



OVG MANCHESTER
SCHEDULE FOR: LANDSCAPE MATERIALS

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02.12.2021

Project Name: **OVG MANCHESTER**
File Number: **BRA-POP-ZZ-ZZ-SH-L-7802**
Document Title: **SCHEDULE FOR: LANDSCAPE MATERIALS**
Status: **HARD LANDSCAPE PACKAGE ISSUED FOR CONSTRUCTION**
Revision: **C01**

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REVISIONS

Revision	Date	Prepared by	Approved By	Issue status
P01	30.10.2019	FP	TJ	STAGE 3 DESIGN FREEZE UPDATE
P02	29.11.2019	FP	TJ	RIBA STAGE 3 DRAFT
P03	14.04.2020	FP	TJ	ISSUED FOR T1 DRAFT STAGE 4A
P04	22.06.2020	FP	TJ	ISSUED FOR T2 STAGE 4A
P05	30.10.2020	FP	TJ	STAGE 4A - INCREASE IN SCOPE TO PLANNING BOUNDARY
P06	30.04.2021	FP	TJ	STAGE 4B HARD LANDSCAPE
P07	18.06.2021	FP	TJ	STAGE 4B TO INCORPORATE VE
C01	02.12.2021	FP	TJ	HARD LANDSCAPE PACKAGE ISSUED FOR CONSTRUCTION

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PROJECT BRADFORD
LANDSCAPE MATERIAL SCHEDULE
FOR CONSTRUCTION

Code	Name	Location	Size	Thickness	Material	Colour	Finish	Joint	Product	Manufacturer / Notes	Comments
PAVING											
EXT-101	Concrete block paving - type1	Ground Floor	200x200, 200x300, 300x300,	80	Concrete	Charcoal	Textured	6mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Lay on 40mm stentec mortar,6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-102	Concrete block paving - type2	Ground Floor	200x200, 200x300, 200x600	80	Concrete	Dark Grey	Textured	6mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Lay on 40mm stentec mortar, 6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-103	Concrete block paving - type3	Podium (non Permeable area)	200x200, 200x300, 300x300	80	Concrete	Charcoal, Light Grey	Textured	6mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Lay on 40mm stentec mortar, 6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-104	Concrete block paving - type4	Podium (non Permeable area)	200x200, 200x300, 200x600	80	Concrete	Dark Grey	Textured	6mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Lay on 40mm stentec mortar, 6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-105	Concrete block paving - type5	Podium (Permeable area)	200x200, 200x300, 300x300	80	Concrete	Charcoal	Textured	10mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Spacer Nibs of the paving block no less than 5mm Lay on 40mm stentec permable bedding 5mm joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar Stentec tuftflow permeable jointing mortar Reduced depth at door threshold on Level 01 (North West Podium) No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-106	Concrete block paving - type6	Podium (Permeable area)	200x200, 200x300, 200x600	80	Concrete	Dark Grey	Textured	10mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Spacer Nibs of the paving block no less than 5mm Lay on 40mm stentec permable bedding 5mm joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar Stentec tuftflow permeable jointing mortar Reduced depth to 30mm at door threshold on Level 01 (North West Podium) No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-118	Concrete block paving - type7	Podium (non Permeable area)	200x200, 200x300	50	Concrete	Charcoal	Textured	6mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Lay on 40mm stentec mortar, 6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing Paving supplied with pre-applied sealer from Manufacturer and full cleaning required after installation.
EXT-181	Timber decking -Type1	Podium	140x40		FSC modified wood		with 2.no Slip Resistant aggregate insert	5mm	Keibony Clear	Keibony/Brooks Bros	FSC fixed on timber joist (hardwood) with 316L Stainless Steel Screw and supported by pedestals, 5mm gap between timber panels. 2No. Anti Slip resistance aggregate incert integrated per each panel. Full length of timber to be used no cut beyond 2m length. Coating required as per Manufacturer's recommendation
EXT-183	Timber decking-Type2	Podium (Timber terrace)	140x20		FSC modified wood		with 2.no Slip Resistant aggregate insert	5mm	Keibony Clear	Keibony/Brooks Bros	FSC fixed on timber joist (same wood) with 316L Stainless Steel Screw and supported by Hardwood Joist and support packers, 5mm gap. between timber panels. 5mm gap. Integrated with LED .2No. Anti Slip resistance aggregate incert integrated per each panel. All visible sides of timber to be treated as the same finish Full length of timber to be used. no cut beyond 2m length Coating required as per Manufacturer's recommendation
EXT-191	Tactile Hazard Warning Strip	Podium	25mm		316 Stainless steel					Kent Stainless	Fixed on the paving /decking
EXT-115	Tactile blister paving	Ground floor	400x400x80mm		Concrete	Light Grey			Tactile Blister	Marshalls	Lay on 40mm stentec mortar, 6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing
EXT-112	Concrete paving slab	Ground floor	400x400	80	Concrete	grey	Textured	5mm	Andover washed	Aggregate Industries	
EXT-131	Tarmac	North Junction, Sportcity Way, Forge Lane Bridge and Compound area			Tarmac						to match existing
EXT-136	Tarmac	Connection path									
EXT-135	Green Tarmac	Alan Turing Way Cycle Path			Tarmac	green					standard macadam surfacing with Green Textureflex top coat
EXT-107	Concrete paving slab	Ground floor	200x600	80	Concrete	Charcoal	Textured	6mm	Andover Textured Anthracite Charcoal	Aggregate Industries	Lay on 40mm stentec mortar 6mm recessed joint Stentec tuffbed 2-pack permeable Type B bedding mortar with Stentec tuffbond priming mortar. Stentec tufttop non-permeable Type B jointing mortar Paving to be cut to fit radius of lighting column and HVM bollards as shown on the drawing. No paving to be cut beyond 1/3 of paving size (width and length). Enlarge paving to be used as shown on the drawing
EXT-141	Resin Bonded Gravel	Ground floor				Grey			Addastone	Addagrip	
KERBS											
EXT-201	Concrete raised kerb	Sports City Way & Alan Turing Way	915x145x255		Concrete	Silver Grey	Textured			Marshalls	
EXT-202	Concrete flush kerb	Sports City Way & Alan Turing Way	915x145x255		Concrete	Silver Grey	Textured			Marshalls	
EXT-203	Concrete dropped kerb	Sports City Way & Alan Turing Way	915x145x255		Concrete	Silver Grey	Textured			Marshalls	
EXT-231	Concrete edging	Connection Path and Security Hut area	915x50x150		Concrete	Silver Grey	Textured			Marshalls	
EXT-211	Metal Raised Kerb	East Podium	625mm Height		Galvanized steel (Powder coated)	Black (RAL9005)	Powder coated	6mm	Planterline Bespoke	Kinley	Fixed on concrete upstand, Planterline Bespoke 3mm with 30mm top fold. Corners to be pre-formed by Kinley (no joins on corners). Rectangular cross: planter support brackets to be fixed down with 120mm M10 through bolt Black PPC finish (RAL9005)
EXT-221	Metal Edging	Ground floor and Podium	150mm Height		Aluminium			6mm	AluExcel	Kinley	metal edging to be installed 100% flush with adjacent paving.
FURNITURE											
EXT-311	Bespoke seating wall	South Podium	As per drawings		Precast concrete	Charcoal	light acid etch finish			Bailey Streetscene	module with recessed anti skate slot, 6mm Black mortar joint
EXT-419	Bespoke Barrier with Drink Shelf	South Podium	As per drawings		Galvanized steel (Powder coated)	Black (RAL9005)				Kent Stainless	Timber drink shelf on top of the barrier from Keibony clear, for dimensions refer to drawings
EXT-313	Accessible Armrest	South Podium	As per drawing		Galvanized steel (Powder coated)	Mid Grey (RAL9006)					
EXT-601	Timber cladding	South Podium	As per drawing		FSC modified wood			5mm	TBC by subcontractor	Kent Stainless	Cladding to metal planter on timber terrace. All visible sides of timber to be treated as the same finish
EXT-312	Timber top	South Podium	As per drawing		PEFC hardwood	Natural			Keibony Clear	Keibony/Brooks Bros	Solid timber top fixed on bespoke seating wall with secret fixing (galvanized steel powder coated black RAL9005). All visible sides of timber to be treated as the same finish
EXT-321	Litter Bin	South Podium	850x745x485		Steel	Black (RAL9005)	Powder coated		Radium	Armicle	lockable door, powder coating, Autikey integrated
EXT-331	Metal Planter	South Podium (Sunken Timber Terrace)	As per drawings		Galvanized steel (Powder coated)	Black (RAL9005)	Powder coated		Planterline Bespoke	Kinley	Fixed on concrete slab, Planterline Bespoke 3mm with 200mm top fold. Corners to be pre-formed by Kinley (no joins on corners). Triangular planter support brackets to be fixed down with 120mm M10 through bolt Black PPC finish (RAL9005)
EXT-333	Concrete planter -Type1	Ground Floor and South Podium	As per drawings		To Match façade concrete finish						Precast concrete fixed onto the concrete upstand. 10mm fillet edge, finish and color to match facade precast panel, anti graffiti surface treatment to be applied
EXT-423	Door barrier	Ground floor and South Podium	As per drawings		Precast concrete	Match facade	Match facade				Fixed on concrete upstand
EXT-194	Floorbox	Podium (South)	As per drawing		316L Stainless Steel	Recessed cover	Match facade			GIFAS electric	Floorbox with recessed cover, power, data and water. Recessed cover , material to match and align with adjacent paving
EXT-145	External Stair Nosing	Podium (Timber Terrace)	68x33x3000mm		Aluminium	Snodised silver with Black anti-slip insert			External Outdoor Stair Nosing, Ramp Profile	National stair nosing	Glued on timber step edge, the grooves on the lower side ensure perfect anchoring to the adhesive. Anti-slip resistant compliant due the anti-slip insert in the top profile of the nosing
SECURITY											
EXT-301	Static bollard -type1	Ground Floor			Steel	Black (RAL9005)	PPC		SP400	ATG Access	PAS68 Rated, with white reflective band
EXT-302	Static bollard -type2	Ground Floor			Steel	Black (RAL9005)	PPC		SP1000	ATG Access	PAS68 Rated, with white reflective band
EXT-303	Retractable bollard - type1	Ground Floor & Podium			Steel	Black (RAL9005)	PPC		SP400	ATG Access	PAS68 Rated, with white reflective band
EXT-304	Retractable bollard- type2	Ground Floor			Steel	Black (RAL9005)	PPC		SP1000	ATG Access	PAS68 Rated, with white reflective band
EXT-305	Removable	Connection path			Steel	Black (RAL9005)	PPC		SP400	ATG Access	PAS68 Rated, with white reflective band
EXT-307	Flexible Post	North Junction	100mm Diameter, 1000mm height		Polyethylene (Anti Ageing)	Red (RAL2001)			Flexible Post	TRAFFIC LINE	Bollard for demarcation purpose only, no vehicle mitigation.
EXT-308	Static bollard - type 3	North Junction	150mm Diameter		Steel	Black (RAL 9005)	PPC		101.670 Fixed bollard	ATG Access	Heavy Duty bollard with reflective band
EXT-309	Collapsible bollard	Alan Turing Way exit	810mm Height, 60mm Diameter		Aluminium	Yellow			BX90 5501	Bropap	Fold Down Bollard
EXT-405	Gate - Type1	Ground Floor Sportcity Wall North Walkway	2.4m Height		Steel	Black (RAL9005)	Powder coated			CLD Fencing	Bespoke gate to match existing Sportcity Way gate design, Black
EXT-406	Gate - Type2	Alan Turing Way (Podium Access)	2.4m Height		Steel	Black (RAL9005)	Powder coated			CLD Fencing	LPS 1175 SR 2 Rating
EXT-407	Gate - Type3 Double Swing gate	Podium (Compound Area)	2.4m Height		Steel	Black (RAL9005)	Powder coated			CLD Fencing	LPS 1175 SR 2 Rating
EXT-409	Gate - Type4 Sliding Gate	Podium (Compound Area)	2.4m Height		Steel	Black (RAL9005)	Powder coated			CLD Fencing	LPS 1175 SR 2 Rating, Manually operated gate
EXT-428	Gate Type 5	North Junction	2.4m Height, 6m Width		Steel	Black (RAL 9005)	Powder Coated			CLD Fencing	LPS 1175 SR 2 Rating
EXT-429	Gate Type 6	Sportcity Way, Access to Car Park	2.4m Height, 2.8m Width		Steel	Green (RALxxxx)	Powder Coated			CLD Fencing	Access to North Car Park from Sportcity Way to match Existing Gate
EXT-431	Gate - Type7 Single Swing gate	Ground floor Joe Mercer Way	2.4m Height		Steel	Black (RAL9005)	Powder coated			CLD Fencing	Bespoke gate to match existing Joe Mercer Way gate design, Black
EXT-401	Security Fence	Podium (Compound Area)	2.4m Height		Steel	Black (RAL9005)	Powder coated			CLD Fencing	LPS 1175 SR 2 Rating
EXT-402	Security Fence	Joe Mercer Way	To match height of existing fence		Steel	Green (RALxxxx)	Powder coated			CLD Fencing	LPS 1175 SR 2 Rating
EXT-404	Maintenance gate	Ashdon Canal	2.4m Height		Steel	Green (RALxxxx)	Powder coated			CLD Fencing	LPS 1175 SR 2 Rating
EXT-441	Rising Arm Barrier with Intercom	North Junction			Steel	Green (RALxxxx)	Powder coated			CLD Fencing	Gates to access maintenance area behind green screen at canal level.
EXT-426	Armco Barrier	Podium (Compound Area)			Galvanized steel				ArmcoSAFE – Armco System – HG Buffer (Sprung)	Brandsafe Protection	150 kn load requirement
EXT-418	Head of Stop Barrier	Tier Decking (South-West Podium)			Steel	Black (RAL9005)	Powder coated				Galvanized powdercoated railing with FSC modified wood top as per design drawing
EXT-445	Concrete Barriers	Forge Lane Bridge			Concrete						Anti Graffiti treatment to be provided
EXT-335	Security Booth	Sportcity Way, Car Park access	As per drawings		Refer to Drawings	Refer to Drawings	Refer to Drawings				For all info to security Booth please refer to drawings
FENCE /WALL/RAILING											
EXT-471	In situ concrete wall	Sportcity Way	Various			Natural					
EXT-411	Balustrade -Type1	Podium (South)	1.1m Height		Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Bespoke as per drawing
EXT-412	Balustrade -Type2	Ground Floor North walkway	0.3m Height		Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Bespoke as per drawing
EXT-413	Balustrade -Type3	Ground Floor North East Junction	1.1m Height		Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Balustrade panel fixed on the bollards base plate
EXT-414	Balustrade -Type4	Ground Floor North East Junction	1.1m Height		Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Balustrade panel fixed on the foundation in the ground
EXT-475	Balustrade - Type 5	Podium (South)	0.5m Height		Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Balustrade fixed on top of metal planter along tiered terrace in south-west podium
EXT-415	Hand rail -Type1	Podium			Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Bespoke as per drawing, Understep fixing
EXT-416	Hand rail -Type2	Podium			Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Bespoke as per drawing, fixed on Retaining Wall
EXT-417	Timber Railing	Tier Decking Stairs (South-West Podium)			FSC modified wood	Natural			Keibony Clear	Keibony/Brooks Bros	Bespoke timber railing for slot for LED installation. fixed to steel balusters
TREE PRODUCT											
EXT-501	Root barrier	Podium (East)	2mm THK							GreenBlue Urban	Reroot 1000
EXT-502	Root barrier	Podium (East)	2mm THK							GreenBlue Urban	Reroot 2000
EXT-505	Root director system	Podium (East)	180x15x805x500							GreenBlue Urban	RD1400A RootDirector
EXT-511	Tree anchor system	Podium (Waste Management Area)								GreenBlue Urban	Tree anchoring system to abedman
EXT-512	Tree anchor system	Podium								GreenBlue Urban	Tree anchoring system to slab
EXT-521	Root rain irigation/eration system		as per drawing							GreenBlue Urban	
EXT-525	Root space structure		as per drawing							GreenBlue Urban	Rootspace structure 1 module depth
EXT-533	Drainage layer		85mm THK							GreenBlue Urban	Permevoid drainage layer w/ geotextile protection mat
EXT-535	Natural Aggregate		3-5 mm							GreenBlue Urban	
EXT-537	Geotextile										Separation layer
EXT-539	Protective Mesh				Galvanized Steel				Galvanized Welded Mesh Extra-Heavy 10g (2mm)	MeshDirect	laid on the top of planter between mulch layer and topsoil. Offset front planting shown in the drawings. Secure fixing and removable for planting maintenance. Fixed on under the timber decking and run the full length of decking on all sides as pest proof.
SOFT LANDSCAPE											
EXT-561	Proposed tree										
EXT-565	Proposed shrub										
EXT-568	Proposed planting										
EXT-571	Proposed wildflower mix										
EXT-543	Living Wall	Joe Mercer Way							Live Panel	Mobilane	Light-weight, semi-hydroponic modular panel system. Biodegradable system
EXT-541	Green screen		as per drawing							Mobilane	Freestanding screen. Pruning April-September growing season once per year.
EXT-545	Mulch		8-40mm							Mekcourt Bark Nuggets	50mm Thick over the topsoil. Mulch at 1 cu m of material per 12 sq m.
EXT-551	General planting soil										See section Q28 Specification
EXT-552	Tree cell system topsoil	Tree pits									See section Q28 Specification
EXT-553	Lightweight subsoil										See section Q28 Specification
CLADDING											
EXT-611	Metal Cladding	Tier Decking Stairs	3mm		Galvanized steel (Powder coated)	Black (RAL9005)					
EXT-613	Metal capping plate	South Podium	6mm		Galvanized steel (Powder coated)	Black (RAL9005)	Galvanized steel				Metal capping to cover full build-up at the podium edge to match metal balustrade
DRAINAGE											
EXT-801	Slot drainage -Type1	Ground Floor (Service Yard Entrance)	200mm		Polymer Concrete	Black			Acro RoadDrain 200, 33301	ACO Water Management	
EXT-803	Slot drainage -Type3	Podium (East)	150x180x1000mm		Polymer Concrete	Black			Monodrain PD1000 28400	ACO Water Management	
EXT-811	Drainage Floor gully	Podium (Waste Management Area)	150x150x57mm		Stainless Steel				L2106 Vari-Level Grating	Wade	
EXT-815	Slot drainage -Type4	Forge Lane Bridge	135x200mm		Stainless Steel				MultiDrain	ACO Water Management	
EXT-817	Slot drainage -Type5	Forge Lane Bridge	135x70mm		Stainless Steel				MultiDrain	ACO Water Management	
EXT-819	Slot drainage - Type 6	North Junction	250mm Unit		Reinforced Concrete	Standard Grey			Max 4 Channel	Marshall	Along Highway Boundary line to match Existing