Meadow Rain Gardens

Species (Latin)	Common Name	%
EM3 Special General Purpose Meadow Mixture (Emorsgate or acceptable equivalent)		
	Seeding Rate (g/m²)	*10*
Wildflowers		**20**
Agrimonia eupatoria	Agrimony	0.4
Anthyllis vulneraria	Kidney Vetch	0.4
Centaurea nigra	Common Knapweed	1.6
Centaurea scabiosa	Greater Knapweed	0.6
Chaerophyllum temulum	Rough Chervil	0.1
Cruciata laevipes	Crosswort	0.4
Daucus carota	Wild Carrot	1.2
Echium vulgare	Viper's-bugloss	0.2
Galium album	Hedge Bedstraw	1
Galium verum	Lady's Bedstraw	0.8
Geranium pratense	Meadow Crane's-bill	0.1
Knautia arvensis	Field Scabious	1
Lathyrus pratensis	Meadow Vetchling	0.2
Leucanthemum vulgare	Oxeye Daisy	1
Malva moschata	Musk Mallow	2.4
Medicago lupulina	Black Medick	0.6
Onobrychis viciifolia	Sainfoin	0.2
Origanum vulgare	Wild Marjoram	0.4
Plantago lanceolata	Ribwort Plantain	2.2
Plantago media	Hoary Plantain	0.4
Poterium sanguisorba ssp sanguisorba	Salad Burnet	2
Primula veris	Cowslip	0.4
Prunella vulgaris	Selfheal	0.2
Ranunculus bulbosus	Bulbous Buttercup	0.4
Sanguisorba officinalis	Great Burnet	0.1
Silene dioica	Red Campion	1
Silene vulgaris	Bladder Campion	0.2
Vicia cracca	Tufted Vetch	0.3
Vicia sativa ssp. Segetalis	Common Vetch	0.2
Grasses		**80**
Agrostis capillaris	Common Bent	8
Cynosurus cristatus	Crested Dogstail	28
Festuca rubra	Red Fescue	24
Phleum bertolonii	Smaller Cat's-tail	4
Poa pratensis	Smooth-stalked Meadow-grass	16

Ornamental Rain Gardens - Typical species

Species (Latin)	Common Name	%
Achillea millefolium	Yarrow	2
Achillea 'Walther Funcke'	Yarrow	2
Betonica officinalis 'Hummelo'	Betony	2
Carex oshimensis 'Everest'	Japanese Sedge	20
Carex oshimensis 'Everillo'	Japanese Sedge	10
Sedum herbstfruede (Hylotelephium spectabile)	Stonecrop	2
Monarda didyma 'Bee Lieve'	Bergamot	2
Hakonechloa macra 'Aureola'	Golden Hakonechloa	20
Kniphofia 'Little Maid'	Red Hot Poker	5
Kniphofia 'Poco Red'	Red Hot Poker	5
Imperata cylindrica 'Rubra'	Japanese Blood Grasses	10
Geranium 'Light Dilys'	Cranebill	2
Geranium 'Rozanne'	Cranebill	2
Festuca glauca 'Blaufuchs'	Blue Fescue	8
Nepeta × faassenii	Cat Mint	5
Carex buchananii 'Red Rooster'	Sedge	5

Specimen Tree Planting - 1B

es	SUDS	Girth (cm)	Height (cm)	Clear stem (cm)
ampestre (Field Maple)	Y	20 to 25	600-700	250 min
ampestre 'William Caldwell' (Field Maple)	Y	20 to 25	600-700	250 min
freemanii (Freeman Maple)	Y	20 to 25	600-700	250 min
pendula (Birch)	Y	18 to 20	500-600	220 min
us betulus (Hornbeam)	Y	20 to 25	600-700	250 min
is avellana (Hazel)	N	18 to 20	500-600	220 min
uifolium (Holly)	Y	18 to 20	500-600	220 min
ndron tulipifera (Tulip Tree)	Y	20 to 25	600-700	250 min
s avium (Wild Cherry)	Y	20 to 25	600-700	250 min
s avium 'Plena' (Wild Cherry)	N	20 to 25	600-700	250 min
s spinosa (Blackthorn)	Y	18 to 20	500-600	220 min
us frainetto (Hungarian Oak)		20 to 25	600-700	250 min
us robur (Penduculate Oak)	Y	20 to 25	600-700	250 min
s aucuparia (Rowan)	Y	18 to 20	500-600	220 min
ordata 'Greenspire' (Small Leaved Lime)	Y	20 to 25	600-700	250 min
'New Horizon' (Elm)	Y	20 to 25	600-700	250 min

Grass Seeding

EM10 Tussock Meadow Mixture (Emorsgate or acceptable equivalent)	EM10
Seeding Rate (g/m²)	*10*
Species	**%**
Wild Flowers	**20**
Achillea millefolium (Yarrow)	0.8
Agrimonia eupatoria (Agrimony)	0.4
Arctium minus (Lesser Burdock)	0.1
Centaurea nigra (Common Knapweed)	1.4
Centaurea scabiosa (Greater Knapweed)	1.0
Chaerophyllum temulum (Rough Chervil)	0.8
Cruciata laevipes (Crosswort)	0.5
Daucus carota (Wild Carrot)	1.0
Dipsacus fullonum (Wild Teasel)	1.6
Filipendula ulmaria (Meadowsweet)	0.8
Galium album (Hedge Bedstraw)	1.8
Knautia arvensis (Field Scabious)	0.8
Leucanthemum vulgare (Oxeye Daisy)	1.6
Lotus corniculatus (Birdsfoot Trefoil)	0.4
Malva moschata (Musk Mallow)	1.6
Plantago lanceolata (Ribwort Plantain)	1.8
Poterium sanguisorba (Salad Burnet)	1.6
Silene dioica (Red Campion)	1.0
Vicia cracca (Tufted Vetch)	0.4
Tussock grasses	**80**
Alopecurus pratensis (Meadow Foxtail)	4.0
Cynosurus cristatus (Crested Dogstail)	20.0
Dactylis glomerata (Cocksfoot)	16.0
Festuca rubra ssp rubra (Strong-creeping Red Fescue)	12.0
Holcus lanatus (Yorkshire Fog)	8.0
Lolium perenne (Perennial Ryegrass)	4.0
Poa pratensis (Smooth-stalked Meadow-grass)	6.4
Schedonorus arundinaceus (Tall Fescue)	9.6

Grass Swales & Attenuation Ponds

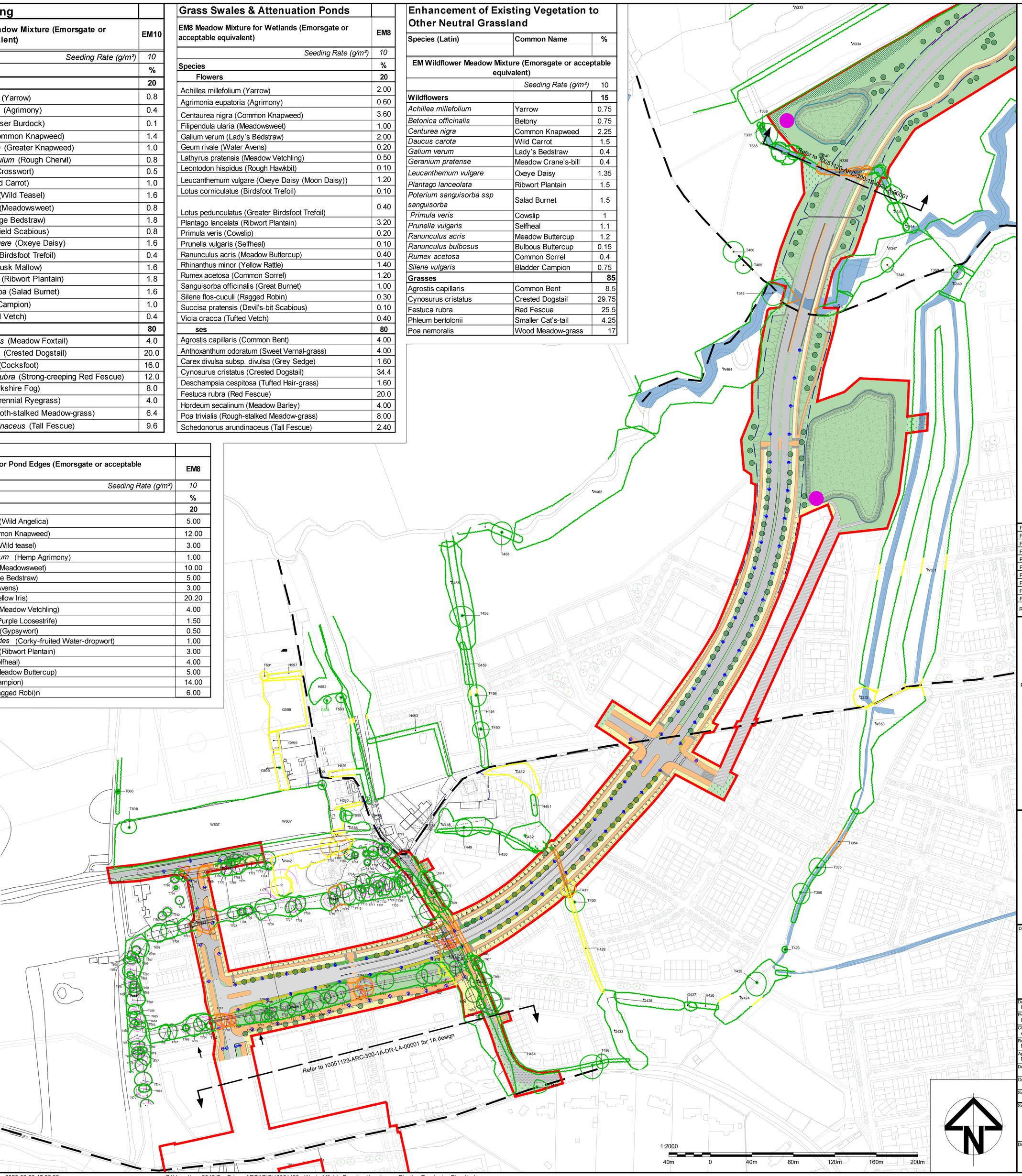
EM8 Meadow Mixture for Wetlands (Emorsgate or acceptable equivalent)	EM8
Seeding Rate (g/m²)	*10*
Species	**%**
Flowers	**20**
Achillea millefolium (Yarrow)	2.00
Agrimonia eupatoria (Agrimony)	0.60
Centaurea nigra (Common Knapweed)	3.60
Filipendula ularia (Meadowsweet)	1.00
Galium verum (Lady's Bedstraw)	2.00
Geum rivale (Water Avens)	0.20
Lathyrus pratensis (Meadow Vetchling)	0.50
Leontodon hispidus (Rough Hawkbit)	0.10
Leucanthemum vulgare (Oxeye Daisy (Moon Daisy))	1.20
Lotus corniculatus (Birdsfoot Trefoil)	0.10
Lotus pedunculatus (Greater Birdsfoot Trefoil)	0.40
Plantago lancelata (Ribwort Plantain)	3.20
Primula veris (Cowslip)	0.20
Prunella vulgaris (Selfheal)	0.10
Ranunculus acris (Meadow Buttercup)	0.40
Rhinanthus minor (Yellow Rattle)	1.40
Rumex acetosa (Common Sorrel)	1.20
Sanguisorba officinalis (Great Burnet)	1.00
Silene flos-cuculi (Ragged Robin)	0.30
Succisa pratensis (Devil's-bit Scabious)	0.10
Vicia cracca (Tufted Vetch)	0.40
ses	**80**
Agrostis capillaris (Common Bent)	4.00
Anthoxanthum odoratum (Sweet Vernal-grass)	4.00
Carex divulsa subsp. divulsa (Grey Sedge)	1.60
Cynosurus cristatus (Crested Dogstail)	34.4
Deschampsia cespitosa (Tufted Hair-grass)	1.60
Festuca rubra (Red Fescue)	20.0
Hordeum secalinum (Meadow Barley)	4.00
Poa trivialis (Rough-stalked Meadow-grass)	8.00
Schedonorus arundinaceus (Tall Fescue)	2.40

Ditches

EP1F Wild Flowers for Pond Edges (Emorsgate or acceptable equivalent)	EM8
Seeding Rate (g/m²)	*10*
Species	**%**
Wild Flowers	**20**
Angelica sylvestris (Wild Angelica)	5.00
Centurea nigra (Common Knapweed)	12.00
Dipsacus fullonum (Wild teasel)	3.00
Eupatorium cannabinum (Hemp Agrimony)	1.00
Filipendula ulmaria (Meadowsweet)	10.00
Galium album (Hedge Bedstraw)	5.00
Geum rivale (Water Avens)	3.00
Iris pseudacorus (Yellow Iris)	20.20
Lathyrus pratensis (Meadow Vetchling)	4.00
Lythrum salicaria (Purple Loosestrife)	1.50
Lycopus europaeus (Gypsywort)	0.50
Oenanthe pimpinelloides (Corky-fruited Water-dropwort)	1.00
Plantago lanceolata (Ribwort Plantain)	3.00
Prunella vulgaris (Selfheal)	4.00
Ranunculus acris (Meadow Buttercup)	5.00
Silene dioica (Red Campion)	14.00
Silene flos-cuculi (Ragged Robi)n	6.00

Enhancement of Existing Vegetation to Other Neutral Grassland

Species (Latin)	Common Name	%
EM Wildflower Meadow Mixture (Emorsgate or acceptable equivalent)		
	Seeding Rate (g/m²)	10
Wildflowers		**15**
Achillea millefolium	Yarrow	0.75
Betonica officinalis	Betony	0.75
Centurea nigra	Common Knapweed	2.25
Daucus carota	Wild Carrot	1.5
Galium verum	Lady's Bedstraw	0.4
Geranium pratense	Meadow Crane's-bill	0.4
Leucanthemum vulgare	Oxeye Daisy	1.35
Plantago lanceolata	Ribwort Plantain	1.5
Poterium sanguisorba ssp sanguisorba	Salad Burnet	1.5
Primula veris	Cowslip	1
Prunella vulgaris	Selfheal	1.1
Ranunculus acris	Meadow Buttercup	1.2
Ranunculus bulbosus	Bulbous Buttercup	0.15
Rumex acetosa	Common Sorrel	0.4
Silene vulgaris	Bladder Campion	0.75
Grasses		**85**
Agrostis capillaris	Common Bent	8.5
Cynosurus cristatus	Crested Dogstail	29.75
Festuca rubra	Red Fescue	25.5
Phleum bertolonii	Smaller Cat's-tail	4.25
Poa nemoralis	Wood Meadow-grass	17



LANDSCAPE KEY

- Detailed (Phase 1) Boundary

Existing Landscape Features

- Public Right of Way
- Retained existing trees
- Other retained existing woody vegetation (incl. tree, shrubs, hedgerows)
- Removed existing trees
- Removed existing woody vegetation (inclu. tree, shrubs, hedgerows)
- Retained if possible trees
- Retained if possible woody vegetation (inclu. tree, shrubs, hedgerows)
- Root Protection Area
- Enhancement of existing vegetation to Other Neutral Grassland (trees, woodlands, tree groups retained/removed as shown)
- Watercourse / Body

Proposed Engineering Features (Refer to Engineers' Proposals for details)

- Carriageway
- Cycleway
- Attenuation basin
- Existing lighting column retained
- Proposed fencing
- Culvert structure
- Footway / Hardstanding
- Embankments
- Proposed lighting column
- Bridge structure

Proposed landscape features

- Specimen tree planting
- Grass seeding
- Grass swales and attenuation ponds
- Temporary seeding of embankments
- Woodland planting
- Hawthorn planting
- Bat Hop Over Areas
- Native Hedgerow
- Hibernacular
- Ditches

Note: All hard copy drawings are to be checked against digital PDFs for consistency.

Rev	Date	Description	Prod.	Chk.	Rev.	App.
P10	23.06.25	Issued for planning	JL	AS	MH	MH
P09	28.05.25	Work in Progress	IDG	AS	MH	MH
P08	12.05.25	Issued for planning	IDG	AS	MH	MH
P07	04.04.25	Issued for planning	IDG	AS	MH	MH
P06	15.08.24	For Information	IDG	AS	MH	MH
P05	05.08.24	Layout update	IDG	AS	MH	MH
P04	20.03.24	Updated Retained & Removed Vegetation	TW	AS	MH	MH
P03	13.03.24	Preliminary	IDG	AS	MH	MH
P02	14.12.23	Preliminary	IDG	AS	BH	BH
P01	26.10.23	Preliminary	IDG	AS	BH	BH

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Drawing Title:

Phase 1B
Landscape Typologies Plan
Sheet 2 of 2

Designed: IDG	Signed: Digitally Signed	Date: 23.06.25
Produced: IDG	Signed: Digitally Signed	Date: 23.06.25
Checked: AS	Signed: Digitally Signed	Date: 23.06.25
Reviewed: MH	Signed: Digitally Signed	Date: 23.06.25
Approved: MH	Signed: Digitally Signed	Date: 23.06.25

Design Stage: Detailed Design

Original Size: A1	Grid: OS	Datum: AOD
Suitability Code: A3	Scale: 1:2000	Project Number: 10051123

Suitability Description:

Definition Design Stage Complete Authorized and Accepted

Drawing Number: 10051123 - ARC-300 - 1B - DR - LA - 00002

Revision: P10