

Notes:

The following notes apply to Sheets 1 to 19 drawings ENV000009C-JAC-ZZ-ZZ-DR-L0013 TO L0031 and Ribble Sidings drawing ENV000009C-JAC-ZZ-42X-DR-L-0002.

- All existing trees in close proximity to the working area to be protected in accordance with BS 5837:2012 Trees in relation to design, demolition and construction for the duration of the works.
- All measurements given are in metres unless otherwise stated and are approximate. This drawing is to be read in colour.
- The contractor is to verify the presence and location of all underground utilities prior to the commencement of the works and undertaking any excavation works.
- All planting and seeding to be undertaken in accordance with the landscape and ecology specification for the works.
- All arisings other than felled timber as specified are to be removed off site to a licensed tip.
- Refer to the engineer's drawings for the location, design and specification of walls, fencing and gates, all surfaces.

Ground Preparation and Topsoil Reinstatement:

- Extent of reinstatement is indicative and will be subject to final extent of flood defence works and temporary construction land take.
- All disturbed ground to be reinstated and decompacted where necessary. This includes compaction arising from construction operations, site compounds or trafficking including trampling by pedestrians along temporary footpath diversion routes. All areas to be decompacted prior to reinstatement of topsoil profiles to match existing profiles and grass seeding.
- Topsoil profiles to be reinstated with a mix of site-won topsoil sourced from working areas and imported topsoil as necessary to make up the shortfall. Imported topsoil shall comply with BS 3882:2015 and be of light or medium texture, having a pH value of between 6 and 7.5. Imported topsoil shall not contain stones greater than 20mm in size, nor have a total stone content exceeding 10% by mass.

- Grass Seeding and Sports Pitch Reinstatement**
- Flood embankment and reinstatement areas to have a minimum depth of 100mm topsoil and seedbed prepared and sown with species-rich grassland and wildflower mixes as detailed on drawing ENV000009C-JAC-ZZ-42X-DR-L002, specification and the schedules on this drawing. Grass areas to be reinstated to match existing profiles prior to construction or to comprise 100mm minimum depth of topsoil (whichever is greater) to tie in with existing adjoining levels, and the seedbed cultivated, prepared and sown with the appropriate seed mix.
- Proposed wetland scrape areas to be located within wildflower mix EM8 to be as shown on drawing ENV000009C-JAC-ZZ-42X-DR-L002.

- BAC sports pitches ground preparation, drainage, turf and seeding reinstatement to be undertaken by a specialist sport pitch contractor. Sports pitch drainage to tie in with existing. All disturbed areas to be made good.

Shrub Planting Areas

- Shrub planting plots to have a minimum of 300mm depth topsoil. Subsoil to be decompacted and topsoil cultivated to full depth.
- An approved wood chip mulch to be applied around and under shrub planting to a minimum depth of 75mm.

Tree Planting

- Refer to the specification Section Q31 for tree pit preparation, planting and staking information.

Maintenance

- The maintenance establishment period for the contract is one year post construction. At the end of the one year establishment period, the EA will transfer responsibility to the landowner.

Fishwick Bottoms - Plant Schedules

- Refer to drawing ENV000009C-JAC-ZZ-ZZ-DR-L0031 for Fishwick Bottom plant schedules.

OVERALL PLANT SCHEDULES:

Specimen Shrubs								
Species	Abbreviation	Form	Pot vol	Height	Type	Habit	No. of breaks	Sheet 14
Amelanchier lamarkii	AL	Shrub	15L	175-200cm	CG	Feathered	5	2
Cornus kousa	CK	Shrub	30L	150-175cm	CG	Branched	5	4
							Total	6

Wildflower Plugs (Ribble Sidings)							Total
Latin name	Common name	Area (m²):	W1	W2	W3	W4	Total
To be planted a 3/m². All to be 9cm plugs, random mix.							
Lithium salicaria	Purple Loosetrife	20	3	3	3	3	12
Digitalis purpurea	Foxglove	20	3	3	3	3	12
Campanula trachelium	Nettle Leaved Bellflower	20	3	3	3	3	12
Lychnis flos-cuculi	Ragged Robin	20	3	3	3	3	12
Stachys officinalis	Betony	20	3	3	3	3	12
Total							60

Shallow Water Wetland Planting (Ribble Sidings)									
All to be 1L pots, to be planted on just wetted ground. Planting density 3/m², random mix.									
Latin name	Common name	Area (m²):	Plot R1.0	Plot R1.3	Plot R1.5	Plot R1.6	Plot R1.9	Plot R1.10	Total
All to be 1L pots, to be planted on just wetted ground. Planting density 3/m², random mix.									
Alisma plantago-aquatica	Water Plantain	14	10	12	7	15	9	9	62
Apium nodiflorum	Fool's Water-ress	14	10	12	7	15	9	9	62
Glyceria fluitans	Floating Sweet-grass	14	10	12	7	15	9	9	62
Iris pseudacorus	Yellow Flag	14	10	12	7	15	9	9	62
Lithium salicaria	Purple Loosetrife	16	11	14	8	17	11	11	72
Myosotis scorpioides	Water Forget-me-not	14	10	12	7	15	9	9	62
Veronica beccabunga	Brooklime	14	10	12	7	15	9	9	62

Medium Depth Water Wetland Planting (up to 1.0m) Ribble Sidings							
All to be 1L pots, to be planted on lower shelves within the scrape. Planting density 3/m², random mix.							
Latin name	Common name	Area (m²):	Plot R1.2	Plot R1.4	Plot R1.8	Plot R1.11	Total
All to be 1L pots, to be planted on lower shelves within the scrape. Planting density 3/m², random mix.							
Ceratophyllum demersum	Ring Hornwort	16	6	6	4	5	21
Callitriche obtusangula	Blunt-fruited Water Starwort	16	6	6	4	5	21
Potamogeton crispus	Curled Pondweed	16	6	6	4	5	21
Potamogeton natans	Common Pondweed	16	6	6	4	5	21
Sparganium erectum	Branched Bur-reed	16	6	6	4	5	21
Sagittaria sagittifolia	Arrowhead	20	9	9	5	9	32

Reedbed (Medium depth water wetland planting) Ribble Sidings					
All to be 1L pots except reeds and rushes to be 300x300x300mm clumps. Planting density 3/m² in species groups of 3, random mix.					
Latin name	Common name	Area (m²):	Plot R1.1	Plot R1.7	Total
All to be 1L pots except reeds and rushes to be 300x300x300mm clumps. Planting density 3/m² in species groups of 3, random mix.					
Phragmites australis	Common Reed	20	19	16	35
Hypericum elodes	Marsh St. John's-wort	16	15	13	28
Stachys palustris	Marsh Woundwort	16	15	13	28
Eleocharis palustris	Common Spike-rush	16	15	13	28
Carex paniculata	Greater Tussock-sedge	16	15	13	28
Valeriana officinalis	Common Valerian	16	15	13	28

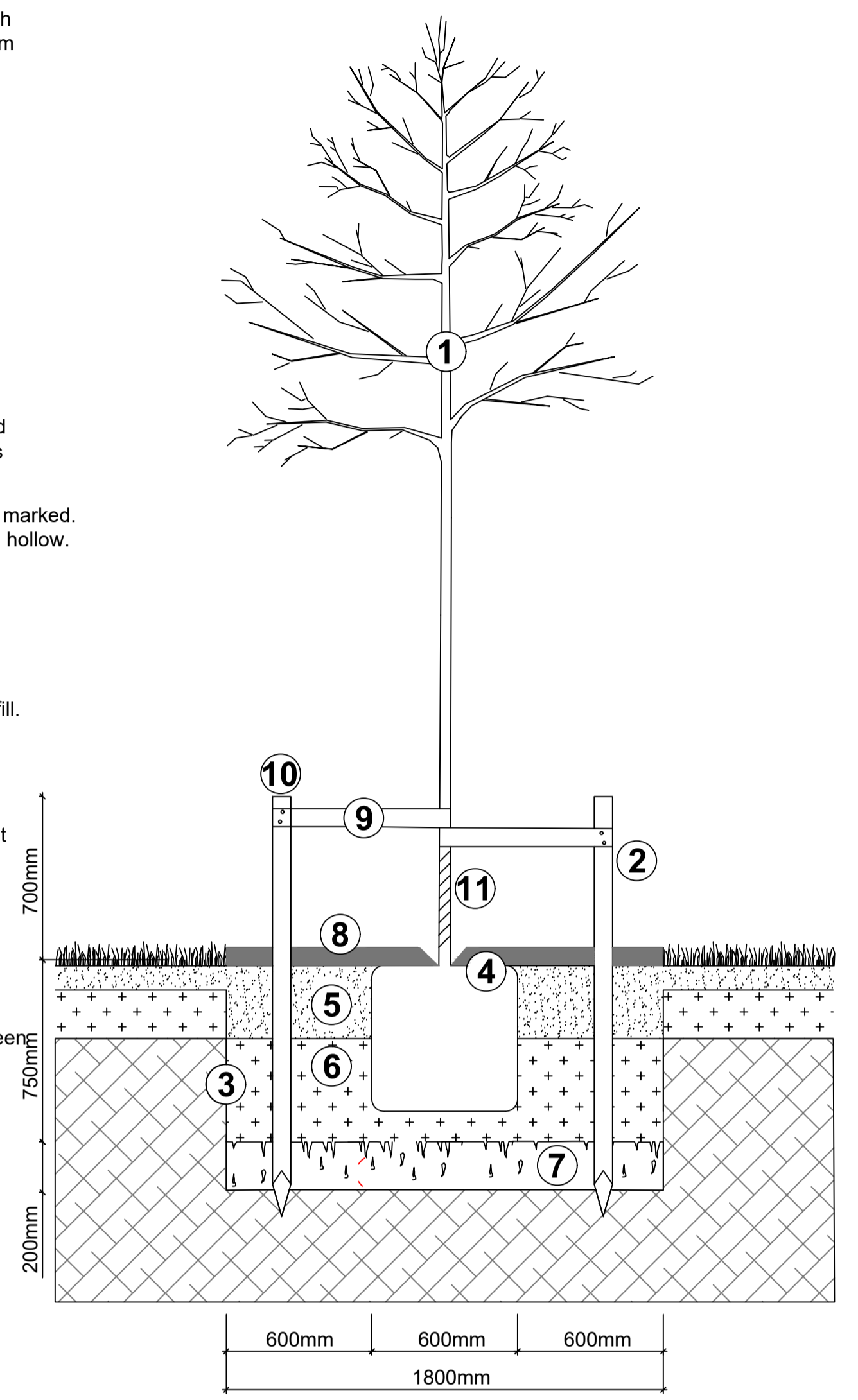
Tree Planting							Sheet 9	Sheet 12	Sheet 13	Sheet 14	Ribble sidings	Total
Species	Common Name	Form	Girth	Height	Root Condition							
Acer campestre	Field Maple	Heavy standard	12-14cm	3.5-4.25m	Bare root			5	5	5		15
Betula pendula	Silver Birch	Heavy standard	12-14cm	3.5-4.25m	Bare root			1	3			4
Betula pubescens	Downy Birch	Heavy standard	12-14cm	3.5-4.25m	Bare root					3		3
Sorbus aucuparia	Rowan	Heavy standard	12-14cm	3.5-4.25m	Bare root				3			3
Alnus glutinosa	Alder	Heavy standard	12-14cm	3.5-4.25m	Bare root		8	4				12
Populus alba	White Poplar	Heavy standard	12-14cm	3.5-4.25m	Bare root			3	6			9
Populus tremula	Aspen	Heavy standard	12-14cm	3.5-4.25m	Bare root		6					6
Salix alba	White Willow	Heavy standard	12-14cm	3.5-4.25m	Bare root		3	2				5
Salix caprea	Goat Willow	Standard	8-10cm	2.5-3.0m	Bare root			1	4			5

Orchard Trees							Sheet 3	Ribble Sidings	Total
Species	Common Name	Form	Girth	Size	Root Condition	Rootstock			
Malus domestica 'Cox's Orange Pippin'	Apple (eating)	Standard	8-10cm	2 yr (1.75m)	BR	M25		3	3
Pyrus communis 'Conference'	Pear	Standard	8-10cm	2 yr (1.75m)	BR	Pyrus communis		3	3
Prunus domestica 'Victoria'	Plum	Light Standard	6-8cm	1yr	BR	Brompton			3
Prunus insititia 'Merryweather'	Damson	Half standard	6-8cm	1 yr	BR	Brompton			3
Prunus avium 'Stella'	Cherry	Standard	8-10cm	2.5-3.0m	BR	Gisela 6			3

Bulb Planting											
Planted at 30no. Bulbs per m2, random / natural layout in species groups of between 10 and 30.											
Species and abbreviation	Form	Grade	Minimum circumference	Common name	Plot B3.1	Plot B3.2	Plot B3.3	Plot R1.13	Plot R1.14	Plot R1.15	Total
Galanthus nivalis	Bulb	4/5cm	4	Snowdrop	600	350	170	150	150	150	1570
Narcissus pseudonarcissus 'lobularis'	Bulb	8/10cm	7	Daffodil	600	350	170	150	150	150	1570
Crocus tommasinianus	Bulb	5cm	topsize	Early Crocus	600	350	170	150	150	150	1570

Extra Heavy standard tree pit detail

- Extra Heavy standard trees shall be minimum 3.50m high with a minimum girth of 14-16cm. The trees shall conform to BS 3936 Part 1 and shall have a well defined clear upright central stem of 175 - 200cm.
- The tree shall be supported by two stakes, each stake shall be whole sections of softwood timber to 75mm top diameter, and peeled. They shall be driven 300mm below the bottom of the pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 700mm above ground level (about a third of the height of the trunk).
- Tree pit detail based on a rootball or containerised tree. Pit 1000x1000x750mm deep. Sides of pit loosened with fork prior to planting. Shape of pit may vary on site depending on site conditions. Variations in gradients and variations in rootball size will require minor modifications to the tree pit as shown.
- Soil level at soil level on stem as previously grown to be marked. Plant tree at depth to match this level. Allow for watering hollow.
- Back fill in the top 300mm of the pit to be a mix of 80% topsoil (existing or to BS 3882:2015) and 20% peat free organic planting compost with a pH of 6.5-7.5. Use of 'Enmag' slow release fertiliser tablets (or similar approved) only to be used on instruction within the backfill. This would be in accordance with manufacturer's recommendations.
- Backfill with site-won subsoil.
- Break up bottom of pit to a depth of 200mm. If base of pit is wet excavate 200mm and replace with drainage layer of clean angular stone. Seek advice, and provide for additional positive drainage if required.
- 75mm thickness ornamental bark mulch shall be applied to a 500mm radius around the tree, apart from the immediate base of the root collar.
- Tree ties shall be used to centrally secure the tree between the two stakes.
- Ties to be fixed to the stakes by galvanised clout nails.
- Recycled PVC, photodegradable clear / transparent spiral guards to height of 750mm from base of tree.



CO3	04.10.2021	FOR CONSTRUCTION, FCC & Rivers Trust comments	AR	MJ	MJ	JF
CO2	29.06.2021	FOR CONSTRUCTION	AR	KR	KR	MW
PO1	21.05.2021	FOR EA COMMENT	AR	KR	KR	MW
Rev	Rev. Date	Purpose of revision	Orig	Check'd	Rev'd	Apprv'd



Project Preston & South Ribble
Flood Risk Management Scheme

**LANDSCAPE PROPOSALS
OVERALL PLANT SCHEDULES & NOTES
SHEET 20 OF 21**

Drawing status	A5 - Authorised and accepted Stage 5	Suitability	A5
Scale	1:250 @ A1, 1:500 @ A3	DO NOT SCALE	

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Drawing number
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