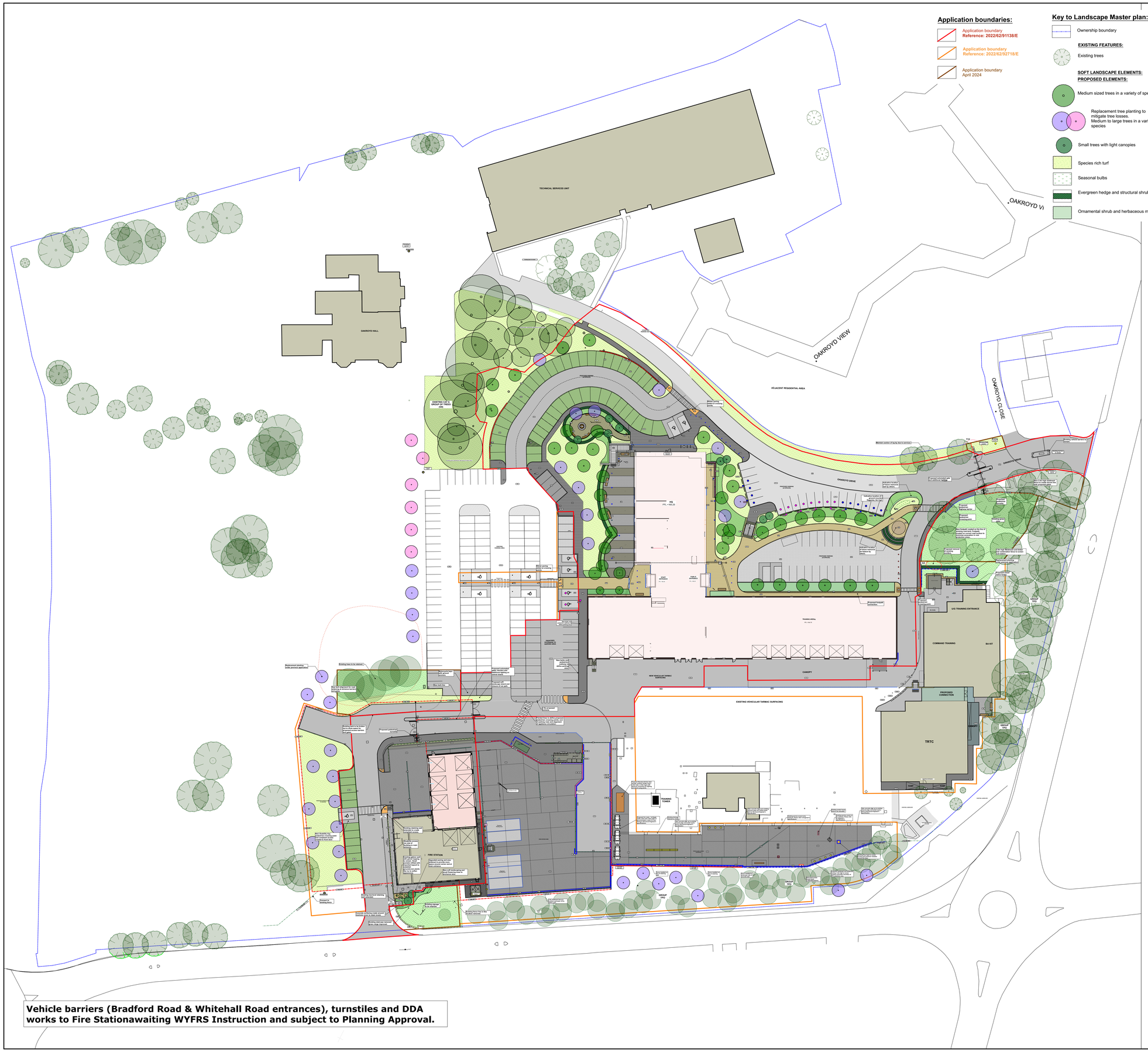

Vehicle barriers (Bradford Road & Whitehall Road entrances), turnstiles and DDA works to Fire Stationawaiting WYFRS Instruction and subject to Planning Approval.

Application boundaries:

- Application boundary **Reference: 2022/62/91138/E**
- Application boundary Reference: 2022/62/92718/E
- Application boundary April 2024

Key to Landscape Master plan:

- Ownership boundary

EXISTING FEATURES:

- Existing trees

SOFT LANDSCAPE ELEMENTS:
PROPOSED ELEMENTS:

- Medium sized trees in a variety of species
- Replacement tree planting to mitigate tree losses. Medium to large trees in a variety of species
- Small trees with light canopies
- Species rich turf
- Seasonal bulbs
- Evergreen hedge and structural shrub planting
- Ornamental shrub and herbaceous mix

HARD LANDSCAPE ELEMENTS:
Retaining walls and level differences:

- RW3 — Low level masonry retaining walls with brick-on-edge or pre-cast concrete coping. Masonry to match architecture. Please refer to detail drawings **HQC004-BBA-Z0-00-DR-L-7814 - Embankment retaining wall sections 1 HQC004-BBA-Z0-00-DR-L-7815 - Embankment retaining wall sections 2 HQC004-BBA-Z0-00-DR-L-7817 - Embankment retaining wall sections 3**
- RW2 — **Reinforced concrete retaining walls.** Please refer to detail drawings: **HQC004-BBA-Z0-00-DR-L-1153 - HQ External staircase & retaining wall HQC004-BBA-Z0-00-DR-L-7819- HQ Building - North-east retaining wall**
- RW1-275, RW2-200, RW3-300 — **Reinforced concrete retaining walls.** Please refer to detail drawings: **HQC004-BBA-Z0-00-DR-L-1008 - Fire Station Yard - Landscape General Arrangement**
- **Staircases** Please refer to detail drawings **HQC004-BBA-Z0-00-DR-L-7806 - HQ Building - Eastern staircase HQC004-BBA-Z0-00-DR-L-7808 - HQ Building - North west external staircase 1 HQC004-BBA-Z0-00-DR-L-7820 - HQ Building - North west external staircase 2 HQC004-BBA-Z0-00-DR-L-7822 - Stairs in Fire Station Yard 1 HQC004-BBA-Z0-00-DR-L-7823 - Stairs in Fire Station Yard 2 HQC004-BBA-Z0-00-DR-L-7816 - Staircase alterations at new canopied access**

Surfacing:
(All base build-ups to Engineer's specification)

- P1 — **Staff break-out area**. Light coloured concrete blocks in a banded pattern.
- P2 — **Main access paths** Concrete blocks in stretcher bond pattern with header course edging.
- P3 — **Parade ground** Permeable concrete blocks in herringbone pattern, with parking demarcation in block of contrasting colour.
- P4 — **Memorial area** Pre-cast concrete setts placed in circular patterns to create a detail element.
- P5 — **Permeable parking areas** Interlocking concrete cavity pavers.
- P6 — **General circulation around building** Grey coloured concrete blocks in stretcher bond with header course edging.
- P7 — Self-binding gravel in break-out areas
- P8 — **Paving flags on staircases** Silver grey concrete flags in stack bond.
- P9 — Disability parking bays Permeable concrete blocks in herringbone pattern, with parking demarcation and disability circulation in permeable blocks of contrasting colour.
- P10 — **Pedestrian crossing points** Marshalls Pre-cast concrete, Tactile Blister Blocks
- P11 — **Pedestrian crossing points** Natural stone Tactile Blister Blocks
- PG — **Pea Gravel on weedproof membrane** Gravel margins adjacent buildings and placeholder surfacing for memorial area.
- **Hazard paving blocks** For tops and bottom ends of staircases and ramps.
- TG — Existing vehicular tarmacadam surfacing to remain
- T1 — New vehicular tarmacadam surfacing to Engineers specification.
- T2 — New pedestrian asphalt surfacing to selected footpaths.
- C2 — Proposed Vehicular concrete surfacing.
- C1 — Concrete surfacing (non vehicular)

Furniture and accessories:

- CS — **Cycle stands** GMS Sheffield cycle stands, root fixed
- B1 — **Telescopic, lift assist bollard**
- B2 — **Standard bollards**
- B3 — **Anti-ram bollards**
- WF — **Waterfeature** Circular corten steel water with bubbling fountain.
- Se1 — **Hardwood bench**
- Se2 — **Bespoke hardwood benches**
- LB — **Litter bin**

Fencing elements:

For detailed information on fencing elements, please refer to:

HQC004-BBA-Z0-00-DR-L-1210 - Fencing, barriers & bollards 1
HQC004-BBA-Z0-00-DR-L-1211 - Fencing, barriers & bollards 2

- R01-1100 — **Flat top railings** Galvanised mild steel to top of retaining walls and in areas where fall exceeds 380mm. Colour: Natural steel Size: 1100mm height
- R02 — **Flat top railings** Galvanised mild steel to top of retaining walls and in areas where fall exceeds 380mm. Colour: Epoxy coated grey, Anthracite RAL 7014 Size: Height varies, refer to detail drawings.
- R03 — **Pedestrian highway barrier** Size: 1.1m high, with visibility section. Colour: Galvanised mild steel, natural steel colour, not painted.
- F-Ex WM 2400 — **Existing welded mesh fencing to remain or made good.** Size: 2.4m high. All new panels to match existing.
- F-WM 2400 — **Proposed welded mesh fencing**
- F-WM&T 2400, F-WM&T 3000 — **Welded mesh fencing with timber slats incorporated** Two heights, 2.4m on southern perimeter of RTC yard and 3.0m high to screen sub-station.
- F-CB-1800 — **Close board fencing** Around bin store, 1.8m high.
- G2 — **Double leaf gate to match fencing around bin store.** Size:1.8m high x 2.1m clear opening with heavy duty hinges and thumb lock system. Fixed to galvanised mild steel posts, set in concrete foundations to Structural Engineer's specification.

Gates and Vehicle barriers:

- G3 — **Access control barriers** Automated access barrier to security consultant specifications.
- G4 — **Access control gates** Automated access barrier to security consultant specifications.

Kerbs, edgings & Landscape Protection:

For detailed information on kerb layout, please refer to:

HQC004-BBA-Z0-00-DR-L-1200 - HQ & Training Arena - Kerbs and Edg
HQC004-BBA-Z0-00-DR-L-1201 - HQ & Training Arena - Kerbs and Edg
HQC004-BBA-Z0-00-DR-L-1202 - West of HQ - Kerbs and Edges 3
HQC004-BBA-Z0-00-DR-L-1204 - Parking Area - Kerbs and Edges 4
HQC004-BBA-Z0-00-DR-L-1203 - Fire Station - Kerbs and Edges 5

- VB1 — **Impact barriers** Low level protection barriers. Powder coated, galvanised mild steel, fixed below ground in concrete footings.
- VB2 — **Vehicle barrier** Galvanised mild steel vehicle barrier, root fixed to concrete foundations to Structural Engineer's specification.
- B1 — **Telescopic, lift assist bollard** Heavy duty bollards to provide flexible access arrangement to parade ground. Fixed below ground in concrete footing.
- B2 — **Standard bollards** Stainless steel bollard with semi-domed top, fixed 300mm below ground in concrete footing.
- B3 — **Anti-ram bollards** Rating to withstand impact of 4.5 tonne and 40km/h in reinforced concrete foundations.

Other elements:

- EV — **Electric vehicle charging station** To be installed by Willmott Dixon under this contract (Refer to specialist supplier's details for installation)
- EV — **Electric vehicle charging station** Future provision, to be installed by others under a seperate contract (Refer to specialist supplier's details for installation)
- FP — **Proposed flag poles** 6m high, white fibre glass flag poles, root fixed in concrete foundation
- CCTV — **CCTV Poles** Existing and proposed. (To Electrical Engineer's specification)

Drainage elements:

- DC — **Drainage channels** Aco slot-drainage channels to door thresholds and curtain wall sections. Product to Engineer's Drainage design specification.
- GU — **Gulley positions** Proposed gulley inlets Product to Engineer's Drainage design specification.

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Immediately report any discrepancies on this document to the Originator. This document shall be read in conjunction with associated models, specifications and related consultants' documents.

North

rev	description	drawn	checked	date
C12	Updates to memorial area, training arena path, area surrounding fire station.	LVW	BB	2024/04/11
C11	Updates to layout of gates and barriers at Whitehall Road.	LVW	BB	2024/04/03
C10	Additional survey info added to correct information around north-east corner of BA building. Minor amendments to annotations.	LVW	BB	2024/03/20
C09	Updates to reflect proposed gates, barriers, landscape changes to sub-station area, training arena path and landscape improvements to fire station landscape.	LVW	BB	2024/03/07

B
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West Yorkshire Fire & Rescue

Birkenshaw Fire Services HQ
Oakroyd Hall Site

WILLMOTT DIXON
West Yorkshire Fire & Rescue Service

Landscape Masterplan

Originator project ref **21018**	Purpose of Issue **For Stage Approval**
Scale(s) **1:400**	Status **S4 Stage 4**
Paper size **A0**	Revision **C12**

project originator volume level type role number: **HQC004 - BBA - Z0 - 00 - DR - L - 1010**
status revision: **S4 C12**