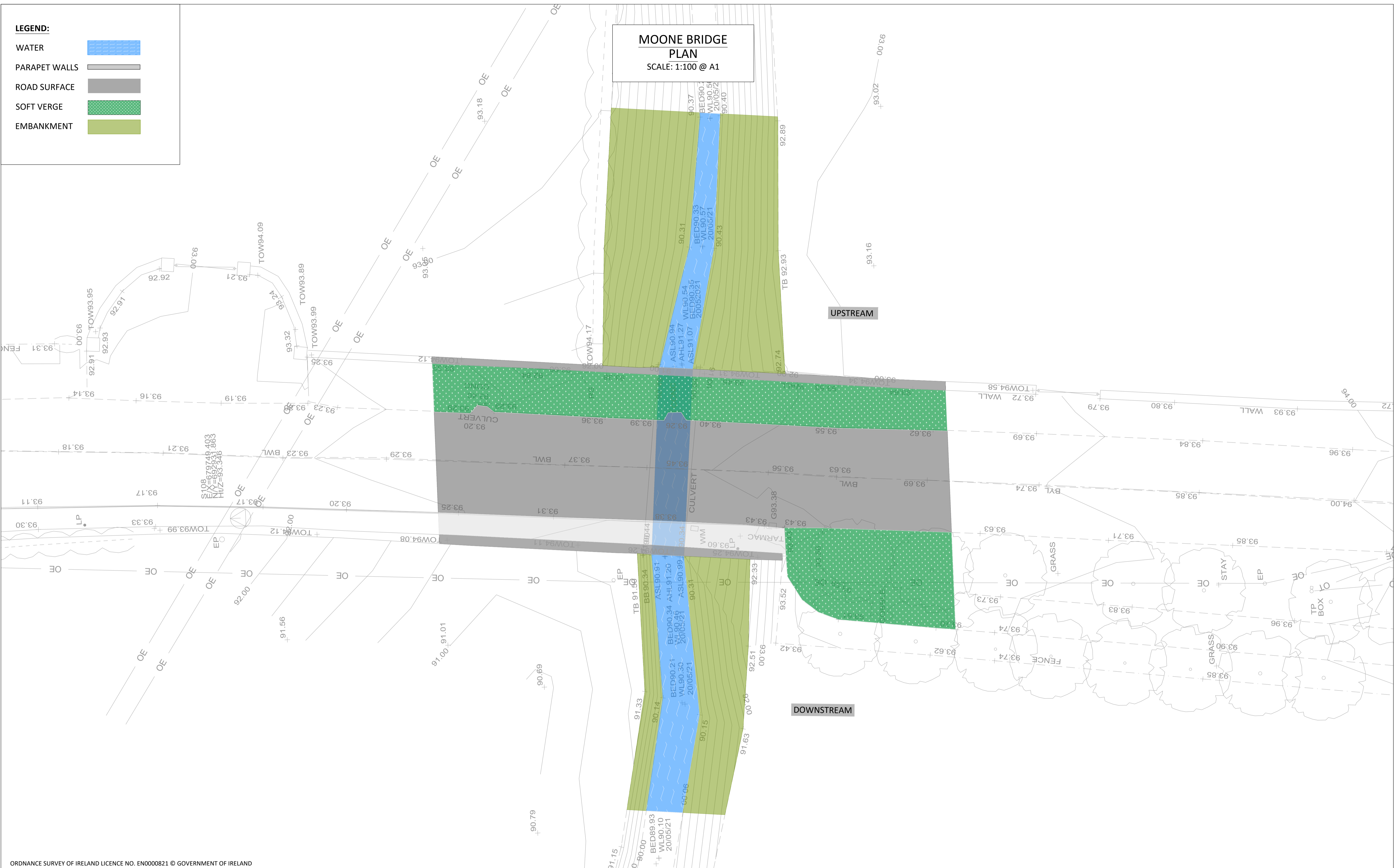


**LEGEND:**

- WATER
- PARAPET WALLS
- ROAD SURFACE
- SOFT VERGE
- EMBANKMENT

**MOONE BRIDGE  
PLAN**  
SCALE: 1:100 @ A1

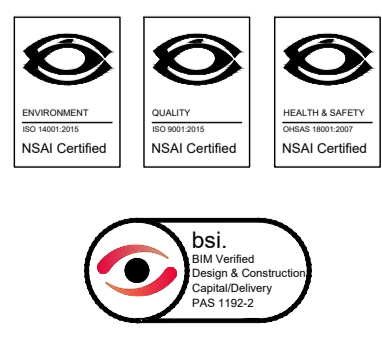


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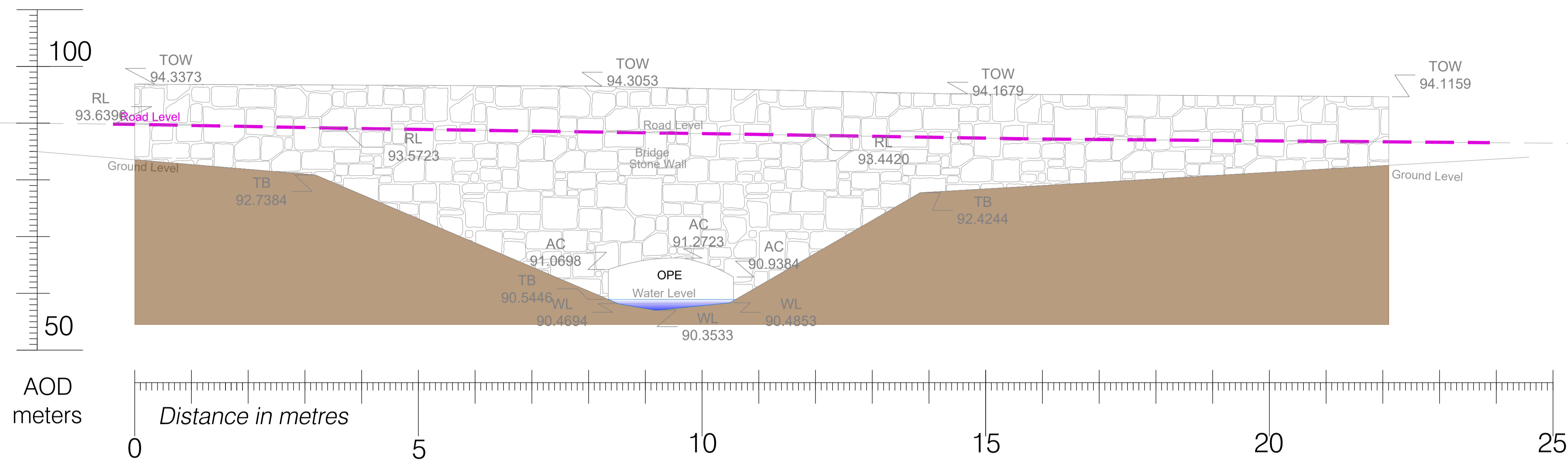


Client:	Kildare County Council						
Project:	Kildare County Council Bridge Remediation 2021, Contract 2						
Title:	Moone Bridge Existing Layout Plan						
Code	Originator	Zone	Level	Type	Role	Number	Status
K454	OCSC	Z6	XX	DR	C	0101	A3
Date: 21.04.21 Scale: Shown @ A1							Revision
Drn by: RF							C01
Chkd by: MF							
Aprvd by: BH							

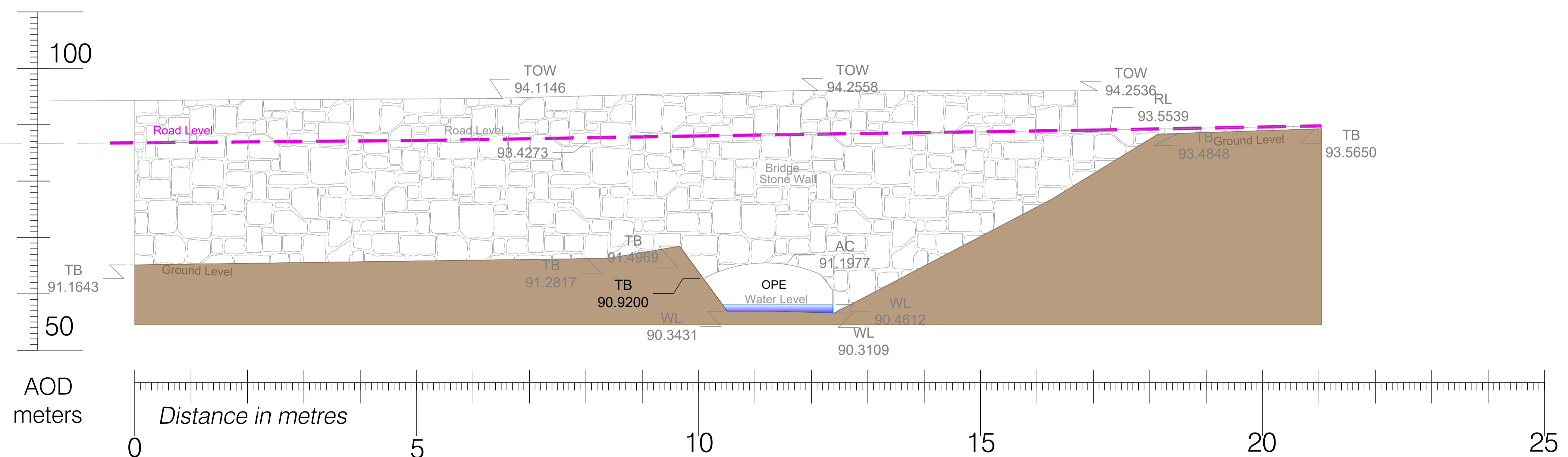
**LEGEND ELEVATION:**  
 WATER  
 EARTH  
 MASONRY SURFACE  
 ROAD LEVEL (CENTRE LINE)

TOW = TOP OF WALL  
 TB = TOP OF BANK  
 AC = ARCH CROWN  
 WL = WATER LEVEL  
 RL = ROAD LEVEL

**MOONE BRIDGE  
 UPSTREAM ELEVATION**  
 SCALE: 1:50 @ A1



**MOONE BRIDGE  
 DOWNSTREAM ELEVATION**  
 SCALE: 1:50 @ A1



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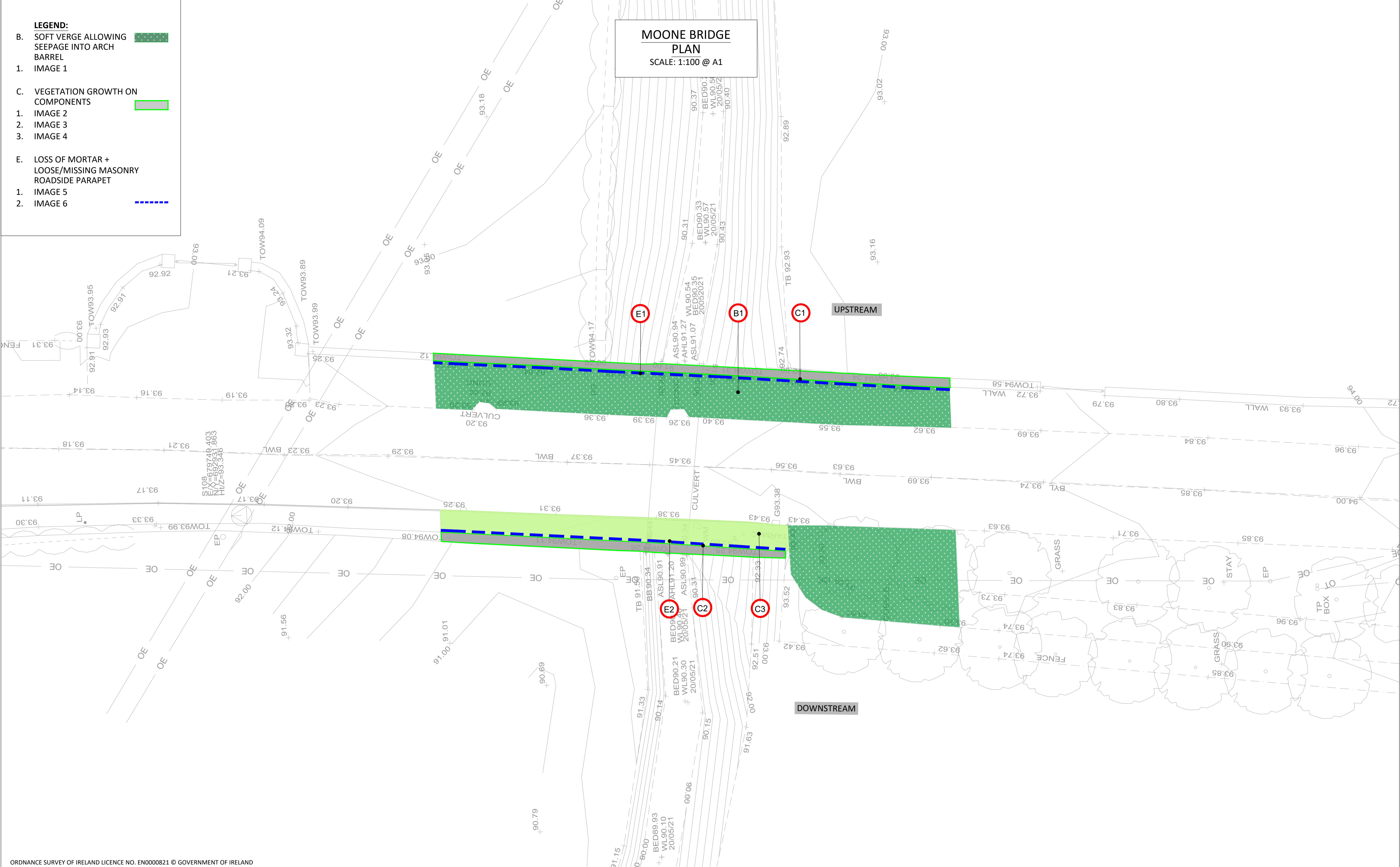


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Client: Kildare County Council  
 Project: Kildare County Council  
 Bridge Remediation 2021, Contract 2  
 Title: Moone Bridge  
 Existing Layout  
 Elevations

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0102	A3	C01

Date: 21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH



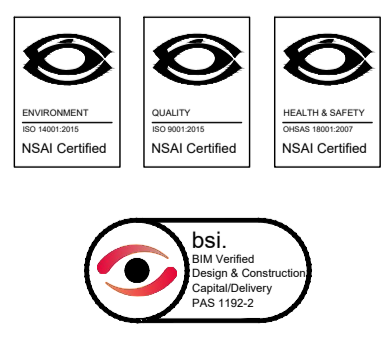
**MOONE BRIDGE  
PLAN**  
SCALE: 1:100 @ A1

- LEGEND:**
- B. SOFT VERGE ALLOWING SEEPAGE INTO ARCH BARREL
  - 1. IMAGE 1
  - C. VEGETATION GROWTH ON COMPONENTS
  - 1. IMAGE 2
  - 2. IMAGE 3
  - 3. IMAGE 4
  - E. LOSS OF MORTAR + LOOSE/MISSING MASONRY ROADSIDE PARAPET
  - 1. IMAGE 5
  - 2. IMAGE 6

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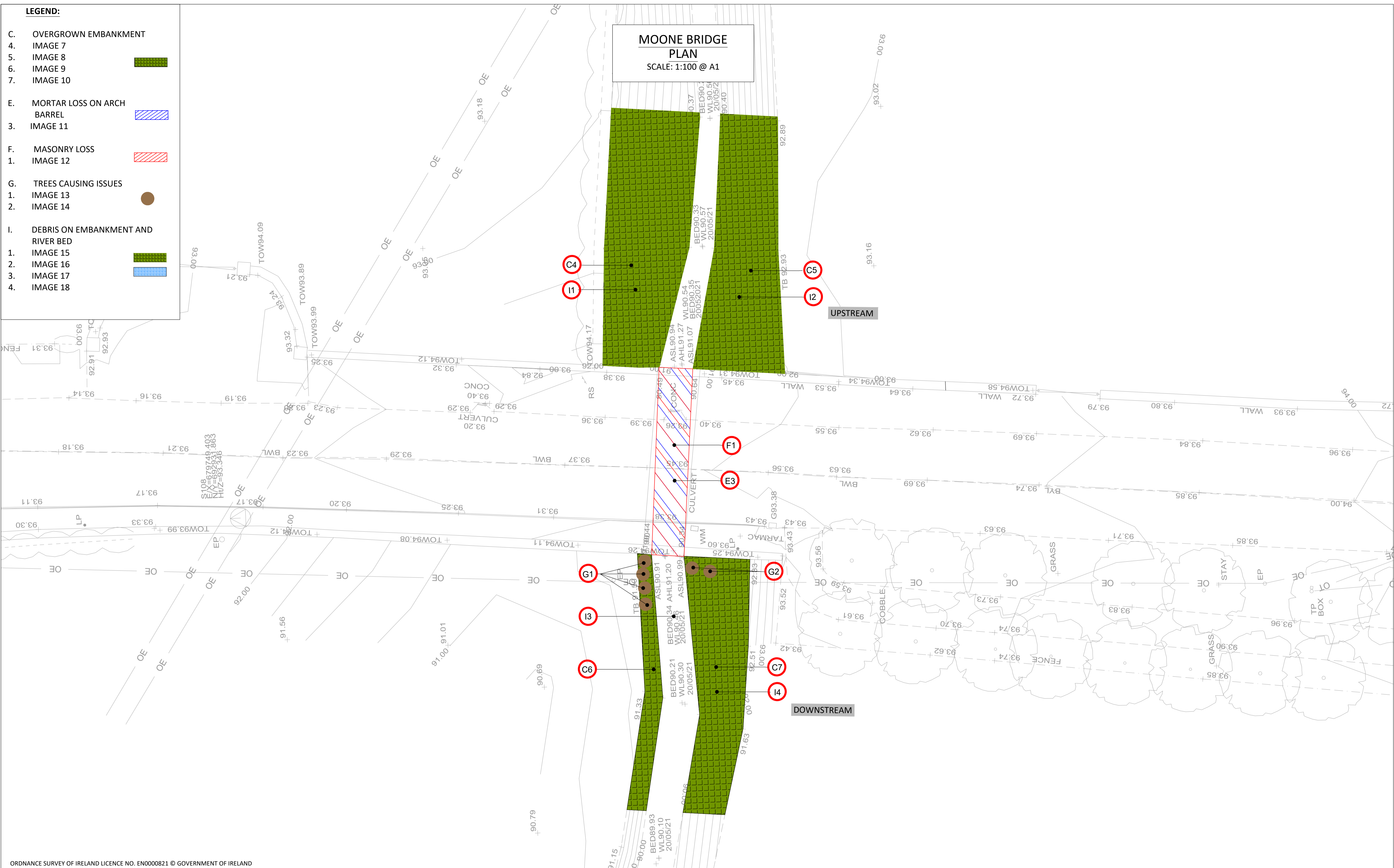
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Client:	Kildare County Council							
Project:	Kildare County Council Bridge Remediation 2021, Contract 2							
Title:	Moone Bridge Existing Defects at Road Level Plan							
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0200	A3	C01
Date: 21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH								

- LEGEND:**
- C. OVERGROWN EMBANKMENT
  - 4. IMAGE 7
  - 5. IMAGE 8
  - 6. IMAGE 9
  - 7. IMAGE 10
  - E. MORTAR LOSS ON ARCH BARREL
  - 3. IMAGE 11
  - F. MASONRY LOSS
  - 1. IMAGE 12
  - G. TREES CAUSING ISSUES
  - 1. IMAGE 13
  - 2. IMAGE 14
  - I. DEBRIS ON EMBANKMENT AND RIVER BED
  - 1. IMAGE 15
  - 2. IMAGE 16
  - 3. IMAGE 17
  - 4. IMAGE 18

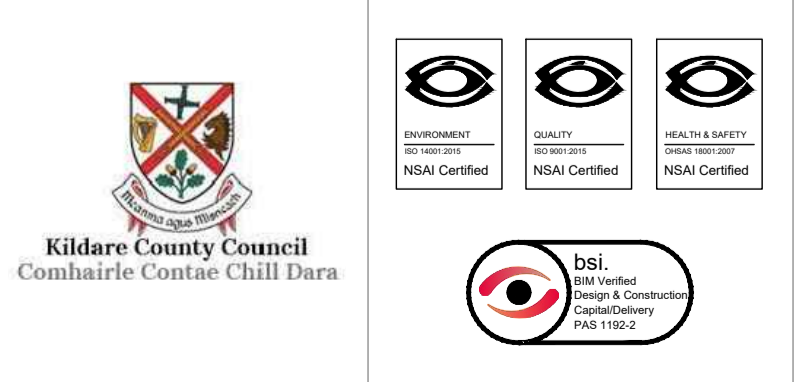
**MOONE BRIDGE**  
**PLAN**  
 SCALE: 1:100 @ A1



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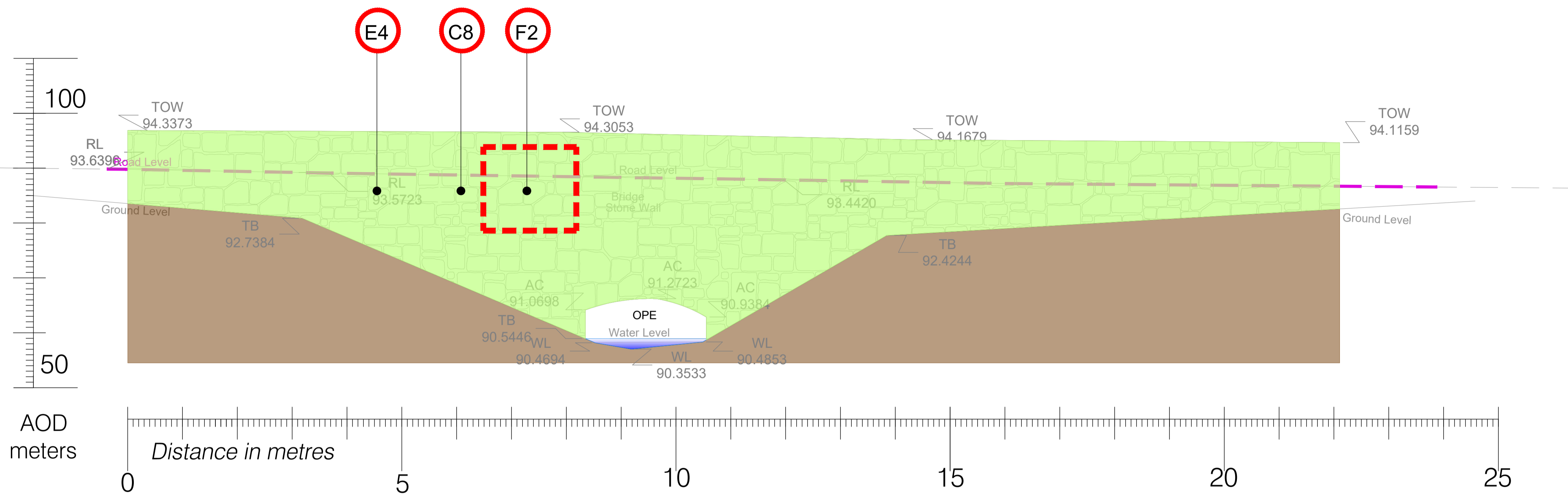


Client:	Kildare County Council							
Project:	Kildare County Council Bridge Remediation 2021, Contract 2							
Title:	Moone Bridge Existing Defects Below Road Level Plan							
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
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Date:	21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH							

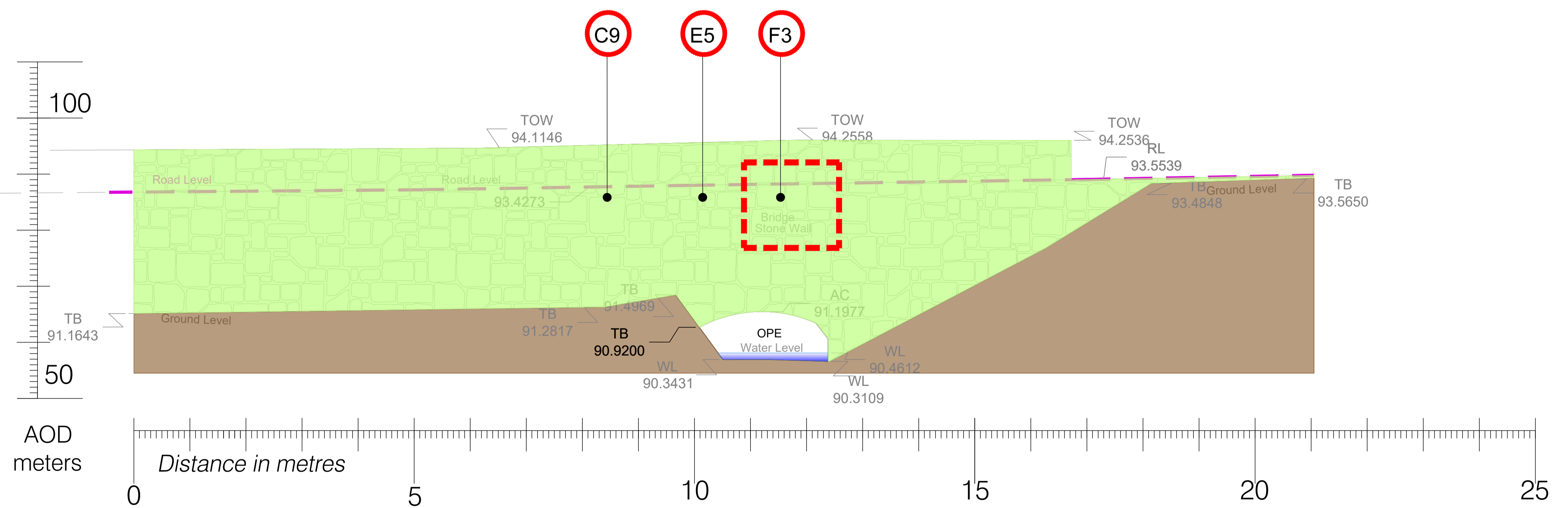
- LEGEND:**
- C. VEGETATION GROWTH ON ELEVATION
  - 8. IMAGE 19
  - 9. IMAGE 20
  
  - E. LOSS OF MORTAR ON ELEVATIONS
  - 4. IMAGE 21
  - 5. IMAGE 22
  
  - F. LOSS OF MASONRY ON ELEVATIONS
  - 2. IMAGE 23
  - 3. IMAGE 24

- TOW = TOP OF WALL
- TB = TOP OF BANK
- AC = ARCH CROWN
- WL = WATER LEVEL
- RL = ROAD LEVEL

**MOONE BRIDGE  
UPSTREAM ELEVATION**  
SCALE: 1:50 @ A1



**MOONE BRIDGE  
DOWNSTREAM ELEVATION**  
SCALE: 1:50 @ A1

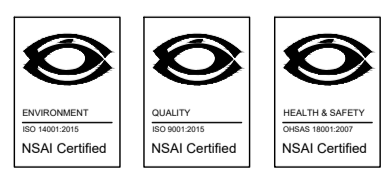


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Client:	Kildare County Council										
Project:	Kildare County Council Bridge Remediation 2021, Contract 2										
Title:	Moone Bridge Existing Defects Elevations										
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision			
K454	OCSC	Z6	XX	DR	C	0202	A3	C01			
Date:	21.04.21		Scale:	Shown @ A1		Drn by:	RF	Chkd by:	MF	Aprvd by:	BH

**LEGEND FOR REPAIR DETAILS**

- 1. VEGETATION REMOVAL
- 3. MASONRY REPOINTING
- 4. MASONRY REPAIR: MISSING STONE REPLACEMENT
- 6. CONCRETE RUBBING STRIP
- 22. FLEXIBLE BOLLARDS
- 23. TIMBER FENCE DETAILS

**LEGEND FOR OTHER REPAIRS**

- 34. REMOVAL OF TREES/ROOTS AND DISPOSE - IF TREE/ROOT IS EMBEDDED IN MASONRY IT MAY BE NECESSARY TO TAKE DOWN MASONRY AROUND TREE/ROOT, REMOVE TREE/ROOT AND THEN REFER TO DETAIL 4 FOR MASONRY REPAIR - MISSING STONE REPLACEMENT
- 38. DEBRIS REMOVAL

**MOONE BRIDGE  
PLAN  
SCALE: 1:100 @ A1**



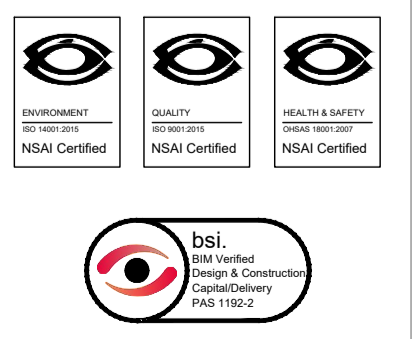
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Client: Kildare County Council  
Project: Kildare County Council Bridge Remediation 2021, Contract 2  
Title: Moone Bridge Remedial Works at Road Level Plan

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0300	A3	C01

Date: 21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH

**LEGEND FOR REPAIR DETAILS**

- 1. VEGETATION REMOVAL
- 3. MASONRY REPOINTING
- 4. MASONRY REPAIR: MISSING STONE REPLACEMENT
- 6. CONCRETE RUBBING STRIP
- 22. FLEXIBLE BOLLARDS
- 23. TIMBER FENCE DETAILS

**LEGEND FOR OTHER REPAIRS**

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- 38. DEBRIS REMOVAL

**MOONE BRIDGE  
PLAN  
SCALE: 1:100 @ A1**



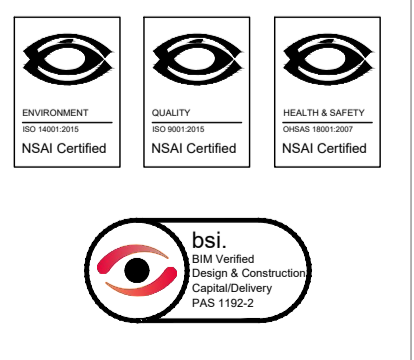
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Project:	Kildare County Council Bridge Remediation 2021, Contract 2							
Title:	Moone Bridge Remedial Works Below Road Level Plan							
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0301	A3	C01
Date: 21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH								

**LEGEND FOR REPAIR DETAILS**

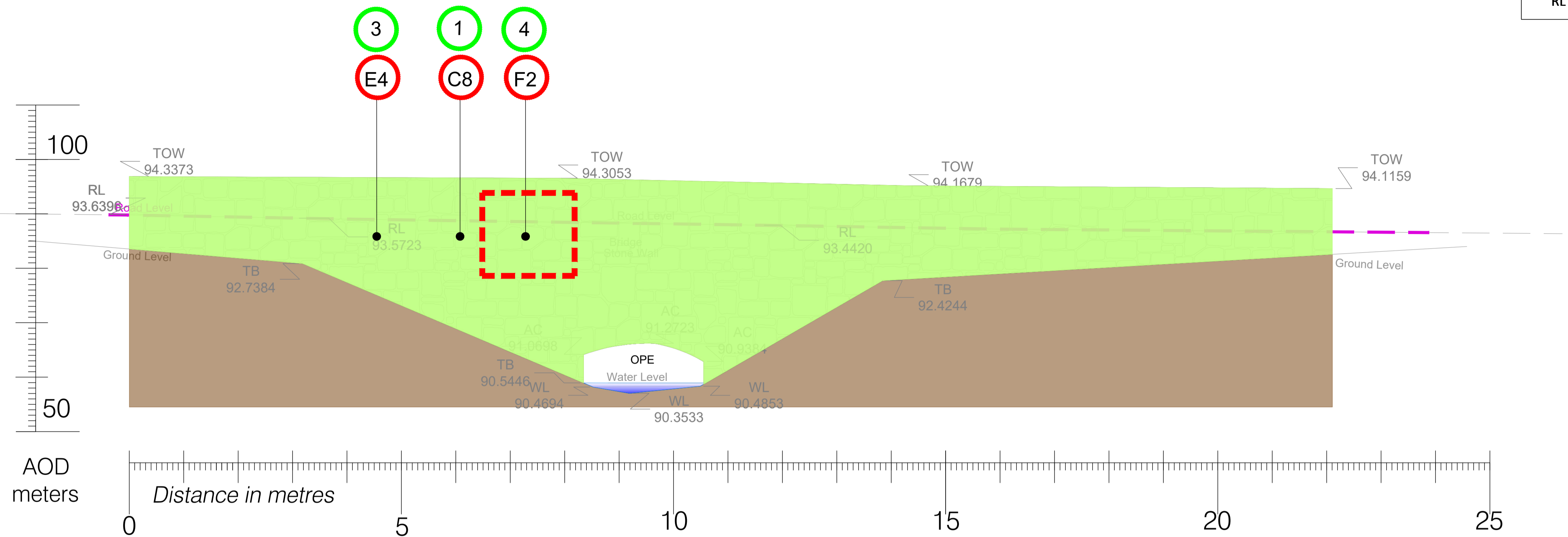
- 1. VEGETATION REMOVAL
- 3. MASONRY REPOINTING
- 4. MASONRY REPAIR: MISSING STONE REPLACEMENT
- 6. CONCRETE RUBBING STRIP
- 22. FLEXIBLE BOLLARDS
- 23. TIMBER FENCE DETAILS

**LEGEND FOR OTHER REPAIRS**

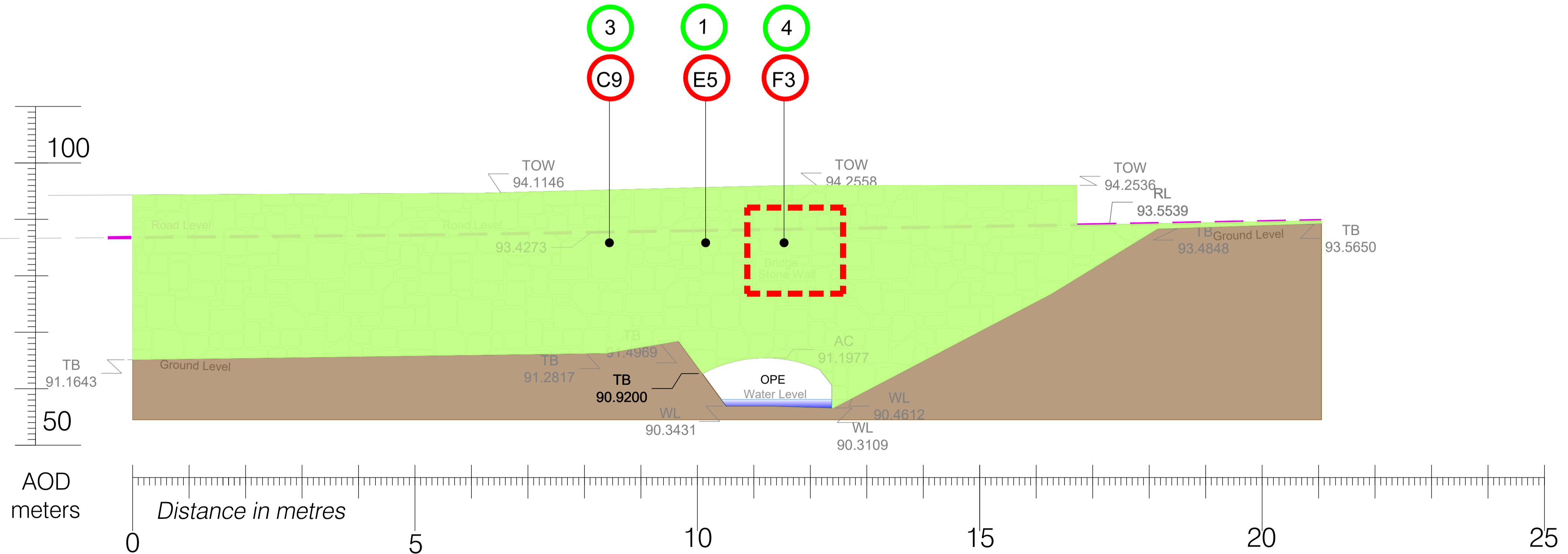
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- 38. DEBRIS REMOVAL

TOW = TOP OF WALL  
 TB = TOP OF BANK  
 AC = ARCH CROWN  
 WL = WATER LEVEL  
 RL = ROAD LEVEL

**MOONE BRIDGE  
 UPSTREAM ELEVATION**  
 SCALE: 1:50 @ A1



**MOONE BRIDGE  
 DOWNSTREAM ELEVATION**  
 SCALE: 1:50 @ A1



C1 1

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Client: Kildare County Council  
 Project: Kildare County Council  
 Bridge Remediation 2021, Contract 2  
 Title: Moone Bridge  
 Remedial Works  
 at Elevations

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0302	A3	C01

Date: 21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH



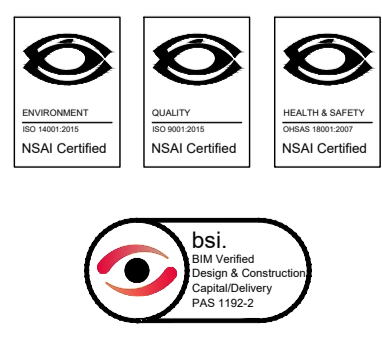
Existing Defect Taken From 0200 Series Drawings	Schedule of Works For Moone Bridge Remedial Action Taken From 0300 Series Drawings	Quantity
B1 Upstream soft verge allowing seepage into arch barrel	Detail 6 Replace grass verge with Concrete Rubbing Strip	30m2
	Detail 6 Kerb for Concrete rubbing strip	12m
	Detail 8 Existing Road Surface Tie in to Concrete Rubbing Strip	8m2
	Detail 22 Proposed flexible Bollards on rubbing strip	6no.
C1 Vegetation growth on components	Detail 1 Vegetation Removal	15m2
C1 Vegetation growth on components	Detail 1 Vegetation Removal	15m2
C2 Vegetation growth on components	Detail 1 Vegetation Removal	10m2
C3 Vegetation growth on components	Detail 1 Vegetation Removal	30m2
C4 Overgrown Embankment	Detail 1 Vegetation Removal	5m2
C5 Overgrown Embankment	Detail 1 Vegetation Removal	5m2
C6 Overgrown Embankment	Detail 1 Vegetation Removal	5m2
C7 Overgrown Embankment	Detail 1 Vegetation Removal	5m2
C8 Vegetation growth on Elevation	Detail 1 Vegetation Removal	10m2
C9 Vegetation growth on Elevation	Detail 1 Vegetation Removal	10m2
E1 Loss of mortar on parapet wall (roadside)	Detail 3 Masonry Repointing	15m2
E2 Loss of mortar on parapet wall (roadside)	Detail 3 Masonry Repointing	20m2
E3 Loss of mortar on arch barrel	Detail 3 Masonry Repointing	25m2
E4 Loss of mortar on Elevation	Detail 3 Masonry Repointing	10m2
E5 Loss of mortar on Elevation	Detail 3 Masonry Repointing	10m2
F1 Masonry Loss in Arch Barrel	Detail 4 Masonry Repair: Missing stone replacement	1m3
F2 Masonry Loss on Elevation	Detail 4 Masonry Repair: Missing stone replacement	1m3
F3 Masonry Loss on Elevation	Detail 4 Masonry Repair: Missing stone replacement	1m3
G1 Trees causing issues	Item 34 removal of tree and disposal. Circumference 1m	4 no.
G2 Trees causing issues	Item 34 removal of tree and disposal. Circumference 1m	2 no.
I1 Debris on embankment	Item 38 Debris Removal	3m2
I2 Debris on embankment	Item 38 Debris Removal	3m2
I3 Debris on riverbed	Item 38 Debris Removal	3m2
I4 Debris on embankment	Item 38 Debris Removal	3m2
	Item 22 Install 5m Fencing on the downstream right embankment	5m

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Rev No.	Date	Revision Note	Drn by	Chkd by
C01	02.07.21	SUITABLE FOR TENDER	RF	MF

Rev No.	Date	Revision Note	Drn by	Chkd by



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Client: Kildare County Council  
Project: Kildare County Council  
Bridge Remediation 2021, Contract 2

Title: Moone Bridge  
Remedial Works  
Schedule of Works

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision  
K454 · OCSC · Z6 · XX · DR · C · 0303 | A3 | C01

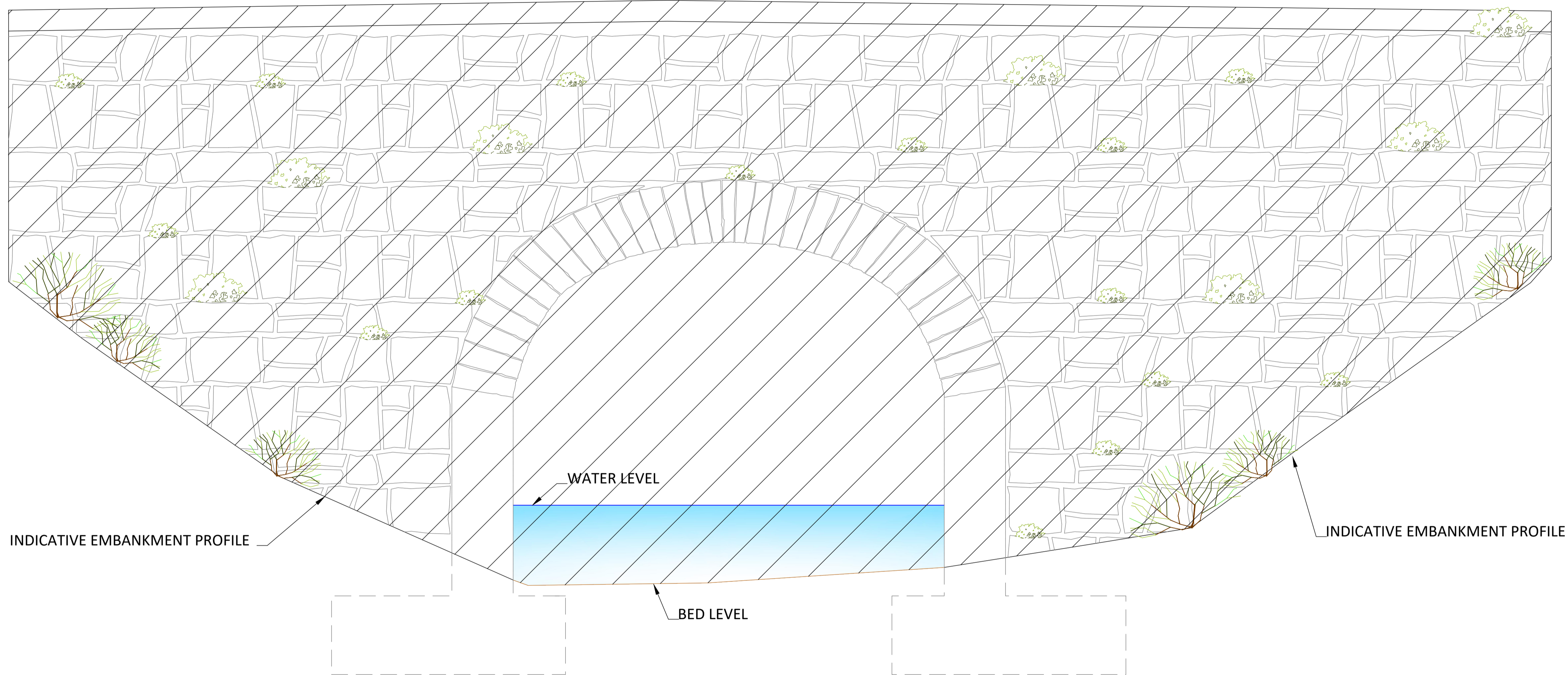
Date: 21.04.21 Scale: Shown @ A1 Drn by: RF Chkd by: MF Aprvd by: BH

# DETAIL 1: VEGETATION REMOVAL

Scale: NTS

## GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
3. THIS DRAWING SHALL BE USED FOR THE DESIGN ELEMENT NOTED ONLY.
4. ALL STRUCTURES SHALL BE CLEANED USING A HIGH PRESSURE WATER JET TO REMOVE ALL DIRT; SURFACE DEPOSITS AND VEGETATION FROM THE SURFACE OF THE STRUCTURE.
5. ALL REPAIR WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT DRAWING AND SPECIFICATION AND TO THE SATISFACTION OF THE EMPLOYER'S REPRESENTATIVE
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL STRUCTURES IN THE TEMPORARY CASE DURING THE CONSTRUCTION.
7. WHERE CRACKING / DISTORTION OF A STRUCTURE HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER REMEDIATION, INCLUDING DRAWINGS AND MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM FUTURE INSPECTIONS AND TO FACILITATE LONG TERM MONITORING.



## VEGETATION REMOVAL NOTES:

1. REMOVE VEGETATION FROM AREA HIGHLIGHTED BY TYPICAL ELEVATION. ANY VEGETATION PRESENT AT SOFFIT OF ARCH BARREL AND ABUTMENTS ALSO TO BE REMOVED. VEGETATION TO BE REMOVED TO THE SATISFACTION OF THE EMPLOYER'S REPRESENTATIVE;
2. WHERE ROOTS HAVE EMBEDDED THEMSELVES DEEP WITHIN THE JOINTS BETWEEN THE MASONRY UNITS THE MASONRY WILL NEED TO BE REMOVED AROUND THE ROOT, THE ROOT CAN THEN BE REMOVED AND THE MASONRY RE-BEDDED. REFER TO DETAIL MISSING MASONRY REPLACEMENT FOR RE-BEDDING OF MASONRY;
3. AS PART OF SITE CLEARANCE CONTRACTOR TO UNDERTAKE MASONRY WASHING USING LOW PRESSURE HOT WASHING WITH TURBO NOZZLE TO EXISTING WALLS OF THE STRUCTURE, WITHIN THE EXTENTS OF THE WORKS, TO PARAPET WALLS, SPANDREL WALLS, WING WALLS, ABUTMENTS AND ARCH BARRELS/SOFFIT;
4. RAKE OUT ANY LOOSE MORTAR FROM MASONRY JOINTS WHERE APPLICABLE;
5. IDENTIFY JOINTS WHERE REPOINTING IS REQUIRED AND REPOINT AS PER DETAIL MASONRY REPOINTING;

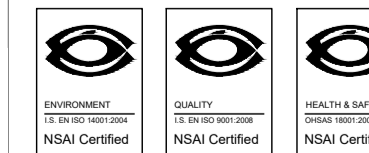
NOTE : TYPICAL MASONRY ARCH SHOWN; FOR CONCRETE ELEMENTS OF BRIDGE REMOVE VEGETATION IN A SIMILAR FASHION AS OUTLINED ABOVE.

## TYPICAL BRIDGE ELEVATION

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Client: Kildare County Council  
Project: Kildare County Council's Remediation  
Bridge Remediation 2021, Contract 2  
Title: Kildare Bridges  
Repair Detail  
Vegetation Removal

Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0001	A3	C01

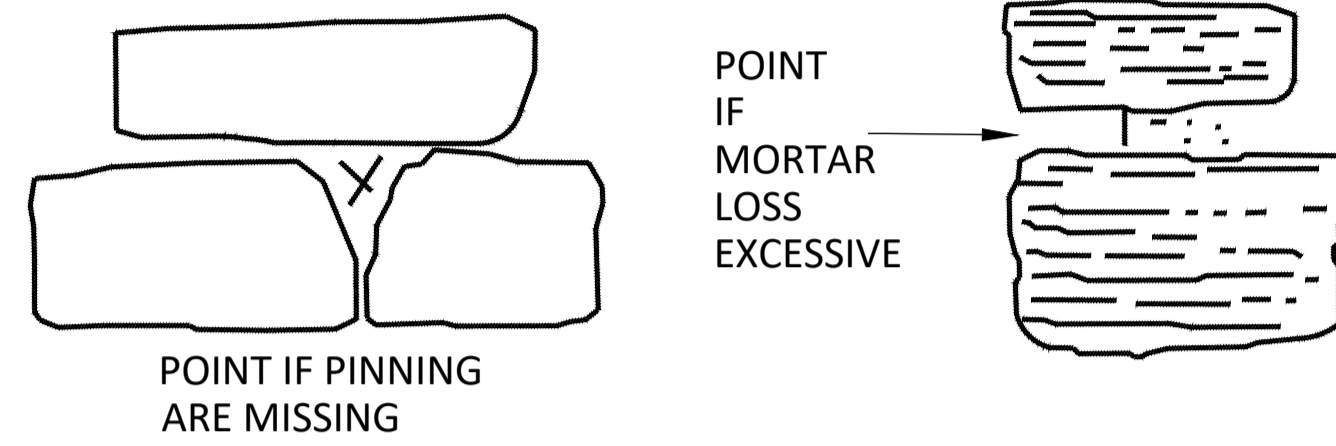
Date: 30.06.21 Scale: NTS @ A1 Drn by: NG Chkd by: BH Aprvd by: BO'R

# DETAIL 3: MASONRY REPOINTING

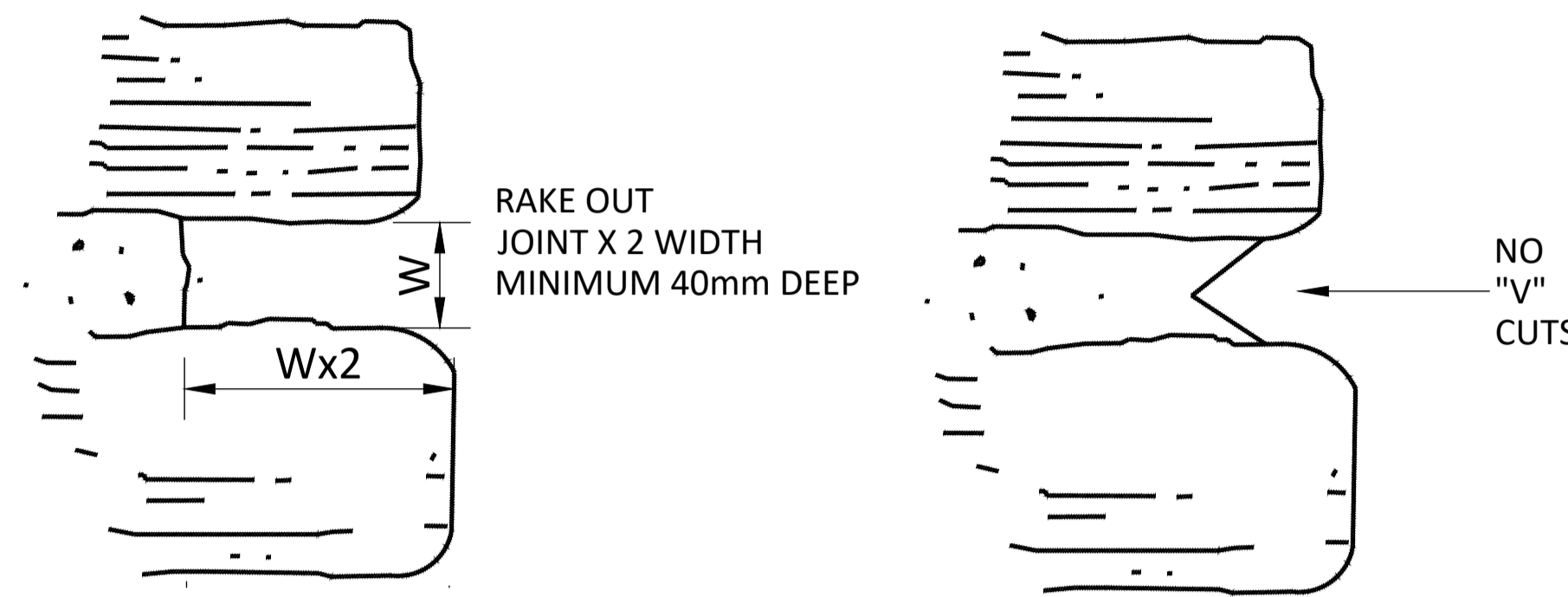
Scale: NTS

## GENERAL NOTES:

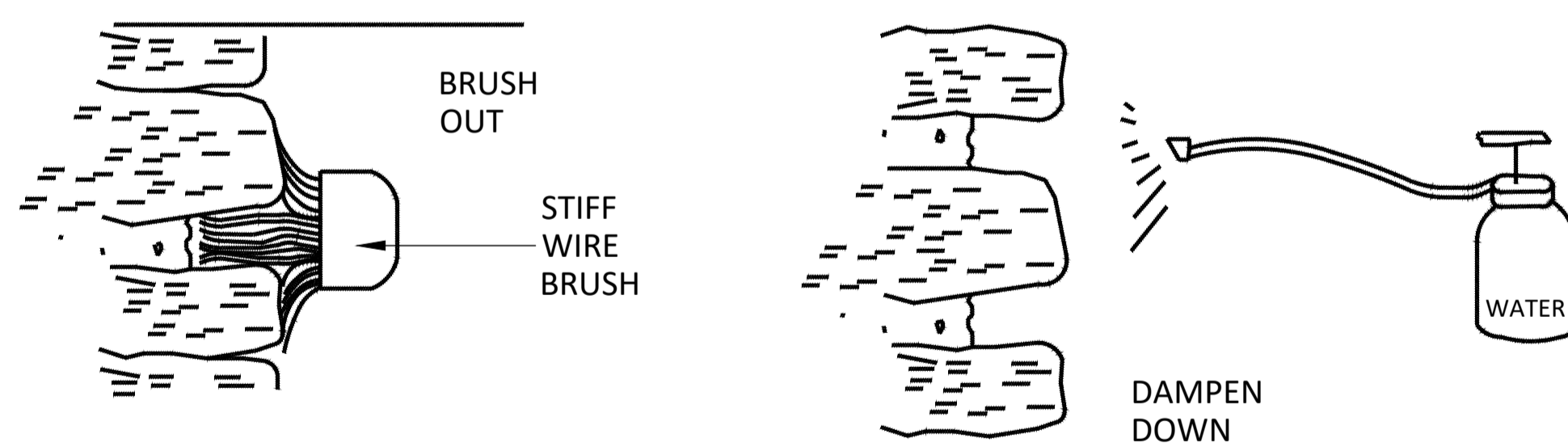
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3. THIS DRAWING SHALL BE USED FOR THE DESIGN ELEMENT NOTED ONLY.
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5. ALL REPAIR WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT DRAWING AND SPECIFICATION AND TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVE
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL STRUCTURES IN THE TEMPORARY CASE DURING THE CONSTRUCTION.
7. WHERE CRACKING / DISTORTION OF A STRUCTURE HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER REMEDIATION, INCLUDING DRAWINGS AND MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM FUTURE INSPECTIONS AND TO FACILITATE LONG TERM MONITORING.



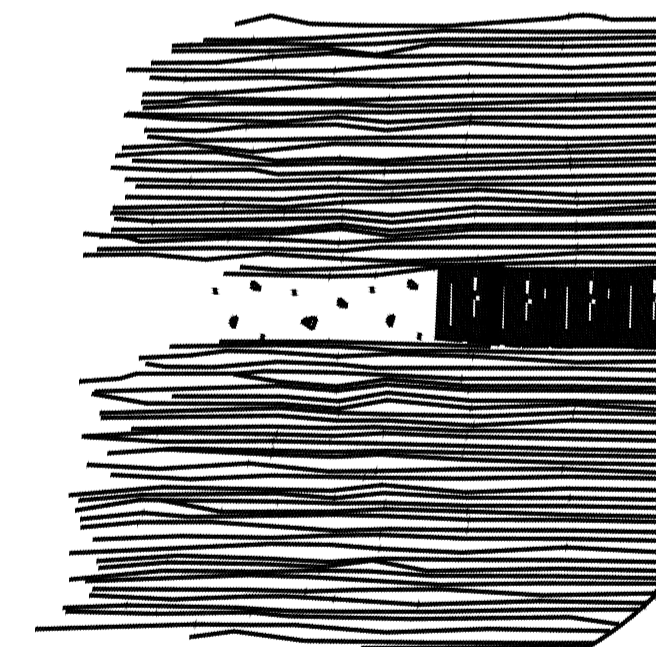
1: WHEN TO REPOINT



2: RAKE OUT EXISTING JOINTS



3: BRUSH AND DAMPEN



4: REPOINT JOINT FLUSH

## MASONRY REPOINTING NOTES:

1. REPOINTING REQUIRED WHERE THE CONDITIONS PRESENTED IN (1) ARE ENCOUNTERED AND WHERE THE EMPLOYER'S REPRESENTATIVE DEEMS IT NECESSARY FOR REPOINTING TO BE CARRIED OUT. REFER TO BILL OF QUANTITIES FOR EXPECTED AREA OF STRUCTURE TO BE REPOINTED.
2. RAKE OUT EXISTING JOINTS TO REMOVE LOOSE MATERIAL. JOINTS SHALL BE RAKED OUT TO A DEPTH OF TWICE THE JOINT WIDTH AS SHOWN, USING A PLUGGING CHISEL AND HAMMER. JOINTS SHALL BE RAKED OUT SQUARE WITH NO "V" CUTS.
3. JOINTS SHALL BE BRUSHED OUT USING A STIFF WIRE BRUSH. THE SURROUNDING MASONRY SHALL BE SUITABLY DAMPENED, THE CONTRACTOR SHALL ENSURE NO WATER FLOW, WEEPING, OR POOLED WATER IS PRESENT PRIOR TO REPOINTING
4. JOINTS SHALL BE REPOINTED FLUSH WITH THE EXISTING MASONRY
5. REPOINTING SHALL BE CARRIED OUT USING AN APPROPRIATE LIME OR CEMENTITIOUS MORTAR; TO MATCH THE EXISTING. TWO POSSIBLE STANDARD GAUGED MORTARS APPLICABLE ARE:
  - a) MORTAR CLASS 6 TO EN998-2, 1 PART CEMENT; 1/2 PART LIME ; 4 1/2 PARTS SAND BY VOLUME FOR A MORTAR STRENGTH RANGE OF 4.5N/mm<sup>2</sup> TO 6.5N/mm<sup>2</sup>
  - b) MORTAR CLASS 2 TO EN 998-2, 1 PART CEMENT; 2 PARTS LIME, 8 PARTS SAND BY VOLUME FOR A MORTAR STRENGTH RANGE OF 1.0N/mm<sup>2</sup> TO 1.5N/mm<sup>2</sup>.
 THE PROPOSED MORTAR SHALL BE TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVE.
6. REPOINTING WITH LIME MORTAR SHALL NOT BE CARRIED OUT IF TEMPERATURES ARE EXPECTED TO FALL BELOW 5°C WITHIN 1 WEEK OF APPLICATION.

• FOR SETTING OUT REFER TO ENGINEER'S DRAWINGS.  
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 • DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.  
 • NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF O'CONNOR SUTTON CRONIN AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED.

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C01	02.07.21	SUITABLE FOR TENDER	NG	BH

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Client: Kildare County Council  
 Project: Kildare County Council  
 Bridge Remediation 2021, Contract 2

Title: Kildare Bridges  
 Repair Details  
 Masonry Repointing

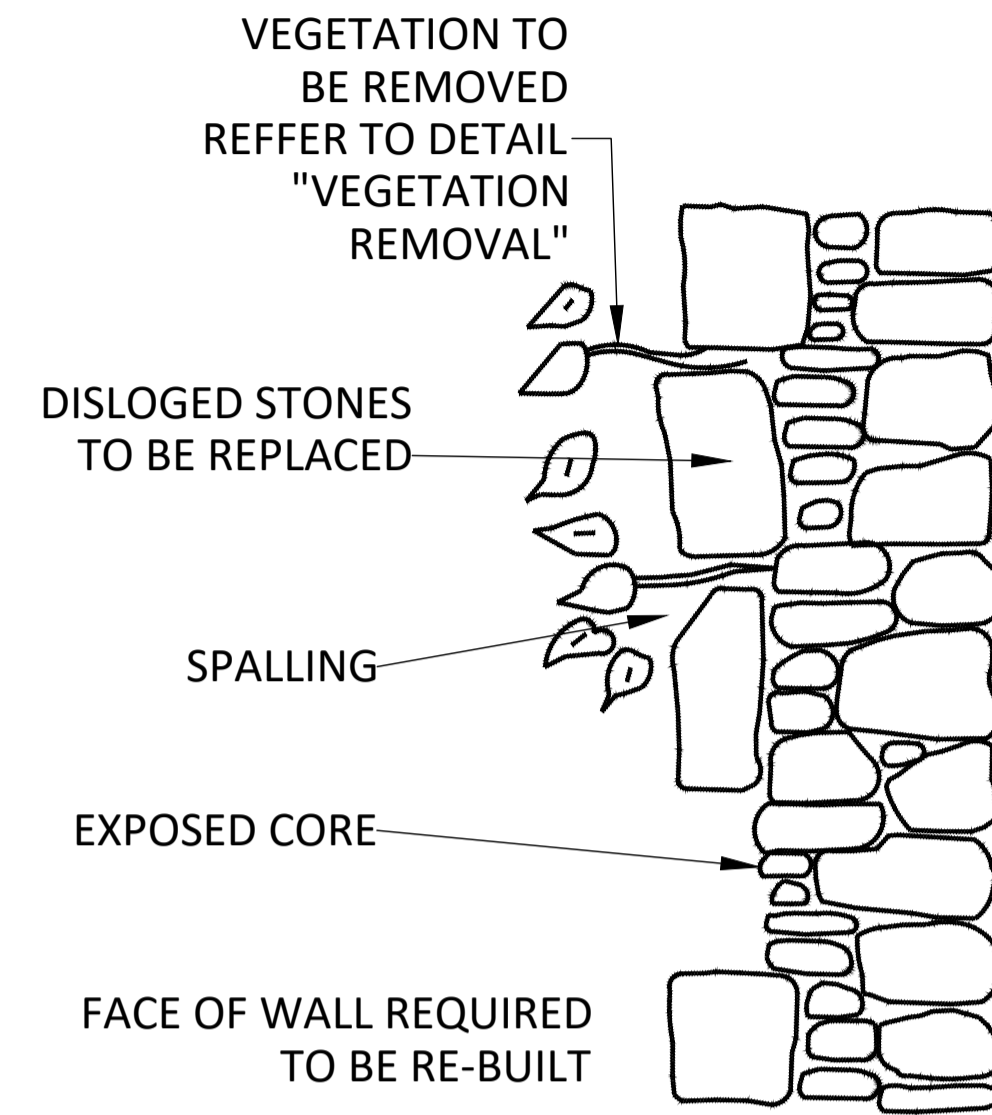
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0002	A3	C01

Date: 30.06.21 Scale: NTS @ A1 Drn by: NG Chkd by: BH Aprvd by: BO'R

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# DETAIL 4: MASONRY REPAIR - MISSING MASONRY REPLACEMENT

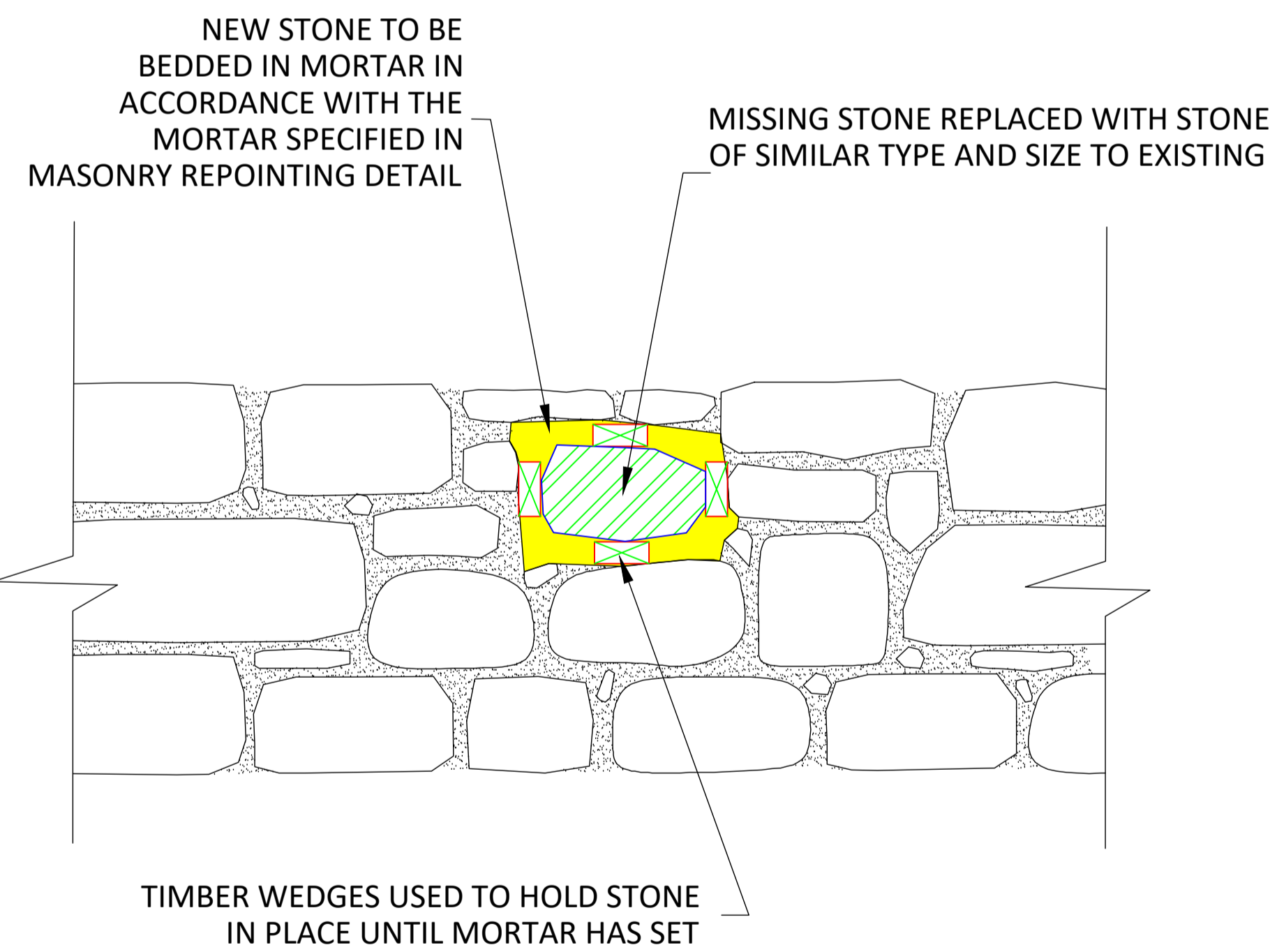
Scale: NTS



(1): REPAIR REQUIRED

## TYPICAL CROSS SECTION

SCALE: NTS



## TYPICAL ELEVATION ON WALL/ARCH

NTS

### GENERAL NOTES:

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6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL STRUCTURES IN THE TEMPORARY CASE DURING THE CONSTRUCTION.
7. WHERE CRACKING / DISTORTION OF A STRUCTURE HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER REMEDIATION, INCLUDING DRAWINGS AND MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM FUTURE INSPECTIONS AND TO FACILITATE LONG TERM MONITORING.

All new and repaired masonry works to comprise stone type and size to match existing stonework. Joint thickness and details of new/repaired masonry to match existing joints thickness and details. The maximum joint width shall be limited to 15mm where joint widths exceed 15mm pinning stones shall be used to reduce joint width. The contractor shall construct a 1mx1m trial panel of masonry adjacent to the works area for the employer's representative's approval. All new and repaired masonry works to be undertaken in accordance with the trial panel approved by the employer's representative.

### MASONRY REPLACEMENT

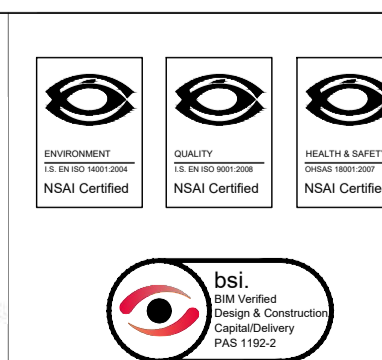
#### NOTES:

1. REPAIR REQUIRED WHERE THE CONDITIONS PRESENTED IN (1) ARE ENCOUNTERED AND WHERE THE EMPLOYER'S REPRESENTATIVE DEEMS IT NECESSARY TO BE CARRIED OUT. REFER TO BILL OF QUANTITIES FOR EXPECTED VOLUME OF MASONRY TO BE REPLACED.
2. REPAIR WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DETAILS PRESENTED ON THIS DRAWING AND TII STANDARD CONSTRUCTION DETAILS CC-SCD-02407-01.
3. ALL REPLACEMENT STONE TO COMPRISE OF SOUND RECLAIMED STONES ACCURATELY CUT AND DRESSED TO THE DIMENSIONS OF THE VOIDS. THE STYLE OF FINISH SHALL MATCH THE EXISTING.
4. CUTTING AWAY OF DAMAGED MASONRY SHALL NOT DISTURB THE SURROUNDING MASONRY WHICH SHALL BE SUPPORTED OR SHORED AS DEEMED APPROPRIATE BY THE EMPLOYER'S REPRESENTATIVE.
5. ONCE EXPOSED, THE BACKING OF THE REPAIR AREA SHALL BE CLEANED DOWN TO REMOVE ANY LOOSE MATERIAL.
6. THE REPLACEMENT STONE SHALL BE SET IN A BED OF MORTAR AND HELD IN PLACE USING TIMBER WEDGES AS REQUIRED UNTIL MORTAR HAS SET. JOINTS TO BE FULLY POINTED WHEN TIMBER WEDGES HAVE BEEN REMOVED.
7. ALL MORTAR FOR BEDDING AND POINTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THOSE IN THE MASONRY REPOINTING DETAIL.

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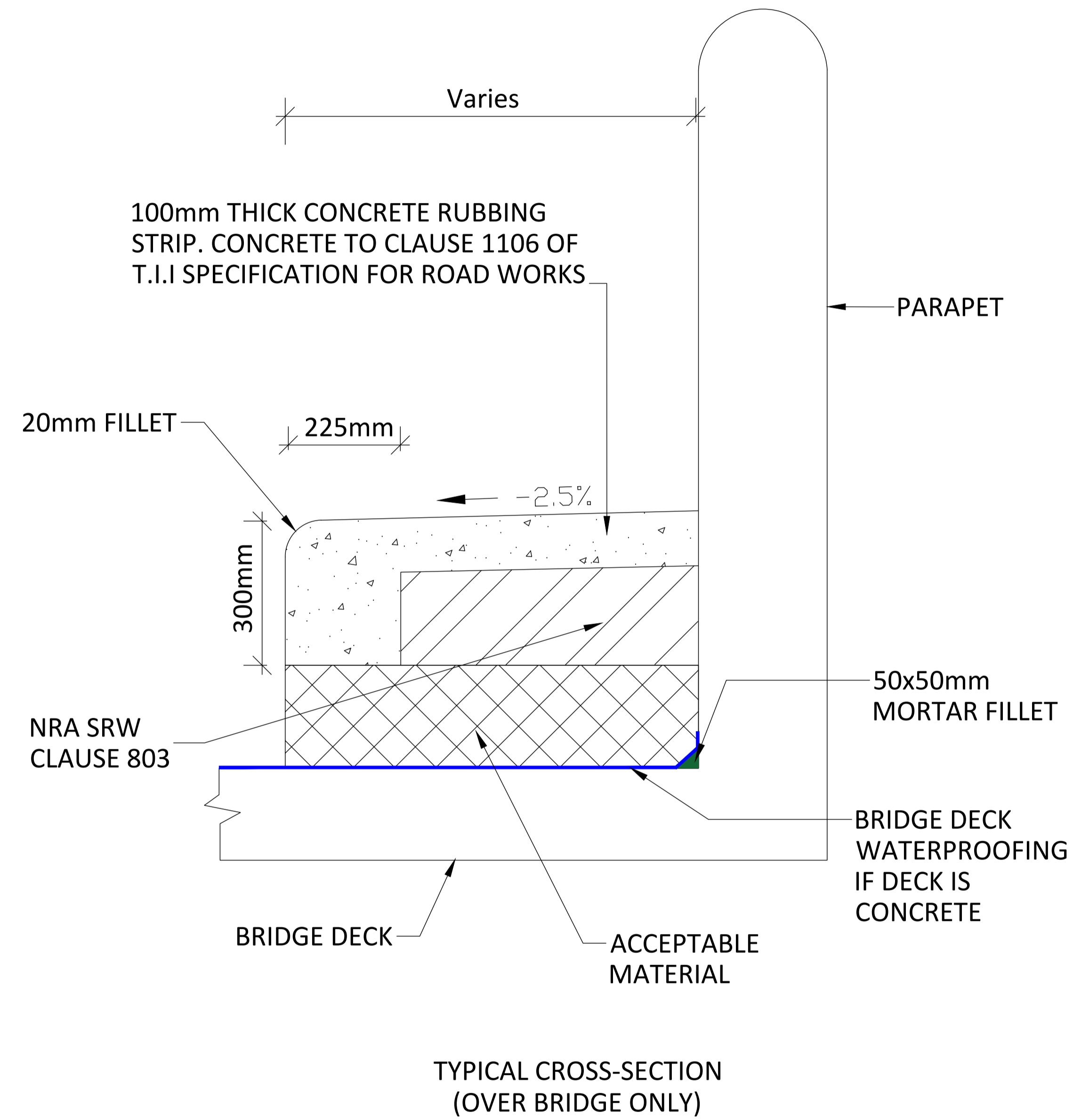


Client:	Kildare County Council							
Project:	Kildare County Council Bridge Remediation 2021, Contract 2							
Title:	Kildare Bridges Repair Details - Masonry Repair Missing Masonry Replacement							
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0003	A3	C01
Date:	30.06.21 Scale:NTS @ A1 Drn by:NG Chkd by:BH Aprvd by:BO'R							

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# DETAIL 6: CONCRETE RUBBING STRIP INSTALLATION

Scale: NTS



## GENERAL NOTES:

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7. WHERE CRACKING / DISTORTION OF A STRUCTURE HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER REMEDIATION, INCLUDING DRAWINGS AND MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM FUTURE INSPECTIONS AND TO FACILITATE LONG TERM MONITORING.

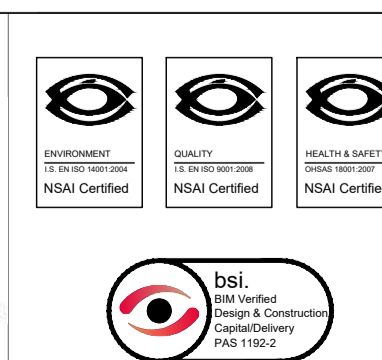
## STRIP NOTES:

1. WHERE REQUIRED, CONCRETE RUBBING STRIPS SHALL BE PROVIDED AT BOTH SIDES OF THE CARRIAGEWAY TO REPLACE EXISTING GRASS VERGES PREVENTING WATER INGRESS DOWN TO THE ARCH BARREL.
2. CONCRETE RUBBING STRIP SHALL BE LAID WITH A FALL OF 2.5% TO ENSURE POSITIVE DRAINAGE.
3. SEE DETAIL EXISTING SURFACE TIE IN TO CONCRETE RUBBING STRIP FOR ROAD BUILDUP.
4. IT MAY BE NECESSARY TO WIDEN THE CARRIAGEWAY LOCALLY AT THE RUBBING STRIPS TO SEAL OVER THE ARCH BARREL. REFER TO DETAIL ON EXISTING SURFACE TIE IN TO CONCRETE RUBBING STRIP FOR DETAILS ON CARRIAGEWAY WIDENING. THE CARRIAGEWAY SHALL BE WIDENED IN THE RANGE OF 500mm - 300mm

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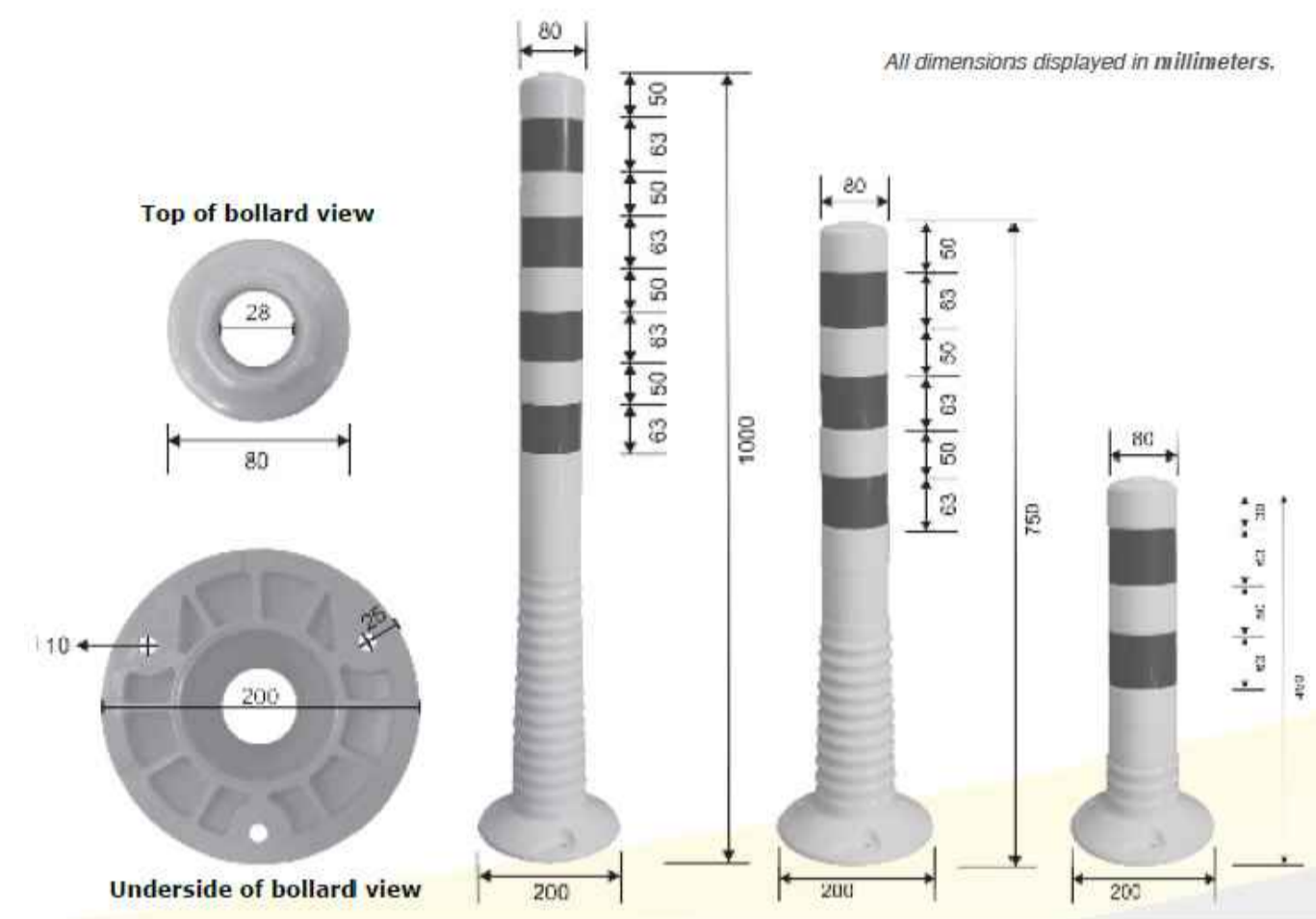
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Client:	Kildare County Council							
Project:	Kildare County Council Bridge Remediation 2021, Contract 2							
Title:	Kildare Bridges Repair Details Concrete Rubbing Strip							
Code	Originator	Zone	Level	Type	Role	Number	Status	Revision
K454	OCSC	Z6	XX	DR	C	0004	A3	C01
Date:	30.06.21 Scale:NTS @ A1 Drn by:NG Chkd by:BH Aprvd by:BO'R							

# DETAIL 22: FLEXIBLE BOLLARDS

Scale: NTS



## GENERAL NOTES:

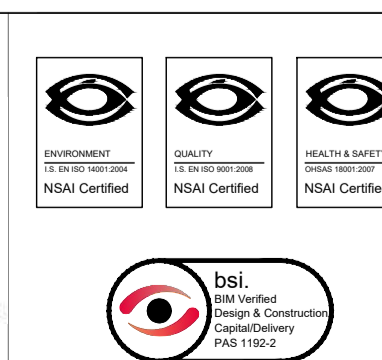
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Height	1000mm	750mm	450mm
Top Diameter	ø 80mm		
Bottom Diameter	ø 200mm		
Material	100% Polyurethane		
Weight	1.54kg	1.28kg	0.98kg
Reflective Bands	4	3	2
Fixings	M10 x 110mm coachscrew and rawplug (x 3 required) (included)		
Additional Features	Heat resistance between -20C to +60C		

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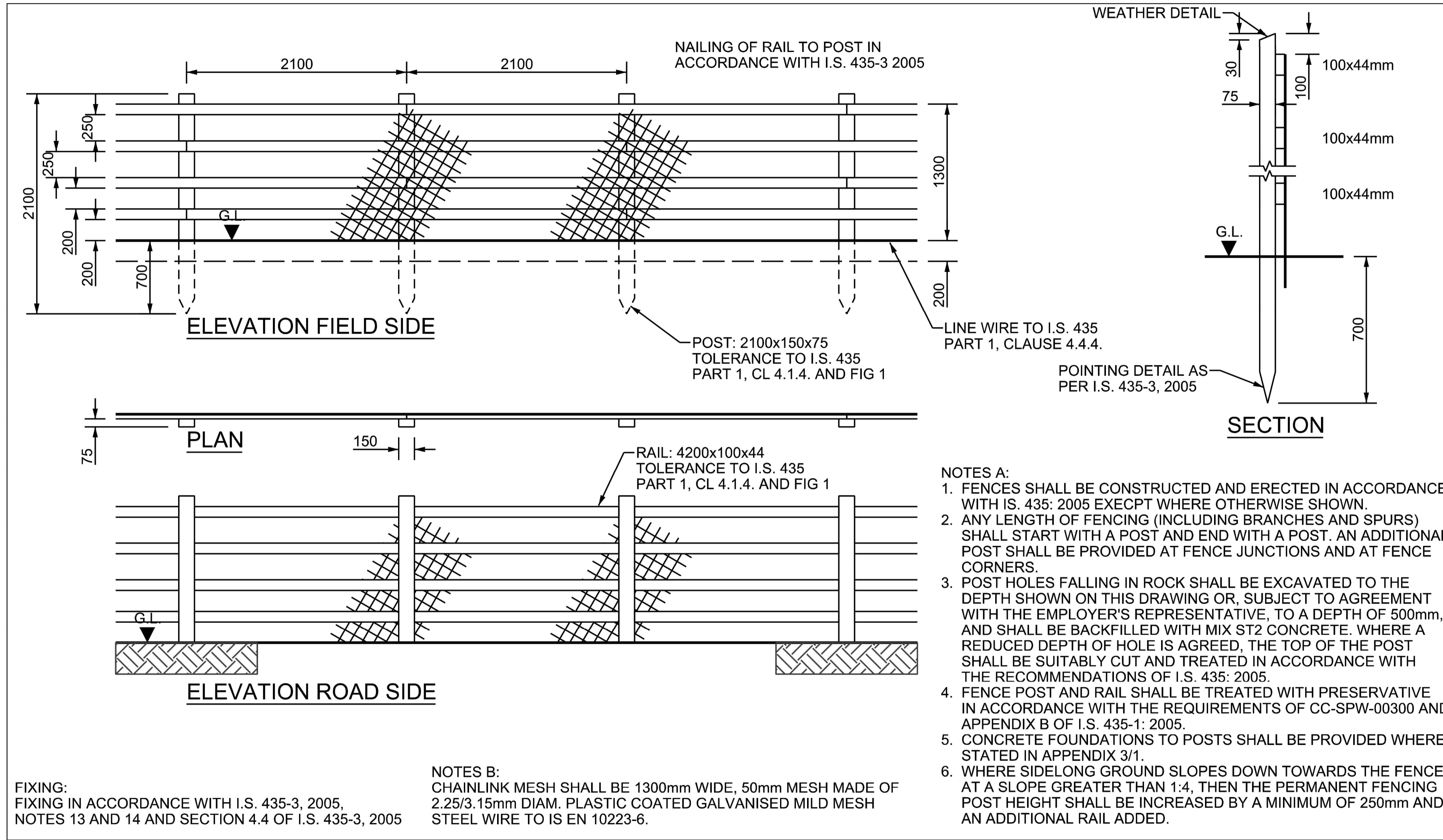
Client: Kildare County Council  
Project: Kildare County Council Bridge Remediation 2021, Contract 2  
Title: Kildare Bridges Flexible Bollards

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision  
K454 · OCSC · Z6 · XX · DR · C · 0005 | A3 | C01

Date: 30.06.21 Scale: NTS @ A1 Drn by: NG Chkd by: BH Aprvd by: BO'R

# DETAIL 23: TIMBER FENCE DETAILS

Scale: NTS



- NOTES A:**
- FENCES SHALL BE CONSTRUCTED AND ERECTED IN ACCORDANCE WITH IS. 435: 2005 EXCEPT WHERE OTHERWISE SHOWN.
  - ANY LENGTH OF FENCING (INCLUDING BRANCHES AND SPURS) SHALL START WITH A POST AND END WITH A POST. AN ADDITIONAL POST SHALL BE PROVIDED AT FENCE JUNCTIONS AND AT FENCE CORNERS.
  - POST HOLES FALLING IN ROCK SHALL BE EXCAVATED TO THE DEPTH SHOWN ON THIS DRAWING OR, SUBJECT TO AGREEMENT WITH THE EMPLOYER'S REPRESENTATIVE, TO A DEPTH OF 500mm, AND SHALL BE BACKFILLED WITH MIX ST2 CONCRETE. WHERE A REDUCED DEPTH OF HOLE IS AGREED, THE TOP OF THE POST SHALL BE SUITABLY CUT AND TREATED IN ACCORDANCE WITH THE RECOMMENDATIONS OF I.S. 435: 2005.
  - FENCE POST AND RAIL SHALL BE TREATED WITH PRESERVATIVE IN ACCORDANCE WITH THE REQUIREMENTS OF CC-SPW-00300 AND APPENDIX B OF I.S. 435-1: 2005.
  - CONCRETE FOUNDATIONS TO POSTS SHALL BE PROVIDED WHERE STATED IN APPENDIX 3/1.
  - WHERE SIDELONG GROUND SLOPES DOWN TOWARDS THE FENCE AT A SLOPE GREATER THAN 1:4, THEN THE PERMANENT FENCING POST HEIGHT SHALL BE INCREASED BY A MINIMUM OF 250mm AND AN ADDITIONAL RAIL ADDED.
- NOTES B:**
- CHAINLINK MESH SHALL BE 1300mm WIDE, 50mm MESH MADE OF 2.25/3.15mm DIAM. PLASTIC COATED GALVANISED MILD MESH STEEL WIRE TO IS EN 10223-6.


**FIXING:**  
FIXING IN ACCORDANCE WITH I.S. 435-3, 2005, NOTES 13 AND 14 AND SECTION 4.4 OF I.S. 435-3, 2005

## GENERAL NOTES:

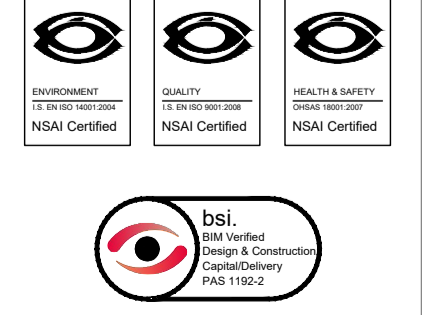
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING SHALL BE USED FOR THE DESIGN ELEMENT NOTED ONLY.
- ALL STRUCTURES SHALL BE CLEANED USING A HIGH PRESSURE WATER JET TO REMOVE ALL DIRT; SURFACE DEPOSITS AND VEGETATION FROM THE SURFACE OF THE STRUCTURE.
- ALL REPAIR WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT DRAWING AND SPECIFICATION AND TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL STRUCTURES IN THE TEMPORARY CASE DURING THE CONSTRUCTION.
- WHERE CRACKING / DISTORTION OF A STRUCTURE HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER REMEDIATION, INCLUDING DRAWINGS AND MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM FUTURE INSPECTIONS AND TO FACILITATE LONG TERM MONITORING.

• FOR SETTING OUT REFER TO ENGINEER'S DRAWINGS.  
• THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.  
• DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY.  
• NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF O'CONNOR SUTTON CRONIN AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED.

Rev No.	Date	Revision Note	Drn by	Chkd by	Rev No.	Date	Revision Note	Drn by	Chkd by
C01	02.07.21	SUITABLE FOR TENDER	NG	BH					




Kildare County Council  
Comhairle Contae Chill Dara



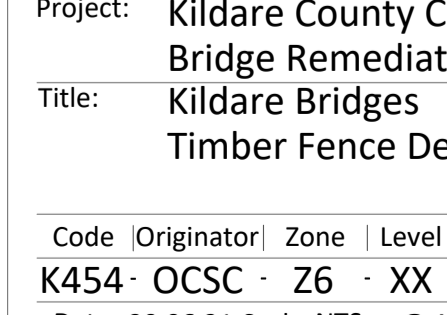
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Client: Kildare County Council  
Project: Kildare County Council  
Bridge Remediation 2021, Contract 2  
Title: Kildare Bridges  
Timber Fence Details

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision  
K454 · OCSC · Z6 · XX · DR · C · 0006 | A3 | C01

Date: 30.06.21 Scale: NTS @ A1 Drn by: NG Chkd by: BH Aprvd by: BO'R