

Notes

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4. ENVIRONMENT AGENCY, OS LICENCE NUMBER: 100026380

Key to symbols

Existing tree

To be retained

Existing tree

To be removed

Proposed specimen tree

Proposed embankment

Main embankment seed mix to use EM10 at 4g/m2

Proposed path access

Proposed flood wall

Proposed access steps

Proposed embankment

Rounded embankment

Shape of embankment to be more rounded

Infill embankment

Topsoil to be graded to existing and proposed finished levels and profiles

Reference drawings

ENV000389C-MMD-DZ-00-MZ-UT-0106008-STATS Model Detailed Design (2D).dwg

ENV000389C-MMD-DZ-01-DR-S-0213154

ENV000389C-MMD-DZ-01-MZ-S-0213129

ENV000389C-MMD-DZ-02-MZ-MZ-Z-0103009

ENV000389C-MMD-DZ-02-MZ-MZ-Z-0114001

ENV000389C-MMD-DZ-02-MZ-MZ-Z-0114001

See drawing for dimensions and gradients:  
ENV000389C-MMD-DZ-01-DR-S-0213154

C03	04/11/2019	AD	Change to Planting Requirements	MB	JS
C02	22/05/2019	SP	Construction Issue - no change	MB	JS
C01	20/05/2019	SP	Construction Issue	MB	JS
P04	02/04/2019	AD	Fourth Issue	MB	JS
P03	17/01/19	AD	Third Issue	MB	JS
P02	5/12/19	AD	Second Issue	MB	JS
Rev	Date	Drawn	Description	Ch'k'd	App'd

Status Stamp

FOR CONSTRUCTION

M

M

MOTT

MACDONALD

Client

Environment Agency  
Richard Fairclough House  
Knutsford Road  
Warrington  
WA4 1HG

Title

Radcliffe & Redvales FRMS  
Phase 1 - Detailed Design  
Dumers Lane  
Final Landscape Masterplan  
Sheet 01 of 01

Designed	H Wilcox	HW	Eng check	L Bagshaw	LB
Drawn	H Wilcox	AD	Coordination	J Starling	JS
Dwg check	M Brewster	AD	Approved	J Starling	JS

MMD Project Number

399533

Scale at A1

1:1000

Security

STD

Suitability Description

Suitable for Information

Suit. Code

S2

Drawing Number

ENV000389C-MMD-DZ-00-DR-L-0307009

Revision

C03

Timber hit and miss fence above piled flood wall

Compacted aggregate perimeter footpath and vehicular access to proposed flood embankment

Flood embankment slopes down to football pitches

Existing football pitches

Compacted aggregate perimeter footpath

Shaped concrete coping above timber cladding on proposed sheet pile flood wall

Sketch view looking northwest towards the junction of the proposed flood embankment and wall, Close Park

Sketch view towards the proposed flood wall from Dumer's Lane

Bankside vegetation immediately adjacent to wall will be removed, revealing views of the opposite bank and more distant trees

Brick steps provide access over wall, secured by stainless steel railings

1 - 2m high exposed sheet pile wall to wet side. Brick facing to dry side to match local brick.

Shaped concrete coping.

Embankments to be rounded off to create natural shapes and prevent creation of litter traps. Adjacent disturbed ground will be topsoiled and reinstated to amenity grass

Lockable drop bollards at end of path to prevent unauthorized access

Levels between proposed and existing embankment slopes to be made up to avoid potential litter trapping hollows

Proposed 2m high flood embankment

Proposed path over the embankment to connect the existing accesses

2-3m high sheet pile wall, exposed both sides with shaped concrete coping to top

1-2m high sheet pile wall exposed to wet side, brick facing dry side (single line brick tied to sheet piles with ties). Shaped concrete coping.

Approximate location of sketch view towards the proposed wall

3 existing trees to be hand dug, retaining a rootball as large as possible, with a minimum diameter and depth of 900mm and 600mm respectively. Carefully remove and replant in WFD area - location to be agreed on site. Replant as specified for specimen trees/ Advance Nursery Stock

1No Quercus robur 6 - 8 cm girth, clear stem, rootballed

2No Sorbus aucuparia, 6 - 8 cm girth, clear stem, bare root

Steps over wall for access to public footpath and outfall compound to be brick construction

Low earth bund to tie into existing embankment.

River Irwell

9 No. Populus nigra betulifolia, 6 - 8 cm girth, feathered, bare root.

16 No. Salix caprea 2.5 - 2.75 m multistem, rootballed

3 No. Populus nigra betulifolia, 6 - 8 cm girth, feathered, bare root.

Bury Waste Water Treatment Works

NOTES

Tree planting

Planting shall ideally be carried out between November and March, but not during periods of frost or drying winds.

Prior to planting, all extraneous material shall be removed from tree planting areas and all weed and or grass growth sprayed with a suitable herbicide allowing sufficient time for dieback. Herbicide operatives shall hold, and be able to produce if requested, all necessary licences and certificates.

During excavation do not sever roots over 10 mm in diameter of existing vegetation to be retained. Individual tree pits shall be in accordance with BS8545:2014. Allow for marrying in finished levels with adjacent areas. Break up the base of all excavations to a depth of at least 150 mm.

All site topsoil used for backfilling shall be free of roots, extraneous matter, builders' rubble, stones over 50 mm in diameter and weed growth.

Backfill excavations using excavated site topsoil in 150 mm deep layers, each layer lightly compacted evenly and spread with granular slow release fertiliser at the manufacturer's recommended rates. 50 mm depth organic material, such as well rotted farmyard manure or aged mushroom compost, shall be spread over, and incorporated into, the full cultivation depth of tree pits. Compost shall have been treated to BSI PAS 100 standards.

Prior to removal from containers, all container plants shall be thoroughly watered and allowed to stand for a minimum of 30 minutes.

Single tree stakes are to be provided for each tree and each stem for multistem trees. Stakes shall be whole sections of softwood timber peeled and pressure treated in accordance with BS 4072, 50-75 mm top diameter, and of sufficient length to extend to 300 mm above ground when driven firmly into the ground. Position on the windward side of the plant, and drive into the base of the pit after breaking up the base of the pit but before planting the tree. Secure each plant using a single heavy-duty tree tie and spacer approximately 50 mm from the top of the stake, secured with a nail if necessary. The tie should hold the tree in position securely enough to allow wind movement, but not so tightly it chafes the bark.

All plants shall be centrally positioned and upright, with finished soil level matching that of the nursery, adequately firmed but not compacted. Damaged top and or root growth shall be carefully cut back to live wood.

All plants must be watered to field capacity on completion, ensuring soil is completely firmed and consolidated, but not compacted, around roots.

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