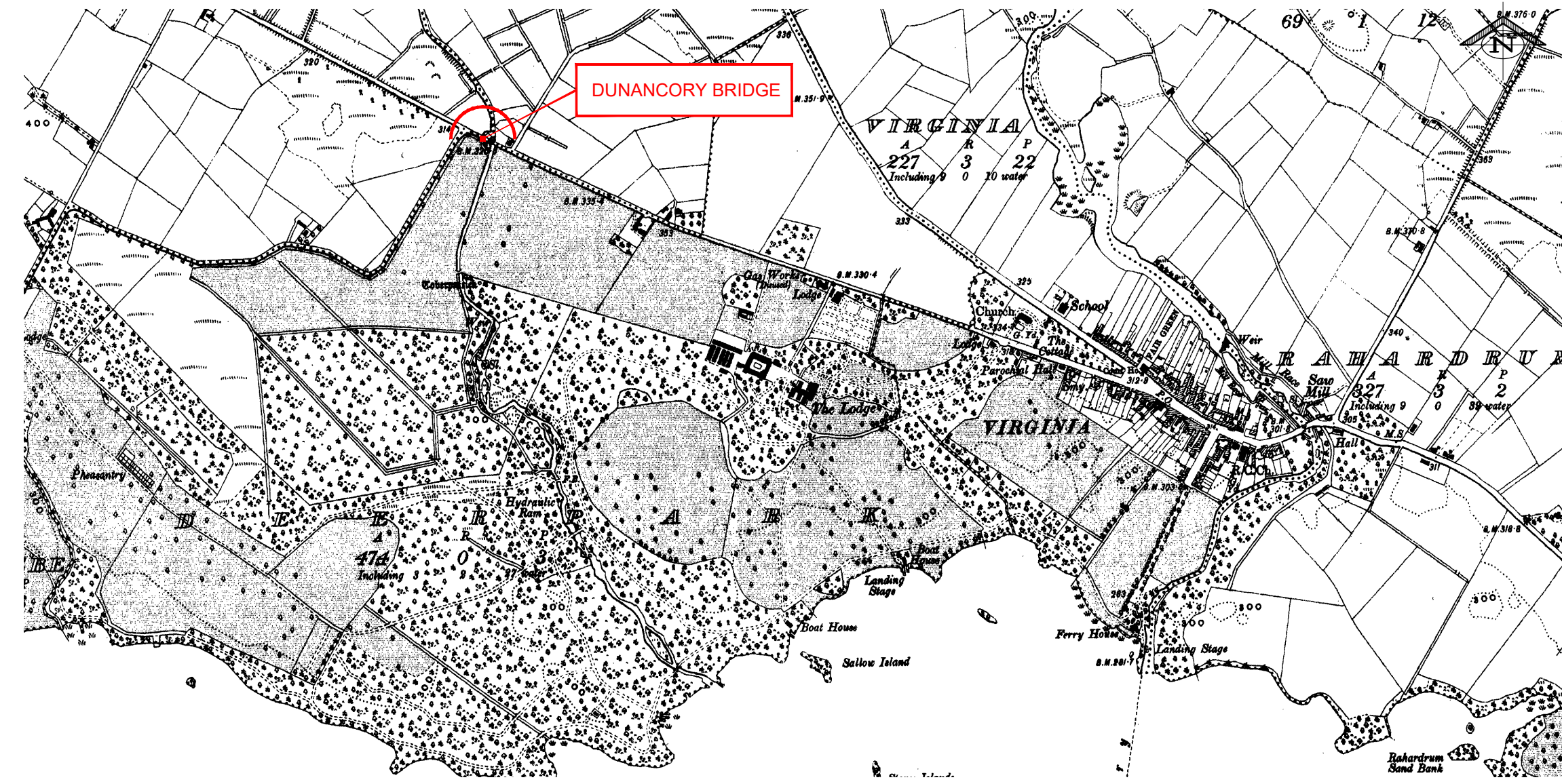


SITE LOCATION MAP
Scale 1:2500

REPRODUCED FROM THE ORDNANCE SURVEY
BY PERMISSION OF THE GOVERNMENT.
LICENCE No. EN 0015719.
OS MAPS: No.2428_D & 2628_D.



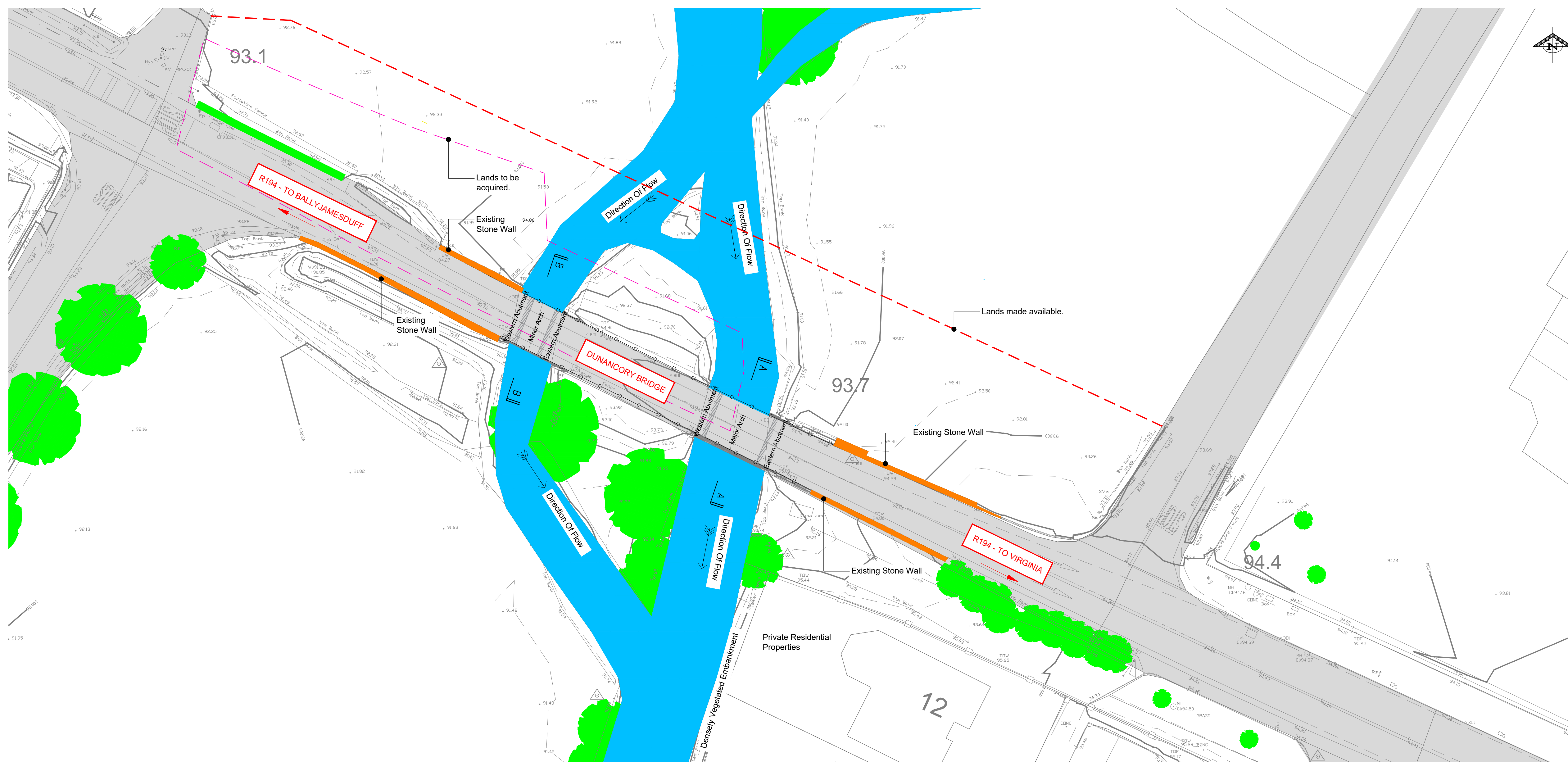
SITE LOCATION MAP
Scale 1:10560

REPRODUCED FROM THE ORDNANCE SURVEY
BY PERMISSION OF THE GOVERNMENT.
LICENCE No. EN 0015719.
OS MAPS: 6"mapping

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NOTES :

LEGEND :



EXISTING LAYOUT PLAN
Scale: 1:250

REPRODUCED FROM THE ORDNANCE SURVEY
BY PERMISSION OF THE GOVERNMENT.
LICENCE No. EN 0015720.
OS MAPS: 1:2,500 2059-B

REFERENCE DRAWINGS No:
DBW01-MWP-ZZ-00-DR-C-0111
DBW01-MWP-ZZ-00-DR-C-0112
DBW01-MWP-ZZ-00-DR-C-0113
DBW01-MWP-ZZ-00-DR-C-0114
DBW01-MWP-ZZ-00-DR-C-0115

REV	DATE	ISSUED FOR COMMENT	DESCRIPTION	JRC	POD
P01	22.01.20	ISSUED FOR COMMENT			

DUNANCORY BRIDGE WIDENING

**EXISTING BRIDGE
MAPS AND LAYOUT PLAN**

CAVAN COUNTY COUNCIL

Malachy Walsh and Partners
Engineering and Environmental Consultants
Cork | Tralee | London | Limerick

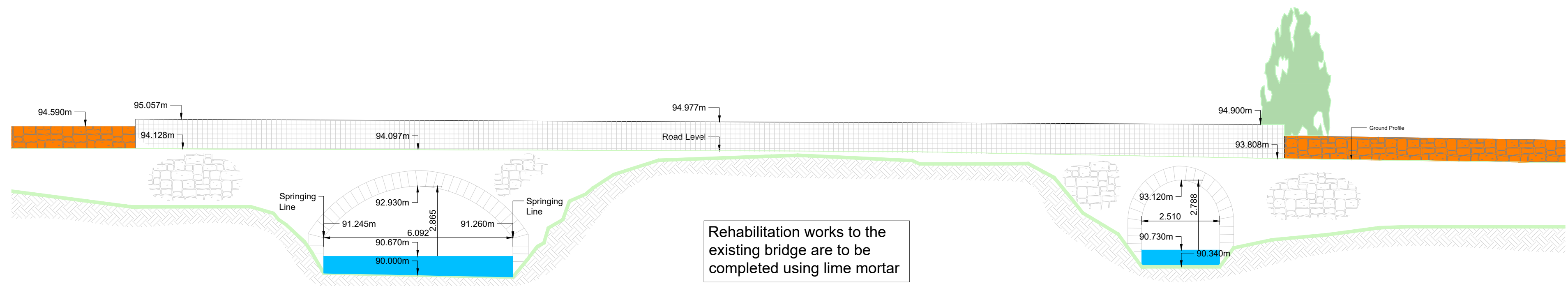
Park House
Mahon Technology Park
Bessboro Road
Blackrock
Cork
T12 X251
Tel: +353 (0)21 4536400
E-mail: cork@mwpa.ie

DRAWN: JRC	CHECKED: CH	APPROVED: POD
DATE: JAN 2020	SCALE @ A1: AS SHOWN	
PROJECT NUMBER: 20013	DRAWING STATUS: S3	
DRAWING NUMBER: DBW01-MWP-ZZ-00-DR-C-0111	REV: P01	

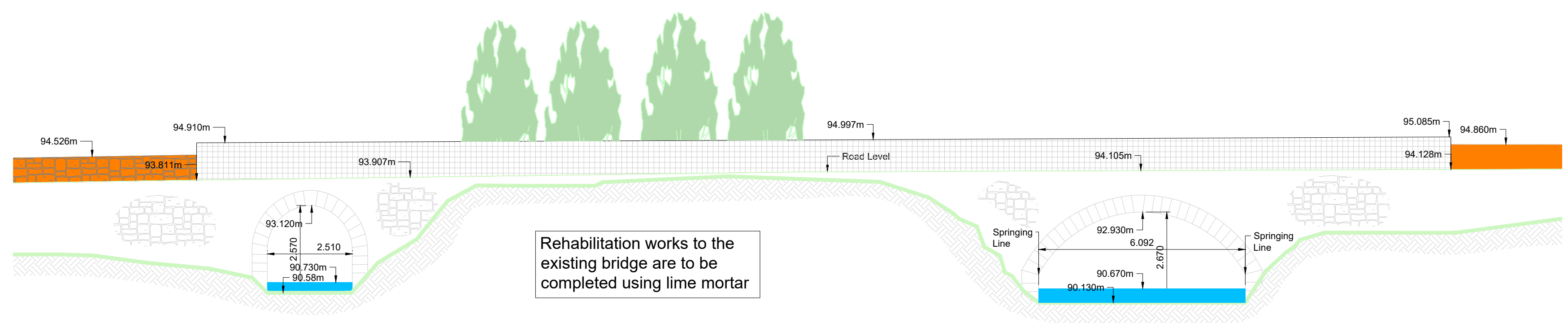
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NOTES :

LEGEND :



Upstream Elevation
 Scale: 1:100



Downstream Elevation
 Scale: 1:100

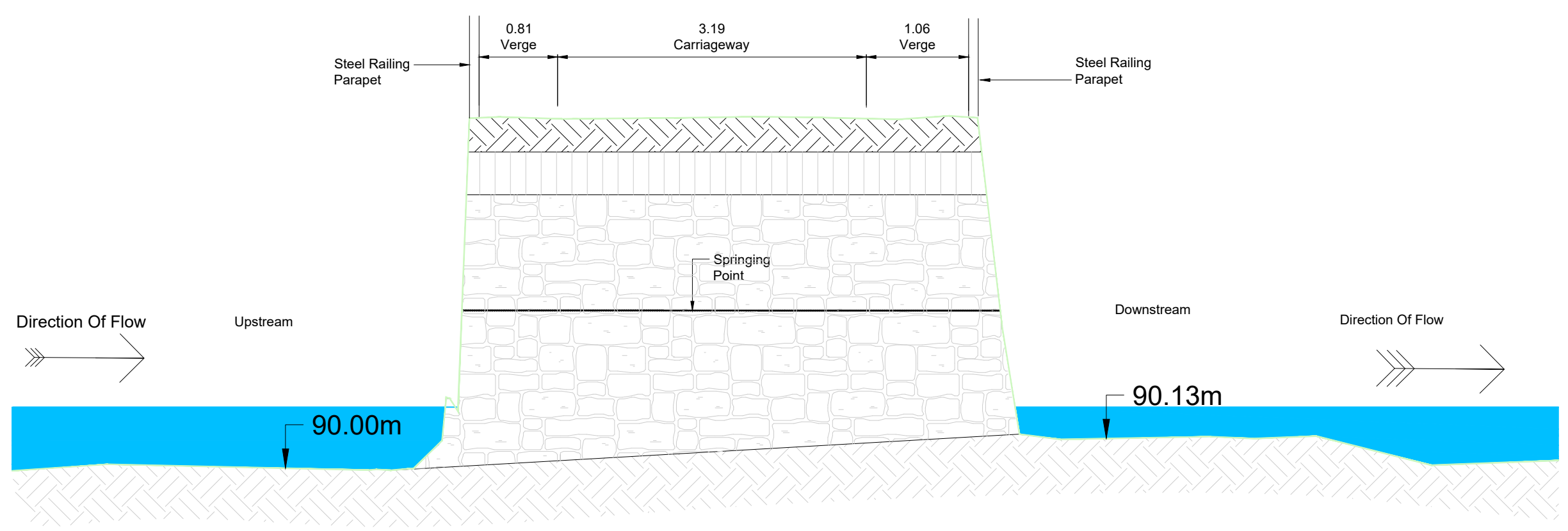
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PO1	22.01.20	ISSUED FOR COMMENT	JRC	POD
REV	DATE	DESCRIPTION	BY	APP

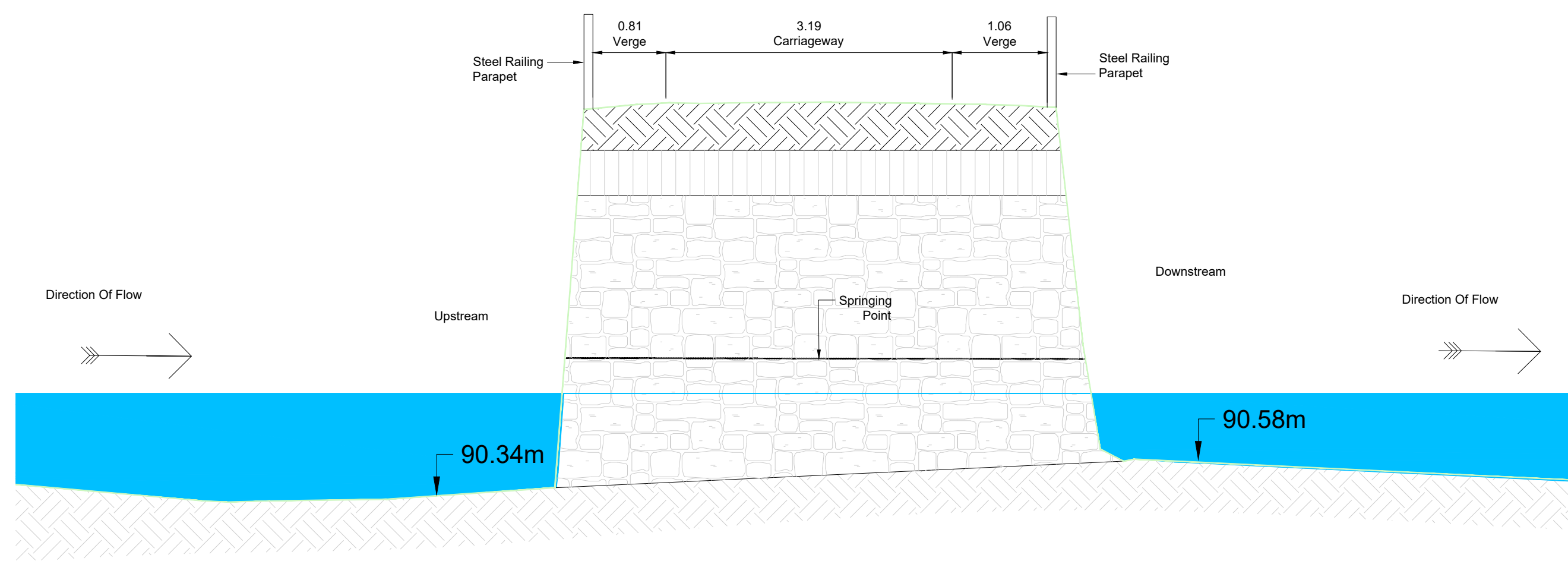
DUNANCORY BRIDGE WIDENING

EXISTING BRIDGE ELEVATIONS AND SECTIONS

CLIENT: CAVAN COUNTY COUNCIL



Section A-A
 For Section Markers Refer to: DBW01-MWP-ZZ-00-DR-C-5101
 Scale: 1:100



Section B-B
 For Section Markers Refer to: DBW01-MWP-ZZ-00-DR-C-5101
 Scale: 1:100

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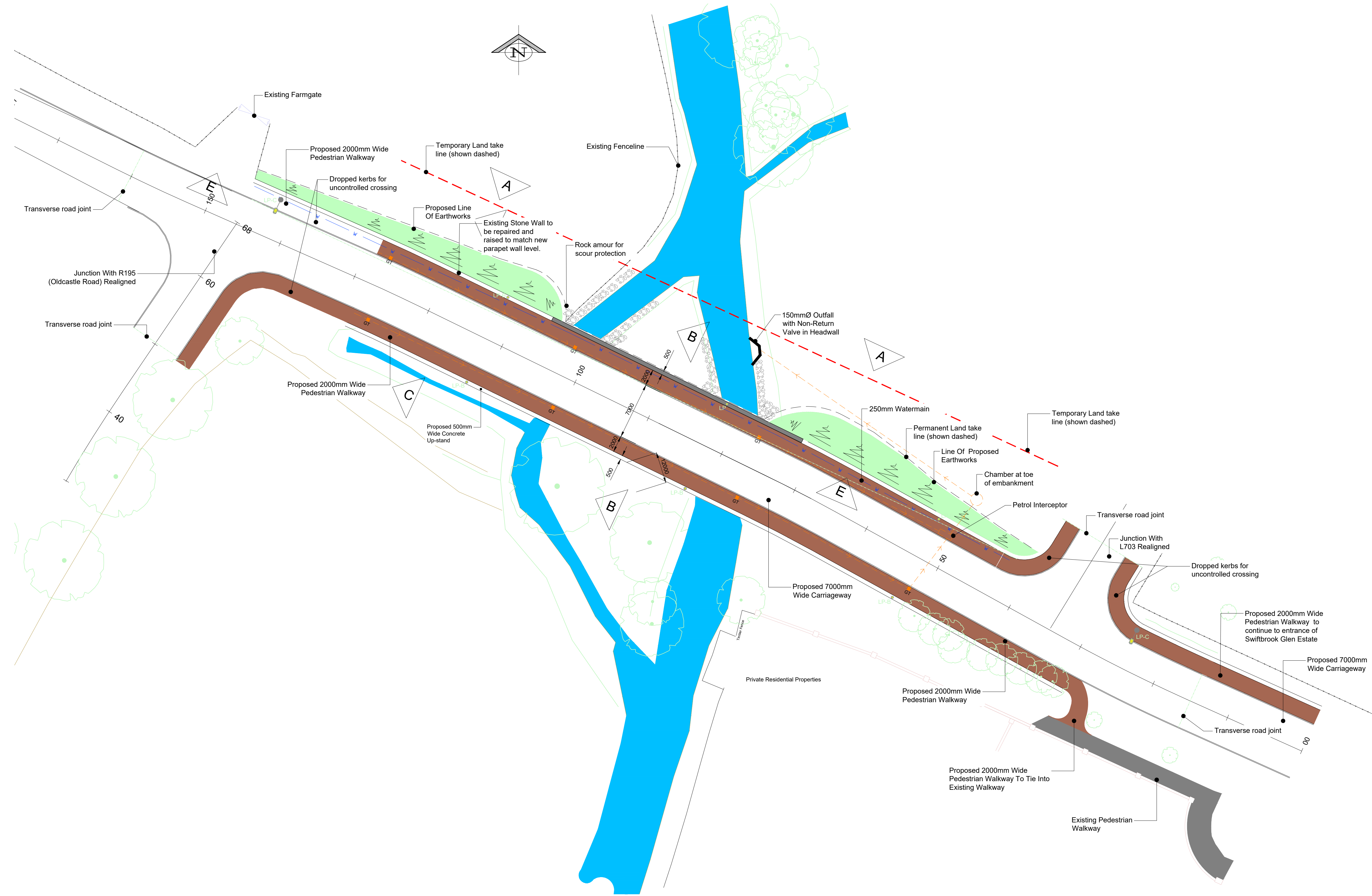
Park House
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 T12 X251
 Tel: +353 (0)21 4536400
 E-mail: cork@mwpl.ie

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DRAWING NUMBER: DBW01-MWP-ZZ-00-DR-C-0112	REV: P01	

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NOTES :
 1. NEW ROAD MARKING OMITTED FOR CLARITY

LEGEND :



Site Layout Plan
 For Section Refer to: DBW01-MWP-ZZ-00-DR-C-5104 Scale: 1:250

REFERENCE DRAWINGS No:
 DBW01-MWP-ZZ-00-DR-C-0111
 DBW01-MWP-ZZ-00-DR-C-0112
 DBW01-MWP-ZZ-00-DR-C-0113
 DBW01-MWP-ZZ-00-DR-C-0114
 DBW01-MWP-ZZ-00-DR-C-0115

REV	DATE	DESCRIPTION	JRC	POD
P01	22.01.20	ISSUED FOR COMMENT		

PROJECT: DUNANCORY BRIDGE WIDENING

TITLE: PROPOSED BRIDGE WIDENING PLAN LAYOUT

CLIENT: CAVAN COUNTY COUNCIL

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 Engineering and Environmental Consultants
 Cork | Tralee | London | Limerick

Park House
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 Bessboro Road
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 T12 X251

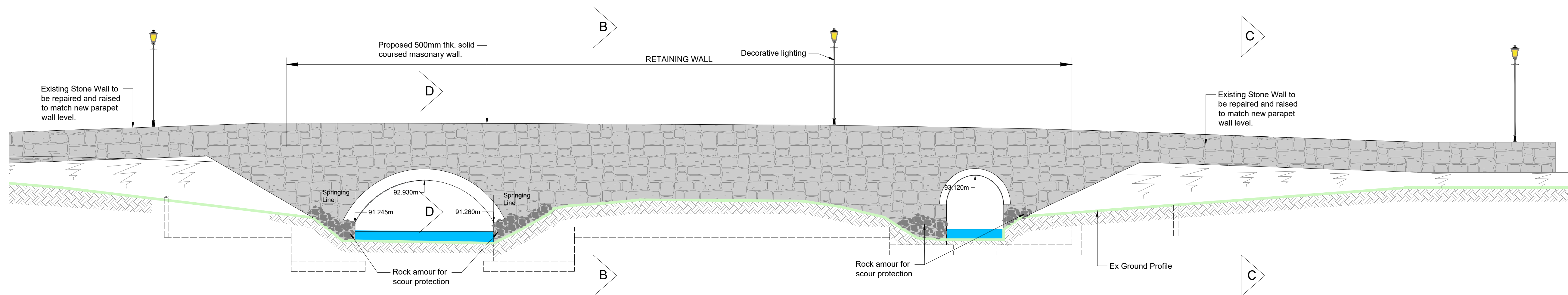
Tel: +353 (0)21 4536400
 E-mail: cork@malachywalsh.com

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DATE: JAN 2020	SCALE @ A1: AS SHOWN	
PROJECT NUMBER: 20013	DRAWING STATUS: S3	
DRAWING NUMBER: DBW01-MWP-ZZ-00-DR-C-0113	REV: P01	

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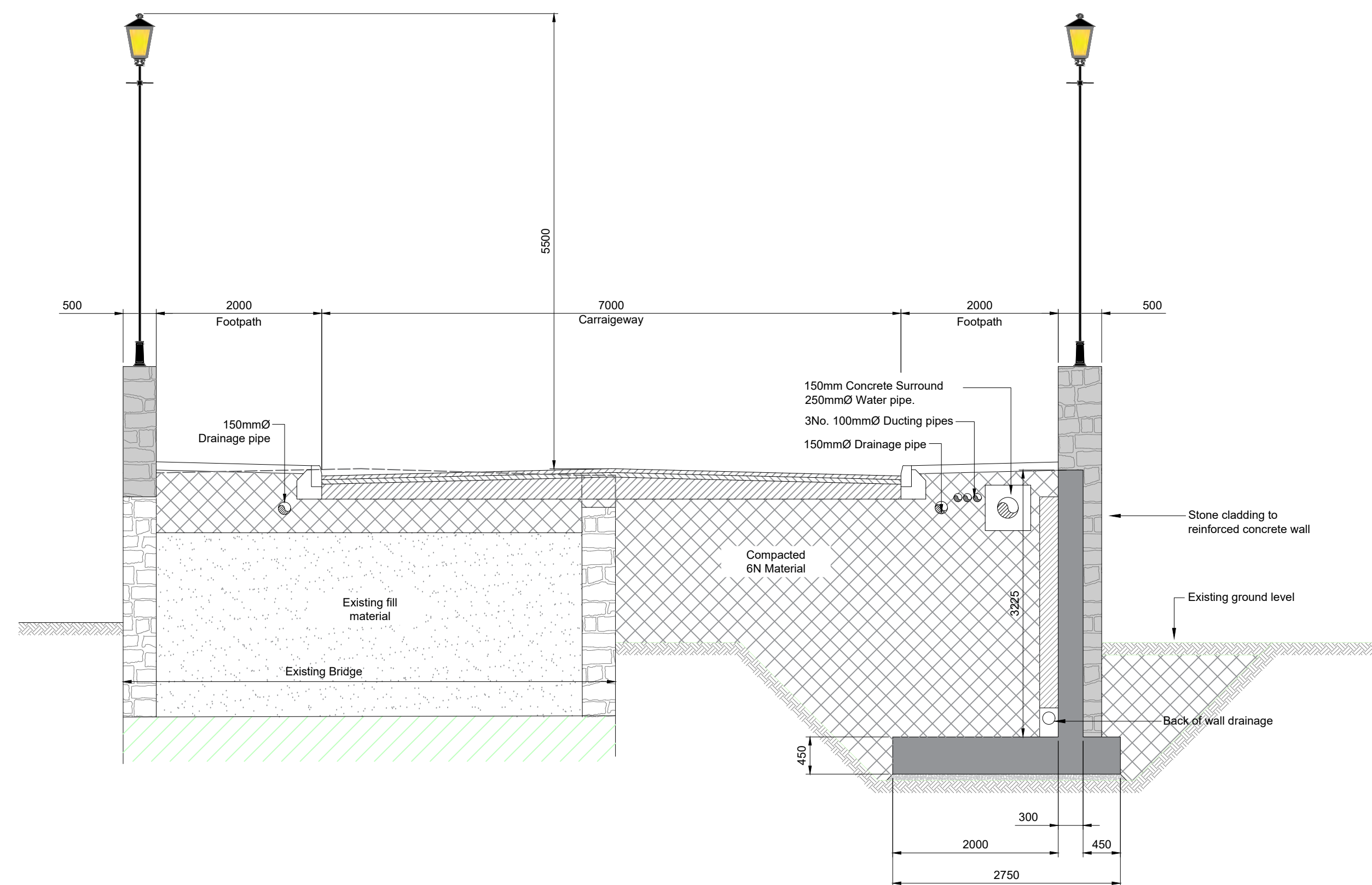
NOTES :

LEGEND :



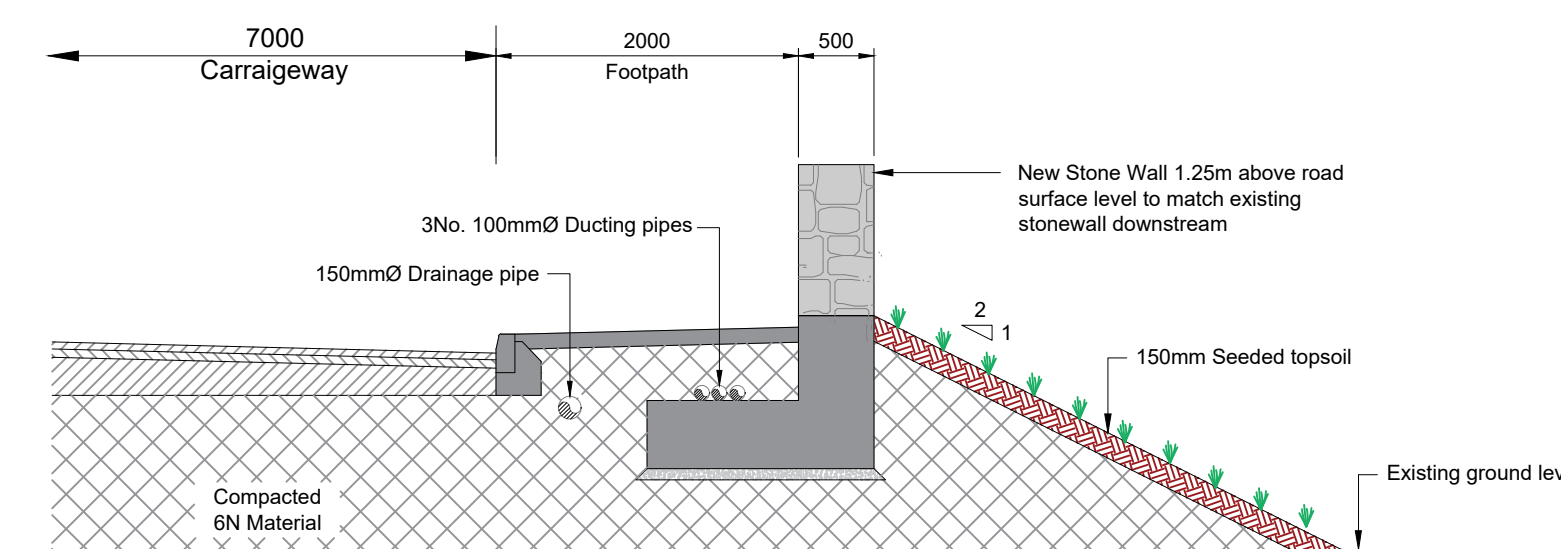
Section A - Proposed Upstream Elevation

Scale: 1:100



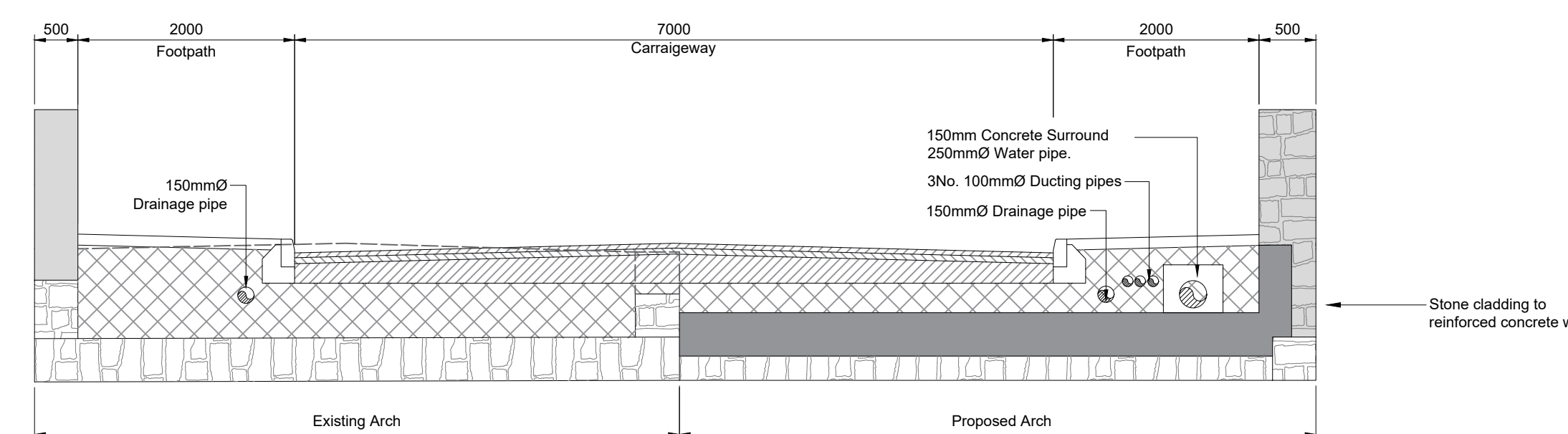
Section B - Through Retaining Wall

Scale: 1:50



Section C

Scale: 1:50



Section D

Scale: 1:50

REFERENCE DRAWINGS No:
 DBW01-MWP-ZZ-00-DR-C-0111
 DBW01-MWP-ZZ-00-DR-C-0112
 DBW01-MWP-ZZ-00-DR-C-0113
 DBW01-MWP-ZZ-00-DR-C-0114
 DBW01-MWP-ZZ-00-DR-C-0115

P01	22.01.20	ISSUED FOR COMMENT	JRC	POD
REV	DATE	DESCRIPTION	BY	APP

PROJECT: DUNANCORY BRIDGE WIDENING

TITLE: PROPOSED BRIDGE WIDENING ELEVATIONS AND SECTIONS

CLIENT: CAVAN COUNTY COUNCIL

Malachy Walsh and Partners
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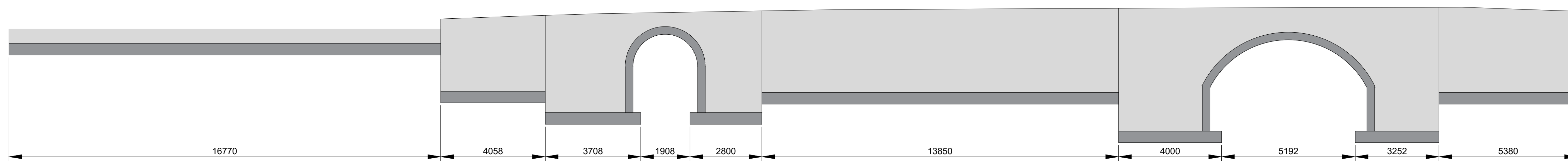
Park House
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 Blackrock
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 T12 X251
 Tel: +353 (0)21 4536400
 E-mail: cork@mwp.ie

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DATE: JAN 2020 SCALE @ A1: AS SHOWN

PROJECT NUMBER: 20013 DRAWING STATUS: S3

DRAWING NUMBER: DBW01-MWP-ZZ-00-DR-C-0114 REV: P01



Section E - Longitudinal Retaining Wall

Scale: 1:50

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NOTES :

- NEW ROAD MARKING OMITTED FOR CLARITY
- The scheme has been designed to:
 Road and footpath // BS 5489-1:2013, C3 15 lux average, 40% minimum.
 The maintenance factor has been calculated to BS5489-1:2013, Table B1.
 Luminaire Maintenance Factors:
 Cleaning frequency - 72 months.
 Environmental zone - E1/2: 0.92
 Percentage of initial light output (Lx) for 100,000hours: 90%.
 LED rated life 100,000hours (Fy): no catastrophic failures.
 From this information we would specify a MF of 0.83

LEGEND :

- Area which has a lux between 6 and 15 lux.
- Area which has a greater than 15 lux.
- Luminaire Type B
- Luminaire Type C

REFERENCE DRAWINGS No:
 DBW01-MWP-ZZ-00-DR-C-0111
 DBW01-MWP-ZZ-00-DR-C-0112
 DBW01-MWP-ZZ-00-DR-C-0113
 DBW01-MWP-ZZ-00-DR-C-0114
 DBW01-MWP-ZZ-00-DR-C-0115

PO1	22.01.20	ISSUED FOR COMMENT	JRC	POD
REV	DATE	DESCRIPTION	BY	APP

PROJECT: DUNANCORY BRIDGE WIDENING

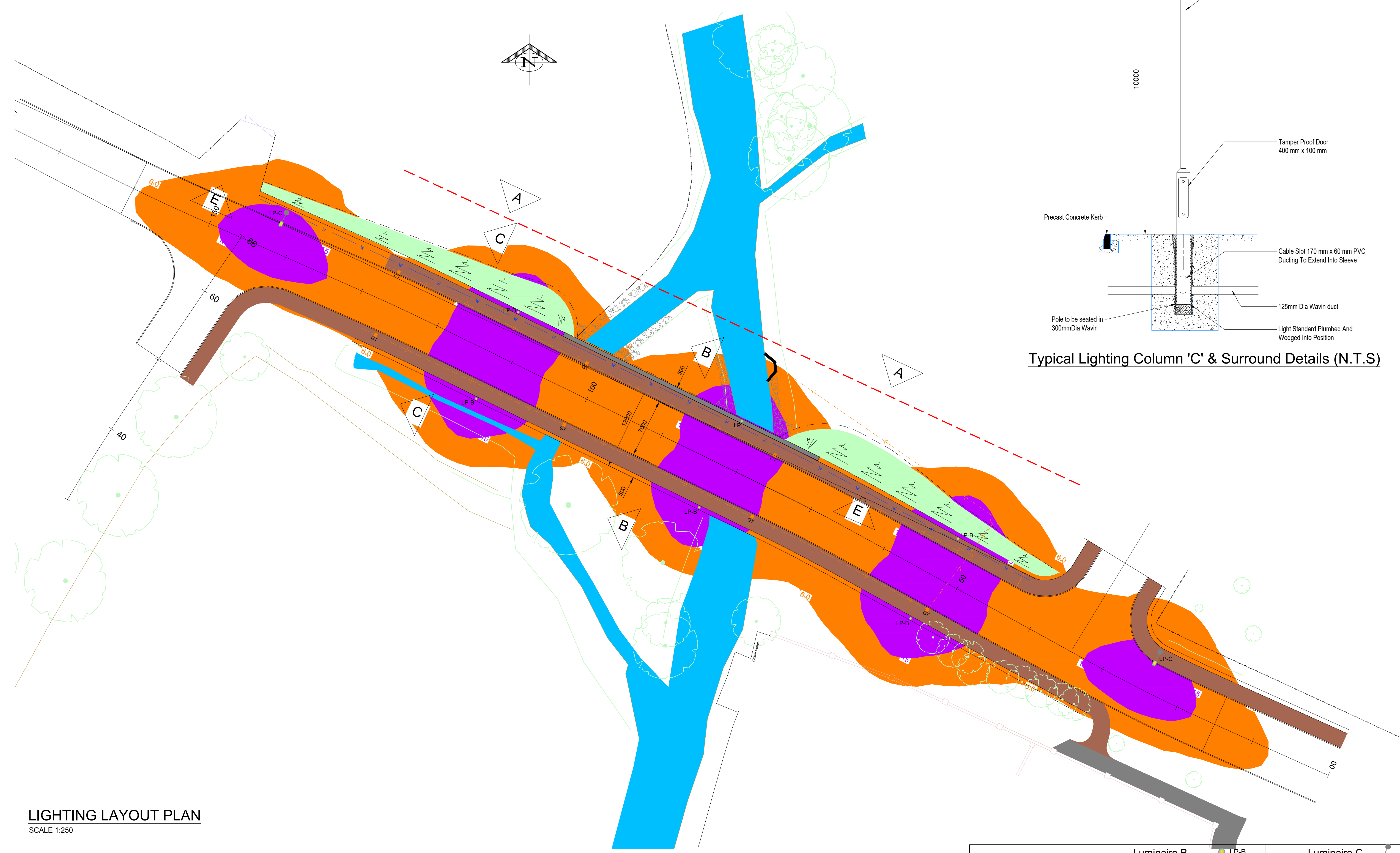
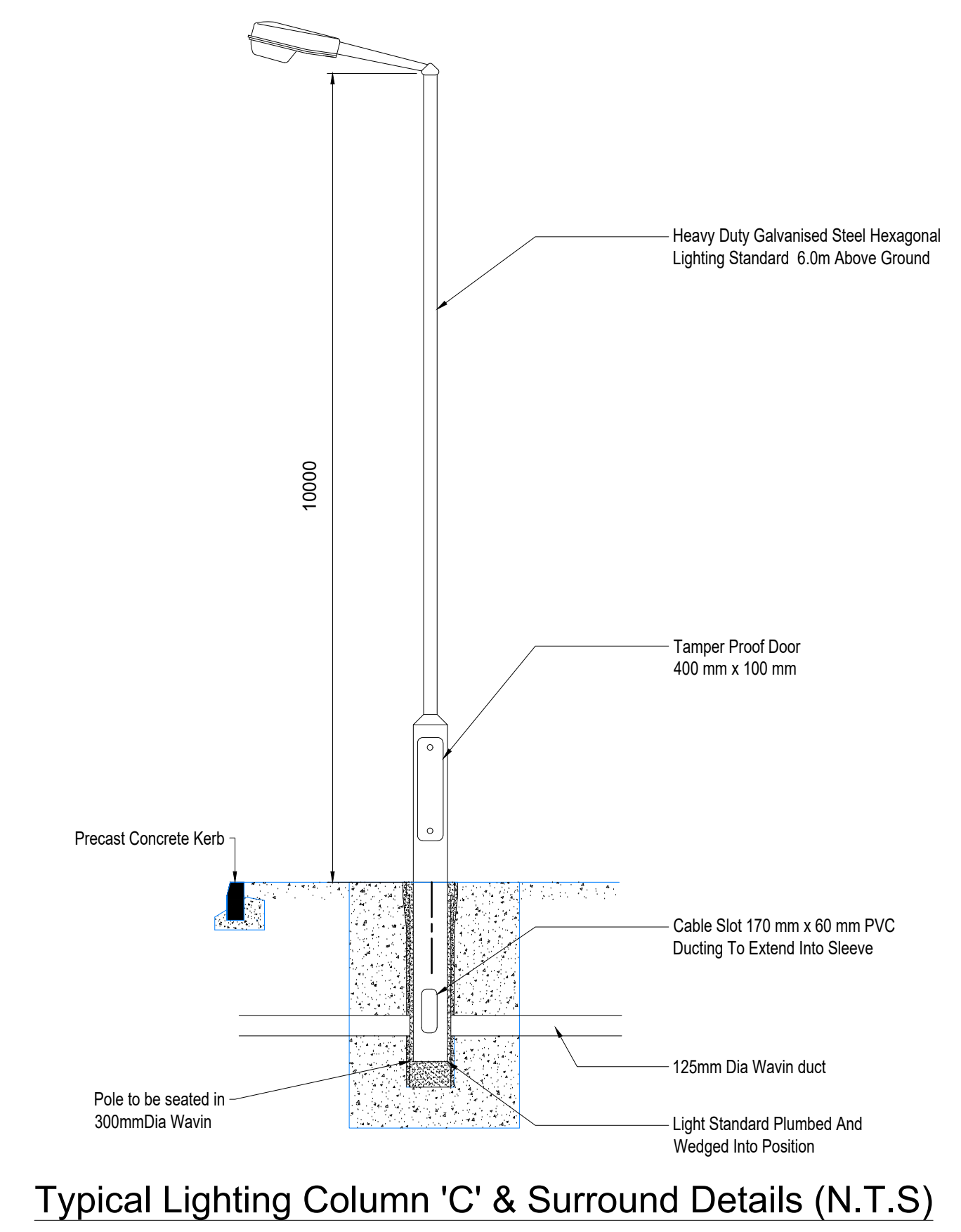
TITLE: PROPOSED BRIDGE WIDENING LIGHTING LAYOUT PLAN

CLIENT: CAVAN COUNTY COUNCIL

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 Engineering and Environmental Consultants
 Cork | Tralee | London | Limerick

Park House
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 E-mail: cork@mwp.ie

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DATE: JAN 2020	SCALE @ A1: AS SHOWN	
PROJECT NUMBER: 20013	DRAWING STATUS: S3	
DRAWING NUMBER: DBW01-MWP-ZZ-00-DR-C-0115	REV: P01	



LIGHTING LAYOUT PLAN
 SCALE 1:250

	Luminaire B ● LP-B	Luminaire C ● LP-C
Supplier	Schreder	Schreder
Type	Abbey LED 5068 Deep shape PC Symmetrical 32 XP-G3+AEA-70...	Albany MIDI LED 5137 Deep shape PC - 48 XP-G3@500mA NW7...
Lamp(s)	32 XP-G3+AEA-700mA NW 740 2 30V 00-36-981	48 XP-G3@500mA NW740 230V 00-07-204
Lamp Flux (klm)	6.68	9.66
Maintenance Factor	0.83	0.83
No. in Project	6	2