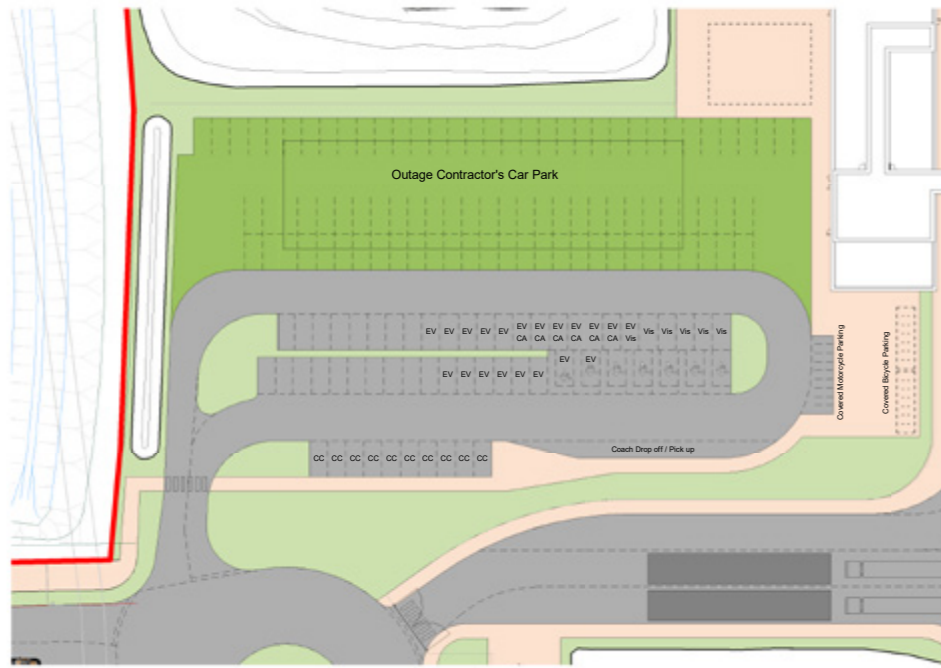


Reserved matters application boundary

0 1,000 m



Contains OS data © Crown copyright and database right 2020.
 Licensed under the Open Government Licence v3.0. Licence No. 100019980.
 Copyright Terence O'Rourke Ltd. 2021



Staff & Visitor Car Park not to scale

Common Legend

1. Electrical & Workshop
2. Tipping Hall
3. Fuel Storage Bunker
4. Boiler House
5. Flue Gas Treatment (FGT) Hall
6. Stack
7. Lime Storage Silos / Dosing *
8. Fire Water Tank & Pumphouse
9. Emergency Diesel Generator (EDG)
10. Vehicle Queuing Bays
11. Air Pollution Control residues (APCr) Storage & Loadout
12. Admin Block - Reception, Offices and Visitors
13. Bottom Ash Storage Hall
14. Air Cooled Condensers (ACC)
15. Turbine Hall
16. CCUS Future Expansion Area A
17. CCUS Future Expansion Area B (or other future provision)
18. Contractors compound for shutdown
19. Combined Heat & Power (CHP) Building
20. Substation/Transformer
21. Demin Water Tank
22. Landscape & Ecology
23. SuDS/Wetland Area
24. Security Control & Driver & Crew Welfare Facility
25. Weighbridge (3 In & 2 Out)
26. Waste Reception Area For Quarantined Waste and Contaminants
27. Staff & Visitor Car Parking
28. Rainwater Pit (roofs)
29. Generator Step-up Transformers
30. Diesel & Ammonia Bund
31. Fin Fan Coolers
32. Laboratory *
33. In/Over Bunker Shredder *
34. Effluent Treatment Pit
35. Recycled Water Tank *
36. Chemical Dosing Skid *
37. Water Treatment Plant
38. Compressed Air Station *
39. Weighbridge Offices / Traffic Control
40. Switchgear Transformer *
41. Feedwater Pumps *
42. CEMS
43. Hot Load Bay
44. Backload Area / Crane Maintenance *
45. Raw water pumps and tank *
46. Oil Tank
47. Crew Parking Bays
48. Outside Staff Area
49. Quarantine Bay *
50. Emergency Access

- EV Electric Vehicle Charging Parking Space
- CA Contract Authority Parking Space
- CC Car Club Parking Space
- Vis Visitor Car Parking

- Reserved Matters Boundary
- Outline Planning Boundary

- Gravel
- Grass
- Grasscrete
- Tarmac
- Concrete
- Paved Footpath

Site Area: 88,180m² / (21.79 acres)
 CCUS Area: 12,000m² / (2.97 acres)
 Landscaping Area: 20,000m² / (4.94 acres)

Note - Items marked * are internal elements, refer to drawing 20-0006 Proposed GA Plan Level 00 for locations



Site Plan



General Notes

Do not scale from this drawing. Only work to written dimensions.

All site dimensions shall be verified by the Contractor on site prior to commencing any works.

This drawing is the property of Fletcher-Rae (UK) Limited (T/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P13 | Amendments to suit client comments | 24.02.2023 | JDC | RT |
| P12 | Additional EV provision indicated | 22.02.2023 | JDC | RT |
| P11 | General Amendments | 21.02.2023 | JDC | RT |
| P10 | Amendments to legend | 14.02.2023 | JDC | RT |
| P9 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P8 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P7 | General Updates | 27.01.2023 | JDC | RT |
| P6 | General Updates | 10.01.2023 | JDC | RT |
| P5 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P4 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P3 | Planning pack update | 10.02.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

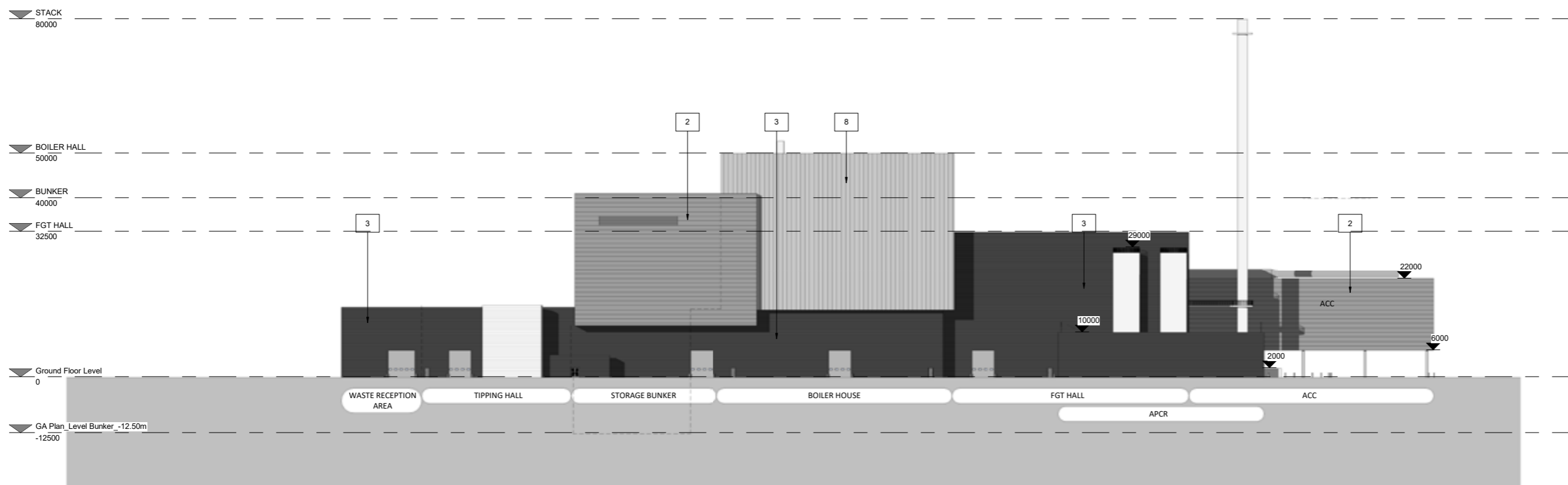
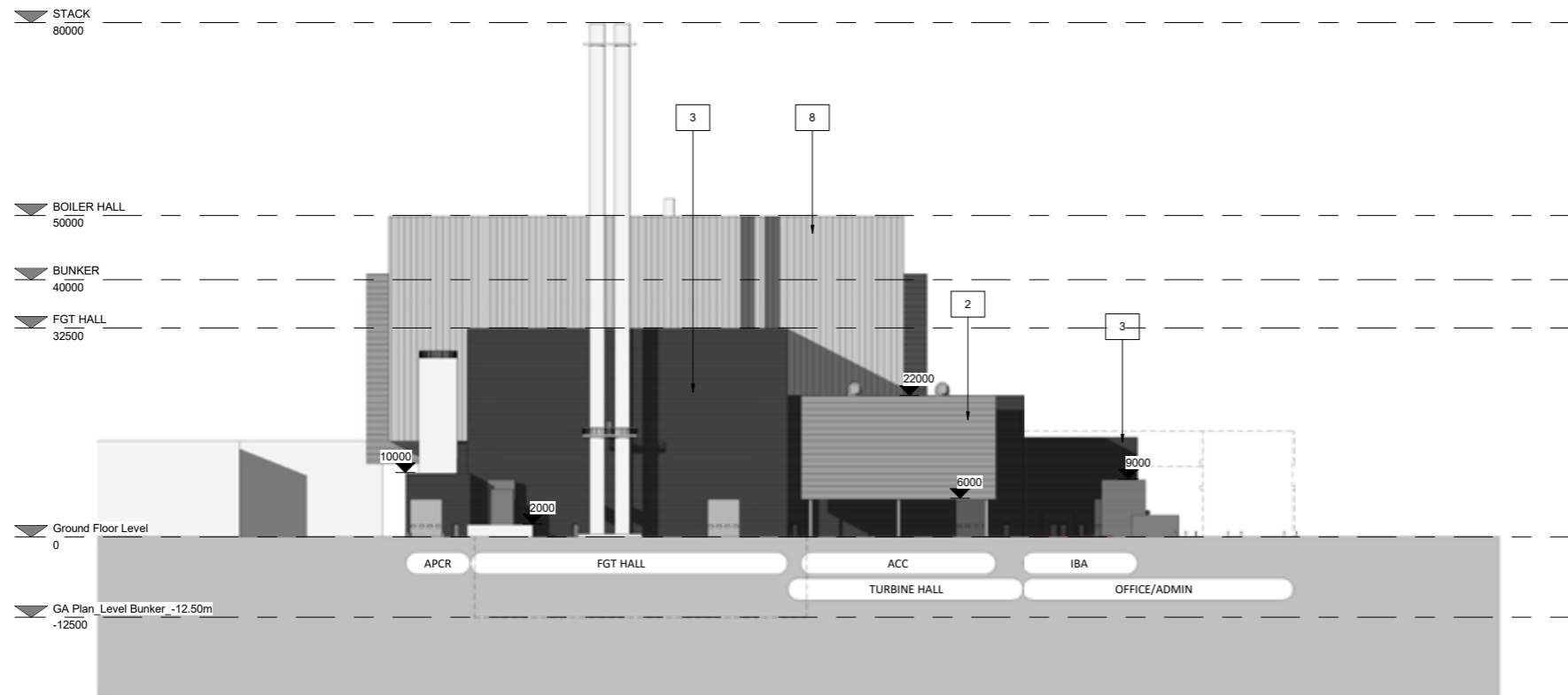
Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

Sheet Name: **Proposed Site Plan**

Project No. Orig. Zone Level Type Role C/S Dwg No. Rev
20044-FRA-00-00-DR-A -90-0003 P13

fletcher | rae
 Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



EAST_Elevation



General Notes

Do not scale from this drawing. Only work to written dimensions.

All site dimensions shall be verified by the Contractor on site prior to commencing any works.

This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

Materials Key

1. Translucent polycarbonate cladding system
2. Deep profiled external sheet metal cladding laid with profile running horizontally. Colour: Grey (RAL TBC)
3. Deep profiled external sheet metal cladding laid with profile running horizontally. Colour: Black
4. Curtain wall glazing system, with integrated glazed doors.
5. Polyester powder coated panelised up and over electrically operated insulated loading door.
6. Steel framed doors with steel clad finish to both sides to match adjacent composite cladding.
7. Profiled roof deck with single layer PVC weathering membrane
8. Standing Seam System metal aid with profile running vertically. Colour: Light Grey

Ground FFL: 10m AOD

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P10 | Duct from FGT to Stack added, and Diesel and Ammonia bund tanks added | 10.03.2023 | JDC | RT |
| P9 | Amendments to suit client comments | 24.02.2023 | JDC | RT |
| P8 | General Amendments | 21.02.2023 | JDC | RT |
| P7 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P6 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P5 | General Updates | 10.01.2023 | JDC | RT |
| P4 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P3 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Aciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

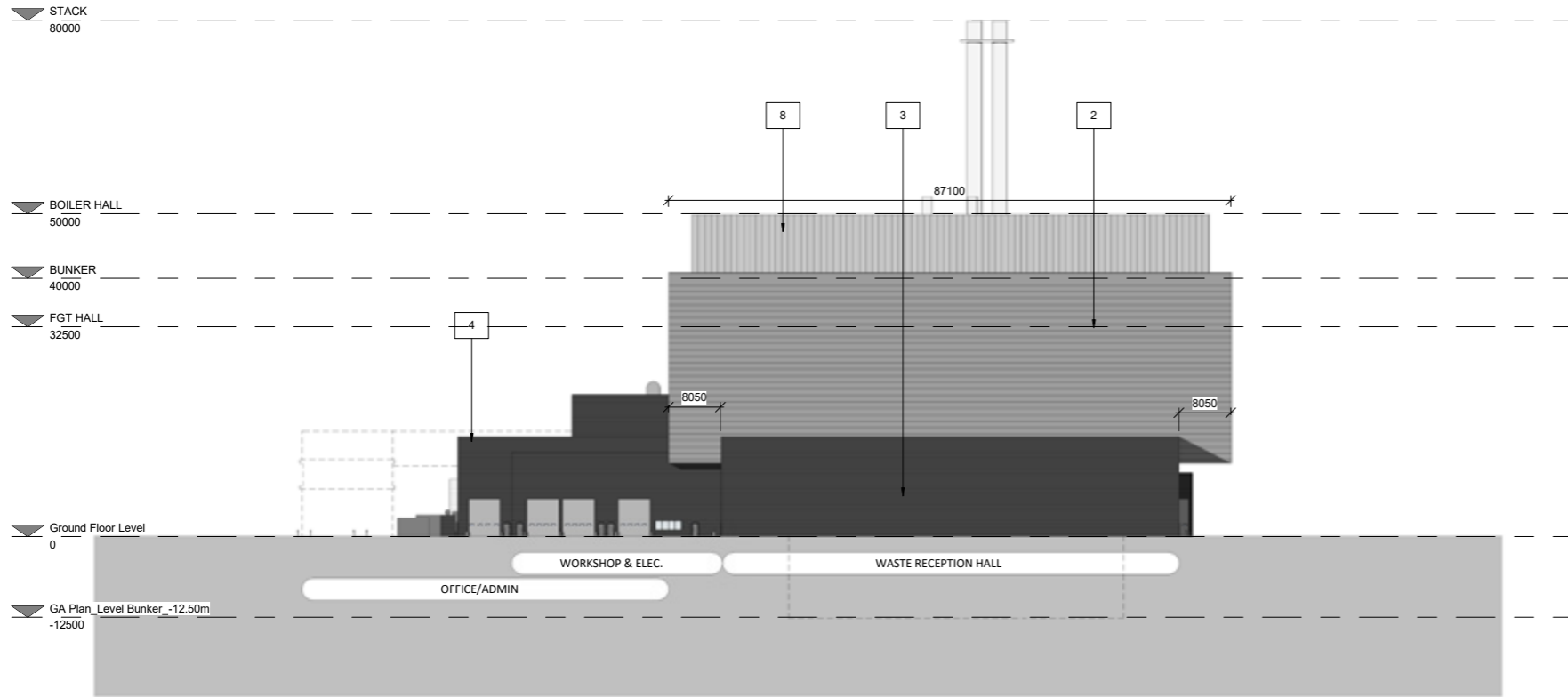
Sheet Name: **Proposed GA Elevations_NORTH & EAST**

Project No. Orig. Zone Level Type Role Cls. Dwg No. Rev
20044-FRA-00-00-DR-A -20-0010 P10

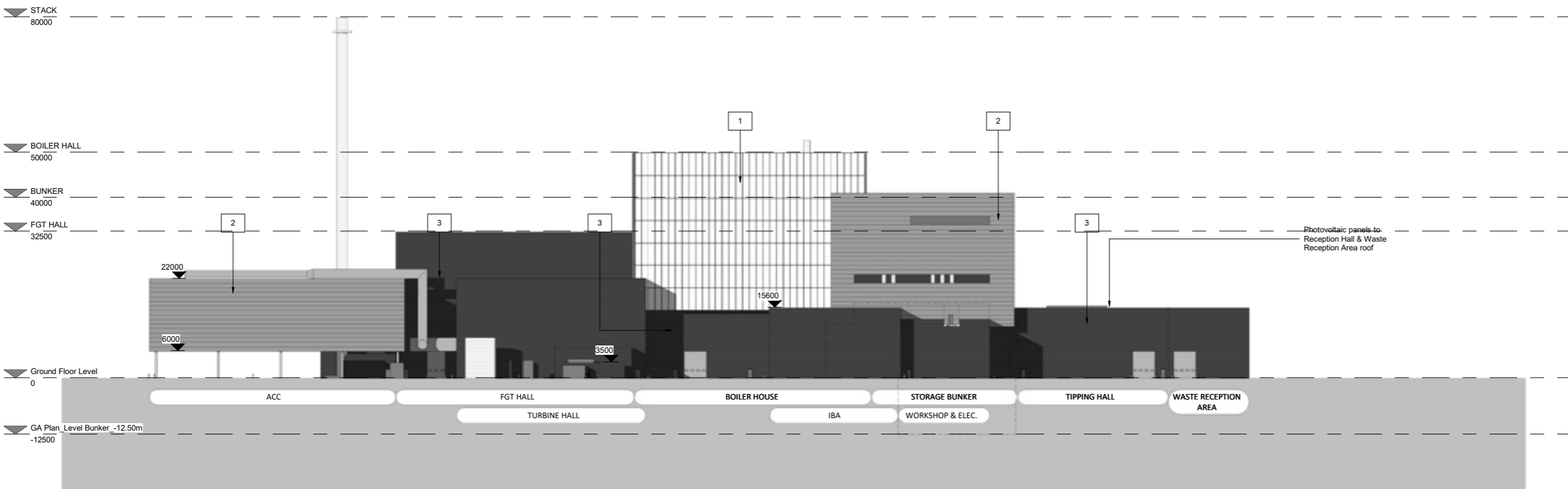
fletcher|rae
 Architects | Master Planners | Designers

Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



SOUTH_Elevation



WEST_Elevation



General Notes

Do not scale from this drawing. Only work to written dimensions.
All site dimensions shall be verified by the Contractor on site prior to commencing any works.

This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

Materials Key

1. Translucent polycarbonate cladding system
2. Deep profiled external sheet metal cladding laid with profile running horizontally. Colour: Grey (RAL TBC)
3. Deep profiled external sheet metal cladding laid with profile running horizontally. Colour: Black
4. Curtain wall glazing system, with integrated glazed doors.
5. Polyester powder coated panelised up and over electrically operated insulated loading door.
6. Steel framed doors with steel clad finish to both sides to match adjacent composite cladding.
7. Profiled roof deck with single layer PVC weathering membrane
8. Standing Seam System metal aid with profile running vertically. Colour: Light Grey

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P10 | Duct from FGT to Stack added, and Diesel and Ammonia bund tanks added | 10.03.2023 | JDC | RT |
| P9 | Amendments to suit client comments | 24.02.2023 | JDC | RT |
| P8 | Amendments to drawing title & other general amendments | 21.02.2023 | JDC | RT |
| P7 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P6 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P5 | General Updates | 10.01.2023 | JDC | RT |
| P4 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P3 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

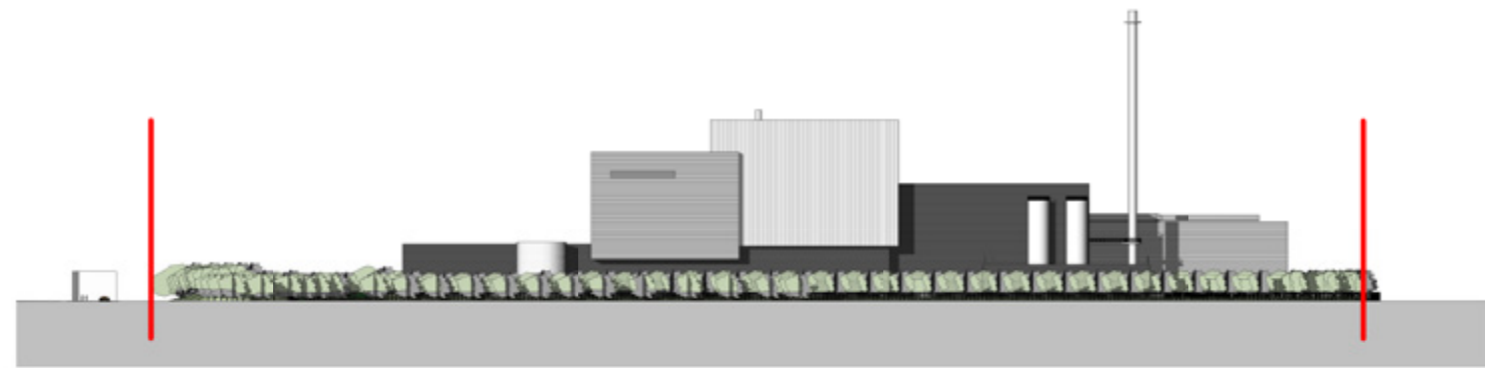
Sheet Name: **Proposed GA Elevations_SOUTH & WEST**

Project No. **20044-FRA-00-00-DR-A -20-0011** Rev **P10**

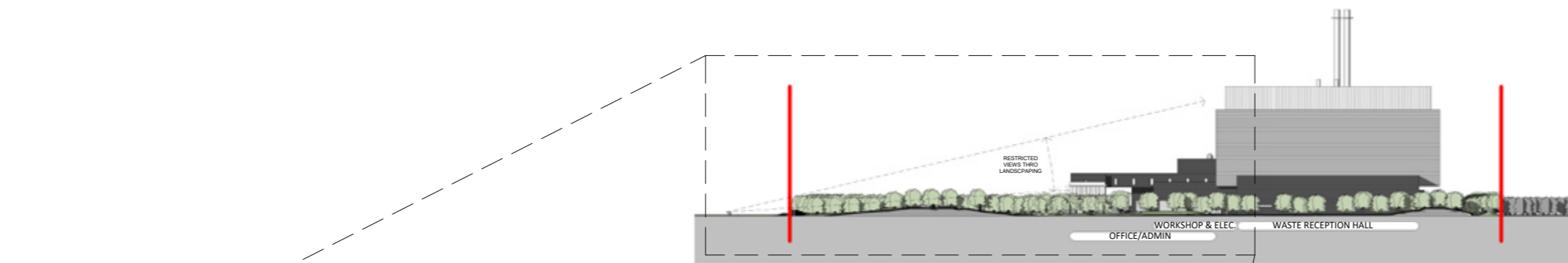
fletcher|rae
 Architects | Master Planners | Designers

Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



EAST Elevation Site Wide



SOUTH Elevation Site Wide



SOUTH Elevation Boundary Treatment



General Notes
 Do not scale from this drawing. Only work to written dimensions.
 All site dimensions shall be verified by the Contractor on site prior to commencing any works.
 This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.
 Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

Site Boundary

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P8 | General Amendments | 21.02.2023 | JDC | RT |
| P7 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P6 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P5 | General Updates | 10.01.2023 | JDC | RT |
| P4 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P3 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

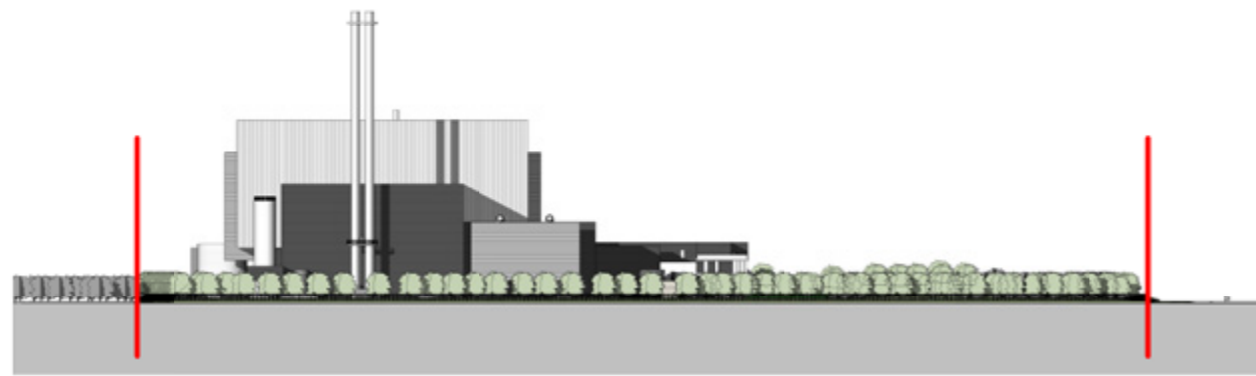
not to scale
 Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

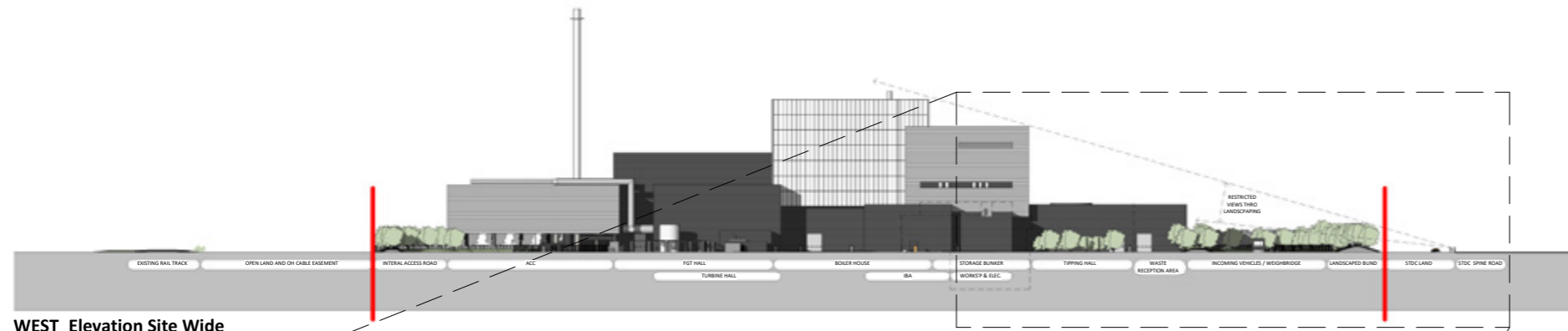
Sheet Name: **GA Site Elevations - SOUTH & EAST**

| Project No. | Orig. | Zone | Level | Type | Role | Cls | Dwg No. | Rev |
|----------------------|-------|------|-------|------|------|-----|---------|-----|
| 20044-FRA-00-00-DR-A | | | | | | | 90-0004 | P8 |

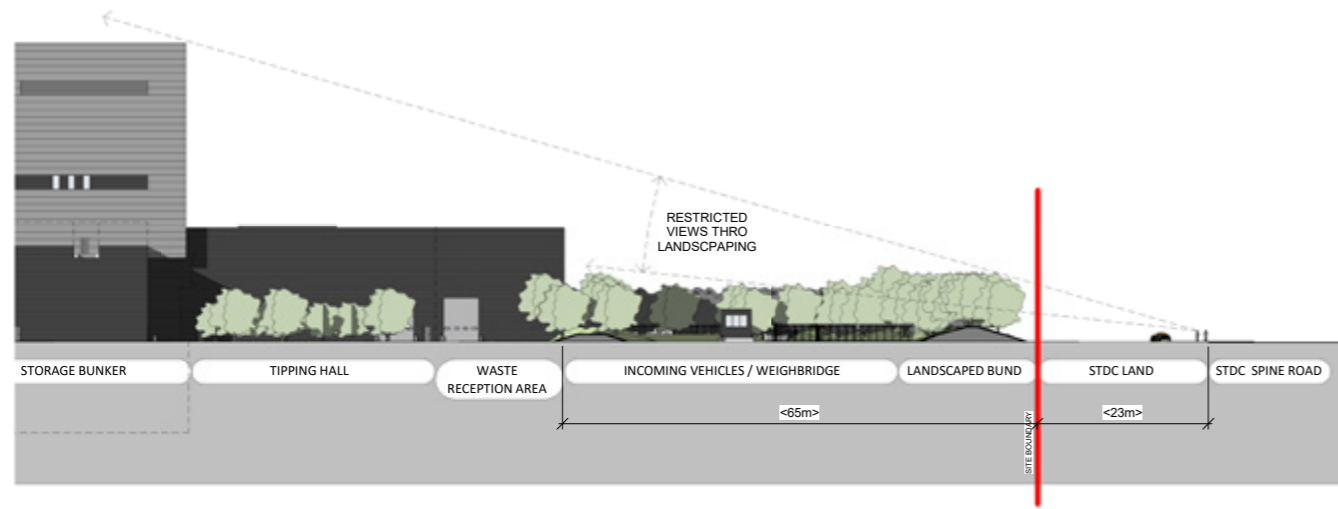
fletcher|rae
 Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PY
 t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



NORTH_Elevation Site Wide



WEST Elevation Site Wide



WEST Elevation Boundary Treatment



General Notes

Do not scale from this drawing. Only work to written dimensions.
 All site dimensions shall be verified by the Contractor on site prior to commencing any works.
 This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.
 Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

Site Boundary

| | | | | |
|------|---|------------|-----|-----|
| P9 | Duct from FGT to Stack added, and Diesel and Ammonia bund tanks added | 10.03.2023 | JDC | RT |
| P8 | General Amendments | 21.02.2023 | JDC | RT |
| P7 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P6 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P5 | General Updates | 10.01.2023 | JDC | RT |
| P4 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P3 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |
| Rev. | Description | Date | ISS | APP |

not to scale
 Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

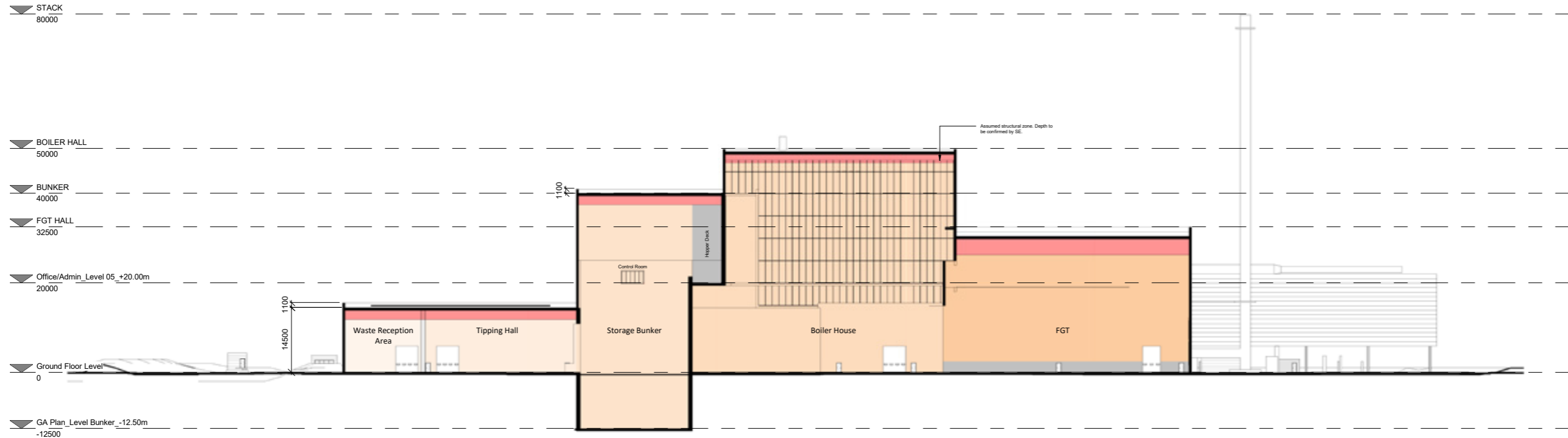
Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

Sheet Name: **GA Site Elevations - NORTH & WEST**

Project No. Orig. Zone Level Type Role Cls Dwg No. Rev
20044-FRA-00-00-DR-A-90-0005 P9

fletcher|rae
 Architects | Master Planners | Designers

Hill Quays, 5 Jordan Street, Manchester, M15 4PY
 t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



Section A

General Notes

Do not scale from this drawing. Only work to written dimensions.

All site dimensions shall be verified by the Contractor on site prior to commencing any works.

This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

Ground FFL: 10m AOD

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P11 | Duct from FGT to Stack added, and Diesel and Ammonia bund tanks added | 10.03.2023 | JDC | RT |
| P10 | General Amendments | 21.02.2023 | JDC | RT |
| P9 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P8 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P7 | General Updates | 10.01.2023 | JDC | RT |
| P6 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P5 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P4 | Planning pack update | 10.02.2022 | JDC | RT |
| P3 | Planning pack issue | 09.02.2022 | JDC | RT |
| P2 | Additional WC added to Gatehouse | 27.01.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

Sheet Name: **Section A**

Project No. Orig. Zone Level Type Role Cls. Dwg No. Rev
20044-FRA-00-00-DR-A -20-0012 P11

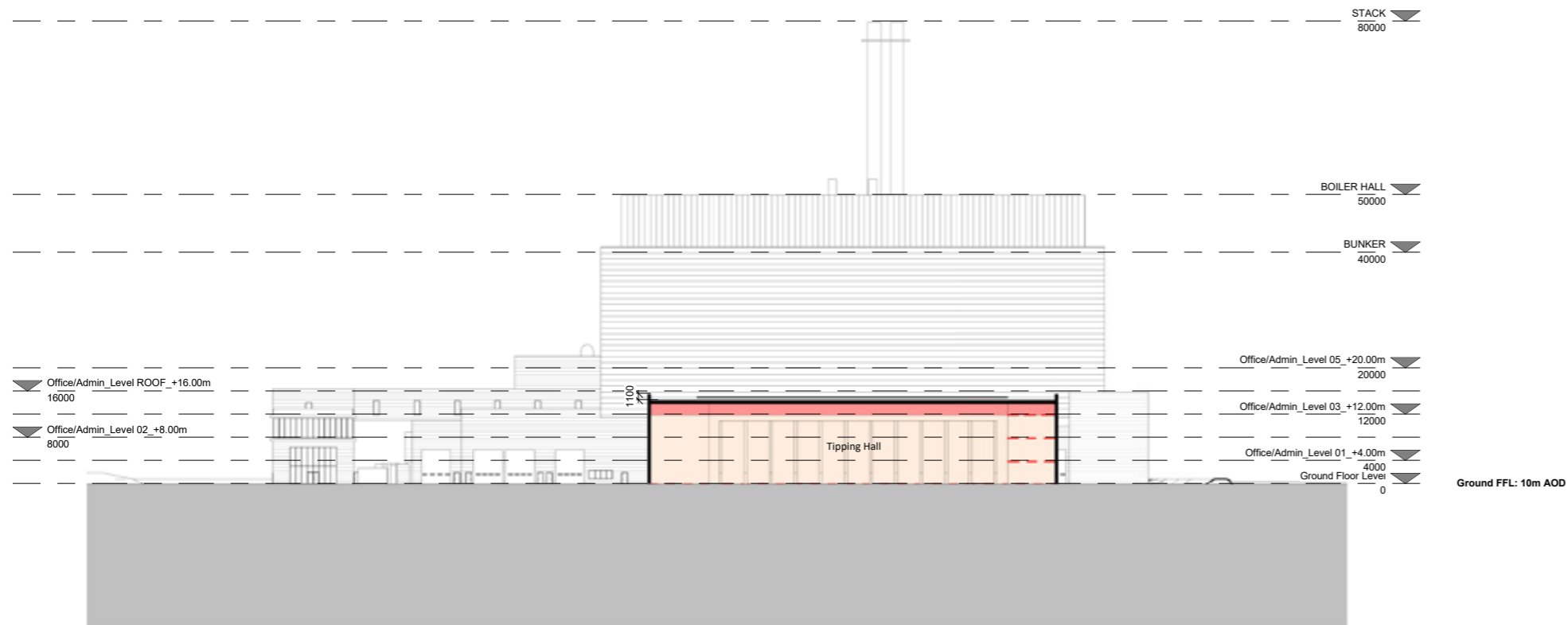
fletcher|rae
 Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PP

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com

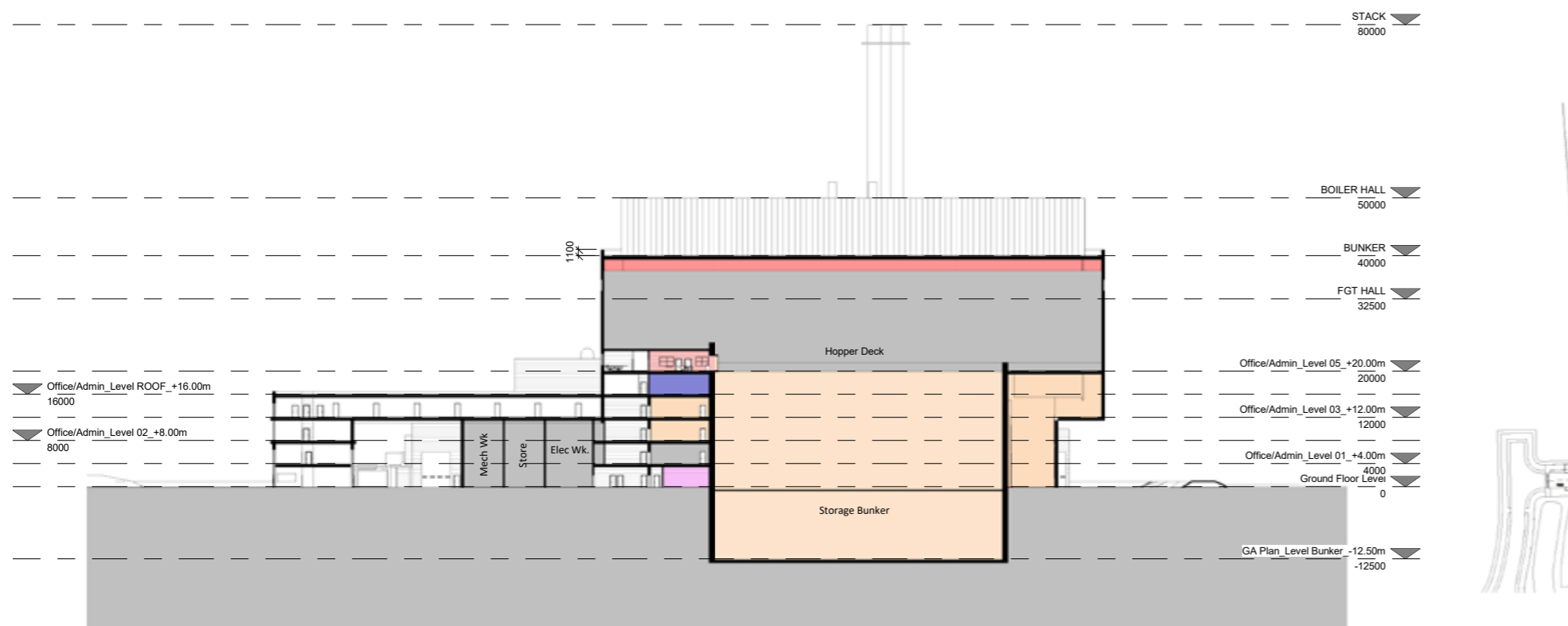


Section Key





Section B



Section C



Section Key

General Notes

Do not scale from this drawing. Only work to written dimensions.

All site dimensions shall be verified by the Contractor on site prior to commencing any works.

This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P8 | General Amendments | 21.02.2023 | JDC | RT |
| P7 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P6 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P5 | General Updates | 10.01.2023 | JDC | RT |
| P4 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P3 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

Status: S2 Information
 Drawn By: JDC
 Checked By: RT
 Date: 04.04.2022

Client: VIRIDOR
 Project: TEES VALLEY ERF

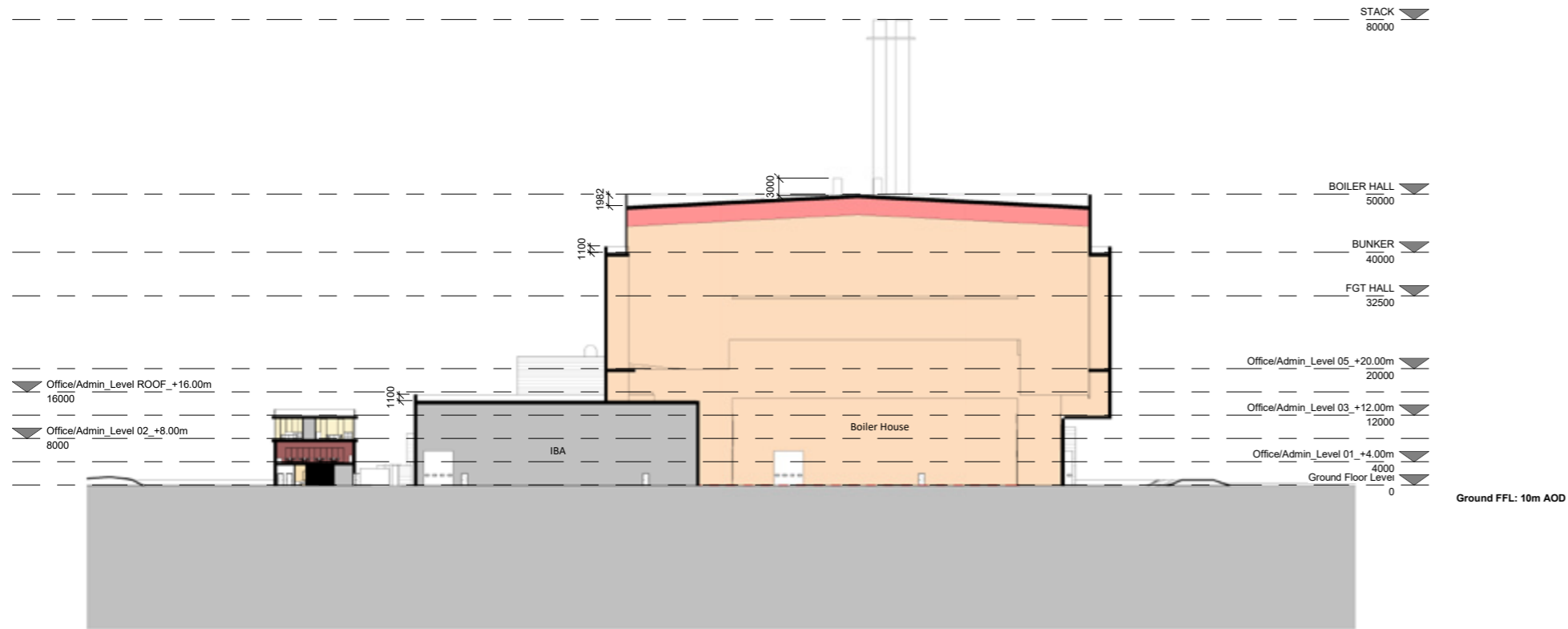
Sheet Name: Section B & C

Project No.: 20044-FRA-00-00-DR-A -20-0013 P8

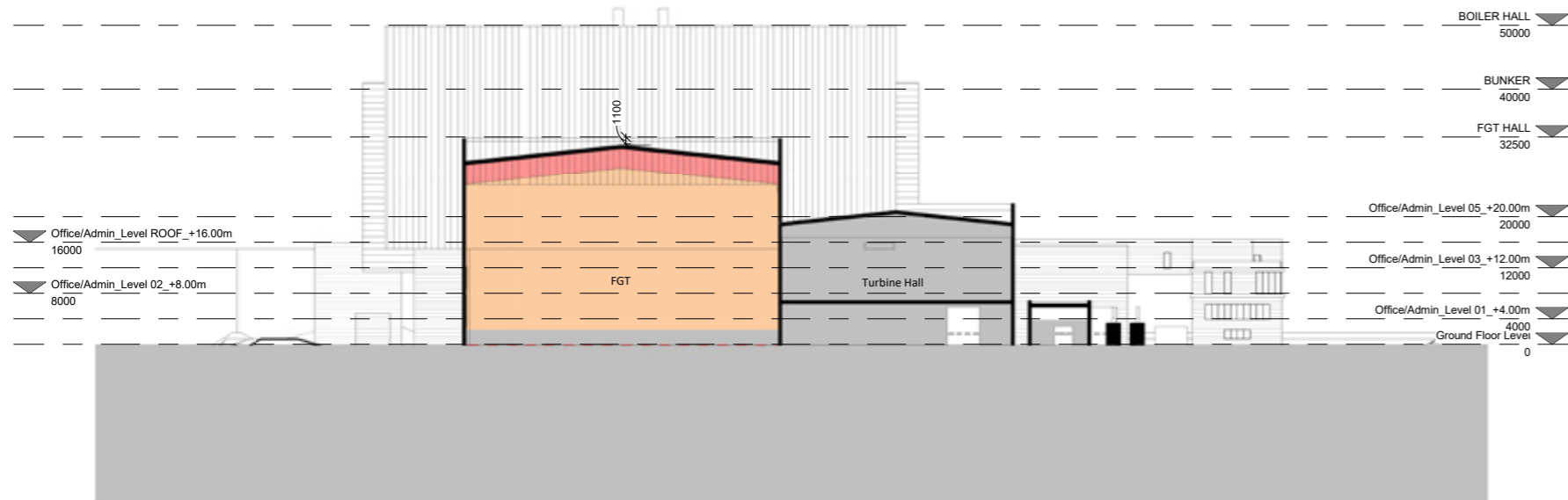
fletcher|rae

Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



Section D



Section E



Section Key

General Notes

Do not scale from this drawing. Only work to written dimensions.

All site dimensions shall be verified by the Contractor on site prior to commencing any works.

This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

| Rev. | Description | Date | ISS | APP |
|------|---|------------|-----|-----|
| P8 | General Amendments | 21.02.2023 | JDC | RT |
| P7 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P6 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P5 | General Updates | 10.01.2023 | JDC | RT |
| P4 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P3 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P2 | Planning pack issue | 09.02.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

VIRIDOR

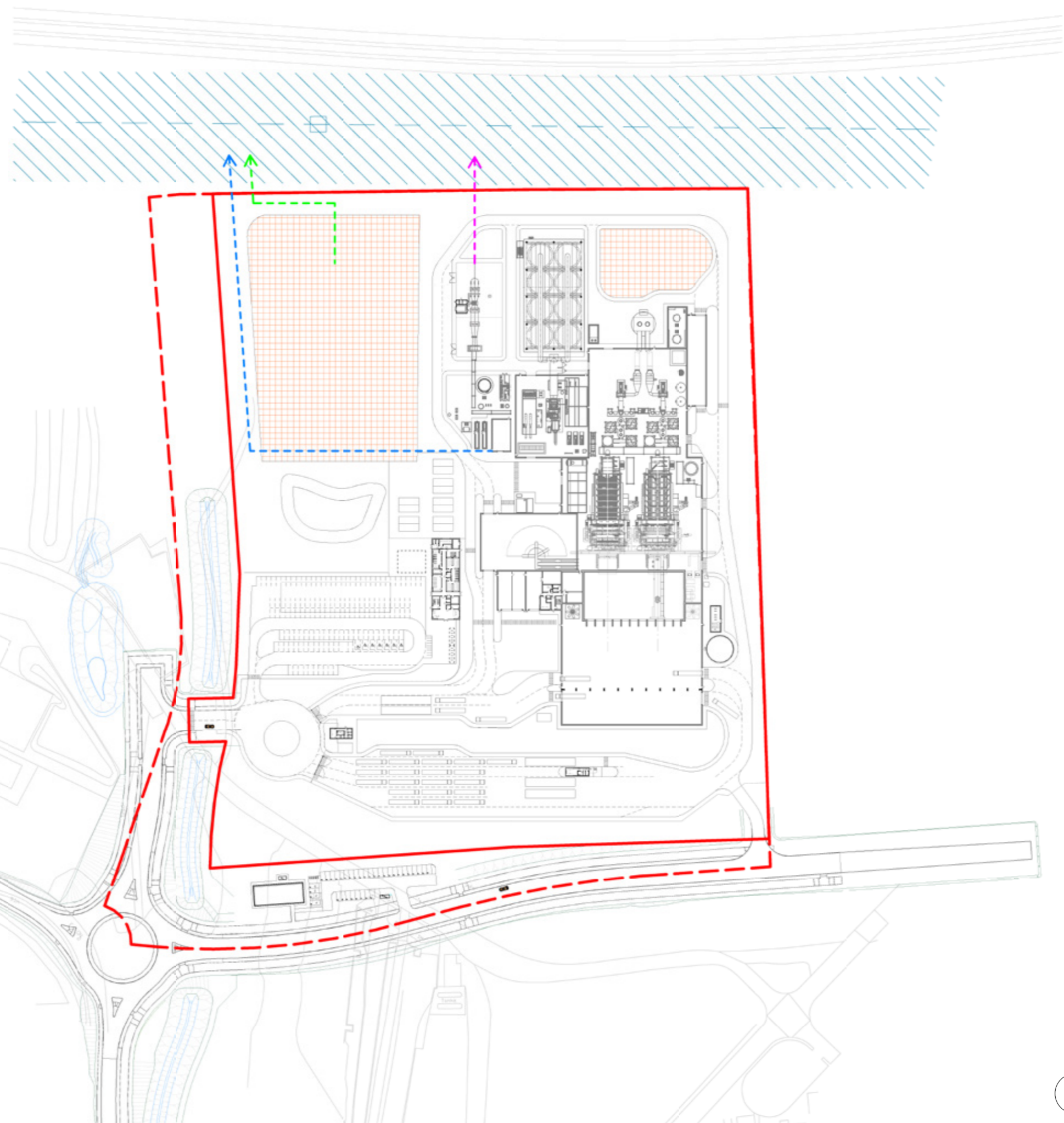
Project: **TEES VALLEY ERF**

Sheet Name: **Section D & E**

Project No. Orig. Zone Level Type Role Cls. Dwg No. Rev
20044-FRA-00-00-DR-A -20-0014 P8

fletcher|rae
 Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



General Notes

Do not scale from this drawing. Only work to written dimensions.
 All site dimensions shall be verified by the Contractor on site prior to commencing any works.
 This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.

- CO2 Pipeline Off-site
- Grid Connection Off-site
- Combined Heat & Power (CHP) Off-site
- CCUS Area

NOTE: Power off-take routes are indicative only

| | | | | |
|------|--|------------|-----|-----|
| P2 | Amendments to drawing title & other general amendments | 21.02.2023 | JDC | RT |
| P1 | Planning / Bid Issue | 14.02.2023 | JDC | RT |
| PO | DRAFT ISSUE | 07.02.2023 | JDC | RT |
| Rev. | Description | Date | ISS | APP |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **07.02.2023**

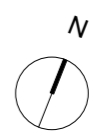
Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

Sheet Name: **Energy & CCUS Off-take Diagram**

| | | | | | | | | |
|----------------------|-------|------|-------|------|------|-----|----------|-----|
| Project No. | Orig. | Zone | Level | Type | Role | Cls | Dwg No. | Rev |
| 20044-FRA-00-00-DR-A | | | | | | | -90-0027 | P2 |

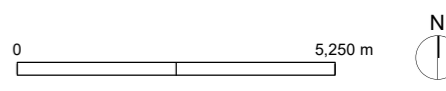
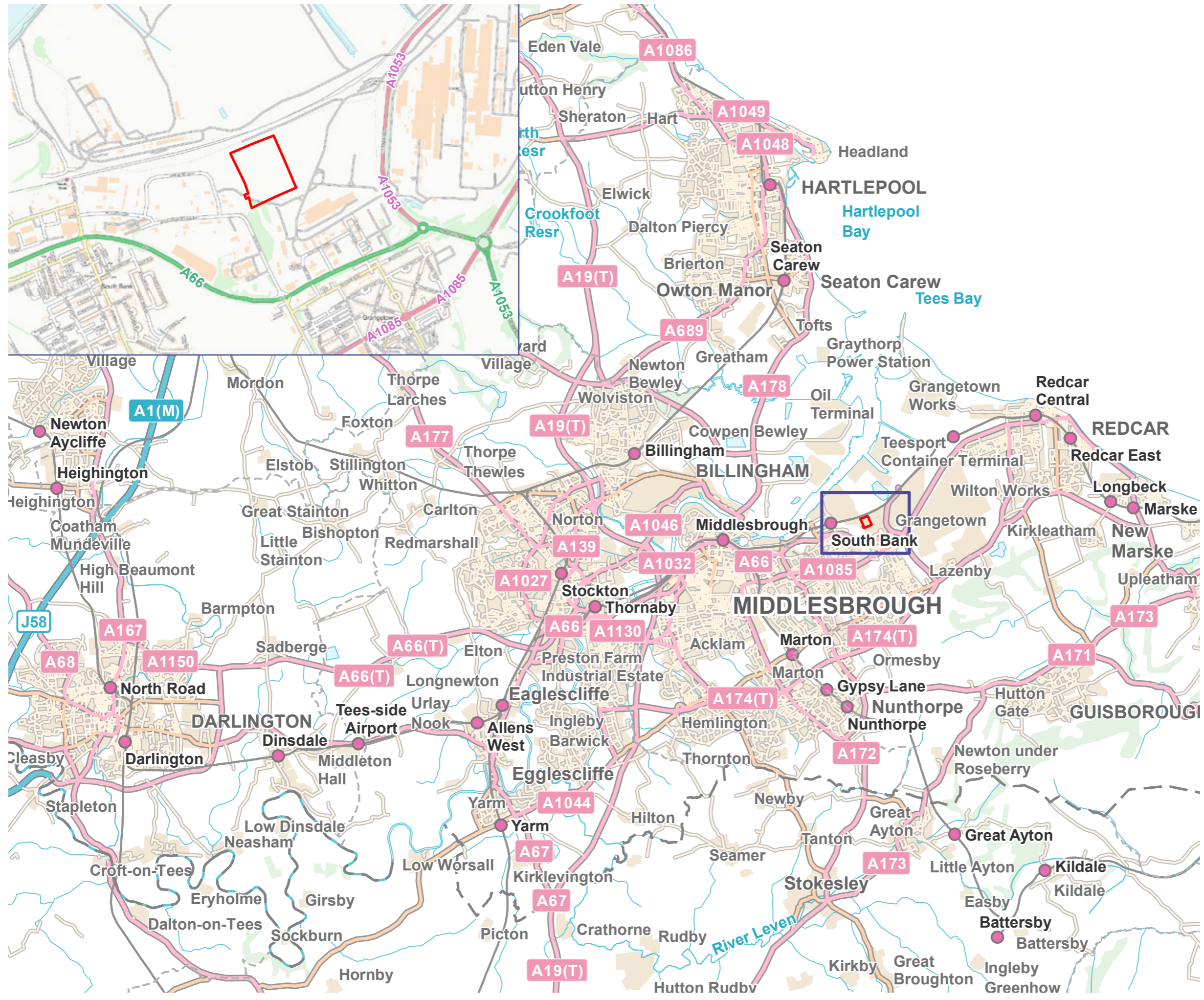
fletcher|rae
 Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com

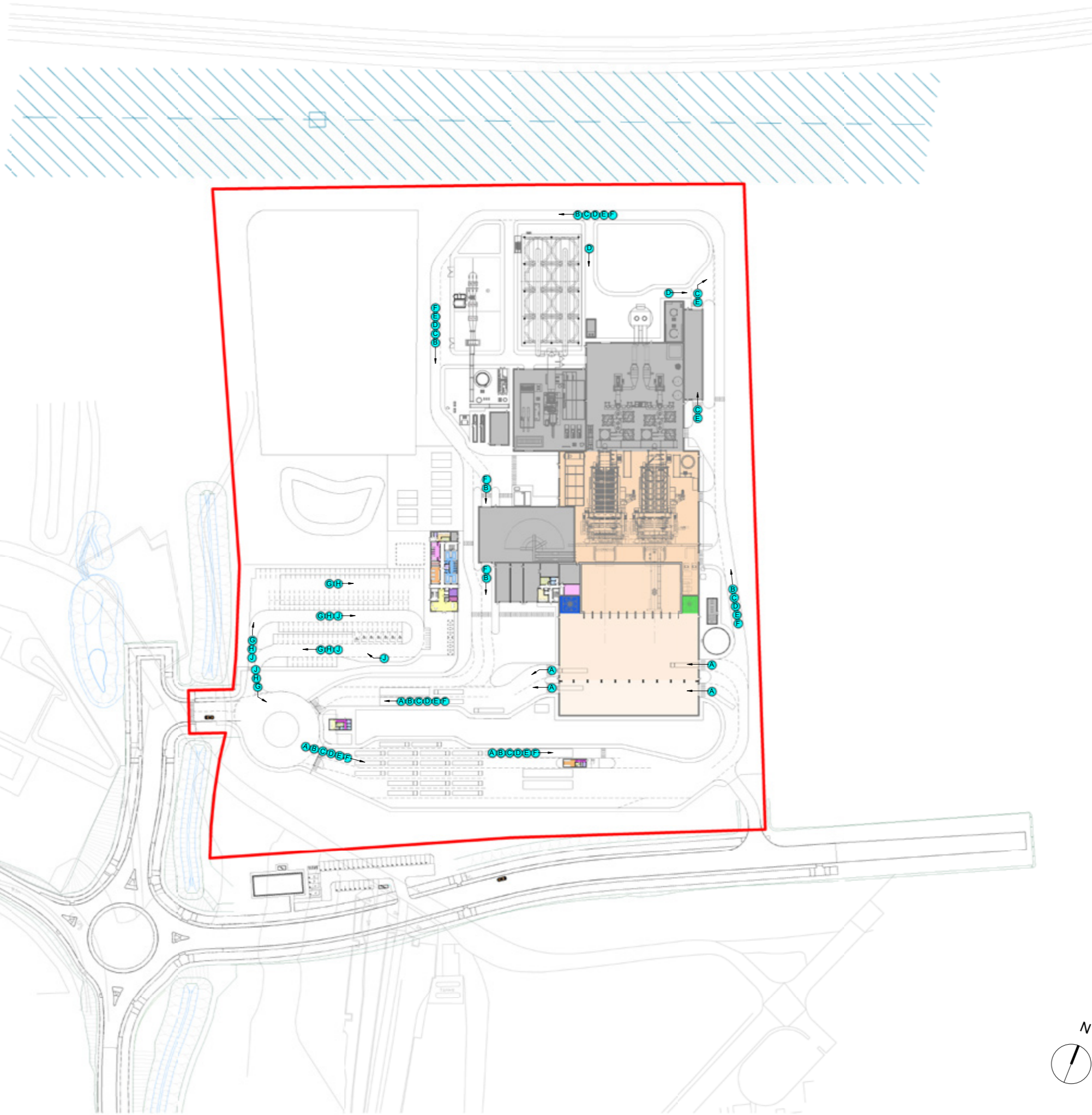


Site Plan - Power Off Take Diagram

Reserved matters application boundary



Contains OS data © Crown copyright and database right 2021. Licensed under the Open Government Licence v3.0. Licence No. 100019980. Copyright Terence O'Rourke Ltd, 2021



General Notes

Do not scale from this drawing. Only work to written dimensions.
 All site dimensions shall be verified by the Contractor on site prior to commencing any works.
 This drawing is the property of Fletcher-Rae (UK) Limited (t/a Fletcher-Rae) and copyright is reserved by them. The drawing is not to be copied or disclosed by or to any unauthorised persons without the prior written consent of Fletcher-Rae (UK) Limited.
 Map bases were provided to Viridor Tees Valley Limited by the Tees Valley Energy Recovery Facility Contract Authority (comprising Darlington, Hartlepool, Middlesbrough, Redcar & Cleveland, and Stockton Unitary Authorities and Durham County Council and Newcastle City Council) in 2020.

- A Waste HGV
- B BA HGV
- C APC residues HGV
- D Diesel Oil HGV
- E ERF Consumables HGV
- F ERF Metals HGV
- G Staff
- H Visitor
- I Coach

| | | | | |
|------|---|------------|-----|-----|
| P11 | General Amendments | 21.02.2023 | JDC | RT |
| P10 | General amendments | 14.02.2023 | JDC | RT |
| P9 | Amendments to suit client comments | 07.02.2023 | JDC | RT |
| P8 | Planning / Bid Issue | 31.01.2023 | JDC | RT |
| P7 | General Updates | 10.01.2023 | JDC | RT |
| P6 | General note added for copyright purposes | 04.04.2022 | JDC | RT |
| P5 | Drawing updated to client comments | 28.03.2022 | JDC | RT |
| P4 | Planning pack update | 10.02.2022 | JDC | RT |
| P3 | Planning pack issue | 09.02.2022 | JDC | RT |
| P2 | Additional WC added to Gatehouse | 27.01.2022 | JDC | RT |
| P1 | Planning pack updated to reflect Acciona comments | 09.12.2021 | JDC | RT |
| P0 | Planning pack first issue | 16.10.2021 | JDC | RT |
| Rev. | Description | Date | ISS | APP |

Status: **S2 Information**
 Drawn By: **JDC**
 Checked By: **RT**
 Date: **04.04.2022**

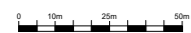
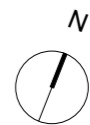
Client: **VIRIDOR**
 Project: **TEES VALLEY ERF**

Sheet Name: **On-site Vehicle Circulation**

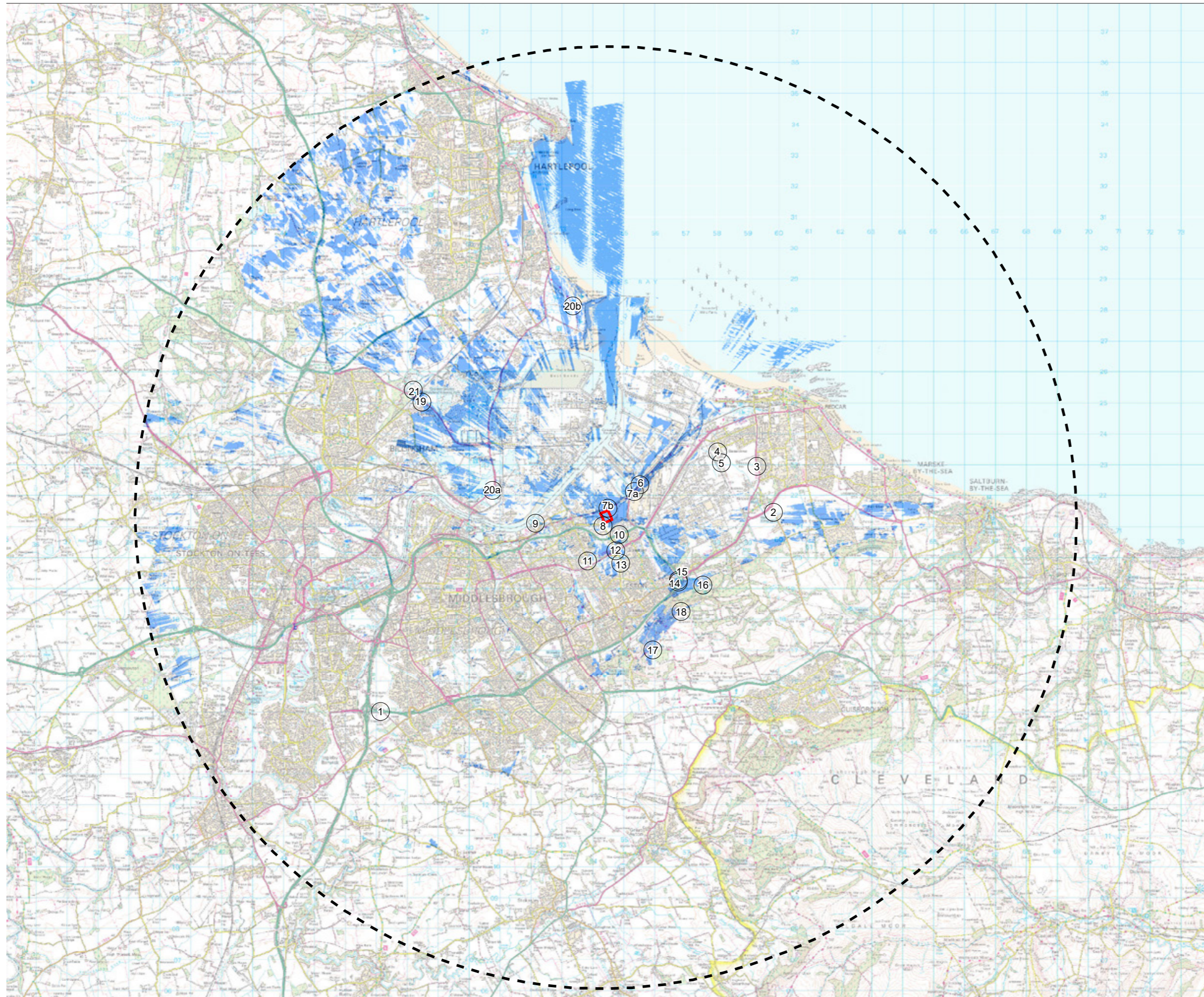
Project No. Orig. Zone Level Type Role CIs Dwg No. Rev
20044-FRA-00-00-DR-A -90-0023 P11

fletcher | rae
 Architects | Master Planners | Designers
 Hill Quays, 5 Jordan Street, Manchester, M15 4PY

t +44 (0) 161 242 1140
 f +44 (0) 161 242 1141
 w www.fletcher-rae.com
 e info@fletcher-rae.com



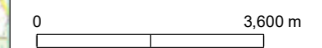




- ① Viewpoint locations
- Reserved matters application boundary
- 15km study area
- Energy recovery facility visible

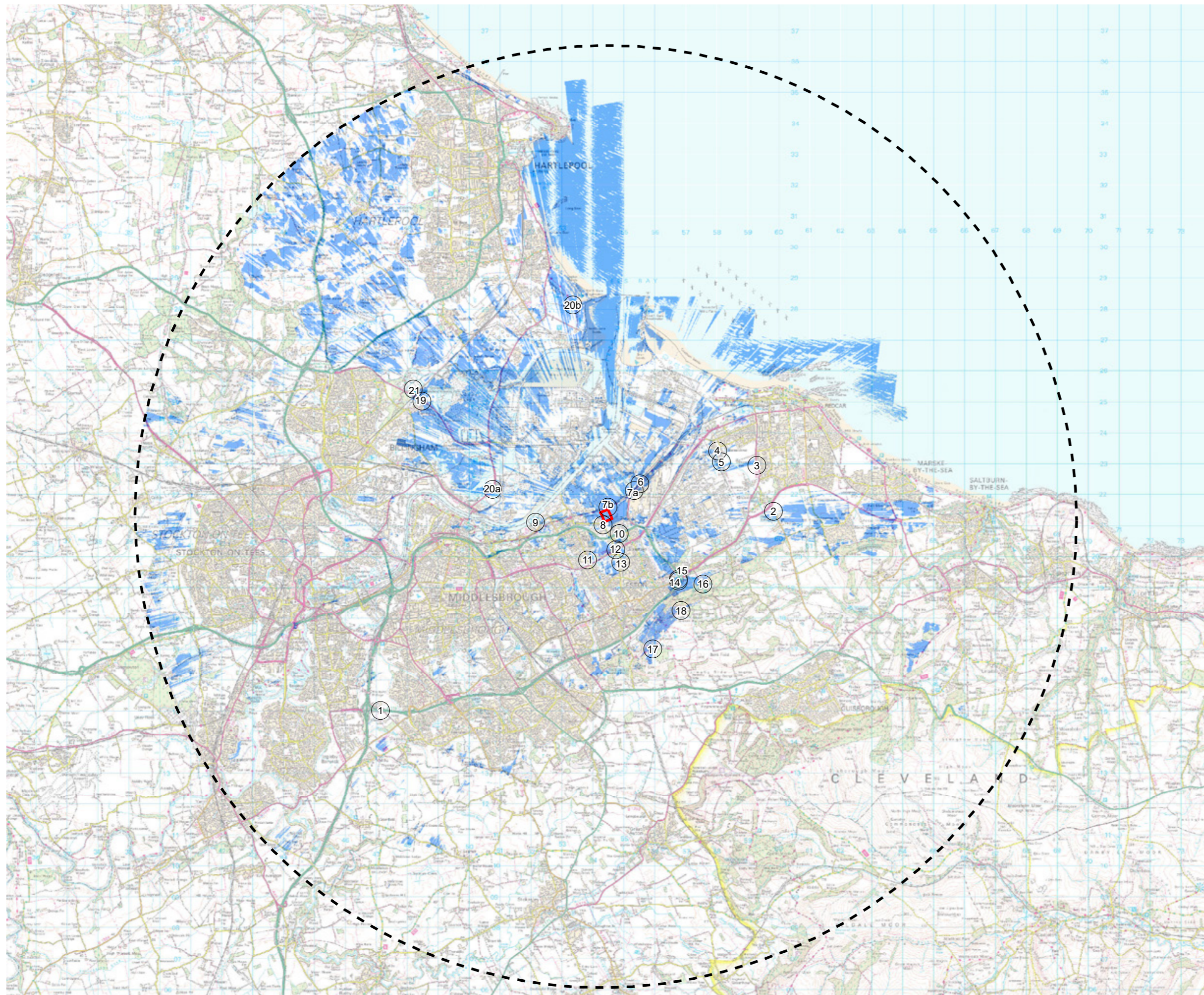
Viewpoint List:

- VP1: Footpath to Stainsby Hall Farm, Stainsby.
- VP2: Permissive Bridleway off Fishponds Road, B1269.
- VP3: Kirkleatham Lane, A1042
- VP4: Amenity Green Space, Howcroft Avenue, Dormanstown
- VP5: Bridleway off Hobson Avenue
- VP6: Tees Dock Road
- VP7a: Access point to Teesdale Way (also known as the Black Path) Footpath
- VP7b: Teesdale Way Footpath
- VP8: Eston Road, Grangetown
- VP9: River Tees Viewpoint
- VP10: Footway adjacent to A66 Bolckow Road/Whitworth Road, Grangetown
- VP11: Junction of Normanby Road/Poplar Grove
- VP12: A1085 Trunk Road from the bridge over Church Lane
- VP13: Local footpath through Eston Recreation Area, off Church Lane.
- VP14: B1380, High Street, Lackenby.
- VP15: NCN Route 1, Lackenby
- VP16: Bridleway within Eston Hills, off Lazenby Bank Road.
- VP17: Tees Link National Trail footpath 122/21/3 Eston Hills.
- VP18: OS Triangulation point, Eston Nab.
- VP19: A1185, Seal Sands Road, Stockton-on-Tees.
- VP20a: Section of the England Coast Path (ECP) National Trail, Stockton-on-Tees.
- VP20b: Section of the England Coast Path.
- VP21: Viewpoint within Cowpen Bewley Woodland Park, Stockton-on-Tees.



Based upon the 2022 Ordnance Survey 1:50,000 colour raster map with the permission of the Ordnance Survey on behalf of HMSO, © Crown copyright Licence No. AC0000849896.

Copyright Terence O'Rourke Ltd, 2023

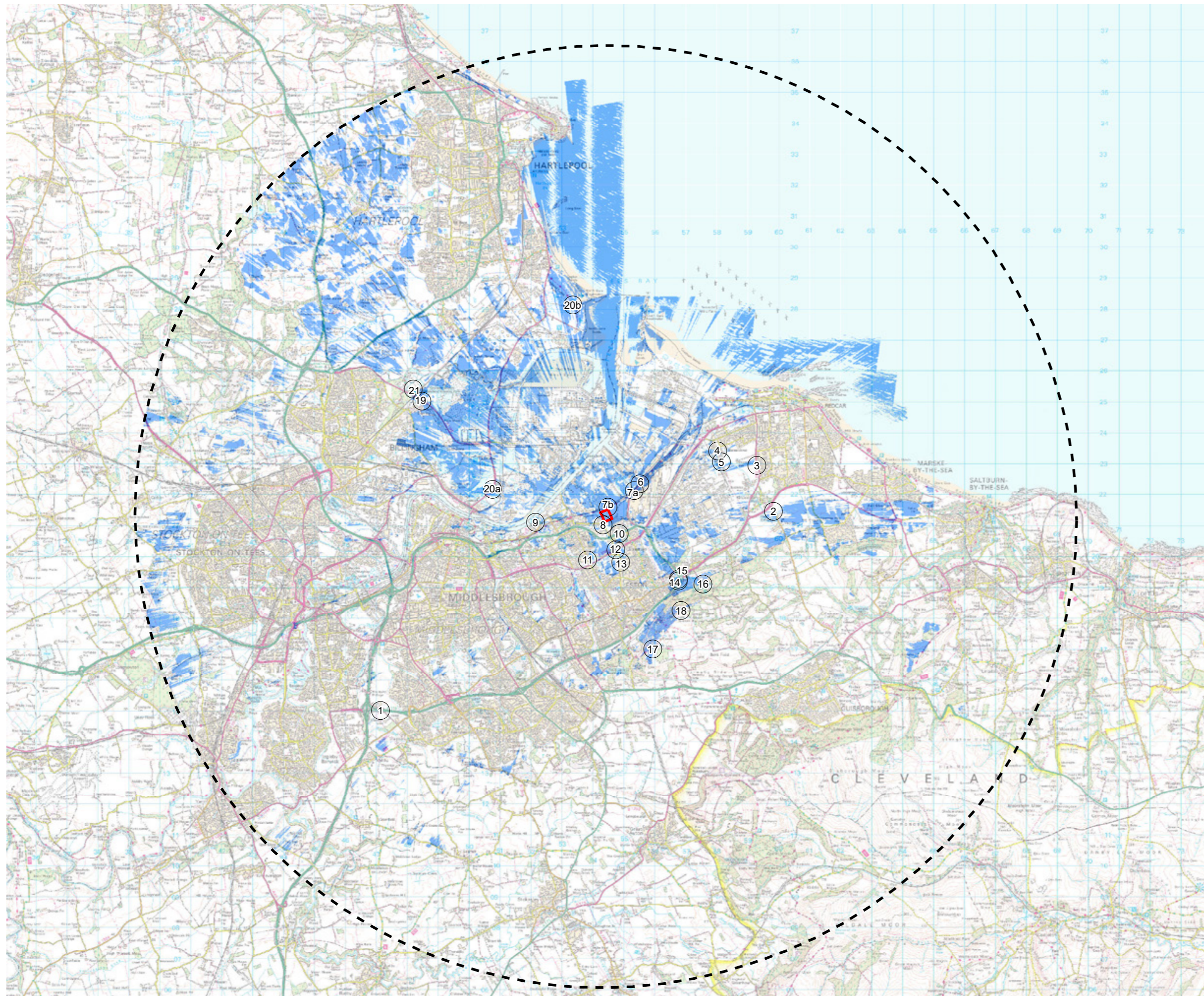


- ① Viewpoint locations
- Reserved matters application boundary
- 15km study area
- Energy recovery facility visible

- Viewpoint List:**
- VP1: Footpath to Stainsby Hall Farm, Stainsby.
 - VP2: Permissive Bridleway off Fishponds Road, B1269.
 - VP3: Kirkleatham Lane, A1042
 - VP4: Amenity Green Space, Howcroft Avenue, Dormanstown
 - VP5: Bridleway off Hobson Avenue
 - VP6: Tees Dock Road
 - VP7a: Access point to Teesdale Way (also known as the Black Path) Footpath
 - VP7b: Teesdale Way Footpath
 - VP8: Eston Road, Grangetown
 - VP9: River Tees Viewpoint
 - VP10: Footway adjacent to A66 Bolckow Road/Whitworth Road, Grangetown
 - VP11: Junction of Normanby Road/Poplar Grove
 - VP12: A1085 Trunk Road from the bridge over Church Lane
 - VP13: Local footpath through Eston Recreation Area, off Church Lane.
 - VP14: B1380, High Street, Lackenby.
 - VP15: NCN Route 1, Lackenby
 - VP16: Bridleway within Eston Hills, off Lazenby Bank Road.
 - VP17: Tees Link National Trail footpath 122/21/3 Eston Hills.
 - VP18: OS Triangulation point, Eston Nab.
 - VP19: A1185, Seal Sands Road, Stockton-on-Tees.
 - VP20a: Section of the England Coast Path (ECP) National Trail, Stockton-on-Tees.
 - VP20b: Section of the England Coast Path.
 - VP21: Viewpoint within Cowpen Bewley Woodland Park, Stockton-on-Tees.

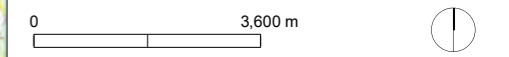


Based upon the 2022 Ordnance Survey 1:50,000 colour raster map with the permission of the Ordnance Survey on behalf of HMSO, © Crown copyright Licence No. AC0000849896.
 Copyright Terence O'Rourke Ltd, 2023

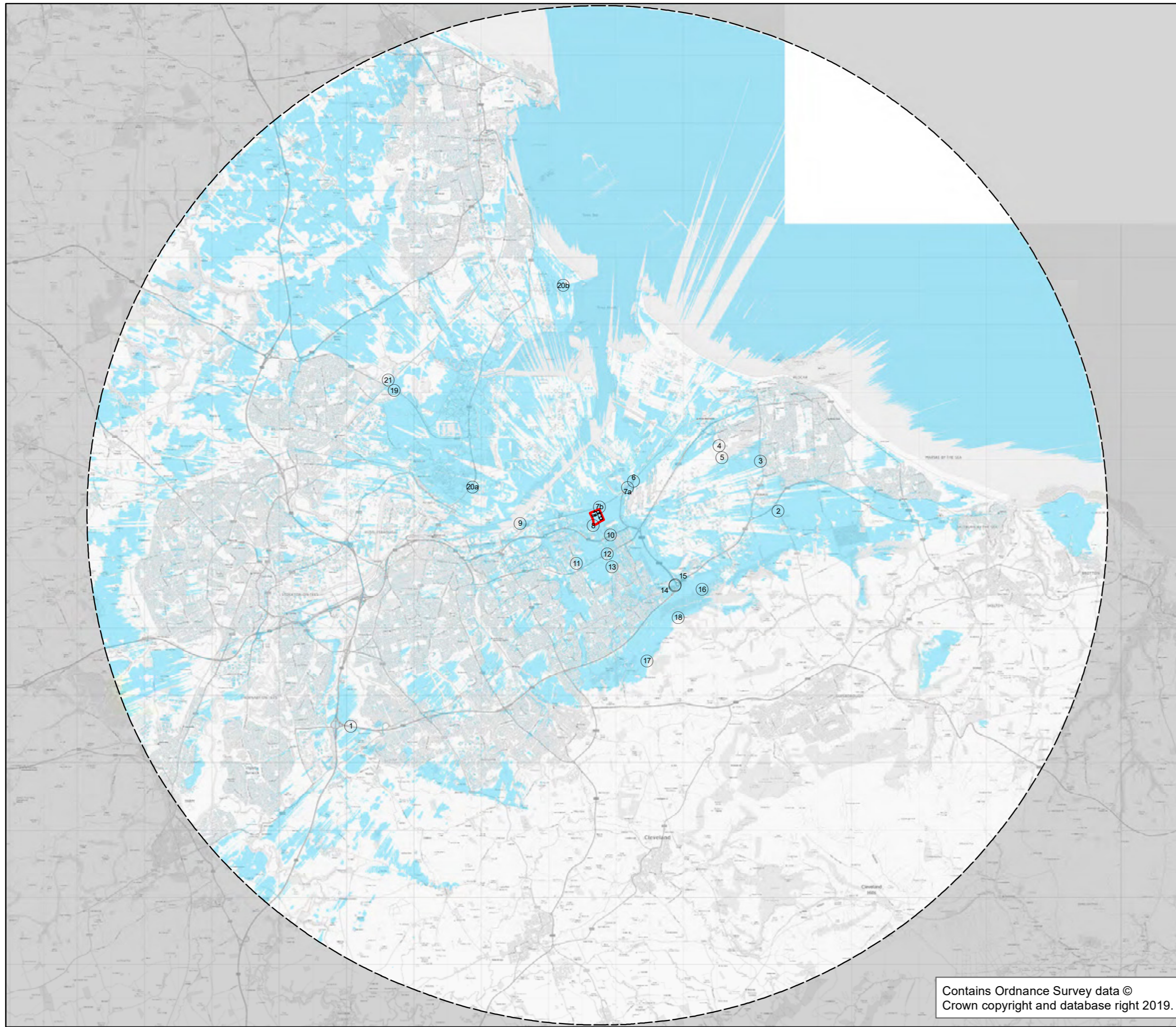


- ① Viewpoint locations
- ▭ Reserved matters application boundary
- - - 15km study area
- Energy recovery facility visible

- Viewpoint List:**
- VP1: Footpath to Stainsby Hall Farm, Stainsby.
 - VP2: Permissive Bridleway off Fishponds Road, B1269.
 - VP3: Kirkleatham Lane, A1042
 - VP4: Amenity Green Space, Howcroft Avenue, Dormanstown
 - VP5: Bridleway off Hobson Avenue
 - VP6: Tees Dock Road
 - VP7a: Access point to Teesdale Way (also known as the Black Path) Footpath
 - VP7b: Teesdale Way Footpath
 - VP8: Eston Road, Grangetown
 - VP9: River Tees Viewpoint
 - VP10: Footway adjacent to A66 Bolckow Road/Whitworth Road, Grangetown
 - VP11: Junction of Normanby Road/Poplar Grove
 - VP12: A1085 Trunk Road from the bridge over Church Lane
 - VP13: Local footpath through Eston Recreation Area, off Church Lane.
 - VP14: B1380, High Street, Lackenby.
 - VP15: NCN Route 1, Lackenby
 - VP16: Bridleway within Eston Hills, off Lazenby Bank Road.
 - VP17: Tees Link National Trail footpath 122/21/3 Eston Hills.
 - VP18: OS Triangulation point, Eston Nab.
 - VP19: A1185, Seal Sands Road, Stockton-on-Tees.
 - VP20a: Section of the England Coast Path (ECP) National Trail, Stockton-on-Tees.
 - VP20b: Section of the England Coast Path.
 - VP21: Viewpoint within Cowpen Bewley Woodland Park, Stockton-on-Tees.



Based upon the 2022 Ordnance Survey 1:50,000 colour raster map with the permission of the Ordnance Survey on behalf of HMSO, © Crown copyright Licence No. AC0000849896.
 Copyright Terence O'Rourke Ltd, 2023



Notes:

1. Predicted visibility is for observer eye level 1.65m above ground level.
2. The ZTV has been created primarily with LIDAR Composite DSM (Digital Surface Model), a raster elevation model covering ~75% of England at 2m spatial resolution, produced by the Environment Agency. The DSM is produced from the last return LIDAR signal and includes heights of objects, such as vehicles, buildings and vegetation, as well as the terrain surface.

Where there are gaps within the DSM, these have been aggregated with Ordnance Survey Digital Terrain Data on 50m grid with additional screening elements derived from OS vectormap layers. Buildings have been mapped in at an assumed 8m height (average two storey property) and woodland at an assumed height of 12m (for typical woodland). These have been 'stamped' onto the bare earth terrain model. This gives a more realistic impression of theoretical visibility for the proposed development, however it does not take account for hedgerows and isolated mature trees.

- Legend**
- Building Footprint
 - Site Boundary
 - 15km Buffer from Extent of Development
 - Viewpoint Location
 - Energy Recovery Facility Visible

- Viewpoint List:**
- VP1: Footpath to Stainsby Hall Farm, Stainsby.
 - VP2: Permissive Bridleway off Fishponds Road, B1269.
 - VP3: Kirkleatham Lane, A1042
 - VP4: Amenity Green Space, Howcroft Avenue, Dormanstown
 - VP5: Bridleway off Hobson Avenue
 - VP6: Tees Dock Road
 - VP7a: Access point to Teesdale Way (also known as the Black Path) Footpath
 - VP7b: Teesdale Way Footpath
 - VP8: Eston Road, Grangetown
 - VP9: River Tees Viewpoint
 - VP10: Footway adjacent to A66 Bolckow Road/Whitworth Road, Grangetown
 - VP11: Junction of Normanby Road/Poplar Grove
 - VP12: A1085 Trunk Road from the bridge over Church Lane
 - VP13: Local footpath through Eston Recreation Area, off Church Lane.
 - VP14: B1380, High Street, Lackenby.
 - VP15: NCN Route 1, Lackenby
 - VP16: Bridleway within Eston Hills, off Lazenby Bank Road.
 - VP17: Tees Link National Trail footpath 122/21/3 Eston Hills.
 - VP18: OS Triangulation point, Eston Nab.
 - VP19: A1185, Seal Sands Road, Stockton-on-Tees.
 - VP20a: Section of the England Coast Path (ECP) National Trail, Stockton-on-Tees.
 - VP20b: Section of the England Coast Path.
 - VP21: Viewpoint within Cowpen Bewley Woodland Park, Stockton-on-Tees.



Figure 6.4
Zone of Theoretical Visibility:
Screened using DSM data with 15km
Buffer from the Facility (Stack and Buildings)

2019s0951
Redcar - Energy Recovery Facility

Contains Ordnance Survey data ©
 Crown copyright and database right 2019.

JBA Consulting
 Salts Mill, Victoria Road
 Saltire, Shipley
 BD18 3LF

Tel: (01274) 714269
 Fax: (01274) 714272
 www.jbaconsulting.com



