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South Dublin County Council

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Comhairle Cathrach Bhaile Átha Cliath

OPW
Oifig na
nOibreacha Poiblí
Office of Public Works

# RIVER PODDLE
# FLOOD ALLEVIATION SCHEME

## PLANNING DRAWINGS

NICHOLAS O'DWYER

Unit E4, Nutgrove Office Park,
Nutgrove Avenue, Dublin 14

T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

RIVER PODDLE FLOOD ALLEVIATION SCHEME

FEBRUARY 2020

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# RIVER PODDLE FLOOD ALLEVIATION SCHEME

## PLANNING DRAWINGS CONTENTS

**CONTENTS**

| Project No. | | Drawing No. | Status | Revision | Drawing Title | Description |
|---|---|---|---|---|---|---|
| 20662 | | RPFS-NOD-01-XX-DR-C-08000 | A1 | P01 | COVER | |
| 20662 | | RPFS-NOD-01-XX-DR-C-08001 | A1 | P01 | CONTENTS | |
| | | | | | | |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08100 | A1 | P01 | River Poddle Map | Overall map of the River Poddle from its source in Tallght to its confluence with the Liffey in Temple Bar |
| | | | | | | |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08110 | A1 | P01 | Site Location Maps - Keyplan | |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08116 | A1 | P01 | Site Location Map - Sheet 1 of 7 | Map showing location of the site in Tymon North |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08117 | A1 | P01 | Site Location Map - Sheet 2 of 7 | Map showing location of the site in Tymon Park at the location of the flood storage embankments |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08118 | A1 | P01 | Site Location Map - Sheet 3 of 7 | Map showing location of the site in Tymon Park at the location of the proposed Integrated Constructed Wetland |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08119 | A1 | P01 | Site Location Map - Sheet 4 of 7 | Map showing location of the site in Whitehall Park and Wainsfort Manor Crescent |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08121 | A1 | P01 | Site Location Map - Sheet 5 of 7 | Map showing location of the site in St Annes and Ravensdale Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08122 | A1 | P01 | Site Location Map - Sheet 6 of 7 | Map showing location of the site in St. Martin's Drive |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08123 | A1 | P01 | Site Location Map - Sheet 7 of 7 | Map showing location of the site in Mount Argus Close |
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| 20662 | | RPFS-NOD-XX-XX-DR-C-08130 | A1 | P01 | Site Layout Plans- Keyplan | |
| | | | | | | |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08131 | A1 | P01 | Tymon North Overall Layout - Keyplan 1 | Overall layout plan of the site in Tymon North, including temporary vehicular access routes |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08132 | A1 | P01 | Tymon North Layout Plan & Section Sheet 1 | Site layout plan and sections of the proposed flood embankment in Tymon North |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08133 | A1 | P01 | Tymon North Layout Plan & Section Sheet 2 | Site layout plan and sections of the proposed flood embankment at the ESB Substation in Tymon North |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08140 | A1 | P01 | Tymon Park Overall Layout - Keyplan 2 | Overall layout plan of the area of the site in Tymon Park containing the flood storage embankment |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08141 | A1 | P01 | Tymon Park Layout Plan & Section Sheet 1 | Site layout plan and sections of the proposed regraded footpath to the north of Tymon Lake |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08142 | A1 | P01 | Tymon Park Layout Plan & Section Sheet 2 | Site layout plan and sections of the proposed regraded footpath to the north of Tymon Lake |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08143 | A1 | P01 | Tymon Park Layout Plan & Section Sheet 3 | Site layout plan and sections of the proposed flood storage embankment in Tymon Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08144 | A1 | P01 | Tymon Park Layout Plan & Section Sheet 4 | Cross-sections of the proposed flood storage embankment and flow control structure in Tymon Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08145 | A1 | P01 | Tymon Park Overall Layout - Keyplan 3 | Overall layout plan of the area of the site in Tymon Park containing the Integrated Constructed Wetland |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08146 | A1 | P01 | Tymon Park Layout Plan & Section Sheet 5 | Site layout plan and sections of the proposed Integrated Constructed Wetland in Tymon Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08147 | A1 | P01 | Tymon Park Existing Site Layout | Site layout plan of Tymon Park existing site layout |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08148 | A1 | P01 | Tymon Park Construction Site Layout | Site layout plan of Tymon Park construction site layout |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08149 | A1 | P01 | Tymon Park Final Site Layout | Site layout plan of Tymon Park final site layout |
| | | | | | | |

NICHOLAS O'DWYER

Unit E4, Nutgrove Office Park,
Nutgrove Avenue, Dublin 14

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FEBRUARY 2020

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# RIVER PODDLE FLOOD ALLEVIATION SCHEME

## PLANNING DRAWINGS CONTENTS

**CONTENTS**

| Project No. | | Drawing No. | Status | Revision | Drawing Title | Description |
|---|---|---|---|---|---|---|
| 20662 | | RPFS-NOD-XX-XX-DR-C-08150 | A1 | P01 | Whitehall Park and Wainsfort Manor Crescent Site Location Map | Overall layout plan of the site in Whitehall Park and Wainsfort Manor Crescent |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08151 | A1 | P01 | Whitehall Park and Wainsfort Manor Crescent Layout Plan and Sections Sheet 1 | Site layout plan and sections of the proposed river realignment in Whitehall Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08152 | A1 | P01 | Whitehall Park and Wainsfort Manor Crescent Layout Plan and Sections Sheet 2 | Site layout plan and sections of the proposed flood walls in Wainsfort Manor Crescent |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08153 | A1 | P01 | Whitehall Park and Wainsfort Manor Crescent Existing & Construction Site Layout | Existing & Construction layouts in Whitehall Park and Wainsfort Manor Crescent |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08154 | A1 | P01 | Whitehall Park & Wainsfort Manor Crescent Completed Site Layout | Completed layout in Whitehall Park and Wainsfort Manor Crescent |
| | | | | | | |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08155 | A1 | P01 | St. Anne's Terrace Layout Plan and Sections | Site layout plan and sections of the proposed flood walls in St Anne's |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08160 | A1 | P01 | Ravensdale Park Layout Plan and Sections Sheet 1 | Site layout plan and sections of the proposed flood storage area and flood walls in Ravensdale Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08161 | A1 | P01 | Ravensdale Park Layout Plan and Sections Sheet 2 | Cross-sections of the proposed flood storage area in Ravensdale Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08162 | A1 | P01 | Ravensdale Park Proposed Pedestrian Bridge | Proposed new pedestrian bridge in Ravensdale Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08163 | A1 | P01 | Ravensdale Park Existing & Construction Layout | Existing & Construction layouts in Ravensdale Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08164 | A1 | P01 | Ravensdale Park Completed Layout | Completed layout in Ravensdale Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08165 | A1 | P01 | St. Martin's Drive Layout Plan and Sections | Site layout plan and sections of the proposed flood wall at St. Martin's Drive |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08166 | A1 | P01 | St. Martin's Drive Park Existing & Construction Site Layout | Existing & Construction layouts in St. Martin's Drive |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08167 | A1 | P01 | St. Martin's Drive Completed Site Layout | Completed layout in St. Martin's Drive |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08170 | A1 | P01 | Mount Argus Close Layout Plan and Sections | Site layout plan and sections of the proposed flood walls at Mount Argus Close |
| | | | | | | |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08250 | A1 | P01 | Sealed Manholes Ravensdale Park & Poddle Park | Site layout plan of the proposed sealed manholes in Ravensdale Park & Poddle Park |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08251 | A1 | P01 | Sealed Manholes Saint Teresa's Gardens | Site layout plan of the proposed sealed manholes in Saint Teresa's Gardens |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08252 | A1 | P01 | Saint Teresa's Gardens - Sealed Manholes Typical Details | Typical Details of proposed sealed manholes in Saint Teresa's Gardens |
| 20662 | | RPFS-NOD-XX-XX-DR-C-08253 | A1 | P01 | National Stadium - Sealed Double Manhole Typical Details | Typical Details of proposed double manhole at National Stadium |

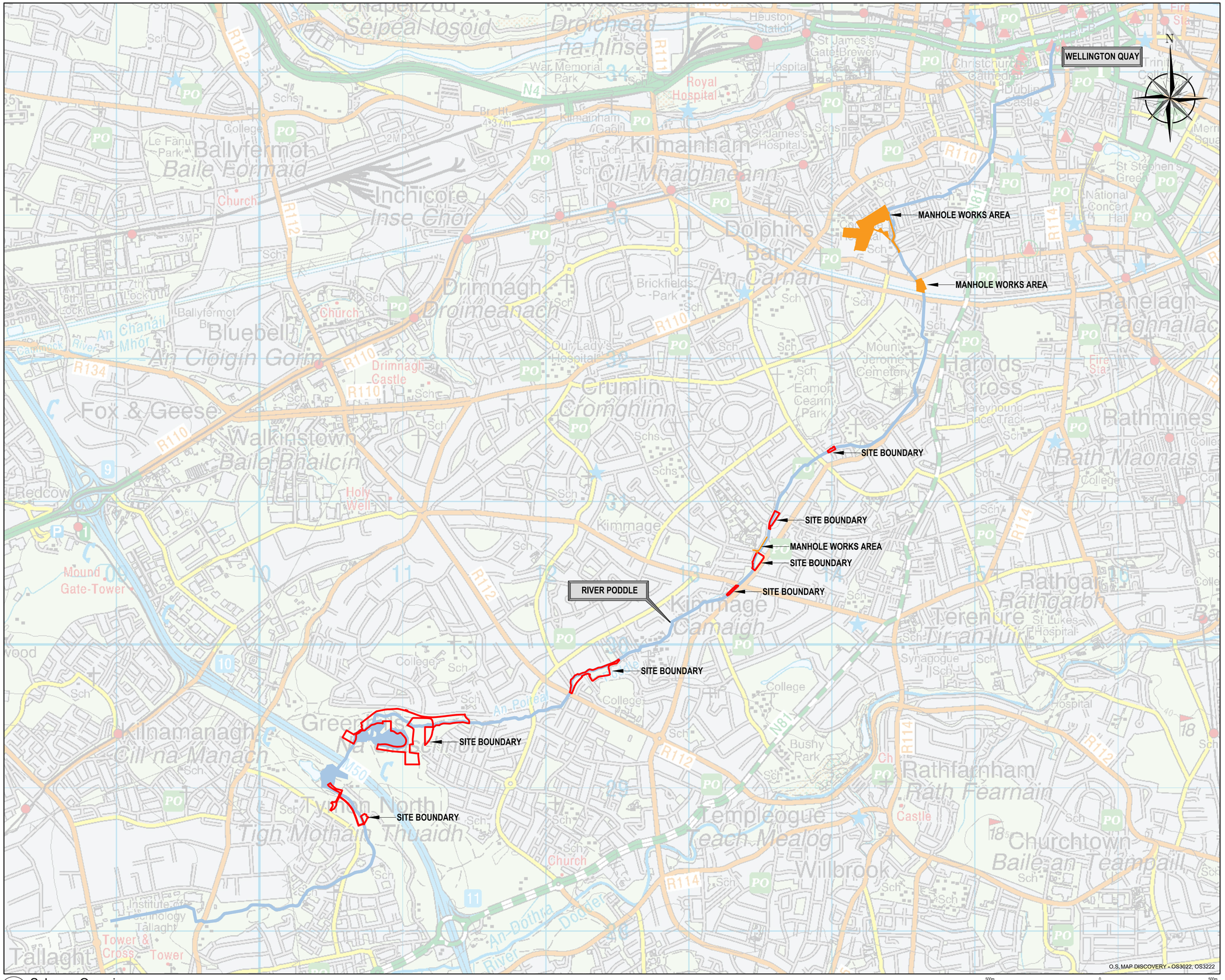
NICHOLAS O'DWYER

Unit E4, Nutgrove Office Park,
Nutgrove Avenue, Dublin 14

T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

RIVER PODDLE FLOOD ALLEVIATION SCHEME

FEBRUARY 2020




1 Scheme Overview
1:12,500

NOTES

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2. All levels are in metres and relate to the Ordnance Survey Datum Malin Head.
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6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | MANHOLE WORKS AREA |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

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Comhairle Contae Átha Cliath Theas
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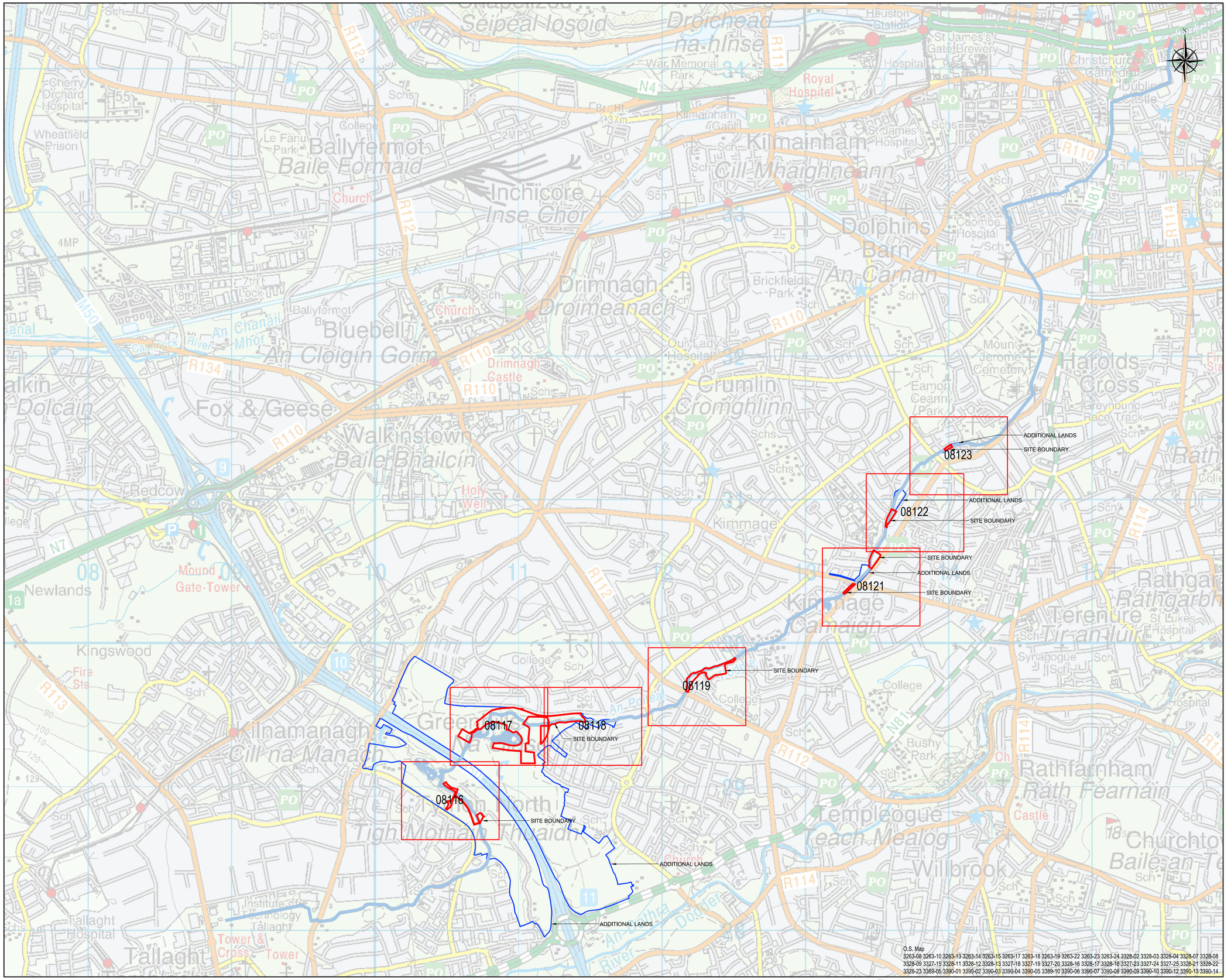
PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
RIVER PODDLE MAP

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:12,500 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 18.07.2019 | DATE 18.07.2019 | DATE 18.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08100 | P01 |




1 Scheme Overview - Aerial
1:12,500

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## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
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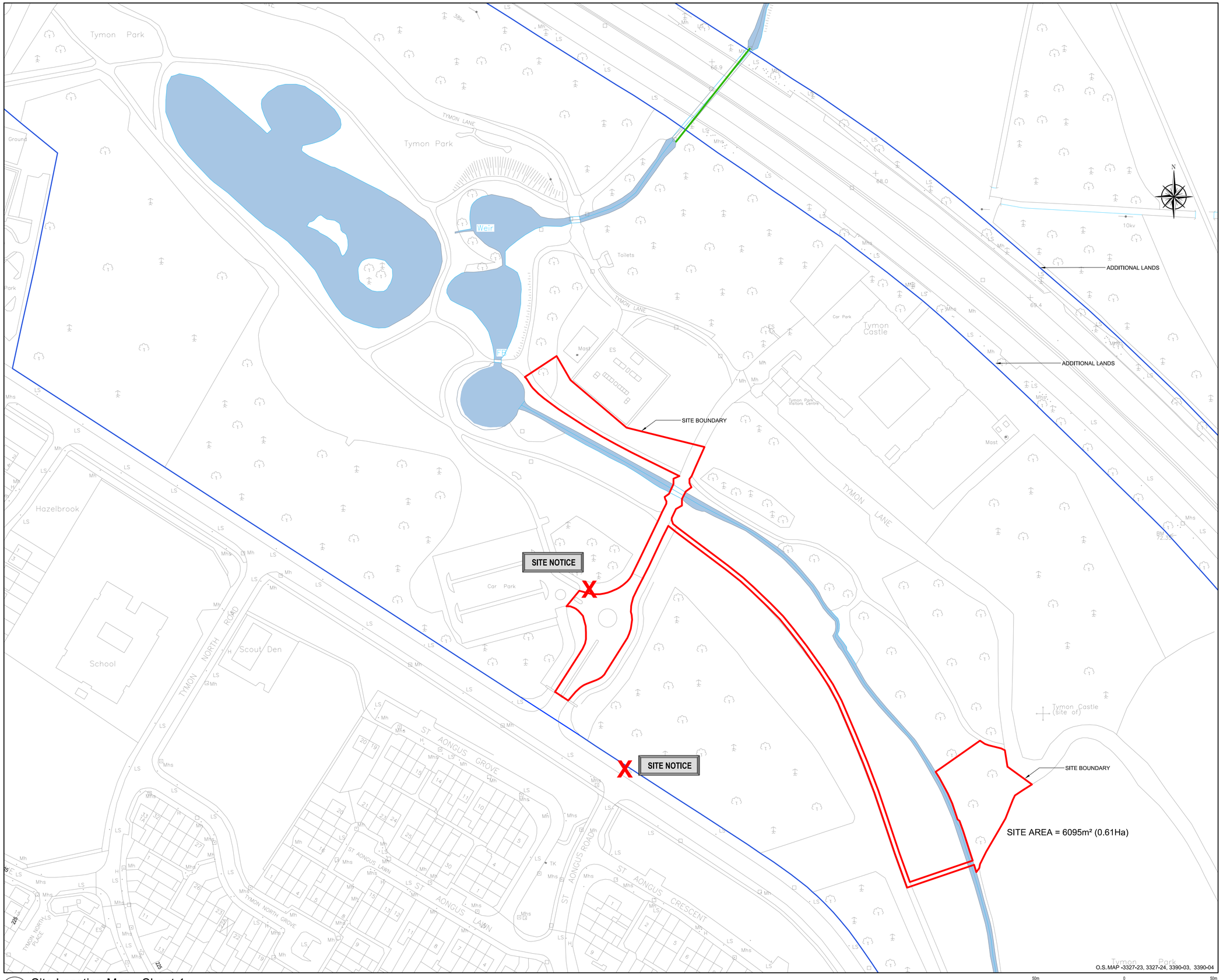
PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
SITE LOCATION MAPS
KEYPLAN

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:12,500 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08110 | P01 |




1 Site Location Map - Sheet 1

1:1000

50m 0 50m

SCALE 1 : 1,000

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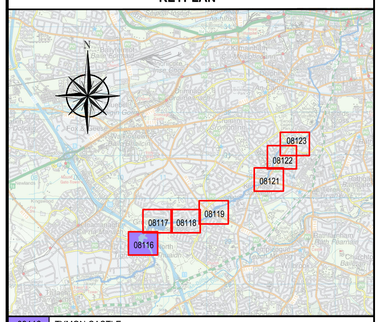
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |

## KEYPLAN




| | |
|---|---|
| 09116 | TYMON CASTLE |
| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
| 09119 | WELLINGTON / GLENDOWMN / WHITEHALL / GLENDALE |
| 09121 | WHITEHALL RD./ KIMMAGE RD. / RAVENSDALE / FORTFIELD |
| 09122 | CASHEL RD./ KIMMAGE RD. / RAVENSDALE / PODDLE PARK |
| 09123 | MOUNT ARGUS CLOSE / STANAWAY RD / BANGOR RD / KIMMAGE RD / SUNDRIVE RD |
| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
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| 20662 | A1 | PLANNING |

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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

SITE LOCATION MAP
SHEET 1 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08116 | P01 |

SITE NOTICE

ADDITIONAL LANDS

SITE NOTICE

SITE BOUNDARY

SITE AREA = 86,212m² (8.6HA)

ADDITIONAL LANDS

O.S. MAP -3327-24, 3327-25, 3327-19, 3327-20

1 Site Location Map - Sheet 2
1:1000

50m 0 50m
SCALE 1 : 1,000

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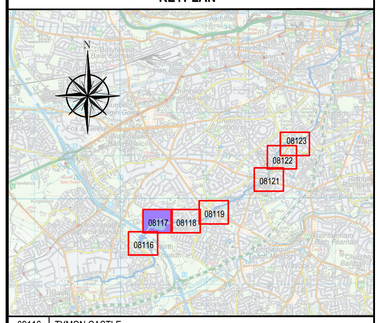
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |

## KEYPLAN




| | |
|---|---|
| 09116 | TYMON CASTLE |
| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
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| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
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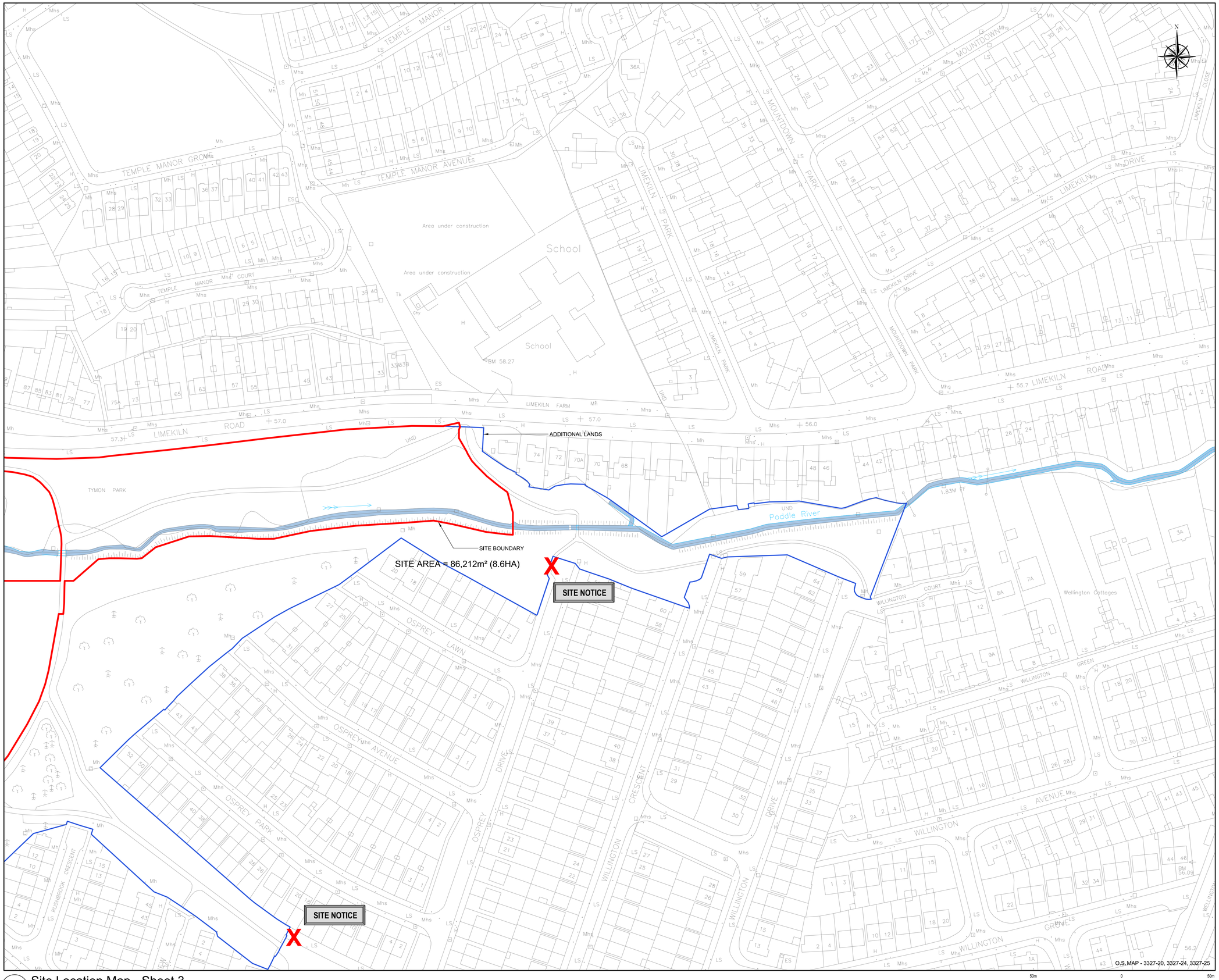
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

SITE LOCATION MAP
SHEET 2 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08117 | P01 |




1 Site Location Map - Sheet 3
1:1000

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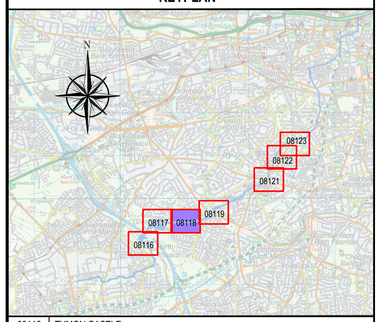
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |
| | |
| | |
| | |
| | |

## KEYPLAN




| | |
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| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
| 09119 | WELLINGTON / GLENDOWMN / WHITEHALL / GLENDALE |
| 09121 | WHITEHALL RD./ KIMMAGE RD. / RAVENSDALE / FORTFIELD |
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| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
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Comhairle Cathrach Bhaile Atha Cliath

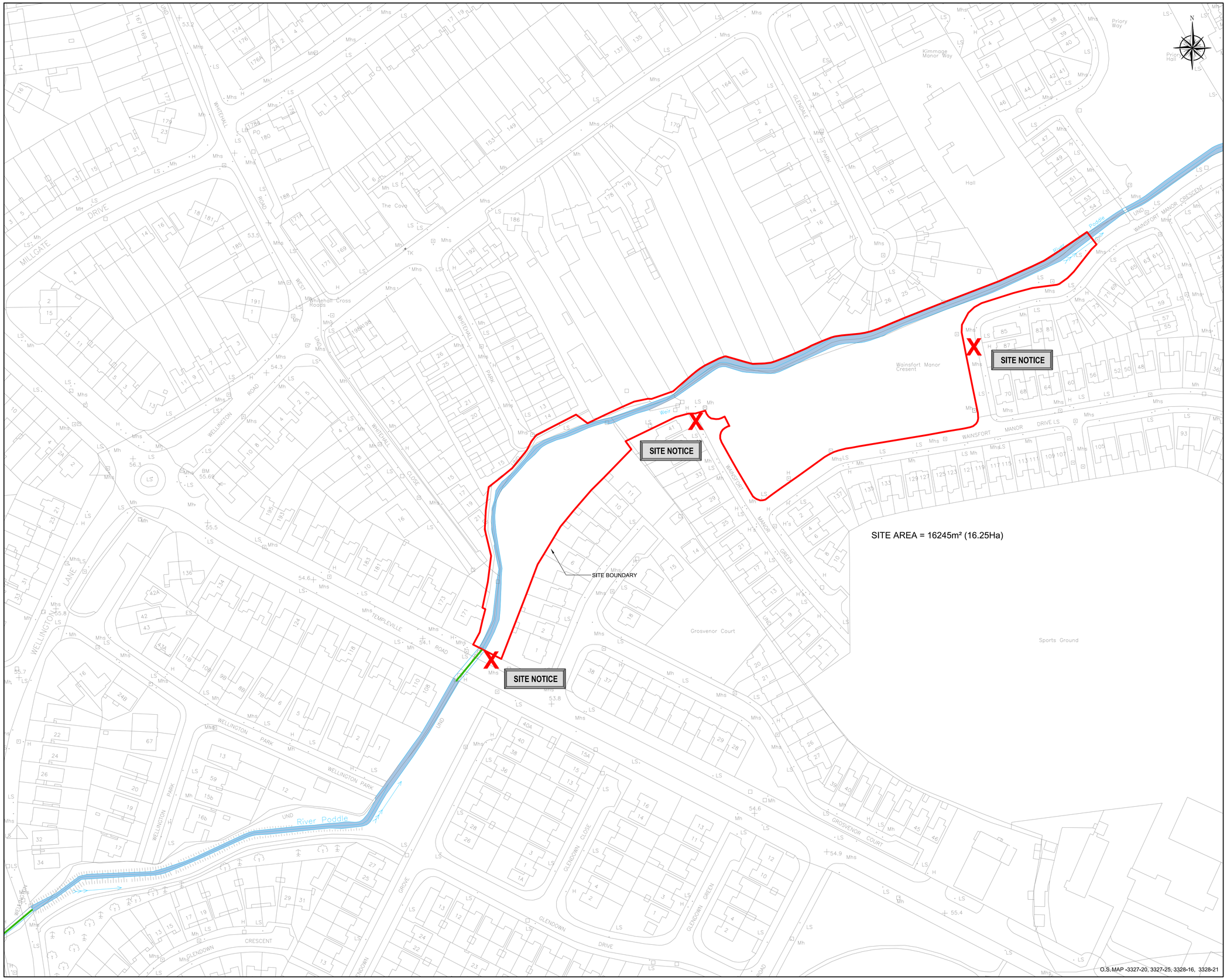
OPW
Oifig na nOibreacha Poiblí
Office of Public Works

PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
SITE LOCATION MAP
SHEET 3 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08118 | P01 |




1 Site Location Map - Sheet 4

1:1000

50m 0 50m

SCALE 1 : 1,000

## NOTES

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2. All levels are in metres and relate to the Ordnance Survey Datum Malin Head.
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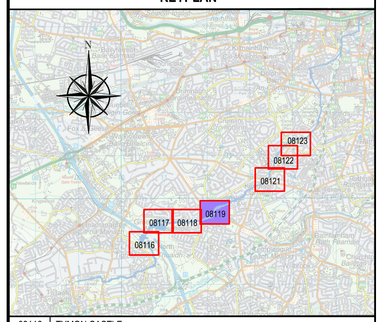
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |
| | |
| | |
| | |
| | |

## KEYPLAN




| | |
|---|---|
| 09116 | TYMON CASTLE |
| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
| 09119 | WELLINGTON / GLENDOWMN / WHITEHALL / GLENDALE |
| 09121 | WHITEHALL RD./ KIMMAGE RD. / RAVENSDALE / FORTFIELD |
| 09122 | CASHEL RD./ KIMMAGE RD. / RAVENSDALE / PODDLE PARK |
| 09123 | MOUNT ARGUS CLOSE / STANAWAY RD / BANGOR RD / KIMMAGE RD / SUNDRIVE RD |
| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park,
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T +353 1 296 9000
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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

SITE LOCATION MAP
SHEET 4 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08119 | P01 |

SITE NOTICE

SITE NOTICE

SITE NOTICE

SITE NOTICE

SITE BOUNDARY
SITE AREA = 5582m² (0.558Ha)

ADDITIONAL LANDS

SITE BOUNDARY
SITE AREA = 1245m² (0.125Ha)

Poddle River

O.S.MAP - 3328-12, 3328-13, 3328-17, 3328-18

1 Site Location Map - Sheet 5
1:1000

50m 0 50m
SCALE 1 : 1,000

## NOTES

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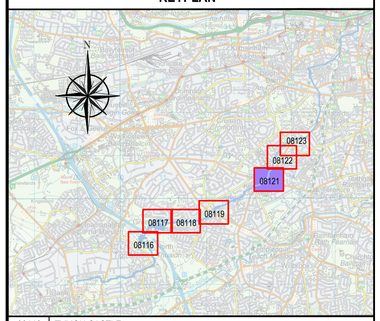
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |

## KEYPLAN




| | |
|---|---|
| 09116 | TYMON CASTLE |
| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
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| 09123 | MOUNT ARGUS CLOSE / STANAWAY RD / BANGOR RD / KIMMAGE RD / SUNDRIVE RD |
| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
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| PROJECT No. | STATUS | PURPOSE OF USE |
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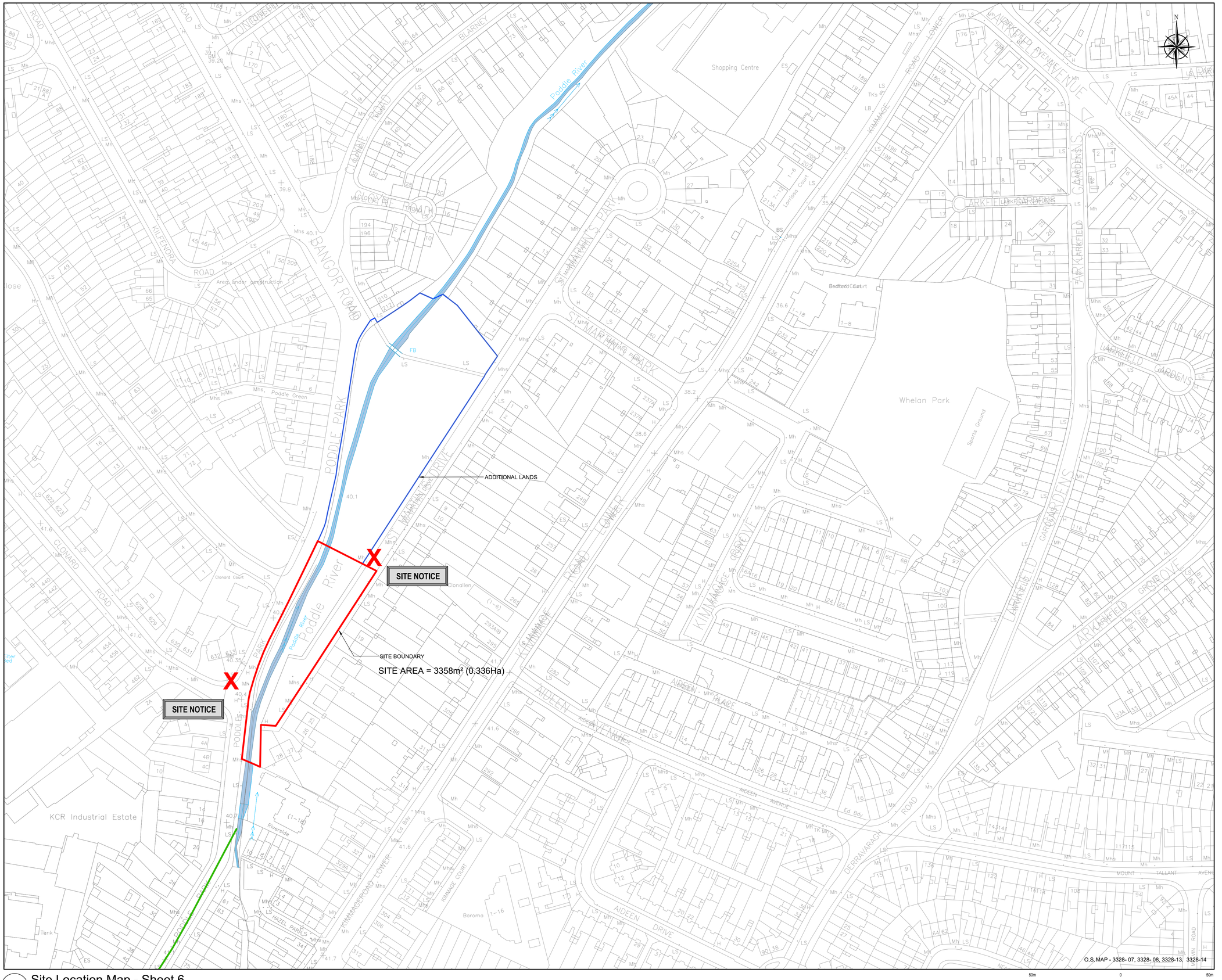
Office of Public Works

PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
SITE LOCATION MAP
SHEET 5 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08121 | P01 |




1 Site Location Map - Sheet 6

1:1000

50m 0 50m

SCALE 1 : 1,000

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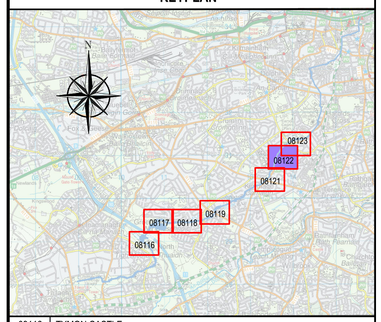
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |

## KEYPLAN




| | |
|---|---|
| 09116 | TYMON CASTLE |
| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
| 09119 | WELLINGTON / GLENDOWMN / WHITEHALL / GLENDALE |
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| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

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PROJECT

# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

## SITE LOCATION MAP SHEET 6 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08122 | P01 |

SITE AREA = 960m² (0.096Ha)

SITE BOUNDARY

ADDITIONAL LANDS

SITE NOTICE

SITE NOTICE

SITE NOTICE

Poddle River

River Poddle

Mount Argus

Mount Argus Park

Church (Cath.)

Burial Ground

Grotto

Statues

Shopping Centre

Apollo House

Bedford Court

Larkfield Gardens

O.S.MAP - 3328-03, 3328-08

1 Site Location Map - Sheet 7

1:1000

50m 0 50m

SCALE 1 : 1,000

## NOTES

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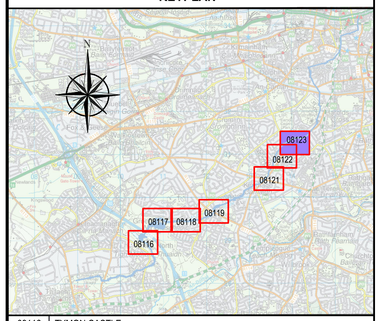
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | ADDITIONAL LANDS |
| | EXISTING CULVERT |

## KEYPLAN




| | |
|---|---|
| 09116 | TYMON CASTLE |
| 09117 | TYMON PARK |
| 09118 | OSPREY / WILLINGTON / LIMEKILN |
| 09119 | WELLINGTON / GLENDOWMN / WHITEHALL / GLENDALE |
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| 09122 | CASHEL RD./ KIMMAGE RD. / RAVENSDALE / PODDLE PARK |
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| 09126 | SOUTH CIRCULAR ROAD, DUFFEREN AVE., MERTON AVE., DONOP AVE., |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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PROJECT

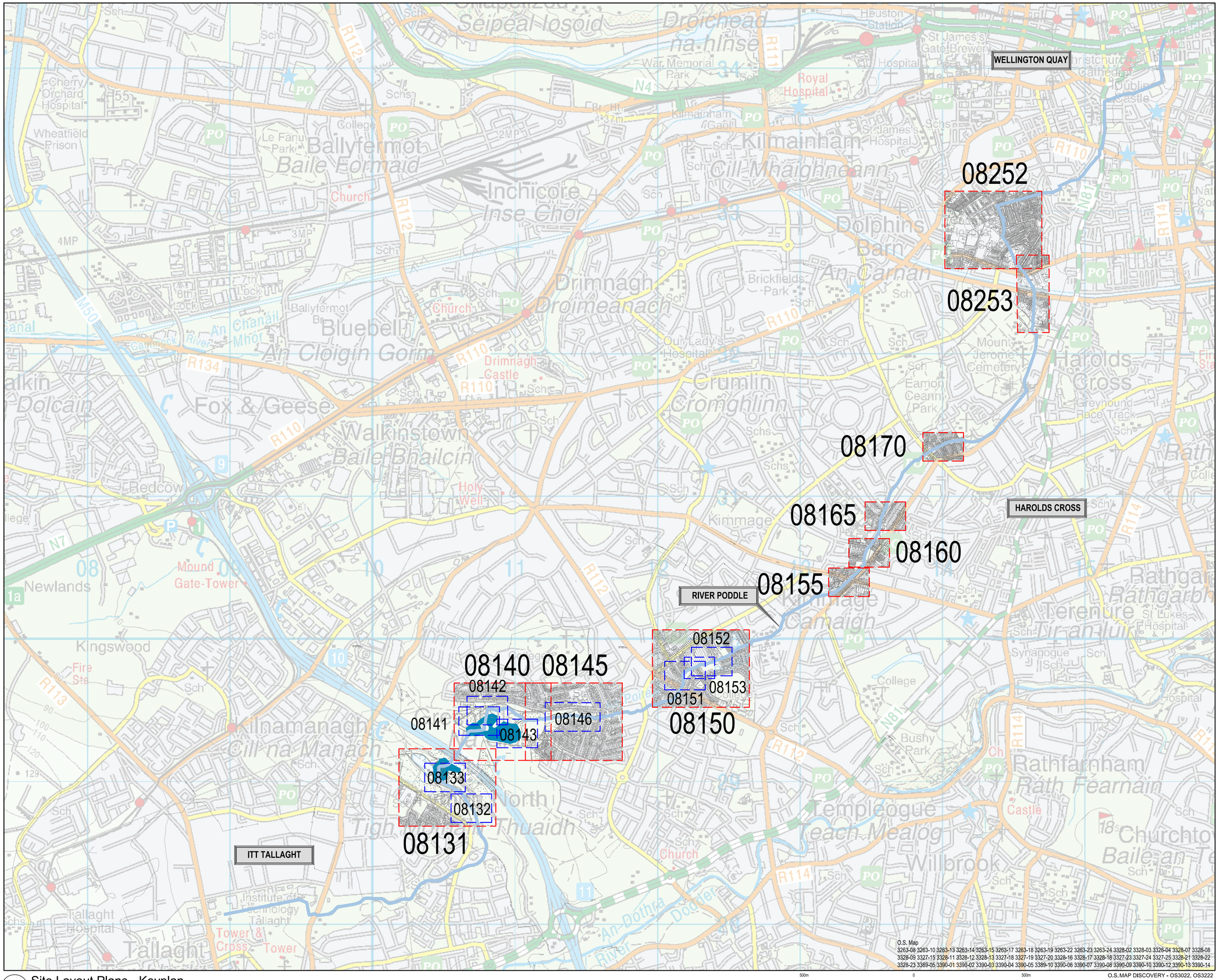
# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

## SITE LOCATION MAP SHEET 7 OF 7

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 17.07.2019 | DATE 17.07.2019 | DATE 17.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08123 | P01 |




O.S. Map
3263-08 3263-10 3263-13 3263-14 3263-15 3263-17 3263-18 3263-19 3263-22 3263-23 3263-24 3328-02 3328-03 3328-04 3328-07 3328-08 3328-09 3327-15 3328-11 3328-12 3328-13 3327-18 3327-19 3327-20 3328-16 3328-17 3328-18 3327-23 3327-24 3327-25 3328-21 3328-22 3328-23 3369-05 3390-01 3390-02 3390-03 3390-04 3390-05 3389-10 3390-06 3390-07 3390-08 3390-09 3390-10 3390-12 3390-13 3390-14

O.S.MAP DISCOVERY - OS3022, OS3222

500m 0 500m

SCALE 1 : 12,500

1 Site Layout Plans - Keyplan
1:12,500

## NOTES

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6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

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PROJECT

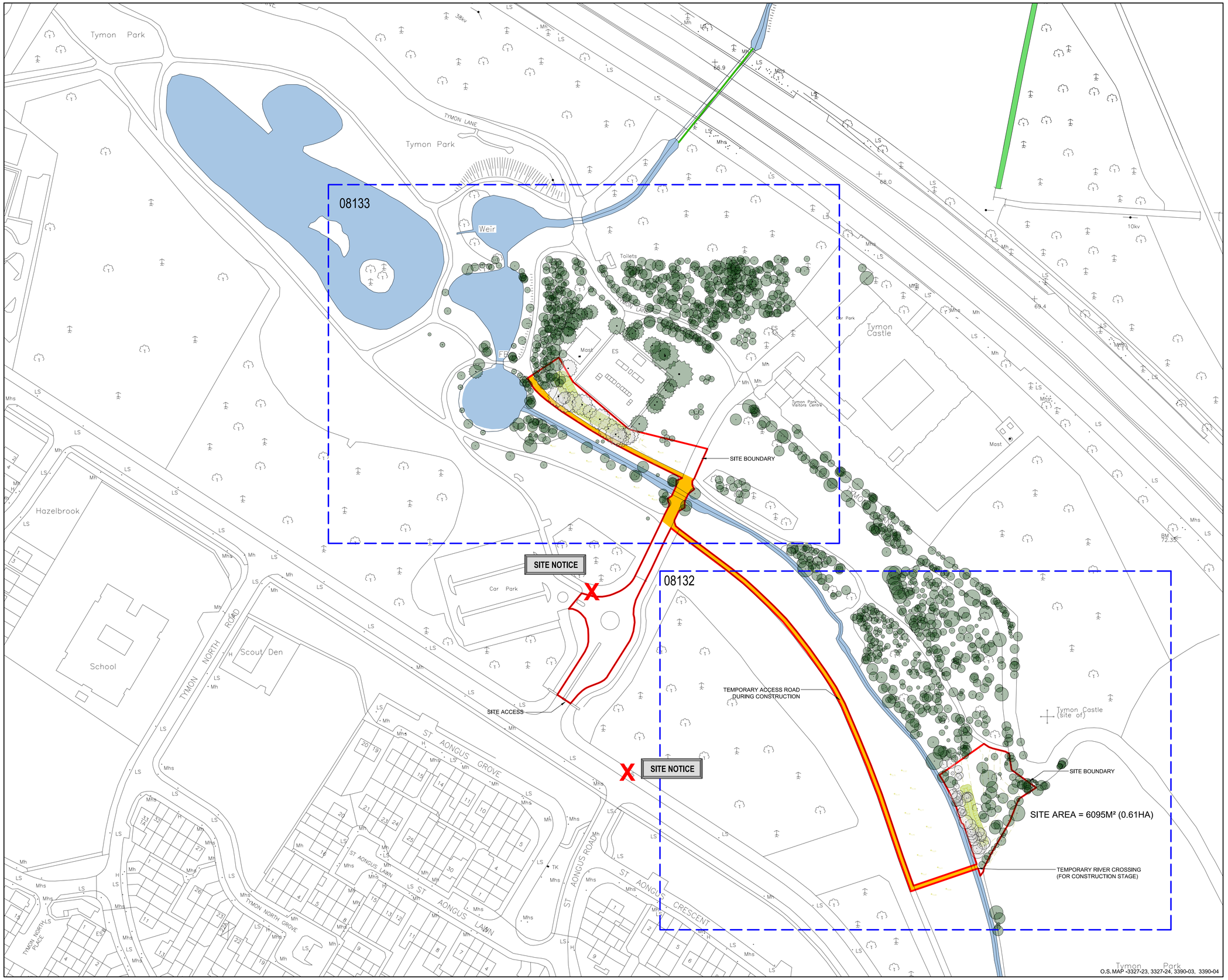
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

SITE LAYOUT PLANS - KEYPLAN

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:12,500 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08130 | P01 |




1 Site Location Plan - Sheet 1
1:1000

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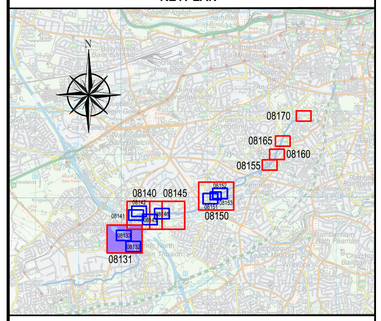
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN

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PROJECT

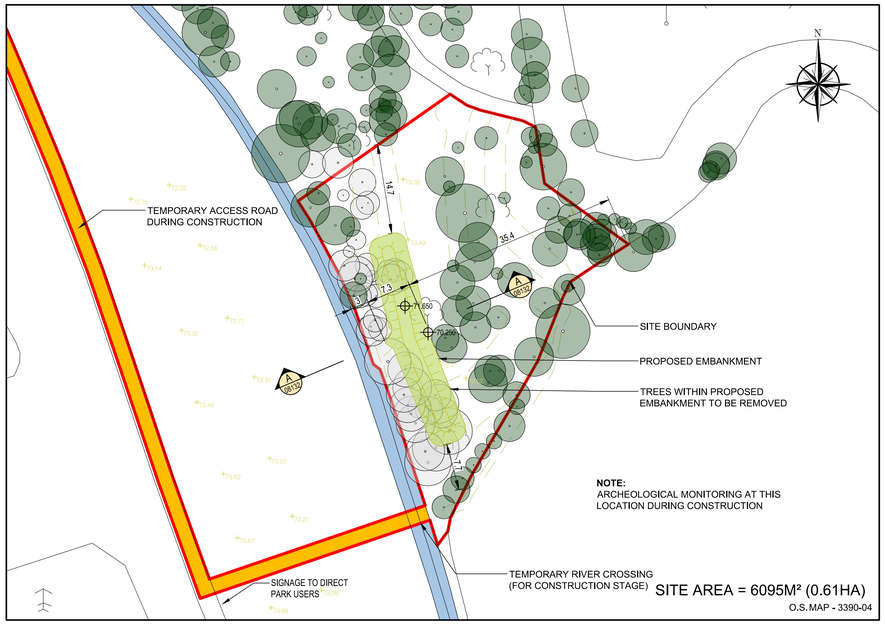
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

TYMON PARK OVERALL LAYOUT
KEYPLAN 1

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08131 | P01 |

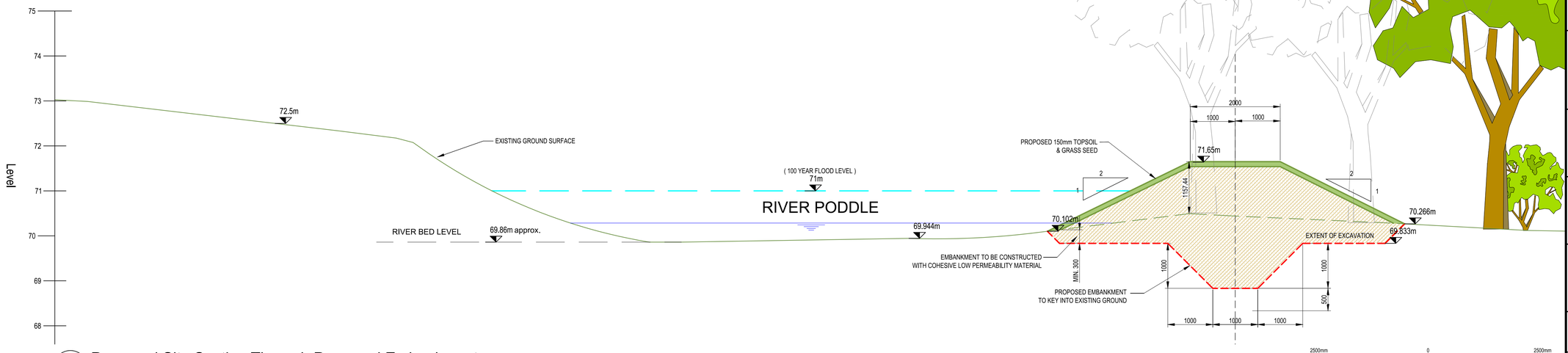



2 Proposed Site Plan

1:500




SCALE 1 : 500




A Proposed Site Section Through Proposed Embankment

1:50




SCALE 1 : 50

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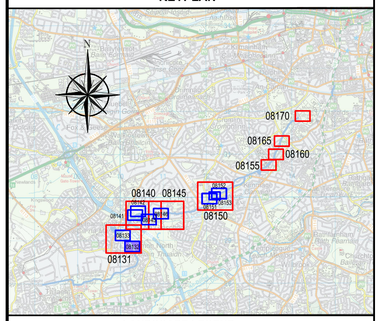
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200 -1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Defining a diagonal axis through the panel | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
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|---|---|---|
| 20662 | A1 | PLANNING |

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Comhairle Cathrach Bhaile Átha Cliath

OPW Oifig na nOibreacha Poiblí Office of Public Works

PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

TYMON NORTH LAYOUT PLAN
& SECTION - SHEET 1

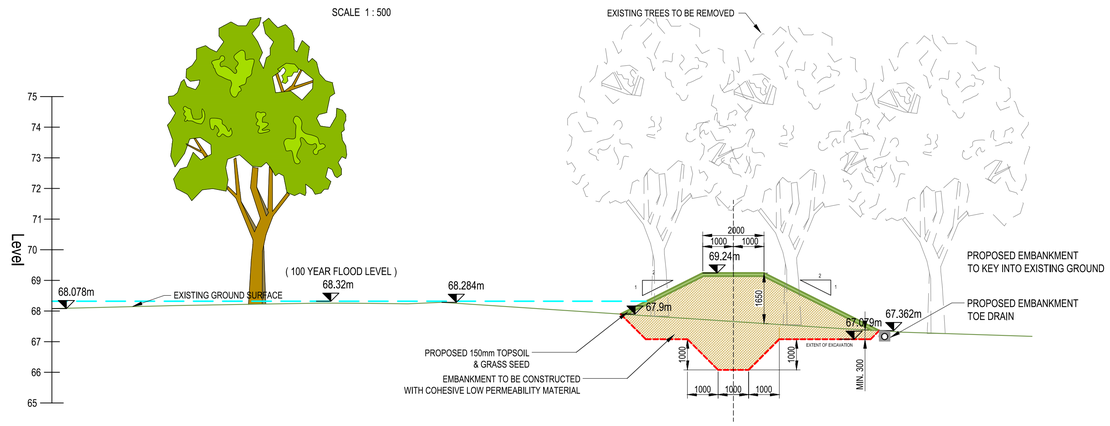
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1,000 @ A1<br>1:500 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>19.07.2019 | DATE<br>19.07.2019 | DATE<br>19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08132 | P01 |

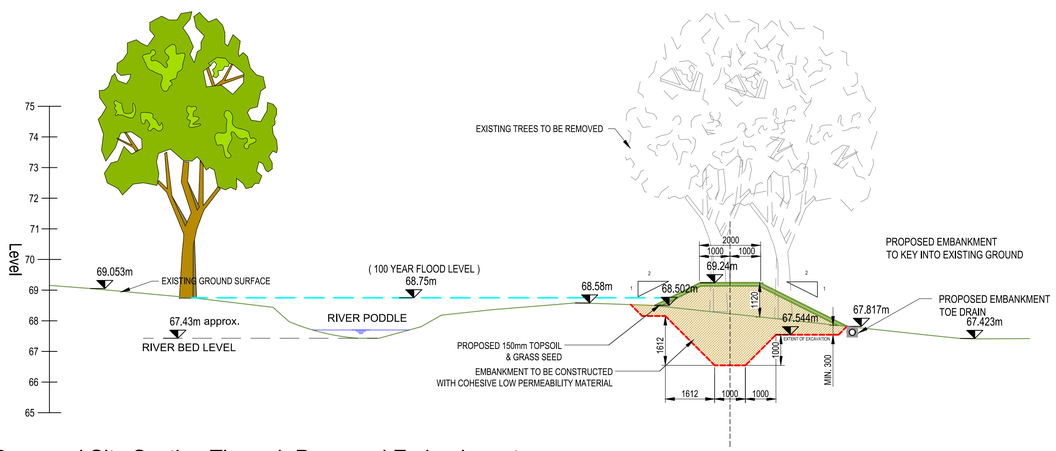



1 Proposed Site Plan
1:500

25m 0 25m
SCALE 1 : 500




B Proposed Site Section Through Proposed Embankment
1:100




A Proposed Site Section Through Proposed Embankment
1:100

5000mm 0 5000mm
SCALE 1 : 100

## NOTES

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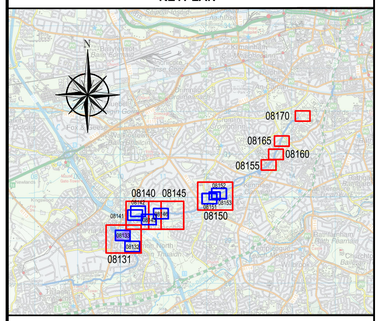
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200-1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Setting a diagonal and through the point | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
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PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
TYMON NORTH LAYOUT PLAN & SECTION - SHEET 2

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:100 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>19.07.2019 | DATE<br>19.07.2019 | DATE<br>19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08133 | P01 |




1 Site Location Map
1:1,000

## NOTES

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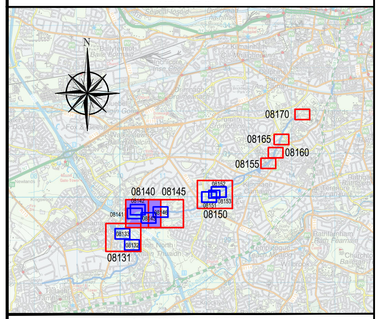
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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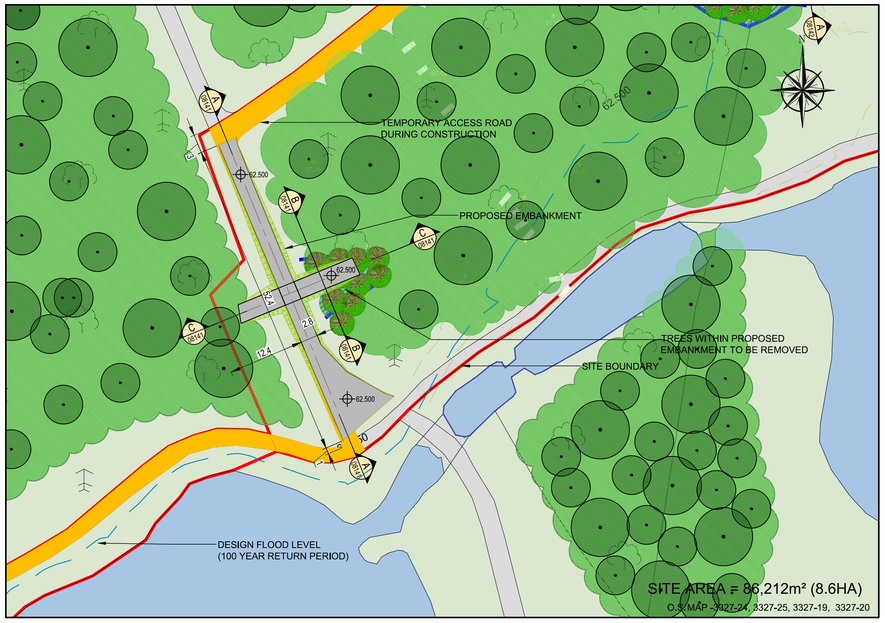
PROJECT
RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE
TYMON PARK OVERALL LAYOUT KEYPLAN 2

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

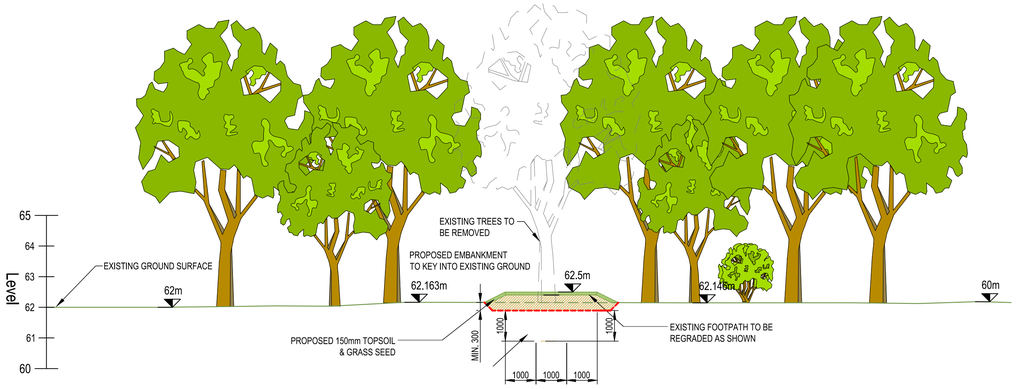
DRAWING No. RPFS-NOD-01-XX-DR-C-08140
REVISION P01




1 Proposed Site Plan
1:500

25m 0 25m

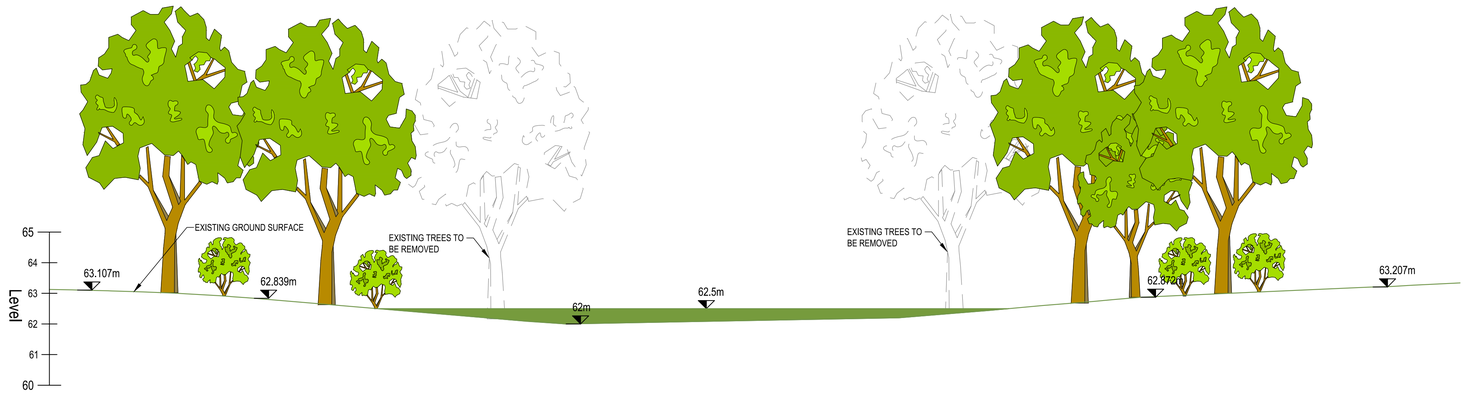
SCALE 1 : 500




B Proposed Site Section Through Footpath Regrading
1:100

5000mm 0 5000mm

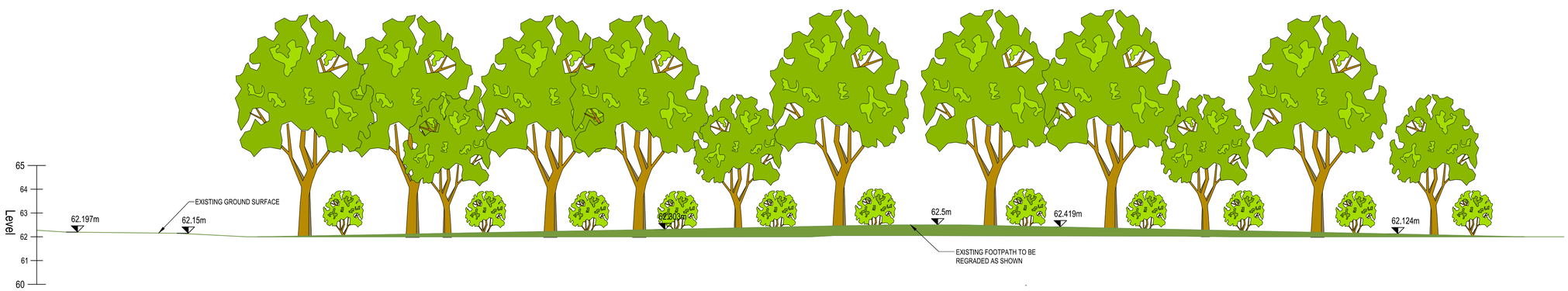
SCALE 1 : 100




C Proposed Site Section Through Footpath Regrading
1:100

5000mm 0 5000mm

SCALE 1 : 100




A Proposed Site Section Through Footpath Regrading
1:100

5000mm 0 5000mm

SCALE 1 : 100

## NOTES

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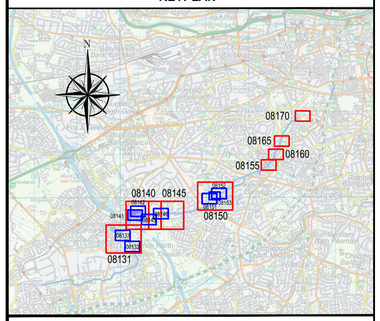
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
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PROJECT

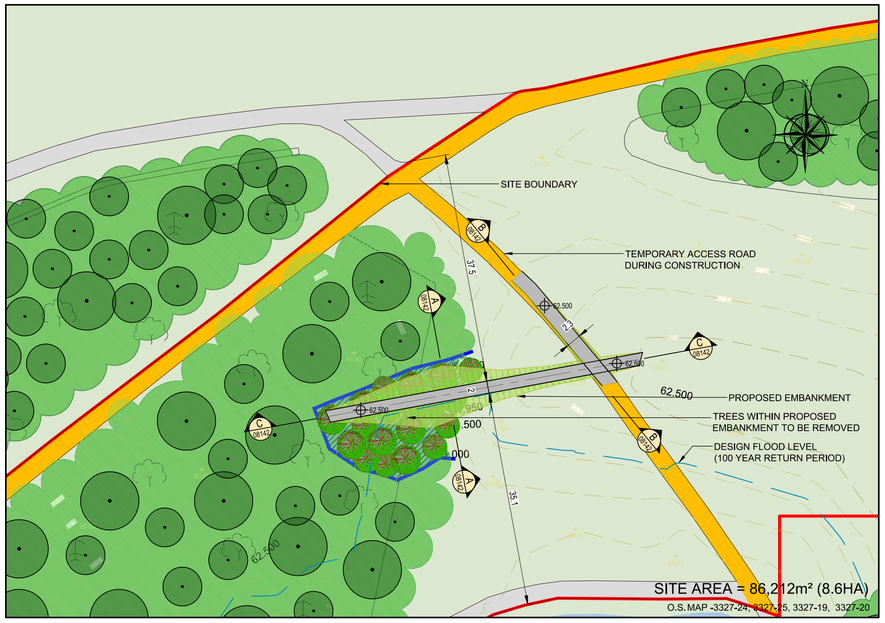
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

TYMON PARK LAYOUT PLAN
& SECTION - SHEET 1

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:100 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>19.07.2019 | DATE<br>19.07.2019 | DATE<br>19.07.2019 |

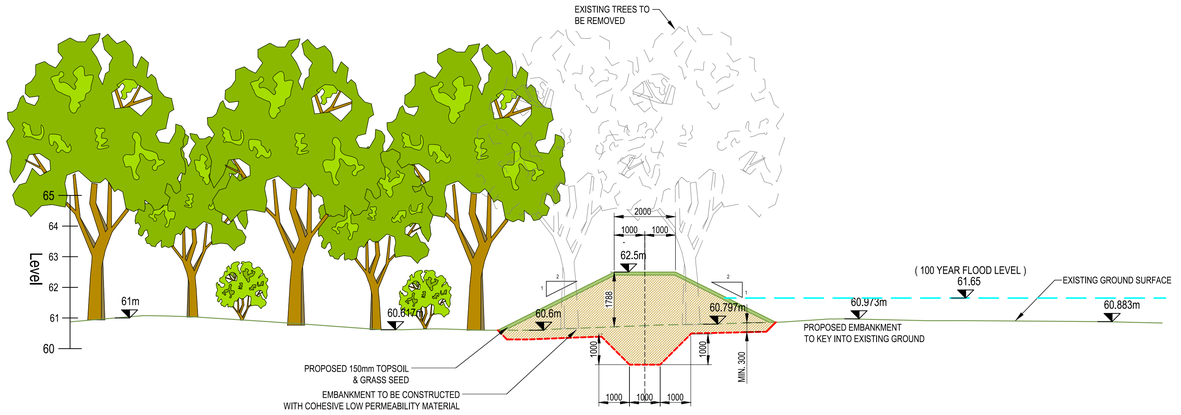
| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08141 | P01 |




1 Proposed Site Plan
1:500

25m 0 25m

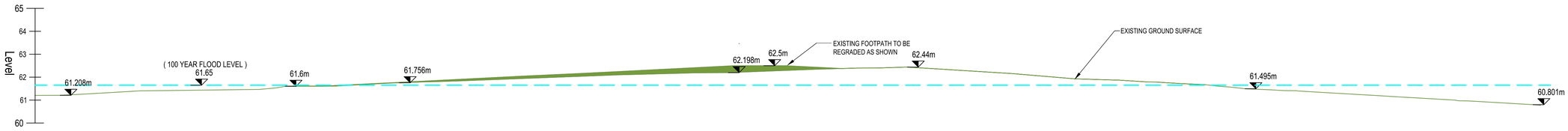
SCALE 1 : 500




A Proposed Site Section Through Proposed Embankment
1:100

5000mm 0 5000mm

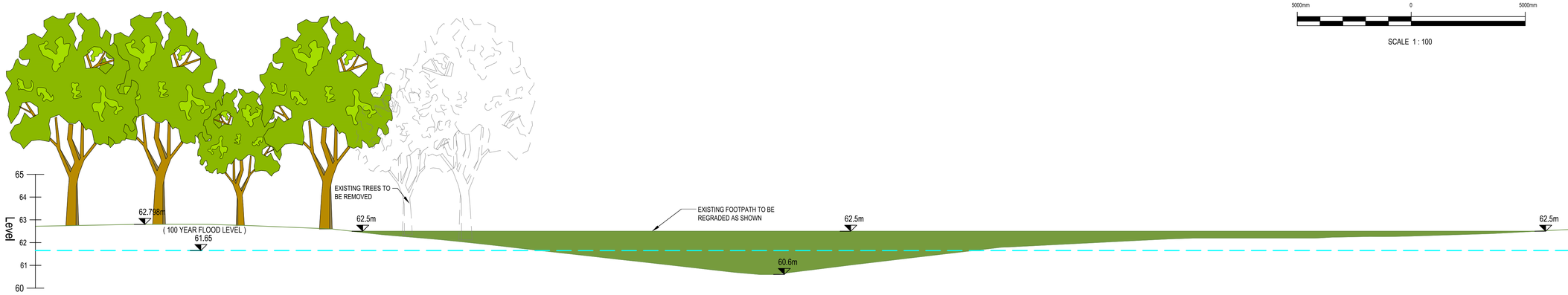
SCALE 1 : 100




B Proposed Site Section Through Footpath Regrading
1:100

5000mm 0 5000mm

SCALE 1 : 100




C Proposed Site Section Through Proposed Embankment
1:100

5000mm 0 5000mm

SCALE 1 : 100

## NOTES

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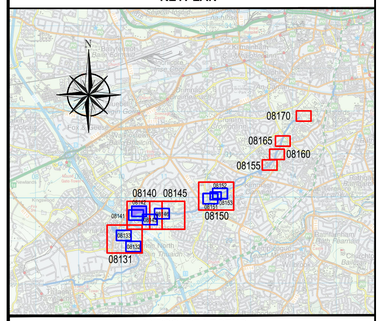
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |
| | | | D | C | A |

| PROJECT No. | STATUS | PURPOSE OF USE |
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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

TYMON PARK LAYOUT PLAN
& SECTION - SHEET 2

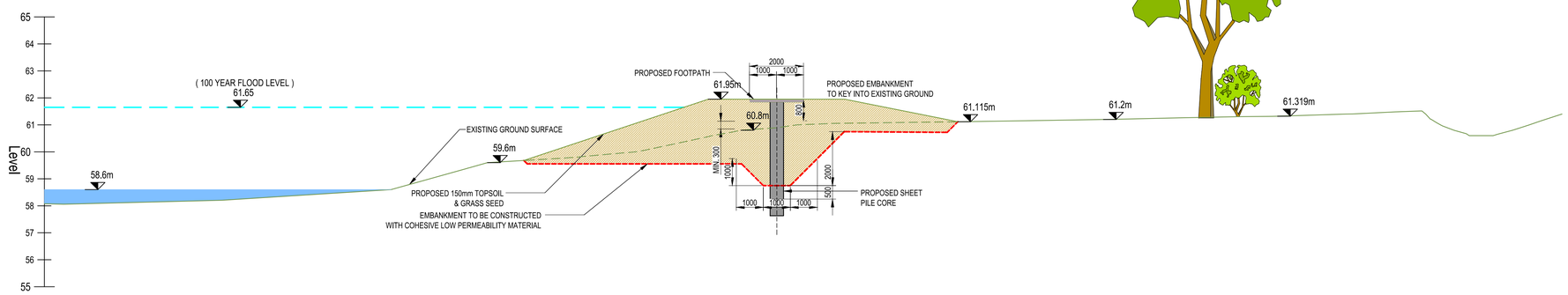
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:100 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08142 | P01 |




1 Proposed Site Plan
1:500

25m 0 25m
SCALE 1 : 500




A Proposed Site Section Through Proposed Embankment
1:100

5000mm 0 5000mm
SCALE 1 : 100

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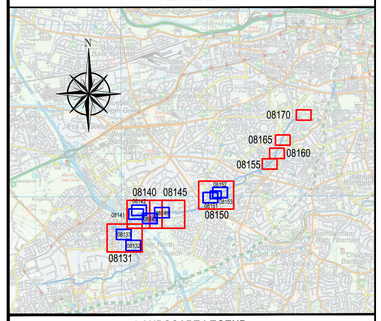
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | M.C. | B.T. | B.D. |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | | | |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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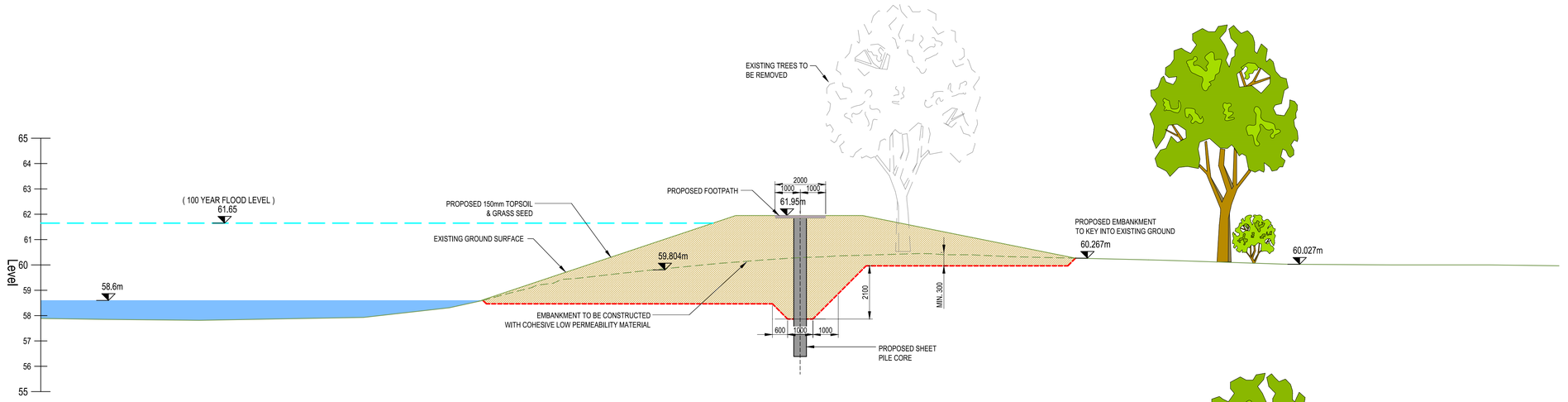
PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
TYMON PARK LAYOUT PLAN
& SECTION - SHEET 3

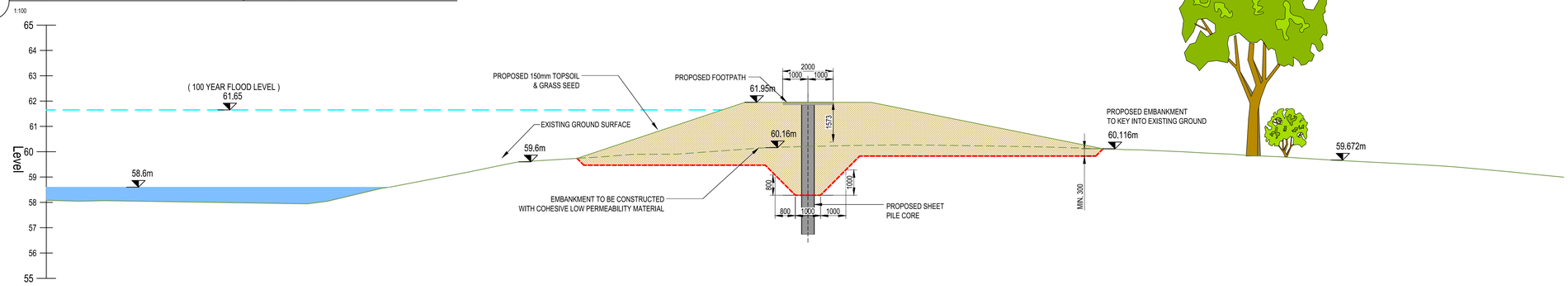
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:100 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08143 | P01 |



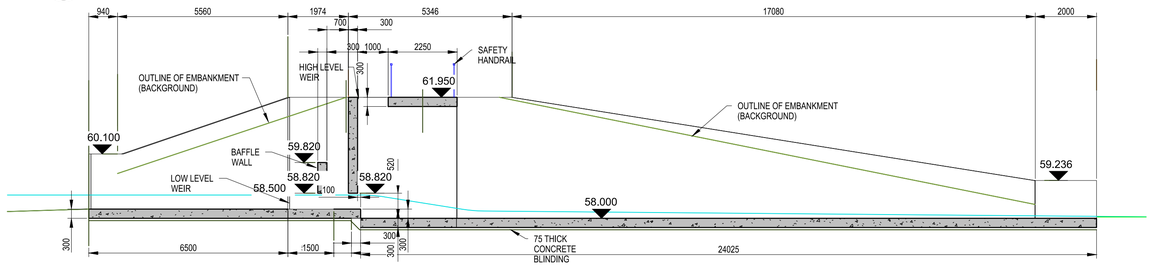

## B Proposed Site Section Through Proposed Embankment

1:100



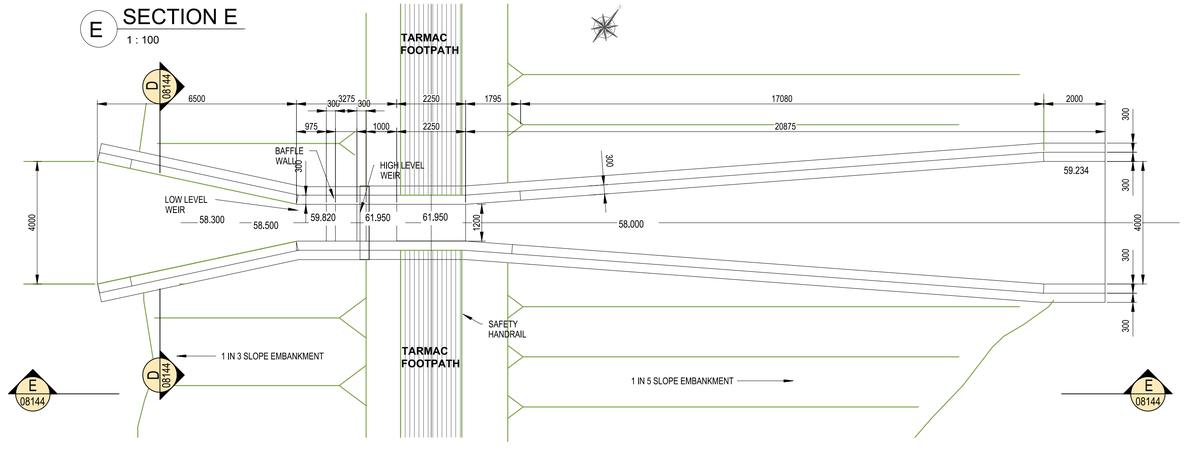

## C Proposed Site Section Through Proposed Embankment

1:100




## E SECTION E

1 : 100



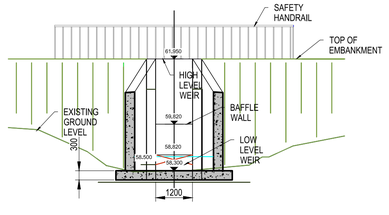

## 1 PLAN - FLOW CONTROL STRUCTURE

1 : 100



## 2 CONCEPTUAL 3D VIEW

N/A




## D SECTION D

1 : 100

5000mm 0 5000mm

SCALE 1 : 100

### NOTES

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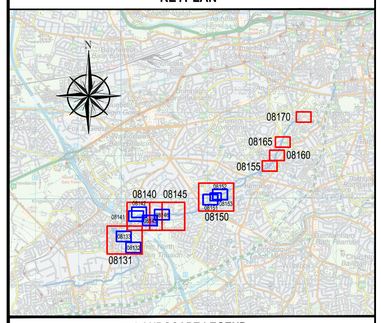
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

### LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

### KEYPLAN




### LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | M.C. | B.T. | B.D. |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | D | C | A |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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T +353 1 296 9000
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PROJECT

RIVER PODDLE FLOOD ALLEVIATION SCHEME

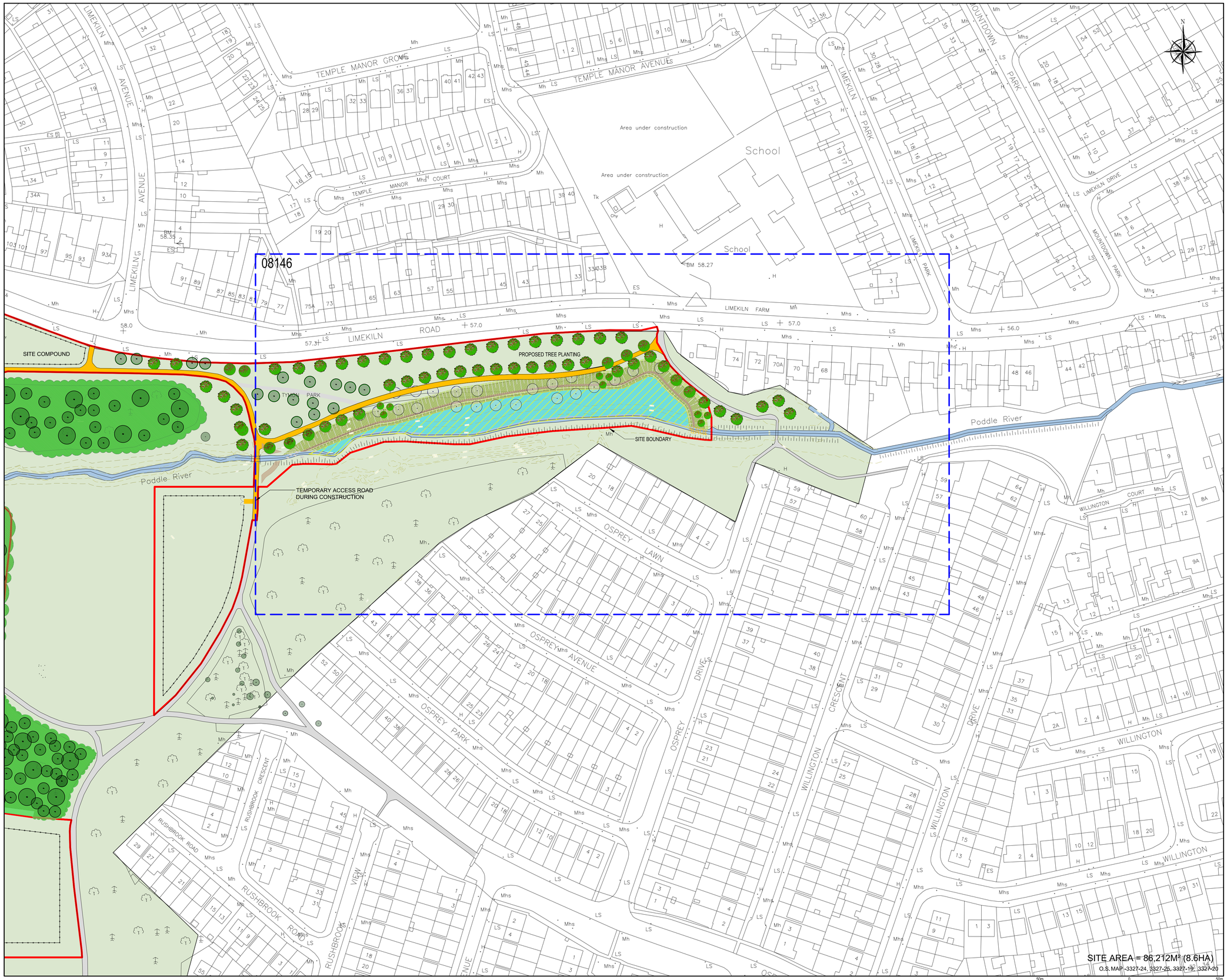
TITLE

TYMON PARK LAYOUT PLAN & SECTION - SHEET 4

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:100 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

DRAWING No. RPFS-NOD-01-XX-DR-C-08144

REVISION P01




1 Site Location Map
1:1,000

## NOTES

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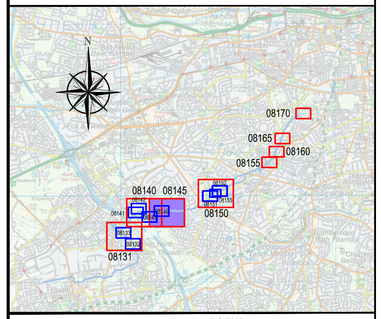
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
TYMON PARK OVERALL LAYOUT
KEYPLAN 3
(INTEGRATED WETLAND)

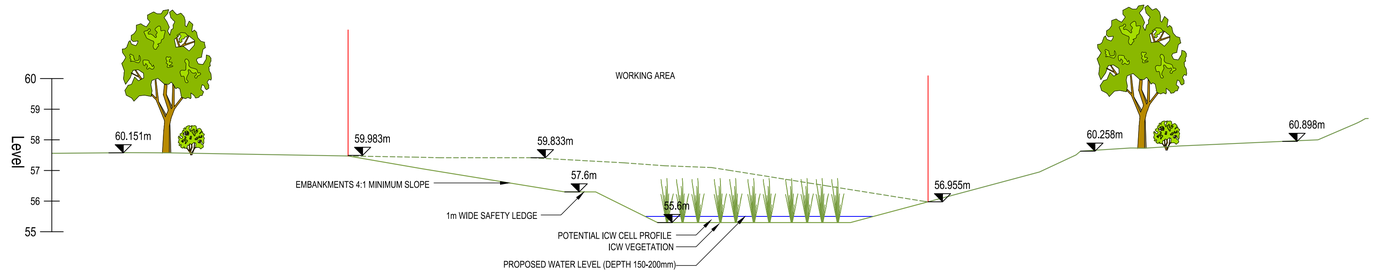
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

DRAWING No. RPFS-NOD-01-XX-DR-C-08145
REVISION P01



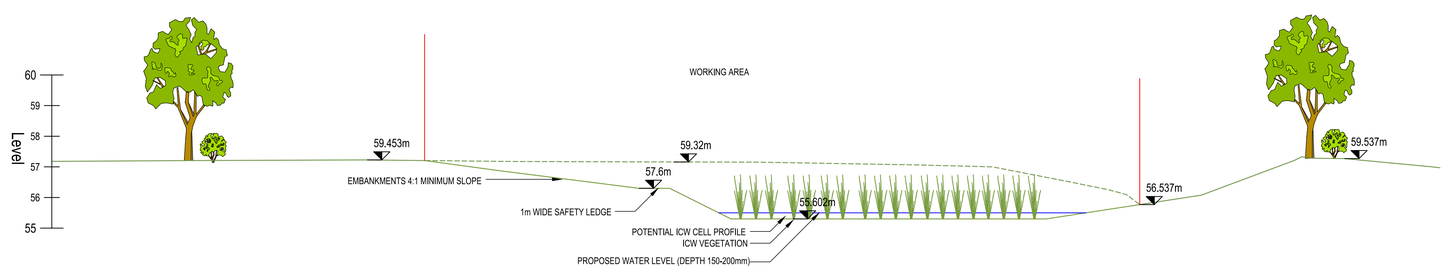

## 1 Proposed Site Plan - Intergrated Constructed Wetland

1:500




## A Proposed Site Section Through Proposed Wetlands

1:200




## B Proposed Site Section Through Proposed Wetlands

1:200

10,000mm 0 10,000mm

SCALE 1 : 200

### NOTES

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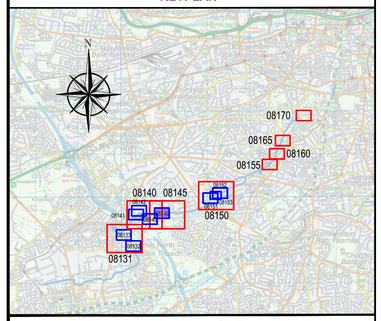
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

### LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | EXISTING GROUND LEVEL |
| | EXISTING GROUND LEVEL |
| | PROPOSED GROUND LEVEL |
| | PROPOSED WATER LEVEL |
| | EXISTING SURFACE WATER |
| | AREA TO BE PLANTED AND WIDENED |
| | WEIR |
| | SLOPED EMBANKMENT |
| | TEMPORARY ACCESS ROAD DURING CONSTRUCTION |

### KEYPLAN




### LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

TYMON PARK LAYOUT PLAN
& SECTION - SHEET 5

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:200 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>19.07.2019 | DATE<br>19.07.2019 | DATE<br>19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08146 | P01 |




1 Existing Site Plan
1:1250

## NOTES

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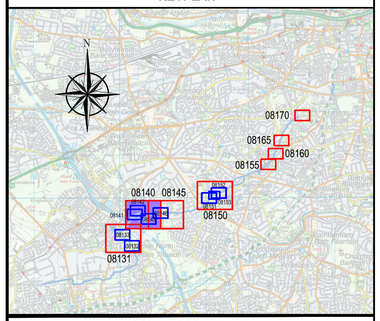
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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OPW
Oifig na nOibreacha Poiblí
Office of Public Works

PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
TYMON PARK
EXISTING SITE LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 06.12.2019 | DATE 19.07.2019 | DATE 06.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08147 | P01 |




SITE AREA = 86,212M² (8.6HA)

O.S.MAP -3327-24, 3327-25, 3327-19, 3327-20

50m 0 50m

SCALE 1 : 1,250

1 Construction Site Plan

1:1250

## NOTES

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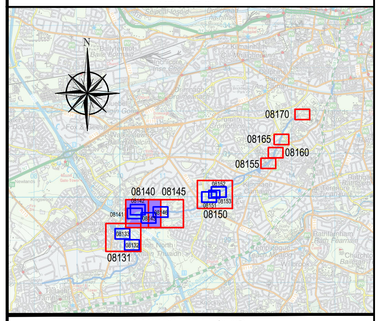
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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PROJECT

# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

# TYMON PARK CONSTRUCTION SITE LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 06.12.2019 | DATE 19.07.2019 | DATE 06.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08148 | P01 |




1 Final Site Plan
1:1250

## NOTES

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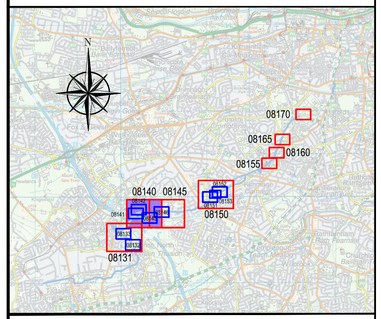
4. Do not scale from Drawings.
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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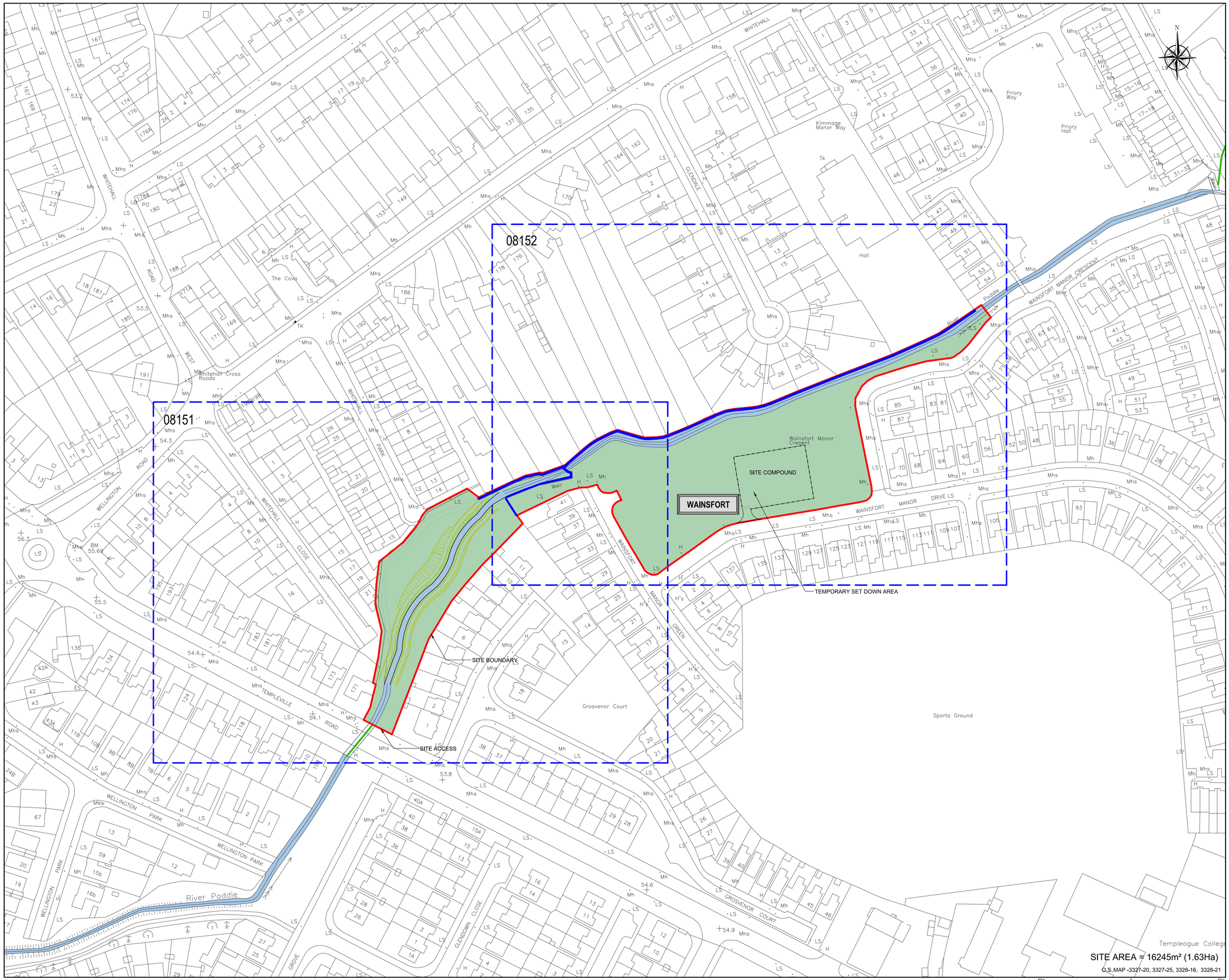
PROJECT
RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE
TYMON PARK FINAL SITE LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 06.12.2019 | DATE 19.07.2019 | DATE 06.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08149 | P01 |




1 Site Location Map
1:1,000

## NOTES

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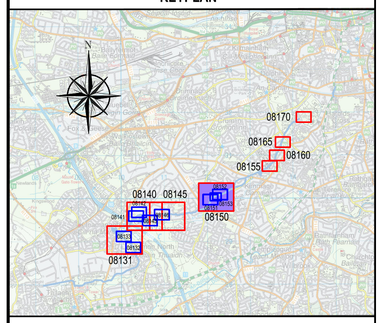
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park,
Nutgrove Avenue, Dublin 14
T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

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Comhairle Contae Átha Cliath Theas
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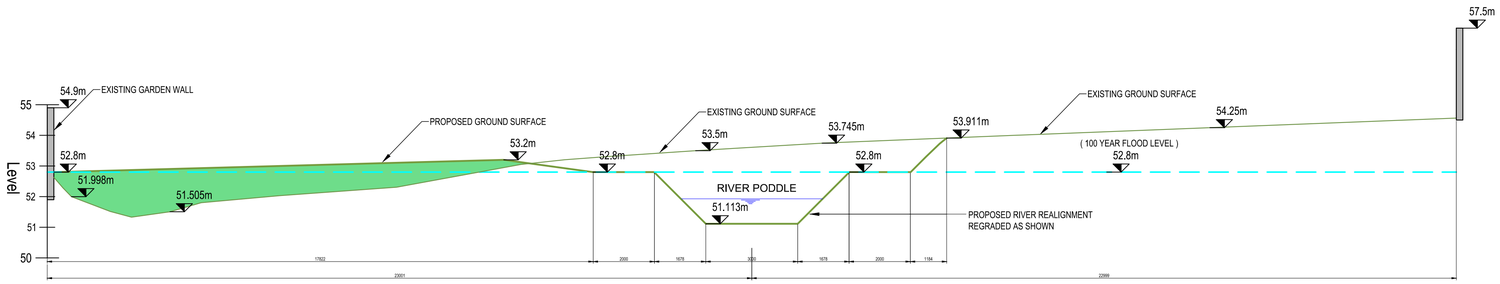
OPW Oifig na nOibreacha Poiblí Office of Public Works

PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
WHITEHALL PARK &
WAINSFORT MANOR CRESCENT
SITE LOCATION MAP

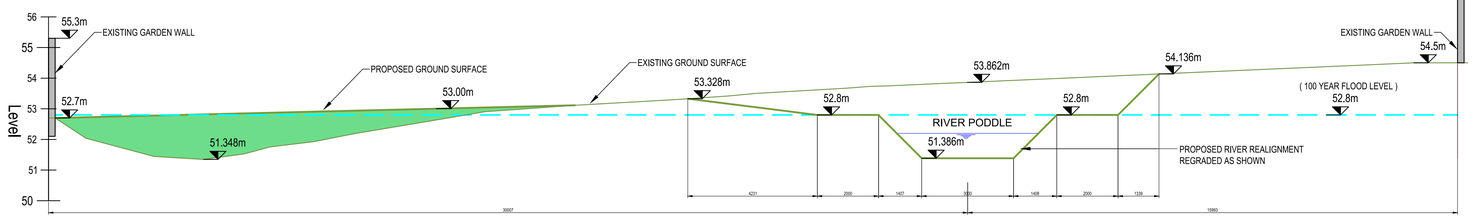
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08150 | P01 |



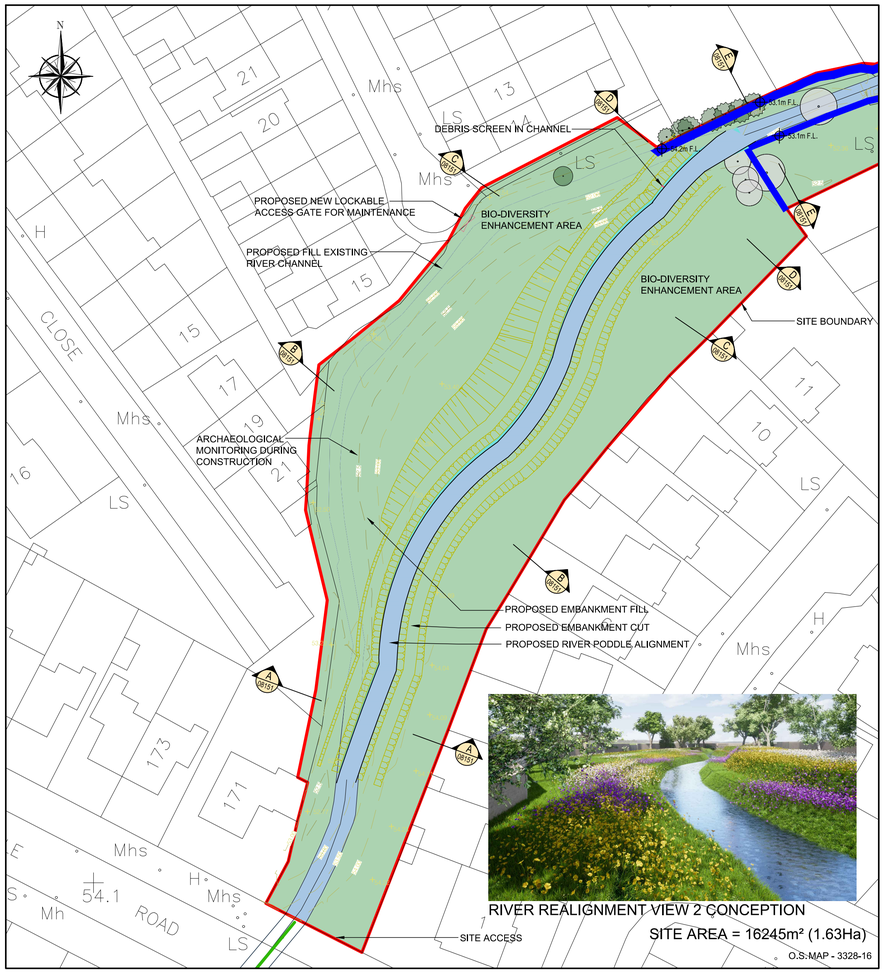

## C Proposed Site Section Through Proposed River Realignment

1:100




## B Proposed Site Section Through Proposed River Realignment

1:100

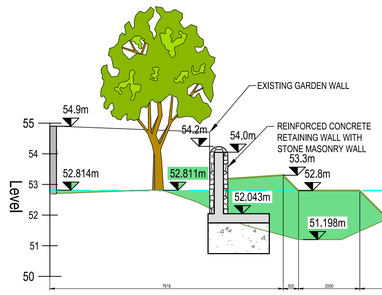



## 1 Proposed Site Plan

1:500

25m 0 25m

SCALE 1 : 500



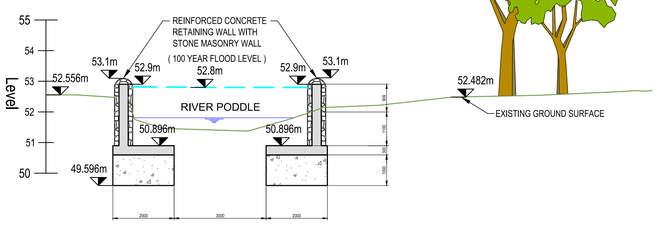

## D Proposed Site Section Through Proposed River Realignment

1:100



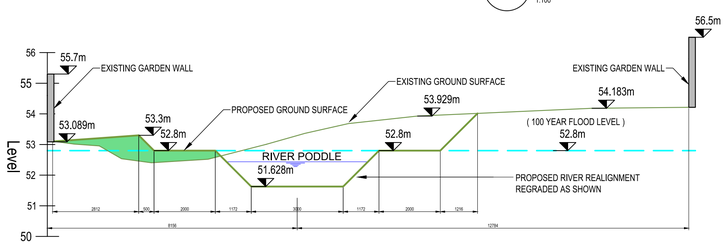
## 3 River Realignment View 1 Conception

N.T.S.



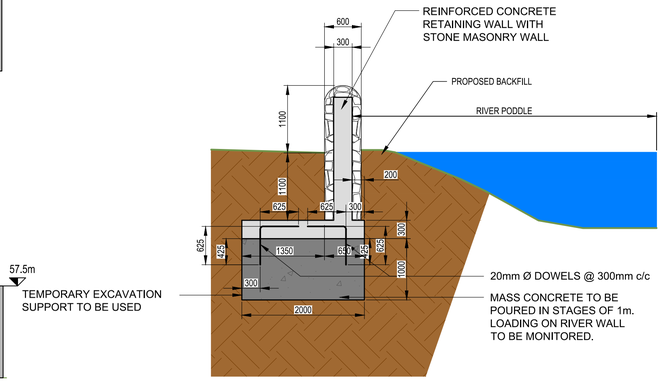

## E Proposed Site Section Through Proposed River Realignment

1:100



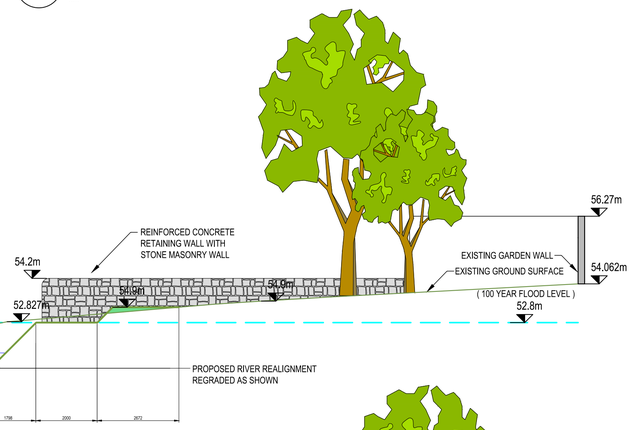

## A Proposed Site Section Through Proposed River Realignment

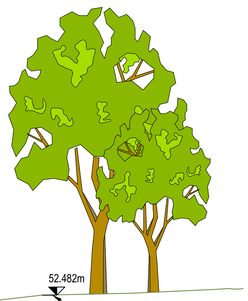
1:100




## 2 Typical Stone Wall Detail

1:50



## NOTES

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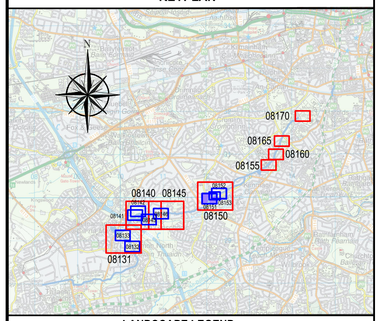
4. Do not scale from Drawings.
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT CUT |
| | PROPOSED EMBANKMENT FILL |
| | PROPOSED FILL EXISTING RIVER PODDLE ALIGNMENT |
| | PROPOSED RIVER PODDLE ALIGNMENT |
| | PROPOSED RETAINING WALL |
| | EXISTING CULVERT |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200-1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Defining a diagonal axis through the park | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
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F +353 1 296 9001
E dublin@nodwyer.com
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Dublin City Council
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OPW Oifig na nOibreacha Poiblí Office of Public Works

PROJECT

# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

## WHITEHALL PARK & WAINSFORT MANOR CRESENT LAYOUT PLAN & SECTION SHEET 1

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:100 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 19.07.2019 | DATE 19.07.2019 | DATE 19.07.2019 |

DRAWING No. RPFS-NOD-01-XX-DR-C-08151

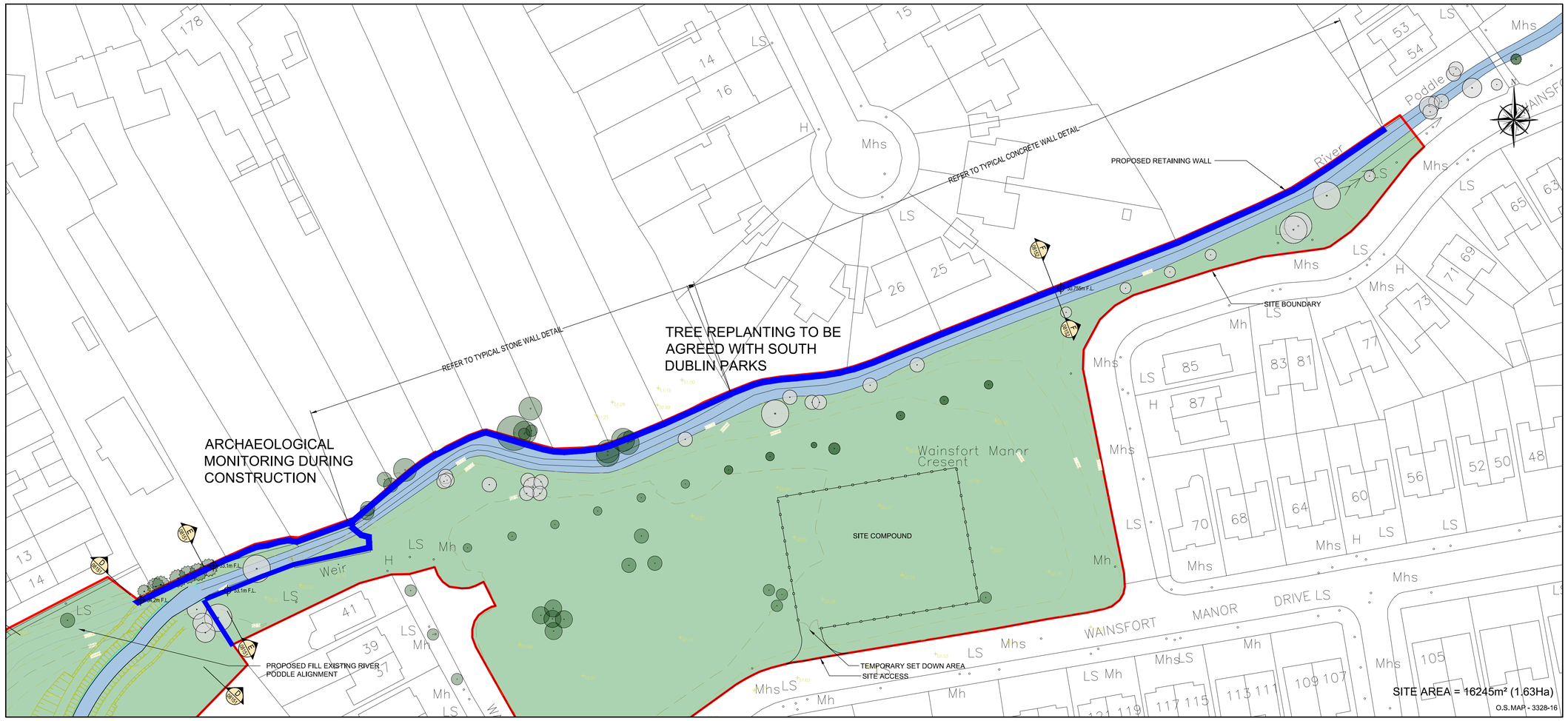
REVISION P01

2500mm 0 2500mm

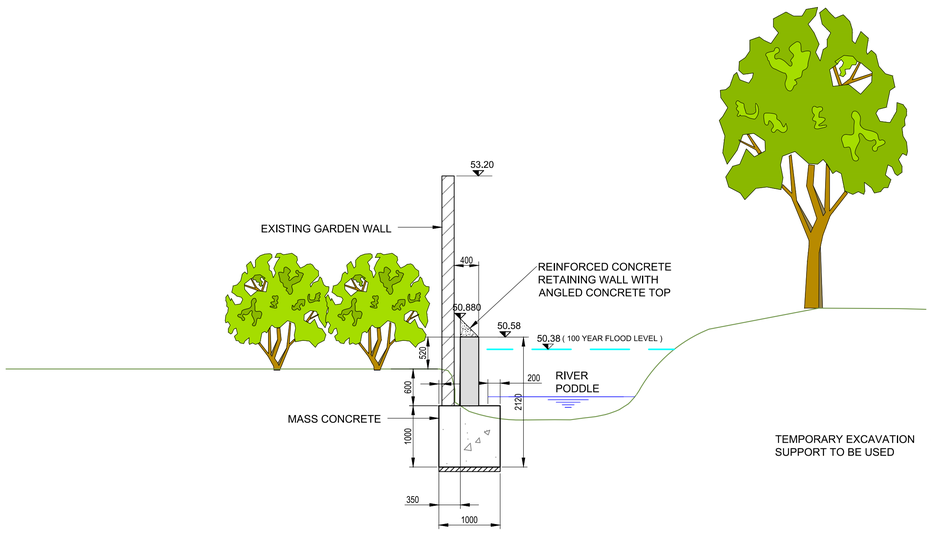
SCALE 1 : 50

5000mm 0 5000mm

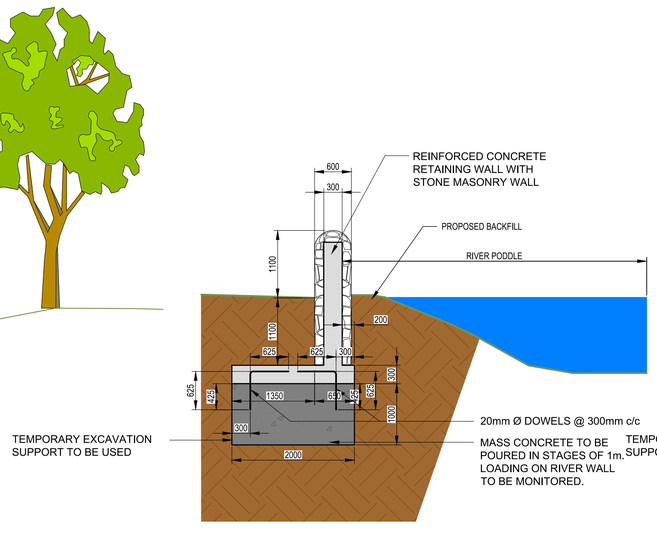
SCALE 1 : 100



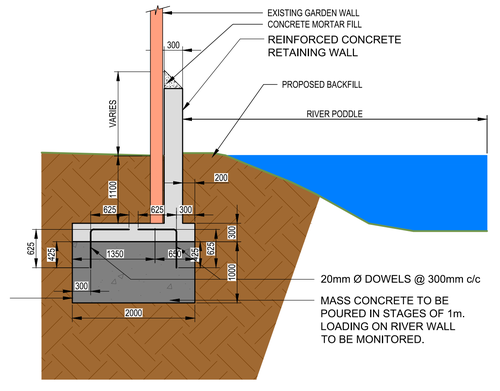

1 Proposed Site Plan
1:500




F Proposed Site Section Through Proposed Retaining Wall
1:50




2 Typical Stone Wall Detail
1:50




3 Typical Concrete Wall Detail
1:50

2500mm 0 2500mm
SCALE 1 : 50

## NOTES

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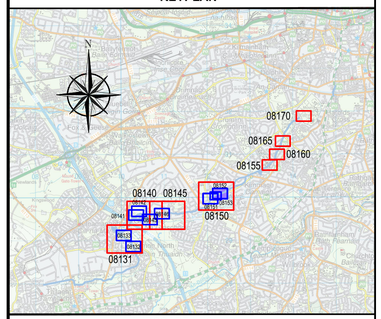
4. Do not scale from Drawings.
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT CUT |
| | PROPOSED EMBANKMENT FILL |
| | PROPOSED FILL EXISTING RIVER PODDLE ALIGNMENT |
| | PROPOSED RIVER PODDLE ALIGNMENT |
| | PROPOSED RETAINING WALL |
| | EXISTING CULVERT |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200 -1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Defining a diagonal axis through the point | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
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PROJECT
RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE
WHITEHALL PARK & WAINSFORT MANOR CRESCENT LAYOUT PLAN & SECTION SHEET 2

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:500 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 08.08.2019 | DATE 08.08.2019 | DATE 08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08152 | P01 |

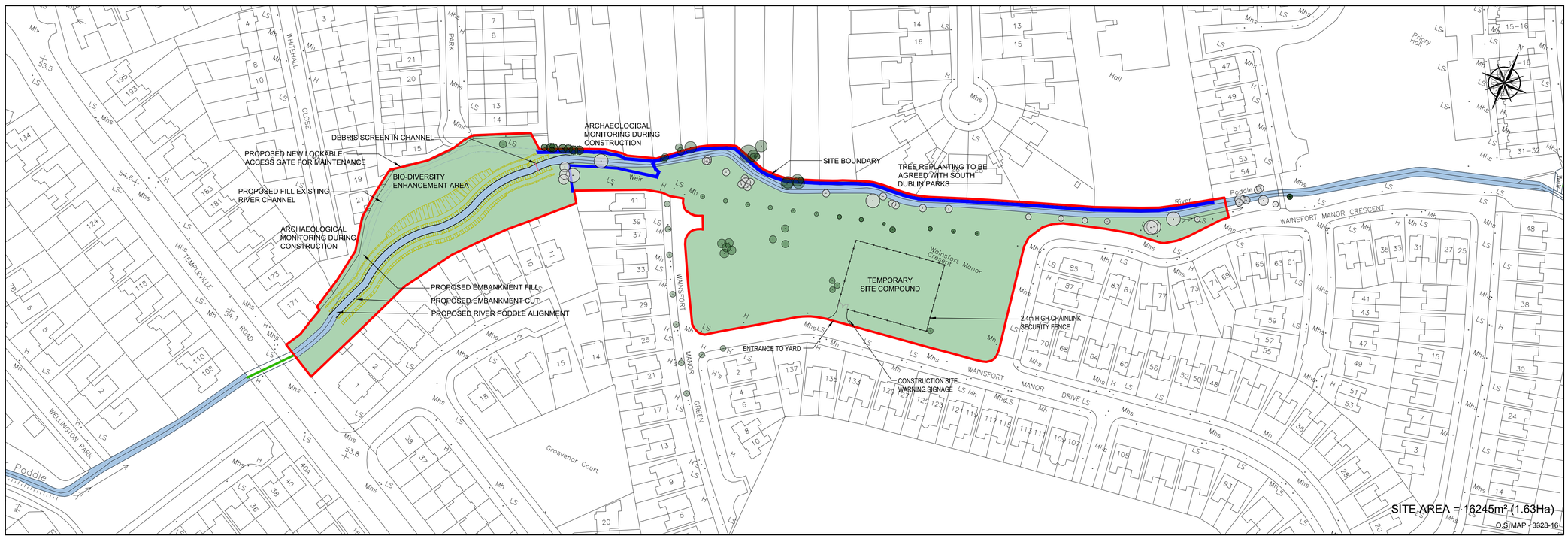



1 Existing Site Plan

1:1000

50m 0 50m

SCALE 1 : 1,000




2 Construction Site Plan

1:1000

50m 0 50m

SCALE 1 : 1,000

## NOTES

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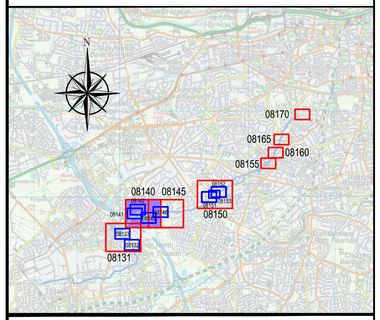
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
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Comhairle Cathrach Bhaile Átha Cliath

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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

WHITEHALL PARK &
WAINSFORT MANOR CRESCENT
EXISTING & CONSTRUCTION
SITE LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 06.12.2019 | DATE 19.07.2019 | DATE 06.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08153 | P01 |




1 Final Site Plan
1:1000

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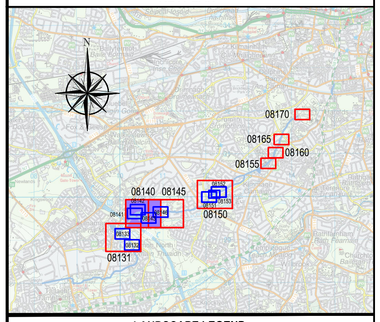
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES - 23No IMPACTED BY WORKS | | EXISTING TREES |
| | PROPOSED TREES | | PROPOSED WOODLAND |
| | EXISTING WOODLAND | | EXISTING WOODLAND IMPACTED BY EMBANKMENT |
| | EXISTING PATHS | | REALIGNED PATHS |
| | EMBANKMENT | | EXISTING HEDGE |
| | EXISTING CONTOURS | | CONTOUR REALIGNMENT |
| | MAXIMUM WATER LEVEL +61.950 | | PICNIC TABLES |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

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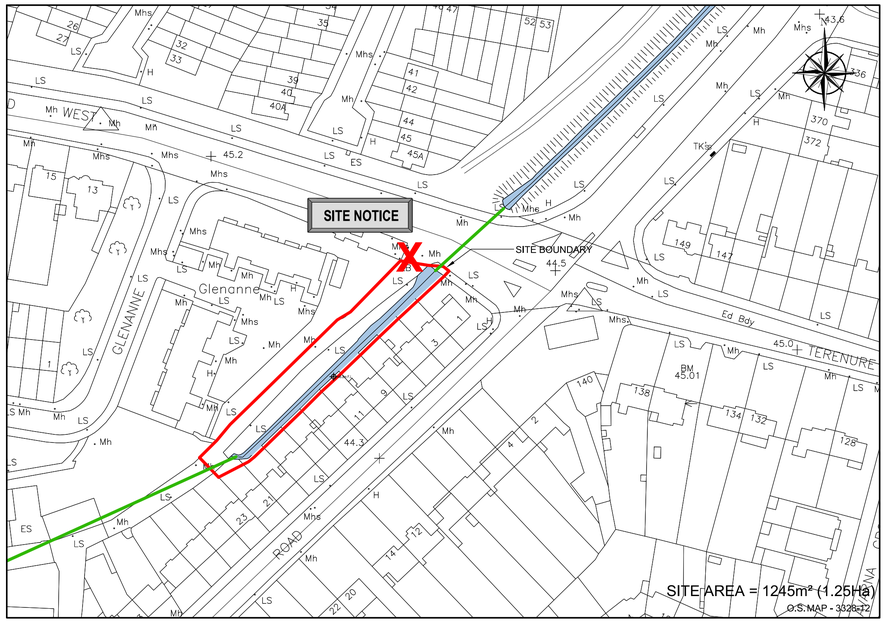
PROJECT
# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE
## WHITEHALL PARK & WAINSFORT MANOR CRESCENT COMPLETED SITE LAYOUT

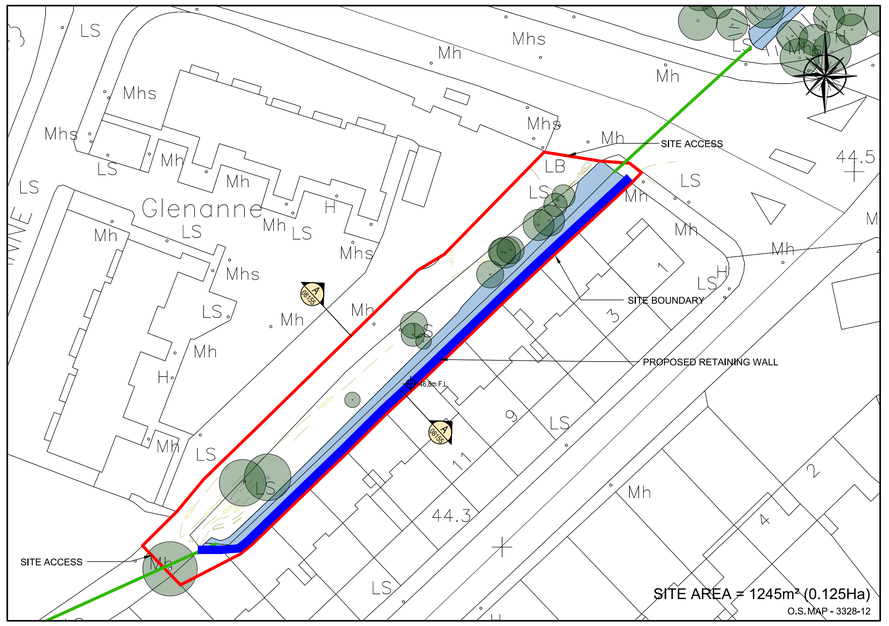
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 06.12.2019 | DATE 19.07.2019 | DATE 06.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08154 | P01 |



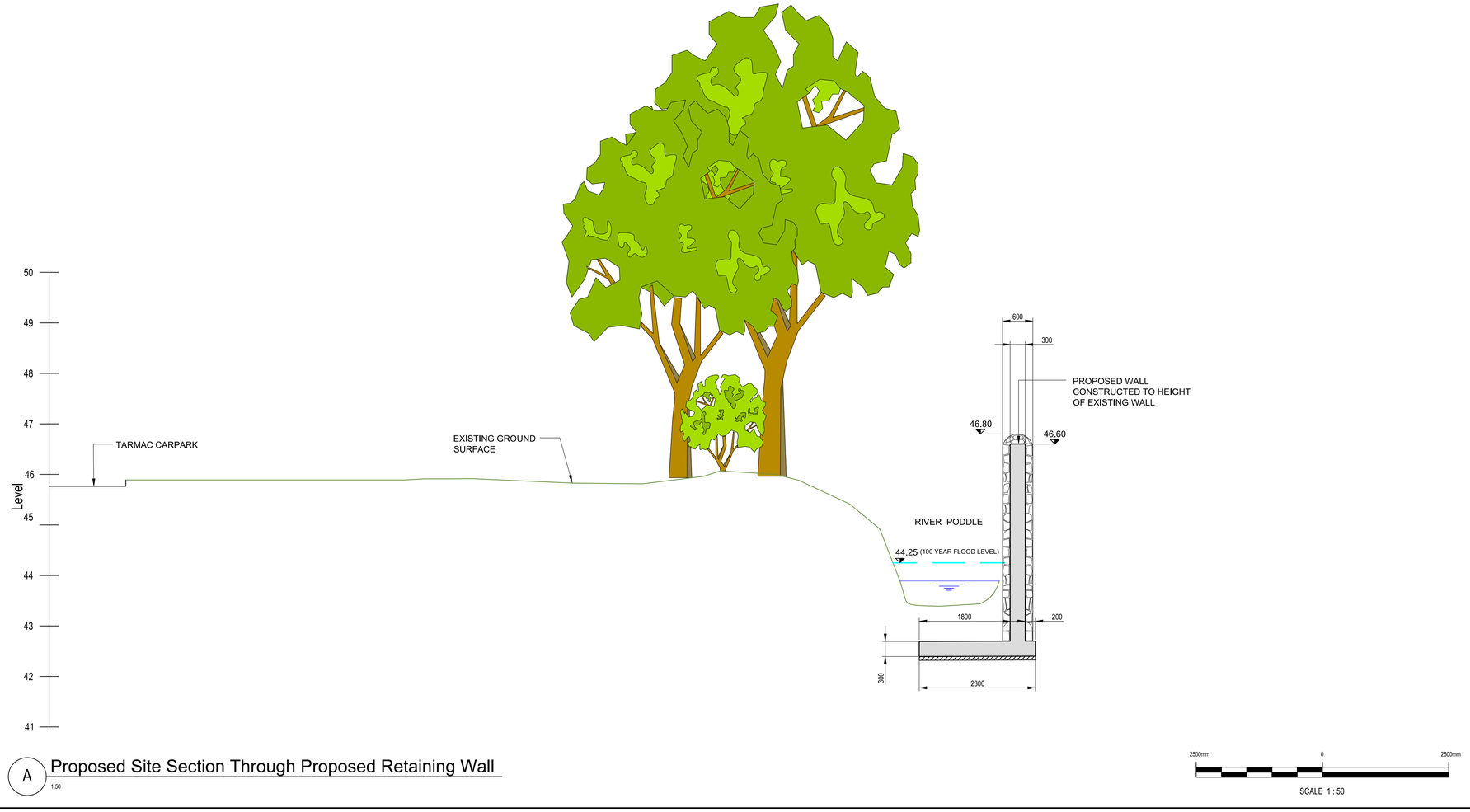

1 Site Location Plan
1:1000

50m 0 50m
SCALE 1 : 1,000




2 Proposed Site Plan
1:500

25m 0 25m
SCALE 1 : 500




A Proposed Site Section Through Proposed Retaining Wall
1:50

2500mm 0 2500mm
SCALE 1 : 50

## NOTES

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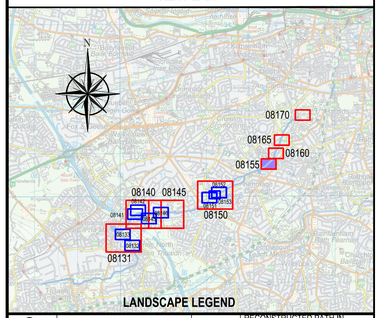
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200 -1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Defining a diagonal axis through the park | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

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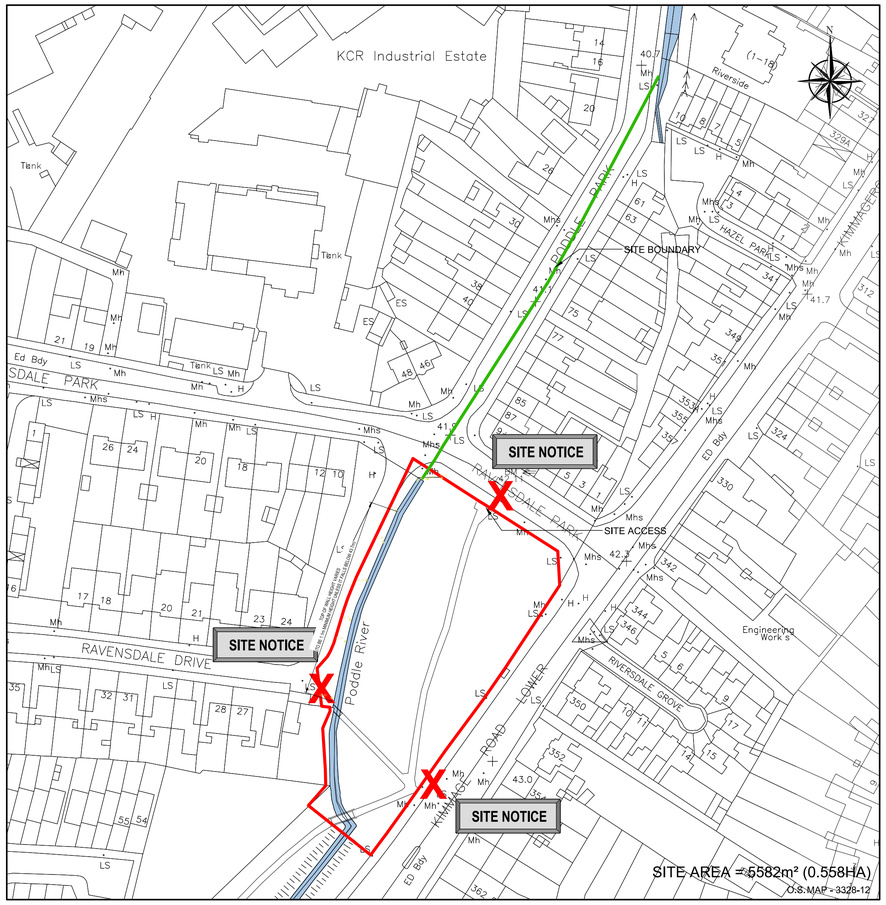
OPW Oifig na nOibreacha Poiblí Office of Public Works

PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
ST. ANNE'S TERRACE LAYOUT
PLAN AND SECTIONS

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1<br>1:500 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 08.08.2019 | DATE 08.08.2019 | DATE 08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08155 | P01 |



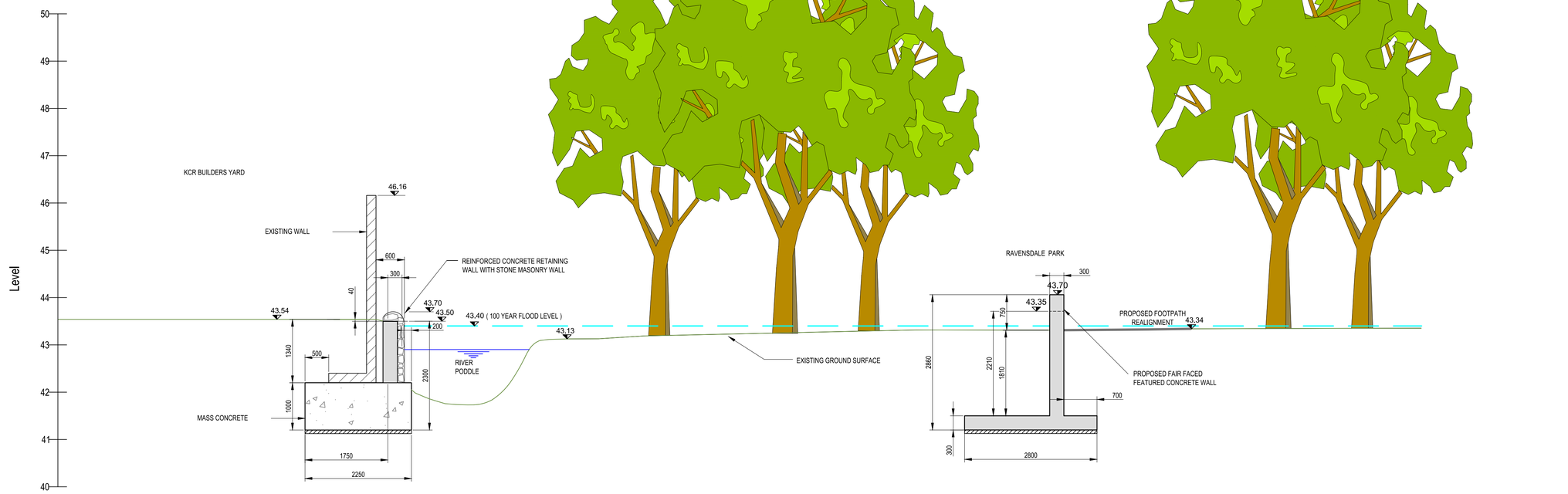

1 Site Location Plan

1:1000




2 Proposed Site Plan

1:500




A Proposed Site Section Through Proposed Retaining Wall

1:50

## NOTES

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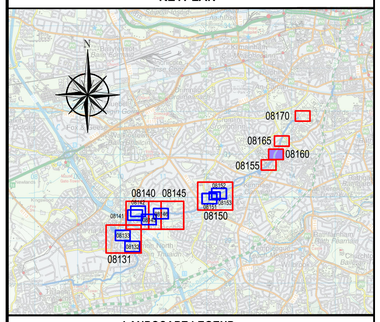
4. Do not scale from Drawings.
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED *T841: Acer platanoides T843: Acer platanoides T850: Tilia cordata T851: Tilia cordata T853: Acer platanoides T855: Acer platanoides* | | EXISTING PATH |
| | | Wall height varies from 200-1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | PROPOSED SPECIMEN TREES *Tilia cordata 'Greenspire' n. 3. 2 m clear stem, 18-20 cm girth, 4-6 m ht.* | Defining a diagonal axis through the panel | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | | | EXISTING CONCRETE WALL |
| | RIPARIAN VEGETATION | | EXISTING BRICK WALL |
| | RIVER PODDLE | | **EXISTING CONTOURS** |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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PROJECT

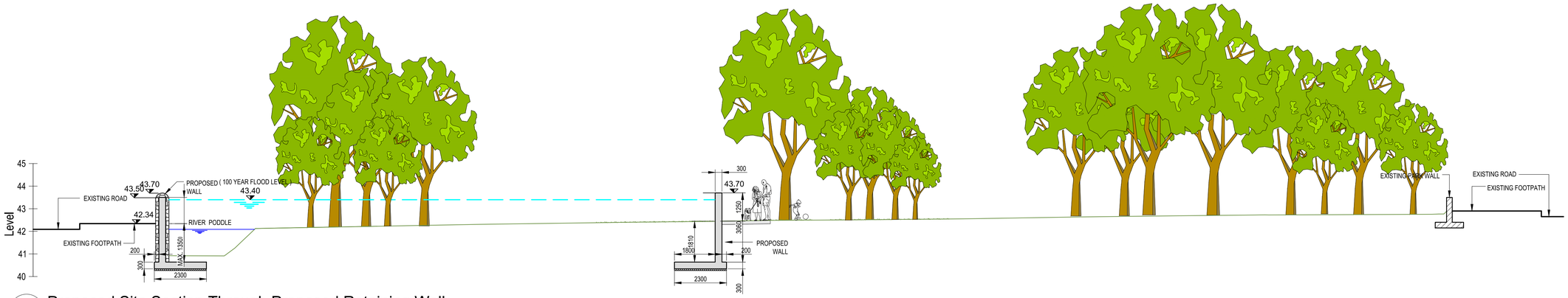
# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

# RAVENSDALE PARK LAYOUT PLAN AND SECTIONS SHEET 1

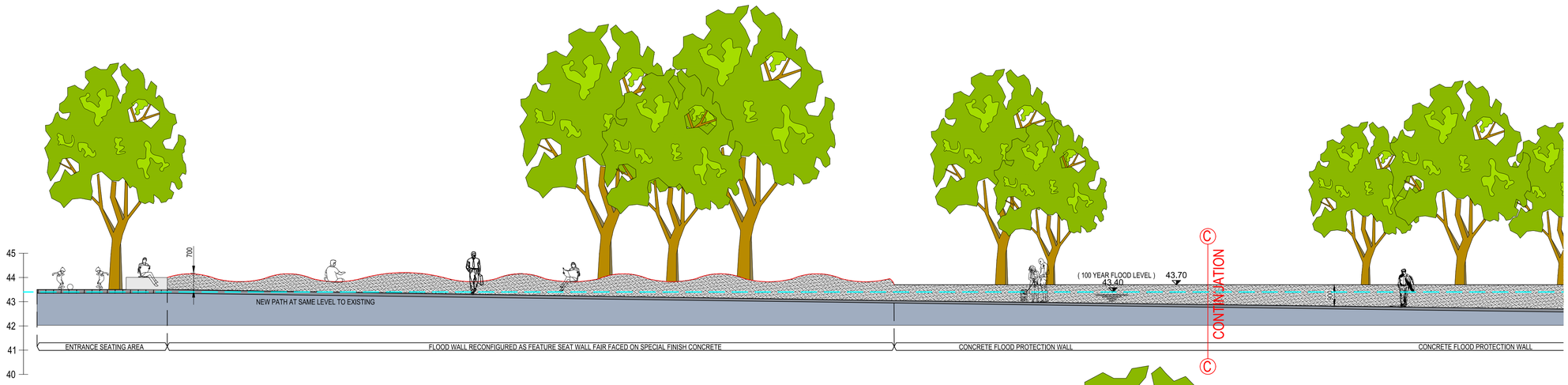
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1<br>1:500 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>08.08.2019 | DATE<br>08.08.2019 | DATE<br>08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08160 | P01 |



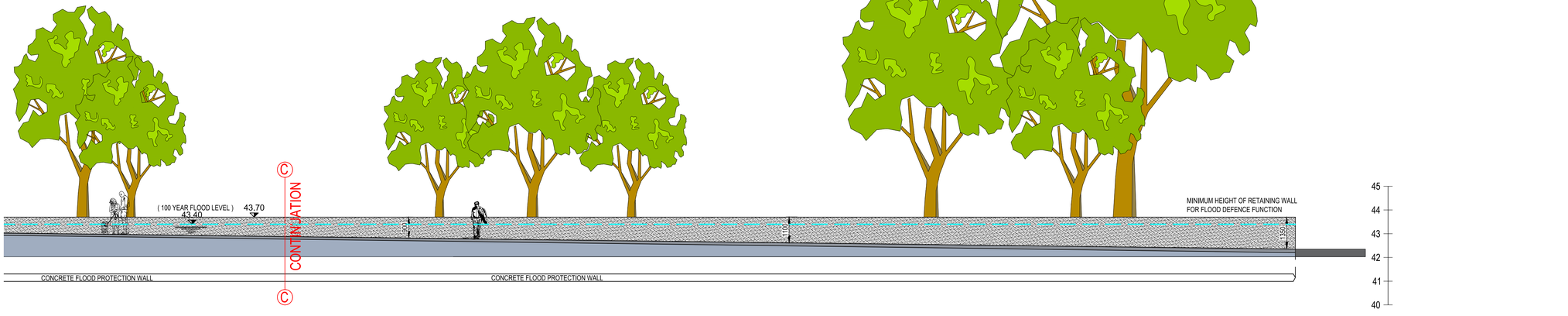

B Proposed Site Section Through Proposed Retaining Wall

1:100




C Proposed Site Section Through Footpath

1:100




C Proposed Site Section Through Proposed (Continued)

1:100

5000mm 0 5000mm

SCALE 1 : 100

## NOTES

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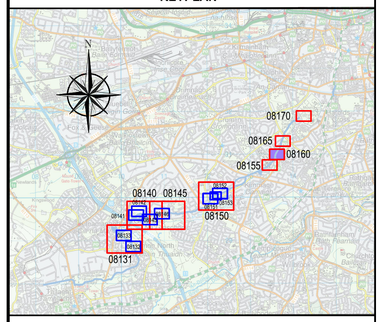
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |
| | | | D | C | A |

| PROJECT No. | STATUS | PURPOSE OF USE |
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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park,
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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

RAVENSDALE PARK LAYOUT
PLAN AND SECTIONS SHEET 2

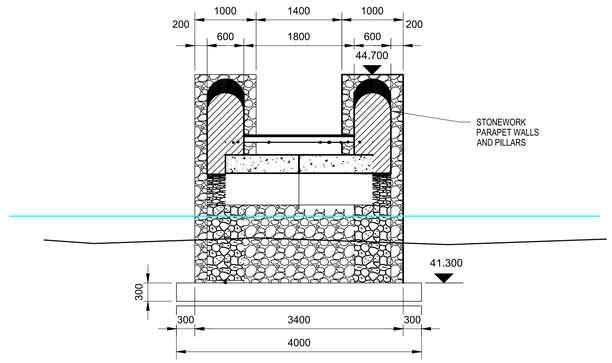
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:100 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 08.08.2019 | DATE 08.08.2019 | DATE 08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08161 | P01 |

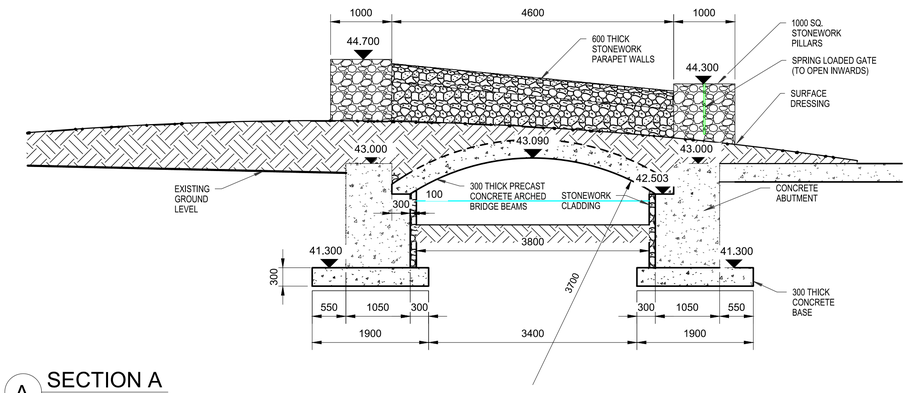



1 Proposed Site Plan
1:200

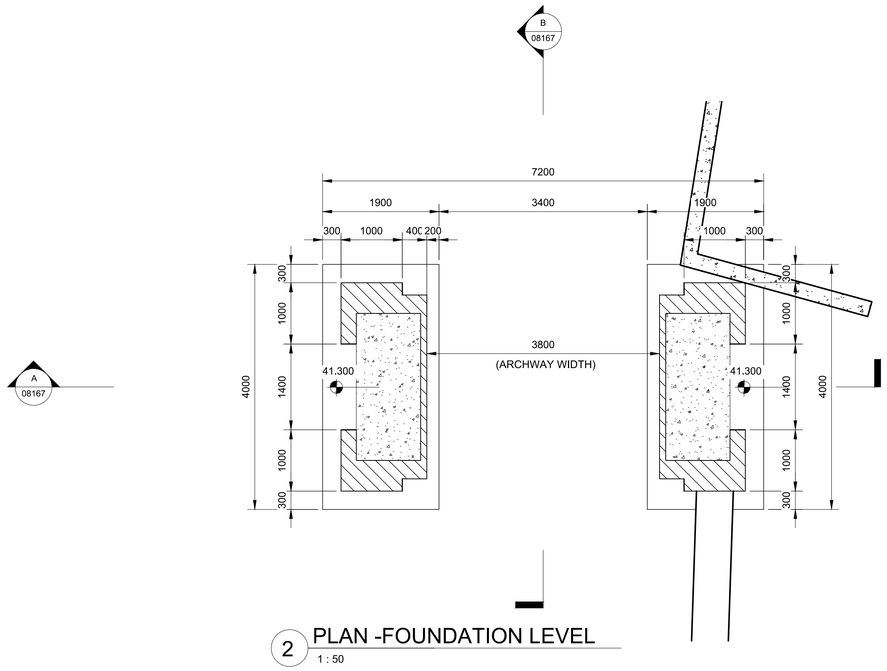
SCALE 1 : 200



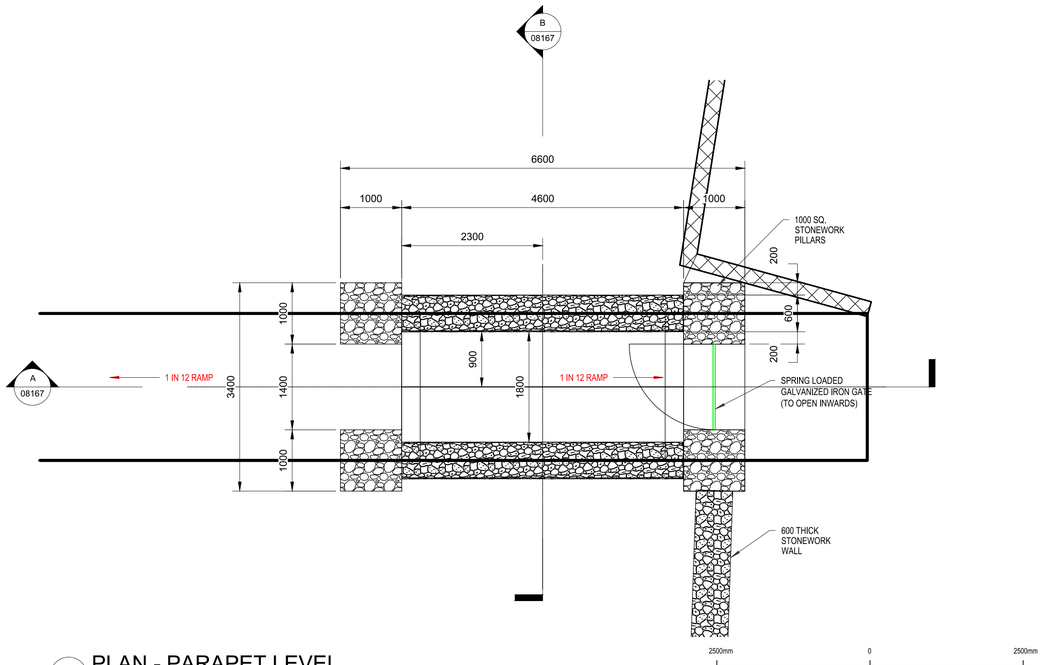

B SECTION B
1 : 50




A SECTION A
1 : 50




2 PLAN -FOUNDATION LEVEL
1 : 50




3 PLAN - PARAPET LEVEL
1 : 50

SCALE 1 : 50

## NOTES

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4. Do not scale from Drawings.
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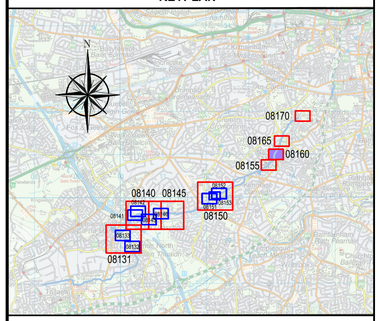
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
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PROJECT

# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

# RAVENSDALE PARK PROPOSED PEDESTRIAN BRIDGE

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:200 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>08.08.2019 | DATE<br>08.08.2019 | DATE<br>08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08162 | P01 |




1 Existing Site Plan
1:250




2 Construction Site Plan
1:250

10m 0 10m
SCALE 1 : 250

## NOTES

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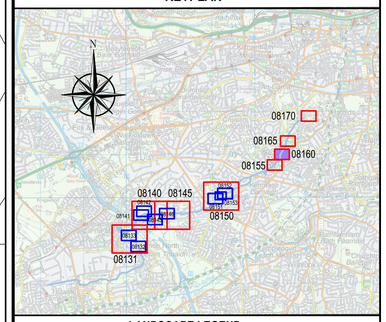
4. Do not scale from Drawings.
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED *T841: Acer platanoides T843: Acer platanoides T850: Tilia cordata T851: Tilia cordata T853: Acer platanoides T855: Acer platanoides* | | EXISTING PATH |
| | | Wall height varies from 200-1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | PROPOSED SPECIMEN TREES *Tilia cordata 'Greenspire' n. 3. 2 m clear stem, 18-20 cm girth, 4-6 m ht.* | Defining a diagonal axis through the park | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | | | EXISTING CONCRETE WALL |
| | RIPARIAN VEGETATION | | EXISTING BRICK WALL |
| | RIVER PODDLE | | **EXISTING CONTOURS** |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
RAVENSDALE PARK
EXISTING & CONSTRUCTION LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 05.12.2019 | DATE 05.12.2019 | DATE 05.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08163 | P01 |




1 Completed Site Plan
1:250

5000mm 0 5000mm
SCALE 1 : 100

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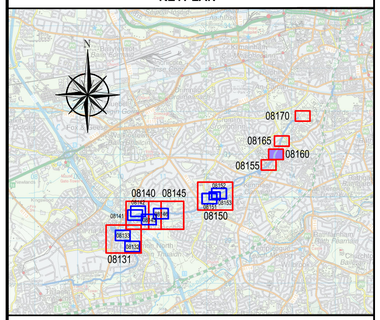
## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED *T841: Acer platanoides T843: Acer platanoides T850: Tilia cordata T851: Tilia cordata T853: Acer platanoides T855: Acer platanoides* | | EXISTING PATH |
| | | *Wall height varies from 200-1500 mm* | NEW CONCRETE FLOOD PROTECTION WALL |
| | PROPOSED SPECIMEN TREES *Tilia cordata 'Greenspire' n. 3. 2 m clear stem, 18-20 cm girth, 4-6 m ht.* | *Defining a diagonal axis through the pave* | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | | | EXISTING CONCRETE WALL |
| | RIPARIAN VEGETATION | | EXISTING BRICK WALL |
| | RIVER PODDLE | | **EXISTING CONTOURS** |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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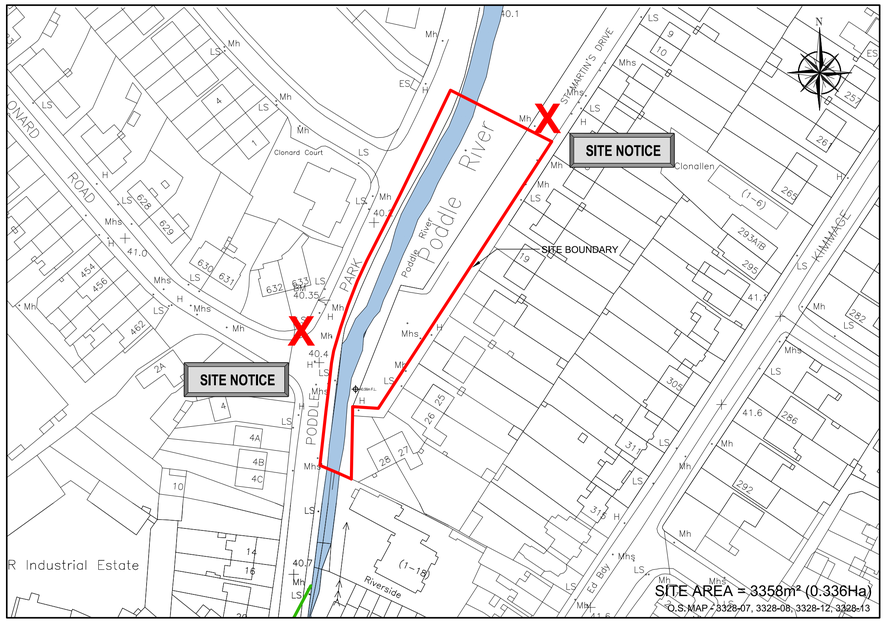
PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
RAVENSDALE PARK
COMPLETED LAYOUT

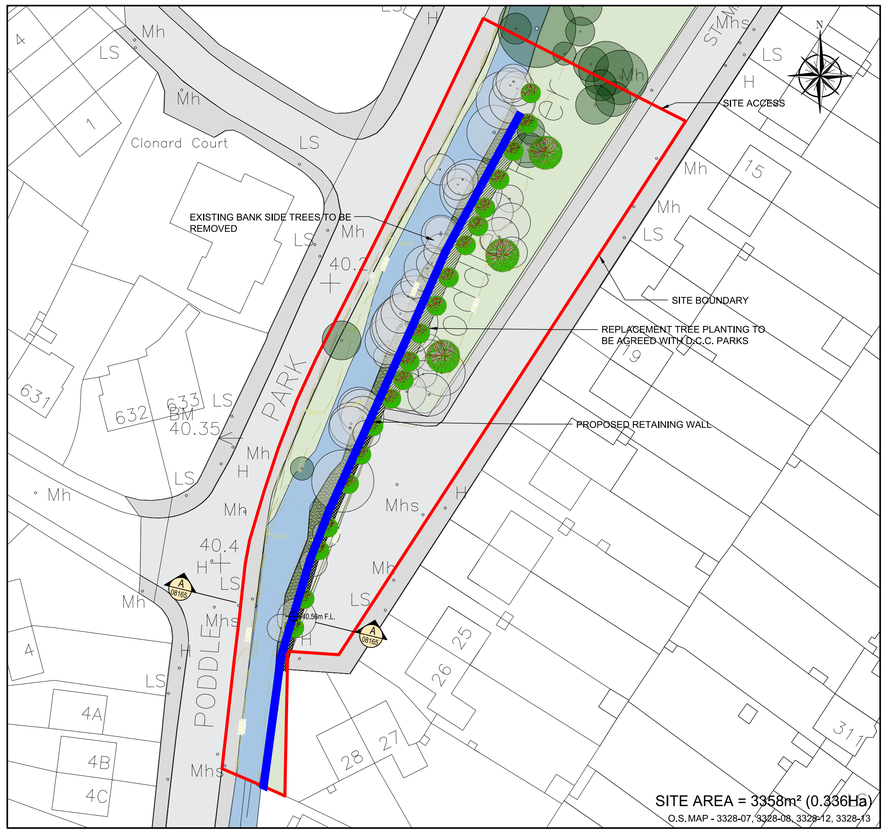
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 05.12.2019 | DATE 05.12.2019 | DATE 05.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08164 | P01 |



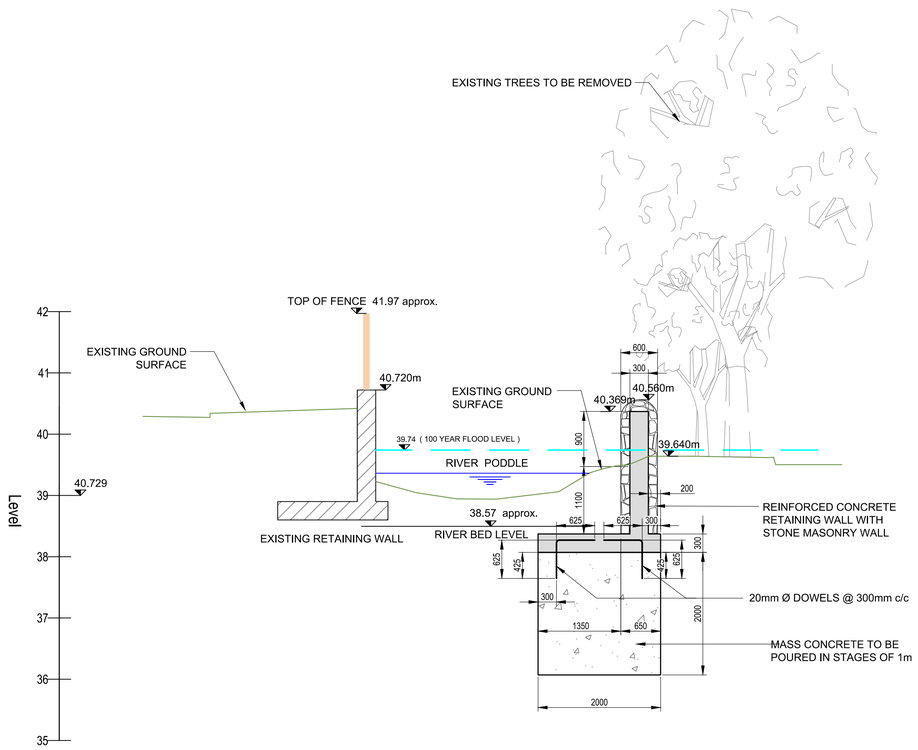

1 Site Location Plan

1:1000



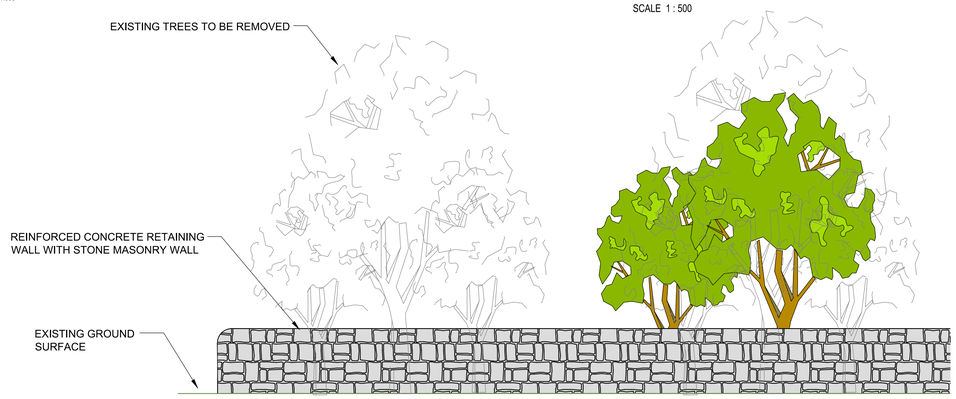

2 Proposed Site Plan

1:500




A Proposed Site Section Through Proposed Retaining Wall

1:50




3 Typical Elevation of Stone Masonary Wall

1:50

## NOTES

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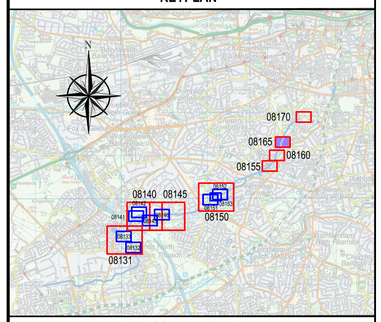
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200 -1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Defining a diagonal axis through the pier | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | M.C. | B.T. | B.D. |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | | | |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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Office of Public Works

PROJECT

# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

# ST. MARTIN'S DRIVE LAYOUT PLAN AND SECTIONS

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1<br>1:500 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>08.08.2019 | DATE<br>08.08.2019 | DATE<br>08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08165 | P01 |




SITE AREA = 3358M² (0.336HA)

O.S.MAP - 3328-12

1 Existing Site Plan

1:250




SITE AREA = 3358M² (0.336HA)

O.S.MAP - 3328-12

2 Construction Site Plan

1:250

10m 0 10m

SCALE 1 : 250

## NOTES

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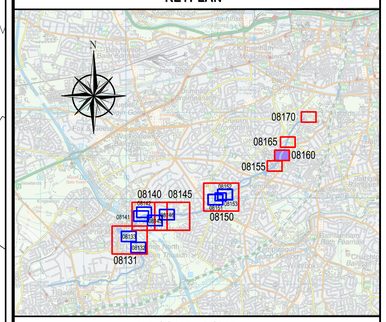
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED *T841: Acer platanoides T843: Acer platanoides T850: Tilia cordata T851: Tilia cordata T852: Tilia cordata T853: Acer platanoides T855: Acer platanoides* | | EXISTING PATH |
| | | Wall height varies from 200-1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | PROPOSED SPECIMEN TREES *Tilia cordata 'Greenspire' n. 3. 2 m clear stem, 18-20 cm girth, 4-6 m ht.* | Defining a diagonal axis through the pave | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | | | EXISTING CONCRETE WALL |
| | RIPARIAN VEGETATION | | EXISTING BRICK WALL |
| | RIVER PODDLE | | **EXISTING CONTOURS** |
| | | | |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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Unit E4, Nutgrove Office Park,
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PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

ST. MARTINS DRIVE
EXISTING &
CONSTRUCTION LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 05.12.2019 | DATE 05.12.2019 | DATE 05.12.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08166 | P01 |




1 Completed Site Plan
1:250

## NOTES

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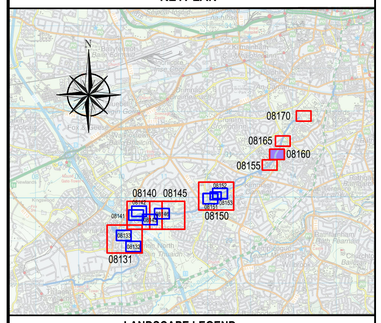
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | SITE BOUNDARY |
| | EXISTING FOOTPATH |
| | PROPOSED FOOTPATH |
| | CONSTRUCTION ACCESS |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED *T841: Acer platanoides T843: Acer platanoides T850: Tilia cordata T851: Tilia cordata T852: Tilia cordata T853: Acer platanoides T855: Acer platanoides* | | EXISTING PATH |
| | | Wall height varies: from 200-1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | PROPOSED SPECIMEN TREES *Tilia cordata 'Greenspire' n. 3. 2 m clear stem, 18-20 cm girth, 4-6 m ht.* | Defining a diagonal axis through the path | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | | | EXISTING CONCRETE WALL |
| | RIPARIAN VEGETATION | | EXISTING BRICK WALL |
| | RIVER PODDLE | | **EXISTING CONTOURS** |
| | | | |

| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | A1 | PLANNING |

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Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
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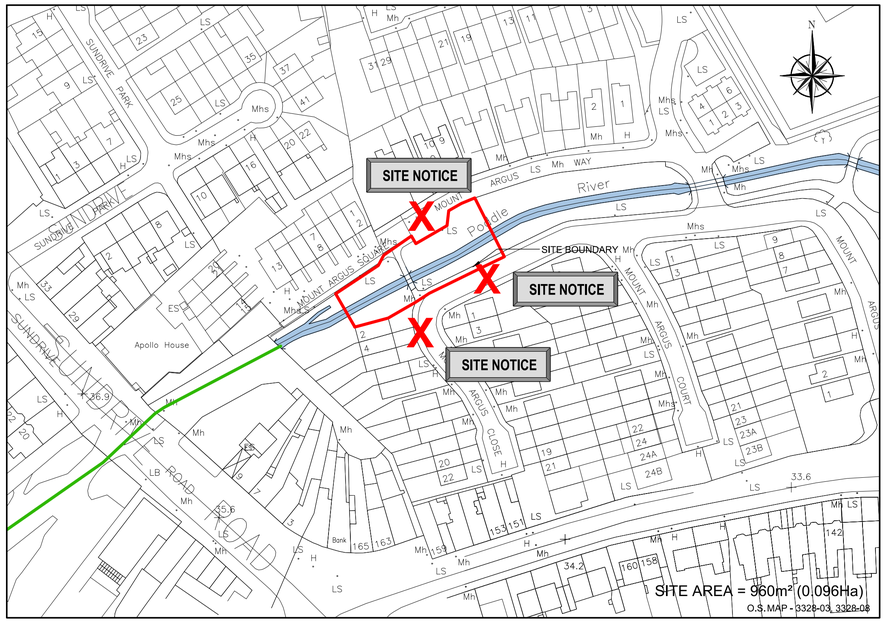
OPW Oifig na nOibreacha Poiblí Office of Public Works

PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE
ST. MARTINS DRIVE
COMPLETED LAYOUT

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:250 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 05.12.2019 | DATE 05.12.2019 | DATE 05.12.2019 |

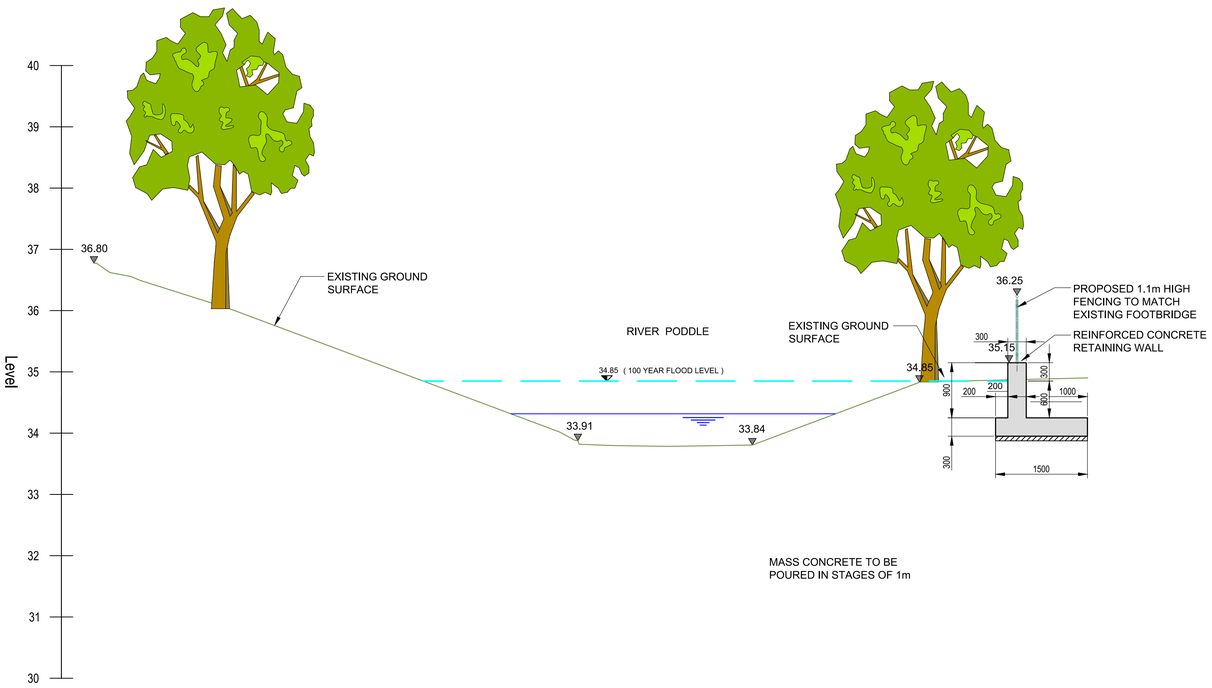
| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08167 | P01 |



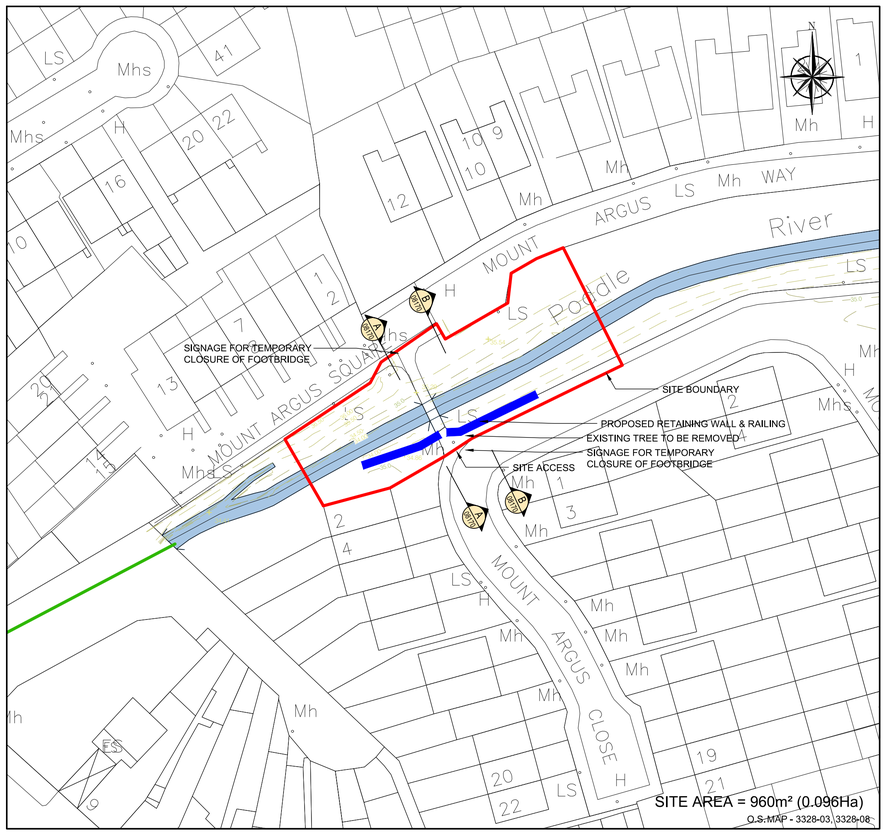

1 Site Location Plan
1:1000

50m 0 50m

SCALE 1 : 1,000



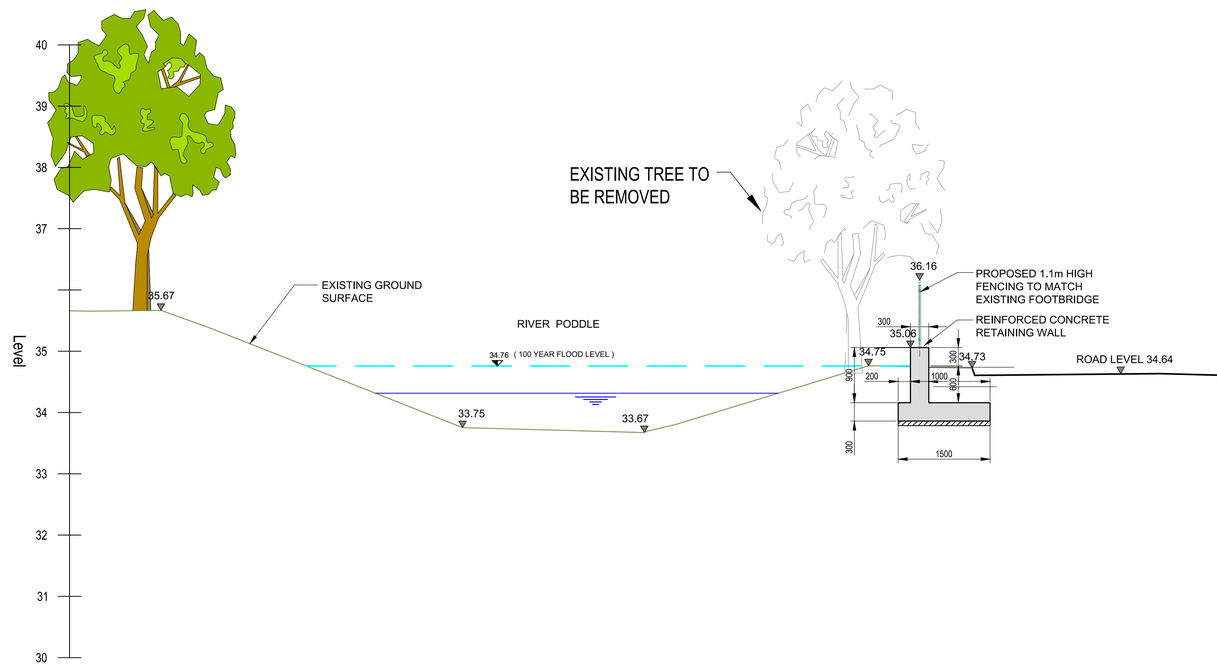

A Proposed Site Section Through Proposed Retaining Wall
1:50




2 Proposed Site Plan
1:500

25m 0 25m

SCALE 1 : 500




B Proposed Site Section Through Proposed Retaining Wall
1:50

2500mm 0 2500mm

SCALE 1 : 50

## NOTES

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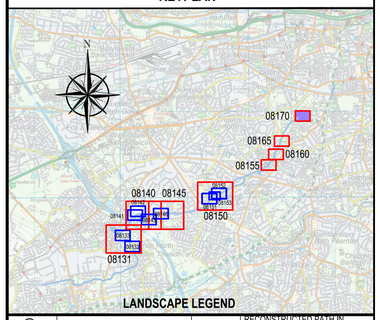
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | SITE BOUNDARY |
| | PROPOSED EMBANKMENT |
| | PROPOSED FOOTPATH |
| | PROPOSED RETAINING WALL |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |

## KEYPLAN




## LANDSCAPE LEGEND

| | | | |
|---|---|---|---|
| | EXISTING TREES TO BE RETAINED | | RECONSTRUCTED PATH IN GROUND CONCRETE FINISH |
| | EXISTING TREES TO BE REMOVED | | EXISTING PATH |
| | PROPOSED TREES | Wall height varies from 200 -1500 mm | NEW CONCRETE FLOOD PROTECTION WALL |
| | RIPARIAN VEGETATION | Defining a diagonal axis through the point | FLOOD WALL RECONFIGURED (SEAT WALL) |
| | RIVER PODDLE | | EXISTING CONCRETE WALL |
| | **EXISTING CONTOURS** | | EXISTING BRICK WALL |

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
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PROJECT

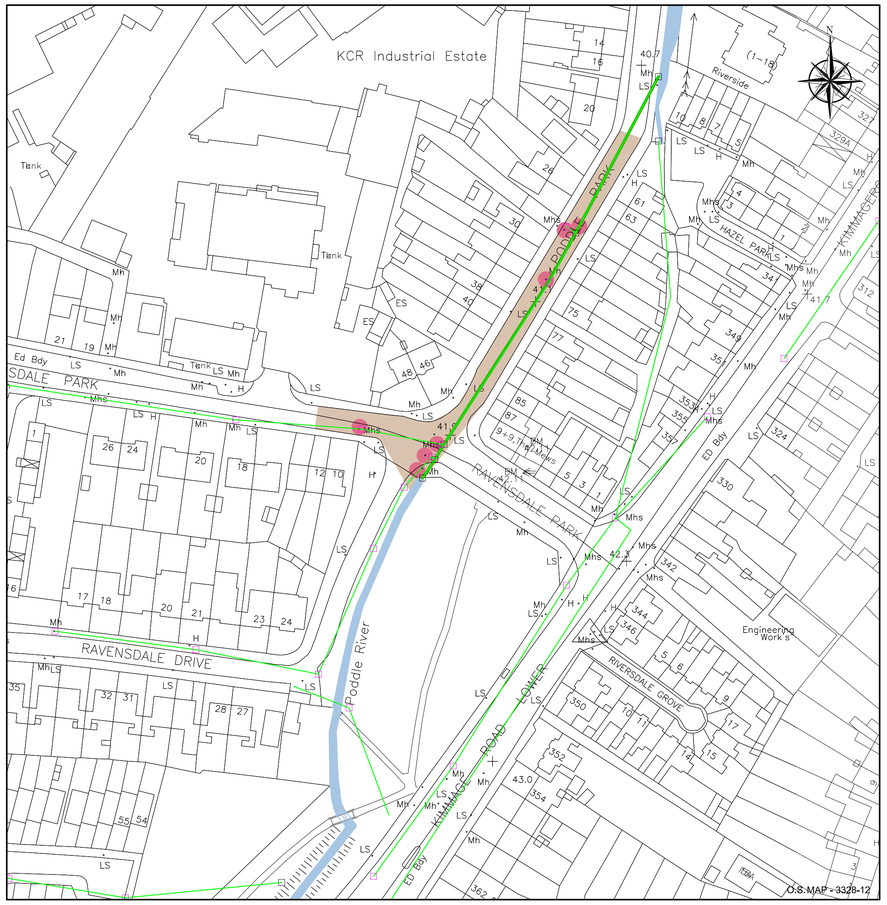
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

MOUNT ARGUS CLOSE LAYOUT PLAN AND SECTIONS

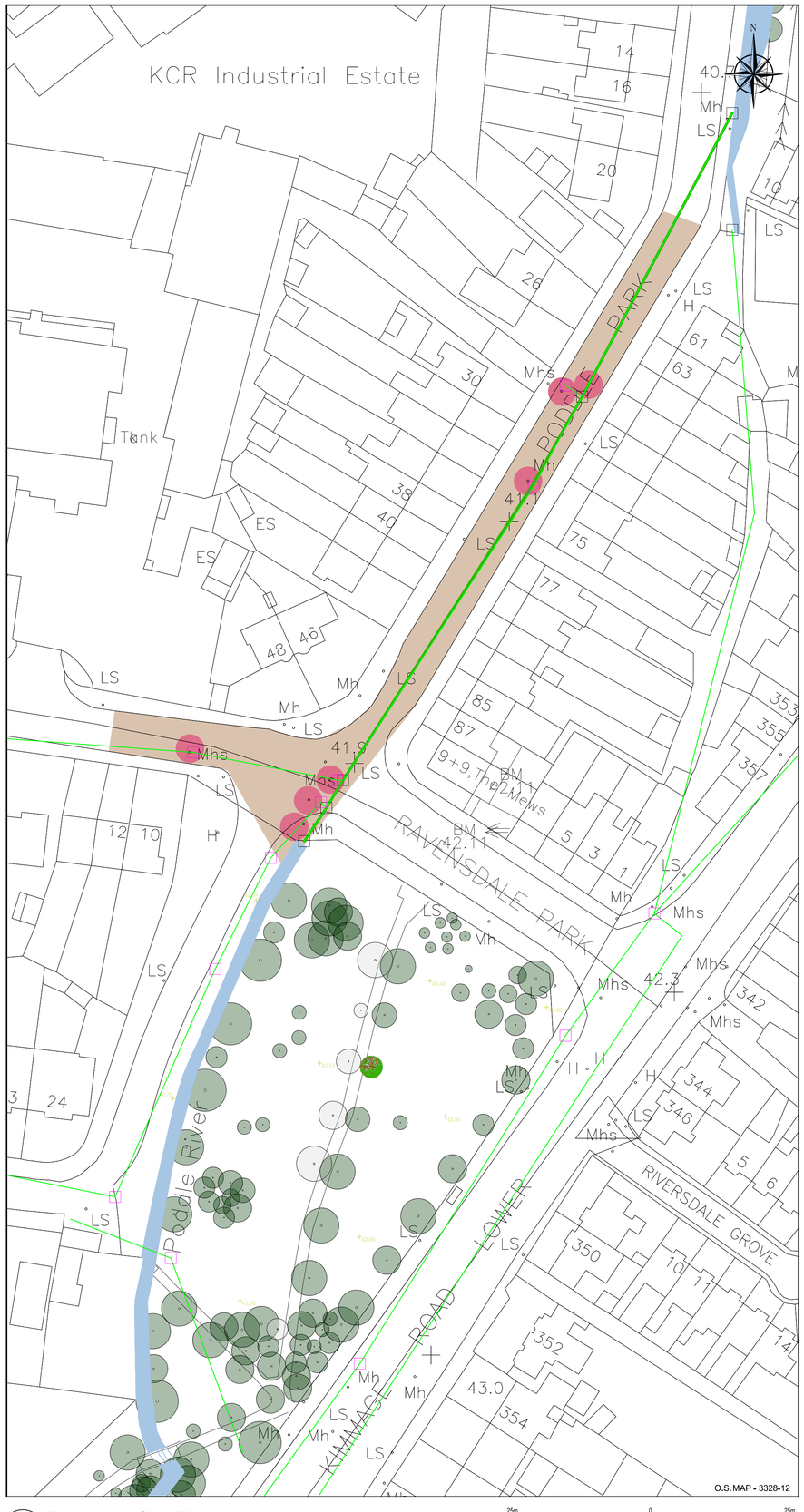
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1<br>1:500 @ A1<br>1:50 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE<br>08.08.2019 | DATE<br>08.08.2019 | DATE<br>08.08.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08170 | P01 |




1 Site Location Plan
1:1000

50m 0 50m
SCALE 1 : 1,000




2 Proposed Site Plan
1:500

25m 0 25m
SCALE 1 : 500

## NOTES

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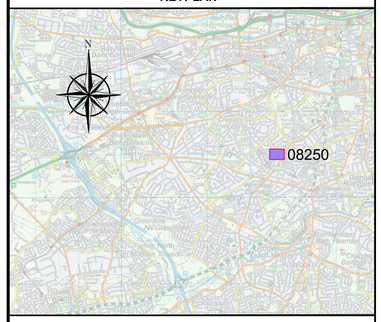
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |
| | AREA OF PROPOSED WORKS |

## KEYPLAN




| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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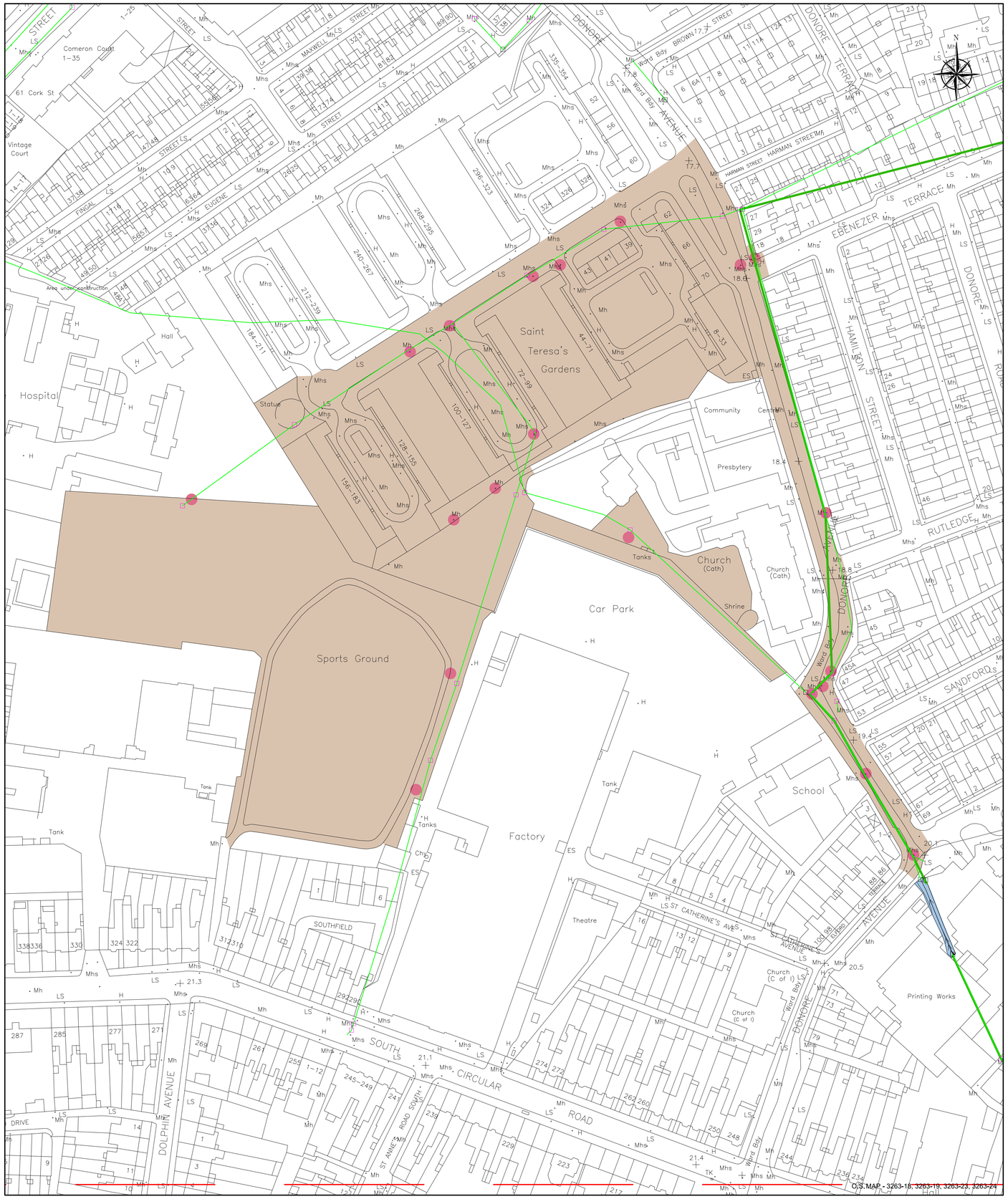
PROJECT
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

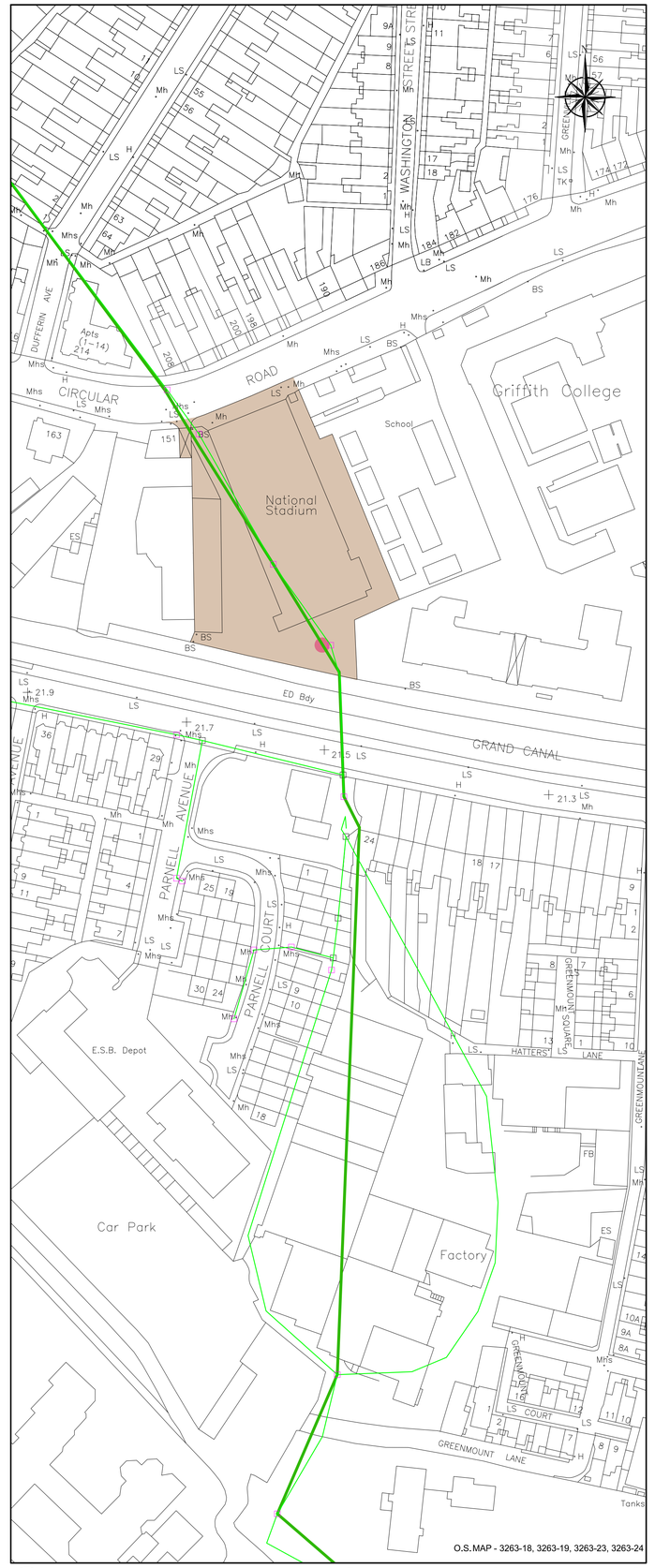
TITLE
SEALED MANHOLES
RAVENSDALE PARK
& PODDLE PARK

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1<br>1:500 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 20.11.2019 | DATE 20.11.2019 | DATE 20.11.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08250 | P01 |




1 Site Plan
1:1000




2 Site Plan
1:1000

## NOTES

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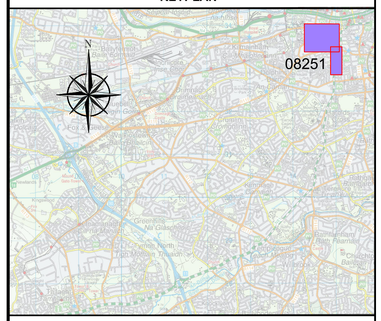
5. Proposed works geometry and extents are subject to Detail Design.
6. This drawing should be read in conjunction with other River Poddle Alleviation Scheme Planning Drawings.

## LEGEND

| | |
|---|---|
| | PODDLE RIVER |
| | RIVERS - OS MAP |
| | EXISTING SURFACE WATER |
| | EXISTING CULVERT |
| | PROPOSED SEALED MANHOLE |
| | AREA OF PROPOSED WORKS |

## KEYPLAN




| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | S0 | WORK IN PROGRESS |

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PROJECT

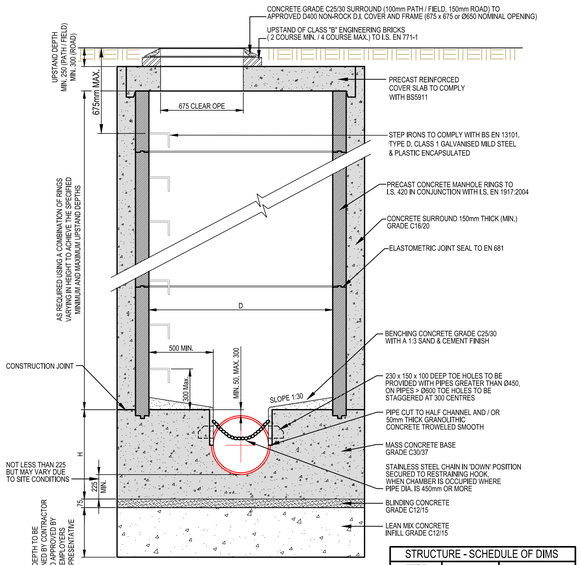
# RIVER PODDLE FLOOD ALLEVIATION SCHEME

TITLE

# SEALED MANHOLES SAINT THERESA'S GARDENS

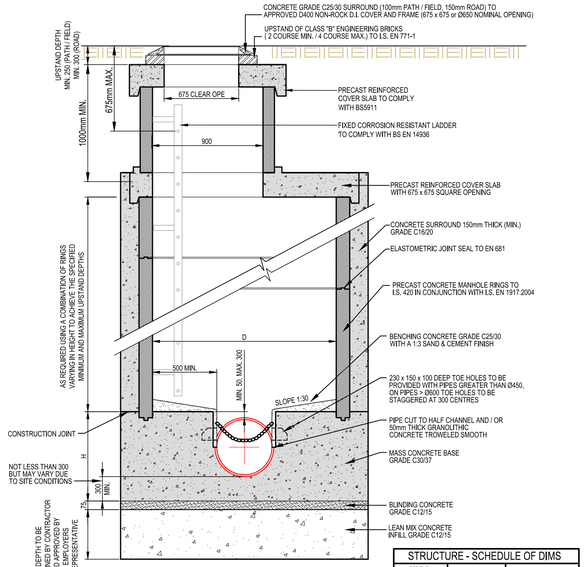
| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| 1:1000 @ A1 | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 20.11.2019 | DATE 20.11.2019 | DATE 20.11.2019 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08251 | P01 |



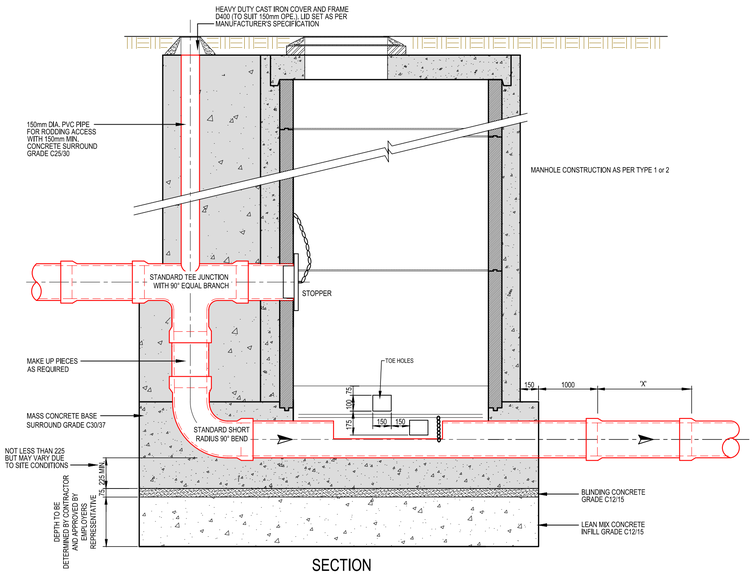

SECTION

| STRUCTURE - SCHEDULE of DIMS | | |
|---|---|---|
| PIPE Ø | D | H |
| UP TO 350 | 1200 | LARGER Ø + 350 |
| 375-675 | 1500 | LARGER Ø + 375 |
| 700-900 | 1800 | LARGER Ø + 400 |
| > 900 | 2100 | LARGER Ø + 450 |




SECTION

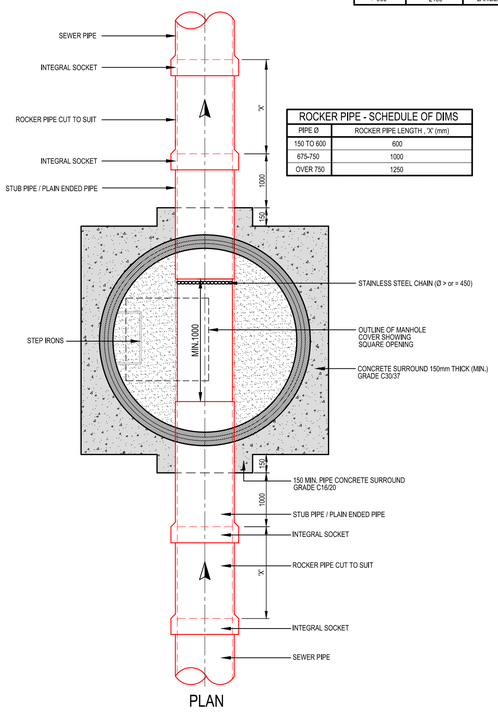
| STRUCTURE - SCHEDULE of DIMS | | |
|---|---|---|
| PIPE Ø | D | H |
| UP TO 350 | 1800 | LARGER Ø + 350 |
| 375-675 | 1800 | LARGER Ø + 375 |
| 700-900 | 1800 | LARGER Ø + 400 |
| > 900 | 2100 | LARGER Ø + 450 |




SECTION

## TYPICAL BACKDROP MANHOLE DETAIL

N.T.S.

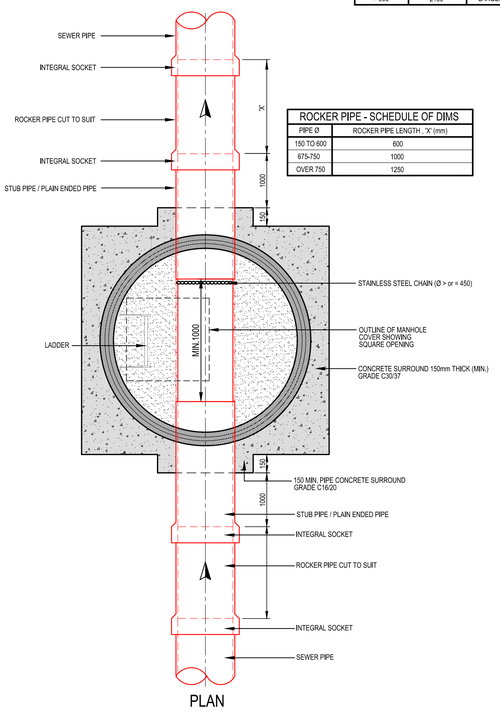



| ROCKER PIPE - SCHEDULE of DIMS | |
|---|---|
| PIPE Ø | ROCKER PIPE LENGTH , 'X' (mm) |
| 150 TO 600 | 600 |
| 675-750 | 1000 |
| OVER 750 | 1250 |

PLAN

## MANHOLE TYPE 1 (DEPTHS TO 2.5m)

NOT TO SCALE

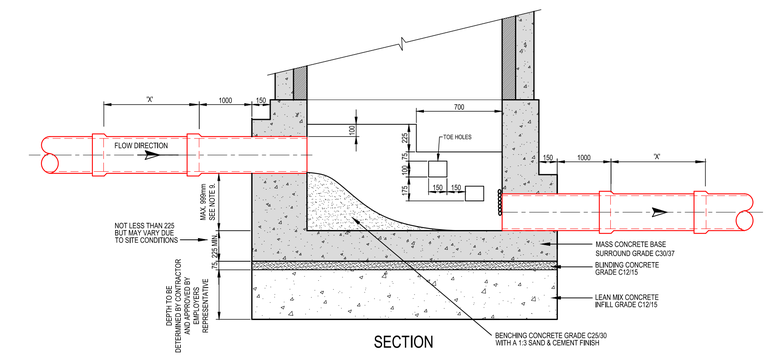



| ROCKER PIPE - SCHEDULE of DIMS | |
|---|---|
| PIPE Ø | ROCKER PIPE LENGTH , 'X' (mm) |
| 150 TO 600 | 600 |
| 675-750 | 1000 |
| OVER 750 | 1250 |

PLAN

## MANHOLE TYPE 2 (DEPTHS 2.5m to 6m)

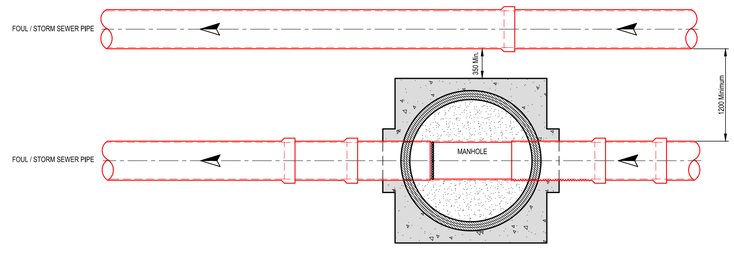
NOT TO SCALE




SECTION

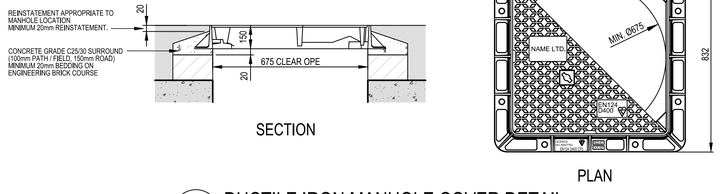
## TYPICAL MANHOLE RAMP DETAIL

N.T.S.




## GRAVITY SEWERS RUNNING PARALLEL / ADJACENT TO EACH OTHER @ MANHOLES DETAIL

NOT TO SCALE




SECTION

PLAN

## DUCTILE IRON MANHOLE COVER DETAIL

N.T.S.

## NOTES

1.) ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.

2.) PRECAST CHAMBER RINGS WILL BE CONCRETE GRADE C35/45 IN SALINE / TIDAL GROUND CONDITIONS ( *p* < 20 ohm.m )

3.) FOR BEDDING AND SEALING OF CHAMBER RINGS - THE TOP RING (TO P.C. COVER SLAB) AND BOTTOM RING TO BE BEDDED WITH CEMENT MORTAR, FOR INTERMEDIATE RINGS, JOINTS TO BE SEALED WITH EITHER APPROVED PREFORMED JOINTING STRIP OR BY LIBERALLY COATING THE FACES OF THE JOINTS WITH APPROVED BITUMINOUS MATERIAL PRIOR TO BEING POSITIONED : SURPLUS MATERIAL TO BE NEATLY STRUCK OFF.

4.) ENTRY AND EXIT PIPES TO BE BUILT IN MONOLITHICALLY WITH THE MANHOLE AND THE MANHOLE MADE WATERTIGHT.

5.) BRANCH BENDS TO BE CURVED IN THE DIRECTION OF FLOW.

6.) PROVIDE RECESSED TOE HOLES IN CHANNELS OVER 450mm IN DEPTH.

7.) FOR 450mm DIA. EXIT PIPES AND OVER, A SAFETY CHAIN IS TO BE PROVIDED.

8.) CONTRACTOR TO DETERMINE AGGREGATE SIZE ON SITE.

9.) USE BACKDROP MANHOLE IF DROP IF GREATER THAN 999mm

10.) MANHOLE COVER AND FRAME TO BE SET AS PER MANUFACTURER'S SPECIFICATION.

11.) PRECAST REINFORCED COVER SLAB CLEAR OPENING SHALL MATCH CLEAR OPENING OF COVER (MINIMUM 675mm x 675mm OR Ø 675mm)

12.) SEALABLE MANHOLES SHALL BE Ø800mm WITH 750mm SQUARE OPES.

13.) WHERE SQUARE MANHOLES ARE TO BE USED D IS TAKEN AS INTERNAL WIDTH

| REV | DATE | DESCRIPTION | D | C | A |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
|---|---|---|
| 20662 | S0 | WORK IN PROGRESS |

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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

CLIENT

Comhairle Contae Átha Cliath Theas
South Dublin County Council

Dublin City Council
Comhairle Cathrach Bhaile Átha Cliath

OPW Oifig na nOibreacha Poiblí Office of Public Works

PROJECT

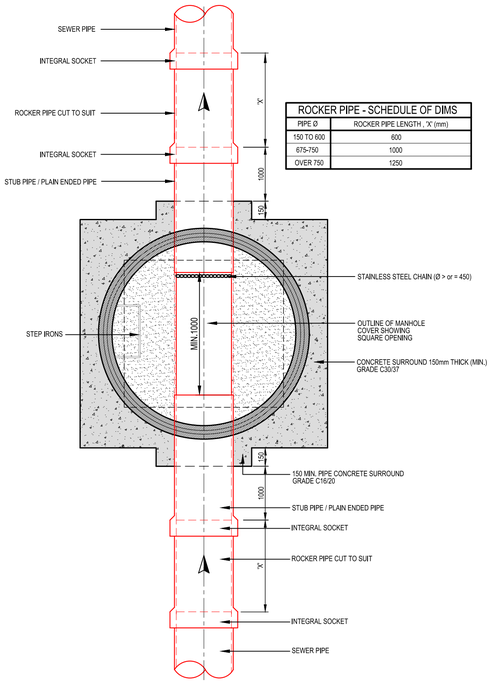
RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

SAINT THERESA'S GARDENS
SEALED MANHOLES
TYPICAL DETAILS

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| N.T.S. | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 07.11.19 | DATE 07.11.19 | DATE 07.11.19 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08252 | P01 |




| ROCKER PIPE - SCHEDULE OF DIMS | |
|---|---|
| PIPE Ø | ROCKER PIPE LENGTH , 'X' (mm) |
| 150 TO 600 | 600 |
| 675-750 | 1000 |
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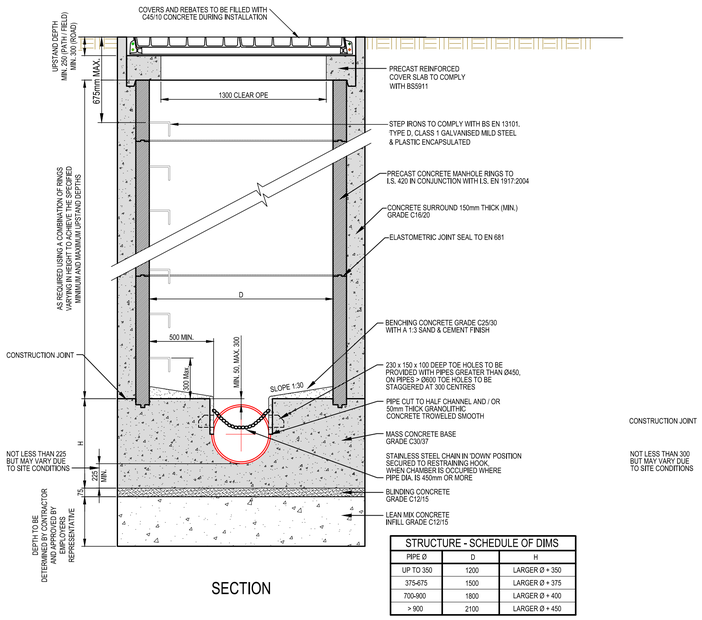
PLAN

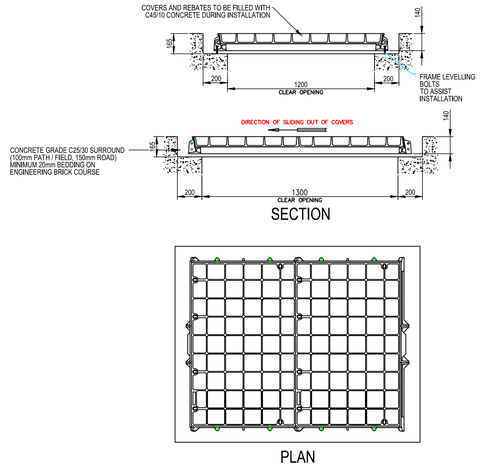
## MANHOLE TYPE 1 (DEPTHS TO 2.5m)

NOT TO SCALE




| STRUCTURE - SCHEDULE OF DIMS | | |
|---|---|---|
| PIPE Ø | D | H |
| UP TO 350 | 1200 | LARGER Ø + 350 |
| 375-675 | 1500 | LARGER Ø + 375 |
| 700-900 | 1800 | LARGER Ø + 400 |
| > 900 | 2100 | LARGER Ø + 450 |

SECTION




SECTION



PLAN

## DUCTILE IRON MANHOLE COVER DETAIL

N.T.S.

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| REV | DATE | DESCRIPTION | | | |
|---|---|---|---|---|---|
| P01 | FEB 2020 | ISSUED FOR PLANNING | M.C. | B.T. | B.D. |

| PROJECT No. | STATUS | PURPOSE OF USE |
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NICHOLAS O'DWYER
Unit E4, Nutgrove Office Park, Nutgrove Avenue, Dublin 14
T +353 1 296 9000
F +353 1 296 9001
E dublin@nodwyer.com
W www.nodwyer.com

CLIENT

Comhairle Contae Átha Cliath Theas
South Dublin County Council

Dublin City Council
Comhairle Cathrach Bhaile Átha Cliath

OPW
Oifig na nOibreacha Poiblí
Office of Public Works

PROJECT

RIVER PODDLE
FLOOD ALLEVIATION SCHEME

TITLE

NATIONAL STADIUM
SEALED DOUBLE MANHOLE
TYPICAL DETAILS

| SCALES | DRAWN | CHECKED | APPROVED |
|---|---|---|---|
| N.T.S. | M. Cheevers | B. Twomey | B. Dunphy |
| | DATE 07.11.19 | DATE 07.11.19 | DATE 07.11.19 |

| DRAWING No. | REVISION |
|---|---|
| RPFS-NOD-01-XX-DR-C-08253 | P01 |