



- KEY**
- SITE BOUNDARY**
- PROPOSED HARDWORKS**
Refer to detail drawings VNIF-PLA-22-VY-081-0000-5002 for more information.
- CLAY PAVING** - Pedestrian grade
Product: Natural Clay Paving by Hardscape (USA)
Colour: Terra, 30% Stone Watermark
Size: 200mm (x) 150mm (y) x 65mm (d)
Laid: stretcher/batter bond as shown (TBC)
- CLAY PAVING** - Vehicular grade
Product: Natural Clay Paving by Hardscape (USA)
Colour: Terra, 30% Stone Watermark
Size: 200mm (x) 150mm (y) x 65mm (d)
Laid: stretcher/batter bond (TBC)
- HBA SURFACING (Vehicular)**
Location: to vehicular carriageway on Platform Avenue
Material: HBA to Arup details and specification. Refer to Arup drawings.
- HBA SURFACING (Temporary Carriageway)**
Location: to vehicular carriageway on Platform Avenue
Material: HBA to Arup details and specification. Surface Course not to be installed for temporary carriageway. Refer to Arup drawings.
- PERMEABLE SURFACING (Parking/Loading Bay)**
Location: to parking and loading bays on Platform Avenue
Material: Permeable block paving. Surface Course not to be installed for temporary carriageway. Refer to Arup drawings.
- ASPHALT SURFACE (Pedestrian)**
Location: to pedestrian routes on Platform Avenue
Material: Asphalt Surfacing. Surface Course not to be installed for temporary footway. Refer to Arup drawings.
- GRANITE SETTS**
Location: to St Catherine's Wood entrance area, Union Waterfront and Red Bank Terrace
Material: European granite natural stone setts
Colour/Finish: 40% Stone Terra (solid flow picked), 30% Anarato monochrome (flamed), 30% Basa Terra (flamed)
Cropped sides, down bottoms
Laid: stretcher bond, with single courses of setts to perimeter edges.
- GRANITE SETTS**
Location: to St Catherine's Wood entrance area, Union Waterfront and Red Bank Terrace
Material: European granite natural stone setts
Colour/Finish: 40% Stone Terra (solid flow picked), 30% Anarato monochrome (flamed), 30% Basa Terra (flamed)
Cropped sides, down bottoms
Laid: Right, stretcher bond, down joining
- RESIN BOUND GRAVEL SURFACING**
Location: Site wide
Product: Sealed Resin Bound Surfacing System (Interpave)
Finish/Colour: Green Winter Bronze or similar and approved.
Notes: Open graded asphalt binder course (10mm depth) to Arup details and specification. Refer to detail drawing VNIF-PLA-22-VY-081-0000 for more information.
- GREEN GRASS PAVING**
Product: Natural Clay Paving by Hardscape (USA)
Colour: Terra, 30% Stone Watermark
Size: 200mm (x) 150mm (y) x 65mm (d)
Laid: stretcher bond, with single courses of setts to perimeter edges.
- STEEL GRATING DECKS**
Location: Red Bank Terraces, St Catherine's Wood
Material: Galvalume steel structural frame with galvanneal steel deck (S355)
System to be developed with Wuland AB (USA)
To meet required slip resistance standards
Finish: Carbon frame, galvanneal steel decking
- STEEL GRATING STEPS**
Location: Red Bank Terraces, St Catherine's Wood
Material: Galvalume steel structural frame with galvanneal steel deck (S355)
System to be developed with Wuland AB (USA)
To meet required slip resistance standards
Finish: Carbon frame, galvanneal steel decking
- TACTILE HAZARD WARNING STRIPS**
Location: Red Bank Terraces and St Catherine's Wood
Material: Tactile strips mechanically fixed to metal decking or road fixed into groundplane
- COMPOSITE TIMBER DECKING**
Location: to elevated walkway by route in St Catherine's Wood and Union Waterfront deck
Product: Larch FSC timber composite decking
Colour: Natural
Finish: To meet required slip resistance
- PRE-CAST CONCRETE STEPS**
Location: to Union Waterfront and Red Bank Terraces
Material: Pre-cast concrete with stone aggregate
Product: M&A design ref BSC135
Supplier: Dux Concrete Products Ltd (USA)
Colour: Buff/neutral tone
Finish: combination of light/medium/heavy acid etched finishes with contrasting nosings
- PRE-CAST CONCRETE SEATING STEPS**
Location: to Union Waterfront and Red Bank Terraces
Material: Pre-cast concrete with stone aggregate
Product: M&A design ref BSC135
Supplier: Dux Concrete Products Ltd (USA)
Colour: Buff/neutral tone
Finish: combination of light/medium/heavy acid etched finishes
- IN-SITU CONCRETE STEPS**
Location: to Union Waterfront and Red Bank Terraces
Material: Concrete, for faced finish
Colour: Natural/gray
Notes: To have contrasting aluminium nosings mechanically fixed
- TACTILE BLISTER HAZARD PAVING**
Location: road crossings
Material: pre-cast concrete
Colour: Natural
Size: 400mm (x) x 400mm (y) x 50mm (d)
Finish: as call
Laid: Right, stretcher bond
- BARK CHIPPINGS**
Location: to secondary pedestrian paths in St Catherine's Wood
Material: Bark chippings, opportunity to use chipped site won timber from tree clearance
Colour: Natural
Notes: To have GWP Anti-Slip flat plate strips by GripClad (USA) to be mechanically fixed to the sleeper tops
- TIMBER SLEEPER STEPS ALONG BARK PATH**
Location: to informal tertiary routes within St Catherine's Wood
Material: Larch FSC timber sleepers
Colour: Natural
To have GWP Anti-Slip flat plate strips by GripClad (USA) to be mechanically fixed to the sleeper tops
- RUBBER BARK LOOK CHIPPINGS**
Location: to St Catherine's Wood Play Area
Material: Tiger Bark or similar and approved
Colour: Earth
- STEPPING STONE PATH**
Location: to St Catherine's Wood tertiary routes
Material: European granite natural stone setts
Colour: Buff/neutral tone (TBC)
Size: 400mm (x) x 400mm (y) x 75mm (d)
Finish: Picked surface, cropped sides
Laid: as concrete handings
- TEMPORARY TARMACADAM SURFACING**
Location: to provide link between Union Waterfront and Red Bank Terraces
Material: Asphalt to engineers details and specification
Notes: to be replaced by future landscaping
- COLOURED ASPHALT SURFACING**
Location: to ridge promenade at Platform level and to Red Bank Terrace
Material: Buff Ultradur by Tarmac or similar and approved
- TIMBER SLEEPERS IN SELF-BINDING GRAVELS**
Location: to Red Bank Viaduct
Self-binding: Random Golden Amber Gravel or similar and approved
- PROPOSED SUBSTATION**
- PILOT FOOTPRINT**
Plot groundworks prepared but no construction work as part of rail infrastructure.
- EXISTING CONDITION**
No groundworks or preparation as part of rail infrastructure work.

- PROPOSED SOFTWARES**
- EXISTING TREES RETAINED**
Subject to further detailed design
- EXISTING WOOLAND RETAINED**
To St Catherine's Wood
- EXISTING WOOLAND DEMOLISHED**
To St Catherine's Wood
Refer to drawing for notes
Approx area: 1215sqm
- WOOLAND MATRIX MIX**
To St Catherine's Wood
Refer to drawing for notes
Approx area: 200sqm
- WOOLAND EDGE MIX**
To St Catherine's Wood
Refer to drawing for notes
Approx area: 1205sqm
- ORNAMENTAL PLANTING**
To Red Bank Terraces
Refer to drawing for notes
Approx area: 1535sqm
- ORNAMENTAL PLANTING**
To Red Bank Terraces
Refer to drawing for notes
Approx area: 1535sqm
- AQUATIC MARGINAL VEGETATION**
To Blown Edge
Refer to drawing for notes
Approx area: 200sqm
- HEDGE PLANTING**
Wood native species hedgerow mix to northern boundary
Approx area: 120sqm

- NOTE: Future Plot Extents are Indicative Only**

Safety, Health and Environmental Information

Notes below are additional to hazards/risks normally associated with this type of work. Numbers correspond to Risk Register references (document reference VNIF-ARP-ZZ-YYY-RE-WD-5002)

Construction

- HAZ-GE-001 Excavation near slopes
- HAZ-GE-004 Ground contamination
- HAZ-LA-007 Condition of existing trees
- HAZ-SE-001 Slips, trips, falls down embankment
- HAZ-ST-005 Potential instability of Creamline Dairies retaining wall
- HAZ-ST-006 Working near existing structures
- HAZ-ST-012 Buried Structures
- HAZ-ST-013 Lifting of heavy elements
- HAZ-SW-001 Working adjacent to live traffic
- HAZ-SW-002 Buried existing services
- HAZ-SW-003 Working adjacent to live water course
- HAZ-SW-004 Deep excavations
- HAZ-SW-005 Working on or adjacent to historic structures
- HAZ-SW-006 Asbestos - operatives in contact with asbestos materials
- HAZ-SW-011 Contact with hazardous plants / vegetation
- HAZ-SW-012 Risk of water borne diseases
- HAZ-SW-013 Human debris / drug paraphernalia

Rev **Date** **Description** **By** **Chkd** **Appd** **Auth**

P07	16.09.22	Stage 4 issue - drawing pack amends	BM	MS	GB	GB
P06	04.08.22	Stage 4 issue - refer to revision notes	BM	MS	GB	GB
P05	19.07.22	Stage 4 issue - PF to review	BM	MS	GB	GB
P04	13.06.22	Stage 4 Issue	BM/SR	MS	GB	GB
P03.03	25.05.22	Interim GA Issue - for coordination	BM/SR	MS	GB	GB
P03.02	03.05.22	Interim GA Issue for costing	BM/SR	MS	GB	GB
P03.01	22.04.22	Interim GA Issue - for coordination/costing	BM/SR	MS	GB	GB
P03	07.03.22	Costing	BM	MS	GB	GB
P02.08	02.03.22	Final Draft Planning	CL	MS	GB	GB
P02.07	14.02.22	Draft Planning	CL	MS	GB	GB
P02.06	14.02.22	Draft Planning	BM	MS	GB	GB
P02	11.02.22	Draft Planning	BM	MS	GB	GB
P02.05	04.02.22	Draft Planning	BM	MS	GB	GB
P02.04	31.01.22	Draft Planning	SR	MS	GB	GB
P02.03	27.01.22	Draft Planning	BM	MS	GB	GB
P02.02	27.01.22	Draft Planning	BM	MS	GB	GB
P02.01	25.01.22	Draft Planning Issue	BM	MS	GB	GB
P01	17.12.21	Stage 3 Issue	SR	MS	GB	GB
P01.02	10.12.21	For Information	SR	MS	GB	GB
P01.01	07.12.21	For Information	SR	MS	GB	GB

Client

MANCHESTER CITY COUNCIL

bam nuttall

Project Title

Victoria North HIF Infrastructure

Key Plan

Drawing Title

Landscape General Arrangement
HIF Delivery Plan

Scale at A1
1:1000

Plant-IE Job No
2700

Role
Landscape Architect

Suitability
S3

Rev **By** **Chkd** **Appd**

P07	SR	MS	MS
Date	Date	Date	Date
16.09.22	16.09.22	16.09.22	16.09.22

Name

Project	Originator	Volume	Location	Type	Role	Number
VNIF	PLA	ZZ	YYY	DR	L	1011

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