Medworth Energy from Waste
Combined Heat and Power Facility

PINS ref. EN010110
Document Reference: Vol 6.3
Revision 1.0
June 2022

Environmental Statement Chapter 3 Description of the Proposed Development Figures

Regulation reference: The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(a)

We inspire with energy.

544000 546000 548000 550000

310000 308000 306000

N

Leverington
Wisbech
Wisbech Park
Victoria House
Nymandale Farm
Foursoore Farm
Wheatmalk Farm
Barcroft Field
Northfield House
Great Bolenes Field
Orchard View
South Bridge Field
Spring Cottage
Balcony Farm
The Railway Line
Bramley House
Boston House
Whitehouse Farm
Bevis Lodge
Primrose Farm
Waldersea Farm
Estover Lodge
Begdale
Redmoor Cottages
The Lawes
The Woodlands
Jew House Cottages
Little Eastfield Barn
The Stables
Willow Tree Farm
Acacia Lee Farm
Vincent House
Black Duck Farm
Poplar Farm
Meredyke House
Stratton
The Bungalow
Rosedale Farm
Paradise Farm
Hollycroft
Station Farm
Walnut Lodge
Oak Lodge
Three Lakes Nurseries
Salamar House
Midarrow Farm
Emneth
Gaultree
Holly End
Meadowfield
Silver Dale
Kirkham House
Plum Cottage
Bird's Barn
Boyces Bridge
Woodlands Cottages

Key

- Order limits
- Cambridgeshire County Council
- Norfolk County Council
- Fenland District
- King's Lynn and West Norfolk District

0 500 1,000 1,500 m

Scale at A3: 1:25,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.1
Local Authority Boundaries

June 2022

wood.

41310-Shr452_v2

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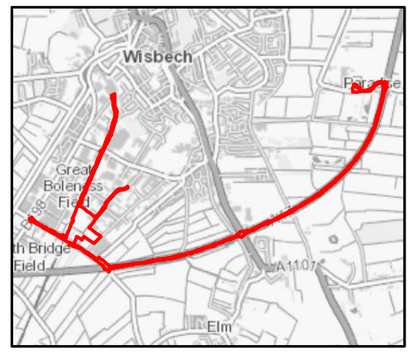
545000 546000 547000 548000

310000 309000 308000 307000

N

Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 200 300 400 500 600 700 m

Scale at A3: 1:12,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.2i
Project Components

June 2022

wood.

41310-Shr453_v2

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545000

546000

309000

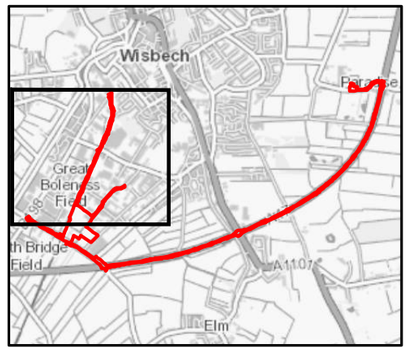
308000

N

Great Boleness Field

Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 200 300 m

Scale at A3: 1:5,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.2ii
Project Components

June 2022

wood.

41310-Shr453_v2

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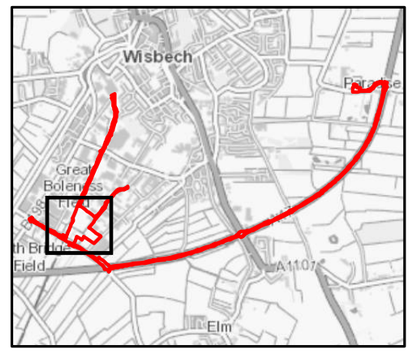
Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 m

Scale at A3: 1:2,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.2iii
Project Components

June 2022

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545000

308000

N

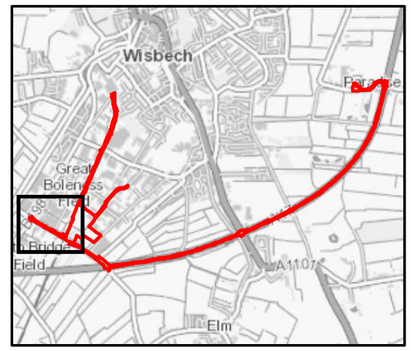
B198

Saffron Way

Cromwell Rd

Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 m

Scale at A3: 1:2,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development
Figure 3.2iv
Project Components

June 2022

wood.

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546000

Boleness Field

Europa Way

Anglia Way

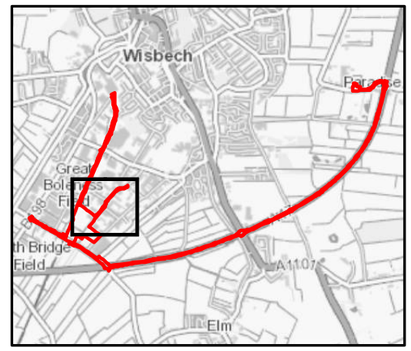
Algores Way

Bridgefoot Rd

308000

Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 m

Scale at A3: 1:2,000

Client

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Environmental Statement
Chapter 3 - Description of the Proposed Development
Figure 3.2v
Project Components

June 2022

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41310-Shr453_v2

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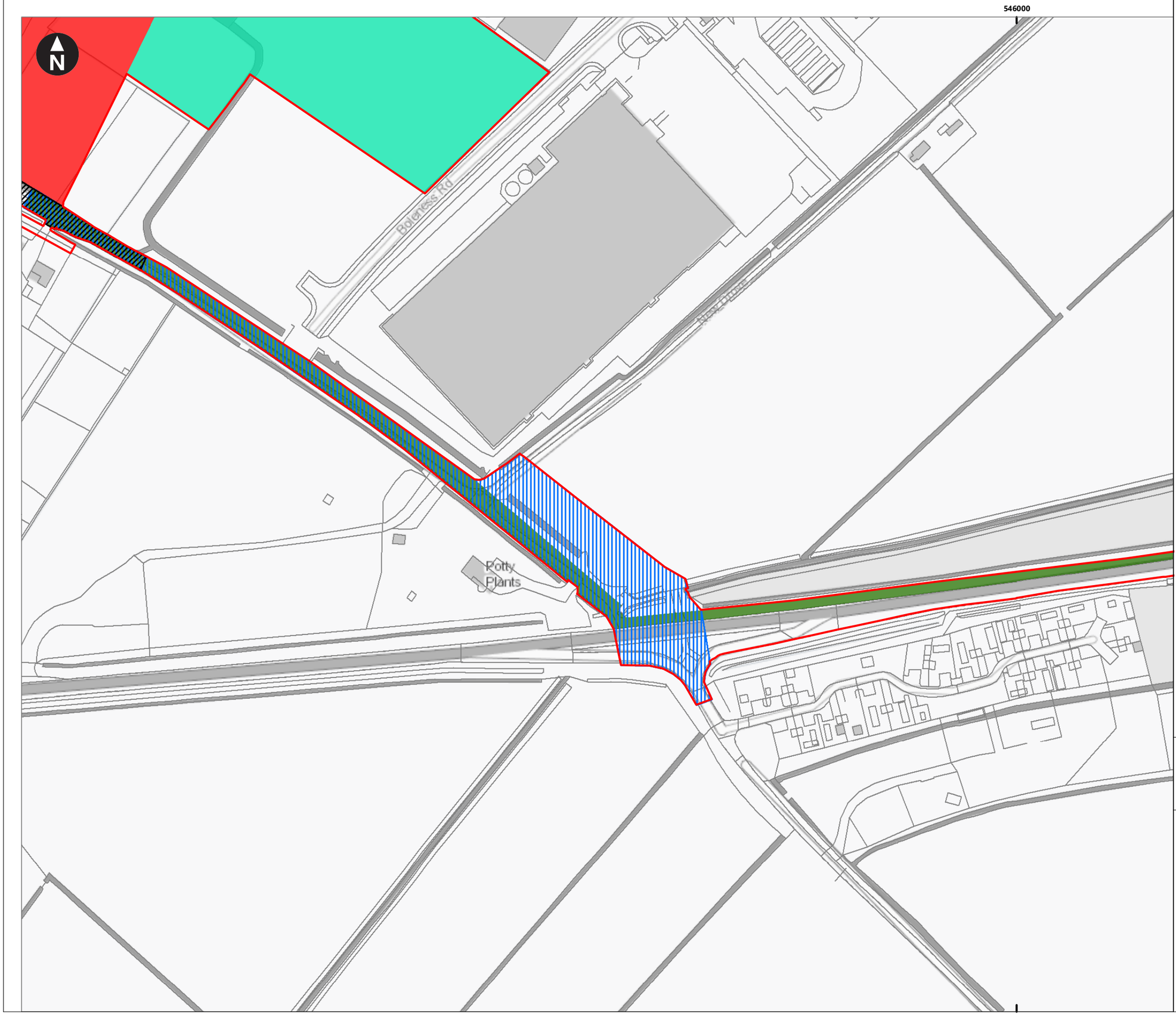
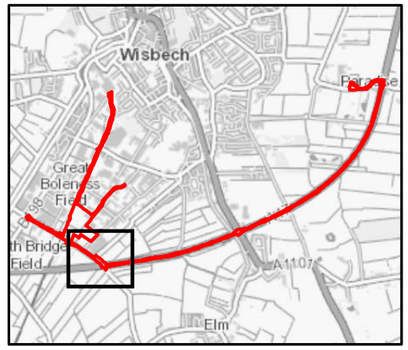


Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 m

Scale at A3: 1:2,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.2vi
Project Components

June 2022

wood.

41310-Shr453_v2

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546000

547000

308000

307000

N

Great Boleness Field

Little Boleness Field

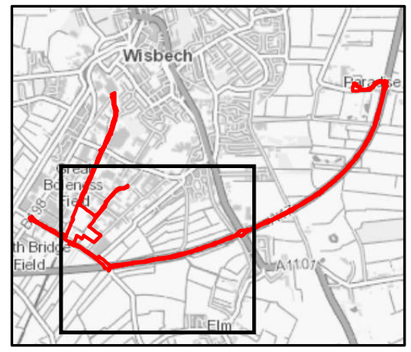
Bottom Road

All Saints Church

Elm

Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 200 300 m

Scale at A3: 1:6,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development
Figure 3.2vii
Project Components

June 2022

wood.

41310-Shr453_v2

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547000

548000

309000

308000

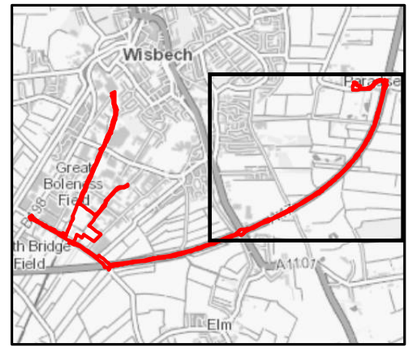
N

Walnut Lodge

Three Lakes Nurseries

Key

- Order limits
- EfW CHP Facility Site
- CHP Connection
- Temporary Construction Compound
- Grid Connection
- Access Improvements
- Water Connections



0 100 200 300 m

Scale at A3: 1:6,000

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development
Figure 3.2viii
Project Components

June 2022

wood.

41310-Shr453_v2

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545300
545400
545500
545600
545700
308000
307900
307800
307700

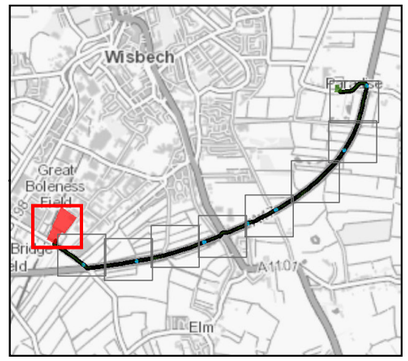
Key

EfW CHP Facility Site

Grid Connection

Underground cable route

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3i
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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545500 545600 545700 545800 545900

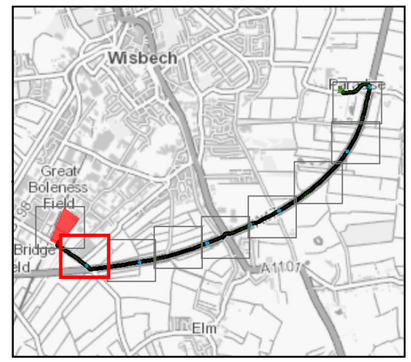
307800 307700 307600 307500

N

Key

- EfW CHP Facility Site
- Grid Connection
- Underground cable route
- Joint Bay location

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3ii
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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546000 546100 546200 546300 546400

307700 307600 307500 307400

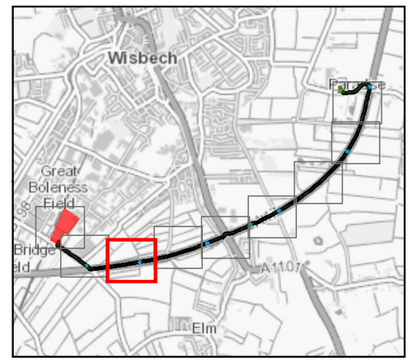
Key

Grid Connection

Underground cable route

Joint Bay location

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3iii
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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546500 546600 546700 546800

307900 307800 307700 307600 307500

N

Key

Grid Connection

Underground cable route

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.

0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3iv
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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546900
547000
547100
547200
547300
308000
307900
307800
307700
307600
N

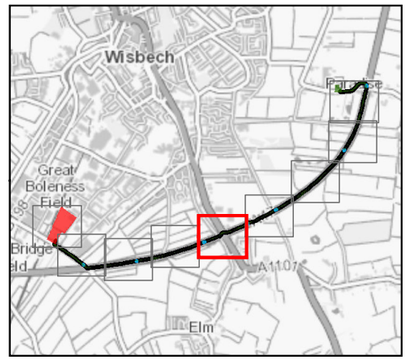
Key

Grid Connection

Underground cable route

Joint Bay location

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3v
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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547400 547500 547600 547700 547800

308200 308100 307900 307800

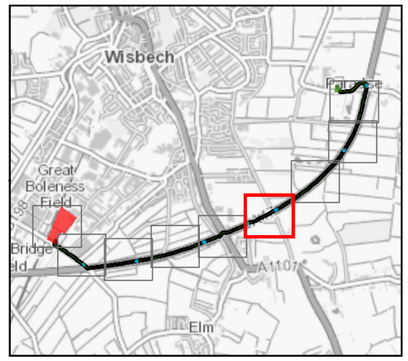
Key

Grid Connection

Underground cable route

Joint Bay location

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3vi
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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547800 547900 548000 548100 548200

308500 308400 308300 308200

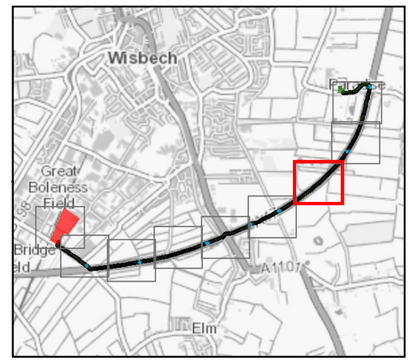
N

Key

Grid Connection

Underground cable route

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3vii
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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548200 548300 548400 548500 548600

308900 308800 308700 308600

N

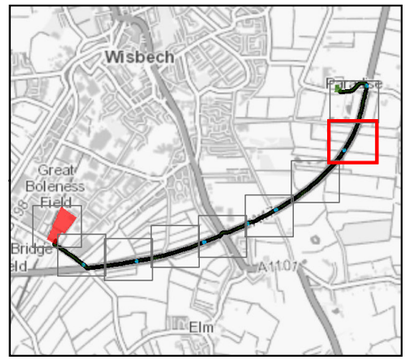
Key

Grid Connection

Underground cable route

Joint Bay location

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.



Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3viii
Underground Cable Connection

June 2022

wood.

41310-Shr454_v2

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548200 548300 548400 548500 548600

309300 309200 309100 309000

N

Key

Grid Connection

Underground cable route

Joint Bay location

Note:
The location of underground cables and joint bays within the Grid Connection is subject to detailed design.

0 10 20 30 40 50 60 70 80 90 m

Scale at A3: 1:1,500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.3ix
Underground Cable Connection

June 2022

wood.

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Legend

- Order limits
- Grid Connection (indicative route)
- Walsoken DNO Substation
- Walsoken Substation Limits of Deviation
- POC — Point of Connection to the Walsoken DNO Substation
- Permeable surface
- Fence and gates
- GRP control room kiosk(s) (if required)
- GRP metering kiosk
- Landscape reinstatement
- Vehicle access (existing)

0 25 50

Scale at A3: 1:500

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.4
Walsoken Substation

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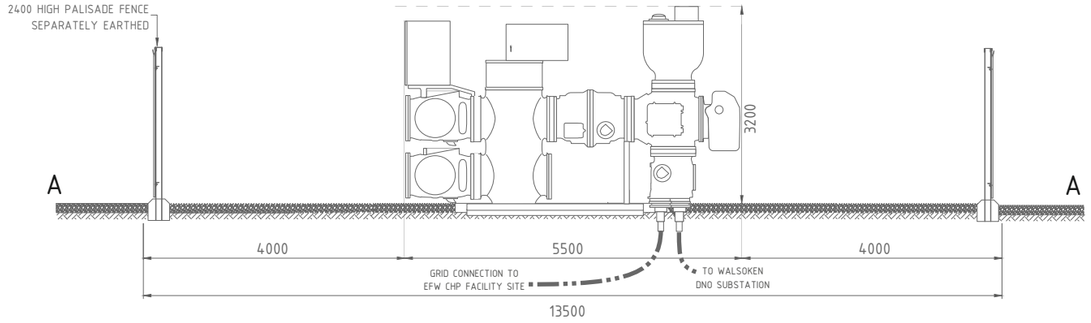
wood.

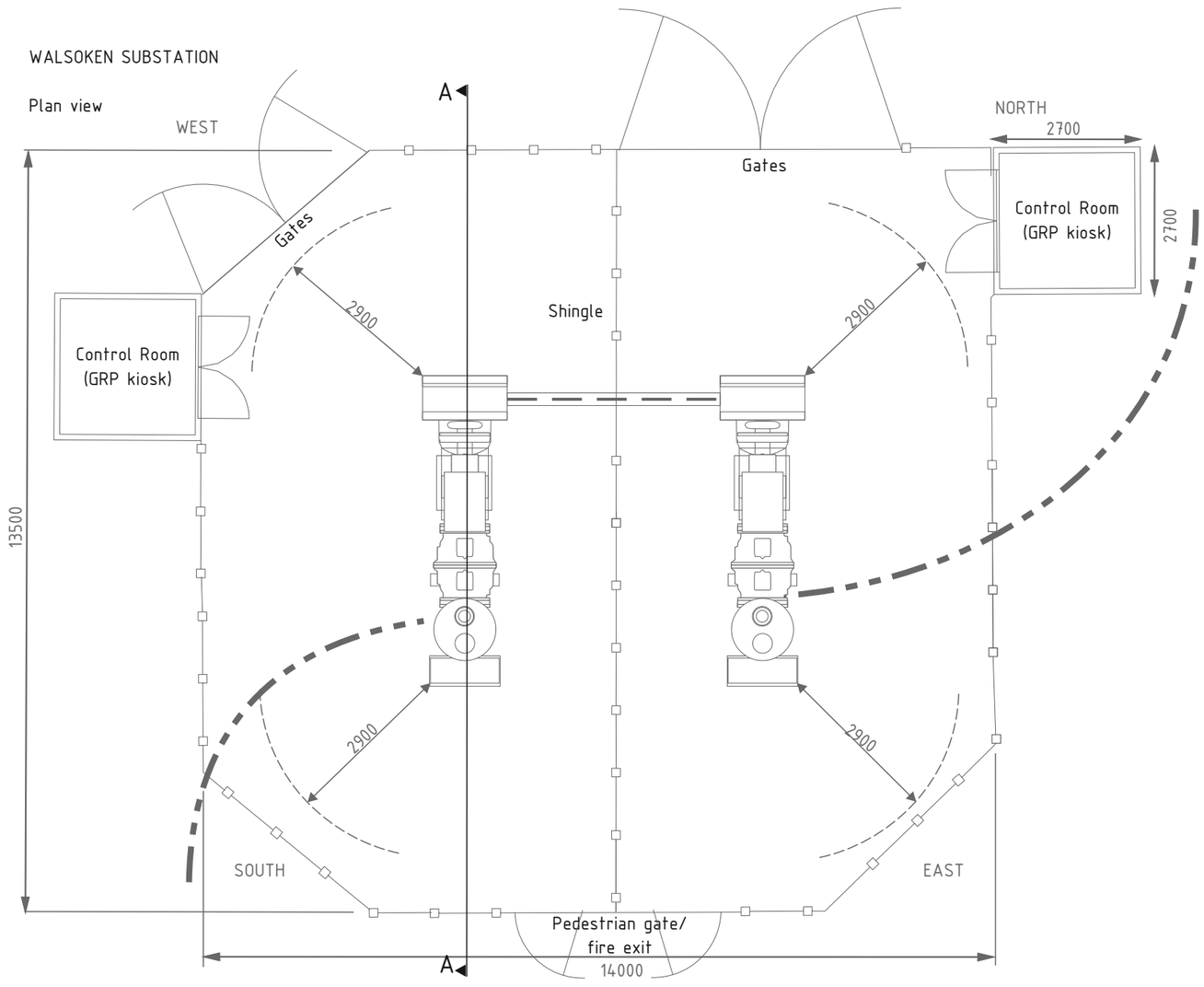
WALSOKEN SUBSTATION

Section A-A



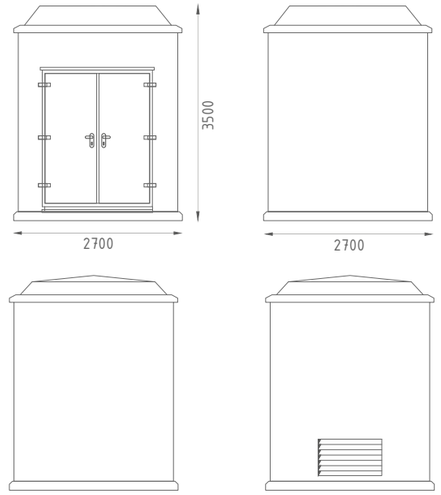
WALSOKEN SUBSTATION

Plan view

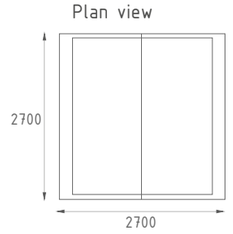


(1) CONTROL ROOM (GRP KIOSK)

Elevations

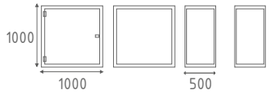


Plan view

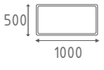


(2) GRP METERING KIOSK

Elevations



Plan view



Notes:
General arrangements. Subject to detailed design.
GRP kiosk(s) colour: Dark Green or suitable alternative

0 5

Scale at A3: 1:100

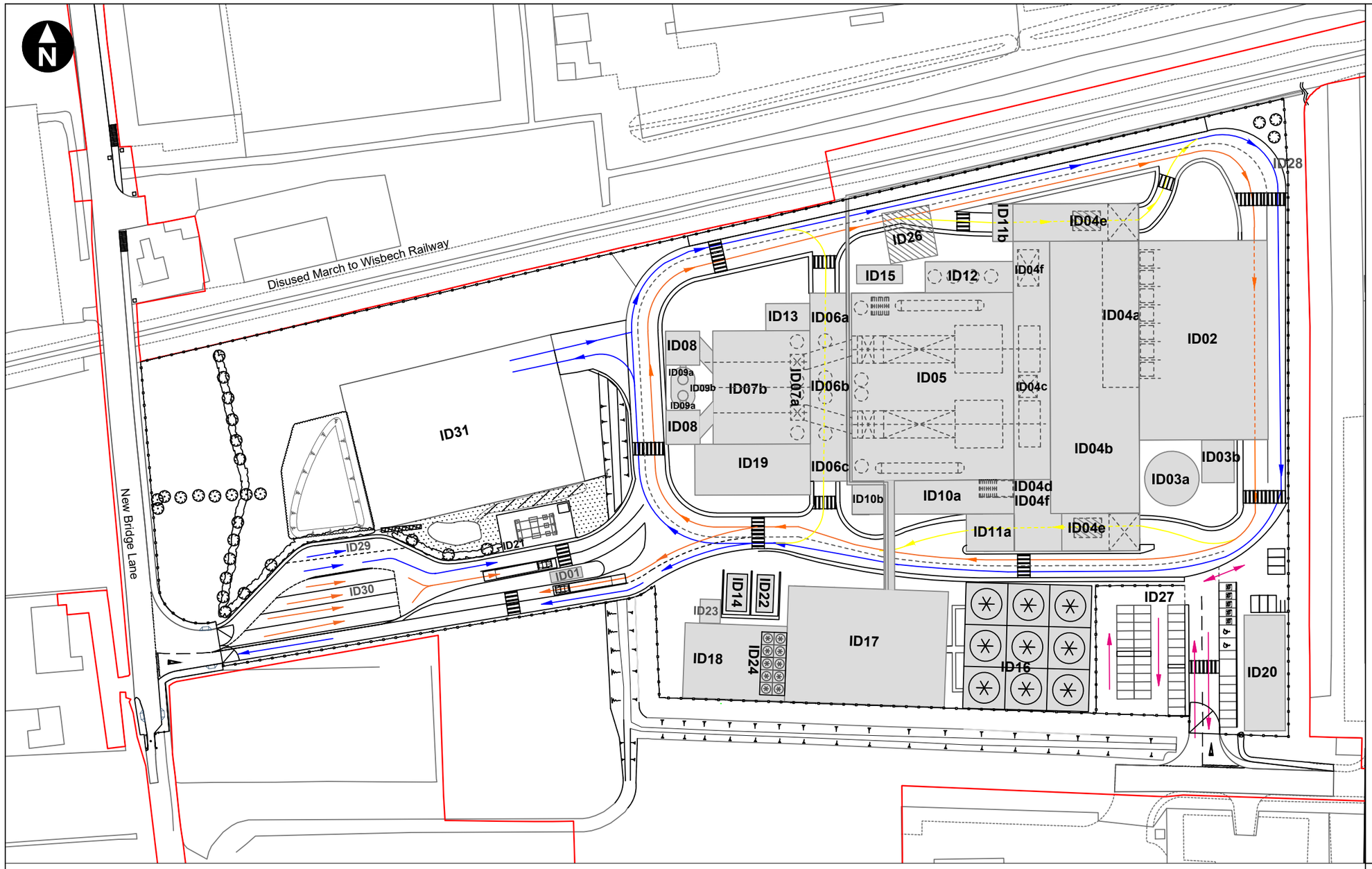
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.5
Walsoken Substation Equipment

June 2022

wood.



Key

ID01: Gatehouse/weighbridge
ID02: Tipping hall
ID03: Fire water tank & fire water pump cabin
(ID03a): Fire water tank
(ID03b): Fire water pump
ID04: Waste bunker building
(ID04a): Tipping bunker
(ID04b): Main waste bunker
(ID04c): Main waste chute
(ID04d): Control room
(ID04e): Crane maintenance area
(ID04f): IBA storage bunker and loading areas
ID05: Boiler house building
ID06: Air pollution control storage area
(ID06a): Loading area
(ID06b): APCr silos
(ID06c): Loading area
ID07: Air pollution control building
(ID07a): APC plant,silos and reactors
(ID07b): Bag filter houses
ID08: Induced draft fans cabins
ID09: Chimneys & continuous emission monitoring systems (CEMS)
(ID09a): 2x chimneys
(ID09b): CEMS platform
ID10: Switch gear building
(ID10a): Switch gear building north
(ID10b): Switch gear building south
ID11: IDB loading enclosures
(ID11a): IDB loading enclosures east
(ID11b): IDB loading enclosures west
ID12: Diesel tanks and urea tanks building
ID13: Compressed air station
ID14: Main transformer
ID15: Emergency diesel generator
ID16: Air cooled condensor
ID17: Turbine hall
ID18: Water treatment plant
ID19: Workshop and stores
ID20: Administration building
ID21: 132kV Switching compound
ID22: Private wire transfer
ID23: Private wire switchgear compound
ID24: Water re-cooling system
ID25: Steam and condensate plates
(ID25a): Steam and condensate pipelines to/from boiler house building
(ID25b): Steam and condensate pipelines to/from CHP connection
ID26: Mobile crane slab
ID27: Parking area
ID28: Fence/gates line
ID29: Layby
ID30: Vehicle queuing area
ID31: Laydown maintenance area

0 m 50 m
Scale 1:1250 @ A3

Notes:

1) For outline surface water drainage details, see figures 4.2 Outline Drainage Strategy for Operational Phase
2) For outline landscaping details, see Figure 3.14 Outline Landscaping and Ecology Strategy Landscaping

Key:

Order limits

Vehicle Circulation:

Vehicle movements over weighbridge

Waste deliveries IBA, APCr and consumables

Vehicle movements bypassing weighbridge

Staff and visitors

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

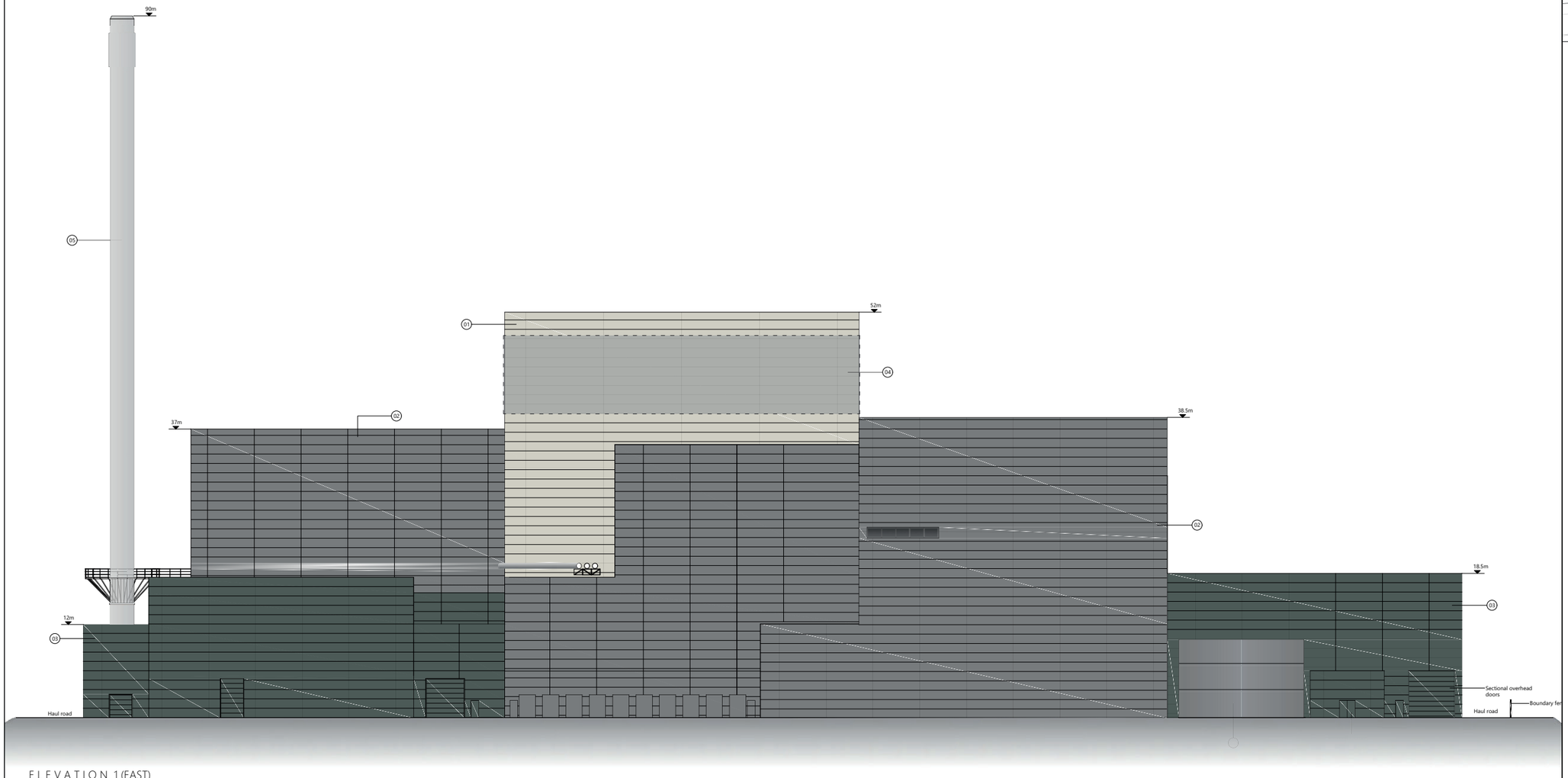
Figure 3.6
EfW CHP facility site layout

May 2022

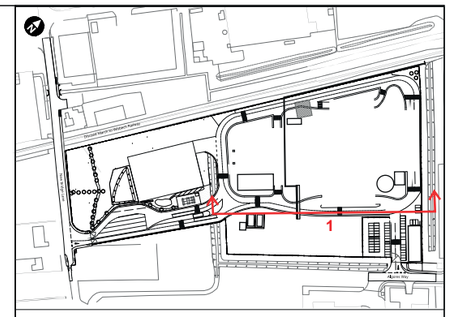
wood.

41310-WOOD-XX-XX-DR-OT-0021_S0_4

H:\SAL-FS12-SHARED\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Data\TransportAccess schemes\MVV site plans\April 2022\41310-WOOD-XX-XX-DR-OT-0021_S0_4.dwg Originator: ADAM.GUY



ELEVATION 1 (EAST)



Key to materials

01 Profiled metal cladding wall system
Colour: Grey White RAL 9002

02 Profiled metal cladding wall system
Colour: Pure GreyRAL 000 55 00

03 Profiled metal wall system
Colour: Merlin Grey RAL 180 40 05

04 Kinetic cladding system - final design and appearance to be confirmed

05 Chimneys
Colour: Grey White RAL 9002

06 Fire water tanks
Colour: Pure Grey RAL 000 55 00

Note: doors match adjacent cladding colour

Final selection of external materials and colours to be agreed with the relevant local planning authority

0 m 30 m

Scale 1:600 @ A3

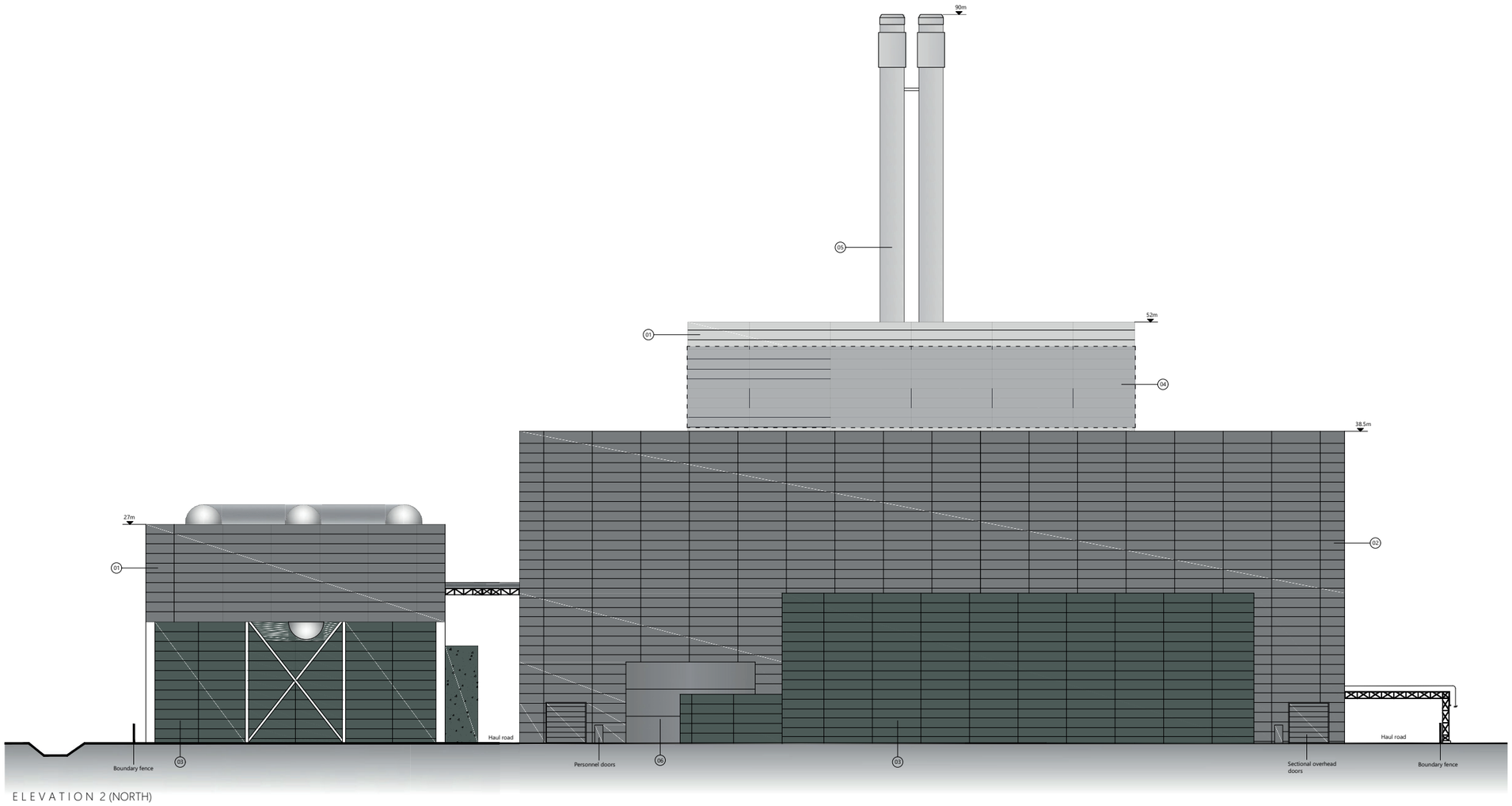
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

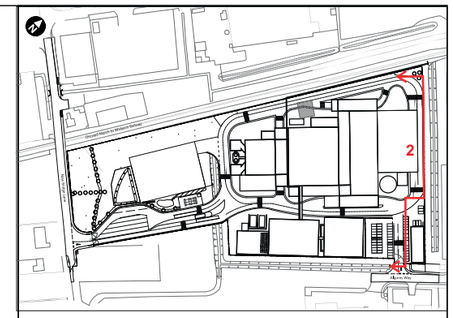
Figure 3.7i
EfW CHP Facility Elevations

June 2022

wood.



ELEVATION 2 (NORTH)



Key to materials

01 Profiled metal cladding wall system
Colour: Grey White RAL 9002

02 Profiled metal cladding wall system
Colour: Pure GreyRAL 000 55 00

03 Profiled metal wall system
Colour: Merlin Grey RAL 180 40 05

04 Kinetic cladding system - final design and appearance to be confirmed

05 Chimneys
Colour: Grey White RAL 9002

06 Fire water tanks
Colour: Pure Grey RAL 000 55 00

Note: doors match adjacent cladding colour

Final selection of external materials and colours to be agreed with the relevant local planning authority

0 m 30 m

Scale 1:600 @ A3

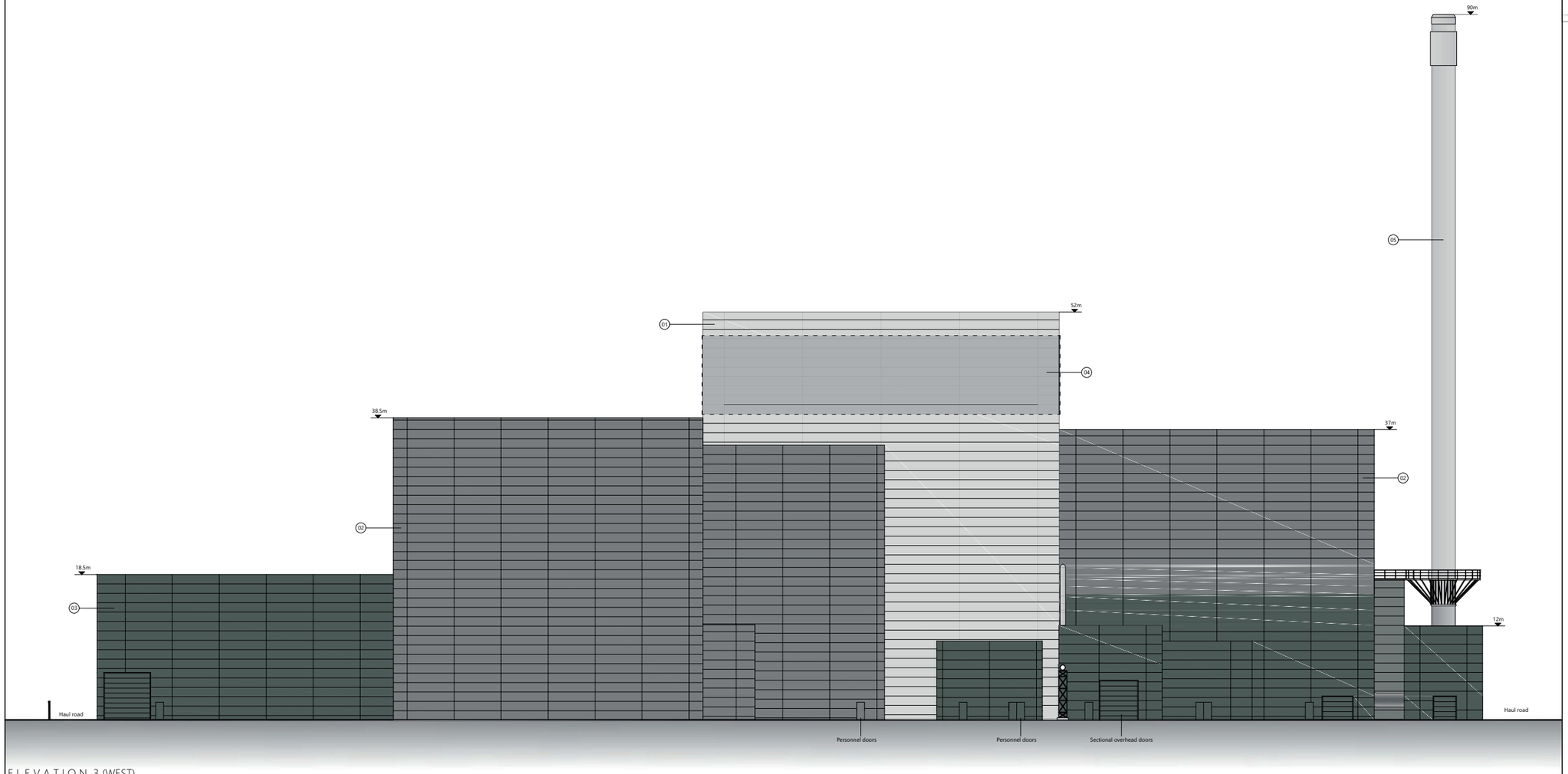
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

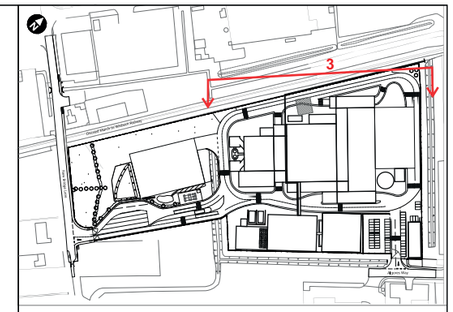
Figure 3.7ii
EfW CHP Facility Elevations

June 2022

wood.



ELEVATION 3 (WEST)



Key to materials

01 Profiled metal cladding wall system
Colour: Grey White RAL 9002

02 Profiled metal cladding wall system
Colour: Pure GreyRAL 000 55 00

03 Profiled metal wall system
Colour: Merlin Grey RAL 180 40 05

04 Kinetic cladding system - final design and appearance to be confirmed

05 Chimneys
Colour: Grey White RAL 9002

Note: doors match adjacent cladding colour

Final selection of external materials and colours to be agreed with the relevant local planning authority

0 m 30 m

Scale 1:600 @ A3

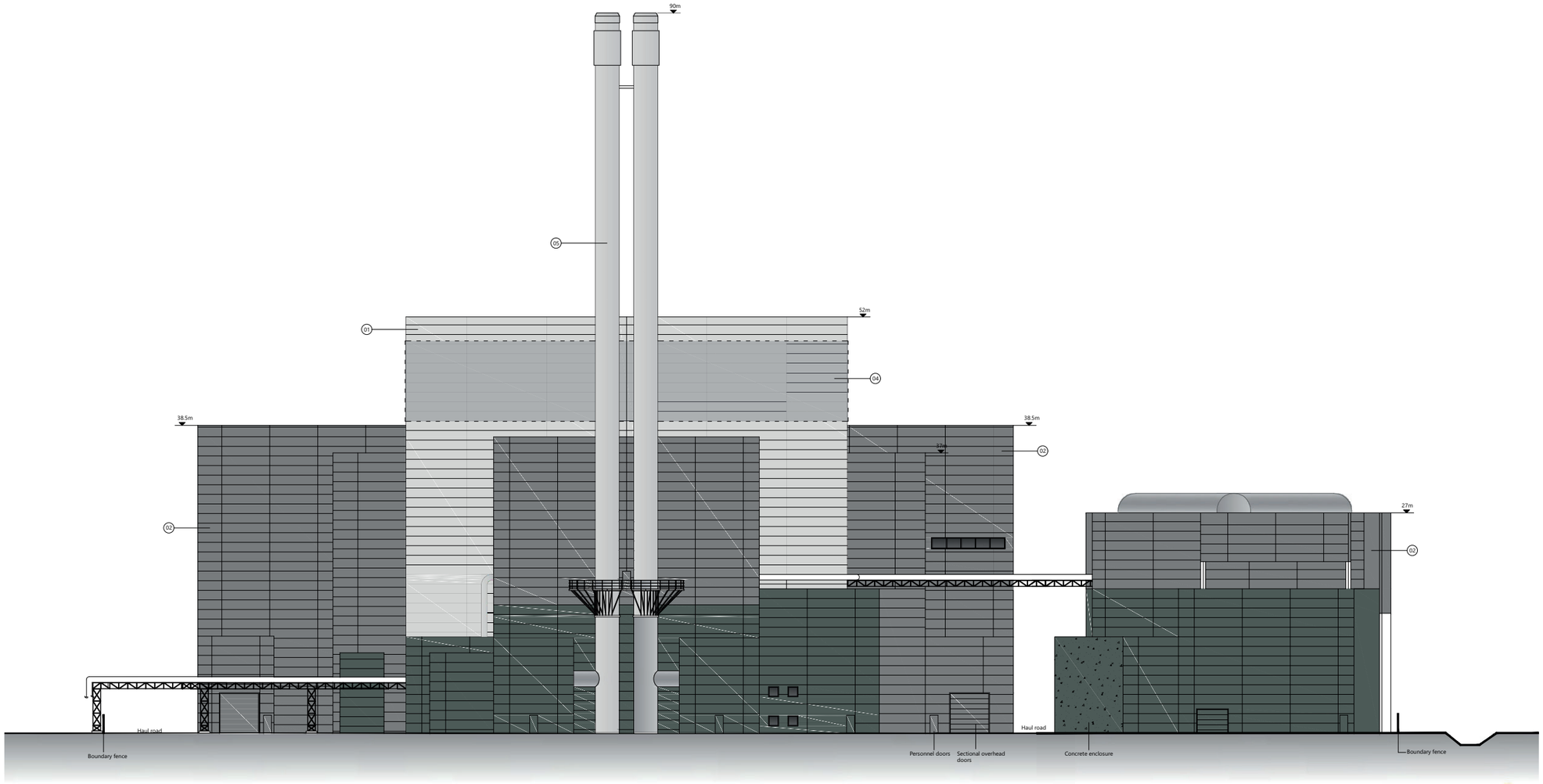
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

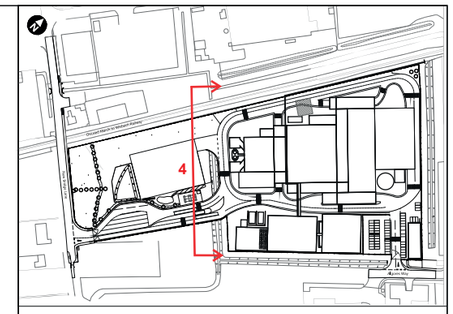
Figure 3.7iii
EfW CHP Facility Elevations

June 2022

wood.



ELEVATION 4 (SOUTH)



Key to materials

01 Profiled metal cladding wall system
Colour: Grey White RAL 9002

02 Profiled metal cladding wall system
Colour: Pure GreyRAL 000 55 00

03 Profiled metal wall system
Colour: Merlin Grey RAL 180 40 05

04 Kinetic cladding system - final design and appearance to be confirmed

05 Chimneys
Colour: Grey White RAL 9002

Note: doors match adjacent cladding colour

Final selection of external materials and colours to be agreed with the relevant local planning authority

0 m 30 m

Scale 1:600 @ A3

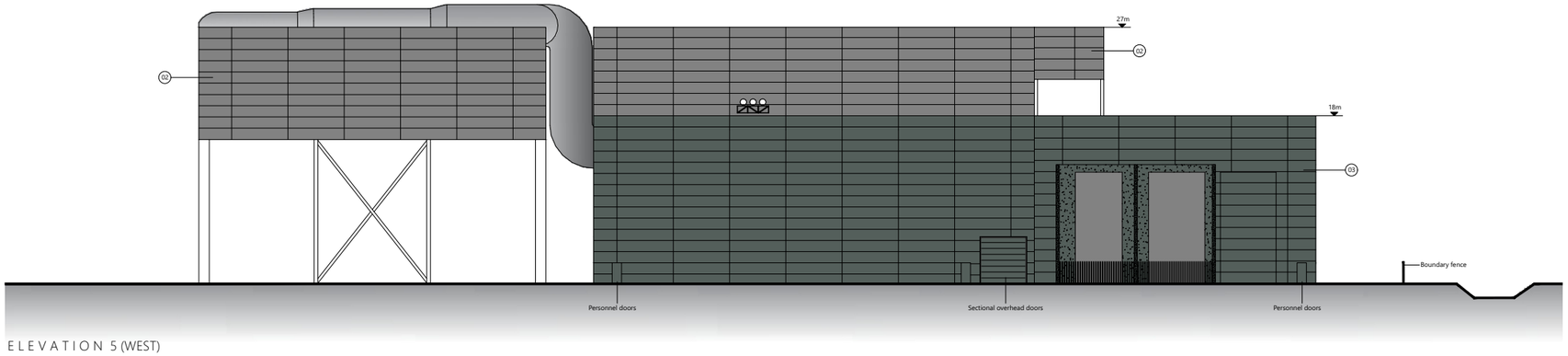
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

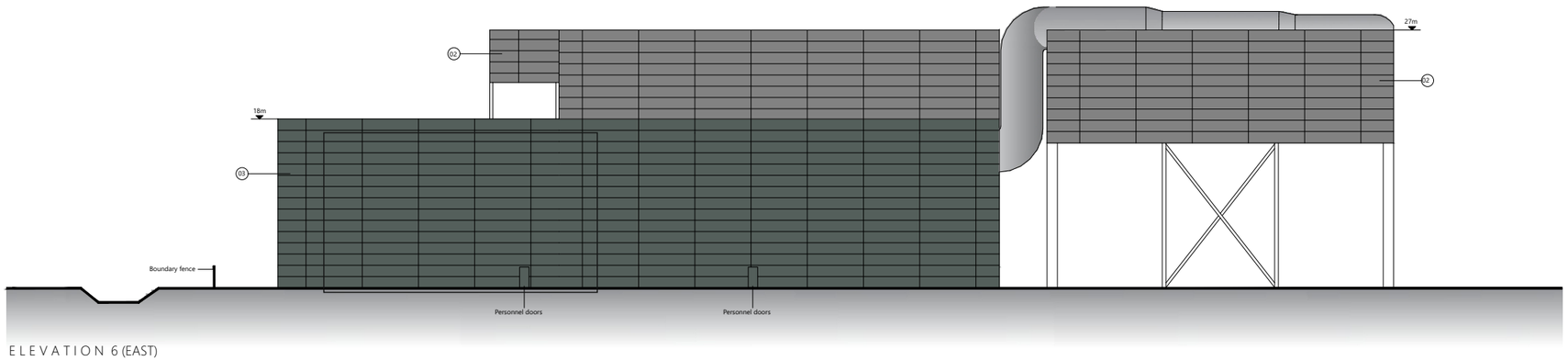
Figure 3.7iv
EfW CHP Facility Elevations

June 2022

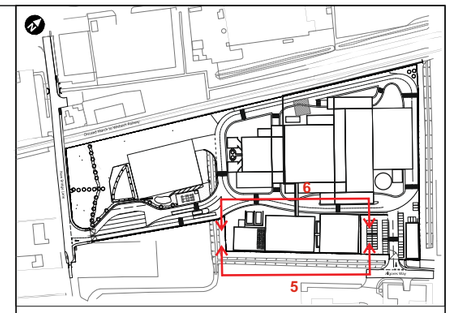
wood.



ELEVATION 5 (WEST)



ELEVATION 6 (EAST)



Key to materials

01 Profiled metal cladding wall system
Colour: Grey White RAL 9002

02 Profiled metal cladding wall system
Colour: Pure GreyRAL 000 55 00

03 Profiled metal wall system
Colour: Merlin Grey RAL 180 40 05

Note: doors match adjacent cladding colour

Final selection of external materials and colours to be agreed with the relevant local planning authority

0 m 30 m

Scale 1:600 @ A3

Client

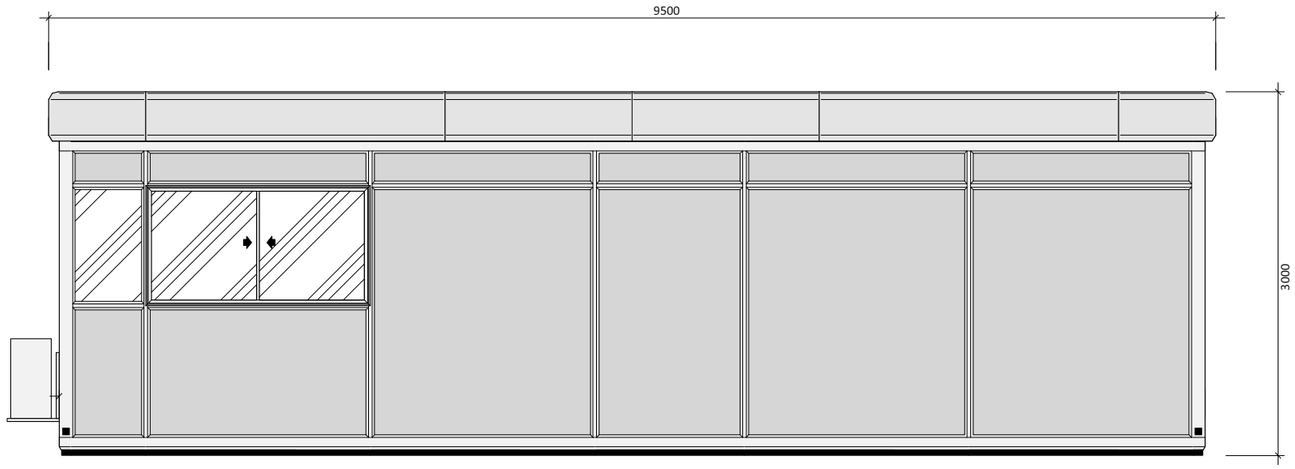
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.8
Air cooled condenser, turbine hall, water treatment plant and ancillary buildings elevations

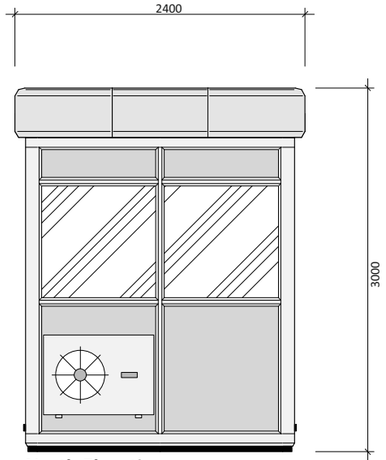
June 2022

wood.

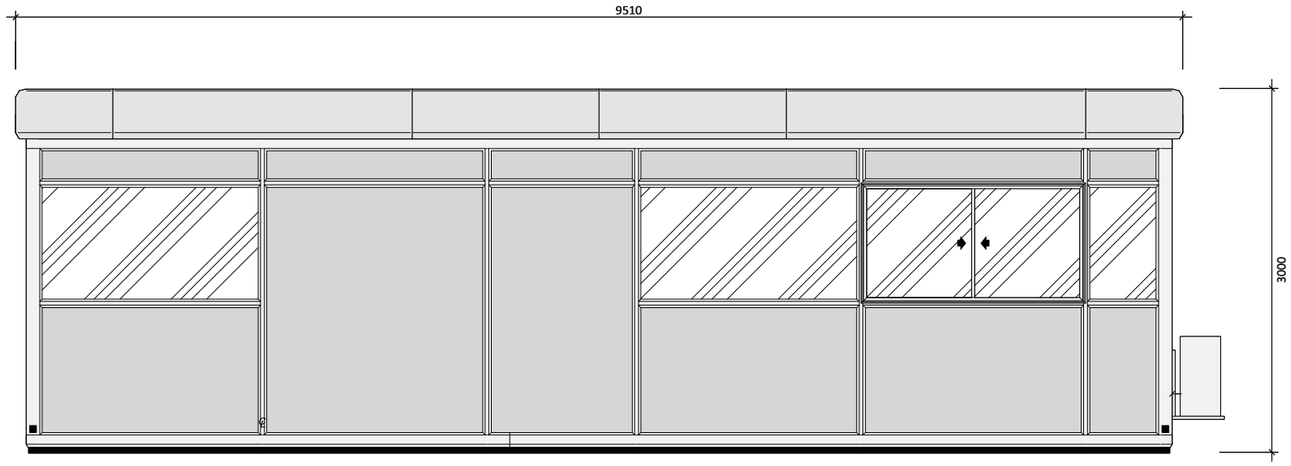
Notes:
General arrangements for EfW CHP Facility gatehouse/ weighbridge. Wall and roof panel colours to be confirmed



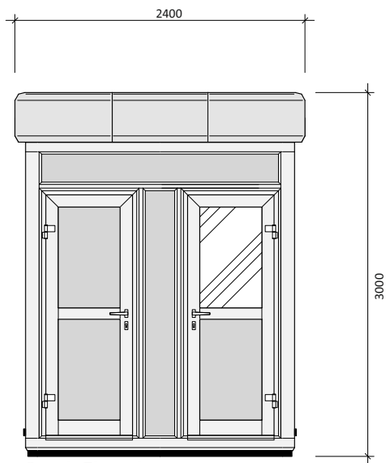
East Elevation



North Elevation

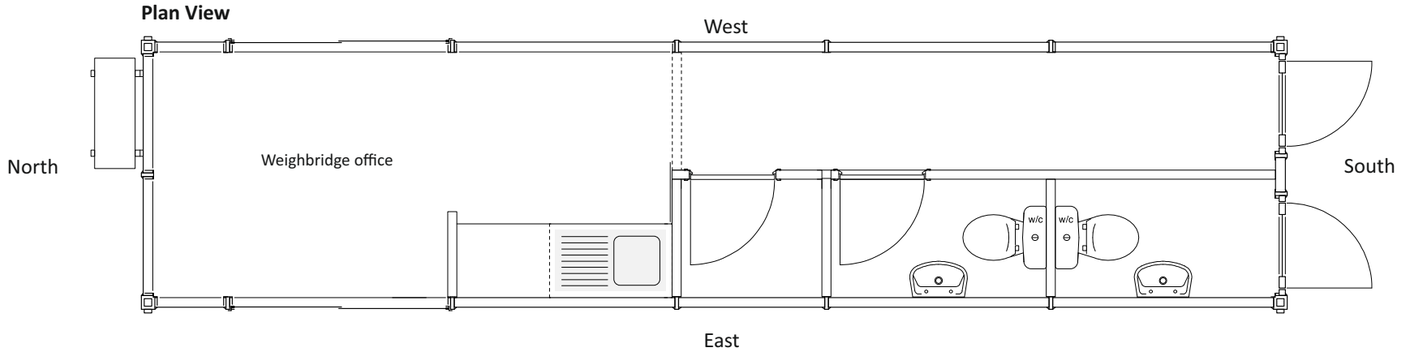


West Elevation



South Elevation

Plan View



0 1 2 3

Scale at A3: 1:50

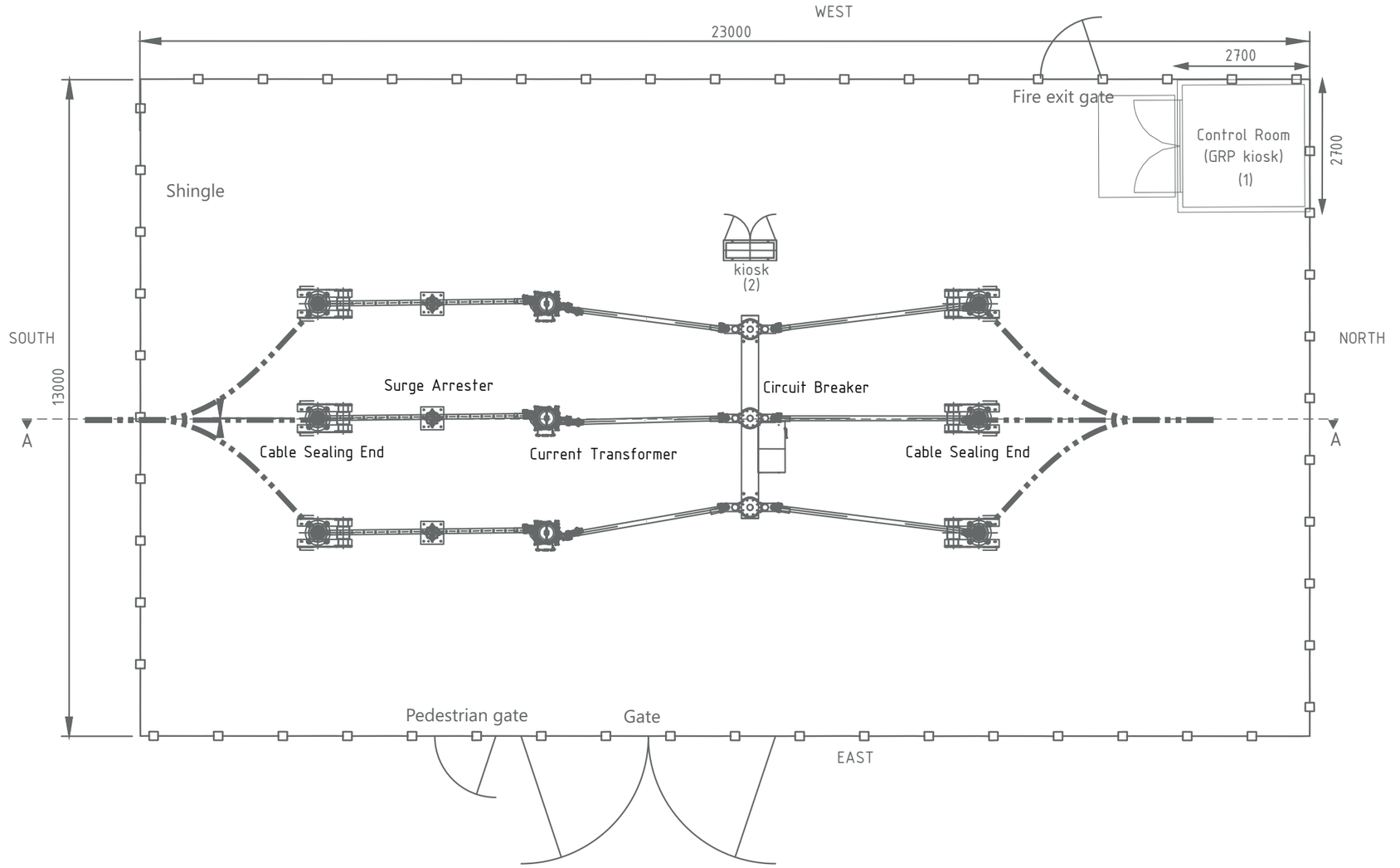
Client

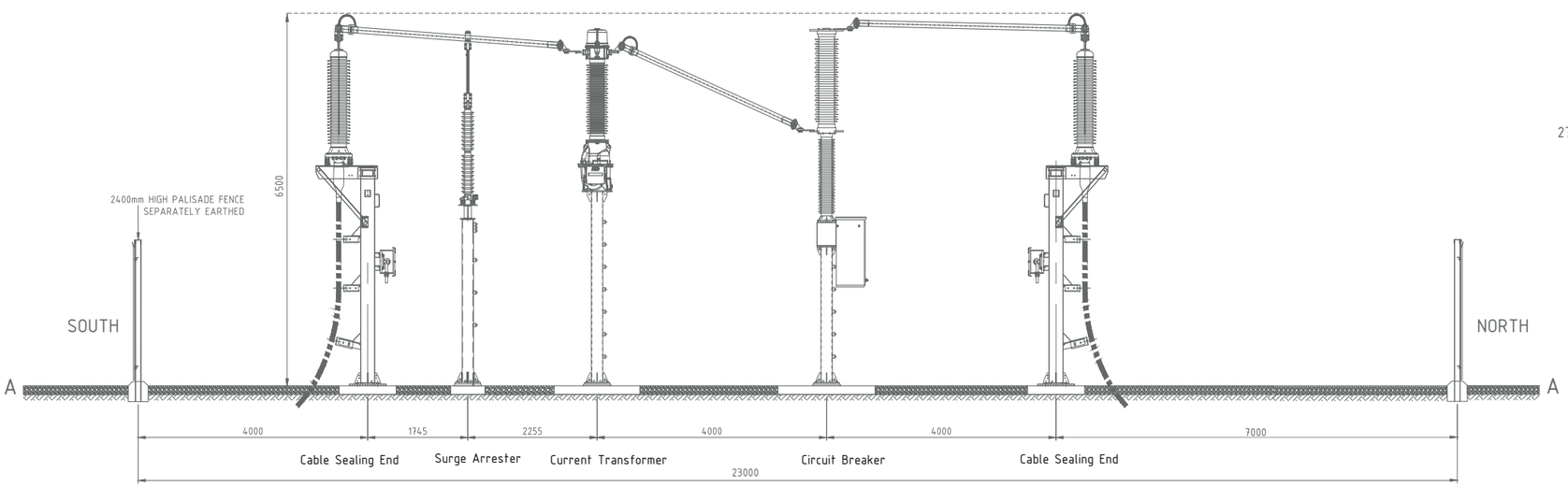
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of Development

Figure 3.9
Gatehouse/weighbridge

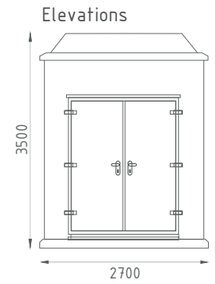
June 2022

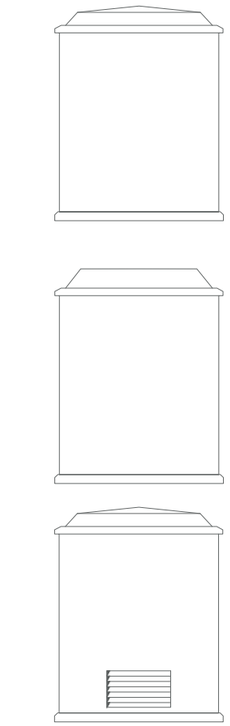
wood.

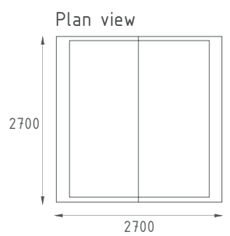




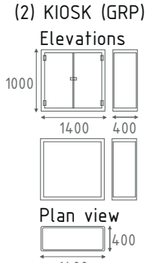
(1) CONTROL ROOM
(GRP KIOSK)
(IF REQUIRED)







(2) KIOSK (GRP)



Notes:
General arrangements. Subject to detailed design.
GRP kiosk colour: Dark Green or suitable alternative

0 5
Scale at A3: 1:100

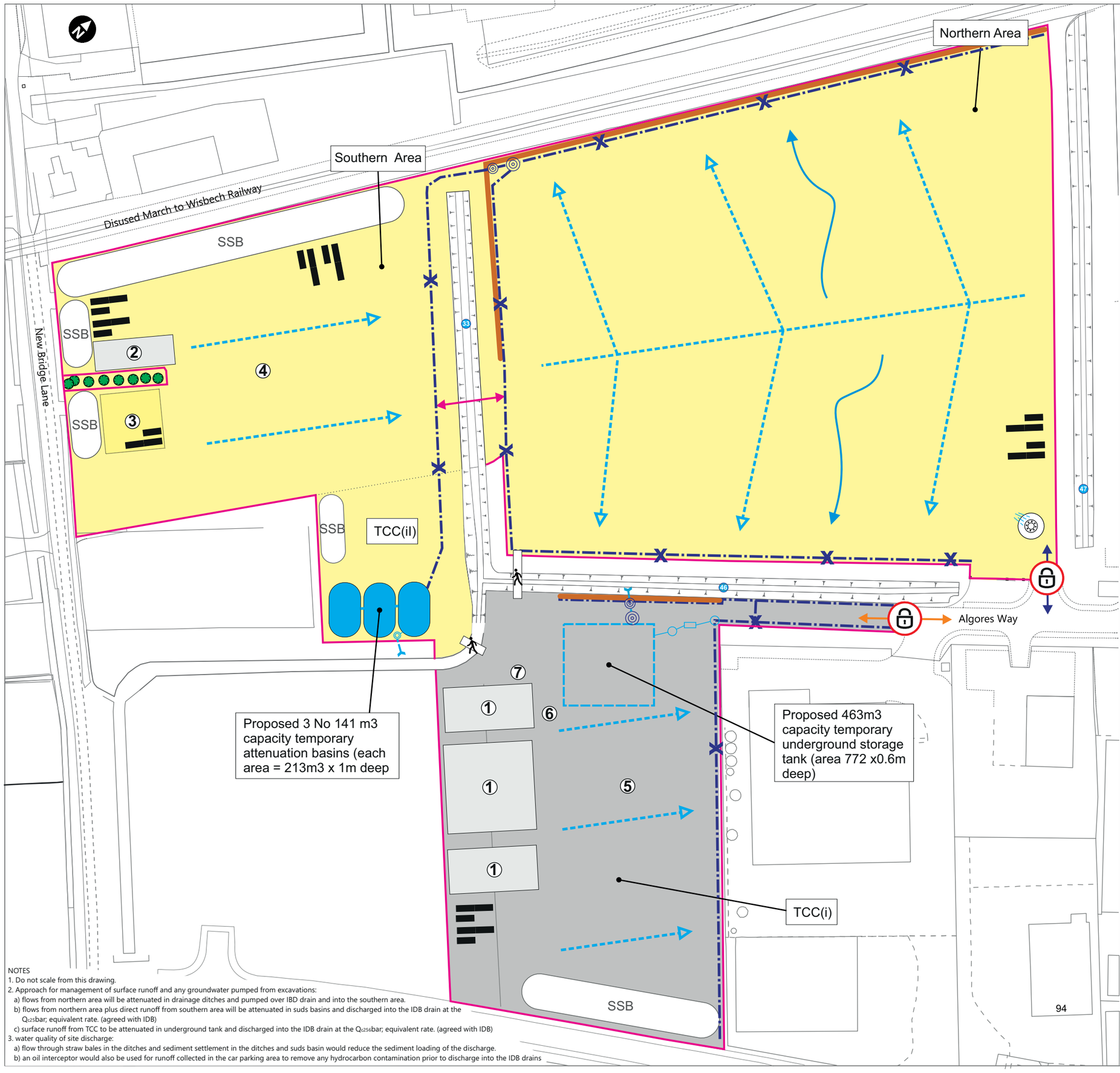
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.10
132kV switching compound

June 2022

wood.



NOTES
1. Do not scale from this drawing.
2. Approach for management of surface runoff and any groundwater pumped from excavations:
   a) flows from northern area will be attenuated in drainage ditches and pumped over IBD drain and into the southern area.
   b) flows from northern area plus direct runoff from southern area will be attenuated in suds basins and discharged into the IDB drain at the Q_{c25}bar; equivalent rate. (agreed with IDB)
   c) surface runoff from TCC to be attenuated in underground tank and discharged into the IDB drain at the Q_{c25}bar; equivalent rate. (agreed with IDB)
3. water quality of site discharge:
   a) flow through straw bales in the ditches and sediment settlement in the ditches and suds basin would reduce the sediment loading of the discharge.
   b) an oil interceptor would also be used for runoff collected in the car parking area to remove any hydrocarbon contamination prior to discharge into the IDB drains

Key

- Construction compound fence
- Controlled access point
- Wheel wash facilities
- HGV entrance/exit
- Staff entrance/exit
- Pedestrian bridge (See Figure 3.23)
- Tarmacadam surface
- Hardstanding and construction area
- SSB — Soil storage bund
- Tree/hedge retained and fenced off
- ISO storage containers (See Figure 3.21)
- ① Single and two storey mess/welfare/civils/office buildings (See Figure 3.22)
- ② Temporary workshop/store building (see Figure 3.20)
- ③ Grid Connection compound
- ④ Storage and pre-assembaly area
- ⑤ Car park
- ⑥ Disabled car parking
- ⑦ Cycle/motorcycle parking
- Surface water drain
- underground tank
- Surface water discharge to drain
- Direction of fall
- Surface water storage pond with interceptor
- Swale
- Straw bale
- Overground pumping of ground water from e.g., bunker excavations and through siltbuster systems
- Pump Chamber to over pump into existing IDB ditch
- Manhole Chamber
- Oil interceptor
- Proposed bund to contain surface water flooding in an event of pumping failure
- Temporary bridge
- 33 — IDB ditch number

Notes:
Proposed general arrangements for the Temporary Construction Compound (TCC). Details are representative; final arrangements subject to appointment of EPC Contractor.

0 25 50 75m 100m

Scale at A3: 1:2,500

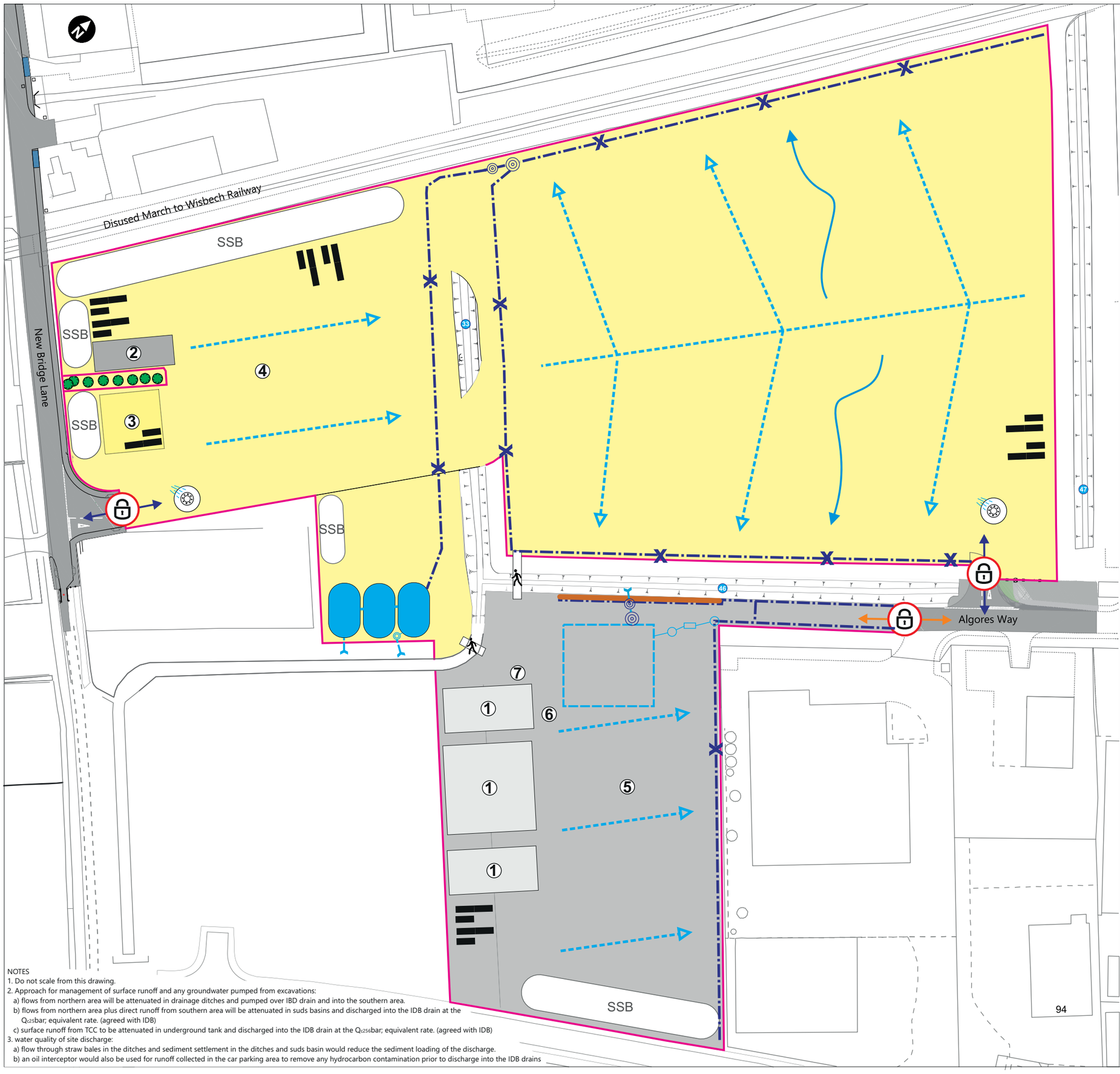
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.11i
EfW CHP Facility Temporary Construction Compound Layout: Phase 1

June 2022

wood.



Key

- Construction compound fence
- Controlled access point
- Wheel wash facilities
- HGV entrance/exit
- Staff entrance/exit
- Pedestrian bridge (See Figure 3.23)
- Tarmacadam surface
- Hardstanding and construction area
- SSB — Soil storage bund
- Tree/hedge retained and fenced off
- ISO storage containers (See Figure 3.21)
- ① Single and two storey mess/welfare/civils/office buildings (See Figure 3.22)
- ② Temporary workshop/store building (see Figure 3.20)
- ③ Grid Connection compound
- ④ Storage and pre-assembaly area
- ⑤ Car park
- ⑥ Disabled car parking
- ⑦ Cycle/motorcycle parking
- Surface water drain
- underground tank
- Surface water discharge to drain
- Direction of fall
- Surface water storage pond with interceptor
- Swale
- Straw bale
- Overground pumping of ground water from e.g., bunker excavations and through siltbuster systems
- Pump Chamber to over pump into existing IDB ditch
- Manhole Chamber
- Oil interceptor
- Proposed bund to contain surface water flooding in an event of pumping failure
- Temporary bridge
- 33 — IDB ditch number

Notes:
Proposed general arrangements for the Temporary Construction Compound (TCC). Details are representative; final arrangements subject to appointment of EPC Contractor.

0 25 50 75m 100m

Scale at A3: 1:2,500

Client

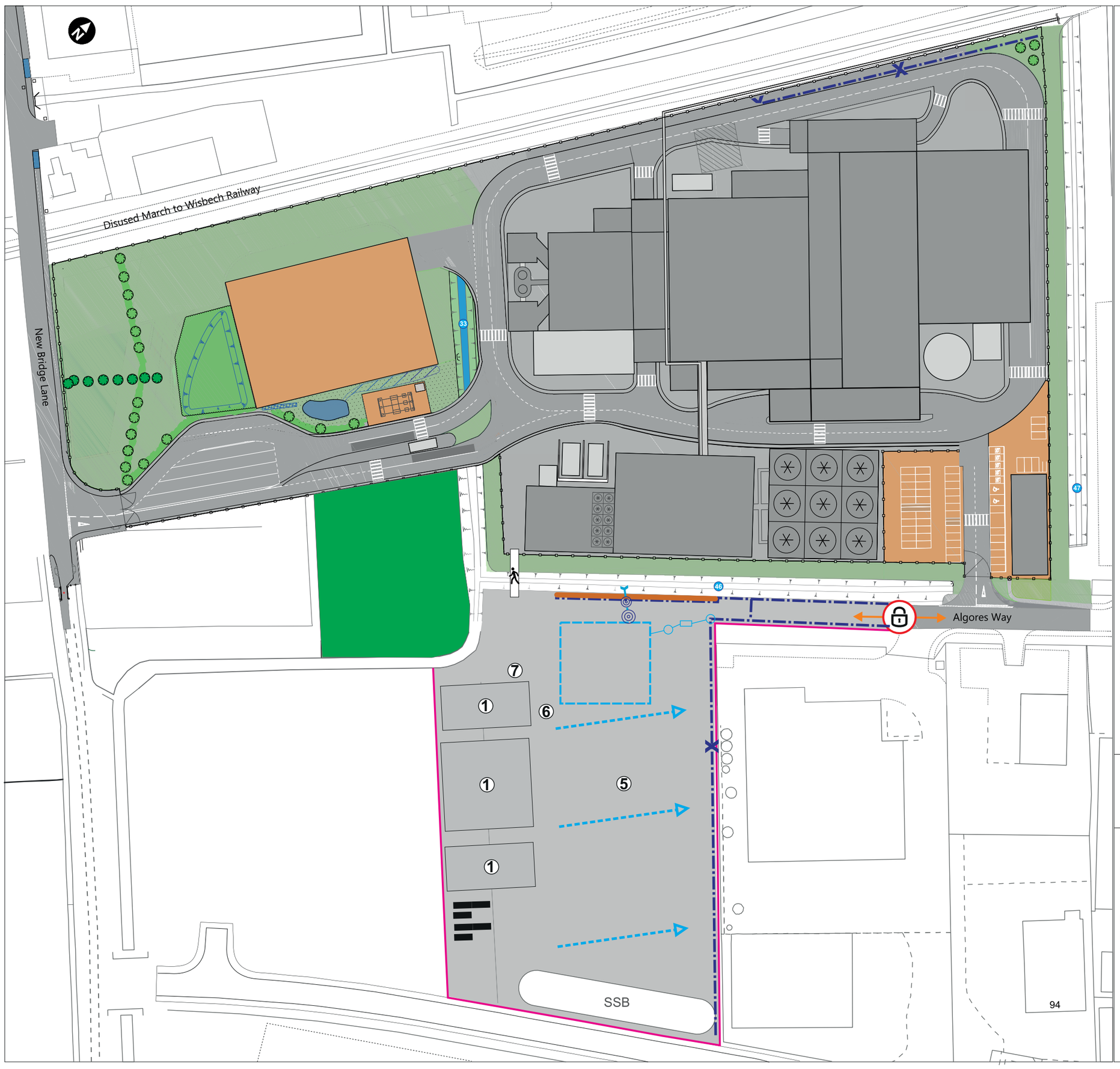
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.11ii
EfW CHP Facility Temporary Construction Compound Layout: Phase 2/3/4

June 2022

wood.

NOTES
1. Do not scale from this drawing.
2. Approach for management of surface runoff and any groundwater pumped from excavations:
   a) flows from northern area will be attenuated in drainage ditches and pumped over IBD drain and into the southern area.
   b) flows from northern area plus direct runoff from southern area will be attenuated in suds basins and discharged into the IDB drain at the Q_{c25}bar; equivalent rate. (agreed with IDB)
   c) surface runoff from TCC to be attenuated in underground tank and discharged into the IDB drain at the Q_{c25}bar; equivalent rate. (agreed with IDB)
3. water quality of site discharge:
   a) flow through straw bales in the ditches and sediment settlement in the ditches and suds basin would reduce the sediment loading of the discharge.
   b) an oil interceptor would also be used for runoff collected in the car parking area to remove any hydrocarbon contamination prior to discharge into the IDB drains



Key

- Construction compound fence
- Controlled access point
- Staff entrance/exit
- Pedestrian bridge (See Figure 3.23)
- Tarmacadam surface
- SSB — Soil storage bund
- ISO storage containers (See Figure 3.21)
- 1 — Single and two storey mess/welfare/civils/office buildings (See Figure 3.22)
- 5 — Car park
- 6 — Disabled car parking
- 7 — Cycle/motorcycle parking
- Surface water drain
- Underground tank
- Surface water discharge to drain
- Direction of fall
- Swale
- Straw bale
- Overground pumping of ground water from e.g., bunker excavations and through siltbuster systems
- Pump Chamber to over pump into existing IDB ditch
- Manhole Chamber
- Oil interceptor
- Proposed bund to contain surface water flooding in an event of pumping failure
- TCC restored land
- 33 — IDB ditch number

Notes:
Proposed general arrangements for the Temporary Construction Compound (TCC). Details are representative; final arrangements subject to appointment of EPC Contractor.

0 25 50 75m 100m

Scale at A3: 1:2,500

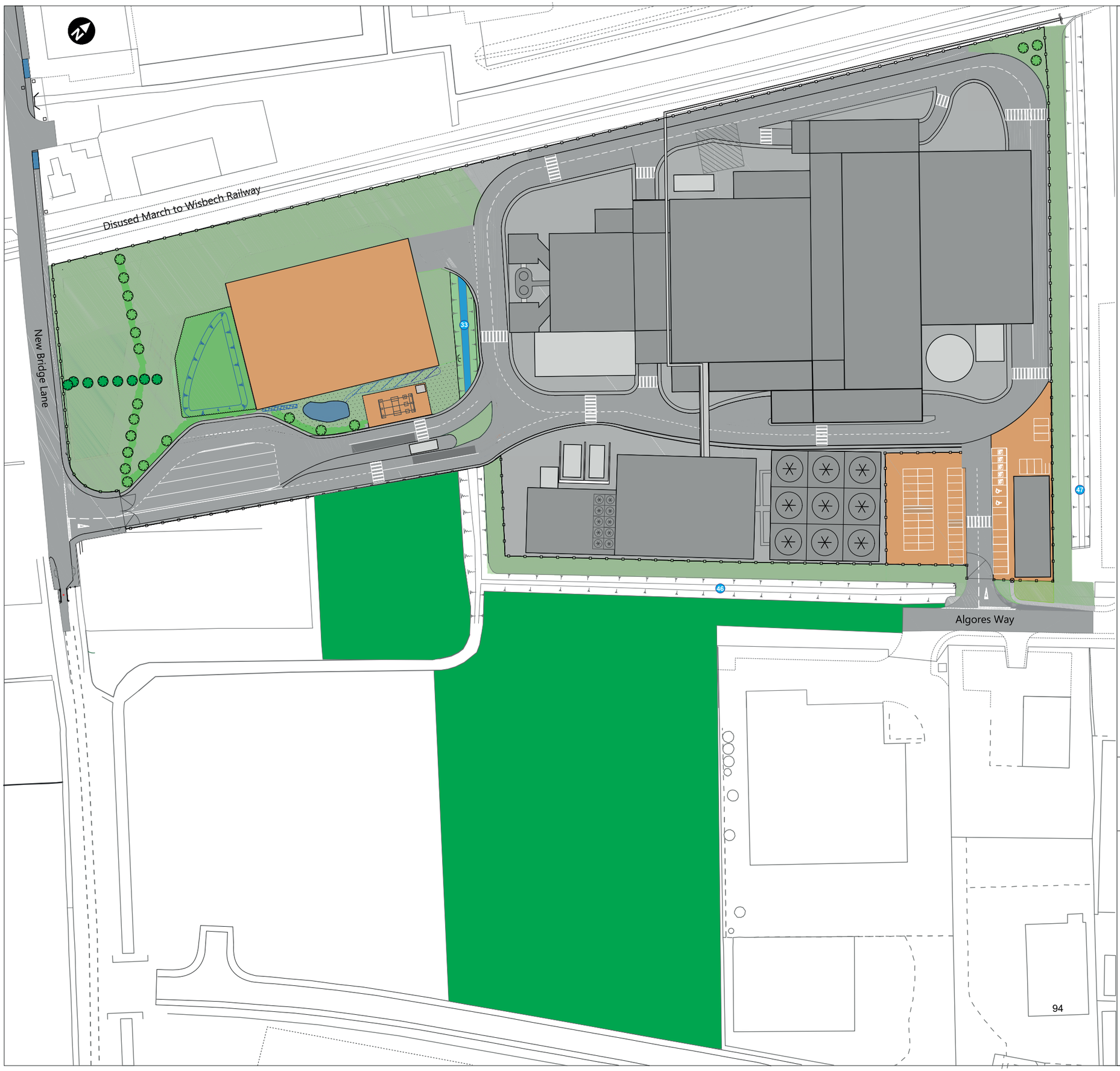
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.11iii
EfW CHP Facility Temporary Construction Compound Layout: Phase 5

June 2022

wood.



Key

TCC restored land

33 IDB ditch number

Notes:
Proposed general arrangements for the Temporary Construction Compound (TCC). Details are representative; final arrangements subject to appointment of EPC Contractor.

0 25 50 75m 100m

Scale at A3: 1:2,500

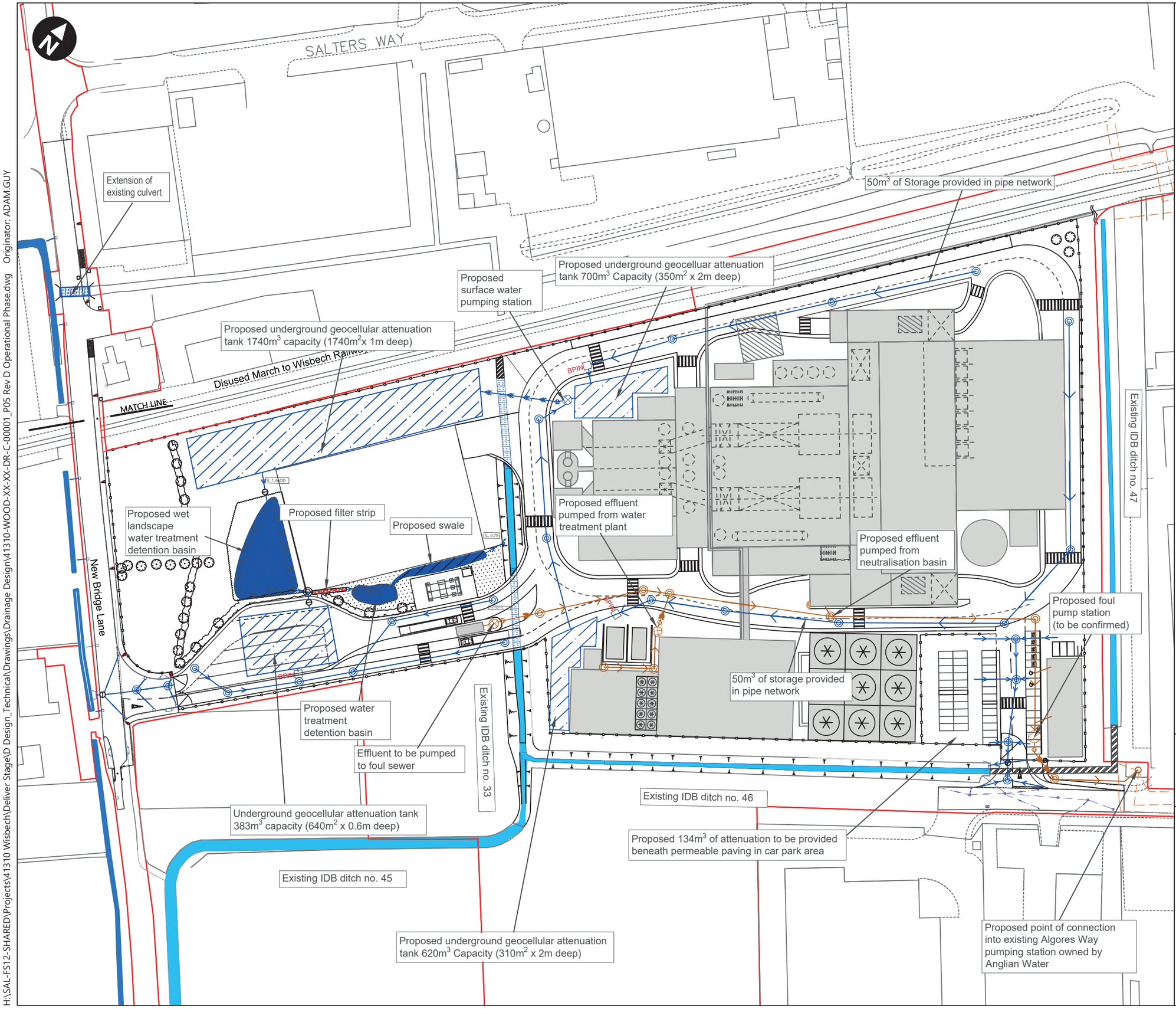
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.11iv
EfW CHP Facility Temporary Construction Compound Layout: Reinstatement

June 2022

wood.



NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. UNLESS NOTED OTHERWISE, LOCATIONS OF ALL SERVICES SHOWN TAKEN FROM PUBLIC RECORDS AND PRIVATE RECORDS BASED ON THE INFORMATION PROVIDED BY ATKINS/SNC.
3. SEWER DETAILS SHOWN ON THIS DRAWING HAVE BEEN PROVIDED IN GOOD FAITH BY EACH STATUTORY UNDERTAKER OR A LICENSED COMPANY ACTING ON THEIR BEHALF, NO LIABILITY OF ANY KIND IS ACCEPTED BY WOOD GROUP, THE OPERATOR, ITS AGENTS OR SERVANTS FOR ANY ERROR OR OMISSION. THE INFORMATION IS GIVEN WITHOUT OBLIGATION, OR WARRANTY AND AS A RESULT THE ACCURACY OF THE INFORMATION SHOWN CANNOT BE GUARANTEED.
4. THE LOCATION OF ALL PUBLIC SEWERS SHOWN ARE TO BE CONFIRMED WITH THE RELEVANT STATUTORY UNDERTAKER PRIOR TO ANY WORKS COMMENCING ON SITE.
5. THE LOCATION OF ALL UNDERGROUND PRIVATE SERVICES ARE TO BE CONFIRMED PRIOR TO ANY WORKS COMMENCING ON SITE.
6. FOR DETAIL OF PROPOSED ACCESS AT ALGORES WAY, PLEASE REFER TO DRAWING 40130-WOOD-XX-XX-DR-C-0002-S01-P01
7. FOR DETAIL OF PROPOSED ACCESS AT NEW BRIDGE LANE, PLEASE REFER TO DRAWINGS 41310-WOOD-XX-XX-DR-C-0003 & 41310-WOOD-XX-XX-DR-C-0004
8. FOR OUTLINE LANDSCAPING DETAILS, SEE FIGURES 4.3 OUTLINE LANDSCAPING AND ECOLOGY STRATEGY LANDSCAPING.

KEY

- Existing Anglian Water foul sewer
- Proposed surface water sewer
- Proposed foul sewer
- Proposed rising main for surface water
- Proposed rising main for foul drainage
- Proposed surface water manhole
- Proposed foul water manhole
- Proposed catchpit chamber
- Proposed penstock chamber
- Proposed gully and outlet
- Existing gully
- Existing manhole
- Assumed existing highway drainage network
- Existing culvert
- Proposed culvert 2.5m X 1.5m deep
- BPIN Proposed class 1 bypass interceptor
- Proposed filter strip
- Proposed underground geocelluar attenuation tank
- Proposed surface water pumping station
- Proposed foul water pumping station
- Order limits
- Proposed outfall headwall

Client

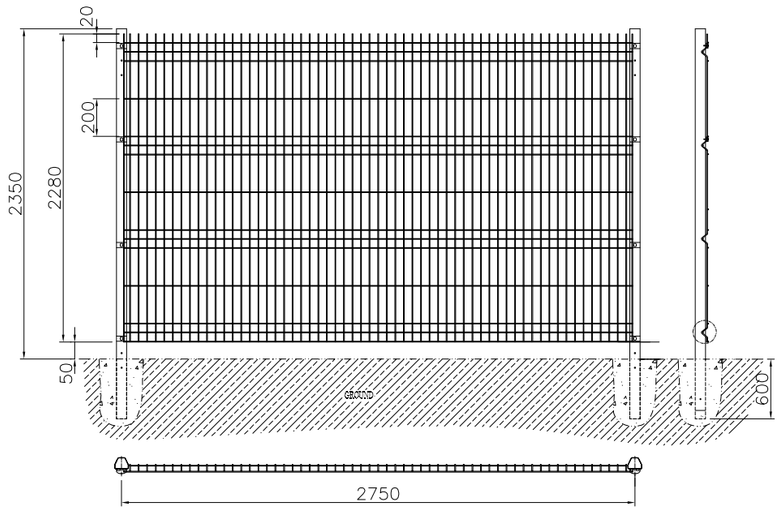
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.12
Outline Drainage Strategy

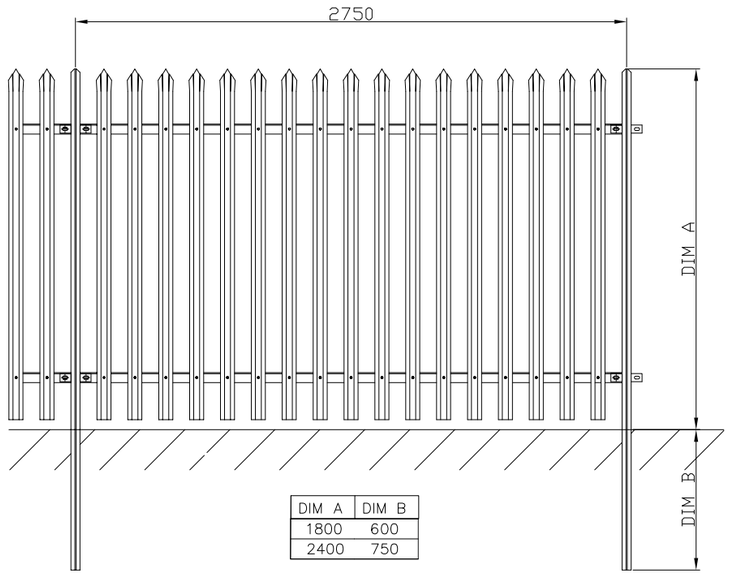
June 2022

wood.

Weld mesh panel

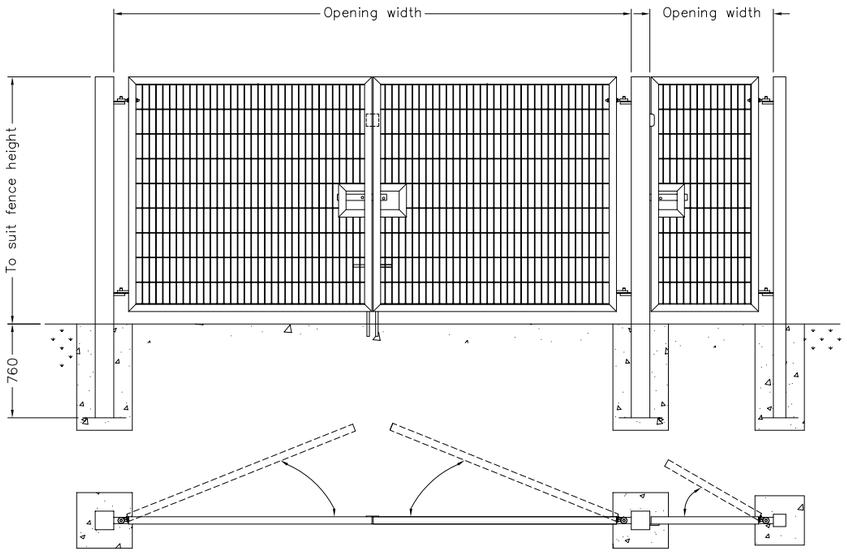


Palisade panel

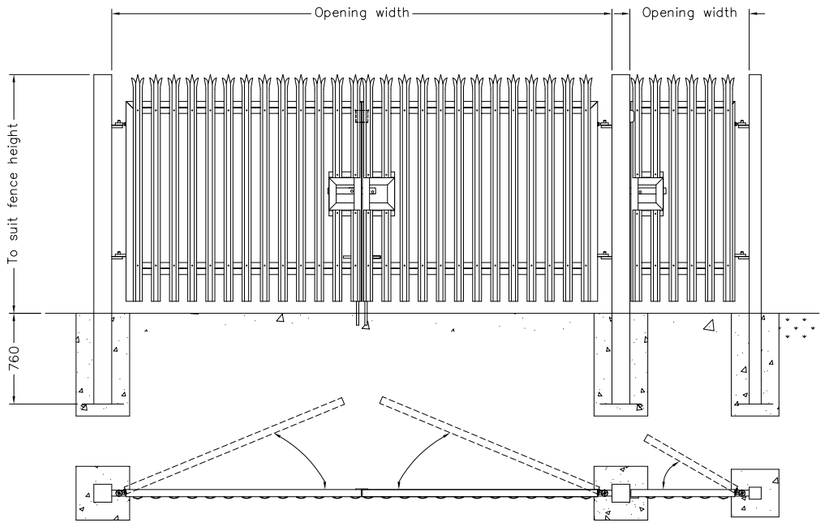


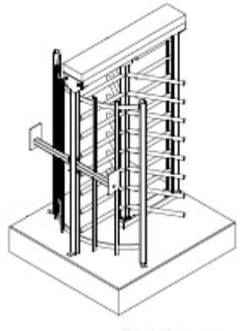
DIM A	DIM B
1800	600
2400	750

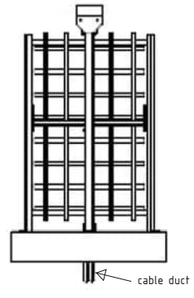
Weld mesh gates

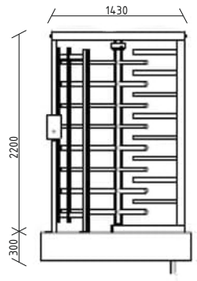


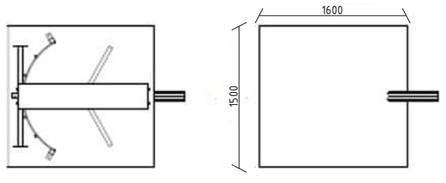
Palisade gates











Notes:
Proposed general arrangements for boundary fence, gates and security turnstyle
Details are representative; final type/dimensions subject to appointment of contractor.
Colour: galvanised steel/green to be confirmed

Scale at A3: NTS

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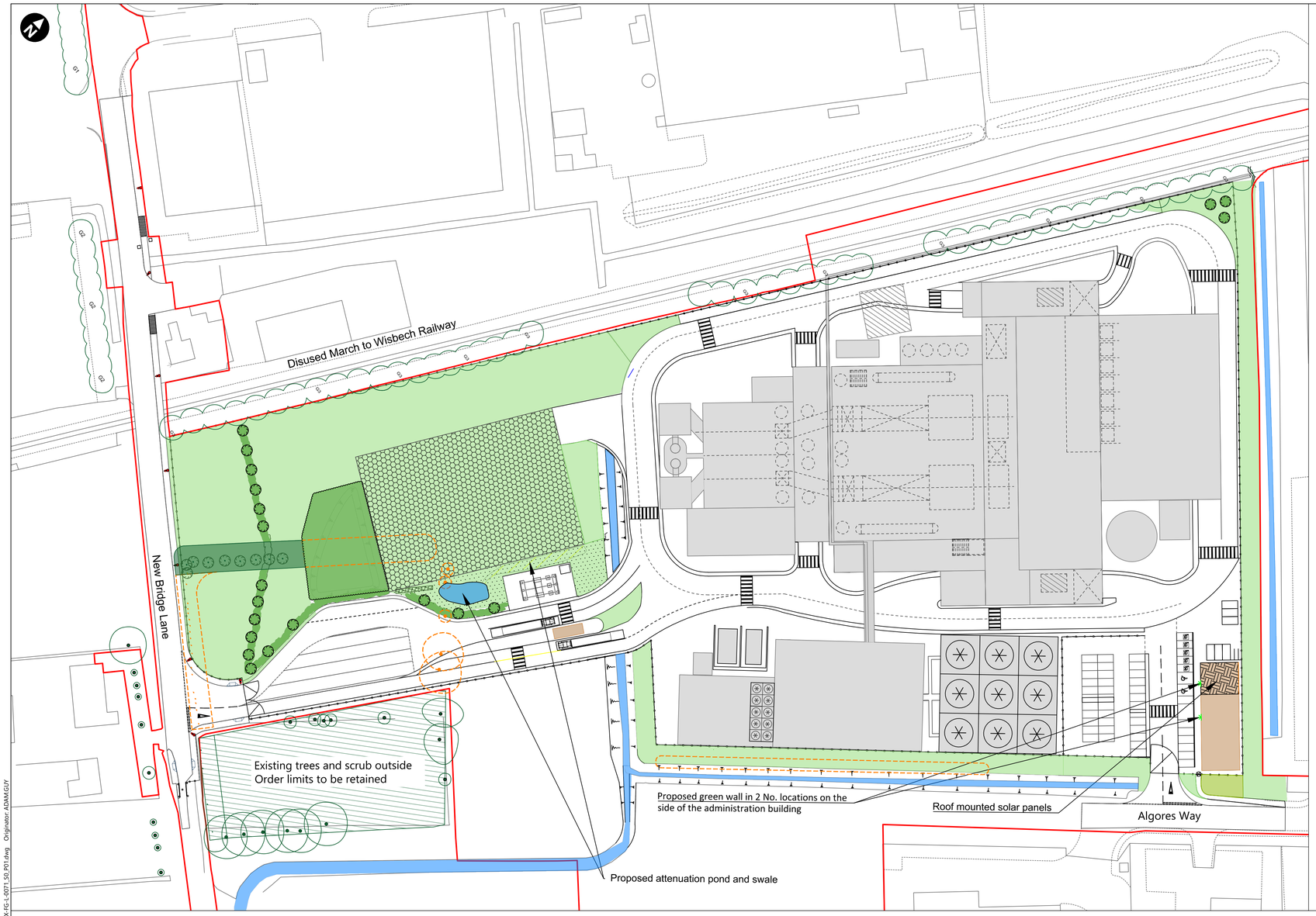
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.13
Boundary gates and fences

June2022



Species rich wet grassland

% Mix	Latin Name
0.2	*Eupatorium cannabinum*
1.6	*Angelica sylvestris*
0.6	*Geum rivale*
1.2	*Galium mollugo*
1.2	*Galium verum*
1.6	*Ranunculus acris*
1.4	*Silene dioica*
0.2	*Scrophularia Nodosa*
0.4	*Lycopus europaeus*
0.6	*Juncus inflexus*
2	*Iris pseudacorus*
0.4	*Lythrum salicaria*
1.4	*Filipendula ulmaria*
0.8	*Lychnis flos-cuculi*
0.8	*Succisa pratensis*
0.8	*Carex pendula*
1.8	*Prunella vulgaris*
0.6	*Achillea ptarmica*
0.6	*Juncus effusus*
0.4	*Hypericum tetrapterum*
0.8	*Lotus uliginosus*
0.6	*Vicia cracca*
3.2	*Agrostis stolonifera*
16	*Cynosurus cristatus*
19.2	*Festuca rubra, commutata*
16	*Festuca rubra, litoralis*
2.4	*Alopecurus pratensis*
4	*Poa trivalis*
6.4	*Poa pratensis*
0.8	*Anthoxanthum odoratum*
8	*Phleum pratense ssp Bertolinii*
4	*Deschampsia cespitosa*

Species rich neutral grassland

% Mix	Latin Name
0.2	*Agrimonia eupatoria*
1.4	*Borago officinalis*
0.8	*Salvia verbenaca*
0.6	*Trifolium pratense*
0.2	*Trifolium repens*
1.6	*Agrostemma githago*
1.2	*Centaurea cyanus*
1	*Leucanthemum vulgare*
0.6	*Digitalis purpurea*
1.2	*Centaurea nigra*
1	*Centaurea scabiosa*
0.2	*Lythrum salicaria*
0.2	*Origanum vulgare*
0.2	*Geranium pratense*
1	*Malva moschata*
1	*Papaver rhoeas*
0.4	*Lychnis flos-cuculi*
1.4	*Onobrychis viciifolia*
1.4	*Knautia arvensis*
0.6	*Scabiosa columbaria*
0.2	*Dipsacus fullonum*
0.4	*Lotus corniculatus*
0.4	*Anthyllis vulneraria*
0.4	*Echium vulgare*
1	*Achillea millefolium*
1.4	*Rhinanthus minorl*
4	*Agrostis castellana*
20	*Cynosurus cristatus*
16	*Festuca ovina*
24	*Festuca rubra, litoralis*
6.4	*Poa pratensis*
9.6	*Phleum pratense ssp Bertolinii*

Species rich biodiverse roof seeding

% Mix	Latin Name
0.5	*Achillea millefolium*
6.5	*Anthyllis vulneraria*
12.5	*Centaurea nigra*
5	*Cruciata laevipes*
0.5	*Filipendula vulgaris*
5	*Galium album - (Galium mollugo)*
2.5	*Galium verum*
0.5	*Hippocrepis comosa*
5	*Leucanthemum vulgare*
1	*Lotus corniculatus*
15	*Malva moschata*
0.5	*Origanum vulgare*
5	*Plantago lanceolata*
5	*Plantago media*
10	*Poterium sanguisorba - (Sanguisorba minor)*
0.5	*Primula veris*
10	*Prunella vulgaris*
5	*Rhinanthus minor*
5	*Rumex acetosella*
5	*Silene vulgaris*

Key

- Order limits
- Trees/hedgerow to be removed
- Existing woodland/scrub to be retained within Order limits
- Existing scrub and trees outside Order limits to be retained
- Proposed native wet woodland
- Proposed native hedgerow with native trees
- Proposed native shrub
- Proposed species rich neutral grassland
- Proposed species rich wet grassland
- Proposed brown roof
- Permeable cellular confinement system on laydown area with neutral species rich grassland
- Proposed security fenceline
- Existing IDB ditches maintained by others

Native Wet Woodland Species Mix - (Planted at 2m centres)

Species	Height	Specification	Mix
Alnus glutinosa	60-80cm	1+1: Transplant	20%
Betula pubescens	60-80cm	1+1: Transplant	15%
Cornus sanguinea	60-80cm	1+1: Transplant	15%
Crataegus monogyna	60-80cm	1+1: Transplant	15%
Prunus spinosa	60-80cm	Branched, 2 breaks	5%
Rhamnus frangula	60-80cm	1+1: Transplant	10%
Salix caprea	60-80cm	1+1: Transplant	5%
Salix cinerea	60-80cm	1+1: Transplant	5%
Viburnum opulus	60-80cm	1+1: Transplant	10%

Hedgerow trees

Species	Specification	Girth	Height
Acer campestre "Streetwise"	Heavy standard	12-14cm	350-400cm
Sorbus aucuparia 'Cardinal Royal'	Heavy standard	12-14cm	350-400cm
Prunus padus 'Albertii'	Heavy standard	12-14cm	350-400cm

Native Hedgerow Species Mix - (Double staggered row at 6 plants per m)

Species	Height	Specification	Mix
Cornus sanguinea	60-80cm	1+1: Transplant	5%
Corylus avellana	60-80cm	1+1: Transplant	10%
Crataegus monogyna	60-80cm	1+1: Transplant	30%
Euonymus europaeus	60-80cm	1+1: Transplant	10%
Ilex aquifolium	60-80cm	1+1: Transplant	10%
Ligustrum vulgare	60-80cm	1+1: Transplant	5%
Lonicera periclylmenum	60-80cm	1+1: Transplant	5%
Prunus spinosa	60-80cm	Branched, 2 breaks	10%
Rosa canina	60-80cm	1+1: Transplant	5%
Rhamnus frangula	60-80cm	1+1: Transplant	5%
Viburnum opulus	60-80cm	1+1: Transplant	5%

Native Shrub Mix - (Shrubs at 1m centres)

Species	Height	Mix
Corylus avellana	45-60cm	35%
Euonymus europaeus	45-60cm	10%
Ilex aquifolium	30-45cm	20%
Sambucus nigra	40-60cm	5%
Taxus baccatta	40-60cm	10%
Viburnum opulus	45-60cm	20%

Green Wall - climbing plants (3 No. single species group planted per panel)

Species	Height	Container	No.
Jasminum officinale	150-200cm	10L pot	3
Trachelospermum jasminoides	150-200cm	10L pot	3

0 m — 40 m
Scale 1:750 @ A1

Client

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Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

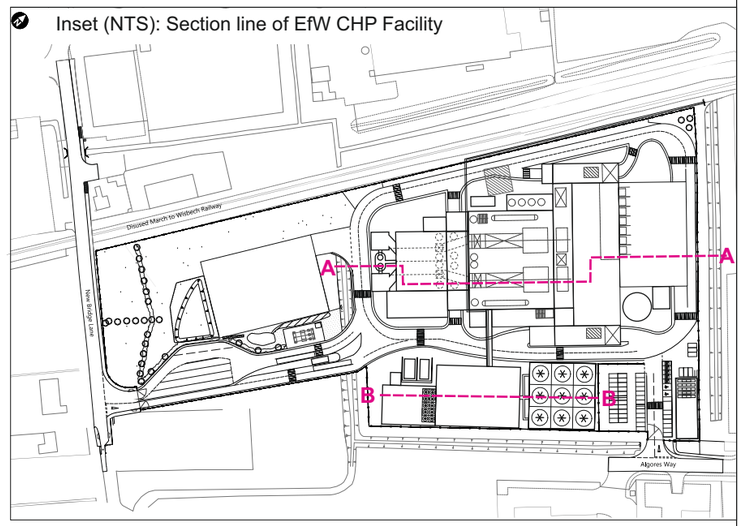
Figure 3.14
Outline Landscape and Ecology Strategy

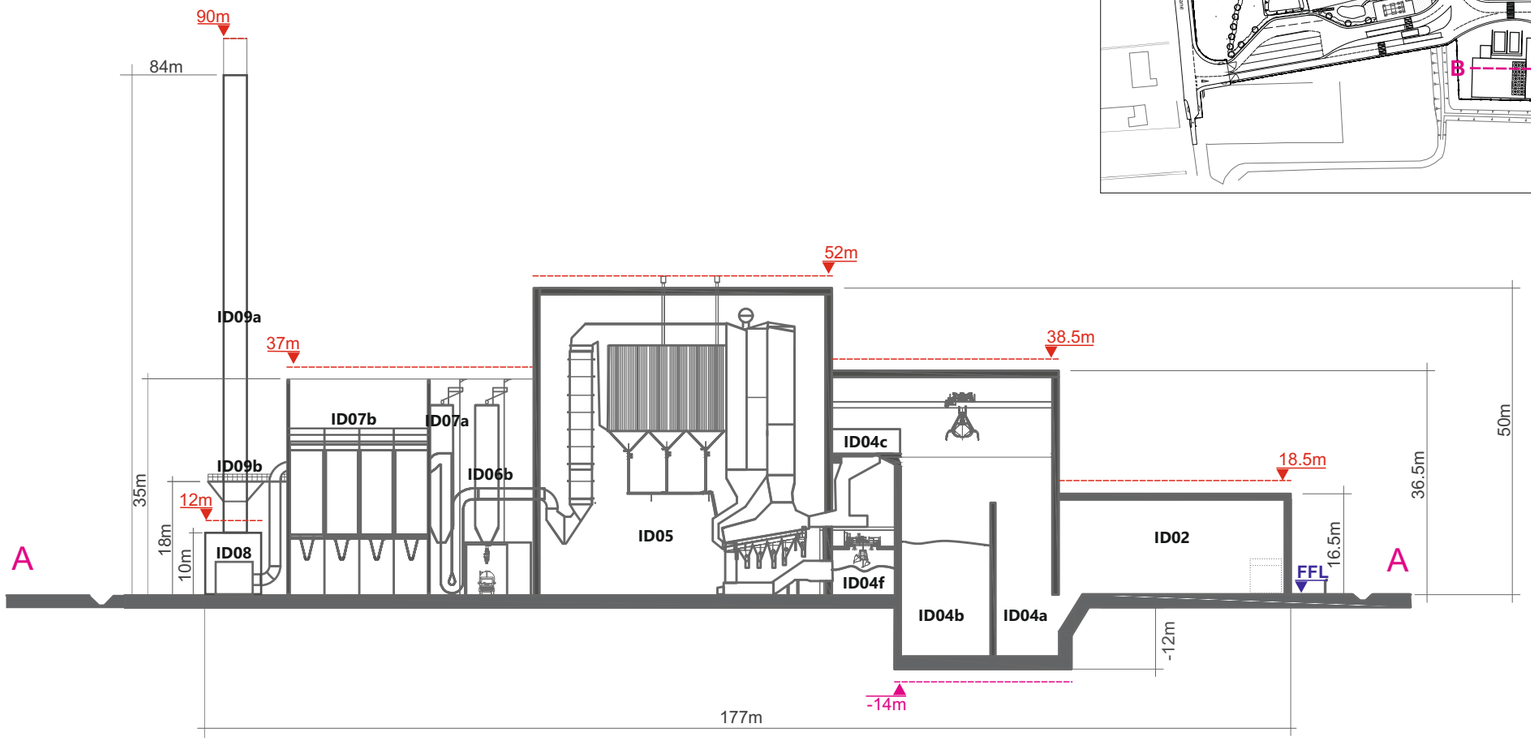
June 2022

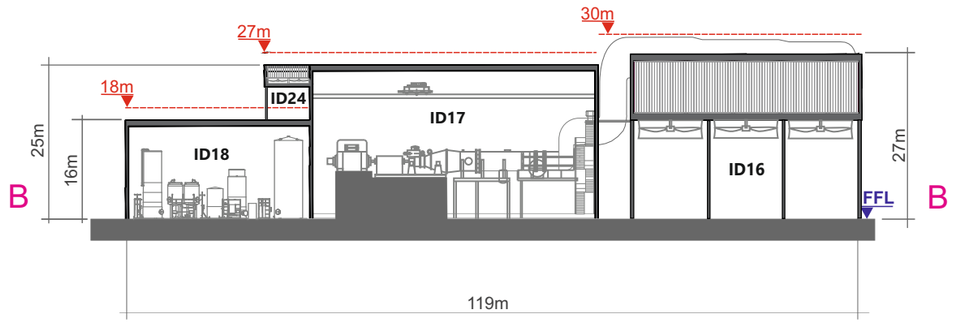
wood.

H:\SAL-IS12-SHARED\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Data\Transport\Access schemes\MVV site plan\41310-WOOD-XX-XX-FG-L-0071_S0_P01.dwg Originator: ADAM.GUY

Inset (NTS): Section line of EfW CHP Facility







Key:

- FFL — Finished floor level (FFL) set at 3.0m above ordnance datum (AOD)
- 16.5m — Maximum horizontal building(s)/ structure(s) lengths
- 16.5m — Proposed vertical building(s)/struture(s) heights above FFL and excluding Limits of Deviation (LoD)
- 18.5m — Maximum vertical building(s)/struture(s) heights above FFL; the vertical Limits of Deviation (LoD)
- -14m — Maximum depth below FFL; the vertical Limits of Deviation (LoD)

ID02: Tipping hall
ID04: Waste Bunker Building
(ID04a): Tipping bunker
(ID04b): Main waste bunker
(ID04c): Waste chute platform
(ID04f): IBA storage bunker and loading areas
ID05: Boiler house building
ID06: Air pollution control storage area
(ID06b): APCr silos
ID07: Air Pollution Control building
(ID07a): APC plant, silos and reactors
(ID07b): Bag filter house
ID08: Induced Draft Fans building
ID09: Chimneys & continuous emissions monitoring systems (CEMS)
(ID09a): chimney
(ID09b): CEMS platform
ID16: Air Cooled Condenser
ID17: Turbine Hall
ID18: Water Treatment Plant
ID24: Water re-cooling system

Notes:
Internal sections of plant and equipment are for illustrative purposes only

0 20 40 60

Scale at A3: 1:1000

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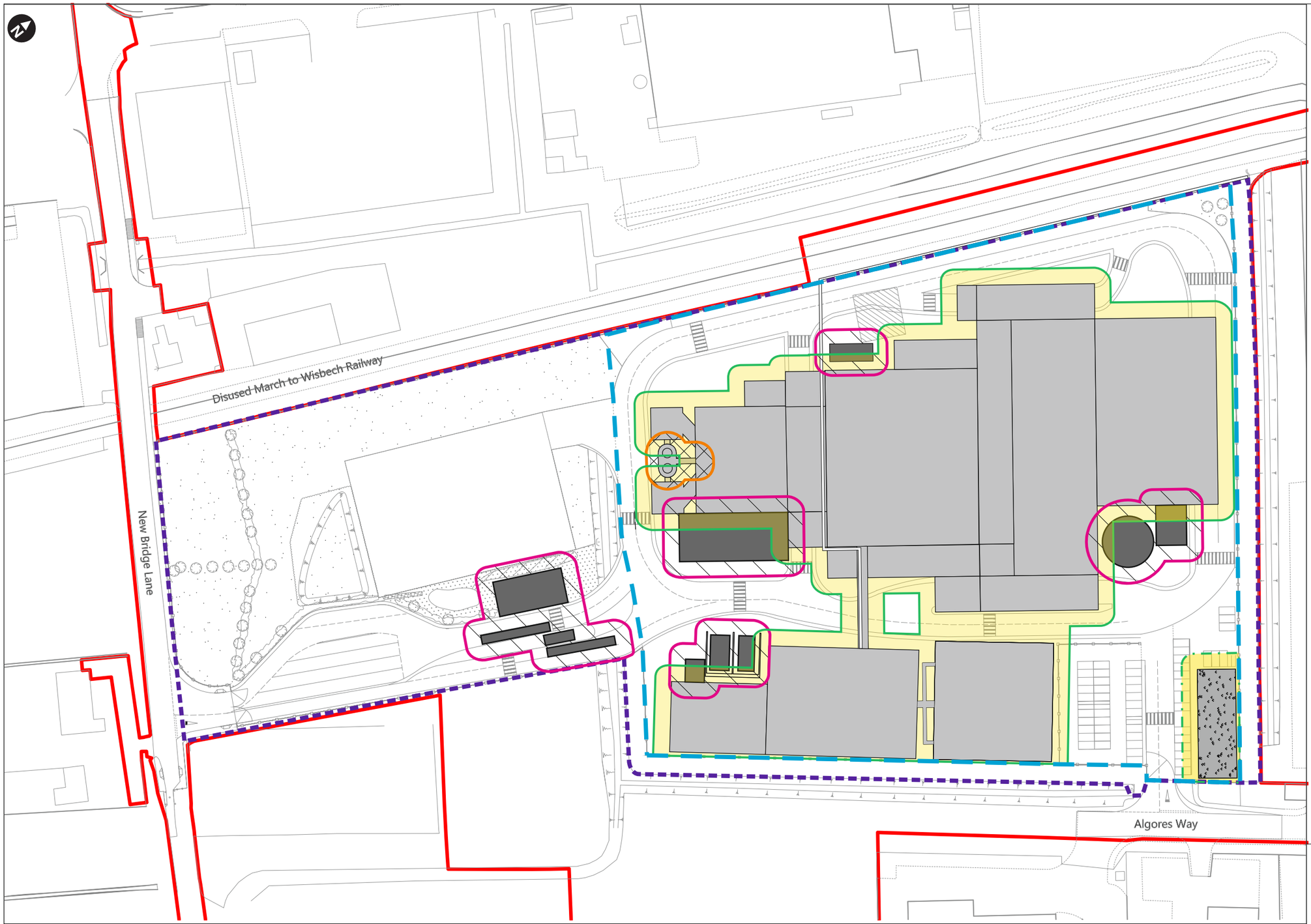
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.15
EfW CHP Facility Vertical Limits of Deviation

June 2022

wood.



Key:

- Order limits
- Works No.1
- Works No.1A
- Works No.1B
- Works No. 2A
- Works No.2B
- Works No.3

Lateral Limits of Deviation (LoD)

- 5m LoD for Works No.1
- 5m LoD for Works No.1A
- 5m LoD for Works No.1B
- 5m LoD for Works No.2A

0 m 50 m

Scale at A3: 1:1250

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Medworth Energy from Waste Combined Heat and Power Facility

Environmental Statement

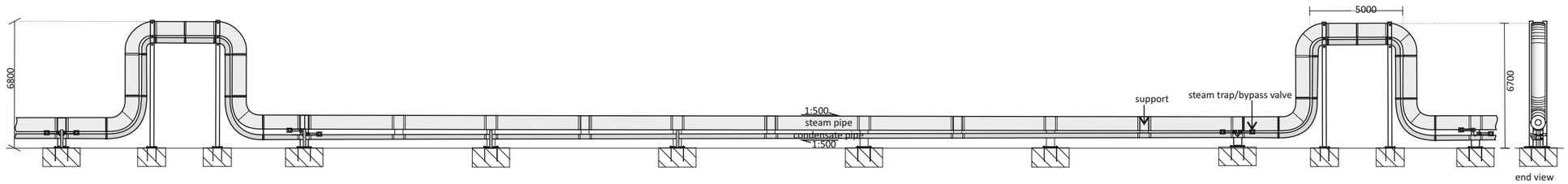
Chapter 3 - Description of the Proposed Development

Figure 3.16

EfW CHP Facility Horizontal Limits of Deviation

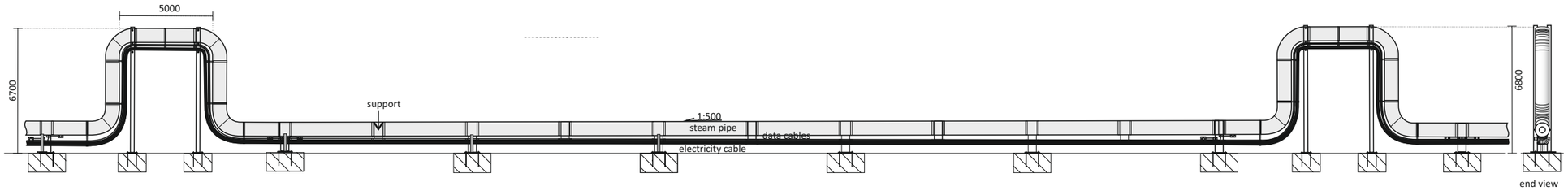
June 2022

wood.



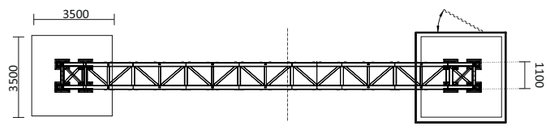
Pipeline elevation including vertical expansion loop (condensate pipe side)

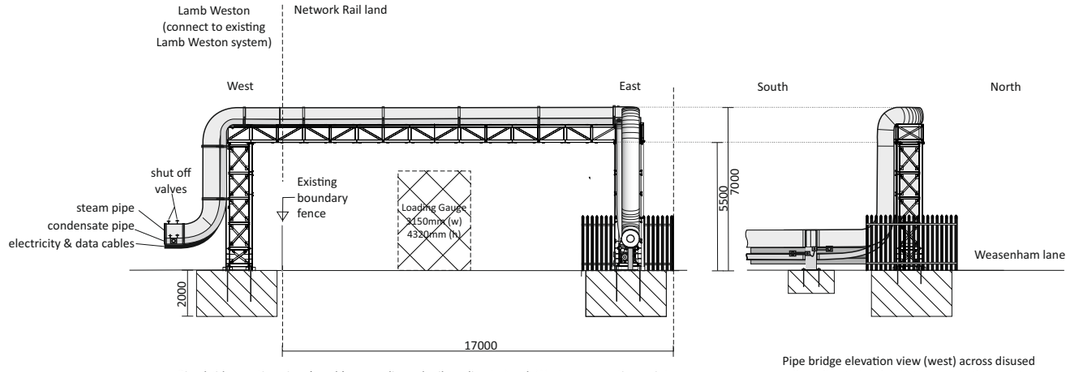
Safety barrier (armco)



Pipeline elevation including vertical expansion loop (electrical and data cable side)

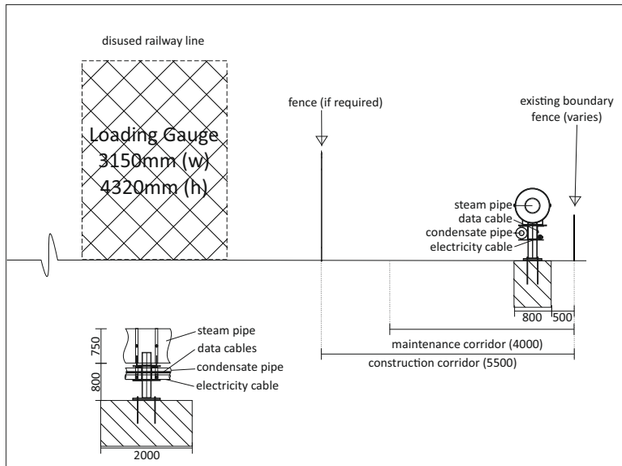
Pipe bridge plan view (without pipes)





Pipe bridge section view (north) across disused railway line to Lamb Weston connection point

Pipe bridge elevation view (west) across disused railway line to Lamb Weston connection point



Sectional view inc. construction and maintenance corridor

0 5 metres

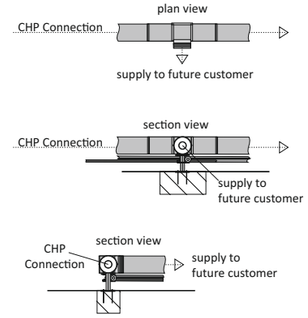
0 5 10 15 20 25

Notes:
Proposed general arrangements for CHP pipeline. Details and location of infrastructure are representative. Subject to detailed design.

General Design Parameters: (measurements in mm)
- Steam Pipe diameter: 750 (300 steam pipe and 450 insulation and cladding)
- Condensate pipe: 250 (100 condensate pipe and 150 insulation and cladding)
- Ground clearance: 400 (minimum)
- Electrical export cables: 110 (includes armour and insulation)
- Data cables: c.3 x wires
- Steam trap and bypass valves: either side of expansion loop and bridge
- Pipe cladding: galvanised/coated steel colour to be agreed
- Pipes lengths: 6000 or 12000 prefabricated sections
- Pipe supports spans: 10000
- Protective barrier/fence: Armco or similar
- Steam and condensate pipe gradient: 1:5000
- Foundation slab: subject to ground conditions up to 2000(w) 2000(w) 2000(d)
- auger piles (if required) 5000(d)
- Customer connection details subject to agreement

.

General arrangements for future customer offtake from the CHP Connection



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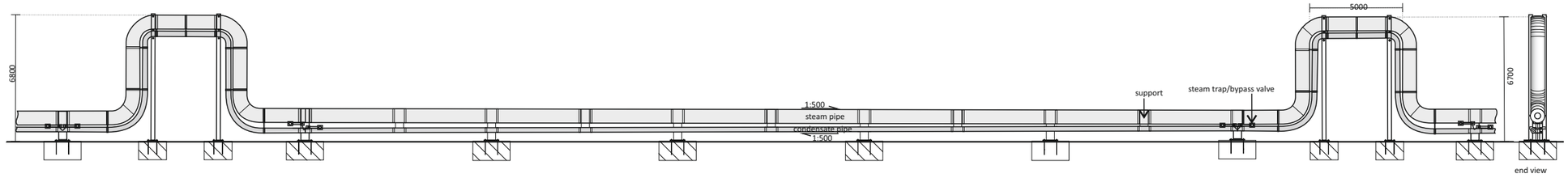
Environmental Statement
Chapter 3 - Description of the Proposed Development

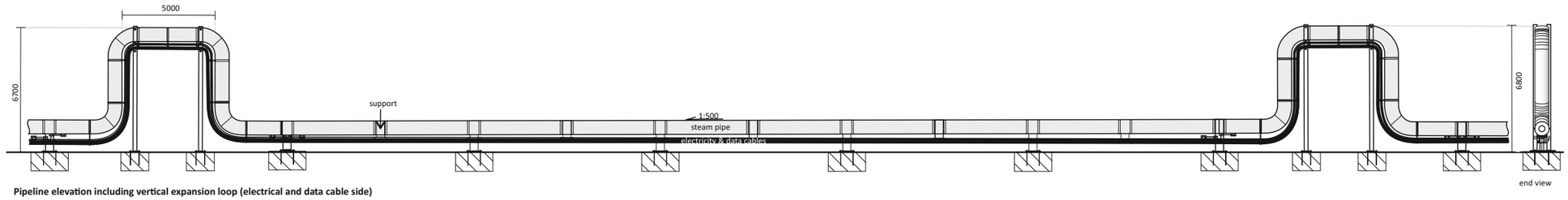
Figure 3.17i
CHP Connection General Arrangement (South of Weasenham Lane)

June 2022

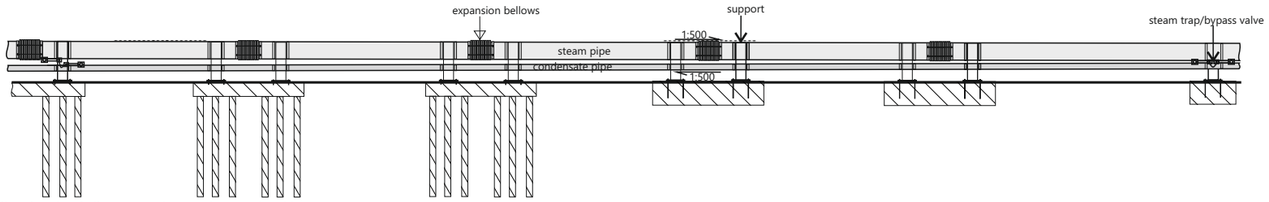
wood.



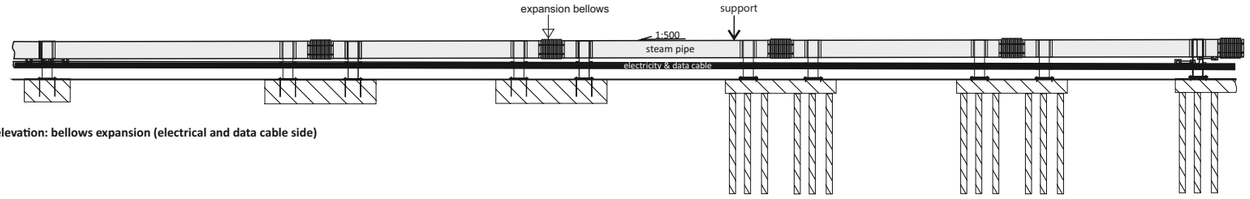
Pipeline elevation including vertical expansion loop (condensate pipe side)



Pipeline elevation including vertical expansion loop (electrical and data cable side)

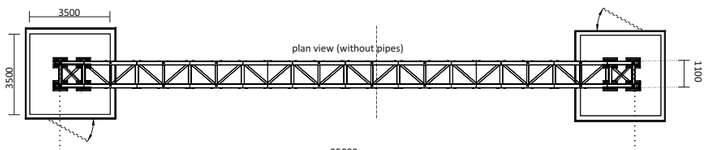


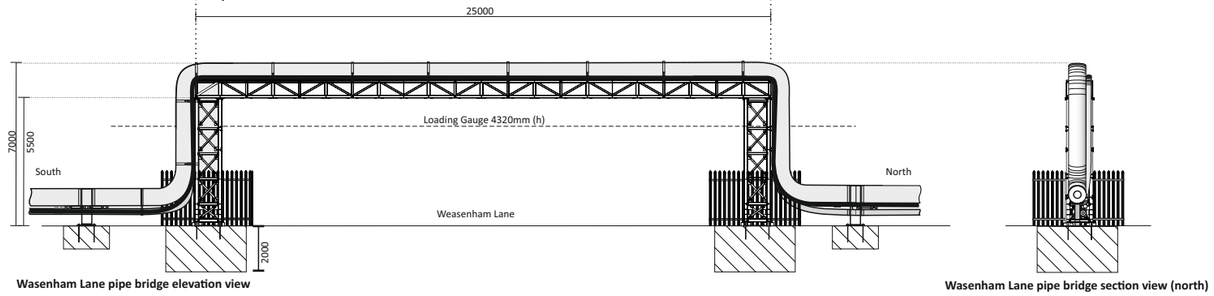
Pipeline elevation: bellows expansion (condensate pipe side)



Pipeline elevation: bellows expansion (electrical and data cable side)

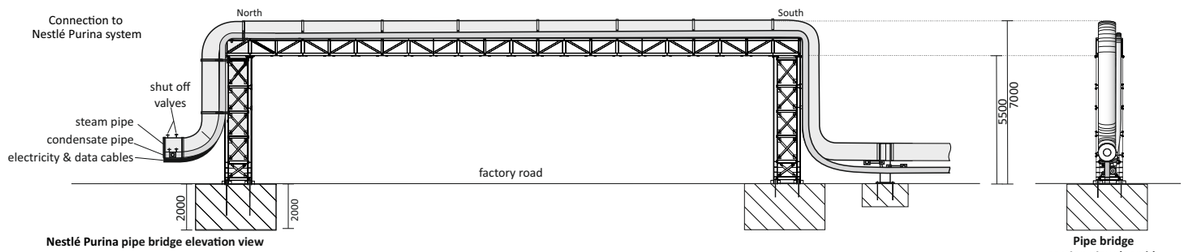
Pipe bridge plan view (without pipes)





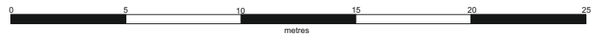
Wasenham Lane pipe bridge elevation view

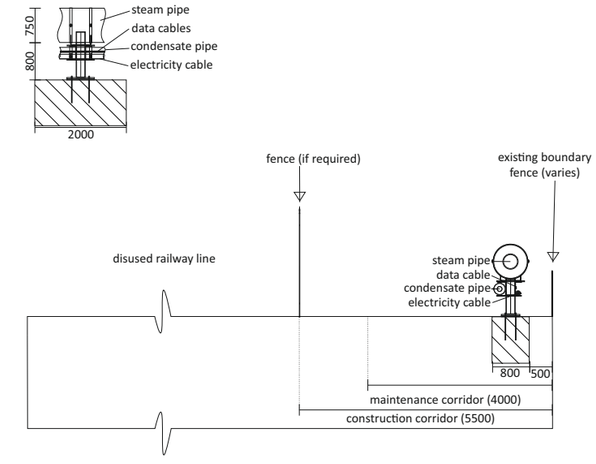
Wasenham Lane pipe bridge section view (north)



Nestlé Purina pipe bridge elevation view

Pipe bridge section view (north)





Sectional view inc. construction and maintenance corridor

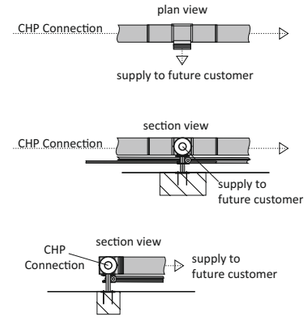
Notes:

Proposed general arrangements for CHP pipeline. Details and location of infrastructure are representative. Subject to detailed design.

General Design Parameters: (measurements in mm)

- Steam Pipe diameter: 750 (300 steam pipe and 450 insulation and cladding)
- Condensate pipe: 250 (100 condensate pipe and 150 insulation and cladding)
- Ground clearance: 400 (minimum)
- Electrical export cables: 110 (includes armour and insulation)
- Data cables: c.3 x wires
- Steam trap and bypass valves: either side of expansion loop and bridge
- Pipe cladding: galvanised/coated steel colour to be agreed
- Pipes lengths: 6000 or 12000 prefabricated sections
- Pipe supports spans: 10000
- Protective barrier/fence: Armco or similar
- Steam and condensate pipe gradient: 1:5000
- Foundation slab: subject to ground conditions up to 2000(w) 2000(w) 2000(d)
- auger piles (if required) 5000(d)
- Customer connection details subject to agreement

General arrangements for future customer offtake from the CHP Connection



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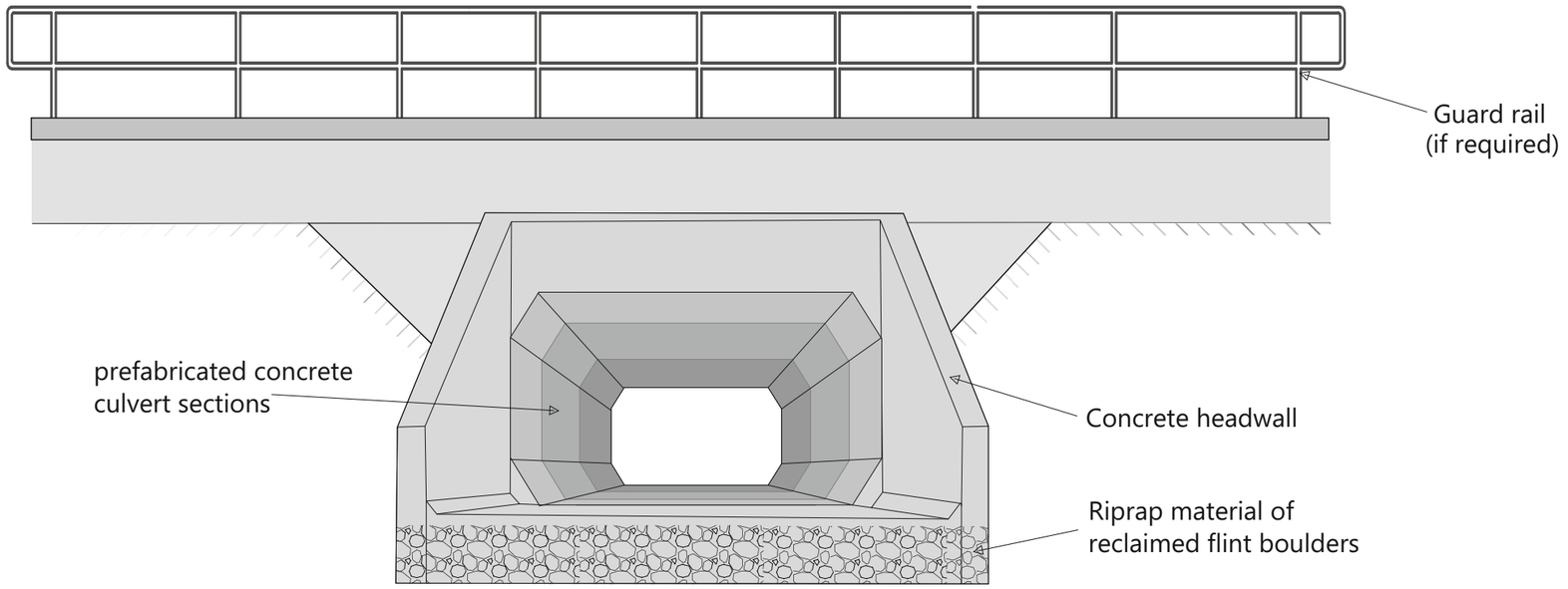
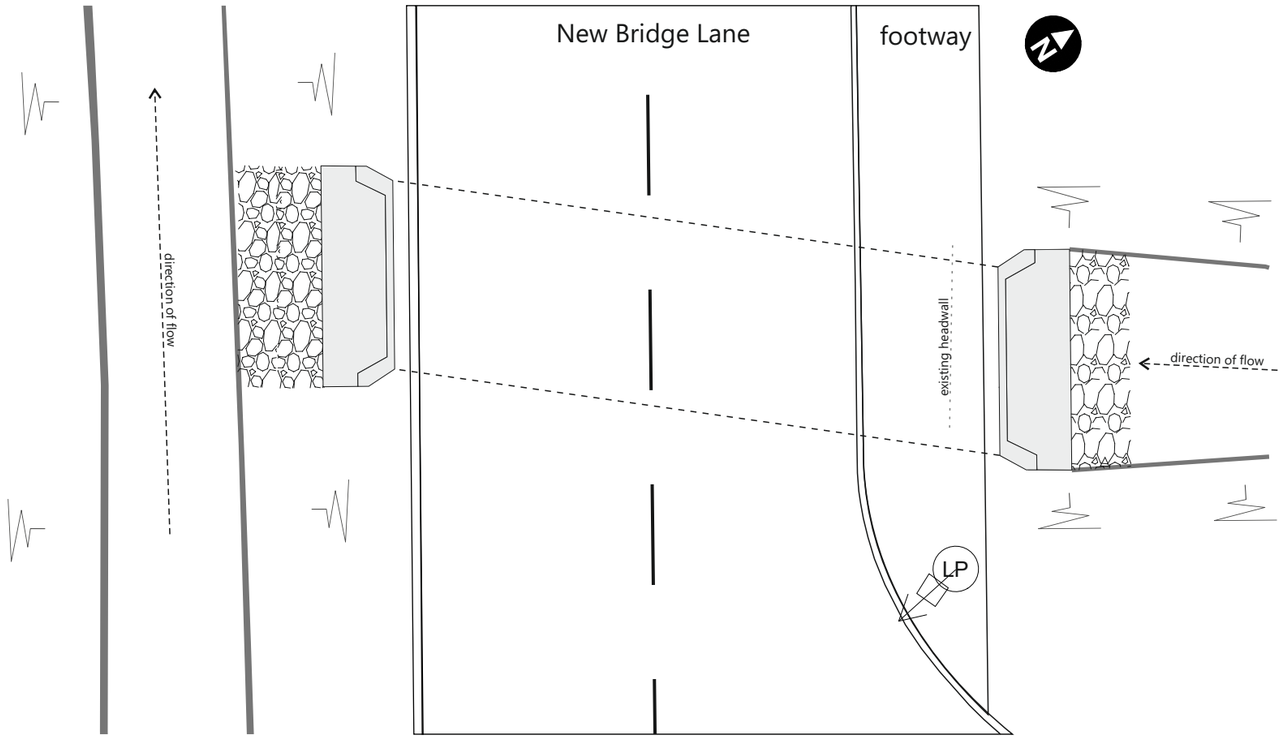
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.17ii
CHP Connection General Arrangement North of Weasenham Lane)

June 2022

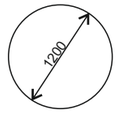




Notes:

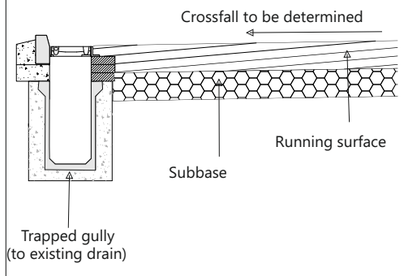
Proposed general arrangements for culvert extension or replacement works to accommodate Access Improvements along New Bridge Lane. Details subject to detailed design.

General design parameters:
Illustrative design for a concrete box culvert with prefabricated concrete headwall and riprap material to prevent bed erosion.
Running surface over culvert to incorporate a trapped gully or simular arrangement to collect surface water and discharge to existing road system
Minium standard for the extension to or replacement of the culvert to maintain (or improve) existing flow



existing flow area
(1.13m2)

Inset (NTS): General arrangements - gullys



Inset (NTS): Location of proposed culvert works on New bridge Lane

0 1 2 3 4 5

Scale at A3: 1:100

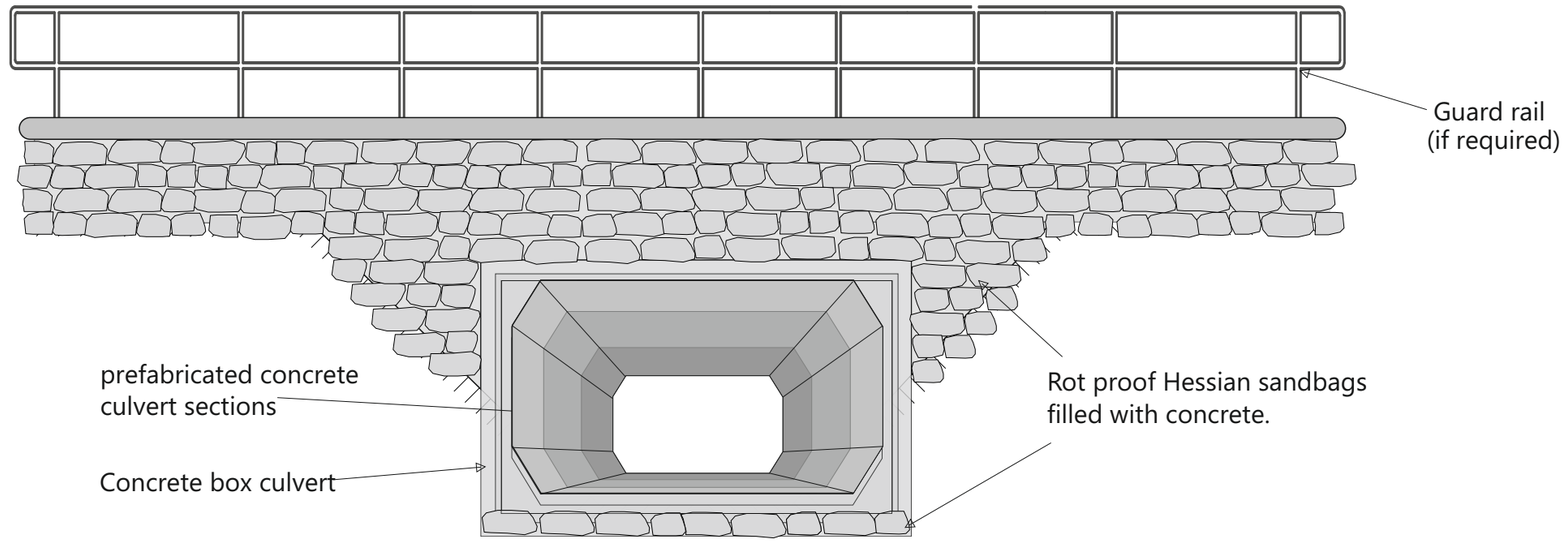
Client

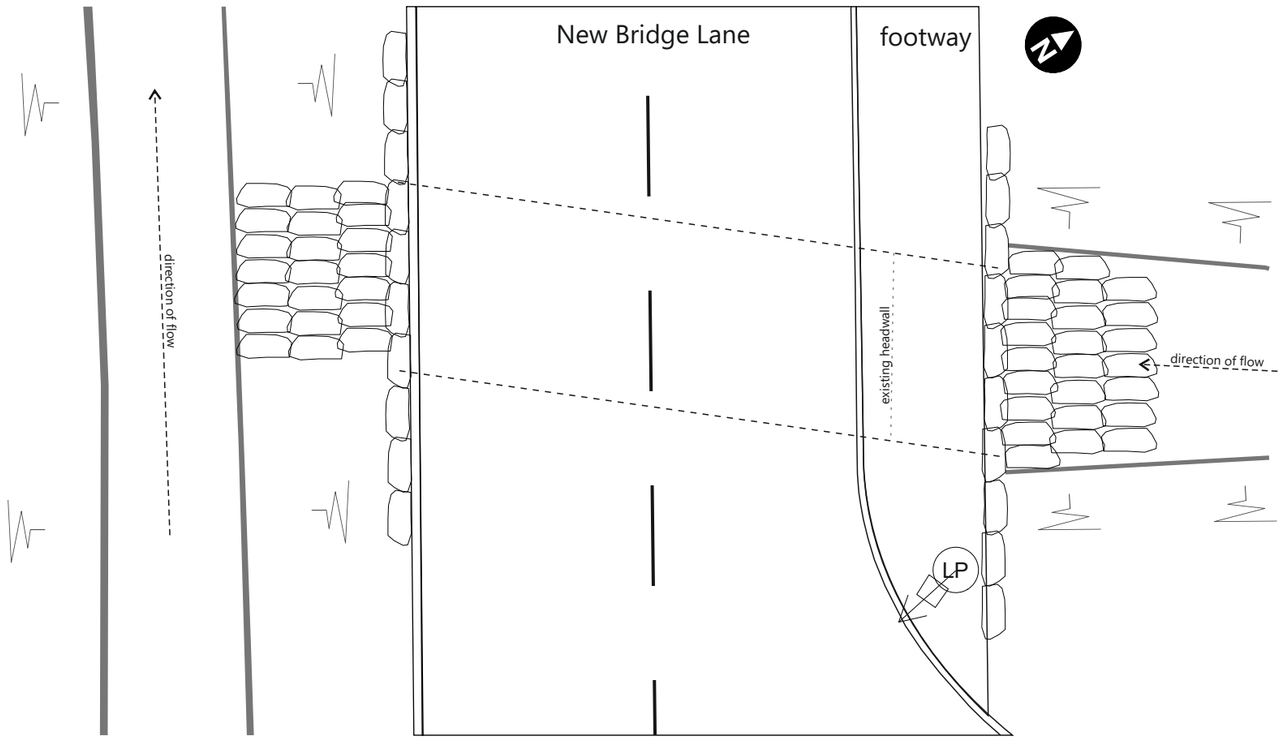
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.18i
IDB Culvert General Arrangements (Access Improvements concrete headwall option)

June 2022

wood.





Notes:

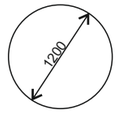
Proposed general arrangements for culvert extension or replacement works to accommodate Access Improvements along New Bridge Lane. Details subject to detailed design.

General design parameters:

Illustrative design for a concrete box culvert with prefabricated concrete headwall and riprap material to prevent bed erosion.

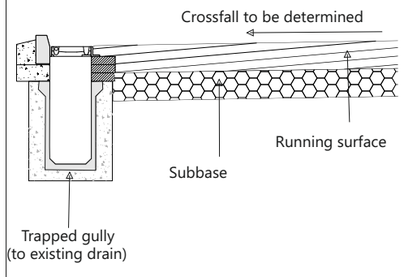
Running surface over culvert to incorporate a trapped gully or simular arrangement to collect surface water and discharge to existing road system

Minium standard for the extension to or replacement of the culvert to maintain (or improve) existing flow

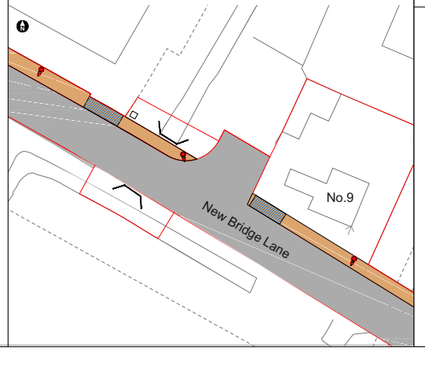


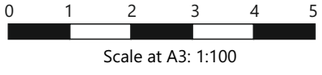
existing flow area
(1.13m2)

Inset (NTS): General arrangements - gullys



Inset (NTS): Location of proposed culvert works on New bridge Lane





Scale at A3: 1:100

Client

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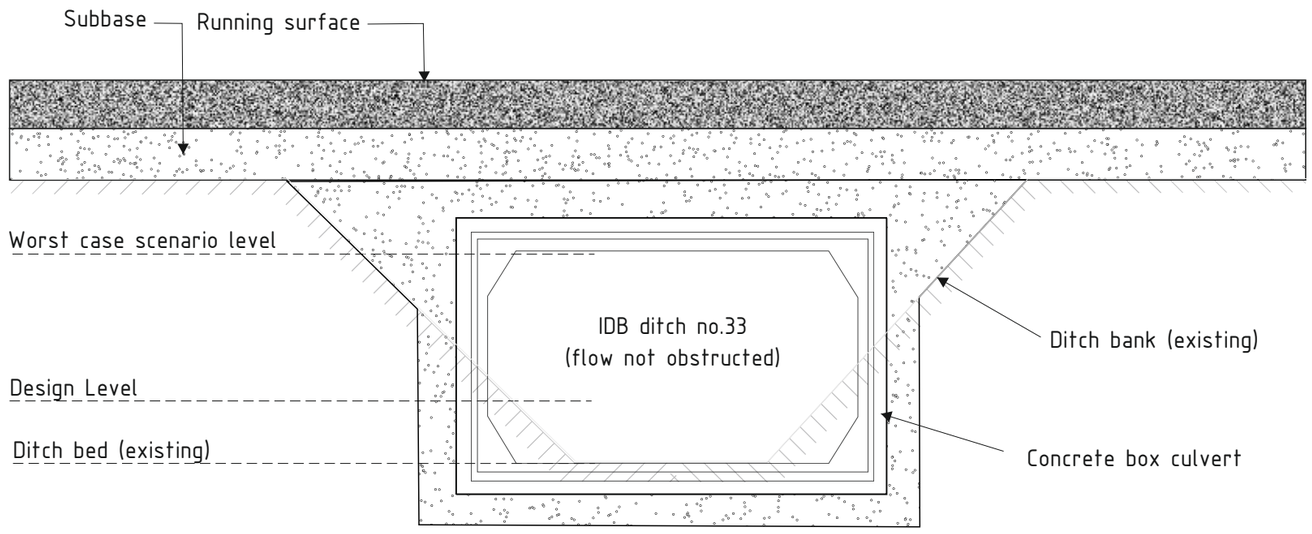
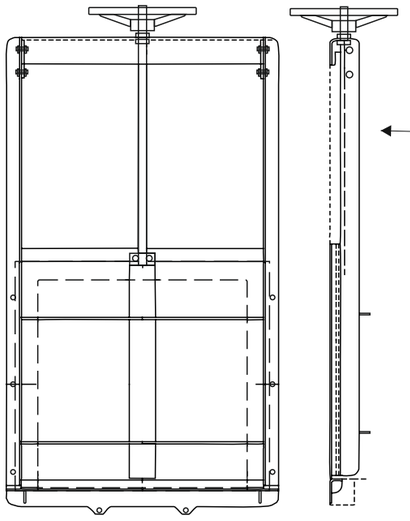
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.18ii
IDB Culvert General Arrangements (Access Improvements concrete headwall sandbag option)

June 2022

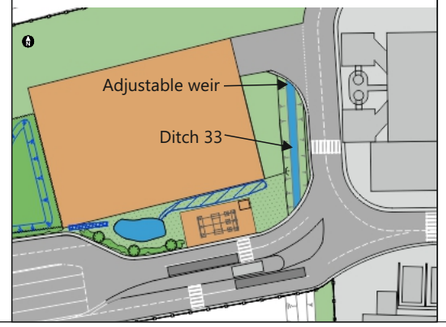
wood.





Illustrative example of adjustable weir to be provided
For general location, see inset drawing.

Inset (NTS): Location of proposed culvert works on Ditch 33



Notes:

Proposed general arrangements for culvert extension of IDB ditch no. 33. Details subject to detailed design.

General design parameters:
Illustrative design for a concrete box culvert with prefabricated concrete headwall and riprap material to prevent bed erosion.
Running surface over culvert to incorporate a trapped gully or simular arrangement to collect surface water and discharge to EfW CHP Facility drainage system.
Minium standard for the extension to or replacement of the culvert to maintain existing flow
Remove existing and provide replacement adjustable weir.

Scale at A3: illustrative only, not to scale

Client

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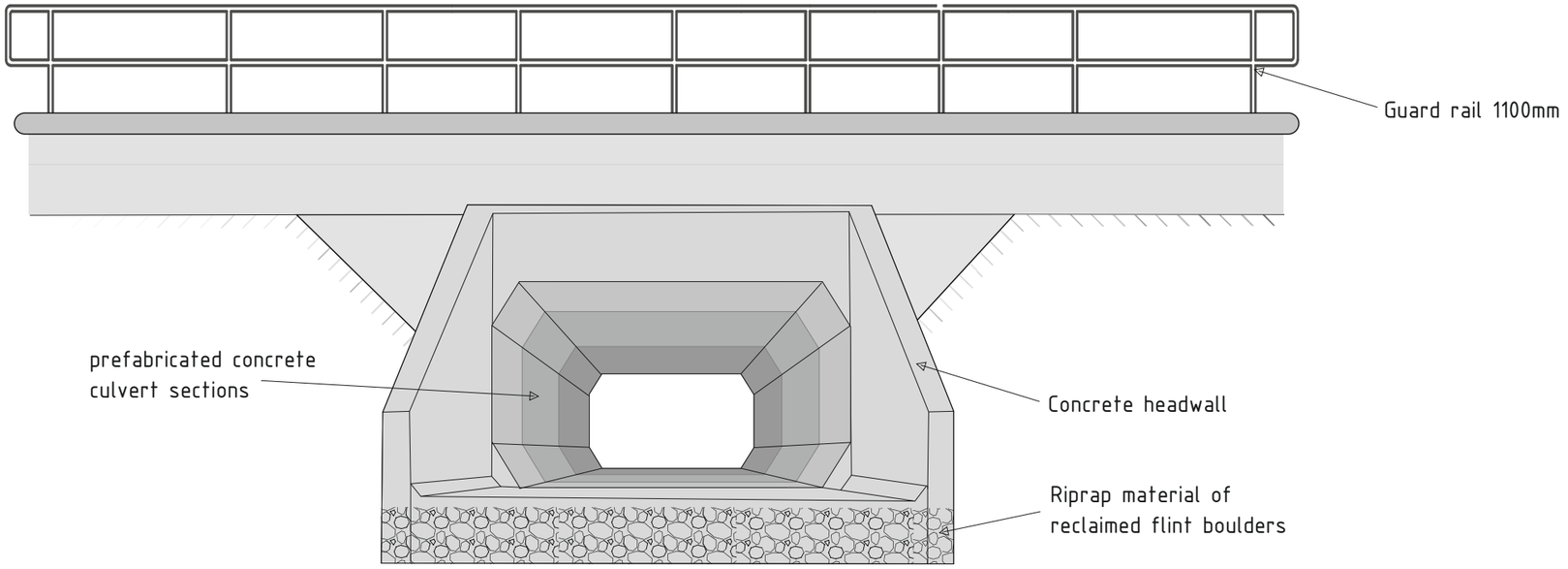
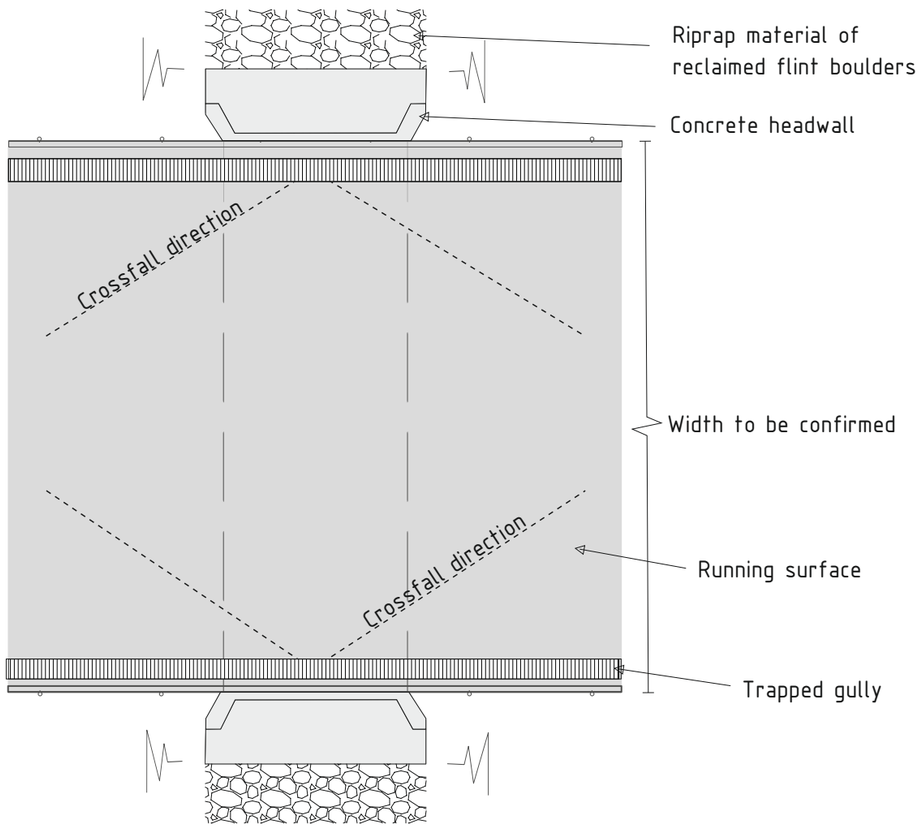
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.18iii
IDB Culvert General Arrangements (Ditch 33 section and adjustable weir)

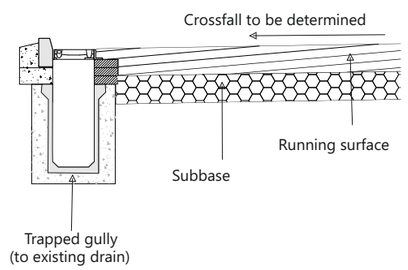
June 2022

wood.

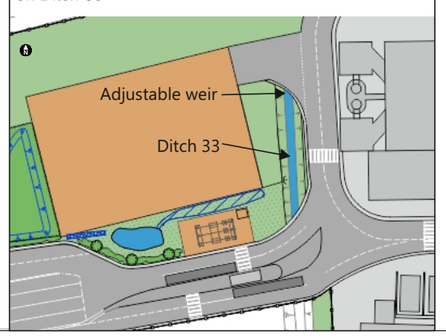




Inset (NTS): General arrangements - gullys



Inset (NTS): Location of proposed culvert works on Ditch 33



Notes:

Proposed general arrangements for culvert extension of IDB ditch no. 33. Details subject to detailed design.

General design parameters:

Illustrative design for a concrete box culvert with prefabricated concrete headwall and riprap material to prevent bed erosion.

Running surface over culvert to incorporate a trapped gully or simular arrangement to collect surface water and discharge to EfW CHP Facility drainage system.

Minium standard for the extension to or replacement of the culvert to maintain existing flow.

Scale at A3: NTS

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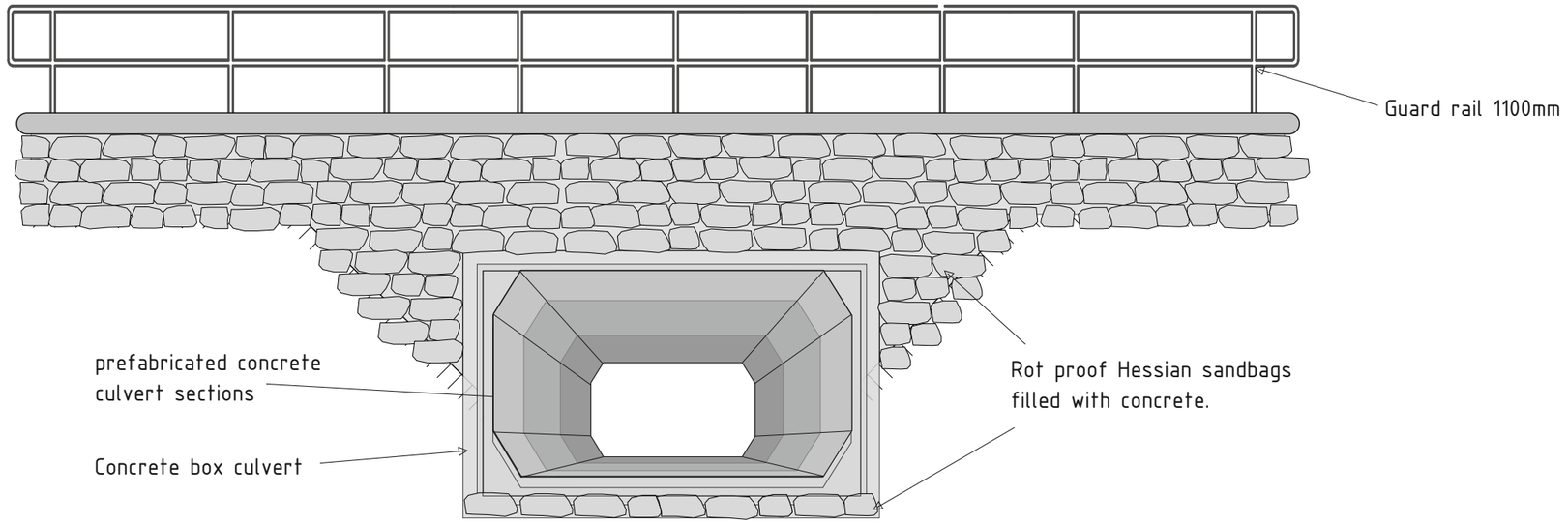
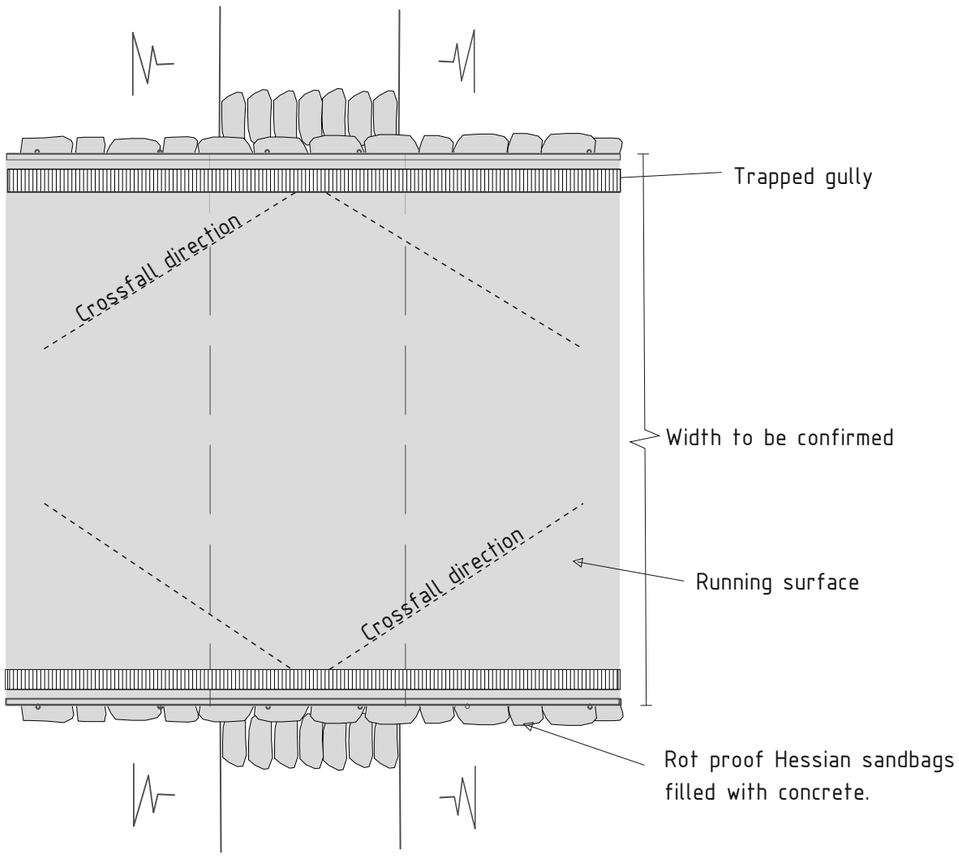
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.18iv
IDB Culvert General Arrangements (Ditch 33 concrete headwall option with elevation)

June 2022

wood.



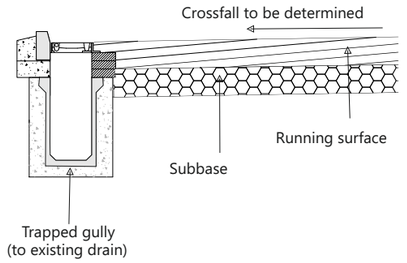


Notes:
Proposed general arrangements for permanent culvert crossing of ditch 33 bridge.
Details are representative. Subject to detailed design.

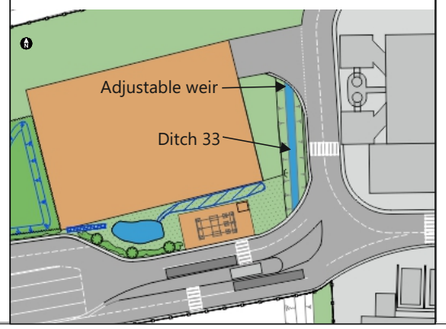
General Design Parameters:
Illustrative design for a concrete box culvert with concrete sandbag headwall.

Running surface over culvert to incorporate a trapped gully or simular arrangement to collect surface water and discharge to EfW CHP Facility drainage system.
Minium standard for the extension to or replacement of the culvert to maintain existing flow
Remove existing and provide replacement adjustable weir.

Inset (NTS): General arrangements - gullys



Inset (NTS): Location of proposed culvert works on Ditch 33



Scale at A3: NTS

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Chapter 3 - Description of the Proposed Development

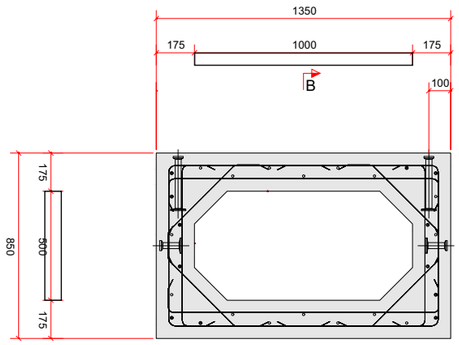
Figure 3.18v
IDB Culvert General Arrangements (Ditch 33 concrete sandbag headwall option with elevation)

June 2022

wood.

Figure 3.18v

BOX CULVERT
STANDARD STOCK
1000 x 500
UNIT REF:- BC-0001

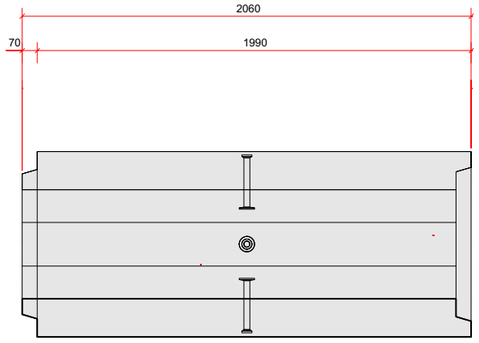


SECTION A-A THRO' CULVERT CROSS SECTION

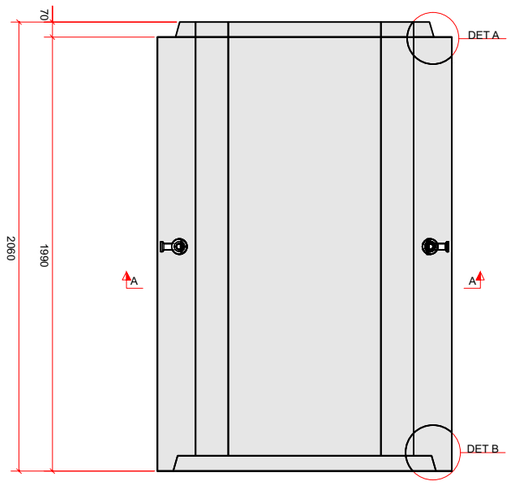
INTERNAL DIMENSIONS

(Based on flat invert culvert units)
Key: Flow area m2 / Discharge rate m3/sec

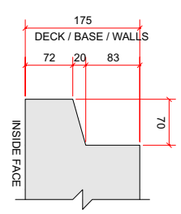
Internal height mm	Width mm (internal span)															
	1000	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	5100	5400
500	0.46 0.40	0.56 0.51	0.71 0.67	0.86 0.84	1.01 1.00	-	-	-	-	-	-	-	-	-	-	-
600	0.56 0.53	0.68 0.67	0.86 0.89	1.04 1.11	1.22 1.33	-	-	-	-	-	-	-	-	-	-	-
650	0.61 0.60	0.74 0.76	0.93 1.00	1.13 1.25	1.32 1.50	1.52 1.75	1.71 2.00	-	-	-	-	-	-	-	-	-
800	0.76 0.81	0.92 1.03	1.13 1.33	1.37 1.67	1.61 2.01	1.85 2.36	2.09 2.71	2.33 3.06	2.57 3.42	2.81 3.77	3.05 4.12	-	-	-	-	-
1000	0.96 1.10	1.16 1.40	1.43 1.84	1.73 2.32	2.03 2.80	2.33 3.29	2.63 3.79	2.93 4.29	3.23 4.79	3.53 5.30	3.83 5.80	4.13 6.30	4.43 6.81	4.73 7.32	-	-
1200	-	1.37 1.76	1.73 2.37	2.09 3.00	2.45 3.64	2.81 4.29	3.17 4.95	3.53 5.61	3.89 6.28	4.25 6.95	4.61 7.62	4.97 8.29	5.33 8.97	5.69 9.64	6.05 10.32	6.41 11.00
1500	-	-	2.18 3.21	2.63 4.09	3.08 4.98	3.53 5.89	3.98 6.81	4.43 7.74	4.88 8.68	5.33 9.62	5.78 10.57	6.23 11.52	6.68 12.48	7.13 13.44	7.58 14.40	8.03 15.37
1800	-	-	-	3.17 5.21	3.71 6.38	4.25 7.57	4.79 8.78	5.33 10.00	5.87 11.24	6.41 12.48	6.95 13.74	7.49 15.00	8.03 16.27	8.57 17.54	9.11 18.82	9.65 20.10
2100	-	-	-	-	4.34 7.83	4.97 9.31	5.60 10.83	6.23 12.36	6.86 13.92	7.49 15.49	8.12 17.07	8.75 18.67	9.38 20.27	10.01 21.89	10.64 23.50	11.27 25.13
2400	-	-	-	-	-	5.69 11.11	6.41 12.94	7.13 14.81	7.85 16.70	8.57 18.62	9.29 20.55	10.01 22.50	10.73 24.46	11.45 26.44	12.17 28.42	12.89 30.41
2700	-	-	-	-	-	-	7.22 15.11	8.03 17.32	8.84 19.57	9.65 21.84	10.46 24.14	11.27 26.46	12.08 28.80	12.89 31.16	13.70 33.53	14.51 35.91
3000	-	-	-	-	-	-	-	8.93 19.89	9.83 22.50	10.73 25.15	11.63 27.83	12.53 30.54	13.43 33.27	14.33 36.03	15.23 38.80	16.13 41.59
3300	-	-	-	-	-	-	-	-	10.82 25.49	11.81 28.52	12.80 31.60	13.79 34.71	14.78 37.86	15.77 41.03	16.76 44.22	17.75 47.43
3600	-	-	-	-	-	-	-	-	-	12.89 31.96	13.97 35.44	15.05 38.97	16.13 42.53	17.21 46.13	18.29 49.76	19.37 53.42



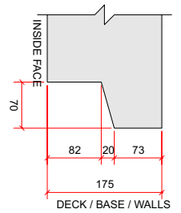
SECTION B-B THRO' CULVERT UNIT LENGTH



PLAN VIEW ON DECK SLAB - 1000 x 500 CULVERT UNIT



DETAIL A (SPIGOT)



DETAIL B (SOCKET)

Notes:
General dimensions for pre cast box culverts.
Size(s) to be selected is subject to detailed design

Scale at A3: NTS

Client

Medworth CHP Limited
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Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.18vi
IDB Culvert General Arrangements (Precast Box Culvert dimensions)

June 2022

wood.

Retention of existing footway

Provision of a dropped kerb crossing

Retention of existing footway

Retention of existing private access

Potential location for relocated Compact Substation

Removal of existing Compact Substation

Provision of a dropped kerb to access private driveway

IDB culvert and head wall works

Retention of existing private access

Provision of a dropped kerb to access private driveway

2.00

7.30

Disused Ma

Key

- Order limits
- Proposed access scheme
- Highways boundary
- Indicative new street lighting

Notes:

1. New street lighting has been provided on an indicative basis (at 30m intervals and at conflict areas) and will require detailed design and assessment.

2. Compact substation to be relocated within Order limits.

3. Works to IDB drain either to
   a) replace culvert/headwall;
   or
   b) extend existing culvert and provide new headwall.
   See Figure 3.18 for general arrangments.

0 m 30 m

Scale 1:500 @ A3

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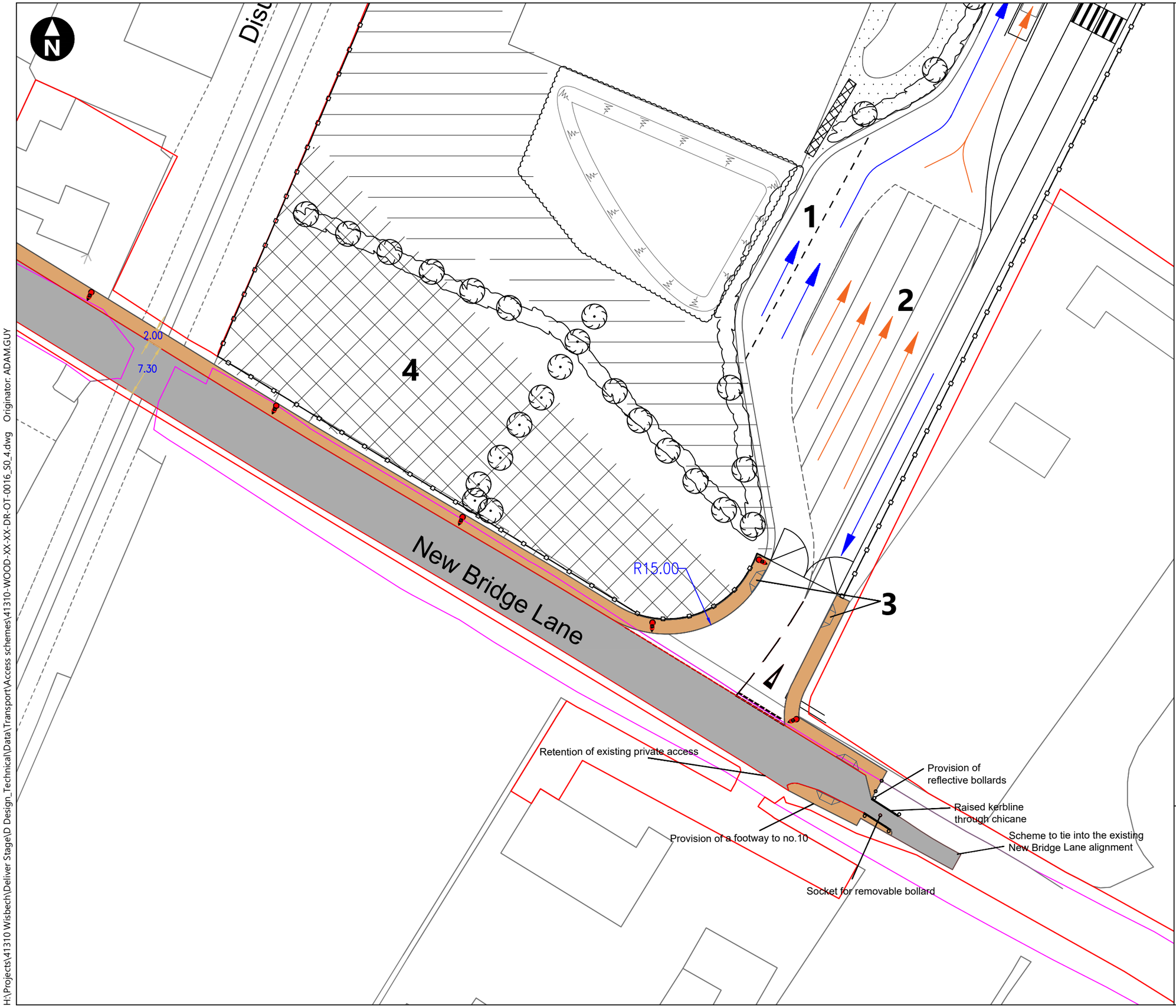
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.19i
New Bridge Lane access proposal

June 2022

wood.

H:\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Data\Transport\Access schemes\41310-WOOD-XX-XX-DR-OT-0016_S0_4.dwg Originator: ADAM.GUY



Key

- Order limits
- Proposed access scheme
- Highways boundary
- Indicative new street lighting
- 1 Layby
- 2 Vehicle queuing area
- 3 Dropped kerb crossing
- 4 Rail embankment (by others) reservation area

Notes:

1. Proposed visibility based on New Bridge Lane being subject to a revised 30mph speed limit.
2. Visibility requirements 2.4m x 70m, desirable minimum.
3. New street lighting has been provided on an indicative basis (at 30m intervals and at conflict areas) and will require detailed design and assessment.
4. Access for No.10 New Bridge Lane through a chicane; subject to the agreement of the Highways Authority. Socket for removable bollard provided and if experienced, a bollard may be installed by the highways authority to prevent through traffic.

0 m 30 m

Scale 1:500 @ A3

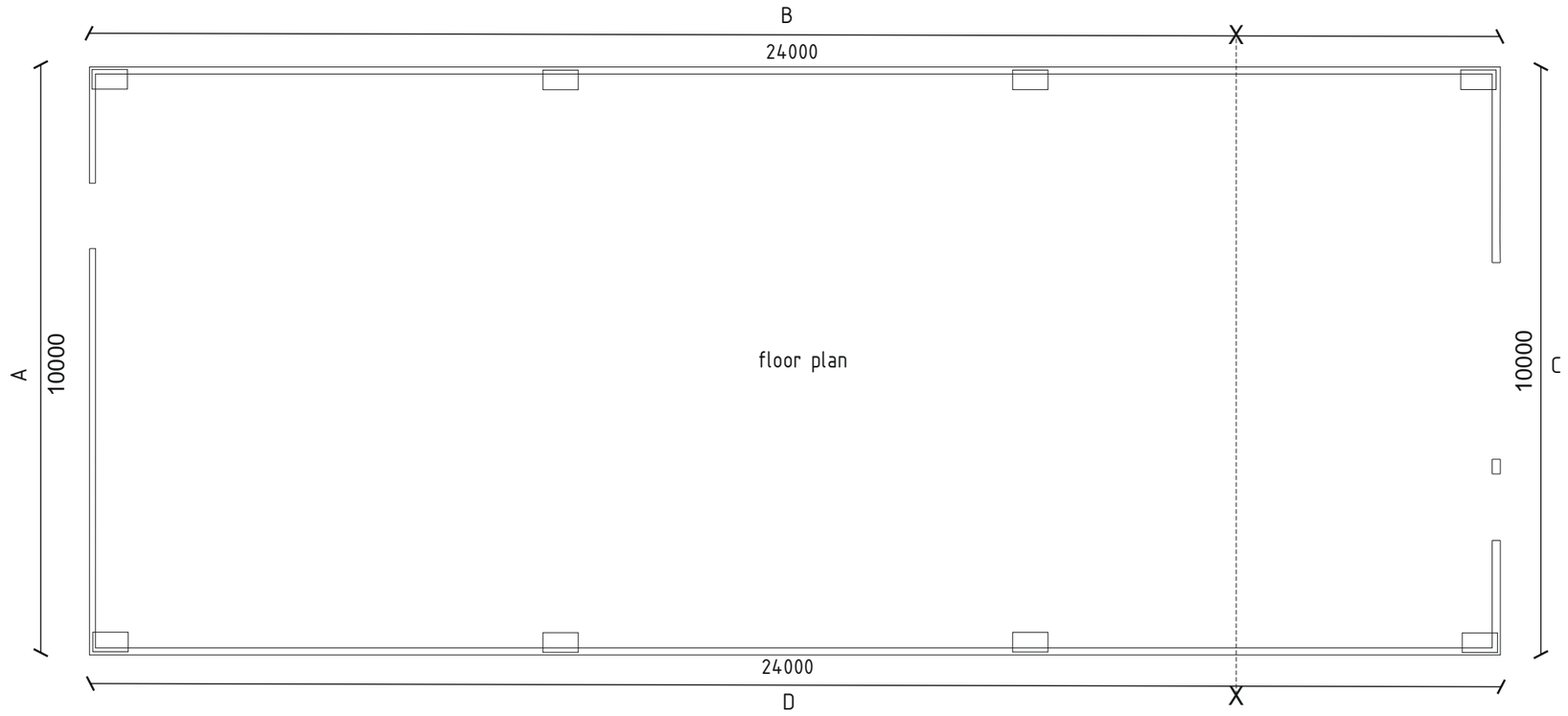
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.19ii
New Bridge Lane access proposal

June 2022

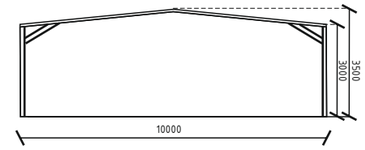
wood.

H:\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Data\Transport\Access schemes\41310-WOOD-XX-XX-DR-OT-0016_S0_4.dwg Originator: ADAM.GUY



Notes:
Proposed general arrangements for temporary workshop/store for construction.
Details are representative; final type/dimensions subject to appointment of contractor.
Prefabricated Kit Building with Steel Frame and Cladding, roller shutter door, pedestrian door x 2
Maximum building dimensions:
10m (w) x 24m (l) x 3.5m (h)
Colour: olive green RAL:1003020 or similar
.

Section X-X



NTS

0 1 2 3 4 5m

Scale at A3: 1:100

Client

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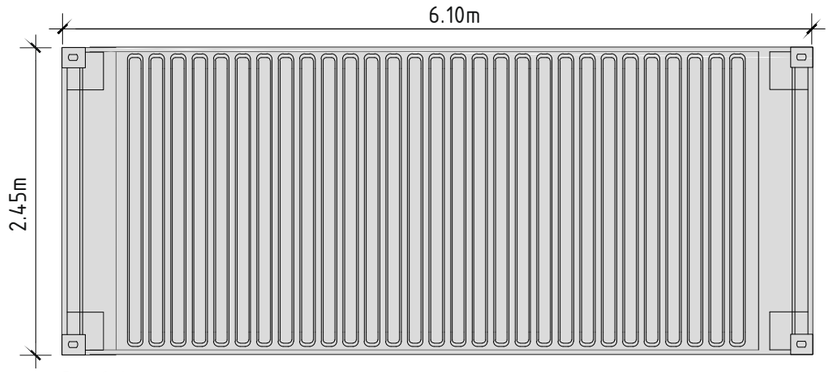
Environmental Statement
Chapter 3 - Description of the Proposed Development

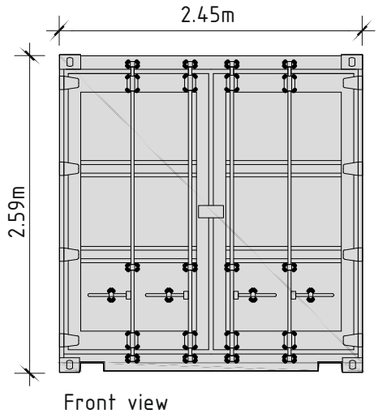
Figure 3.20
Temporary workshop/store building

June 2022

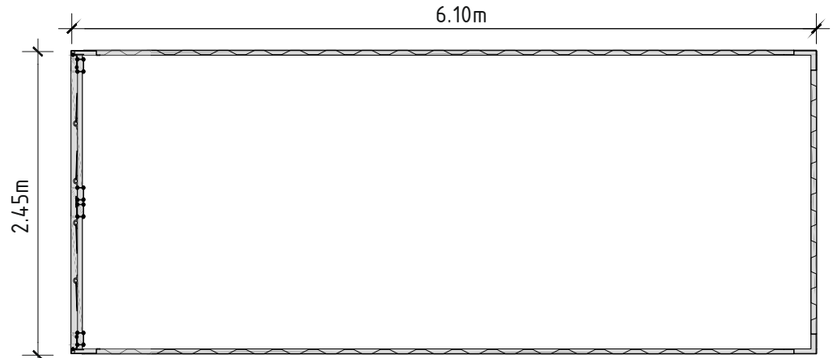
wood.



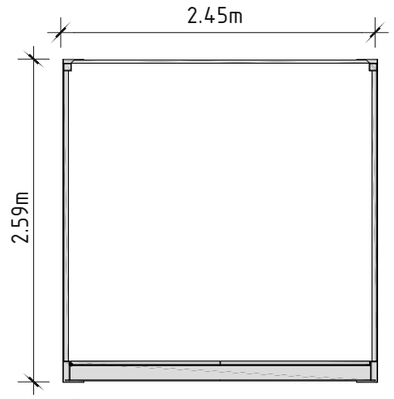
Roof top



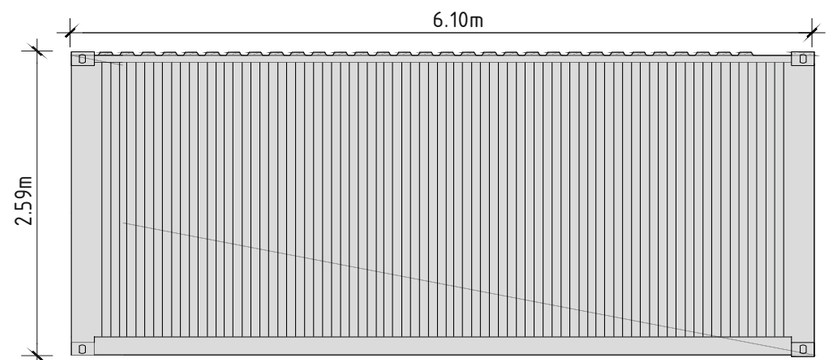
Front view



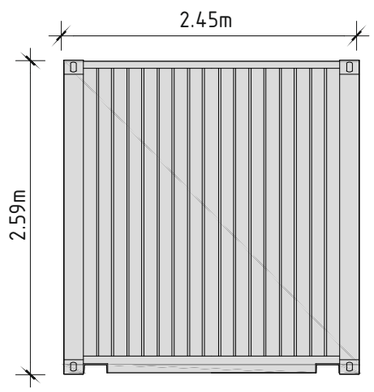
Long Section



Cross section



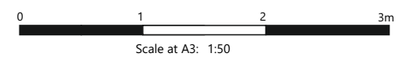
Side view



Back view

Notes:
Proposed general arrangements for temporary ISO storage containers for construction.
Details are representative; final type/dimensions subject to appointment of contractor.
Length: 6.10m
Width: 2.45m
Height: 2.59m
Capacity (internal): c.33.2m3
Colour: subject availability

.



Scale at A3: 1:50

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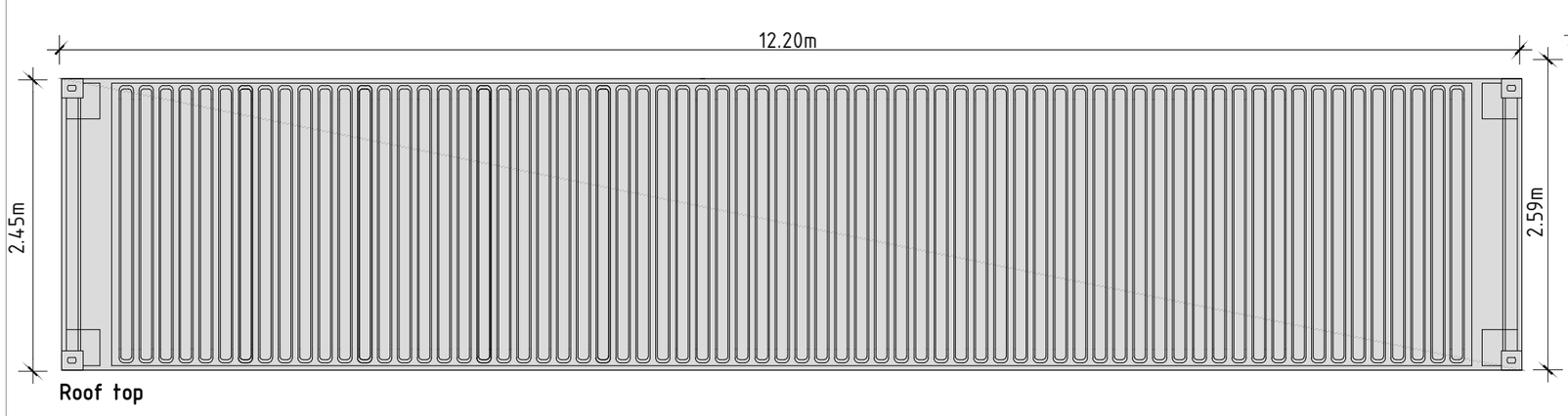
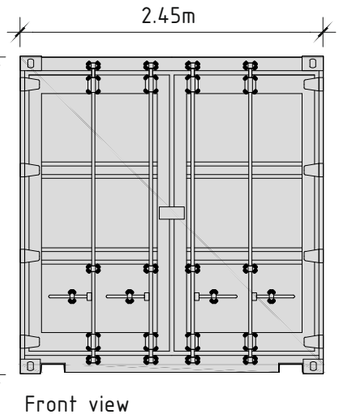
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.21i
Temporary ISO storage container (6m)

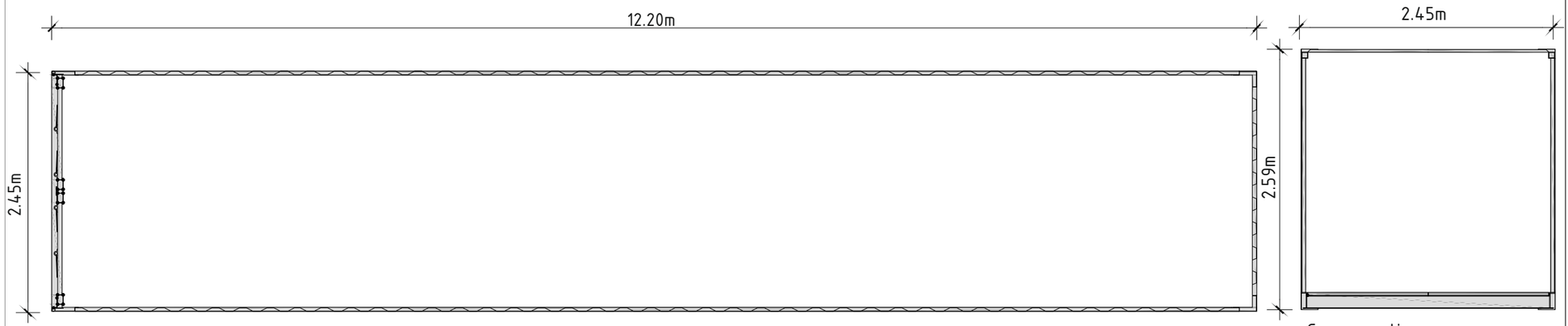
June 2022



Roof top

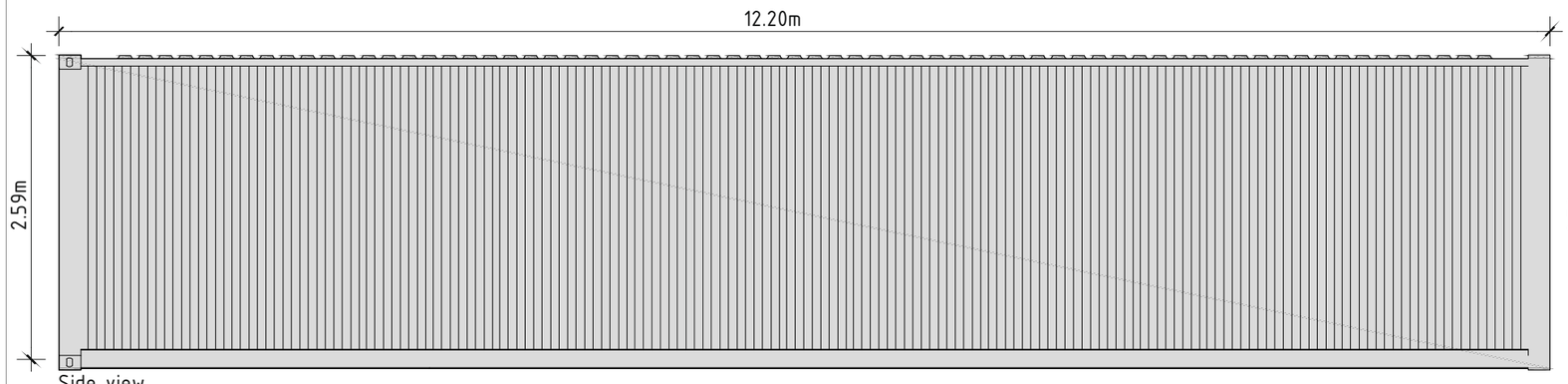


Front view

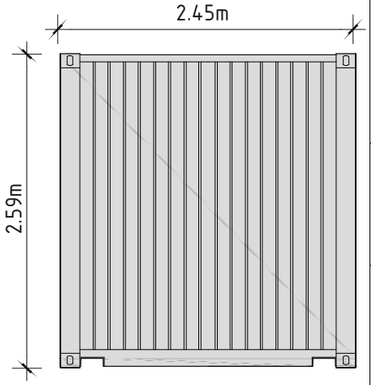


Long Section

Cross section



Side view



Back view

Notes:
Proposed general arrangements for temporary ISO storage containers for construction.
Details are representative; final type/dimensions subject to appointment of contractor.
Length: 12.20m
Width: 2.45m
Height: 2.59m
Capacity (internal): c.76.3m3
Colour: subject availability

.

0 1 2 3m

Scale at A3: 1:50

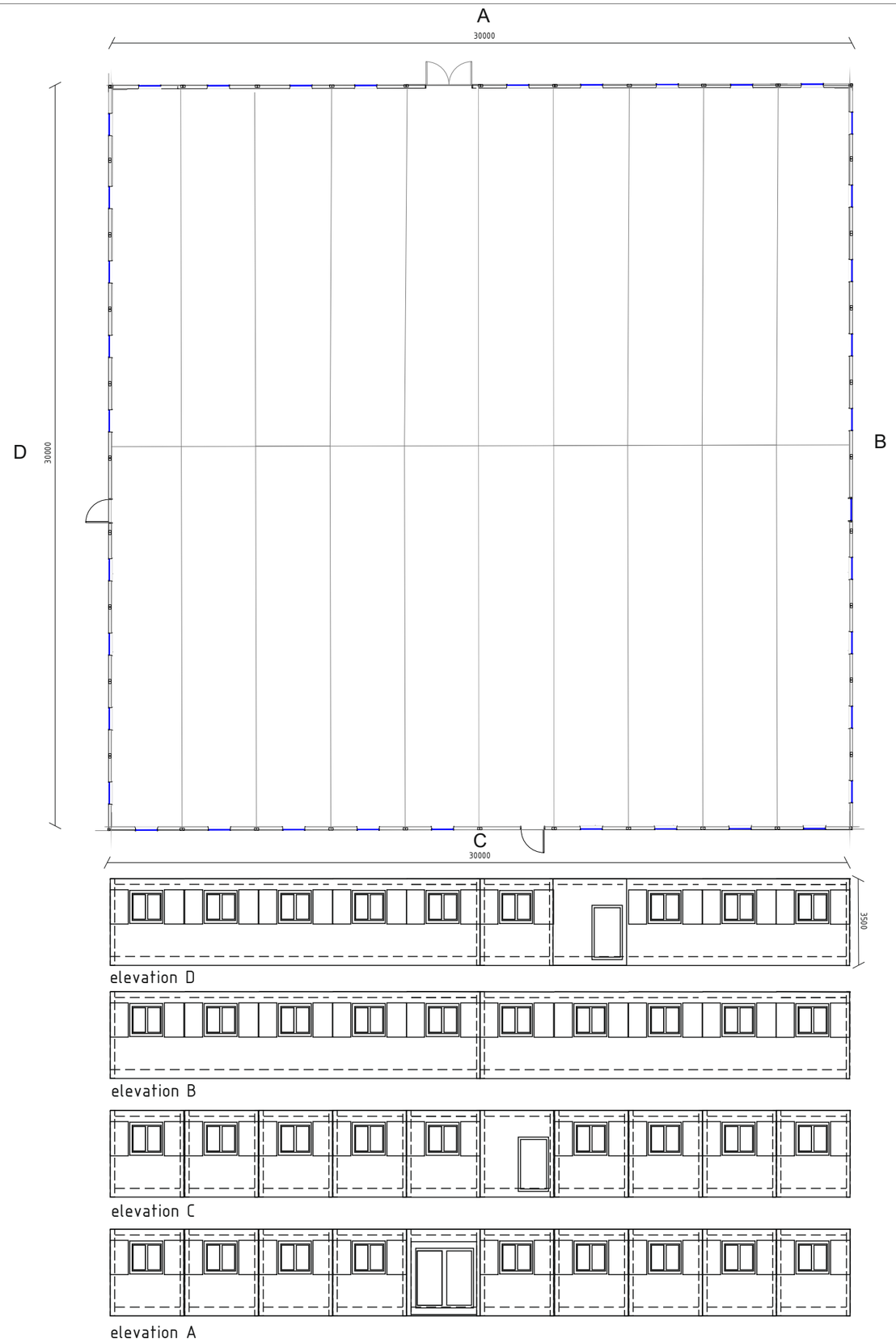
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.21ii
Temporary ISO storage container (12m)

June 2022

wood.



Notes:
Proposed general arrangements for mess and welfare building
Details are representative; dimensions Subject to appointment of contractor.
Colour: grey/white subject to availability

0 2 4 6 8 10m

Scale at A3: 1:200

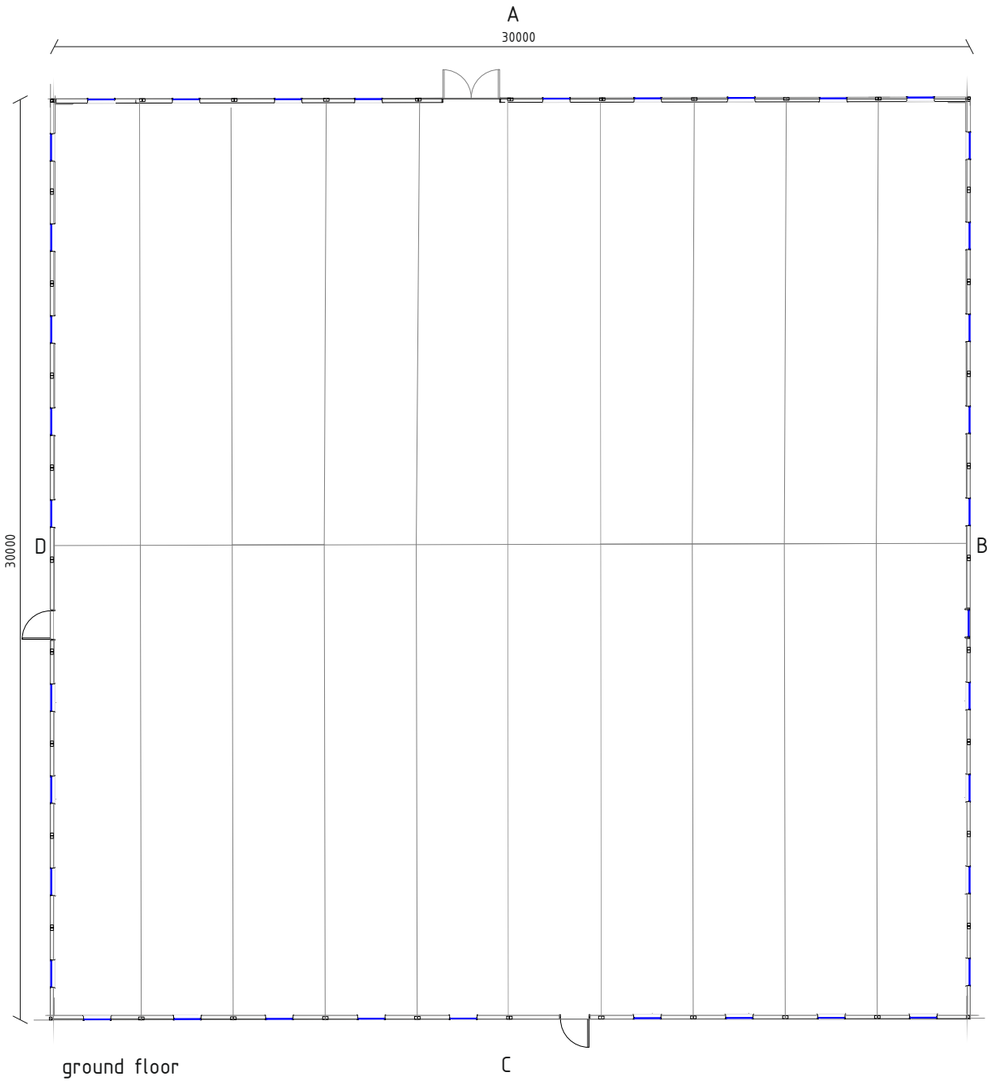
Client

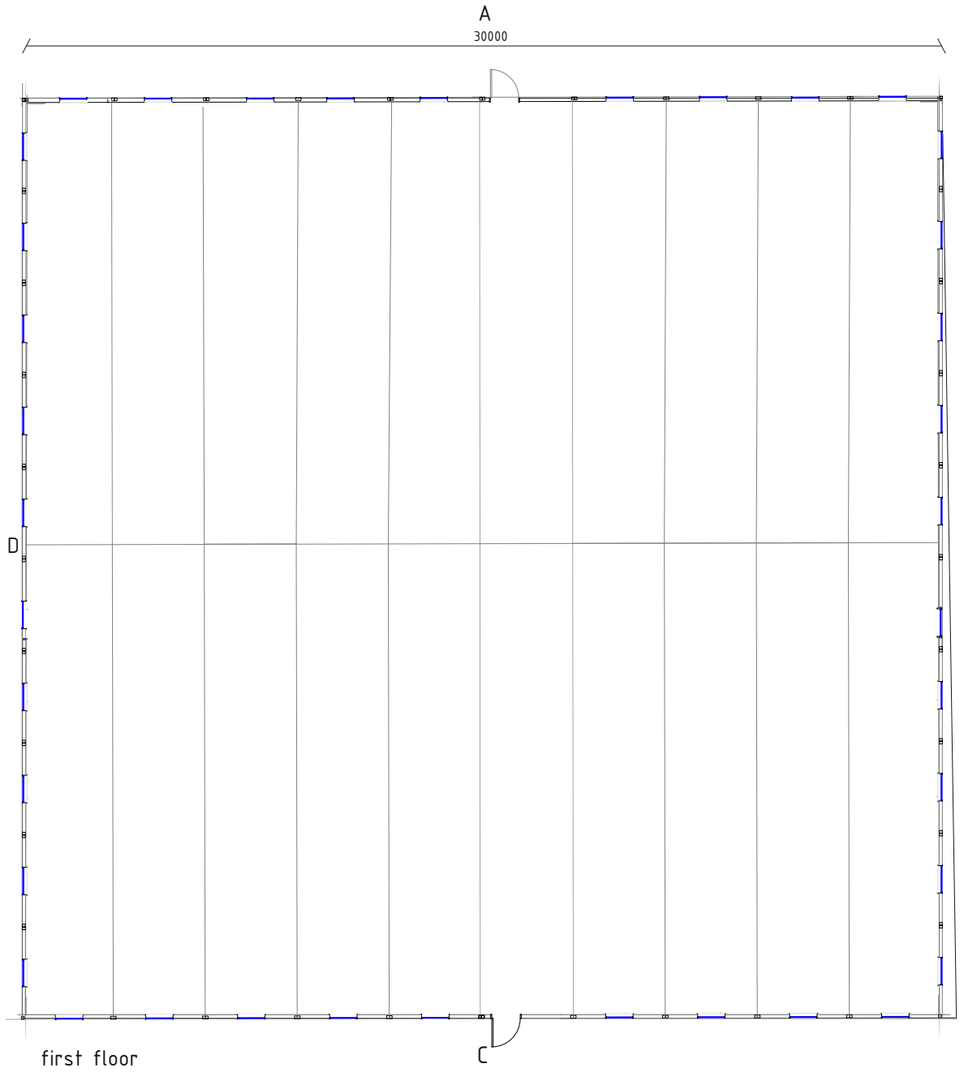
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.22i
Temporary mess and welfare cabins and site offices (layout and elevation option 1)

June 2022

wood.





Notes:
Proposed general arrangements for office building
Details are representative; dimensions subject to agreement with contractor .
Colour: grey/white subject to availability

0 2 4 6 8 10m

Scale at A3: 1:200

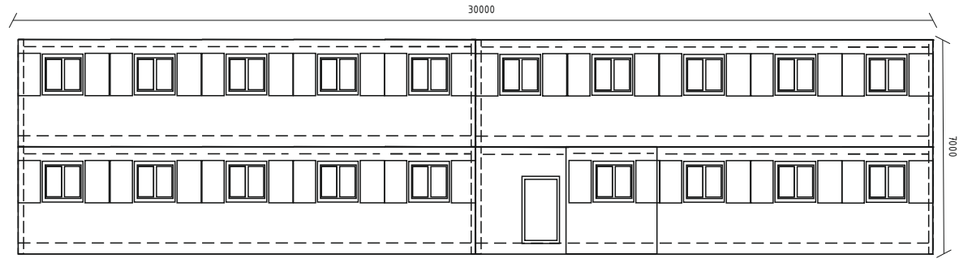
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

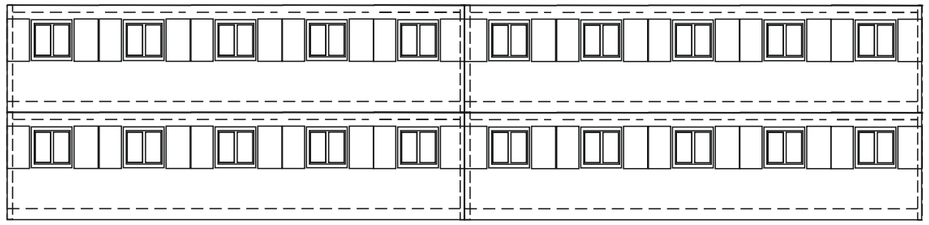
Figure 3.22ii
Temporary mess and welfare cabins and site offices (layout option 2)

June 2022

wood.



elevation D



elevation B

elevation C

elevation A

Notes:
Proposed general arrangements for office building
Details are representative; dimensions subject to agreement with contractor.
Colour: grey/white subject to availability

0 2 4 6 8 10m

Scale at A3: 1:200

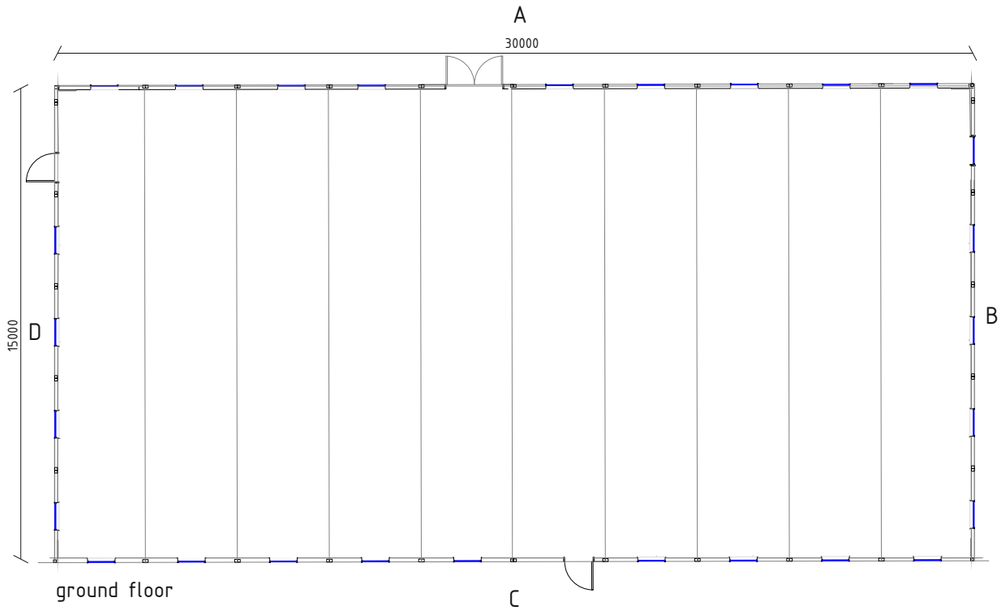
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

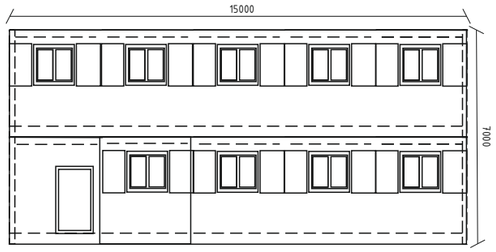
Figure 3.22iii
Temporary mess and welfare cabins and site offices (elevation option 3)

June 2022

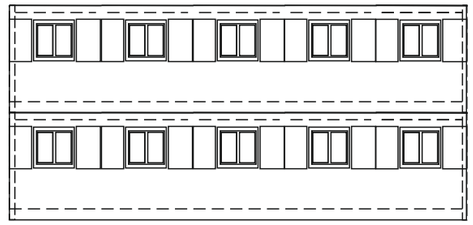
wood.



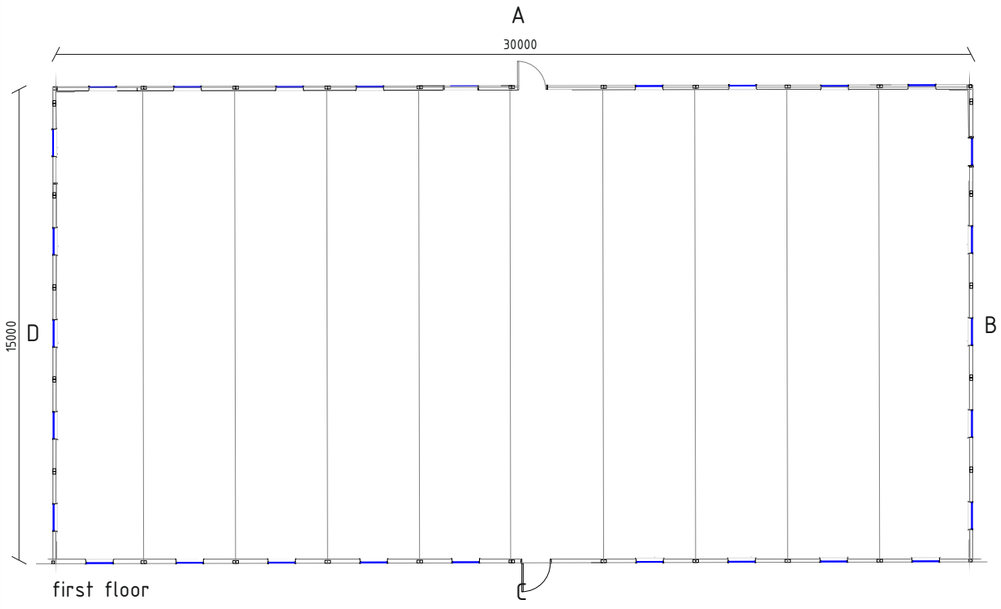
ground floor



elevation D



elevation B



first floor

elevation C

elevation A

Notes:
Proposed general arrangements for office building
Details are representative; dimensions subject to agreement with contractor.
Colour: grey/white subject to availability

0 2 4 6 8 10m

Scale at A3: 1:200

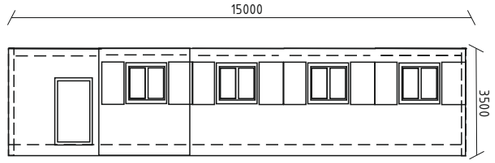
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

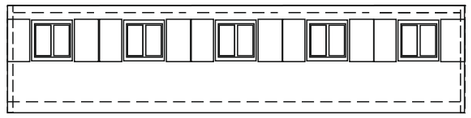
Figure 3.22iv
Temporary mess and welfare cabins and site offices (layout and elevation option 3)

June 2022

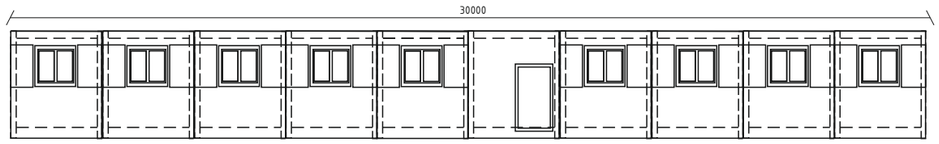
wood.



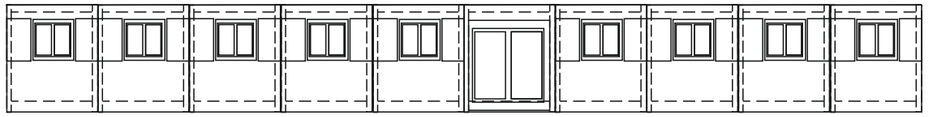
elevation D



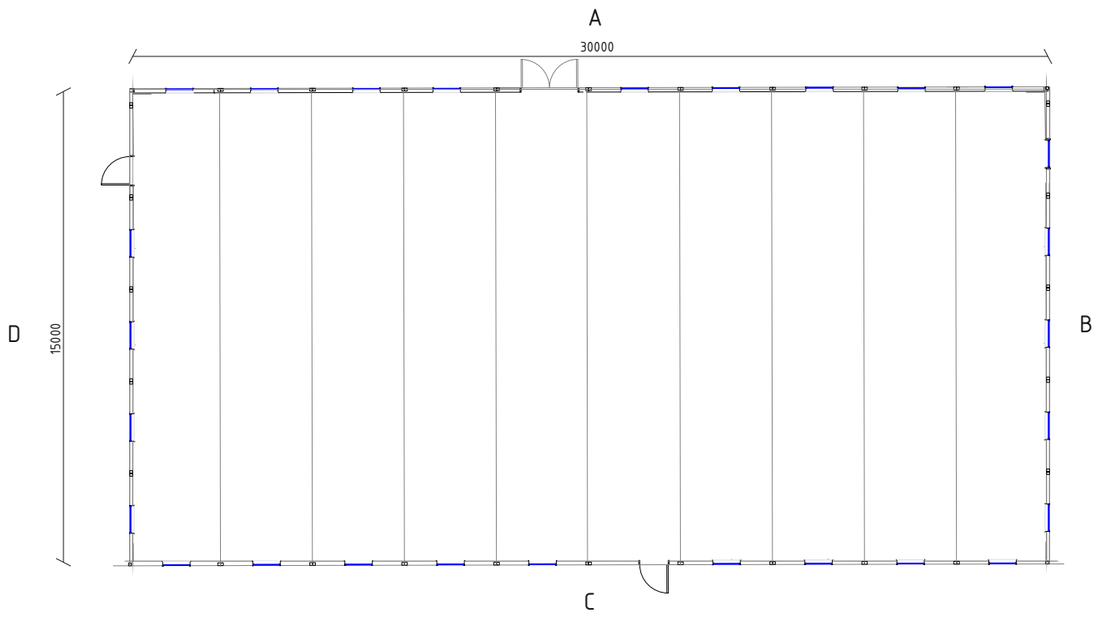
elevation B



elevation C



elevation A



Notes:
Proposed general arrangements for office building
Details are representative; dimensions subject to agreement with contractor.
Colour: grey/white subject to availability

0 2 4 6 8 10m

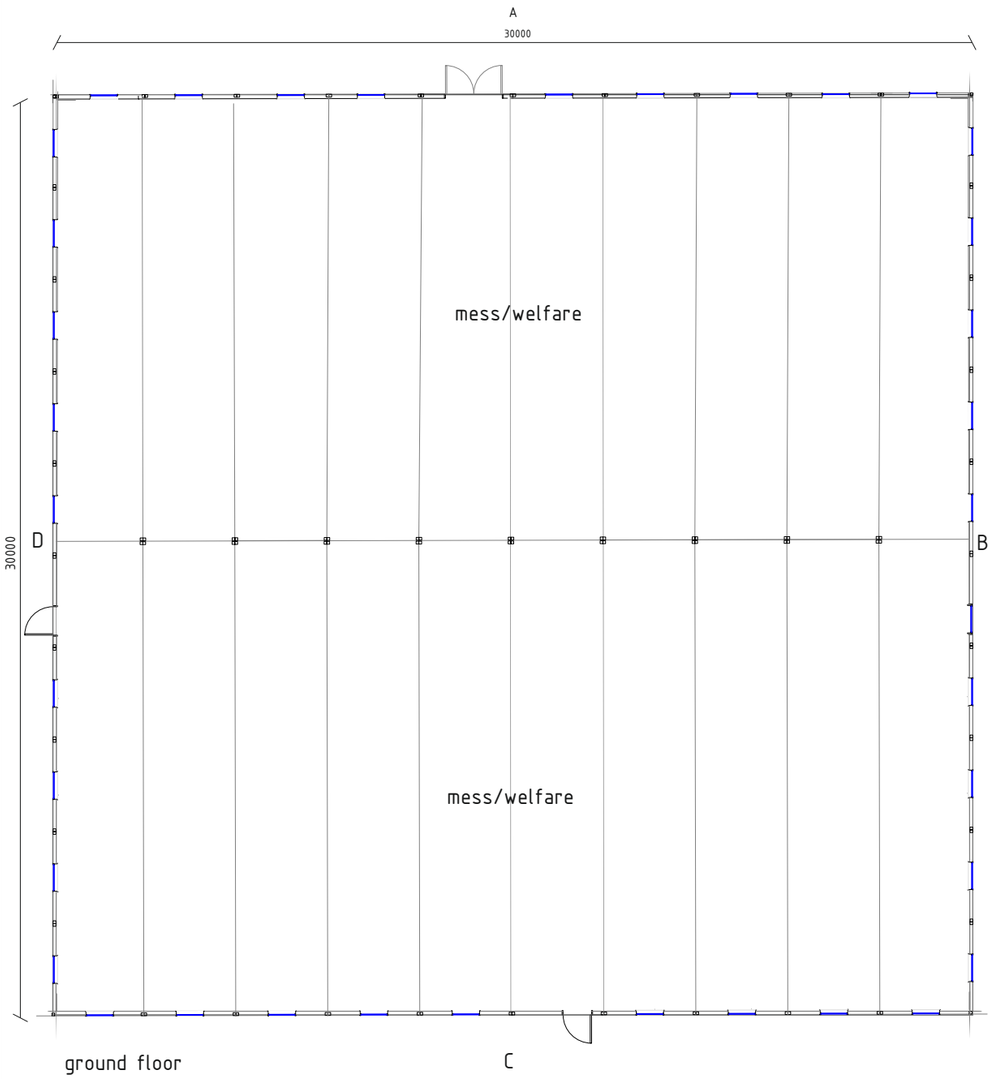
Scale at A3: 1:200

Client

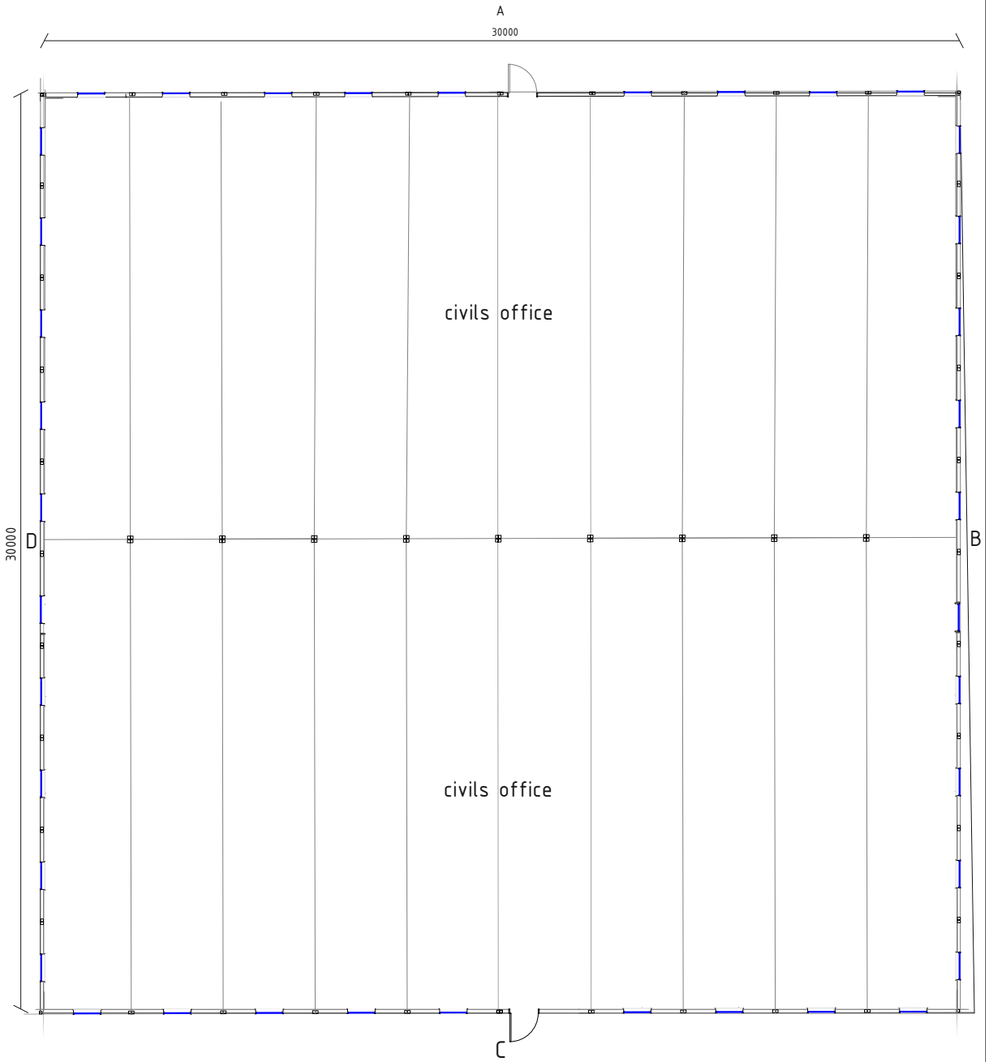
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.22v
Temporary mess and welfare cabins and site offices (layout and elevation option 4)

June 2022



ground floor



first floor

Notes:
Proposed general arrangements for two storey mess/welare and civils office building
Details are representative; dimensions subject to agreement with contractor .
Colour: grey/white subject to availability

0 2 4 6 8 10m

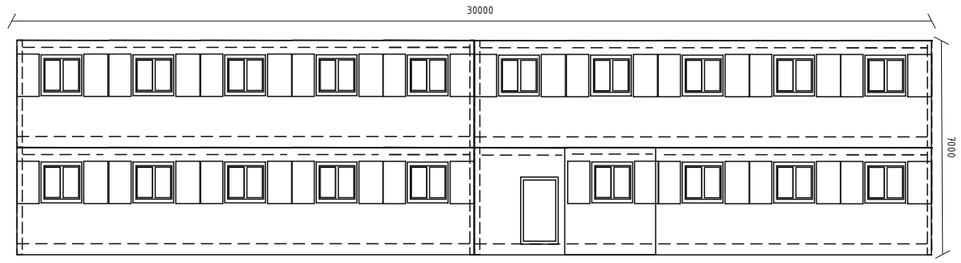
Scale at A3: 1:200

Client

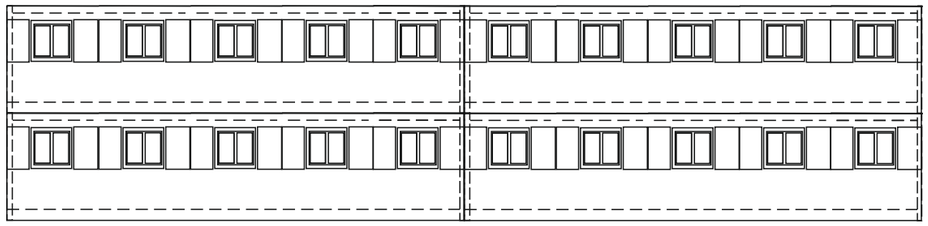
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development
Figure 3.22vi
Temporary mess and welfare cabins and site offices (layout option 5)

June 2022

wood.



elevation D



elevation B

elevation C

elevation A

Notes:
Proposed general arrangements for two storey mess/welare and civils office building
Details are representative; dimensions subject to agreement with contractor.
Colour: grey/white subject to availability

0 2 4 6 8 10m

Scale at A3: 1:200

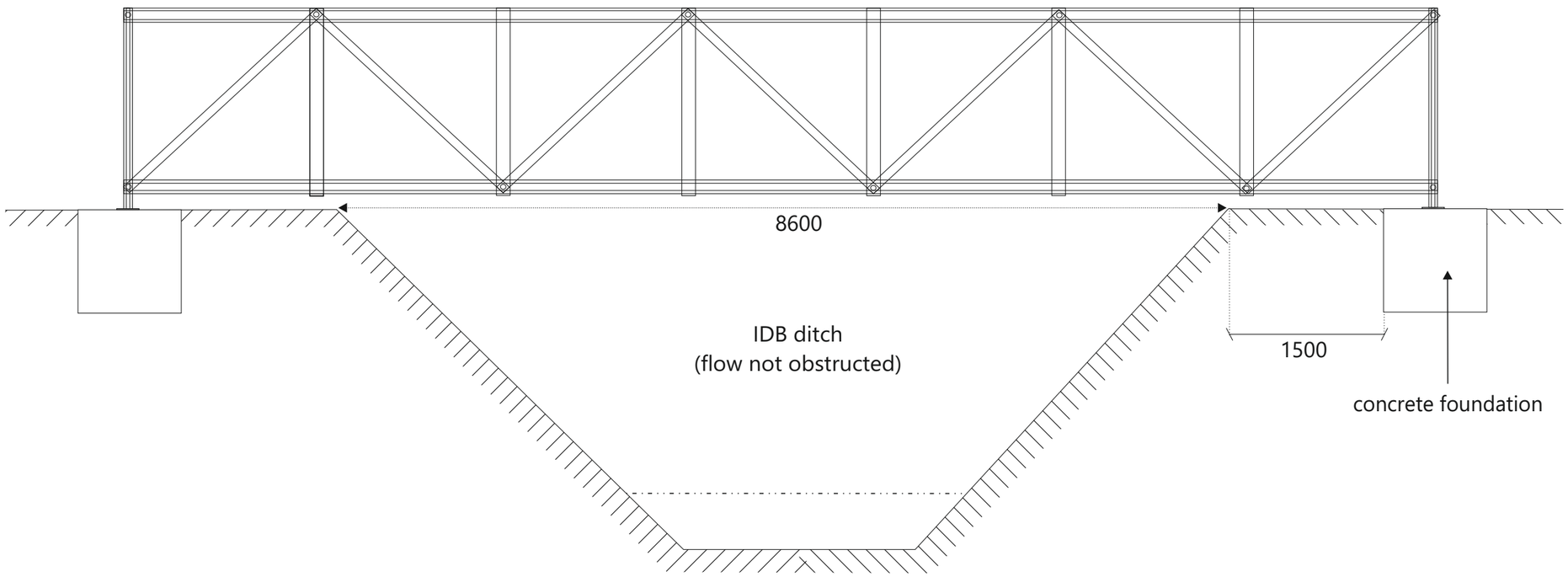
Client

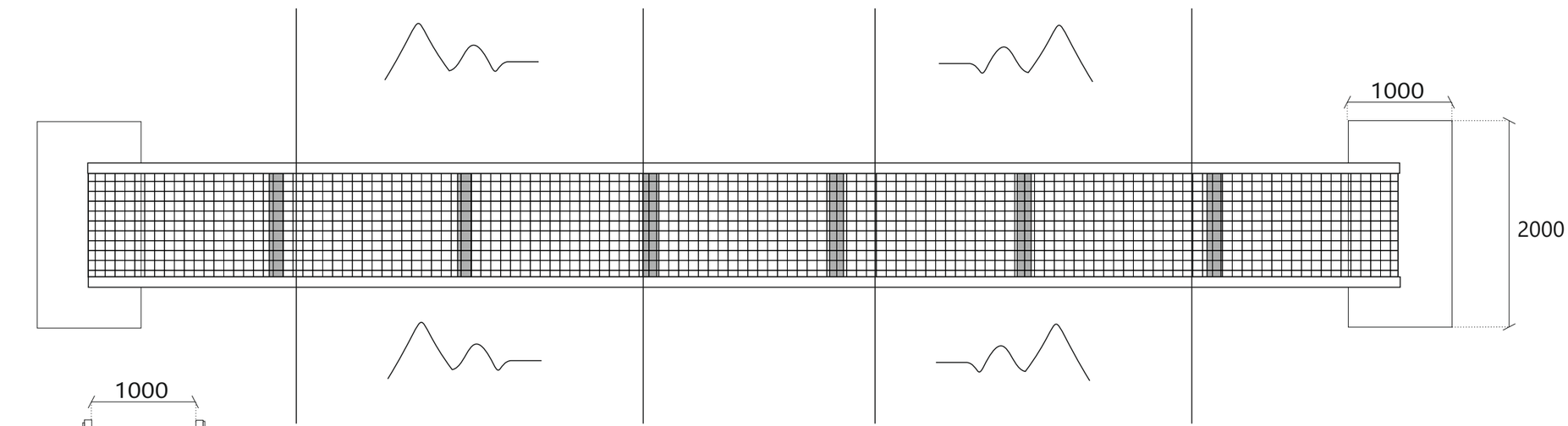
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

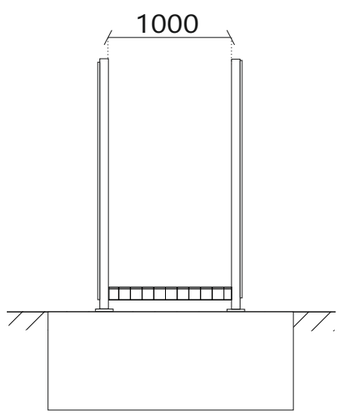
Figure 3.22vii
Temporary mess and welfare cabins and site offices (elevation option 5)

June 2022

wood.







Notes:
Proposed general arrangements for temporary pedestrian bridge(s). Details are representative. Subject to appointment of contractor.

General Design Parameters: (measurements in mm)
- Galvanised steel open mesh pedestrian bridge
- Rail height 1100
- Walkway width 1000
- Concrete foundation set-back 1500 from ditch bank
- No obstructions within ditch, flow/capacity maintained
- Post construction the bridge/foundations are removed and the land reinstated

Scale at A3: 1:50

Client

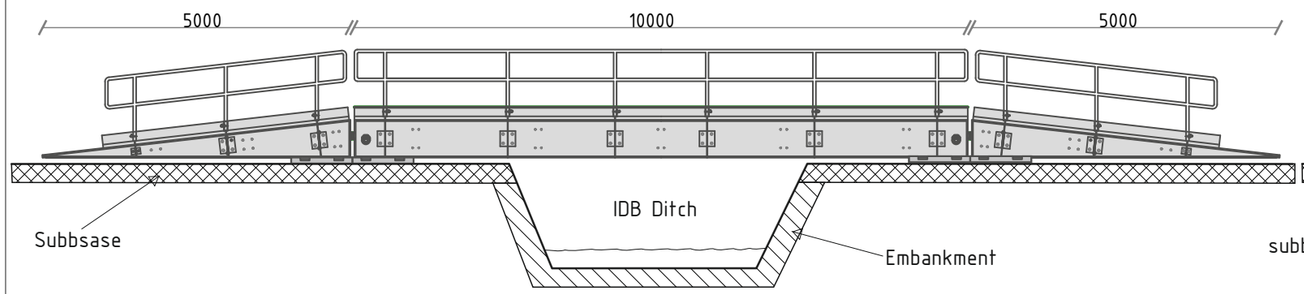
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.23i
Temporary pedestrian bridge (illustrative design 1)

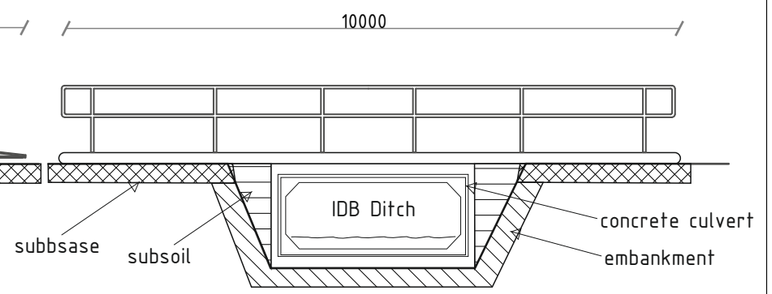
June 2022

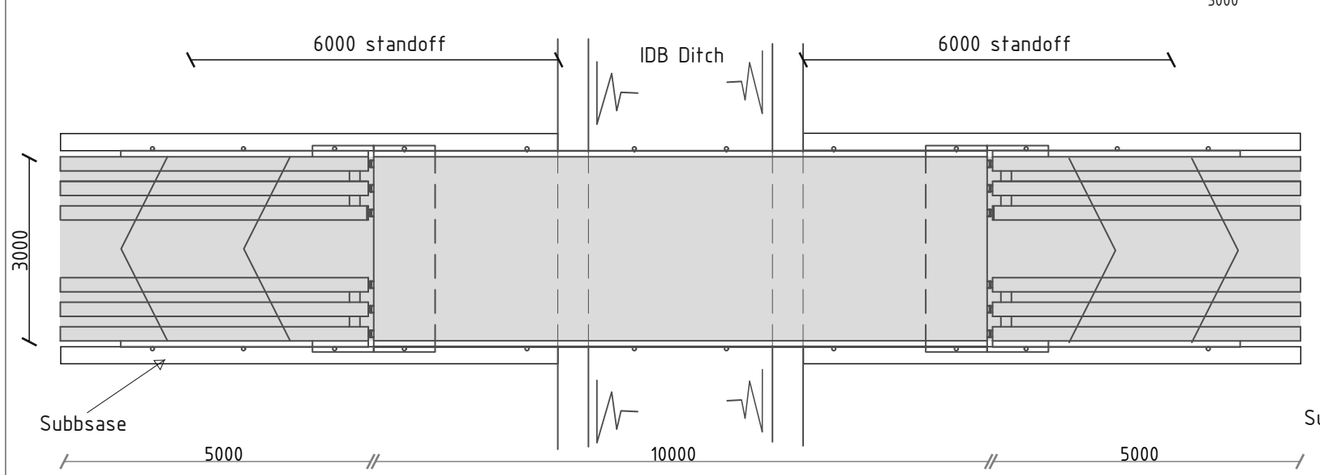
wood.

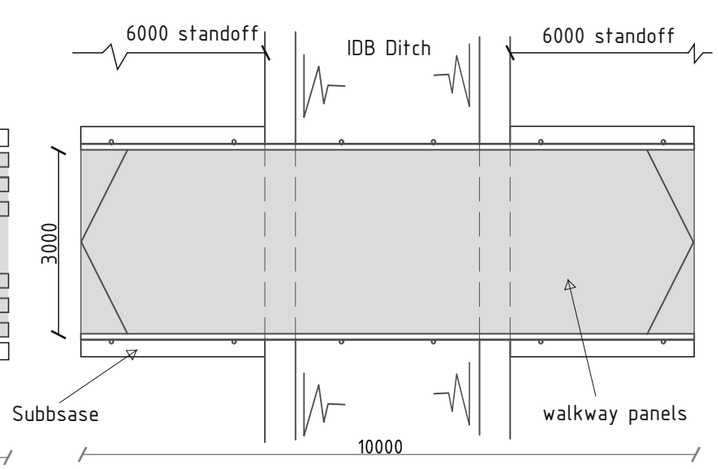
Bridge general arrangements - 3m width example

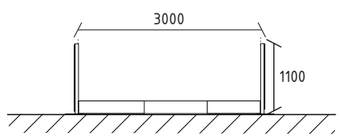


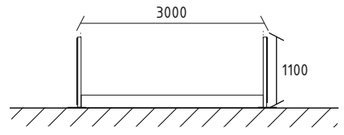
Culvert general arrangements - 3m width example











Notes:
Proposed general arrangements for temporary pedestrian bridge(s). Details are representative. Subject to appointment of contractor.

.

General Design Parameters: (measurements in mm)
- Galvanised steel open mesh pedestrian bridge
- Rail height 1100
- Walkway width up to 3000
- temporary pad foundations
- No obstructions within ditch, flow/capacity maintained
- Post construction the bridge is removed and the land reinstated

0 1 2 3 4 5m

Scale at A3: 1:100

Client

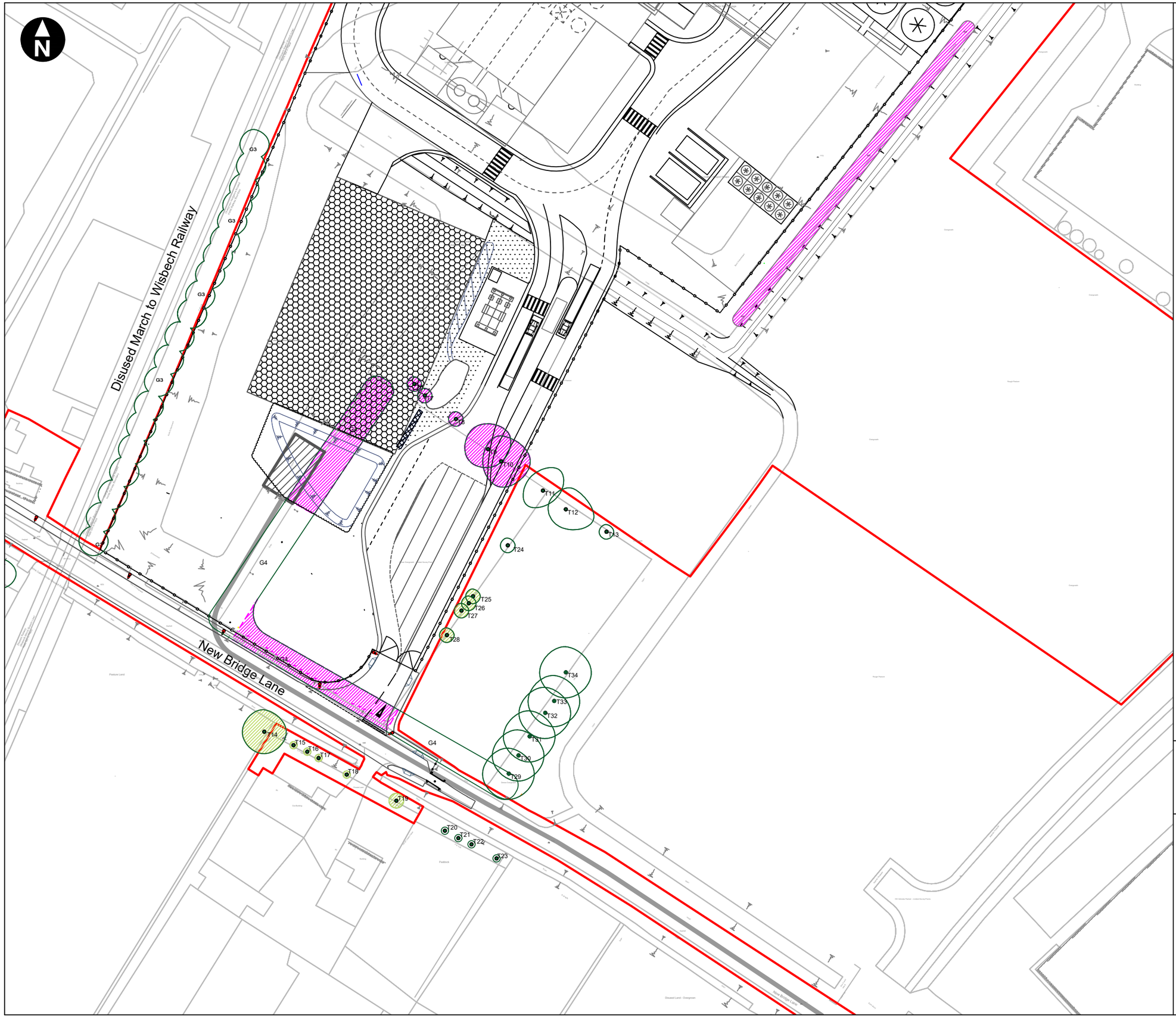
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.23ii
Temporary pedestrian bridge (illustrative design 2)

June 2022

wood.

H:\SAL-FS12-SHARED\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Drawings\Trees to be removed plans\41310-WOOD-XX-XX-FG-L-0072_S0_P01 .dwg Originator: ADAM.GUY



Key

- Order limit
- Trees and hedges to be removed
- Trees with the potential to be affected
- Trees surveyed which would be unaffected (T31)

0 m 40 m

Scale 1:750 @ A3

Client

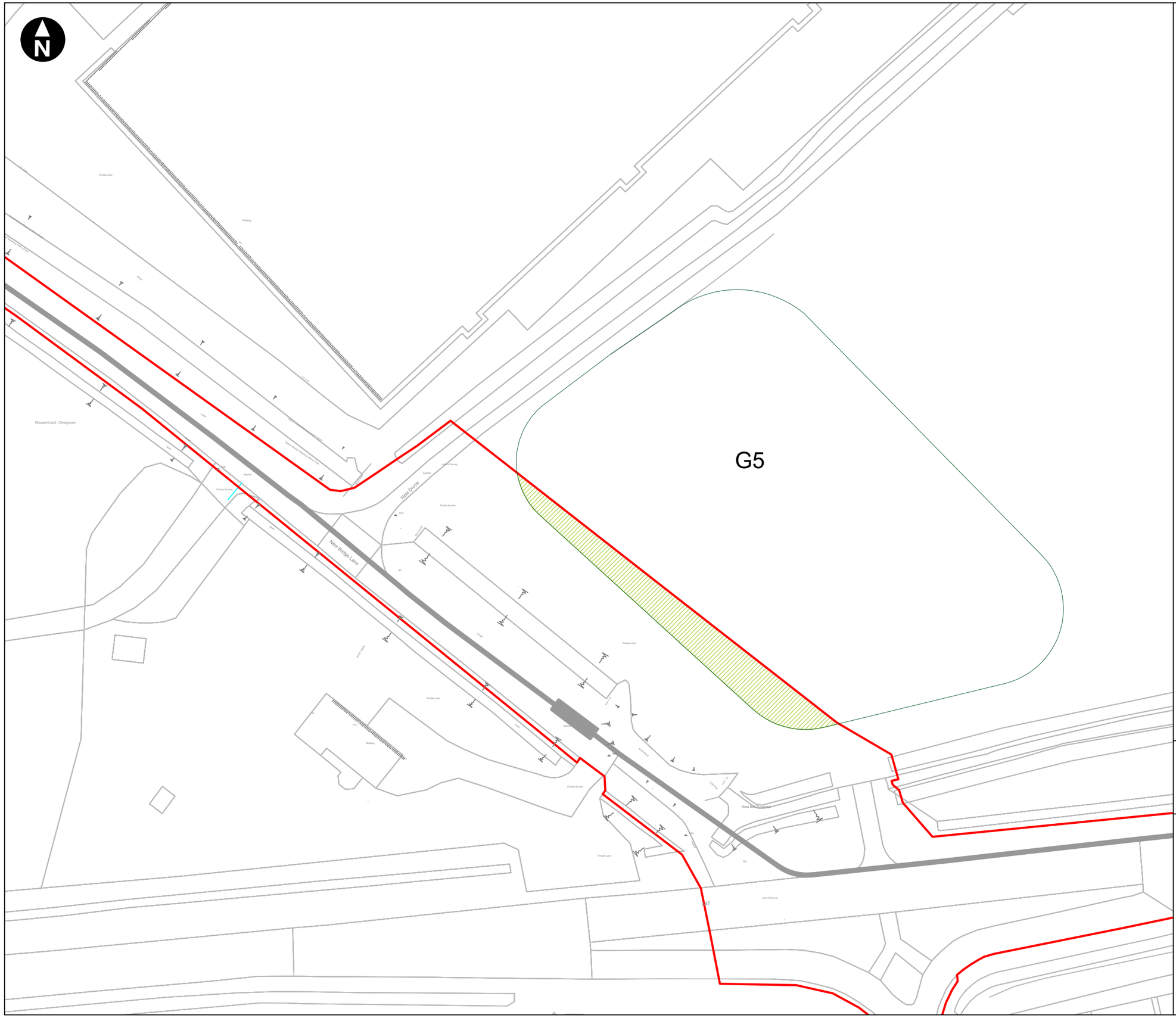
Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.24i
Trees and hedges to be removed or potentially affected

June 2022

41310-WOOD-XX-XX-FG-L-0072_S0_P01

H:\SAL-FS12-SHARED\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Drawings\Trees to be removed plans\41310-WOOD-XX-XX-FG-L-0072_S0_P01 .dwg Originator: ADAM.GUY



Key

- Order limit
- Trees and hedges to be removed
- Trees with the potential to be affected
- T31 Trees surveyed which would be unaffected

0 m 30 m

Scale 1:500 @ A3

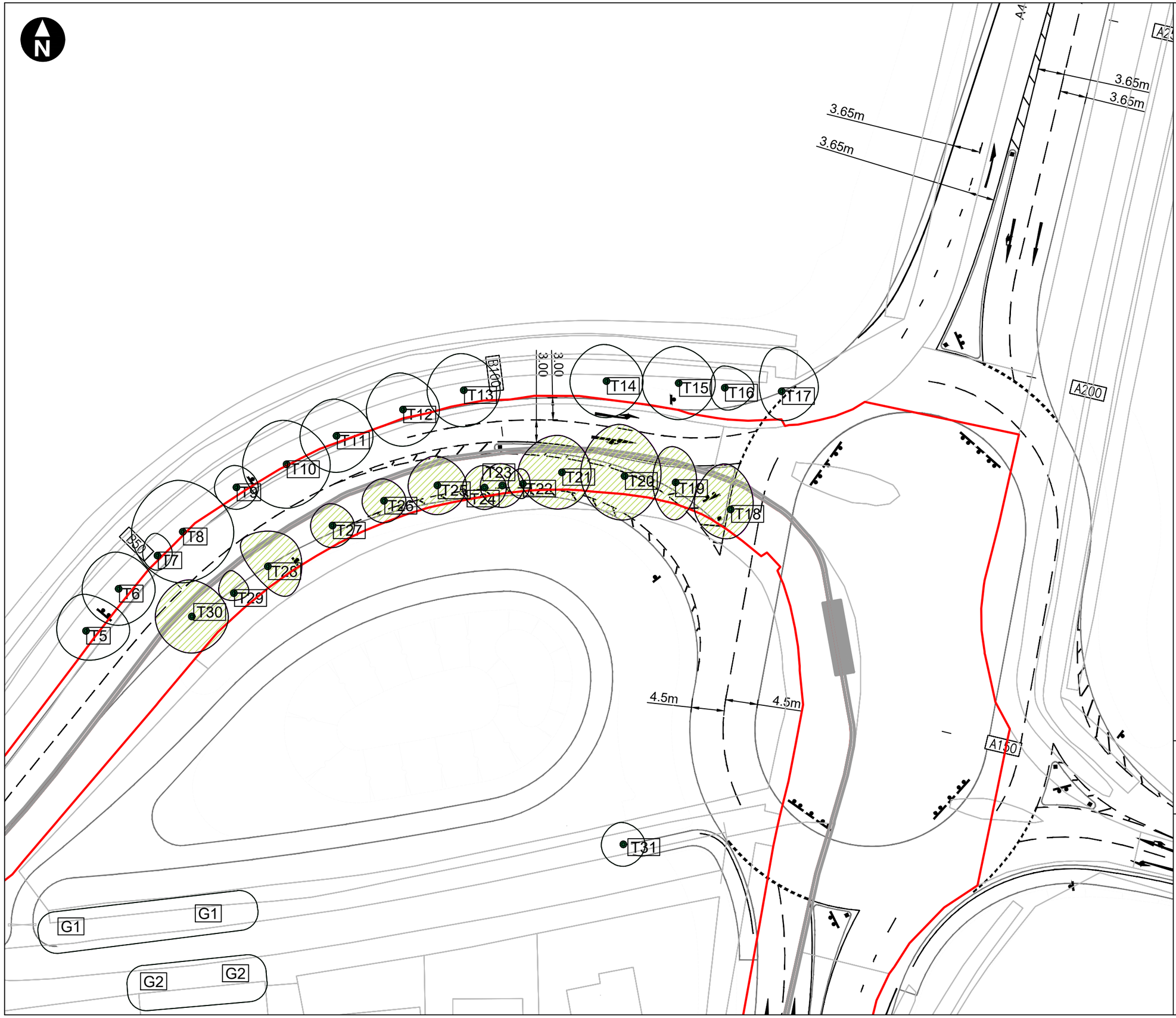
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.24ii
Trees and hedges to be removed or potentially affected

June 2022

41310-WOOD-XX-XX-FG-L-0072_S0_P01



Key

- Order limit
- Trees with the potential to be affected
- T31 Trees surveyed which would be unaffected

NOTE: Trees T18-T31 would be removed as part of the CCC's proposals for the Broadend Road junction with the A47.

0 m 30 m

Scale 1:500 @ A3

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

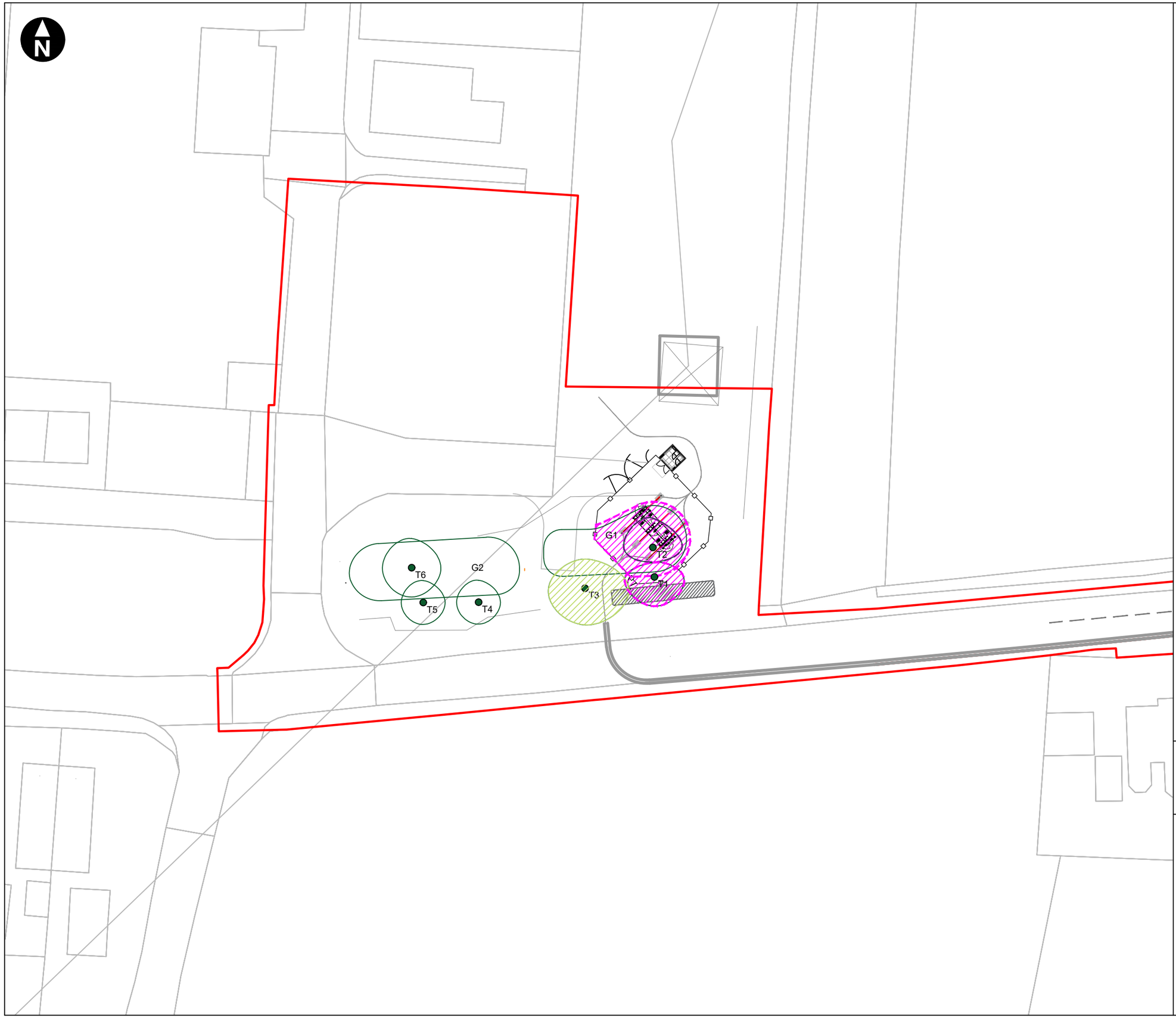
Figure 3.24iii
Trees and hedges to be removed or potentially affected

June 2022

wood.

41310-WOOD-XX-XX-FG-L-0072_S0_P01

H:\SAL-FS12-SHARED\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Drawings\Trees to be removed plans\41310-WOOD-XX-XX-FG-L-0072_S0_P01 .dwg Originator: ADAM.GUY



Key

- Order limit
- Trees and hedges to be removed
- Trees with the potential to be affected
- T31 Trees surveyed which would be unaffected

0 m 30 m

Scale 1:500 @ A3

Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.24iv
Trees and hedges to be removed or potentially affected

June 2022

wood.

41310-WOOD-XX-XX-FG-L-0072_S0_P01

H:\SAL-FS12-SHARED\Projects\41310 Wisbech\Deliver Stage\D Design_Technical\Drawings\Trees to be removed plans\41310-WOOD-XX-XX-FG-L-0072_S0_P01 .dwg Originator: ADAM.GUY

Key:

- Order limits
- Water Connections Limits of Deviation
- POC — Water Connections (potable) point of connection
- High Pressure (HP) gas main (approx. location)

CONSTRUCTION TECHNIQUE

Water Connections
- 1) Horizontal Directional Drill
- 2) Open cut

GRID CONNECTION
- Open cut
- Joint bay

Notes:
Proposed general arrangements for the Water Connections(potable) options. Subject to detailed design and agreement with Stakeholders.

1) Horizontal Directional Drill (HDD) under A47. 2 x 225mm HPPE pipe. HDD drill shot under IDB Drain (c.2m below) and A47 (c.4m below ground level).

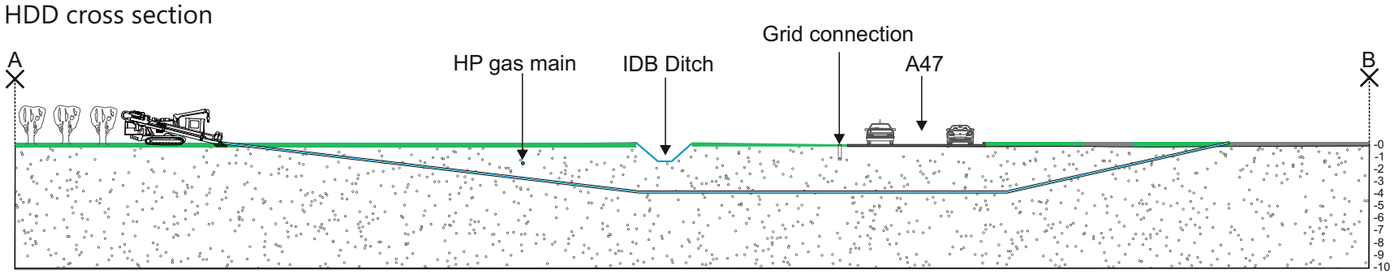
2) Open cut across the A47. 2 x 225mm HPPE pipe at a depth of c.1.6m. Subject to night time single lane road closure, to be undertaken during the Grid Connection construction works programme.

Traffic management to be agreed with National Highways and the Highways Authority. During temporary construction works, access to the New Bridge Lane Traveller Site and 'Potty Plants' shall be managed and maintained.

0 25 50

Scale at A3: 1:500

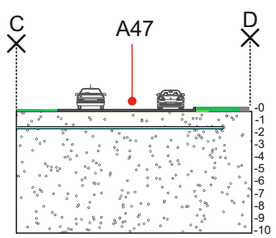
HDD cross section



0 25 50

Scale at A3: 1:250

Open cut cross section



Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.25
Water Connections (potable)

June 2022

wood.

South-West Elevation

North-West Elevation

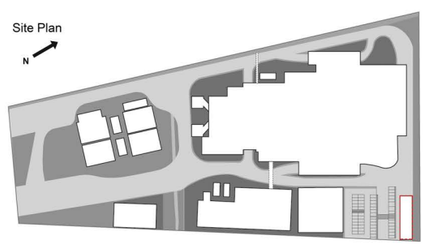
South-West Elevation

South-East Elevation

View from the carpark

View from Algores Way

Site Plan



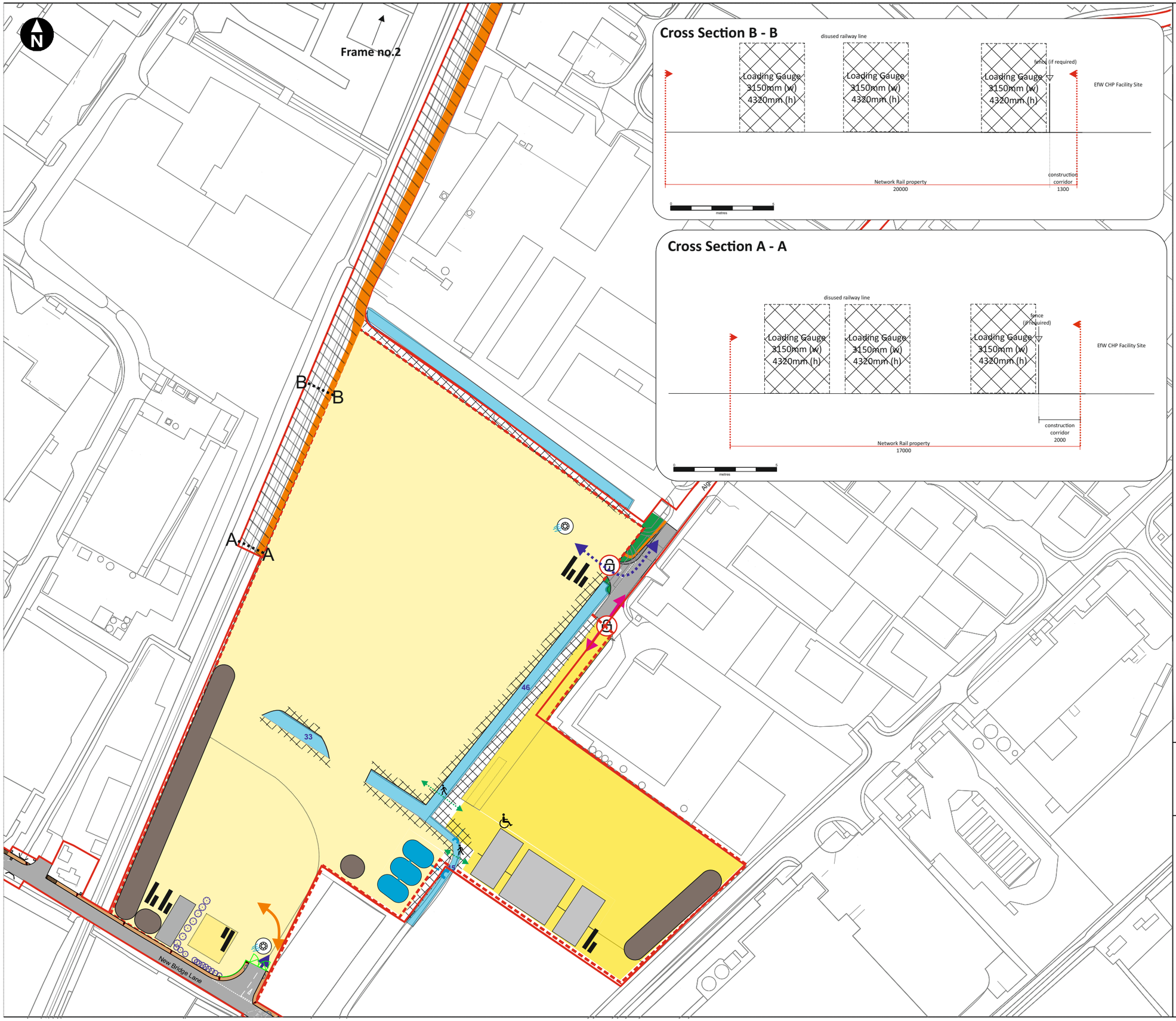
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility DCO
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.26
Administration building elevations

June 2022

41310-Shr544



Key:

- Order limits
- CHP Connection Limits of Deviation. See Note (1)
- Construction corridor for CHP Connection.

Notes:
(1) Limits of Deviation for the placement of the CHP Connection within Network Rail and Nestlé Purina land.

0 25 50 75 100

Scale: 1:2000 at A3

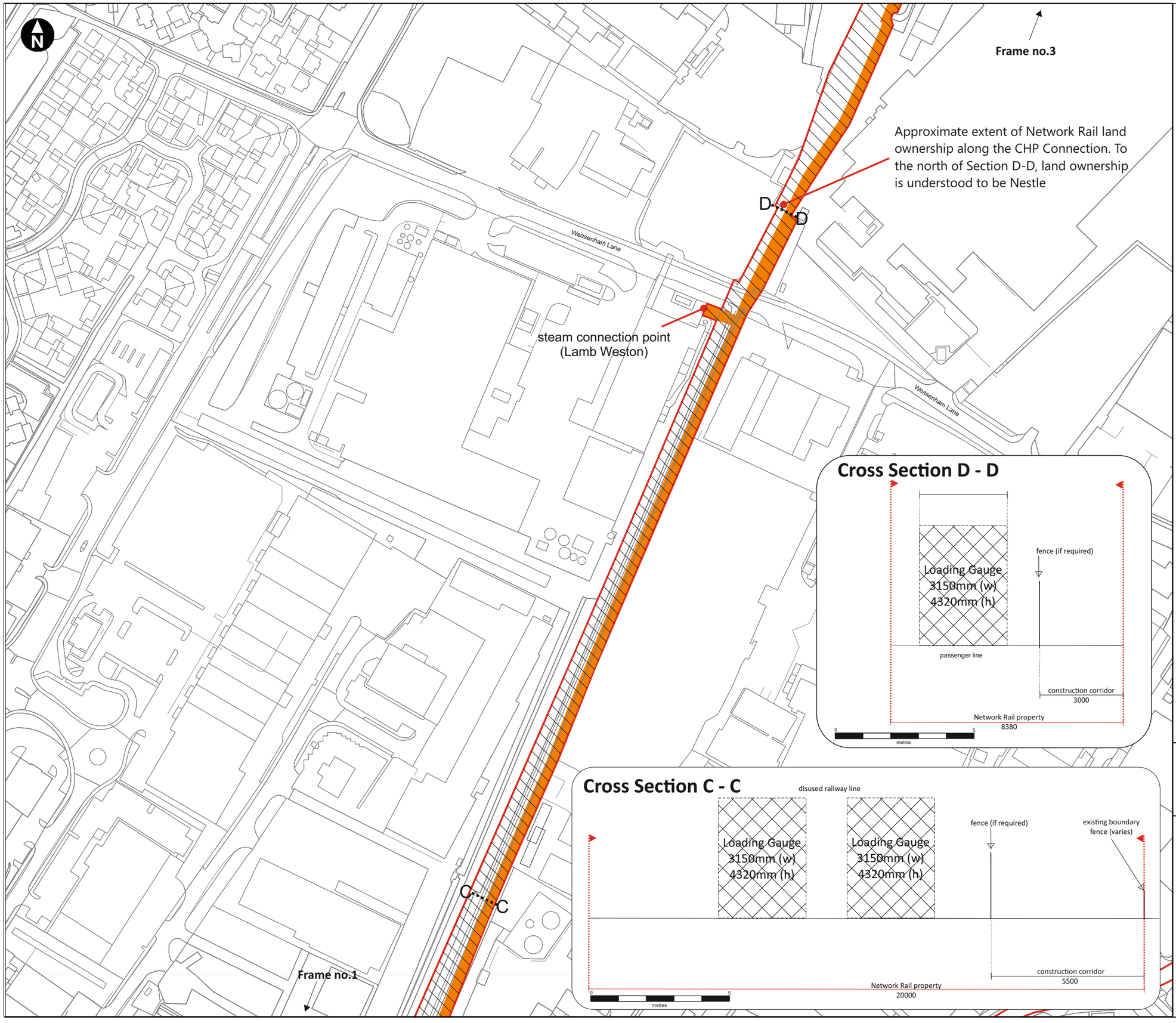
Client

Medworth CHP Limited
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.27
CHP Connection Construction Limits of Deviation (Frame 1)

June 2022

wood.



Key:

- Order limits
- CHP Connection Limits of Deviation. See Note (1)
- Construction corridor for CHP Connection.

Notes:
(1) Limits of Deviation for the placement of the CHP Connection within Network Rail and Nestlé Purina land.

0 25 50 75 100

Scale: 1:2000 at A3

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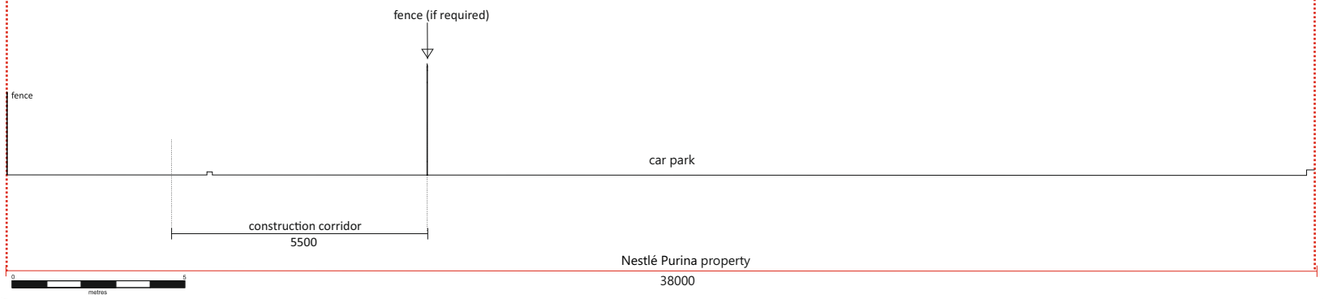
Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.27
CHP Connection Construction Limits of Deviation (Frame 2)

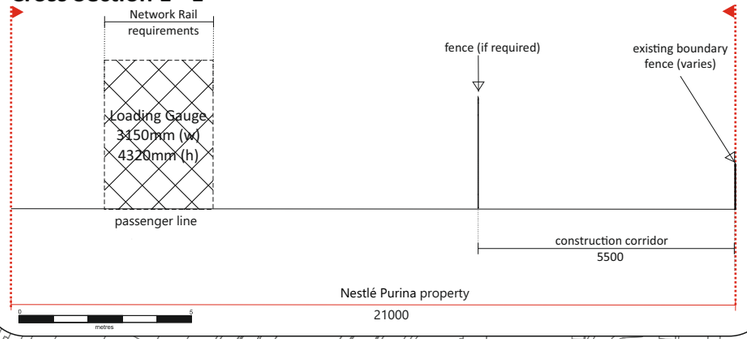
June 2022

wood.

Cross Section F - F



Cross Section E - E



Key:

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0 25 50 75 100

Scale: 1:2000 at A3

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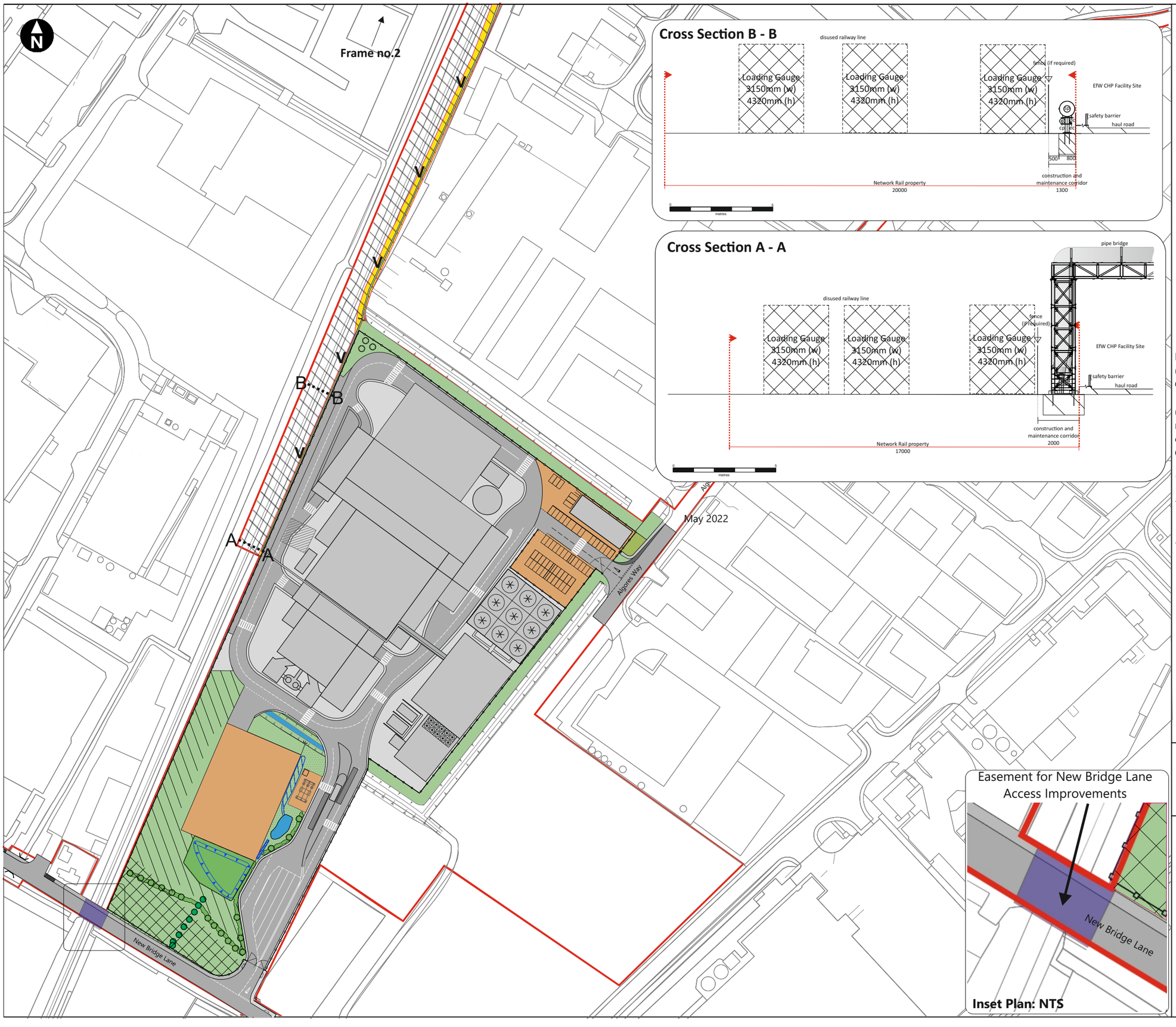
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.27
CHP Connection Construction Limits of Deviation (Frame 3)

June 2022

wood.



Cross Section B - B

Cross Section A - A

Key:

- Order limits
- CHP Connection Limits of Deviation See Note (1)
- Easement for CHP Connection See Note (2)
- Easement for New Bridge Lane Access Improvements
- CHP Connection proposed alignment
- V — Vertical expansion loop (50m to 60m internals)
- Bellows expansion (circa 10m intervals)
- Pipe bridge
- Potential Rail siding unloading area
- Rail bridge embankment (by others) reservation area

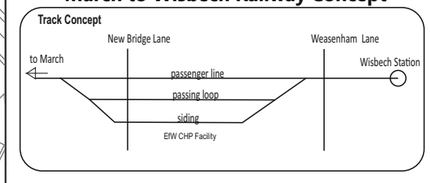
Notes:

(1) Limits of Deviation for the placement of the CHP Connection within Network Rail land

(2) Permanent easement required for operation and maintenance of the CHP Connection pipeline (c.4m corridor width except for land adjacent to the EfW CHP Facility Site)

(3) Reintroduction of the March to Wisbech rail does not form part of the Proposed Development. However, the Applicant has considered its reintroduction in the general arrangements for the proposed EfW CHP Facility Site and CHP Connection; including the ability to import waste by rail.

March to Wisbech Railway Concept



0 25 50 75 100

Scale at A3: 1:2000

Easement for New Bridge Lane Access Improvements

Inset Plan: NTS

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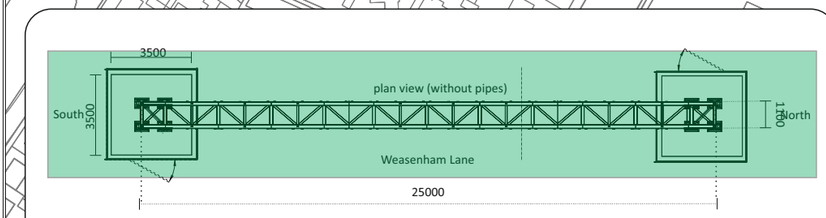
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.28
CHP Connection Operational Limits of Deviation General Arrangements (Frame 1)

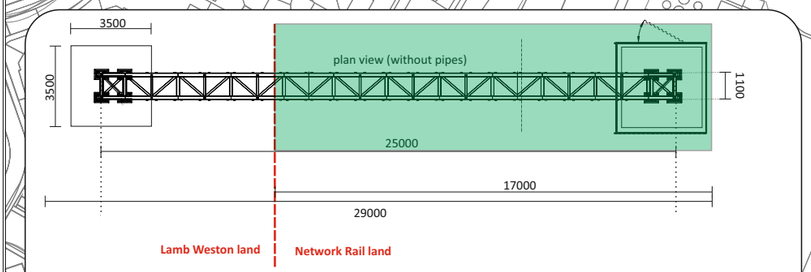
June 2022

wood.



Plan view of Weasenham Lane (WL) CHP pipe bridge and maintenance area (green)

0 5 10 15 20 25



Note: in the event the rail line is reopened prior to construction of the CHP Connection to Lamb Weston, to minimise disruption the bridge lift and placement programme shall be agreed in advance with Network Rail

Plan view of Lamb Weston (LW) CHP pipe bridge and maintenance area (green)

0 5 10 15 20 25

N

Frame no.3

Frame no.1

Approximate extent of Network Rail land ownership along the CHP Connection. To the north of Section D-D, land ownership is understood to be Nestle

Weasenham Lane

steam connection point (Lamb Weston)

WL CHP pipe bridge

LW CHP pipe bridge

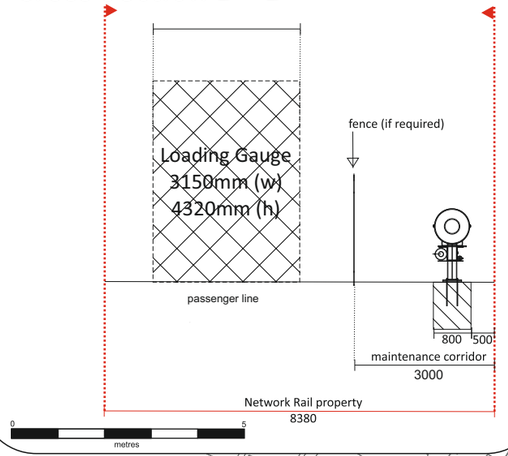
D

D

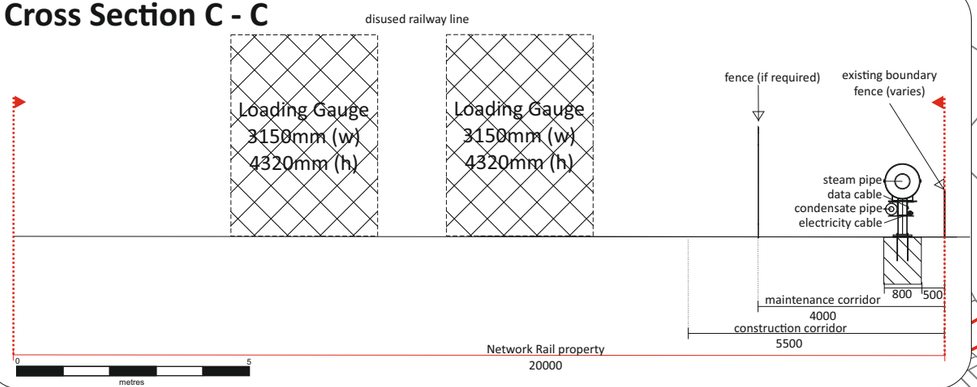
C

C

Cross Section D - D



Cross Section C - C



Key:

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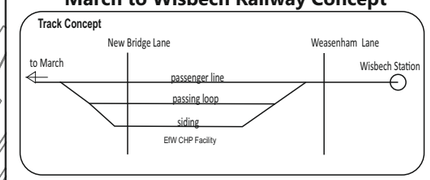

0 25 50 75 100

Scale at A3: 1:2000

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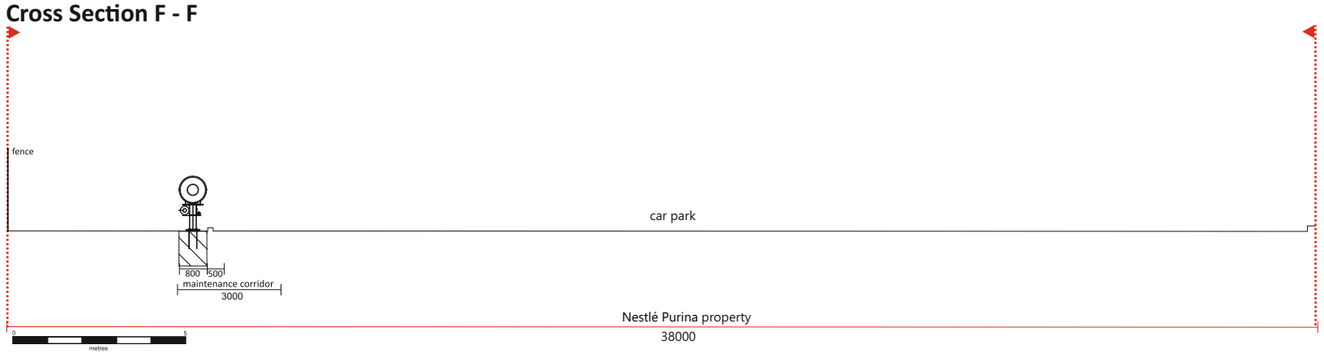
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.28
CHP Connection Operational Limits of Deviation General Arrangements (Frame 2)

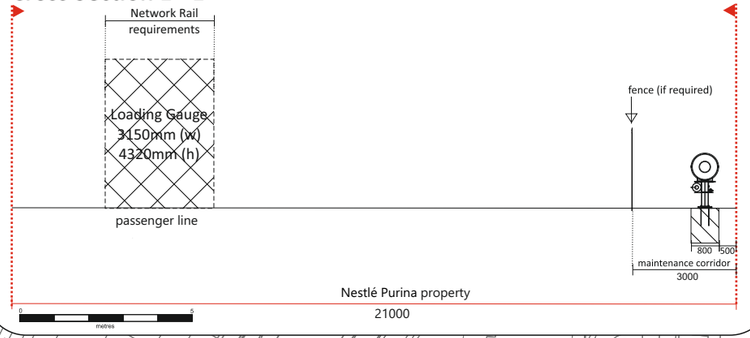
June 2022

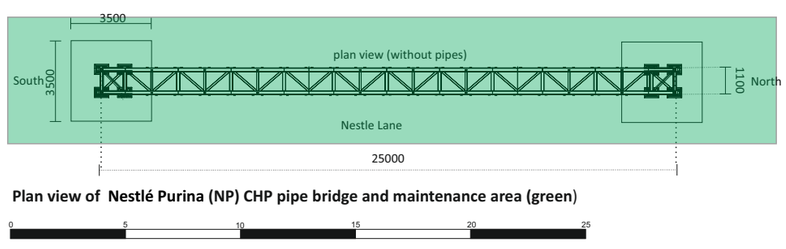
wood.

Cross Section F - F



Cross Section E - E





Plan view of Nestlé Purina (NP) CHP pipe bridge and maintenance area (green)

0 5 10 15 20 25

Steam connection point
(Nestlé Purina)

NP CHP
pipe bridge

F F

E E

Frame no.2

Key:

- Order limits
- CHP Connection Limits of Deviation See Note (1)
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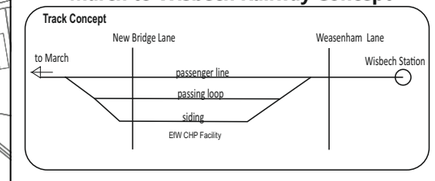

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Scale at A3: 1:2000

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Medworth Energy from Waste Combined Heat and Power Facility
Environmental Statement
Chapter 3 - Description of the Proposed Development

Figure 3.28
CHP Connection Operational Limits of Deviation General Arrangements (Frame 3)

June 2022

wood.

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