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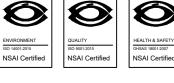
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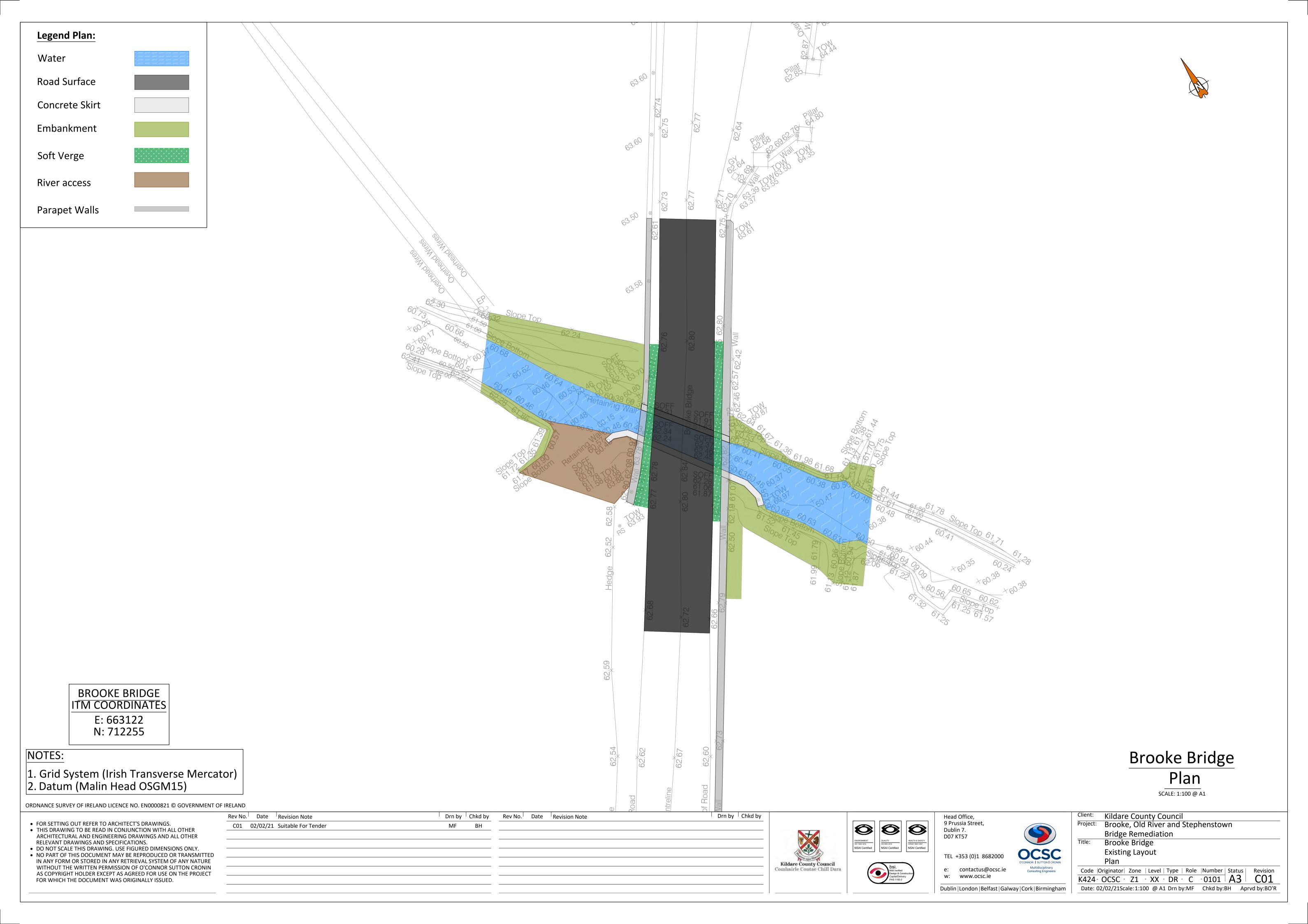
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Head Office,

Client: Kildare County Council Project: Brooke Bridge

Bridge Remediation
Brooke Bridge Site Location Map

Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424- OCSC - Z1 - XX - DR - C -0100 A3 C01 Dublin | London | Belfast | Galway | Cork | Birmingham Date: 02/02/21Scale: Shown @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R



Legend Elevation: Water Earth Concrete Skirt 000000000000000000 Parapet Copping Masonry Surface **Arch Voussoirs** Vegetation **Road Level**

Brooke Bridge Upstream Elevation SCALE: 1:75 @ A1

TOW = Top of Wall

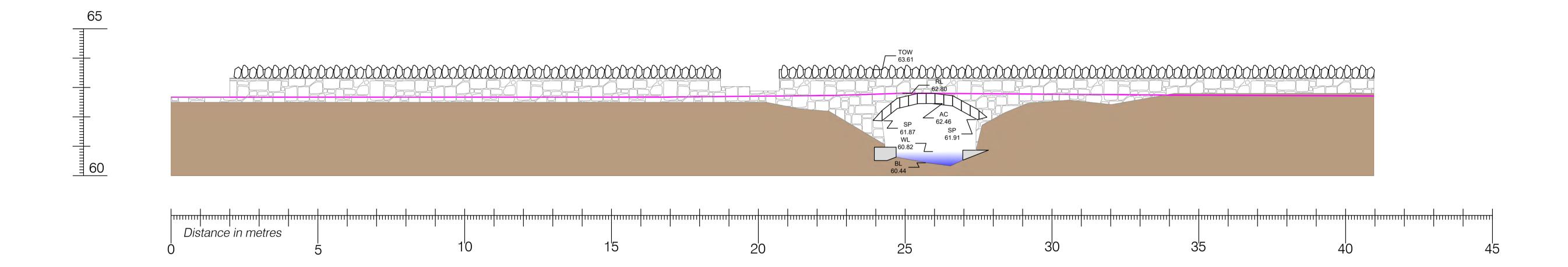
BL = Bed Level

AC = Arch Crown

WL = Water Level

SP = Springing Point

RL = Road Level



NOTES:

1. Grid System (Irish Transverse Mercator) 2. Datum (Malin Head OSGM15)

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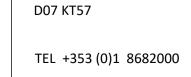
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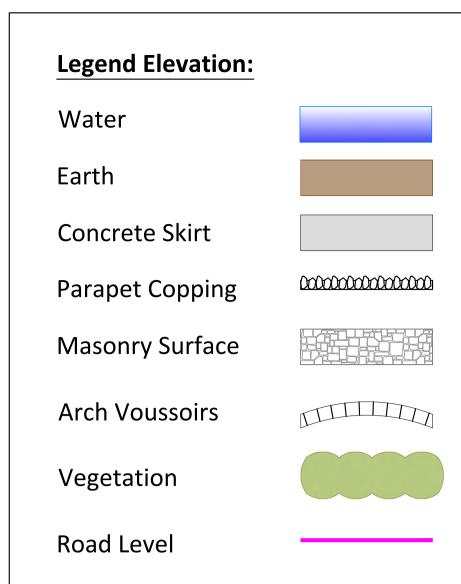
Dublin | London | Belfast | Galway | Cork | Birmingham

Client: Kildare County Council Project: Brooke, Old River and Stephenstown **Bridge Remediation**

Brooke Bridge **Existing Layout**

Upstream Elevation Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · Z1 · XX · DR · C · 0102 A3 C01

Date: 02/02/21Scale:1:75 @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R



Brooke Bridge Downstream Elevation SCALE: 1:50 @ A1

TOW = Top of Wall

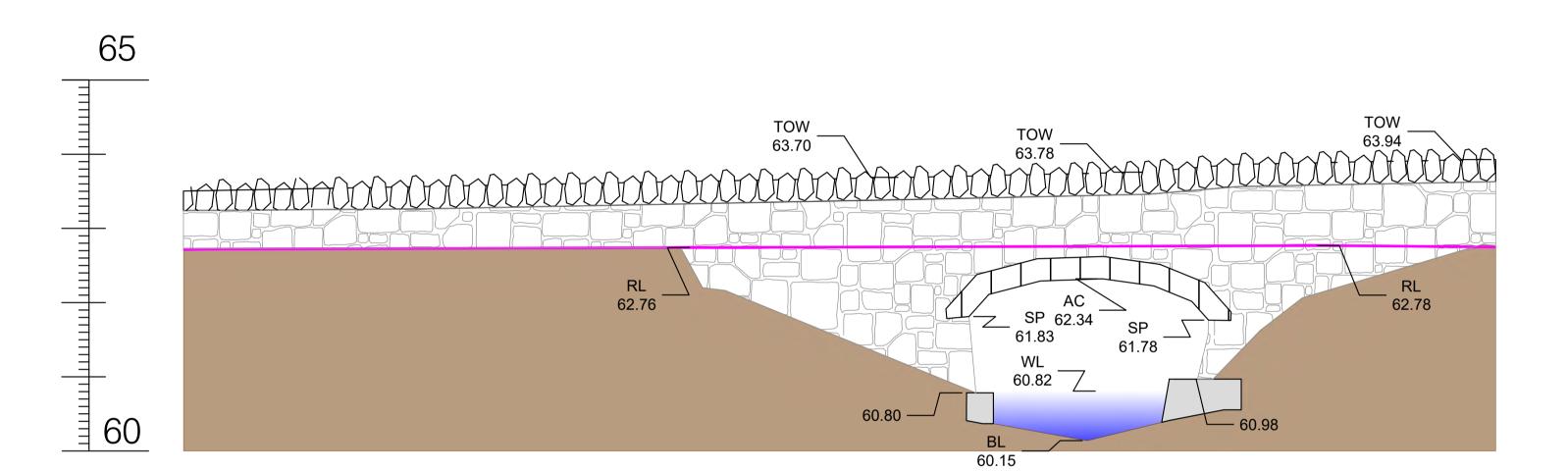
BL = Bed Level

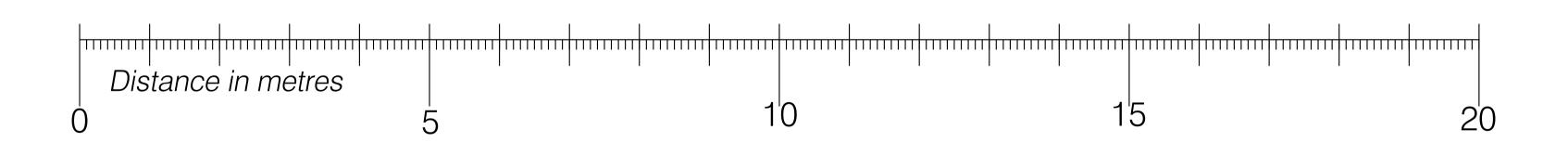
AC = Arch Crown

WL = Water Level

SP = Springing Point

RL = Road Level





NOTES:

1. Grid System (Irish Transverse Mercator)

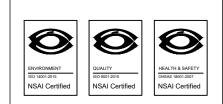
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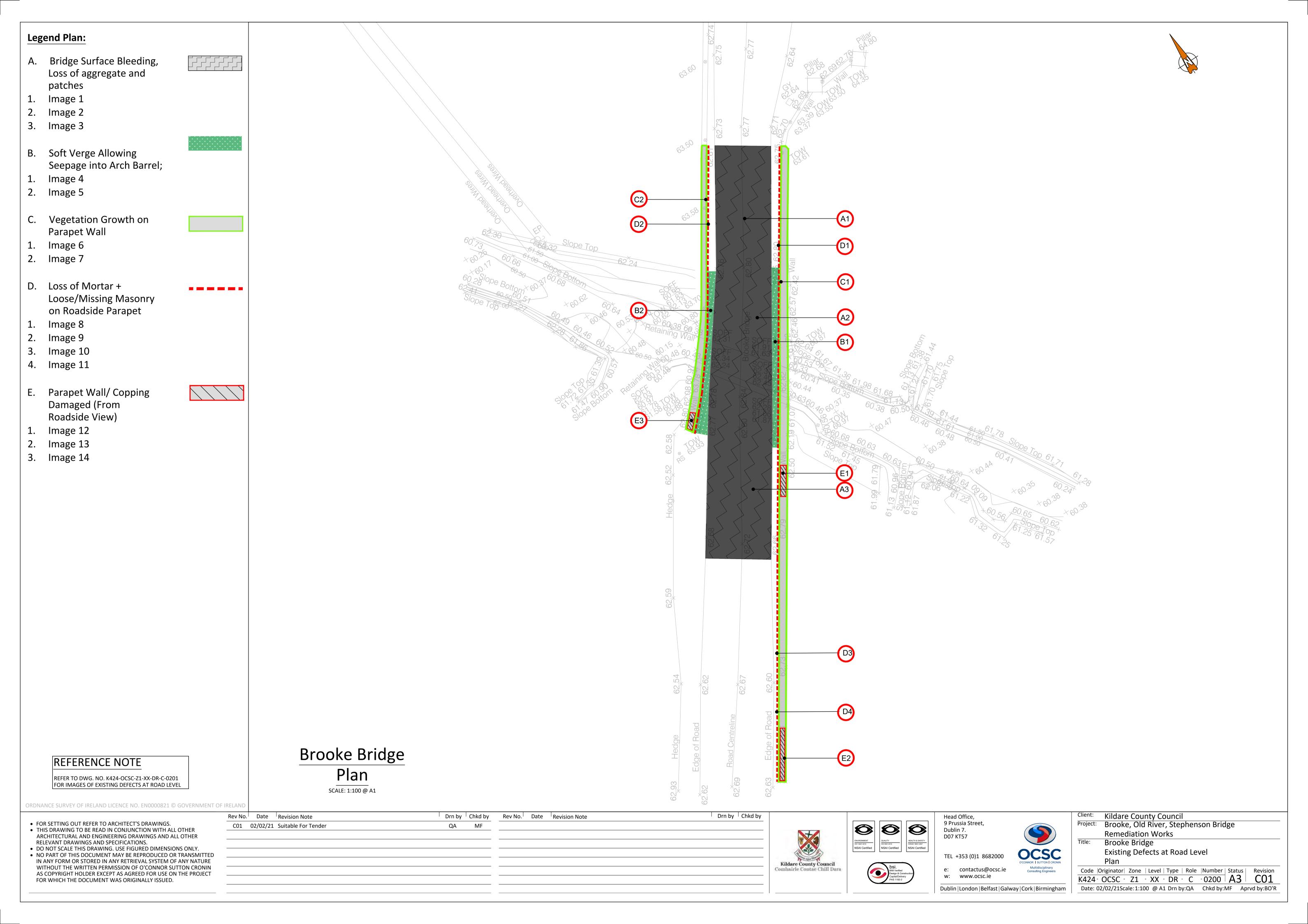
Client: Kildare County Council
Project: Brooke, Old River and Stephenstown Bridge Remediation

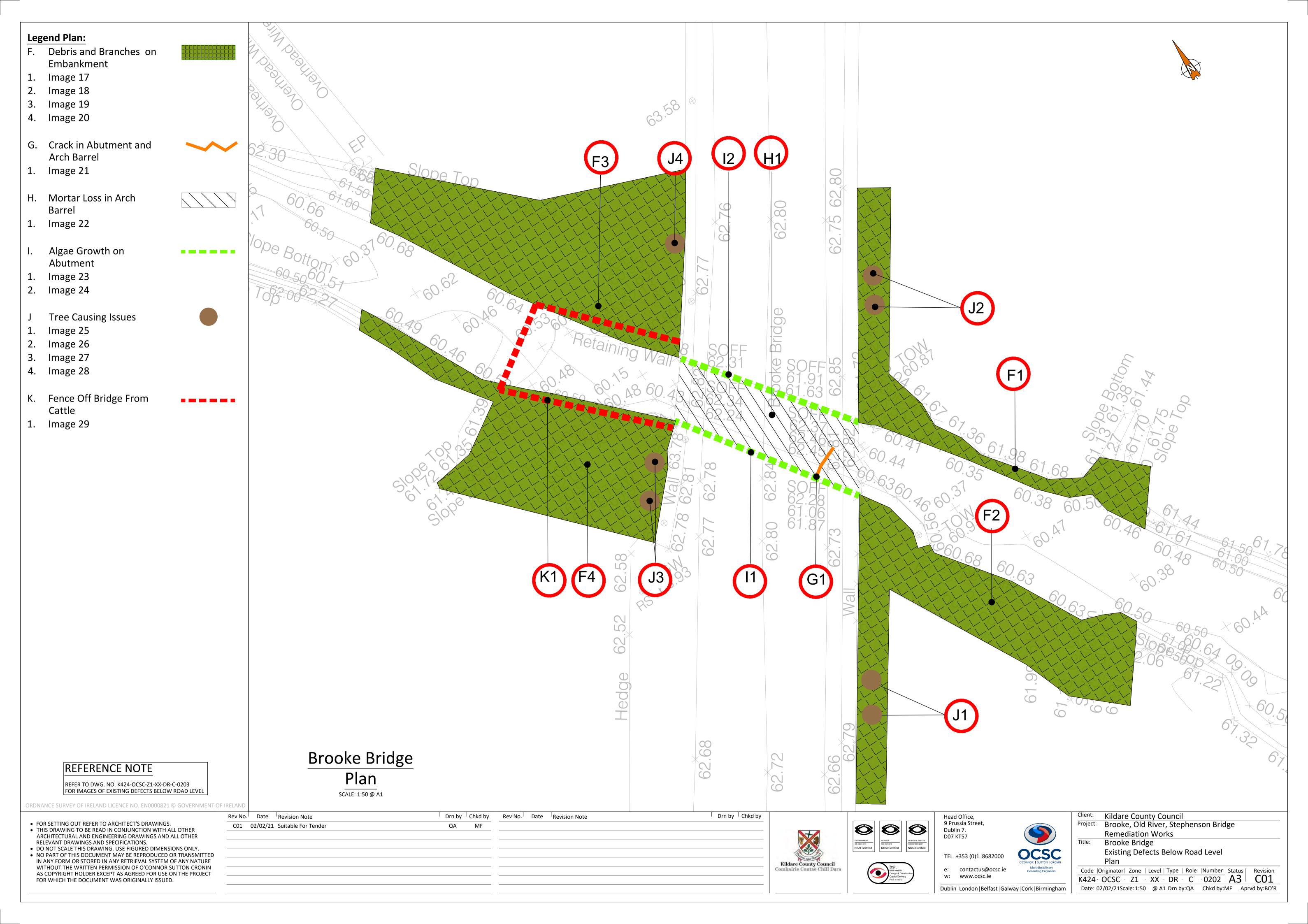
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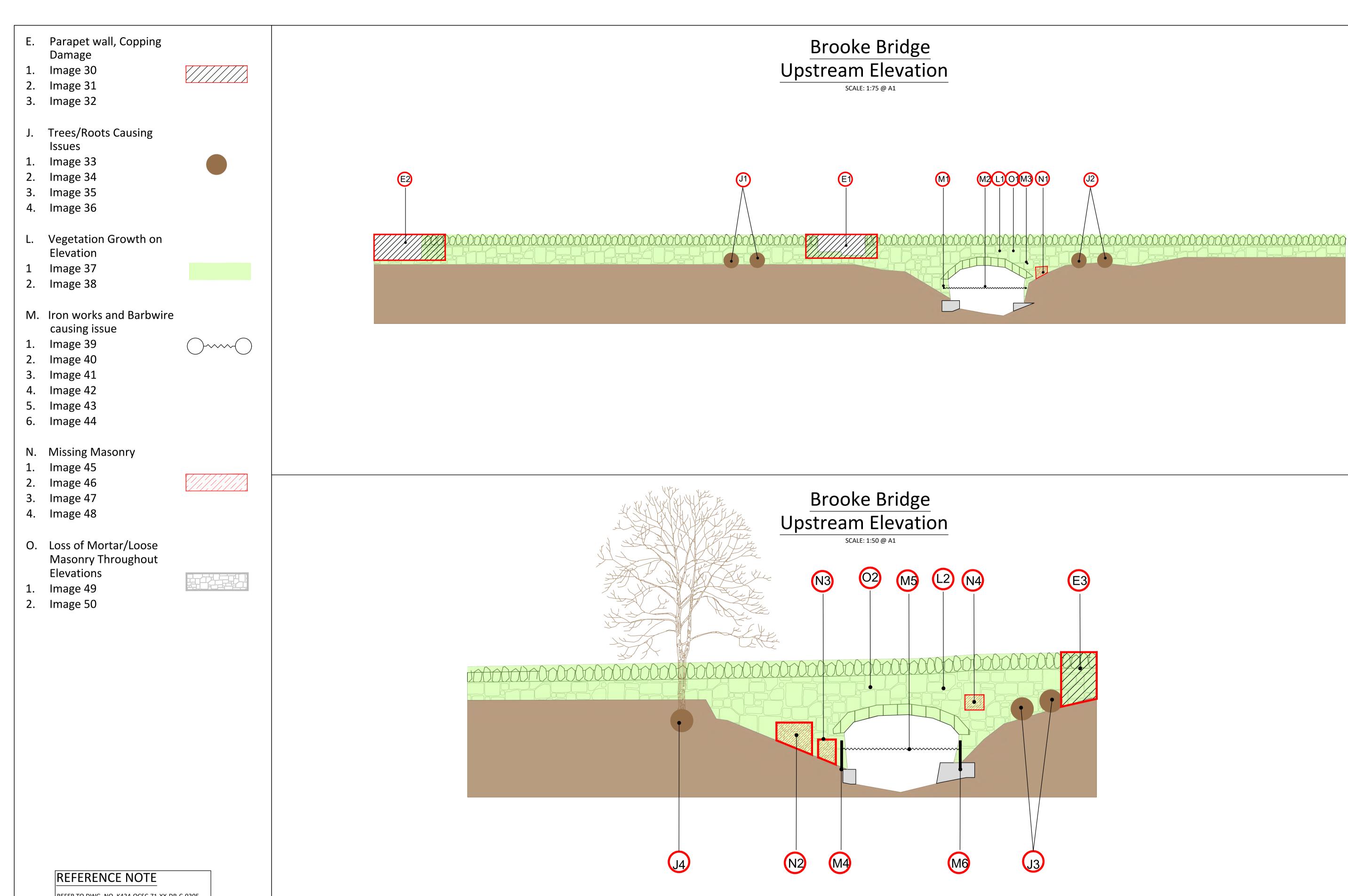
Existing Layout

Downstream Elevation Code |Originator| Zone | Level | Type | Role |Number | Status | Revision

w: www.ocsc.ie K424 · OCSC · Z1 · XX · DR · C · 0103 A3 C01 Date: 02/02/21Scale:1:50 @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R Dublin | London | Belfast | Galway | Cork | Birmingham







REFER TO DWG. NO. K424-OCSC-Z1-XX-DR-C-0205 FOR IMAGES OF EXISTING DEFECTS AT ELEVATIONS

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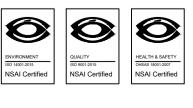
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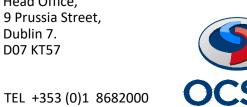
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K424 OCSC - Z1 - XX - DR - C - 0204 A3 C01

Client: Kildare County Council Project: Brooke, Old River, Stephenson Bridge Remediation Works Brooke Bridge **Existing Defects** at Elevations Code |Originator| Zone | Level | Type | Role |Number | Status | Revision

Date: 02/02/21Scale: Shown @ A1 Drn by: QA Chkd by: MF Aprvd by: BO'R

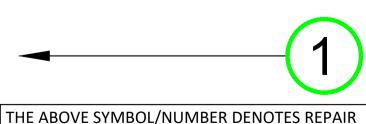
REPAIR DETAILS **VEGETATION REMOVAL** MASONRY REPOINTING MASONRY REPAIR: MISSING STONE REPLACEMENT 4a. MASONRY PARAPET WALL REPAIR, TAKE DOWN PARAPET AND REBUILD USING EXISTING MATERIAL 4b. MASONRY PARAPET WALL REPAIR, REBUILD PARAPET USING MATERIAL SIMILAR TO EXISTING MASONRY STRUCTURE REPAIR CONCRETE RUBBING STRIP INSTALLATION INTEGRATED STAINLESS STEEL DRAIN IN CONCRETE **RUBBING STRIP**

- 8. EXISTING SURFACE TIE IN TO CONCRETE RUBBING STRIP (LONGITUDINAL JOINT)
- 9. EXISTING SURFACE TO NEW SURFACE TIE IN (TRANSVERSE JOINTS)
- 10. REPLACEMENT OF DAMAGED ROAD SURFACE
- 11. RAISE ROAD LEVEL BY A MINIMUM OF 100mm OVER ARCH BARREL USING TYPICAL ROAD BUILDUP DETAIL.
- 12. SCOUR PROTECTION CONCRETE CANVAS INSTALLATION
- 13. STITCH REPAIR TO CRACK IN ARCH BARREL

NOTE: REFER TO DRAWINGS K424-OCSC-XX-XX-0001-0013 FOR ABOVE REPAIR DETAILS

OTHER REPAIRS

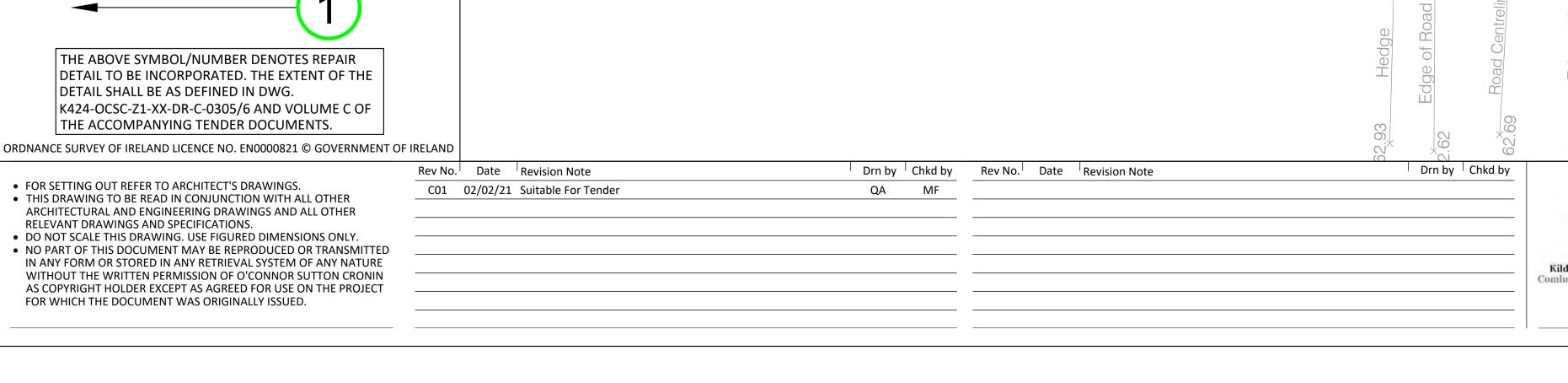
- 14. VEGETATION REMOVAL & DISPOSAL FROM OVERGROWN EMBANKMENTS. VEGETATION TO BE REMOVED ALONG A 10m LENGTH EXTENDING FROM THE ELEVATION FACES
- 15. REGRADE SOFT VERGE TO TIE IN TO CONCRETE RUBBING STRIP
- 16. INSTALL MINIMUM 5m FENCING AT END OF PARAPET TO CLOSE GAP WITH HEDGE. FENCING, TIMBER POST AND TENSION MESH STUD FENCE TO CC-SCD-00321. TIMBER POSTS TO BE TREATED WITH DARK STAIN OR CREOSOTE
- 17. 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 - STONE REPLACEMENT
- 18. REBEDDING OF COPPING STONES AFTER VEGETATION REMOVAL, REFER TO DETAIL 4 FOR STONE REPLACEMENT AND DETAIL 5 FOR MASONRY PARAPET WALL REPAIR
- 19. BREAK OUT PLASTER COPPING REPAIR AND REPLACE WITH MASONRY COPPING THAT MATCHES THE REST. REFER TO DETAIL 5 FOR PARAPET WALL REPAIR
- 20. REMOVE AND DISPOSE OF GATE BLOCKING SPAN
- 21. DEBRIS REMOVAL FROM RIVER
- 22. ERECT TIMBER POST AND WIRE MESH FENCING TO BLOCK LIVESTOCK. TIMBER POST AND TENSION MESH STUD FENCE TO CC-SCD-00321. TIMBER POSTS TO BE TREATED WITH DARK STAIN OR CREOSOTE
- 23. REMOVE IRONWORK AND WIRE LODGED BETWEEN **MASONRY**
- 24. RAISE MASONRY PARAPET BY 200mm. REFER TO DETAIL 5 FOR REBUILDING OF PARAPET WALL DETAIL



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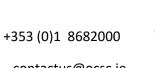


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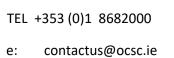




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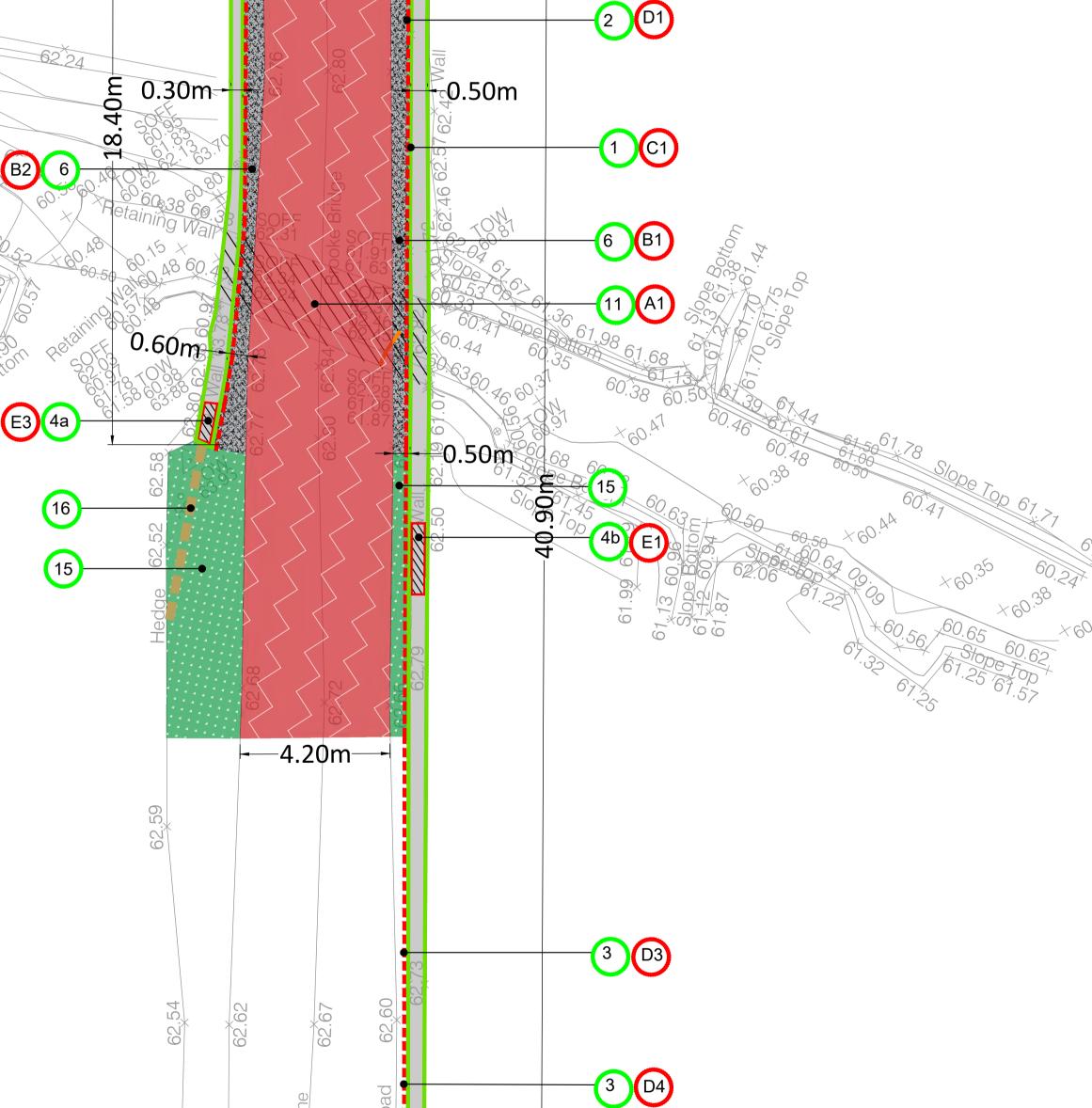


Client: Kildare County Council Project: Brooke, Old River, Stephenson Bridge **Remediation Works**

Brooke Bridge

Remedial Works at Road Level

Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · Z1 · XX · DR · C · 0300 A3 C01 Date: 02/02/21Scale: 1:100 @ A1 Drn by:QA Chkd by:MF Aprvd by:BO'R/BH



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C2 1

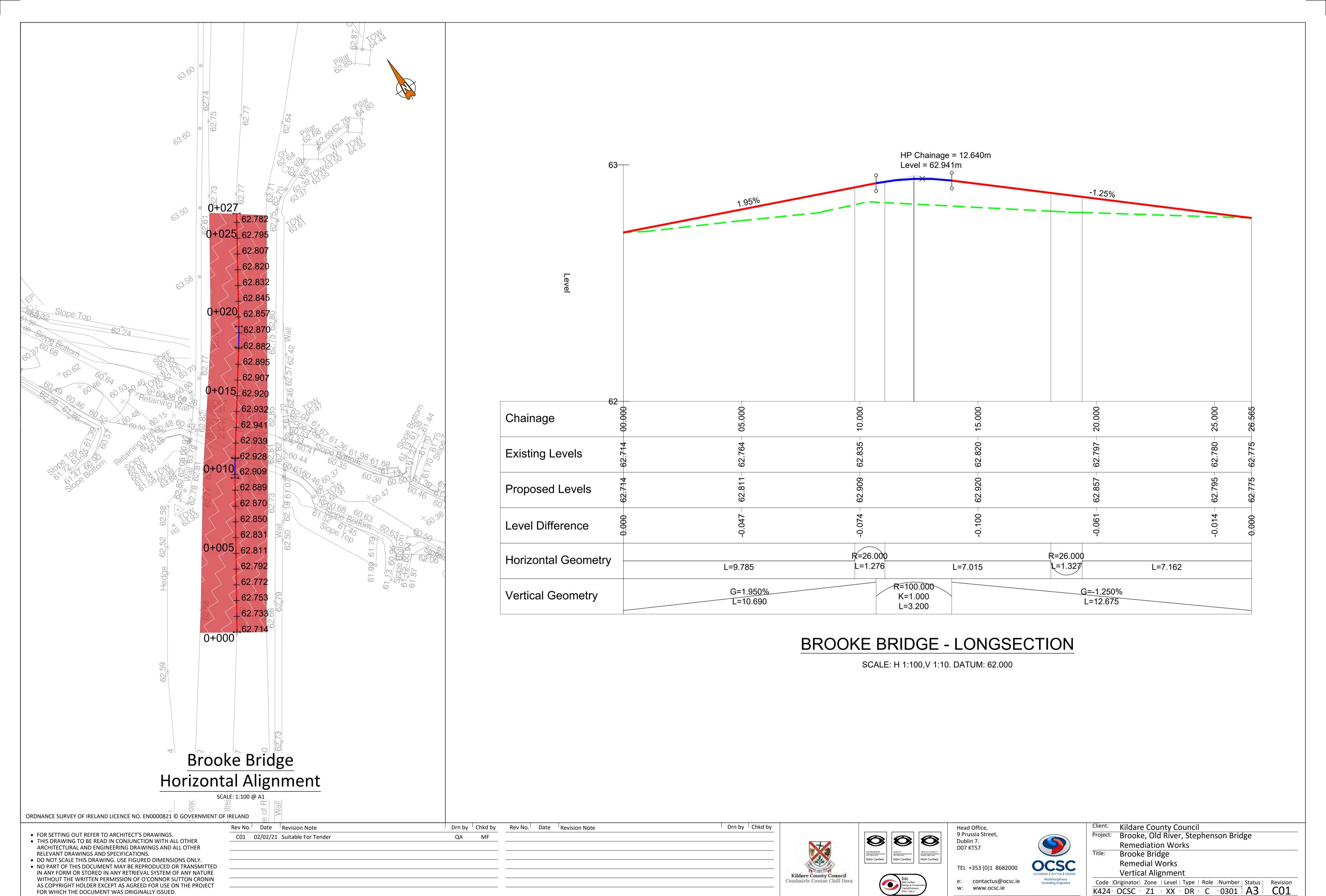
՝ 3.60m→

0.70m

0.50m -

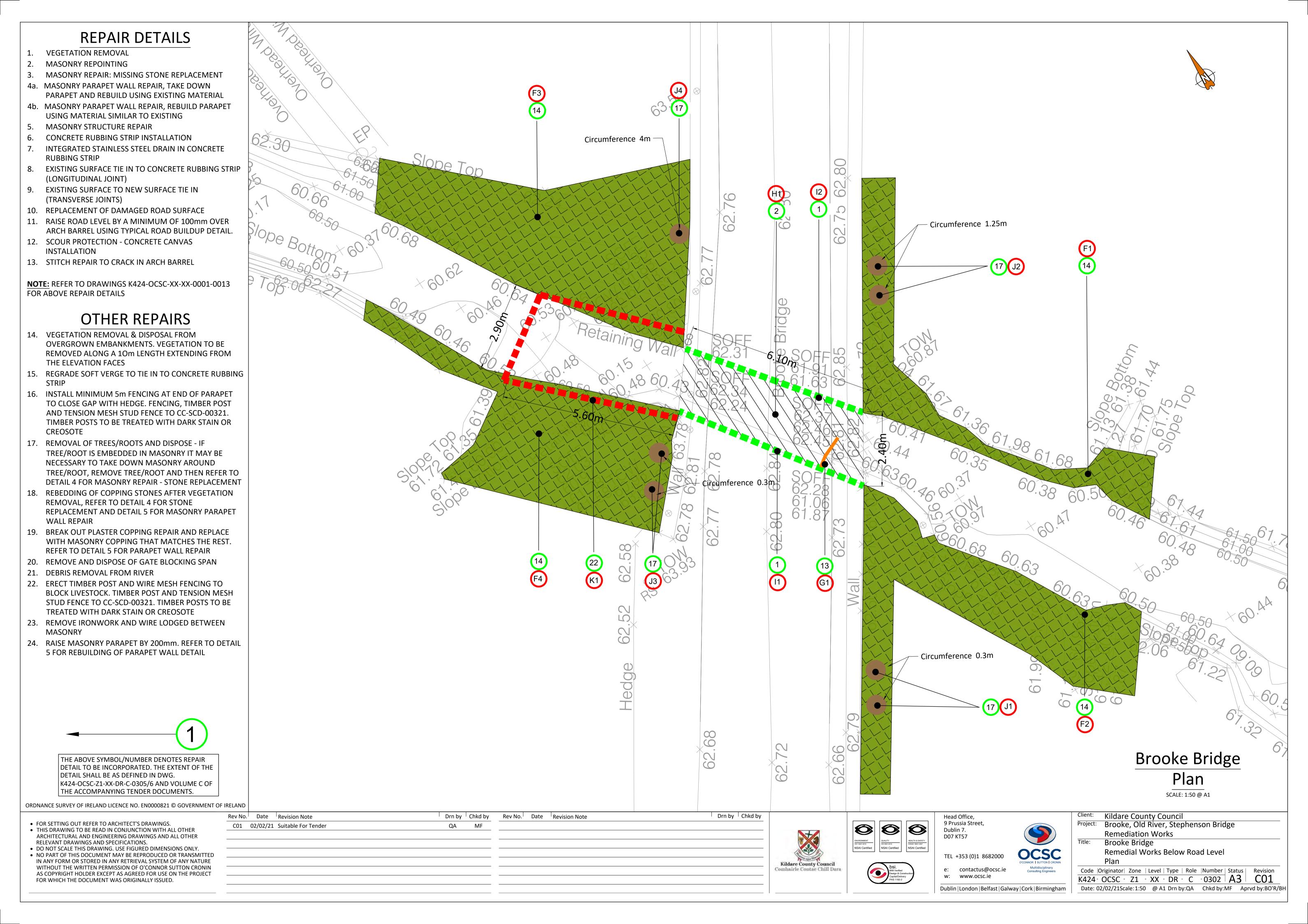
Brooke Bridge Plan

SCALE: 1:100 @ A1



Date: 02/02/21Scale:1:100 @ A1 Drn by:QA Chkd by:MF Aprvd by:BO'R/BH

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REPAIR DETAILS

- 1. VEGETATION REMOVAL
- MASONRY REPOINTING
- MASONRY REPAIR: MISSING STONE REPLACEMENT
- 4a. MASONRY PARAPET WALL REPAIR, TAKE DOWN PARAPET AND REBUILD USING EXISTING MATERIAL
- 4b. MASONRY PARAPET WALL REPAIR, REBUILD PARAPET USING MATERIAL SIMILAR TO EXISTING
- 5. MASONRY STRUCTURE REPAIR
- CONCRETE RUBBING STRIP INSTALLATION
- INTEGRATED STAINLESS STEEL DRAIN IN CONCRETE **RUBBING STRIP**
- 8. EXISTING SURFACE TIE IN TO CONCRETE RUBBING STRIP (LONGITUDINAL JOINT)
- 9. EXISTING SURFACE TO NEW SURFACE TIE IN (TRANSVERSE JOINTS)
- 10. REPLACEMENT OF DAMAGED ROAD SURFACE
- 11. RAISE ROAD LEVEL BY A MINIMUM OF 100mm OVER ARCH BARREL USING TYPICAL ROAD BUILDUP DETAIL.
- 12. SCOUR PROTECTION CONCRETE CANVAS INSTALLATION
- 13. STITCH REPAIR TO CRACK IN ARCH BARREL

NOTE: REFER TO DRAWINGS K424-OCSC-XX-XX-0001-0013 FOR ABOVE REPAIR DETAILS

OTHER REPAIRS

- 14. VEGETATION REMOVAL & DISPOSAL FROM OVERGROWN EMBANKMENTS. VEGETATION TO BE REMOVED ALONG A 10m LENGTH EXTENDING FROM THE ELEVATION FACES
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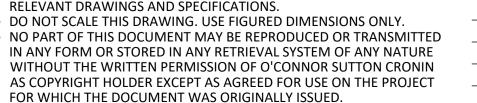


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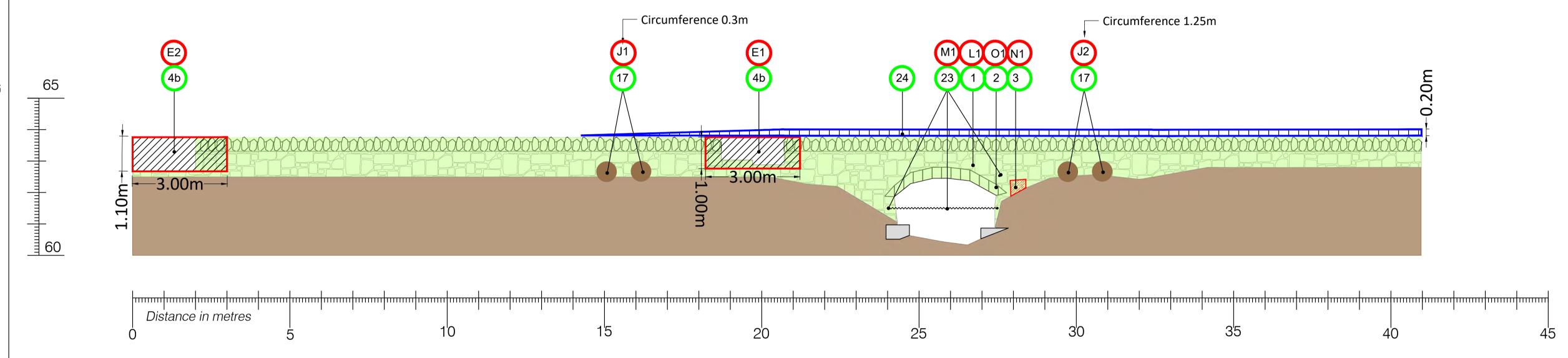
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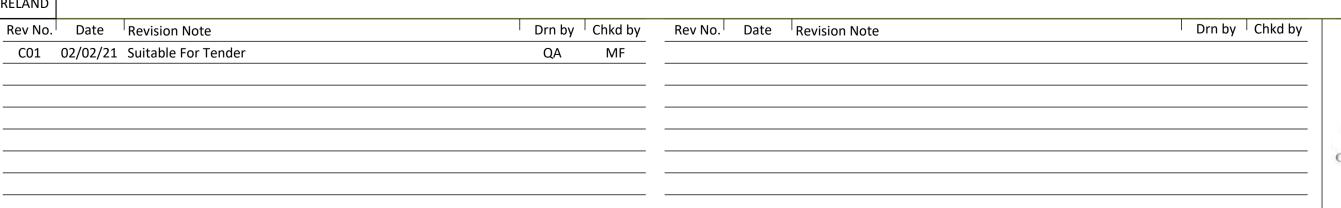
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Brooke Bridge Upstream Elevation SCALE: 1:75 @ A1

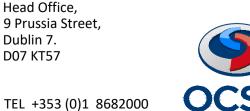












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OCSC

Remediation Works Brooke Bridge Remedial Works at Elevation Upstream Elevation

Project: Brooke, Old River, Stephenson Bridge

Client: Kildare County Council

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision K424 · OCSC · Z1 · XX · DR · C · 0303 A3 C01 Date: 02/02/21Scale: 1:75 @ A1 Drn by:QA Chkd by:MF Aprvd by:BO'R/BH

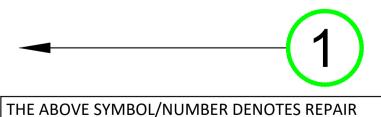
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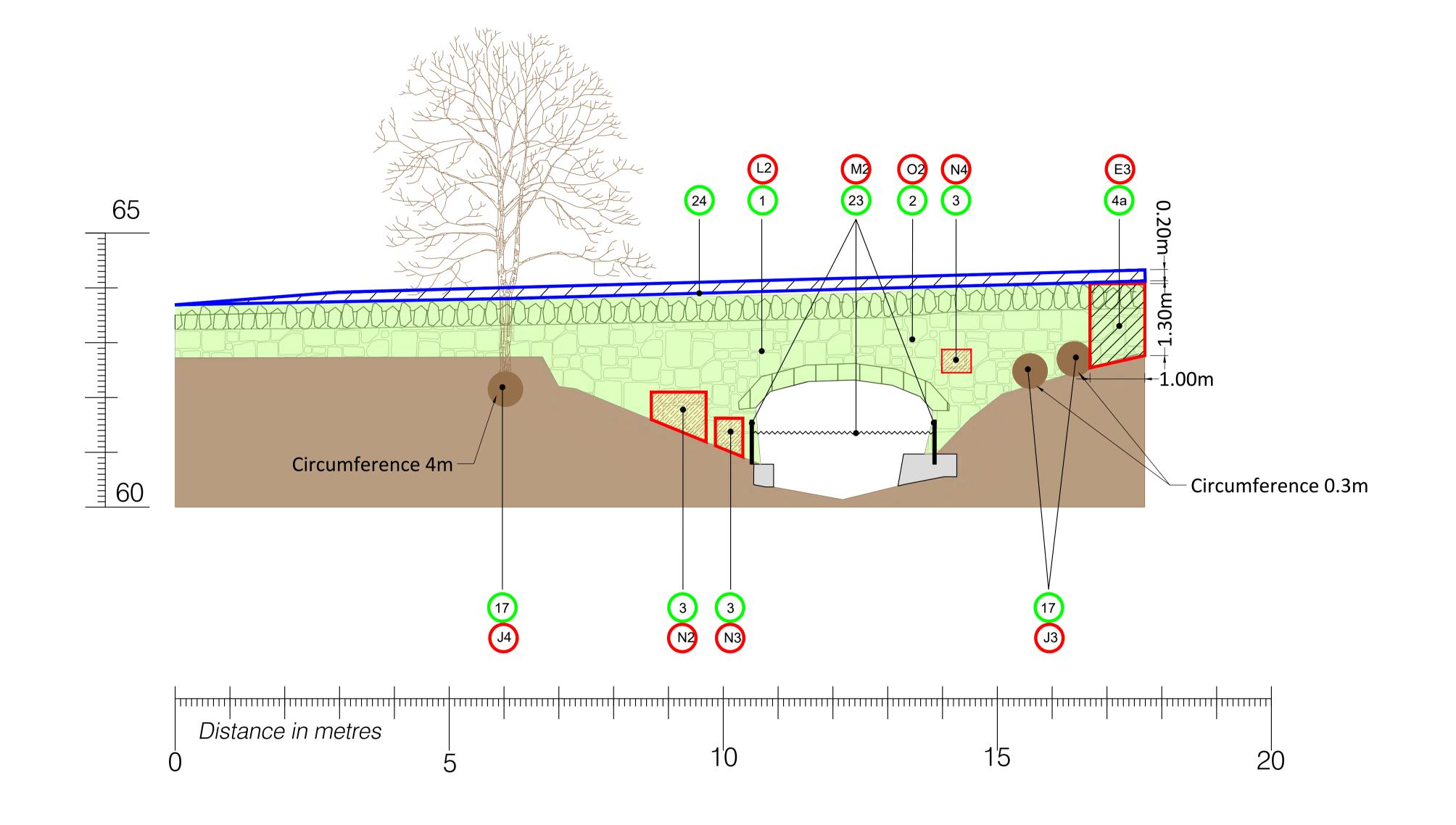
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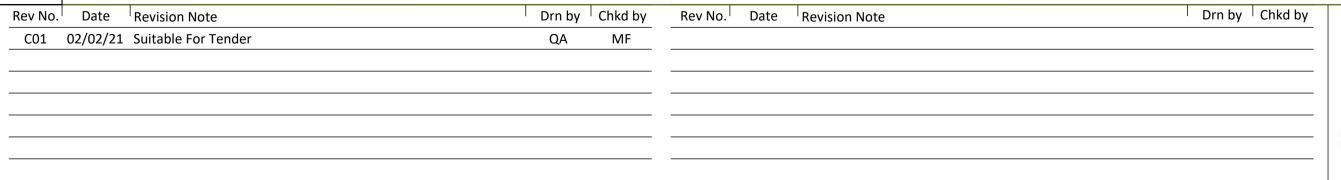
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Brooke Bridge Downstream Elevation

SCALE: 1:50 @ A1











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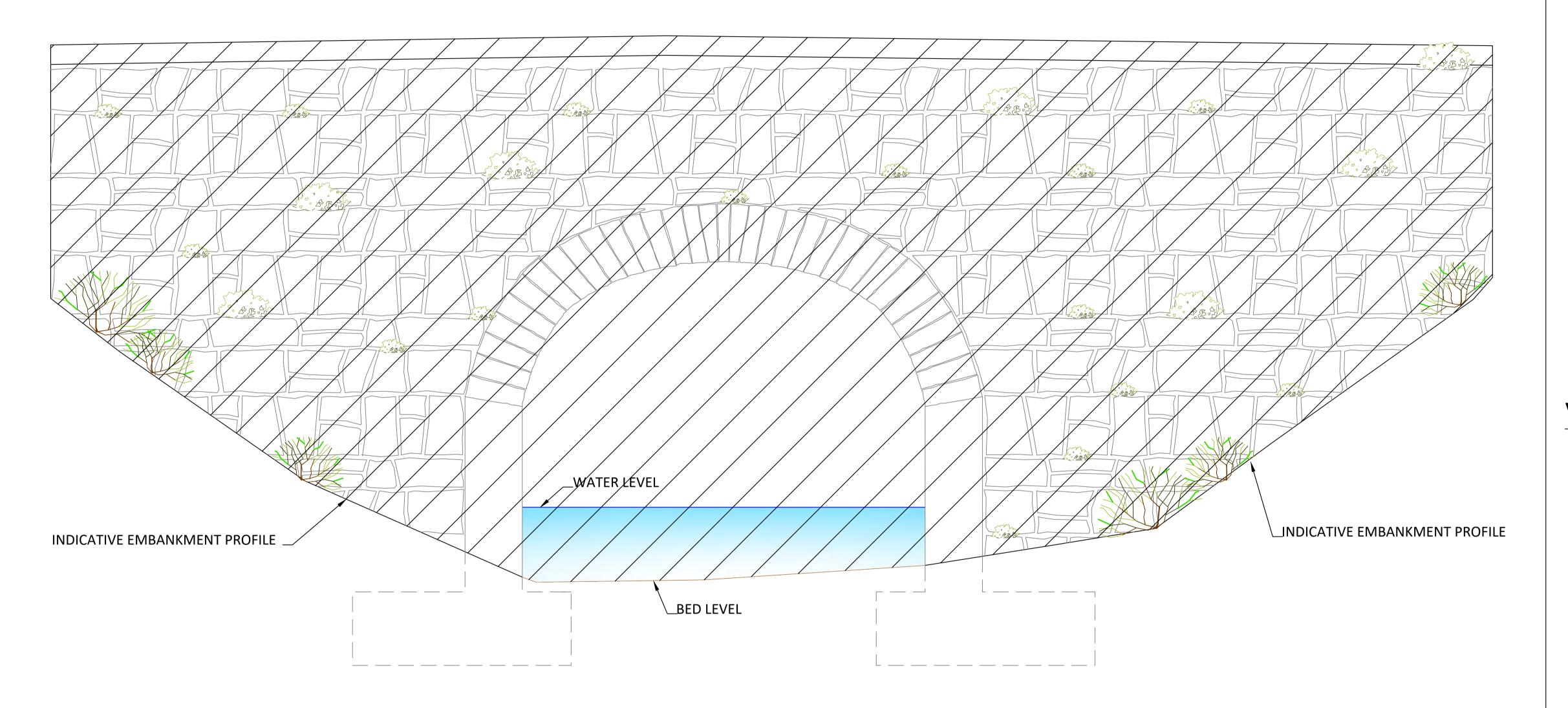
Project: Brooke, Old River, Stephenson Bridge Remediation Works Brooke Bridge Remedial Works at Elevation Downstream Elevation

Client: Kildare County Council

Code |Originator| Zone | Level | Type | Role | Number | Status | Revision K424 · OCSC · Z1 · XX · DR · C · 0304 A3 C01 Date: 02/02/21Scale: 1:50 @ A1 Drn by:QA Chkd by:MF Aprvd by:BO'R/BH

DETAIL 1: VEGETATION REMOVAL

Scale: NTS



TYPICAL BRIDGE ELEVATION

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 **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.

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.

•	FOR SETTING OUT REFER TO ENGINEER'S DRAWINGS.
•	THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER
	ENCINEEDING DRAMINGS AND 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 N	o. Dat	e	Revision Note	Drn by	Chkd by	Rev No.	Date	Revision Note	Drn by	Chkd
C01	13/03	/20	Suitable for Tender	MF	ВН					









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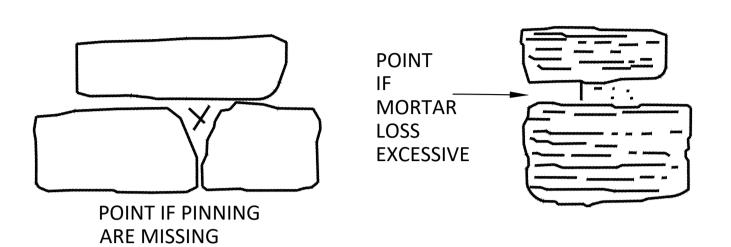
Client: Kildare County Council Project: Brooke Bridge Remediation

Brooke Bridge Repair Detail Vegetation Removal

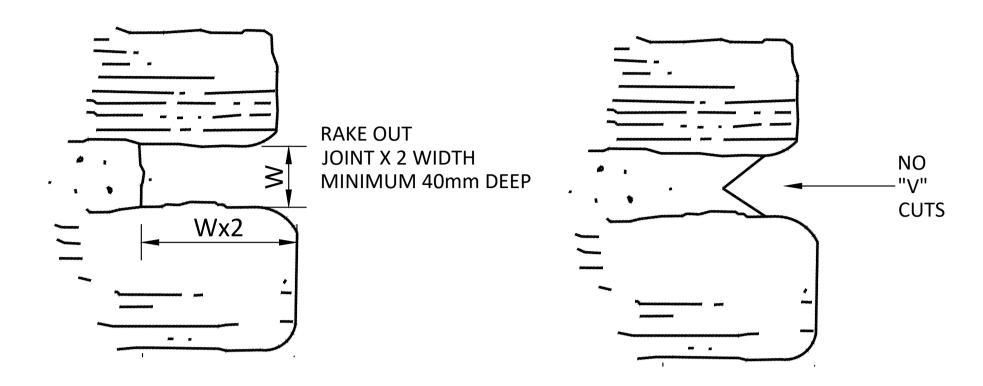
Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0001 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

DETAIL 2: MASONRY REPOINTING

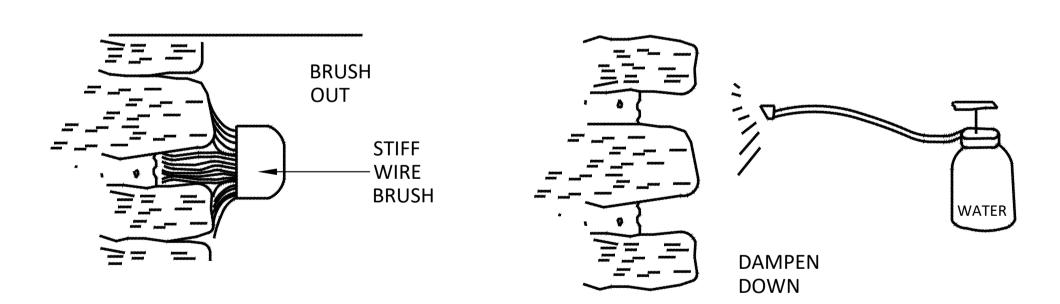
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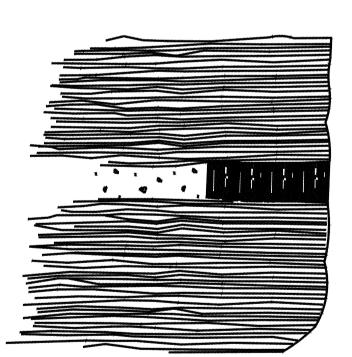
1: WHEN TO REPOINT



2: RAKE OUT EXISTING JOINTS



3: BRUSH AND DAMPEN



4: REPOINT JOINT FLUSH

- 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.

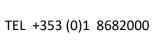
Drn by Chkd by	Rev No. Date Revision Note	Drn by Chkd b
MF BH		
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Brooke Bridge **Repair Details** Masonry Repointing

Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0002 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

GENERAL NOTES:

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MASONRY REPOINTING **NOTES:**

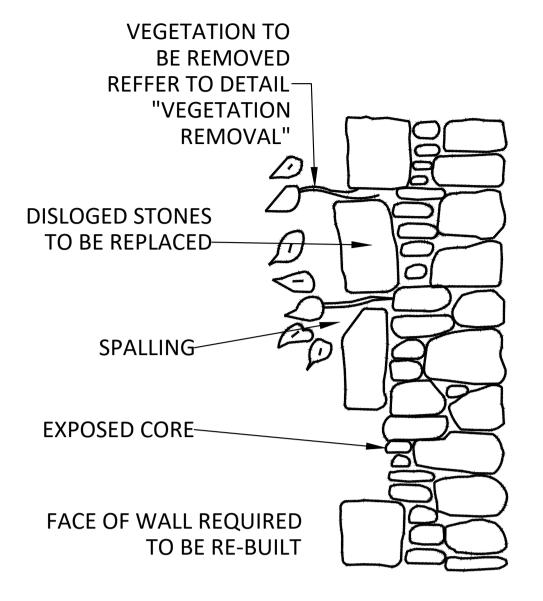
- 1. REPOINTING REQUIRED WHERE THE CONDITIONS PRESENTED IN (1) ARE **ENCOUNTERED AND WHERE THE EMPLOYER'S** REPRESENTATIVE DEEMS IT NECESSARY FOR REPOINTING TO BE CARRIED OUT. REFER TO BILL OF QUANTITIES FOR EXPECTED AREA OF STRUCTURE TO BE REPOINTED.
- 2. RAKE OUT EXISTING JOINTS TO REMOVE LOOSE MATERIAL. 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 CEMENTITIONS MORTAR; TO MATCH THE EXISTING. TWO POSSIBLE STANDARD GAUGED MORTARS APPLICABLE ARE:
 - a) MORTAR CLASS 6 TO EN998-2, 1 PART CEMENT; $\frac{1}{2}$ PART LIME; $4\frac{1}{2}$ PARTS SAND BY VOLUME FOR A MORTAR STRENGTH RANGE OF 4.5n/mm² TO 6.5N/mm²
 - 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/mm² TO 1.5N/mm².
 - 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.

Client: Kildare County Council

Project: Brooke Bridge Remediation

DETAIL 3: MASONRY REPAIR -MISSING MASONRY REPLACEMENT

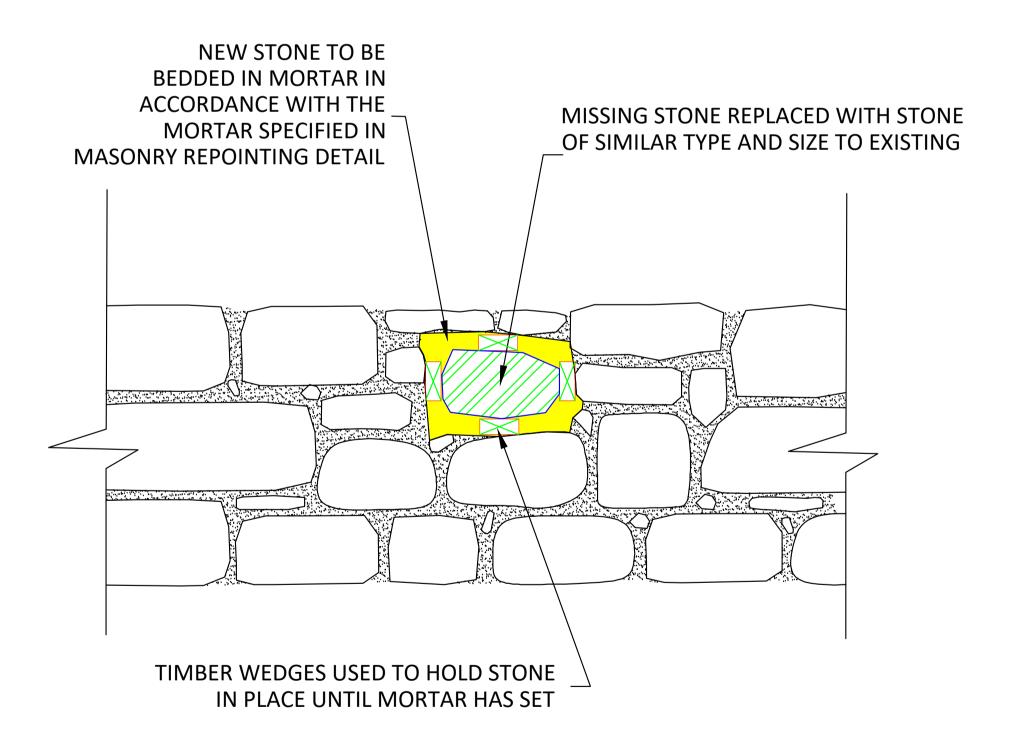
Scale: NTS



(1): REPAIR REQUIRED

TYPICAL CROSS SECTION

SCALE: NTS



TYPICAL ELEVATION ON WALL/ARCH

NTS

• 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

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C01 13/03/20 Suitable for Tender	MF BH		

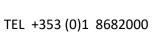












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Brooke Bridge Repair Details - Masonry Repair Missing Masonry Replacement

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0003 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS

GENERAL NOTES:

DIMENSIONS ONLY.

- NOTED OTHERWISE. 2. DO NOT SCALE FROM THIS DRAWING. USE FIGURED
- 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 **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.

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:**

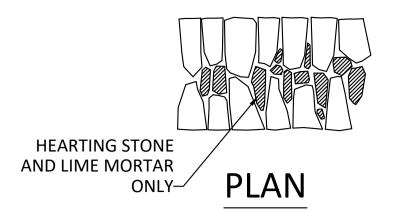
- 1. REPAIR REQUIRED WHERE THE CONDITIONS PRESENTED IN (1) ARE ENCOUNTERED AND WHERE THE EMPLOYER'S REPRESENTATIVE DEEMS IT NECESSARY TO BE CARRIED OUT. REFER TO BILL OF QUANTITIES FOR EXPECTED VOLUME OF MASONRY TO BE REPLACED.
- 2. REPAIR WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DETAILS PRESENTED ON THIS DRAWING AND TIL 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.

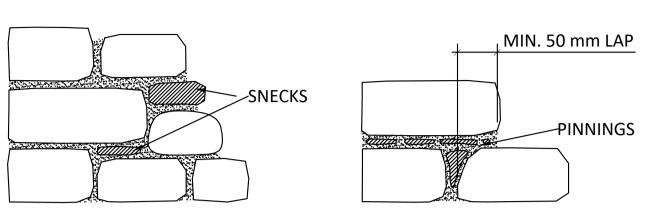
Client: Kildare County Council

Project: Brooke Bridge Remediation

DETAIL 4: MASONRY PARAPET WALL REPAIR

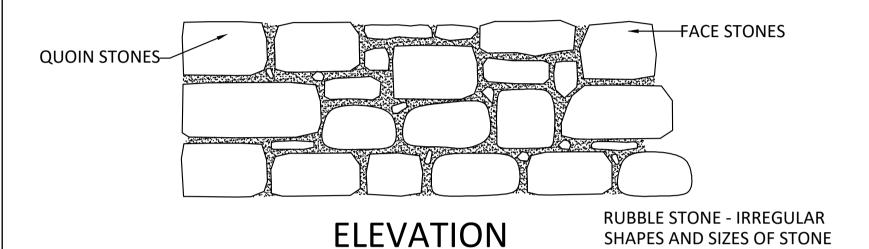
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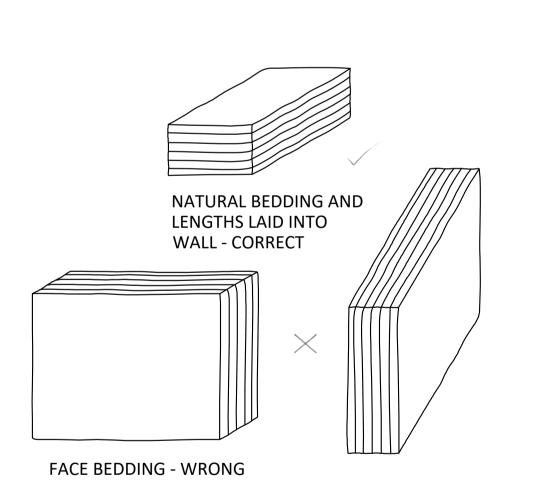


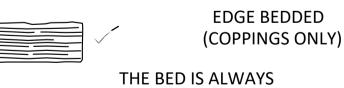
ELEVATION



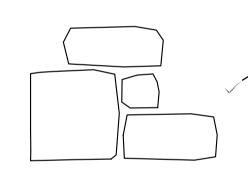


ALL NEW PARAPETS ARE TO BE CONSTRUCTED AS PER TII STANDARD CONSTRUCTION **DETAIL - 02407:**



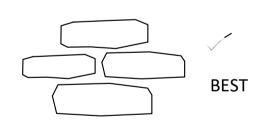




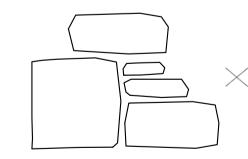


WITH SNECK AND PINNING

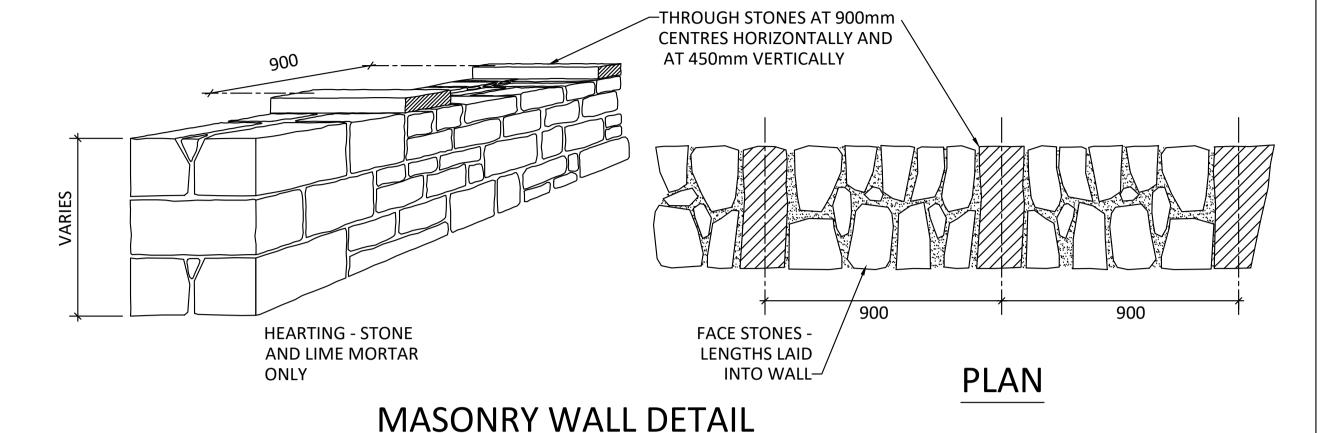
2 BUT NOT 3 - ACCEPTABLE



ONE - ON - TWO AND TWO - ON - ONE



3 FORMING VERTICAL JOINT - WRONG

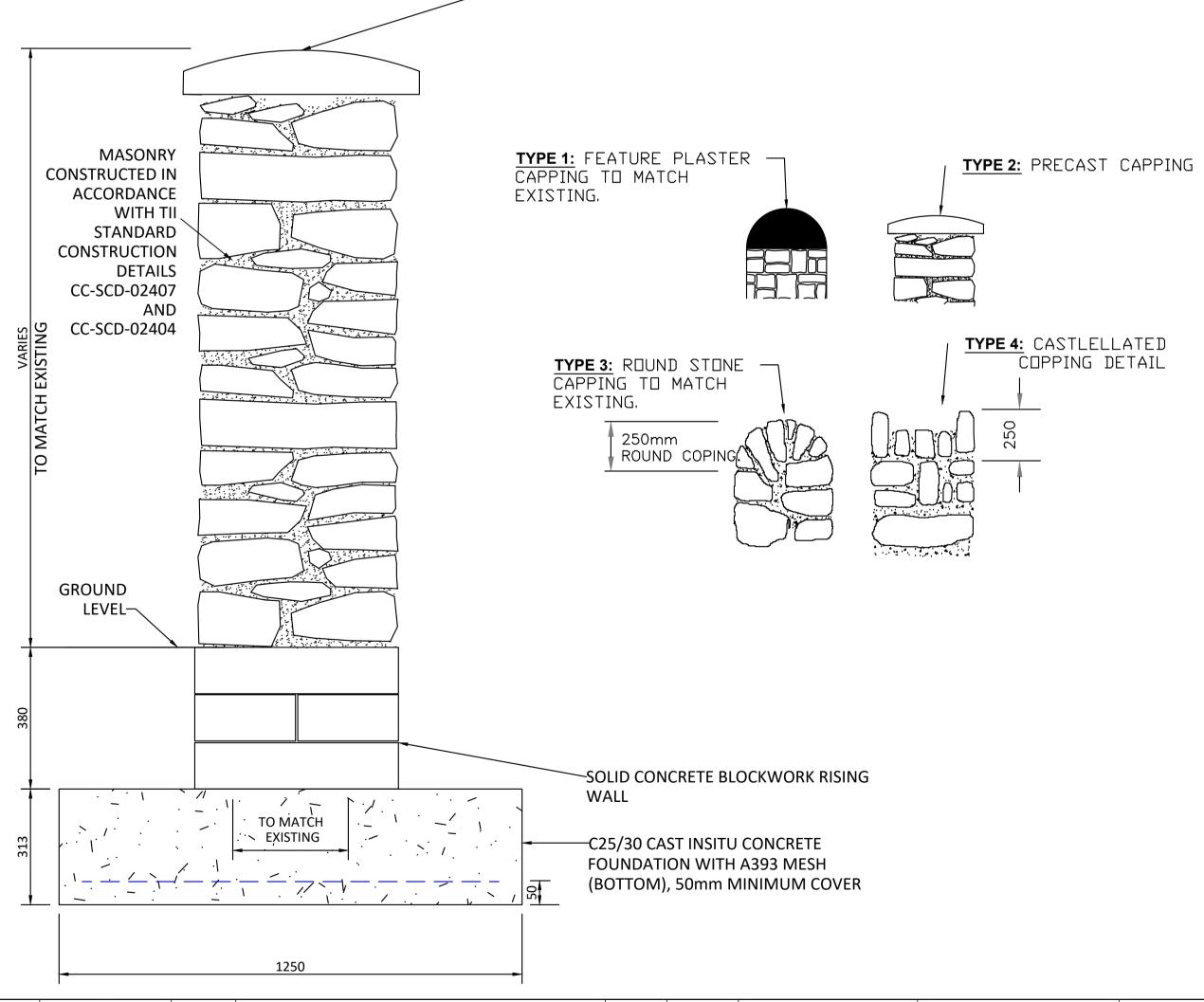


AS DETAILED IN TII SCD CC-SCD-02404-

FEATURE COPING TO MATCH EXISTING WHERE REQUIRED.

COPING TO BE TO THE SATISFACTION OF THE EMPLOYER'S

REPRESENTATIVE IN AND CONSTRUCTED IN CONCRETE OR



• FOR SETTING OUT REFER TO ENGINEER'S DRAWINGS.

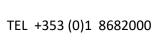
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER **ENGINEERING DRAWINGS AND ALL OTHER**
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- WITHOUT THE WRITTEN PERMISSION OF O'CONNOR SUTTON CRONIN AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED.
- Drn by Chkd by Rev No. Date Revision Note Rev No. Date Revision Note MF C01 13/03/20 Suitable for Tender







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Brooke Bridge **Repair Details**

Masonry Parapet Wall Repair Code |Originator| Zone | Level | Type | Role | Number | Status | Revision K424 - OCSC - ZZ - XX - DR - C - 0004 A3 C01

Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

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1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS

GENERAL NOTES:

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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 PARAPET REPAIR NOTES:

- 1. WHERE ISOLATED STONE ELEMENTS ARE MISSING FROM MASONRY ACCORDANCE WITH THE REPAIRS SPECIFIED IN THE DETAIL MASONRY **REPAIR - MISSING STONE REPLACEMENT.**
- 2. WHERE MASONRY PARAPETS HAVE BEEN DAMAGED BEYOND REPAIR. THE PARAPETS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH THE DETAILS PRESENTED HERE AND TII STANDARD CONSTRUCTION DETAIL CC-SCD-02407.
- 3. THE EMPLOYER'S REPRESENTATIVE SHALL DETERMINE THE EXTENT OF THE REPAIR/RECONSTRUCTION OF MASONRY PARAPETS REQUIRED.
- 4. WHERE PARAPETS ARE REQUIRED TO BE RECONSTRUCTED, THE PARAPETS SHALL BE POSITIVELY CONNECTED TO THE EXISTING STONE VOUSOIR OR PARAPET EDGE BEAM OF THE BRIDGE USING GROUTED SOCK DOWELS. 12mm DIAMETER STAINLESS STEEL BARS SHALL BE USED AS DOWELS, THE SPACING AND NUMBER OF THE STAINLESS STEEL DOWELS SHALL BE AGREED WITH THE EMPLOYER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 5. THE GROUT TO BE USED SHALL BE A DRY PRE-MIXED PRE-BAGGED SHRINK COMPENSATED CEMENTITIOUS GROUT WITH A MINIMUM 1 DAY STRENGTH OF 15N/mm2, A 28 DAY COMPRESSIVE STRENGTH OF 50N/mm2 AND AN APPROXIMATE 28 DAY FLEXURAL STRENGTH OF 13N/mm2. THIS PRODUCT SHALL BE MIXED AND USED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 6. HOLES FOR DOWEL BARS SHALL BE FLUSHED CLEAR OF ALL DUST AND DEBRIS AND WHEREVER REASONABLY PRACTICABLE BE FORMED THROUGH MASONRY UNITS AND NOT THROUGH JOINTS.

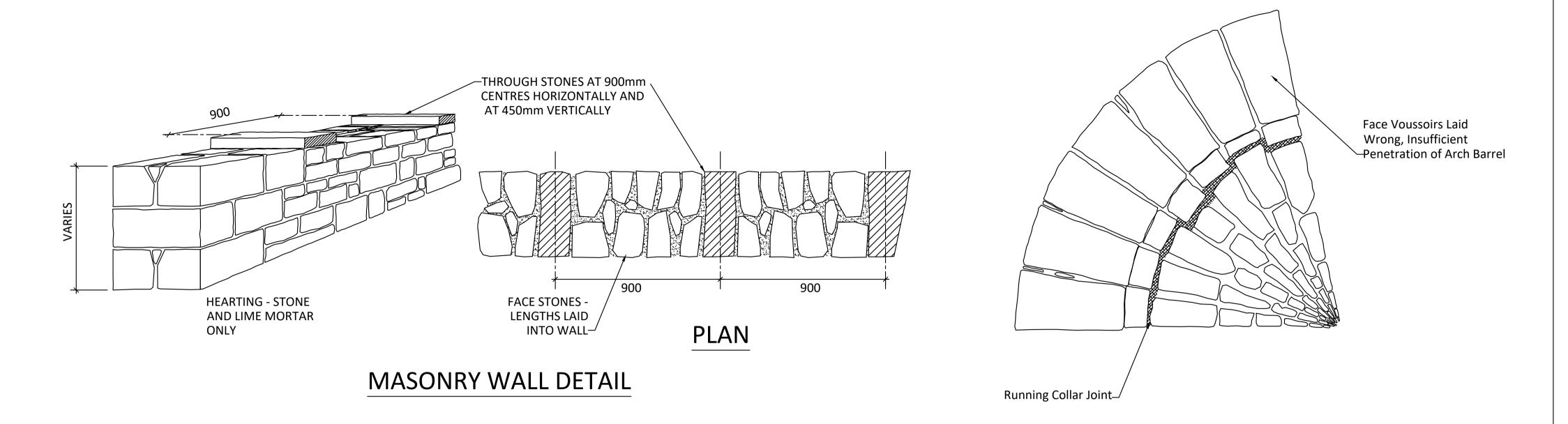
Client: Kildare County Council

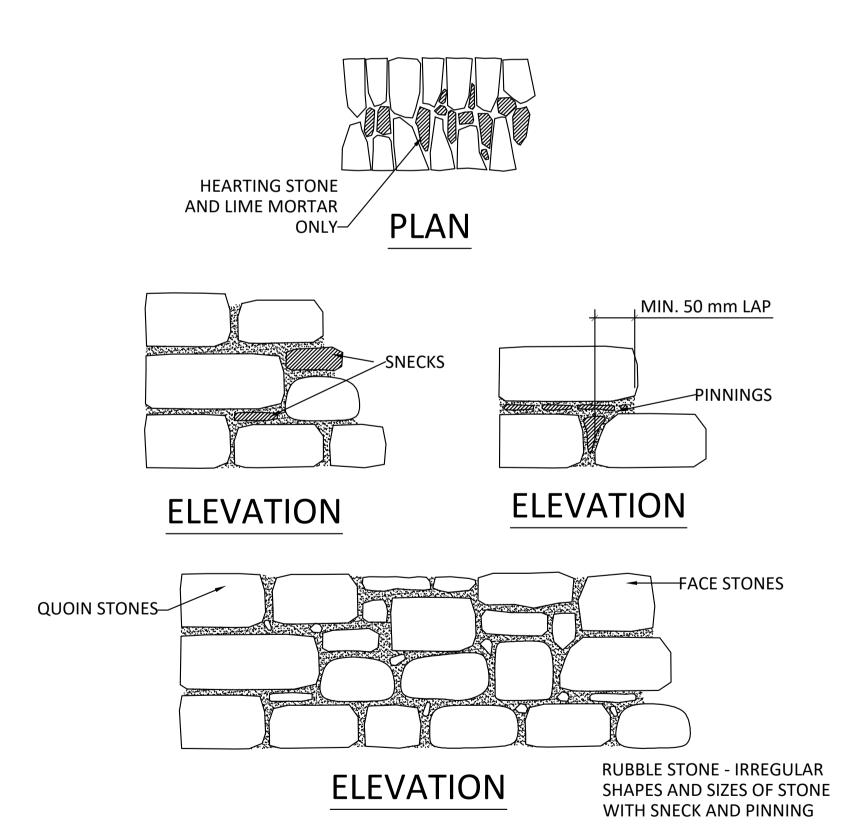
Project: Brooke Bridge Remediation

7. ALL MORTAR FOR BEDDING AND POINTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MASONRY REPOINTING DETAIL.

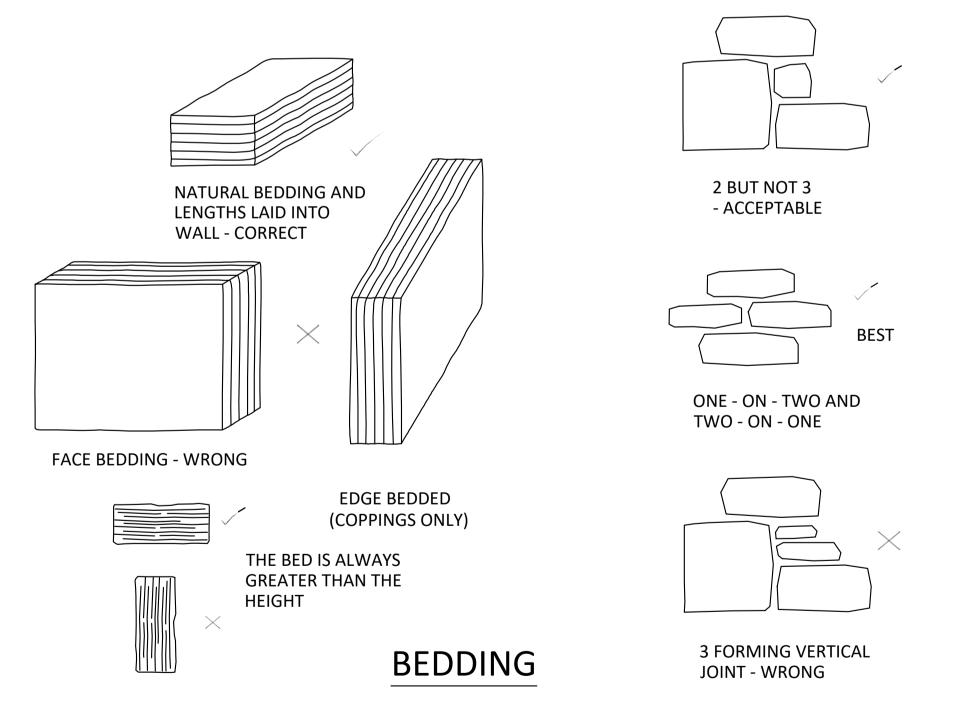
DETAIL 5: MASONRY STRUCTURE REPAIR

Scale: NTS





ALL NEW PARAPETS ARE TO BE CONSTRUCTED AS PER TII STANDARD CONSTRUCTION DETAIL - 02407:



GENERAL NOTES:

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MASONRY STRUCTURE **REPAIR NOTES:**

- 1. MASONRY STRUCTURE REFERS TO ANY OF THE FOLLOWING: SPANDREL WALL, RETAINING WALL, WING WALL, ABUTMENT, PIERS AND ARCH BARREL
- 2. WHERE ISOLATED STONE ELEMENTS ARE MISSING FROM THE MASONRY STRUCTURE. THE STRUCTURE SHALL BE REPAIRED LOCALLY IN ACCORDANCE WITH THE REPAIRS SPECIFIED IN THE DETAIL, MASONRY **REPAIR - MISSING STONE REPLACEMENT.**
- 3. WHERE MASONRY STRUCTURES HAVE BEEN DAMAGED BEYOND REPAIR, THE STRUCTURE SHALL BE RECONSTRUCTED IN ACCORDANCE WITH THE DETAILS PRESENTED HERE AND TII STANDARD CONSTRUCTION DETAIL CC-SCD-02407.
- 4. THE EMPLOYER'S REPRESENTATIVE SHALL DETERMINE THE EXTENT OF THE REPAIR/RECONSTRUCTION OF MASONRY STRUCTURE REQUIRED.
- 5. ALL MORTAR FOR BEDDING AND POINTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MASONRY REPOINTING DETAIL.

•	FOR SETTING OUT REFER TO ENGINEER'S DRAWINGS.
•	THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER
	ENICHNEEDING DRAVAUNICS AND ALL OTHER

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Brooke Bridge **Repair Details**

Masonry Structure Repair

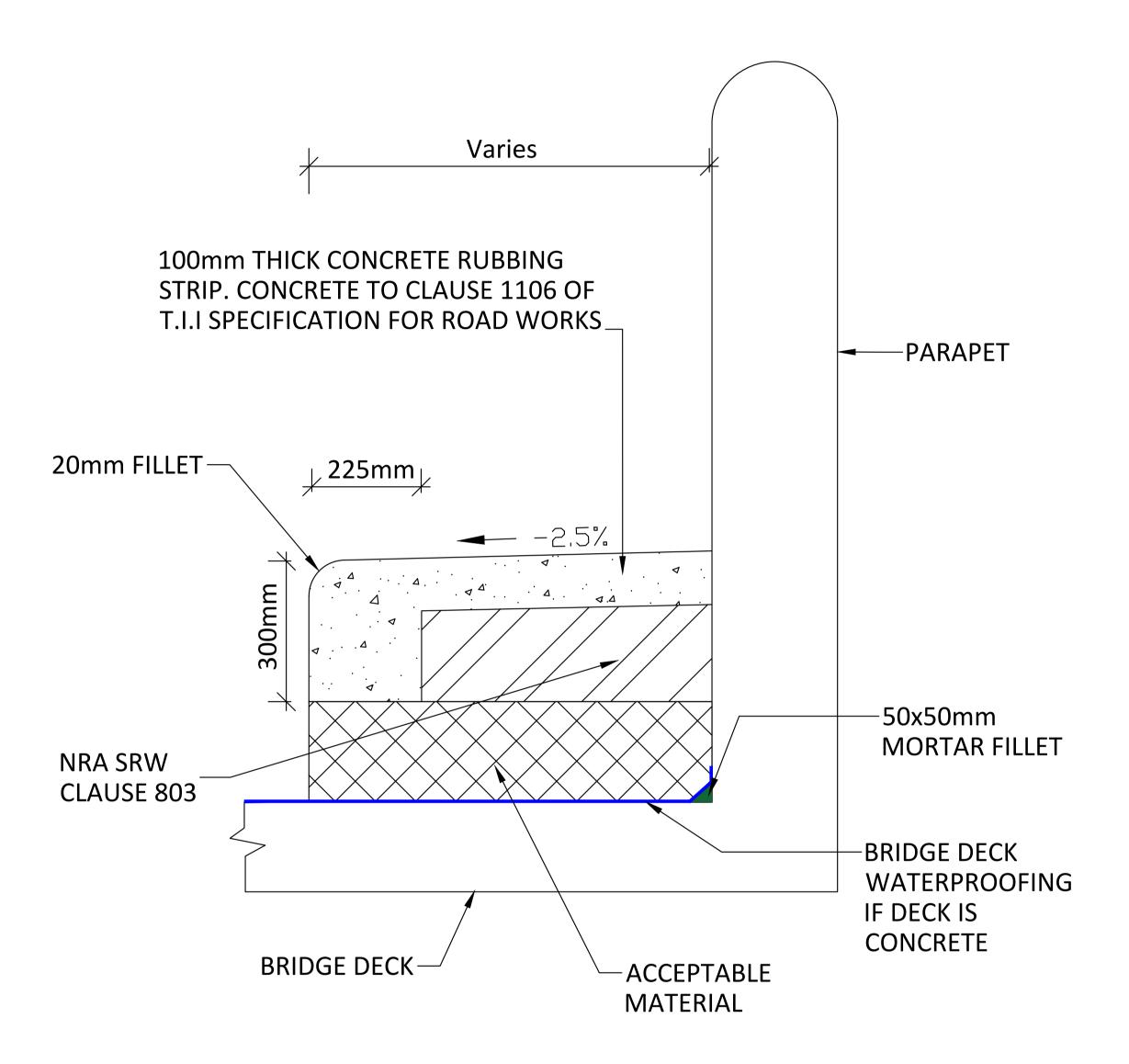
Project: Brooke Bridge Remediation

Client: Kildare County Council

Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0005 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

DETAIL 6: CONCRETE RUBBING STRIP INSTALLATION

Scale: NTS

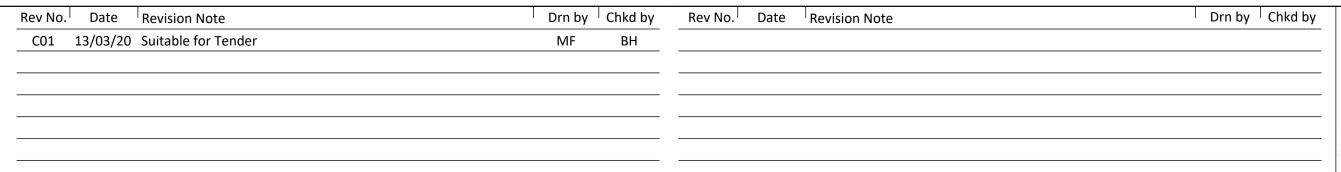


TYPICAL CROSS-SECTION (OVER BRIDGE ONLY)

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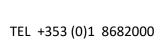














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GENERAL NOTES:

NOTED OTHERWISE.

DIMENSIONS ONLY.

ELEMENT NOTED ONLY.

SURFACE OF THE STRUCTURE.

EMPLOYERS REPRESENTATIVE

TERM MONITORING.

STRIP NOTES:

POSITIVE DRAINAGE.

BARREL.

BUILDUP.

CASE DURING THE CONSTRUCTION.

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS

3. THIS DRAWING SHALL BE USED FOR THE DESIGN

5. ALL REPAIR WORKS SHALL BE CARRIED OUT IN

2. DO NOT SCALE FROM THIS DRAWING. USE FIGURED

4. ALL STRUCTURES SHALL BE CLEANED USING A HIGH PRESSURE WATER JET TO REMOVE ALL DIRT;

SURFACE DEPOSITS AND VEGETATION FROM THE

ACCORDANCE WITH THE RELEVANT DRAWING AND

SPECIFICATION AND TO THE SATISFACTION OF THE

STABILITY OF ALL STRUCTURES IN THE TEMPORARY

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE

7. WHERE CRACKING / DISTORTION OF A STRUCTURE

REMEDIATION, INCLUDING DRAWINGS AND

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

2. CONCRETE RUBBING STRIP SHALL BE LAID

WITH A FALL OF 2.5% TO ENSURE

3. SEE DETAIL EXISTING SURFACE TIE IN TO

4. IT MAY BE NECESSARY TO WIDEN THE

IN THE RANGE OF 500mm - 300mm

CONCRETE RUBBING STRIP FOR ROAD

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

HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER

MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM **FUTURE INSPECTIONS AND TO FACILITATE LONG**

Client: Kildare County Council

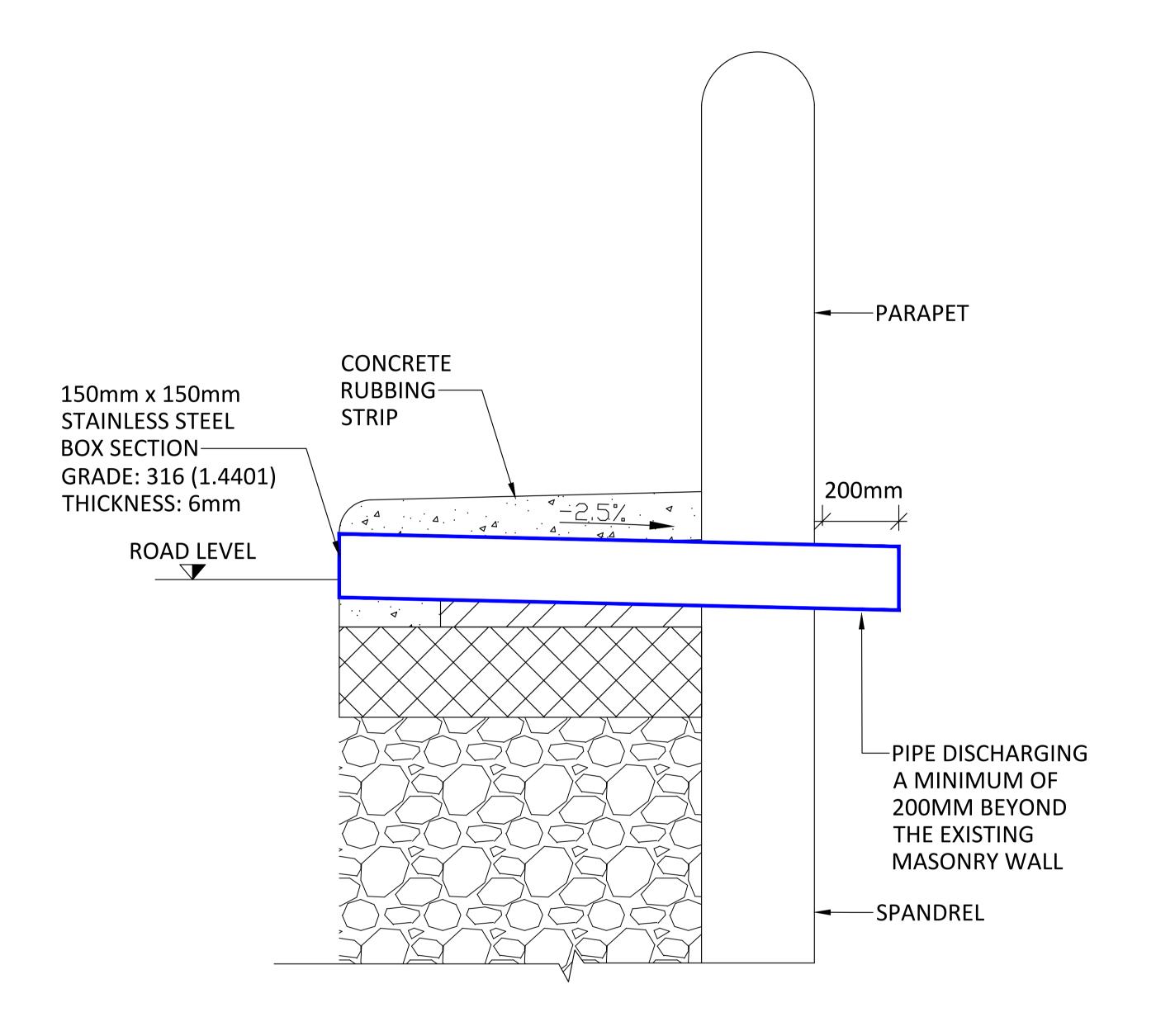
Project: Brooke Bridge Remediation Brooke Bridge

Repair Details Concrete Rubbing Strip Code |Originator| Zone | Level | Type | Role |Number | Status | Revision

K424 · OCSC · ZZ · XX · DR · C · 0006 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

DETAIL 7: INTEGRATED STAINLESS STEEL DRAIN IN CONCRETE RUBBING STRIP

Scale: NTS



TYPICAL CROSS-SECTION

GENERAL NOTES:

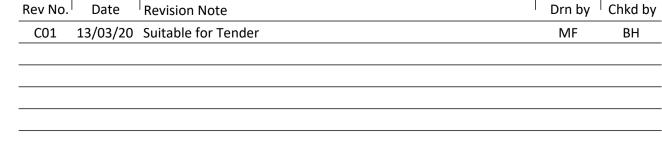
- 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 2. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
- 3. THIS DRAWING SHALL BE USED FOR THE DESIGN ELEMENT NOTED ONLY.
- 4. ALL STRUCTURES SHALL BE CLEANED USING A HIGH PRESSURE WATER JET TO REMOVE ALL DIRT; SURFACE DEPOSITS 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 **EMPLOYERS REPRESENTATIVE**
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF ALL STRUCTURES IN THE TEMPORARY CASE DURING THE CONSTRUCTION.
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INTEGRATED STAINLESS STEEL DRAIN NOTES:

- 1. WHERE REQUIRED, 150mm x 150mm BOX STAINLESS STEEL SECTIONS (GRADE 316 (1.4401, THICKNESS 6MM)) SHALL BE CAST IN SITU INTO THE CONCRETE RUBBING STRIPS.
- 2. THE STAINLESS STEEL BOX SECTIONS SHALL BE LAID WITH A FALL OF 2.5% TO ENSURE POSITIVE DRAINAGE.
- 3. THE OUTFALL SHALL DISCHARGE A MINIMUM OF 200mm BEYOND THE **MASONRY WALL**

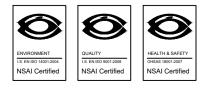
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Brooke Bridge

Client: Kildare County Council

Project: Brooke Bridge Remediation

Repair Details - Integrated Stainless Steel Drain in Concrete Rubbing Strip

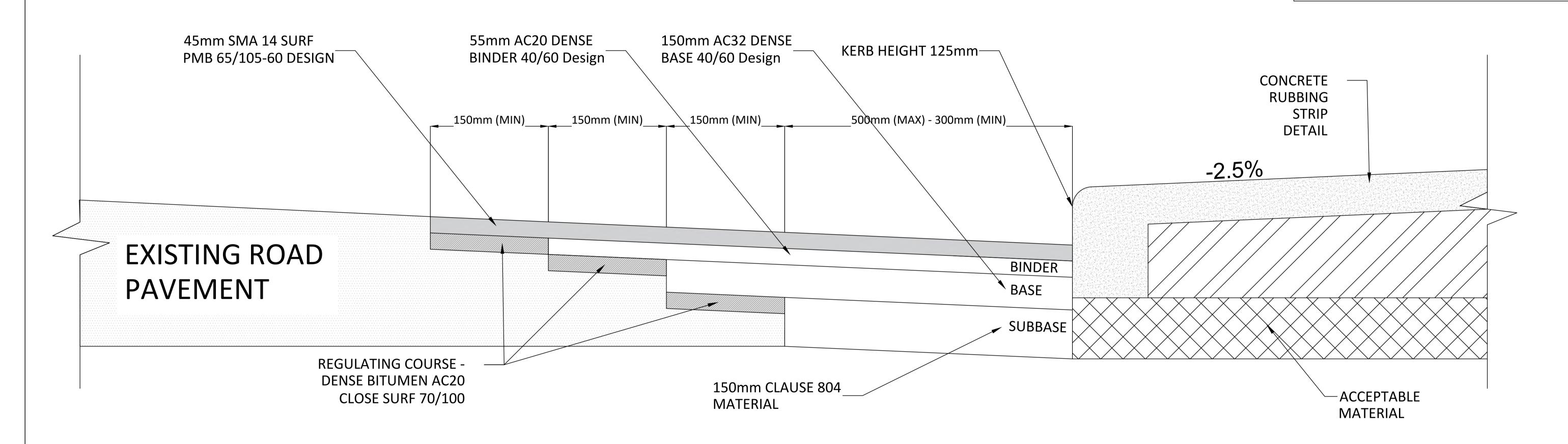
Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0007 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

DETAIL 8: EXISTING SURFACE TIE IN TO CONCRETE RUBBING STRIP (LONGITUDINAL JOINTS)

Scale: NTS

GENERAL NOTES:

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- 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 **EMPLOYERS REPRESENTATIVE**
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C01 13/03/20 Suitable for Tender	MF BH		









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Project: Brooke Bridge Remediation

Brooke Bridge

Client: Kildare County Council

Repair Details - Existing Surface Tie In To Concrete Rubbing Strip Code |Originator| Zone | Level | Type | Role | Number | Status | Revision

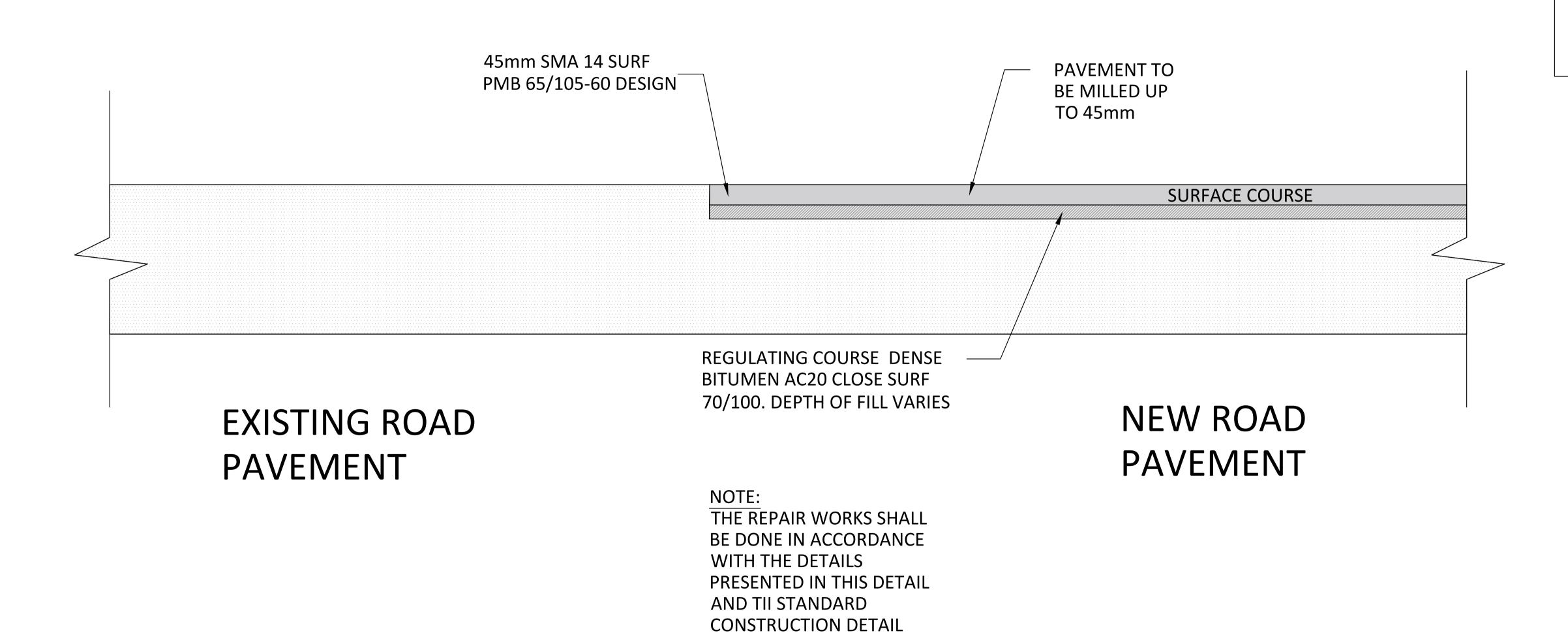
K424 OCSC - ZZ - XX - DR - C - 0008 A3 C01

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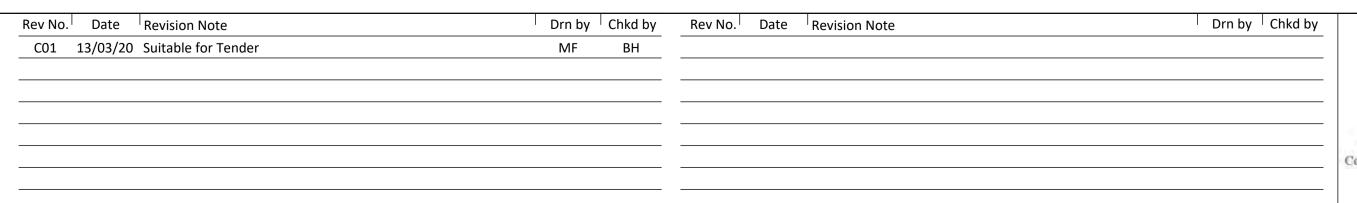
DETAIL 9: EXISTING SURFACE TO NEW SURFACE TIE IN (TRANSVERSE JOINTS)

Scale: NTS

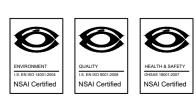


CC-SCD-00703.

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Project: Brooke Bridge Remediation Brooke Bridge

Client: Kildare County Council

GENERAL NOTES:

NOTED OTHERWISE.

DIMENSIONS ONLY.

ELEMENT NOTED ONLY.

SURFACE OF THE STRUCTURE.

EMPLOYERS REPRESENTATIVE

TERM MONITORING.

CASE DURING THE CONSTRUCTION.

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PRESSURE WATER JET TO REMOVE ALL DIRT;

5. ALL REPAIR WORKS SHALL BE CARRIED OUT IN

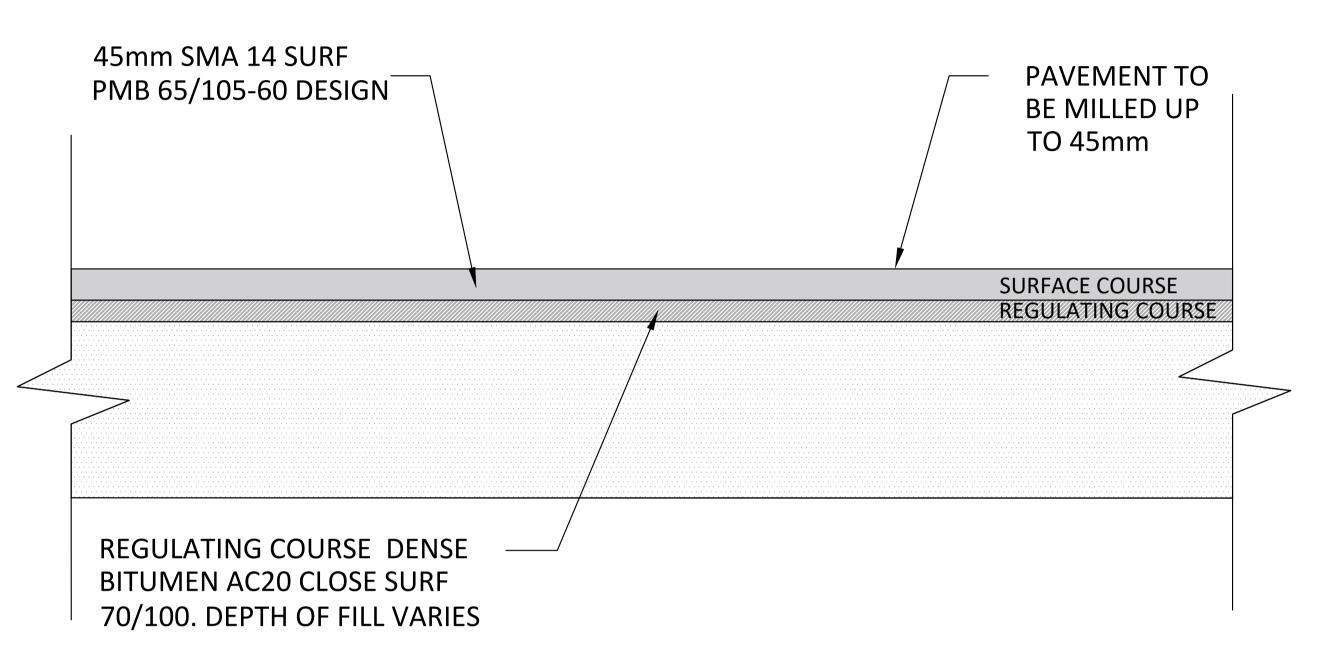
3. THIS DRAWING SHALL BE USED FOR THE DESIGN

Repair Details Existing Surface To New Road Surface Tie In

Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 OCSC - ZZ - XX - DR - C - 0009 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

DETAIL 10: REPLACEMENT OF DAMAGED ROAD SURFACE

Scale: NTS



NEW ROAD **SURFACE**

NOTE:

THE REPAIR WORKS SHALL BE DONE IN ACCORDANCE WITH THE DETAILS PRESENTED IN THIS DETAIL AND TII STANDARD **CONSTRUCTION DETAIL** CC-SCD-00703.

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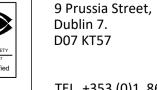
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C01	13/03/20	Suitable for Tender	MF	ВН					









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Client: Kildare County Council Project: Brooke Bridge Remediation

GENERAL NOTES:

NOTED OTHERWISE.

DIMENSIONS ONLY.

ELEMENT NOTED ONLY.

SURFACE OF THE STRUCTURE.

EMPLOYERS REPRESENTATIVE

TERM MONITORING.

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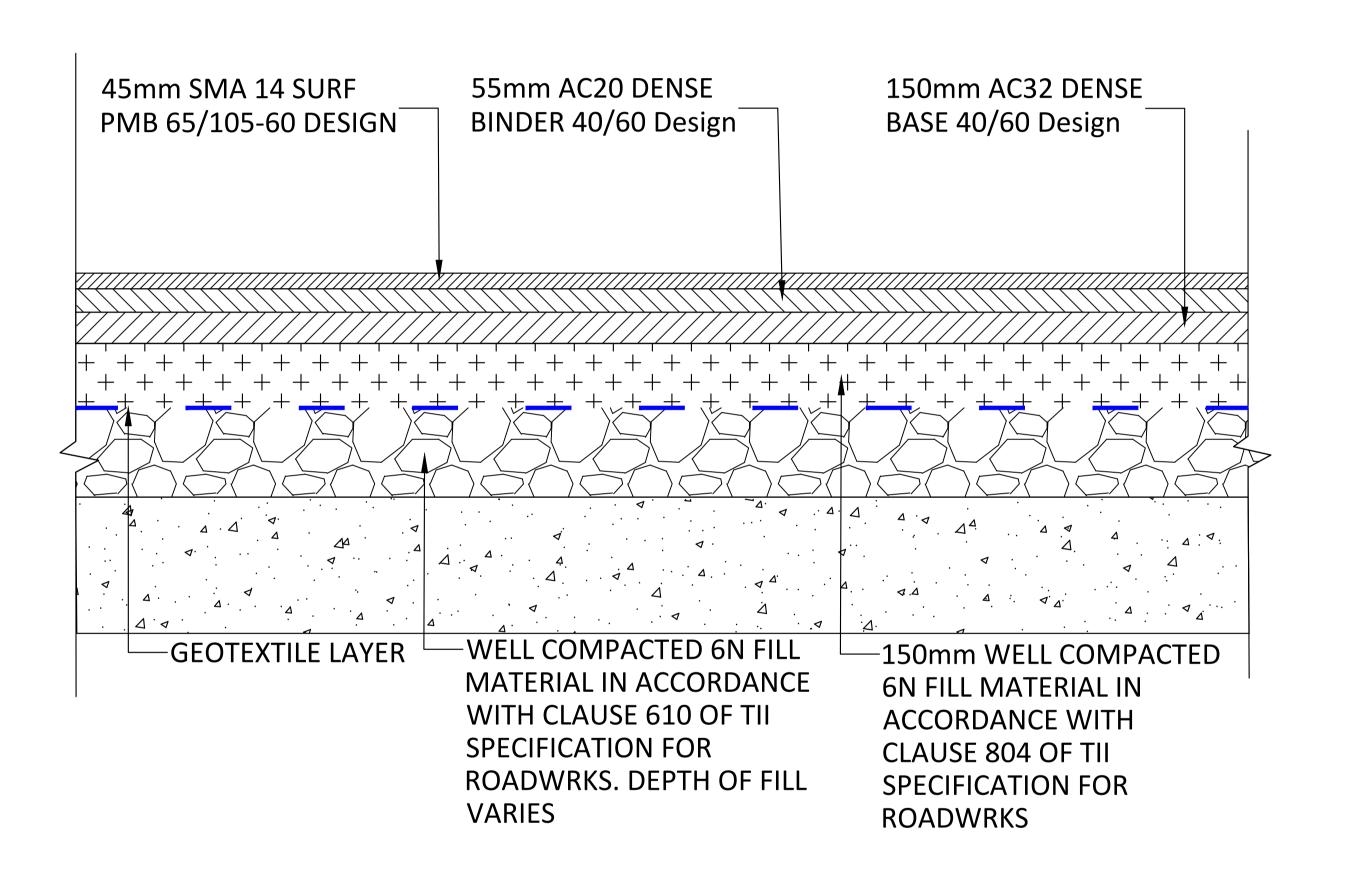
Brooke Bridge **Repair Details** Replacement of Damaged Road Surface

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DETAIL 11: TYPICAL ROAD BUILDUP

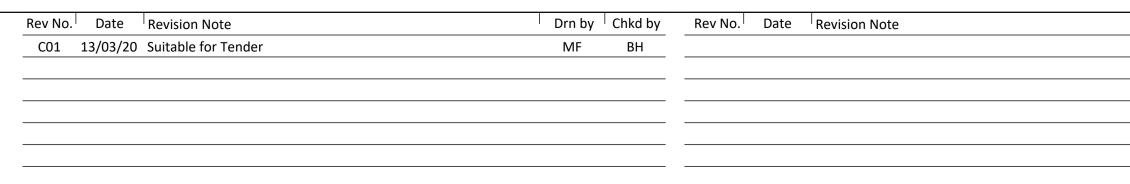
Scale: NTS



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Drn by Chkd by









Brooke Bridge **Repair Details** Typical Road Buildup

Client: Kildare County Council

Project: Brooke Bridge Remediation

GENERAL NOTES:

NOTED OTHERWISE.

DIMENSIONS ONLY.

ELEMENT NOTED ONLY.

SURFACE OF THE STRUCTURE.

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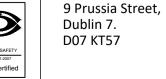
7. WHERE CRACKING / DISTORTION OF A STRUCTURE

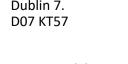
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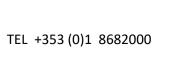
Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0011 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R





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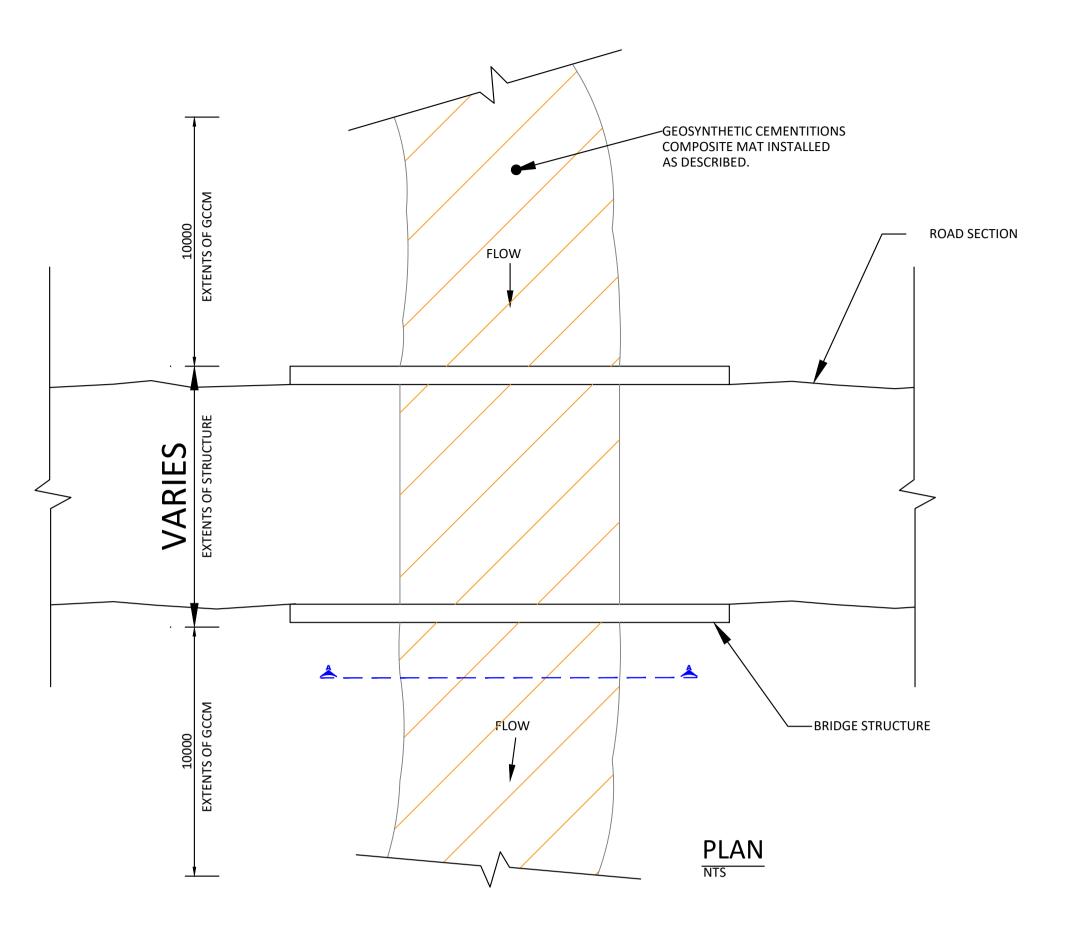
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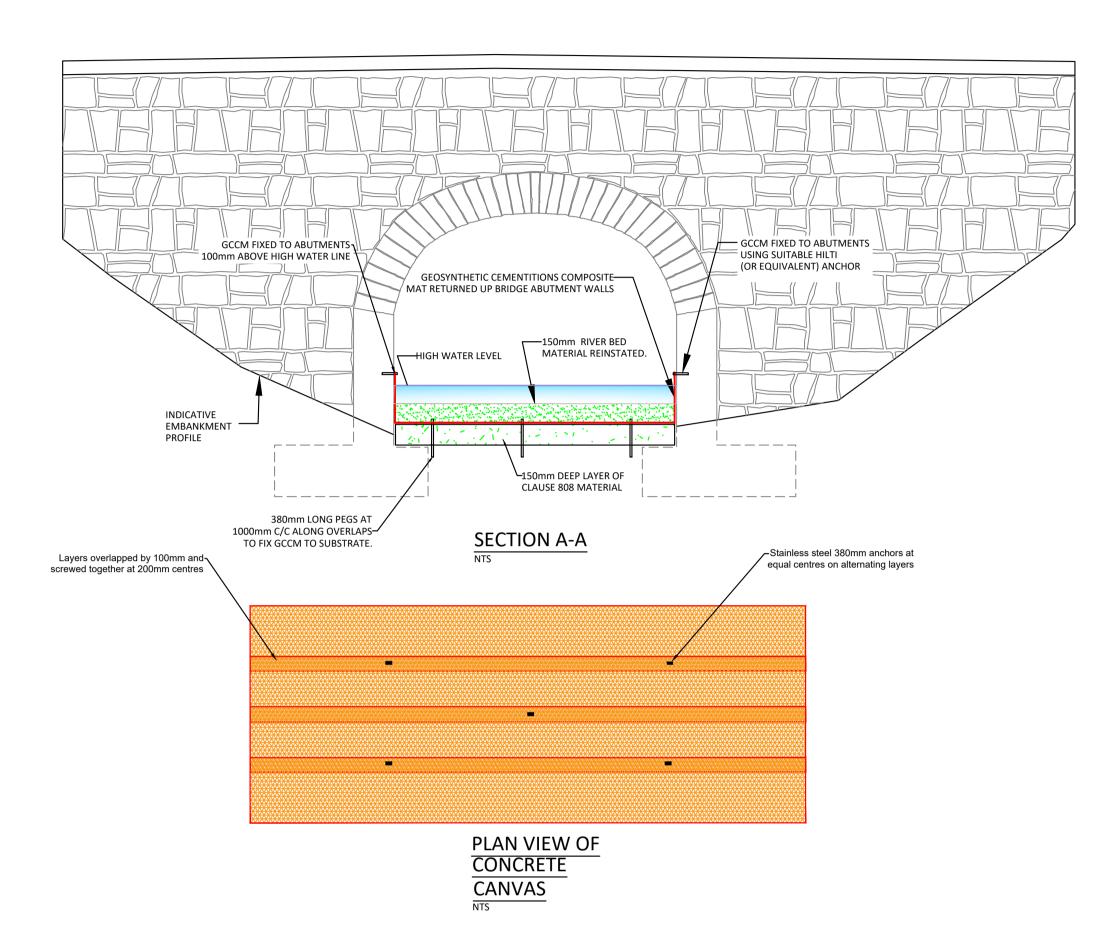


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DETAIL 12: SCOUR PROTECTION -CONCRETE CANVAS INSTALLATION

Scale: NTS





TERMINATION OF CONCRETE CANVAS TO CONCRETE HEADWALL / BUTTRESS

CONCRETE

HEADWALL

6MM BEAD

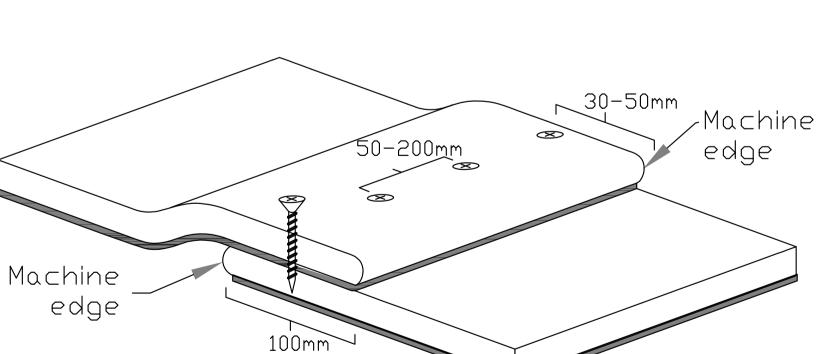
STAINLESS STEEL ANCHOR

SOIL SUBSTRATE

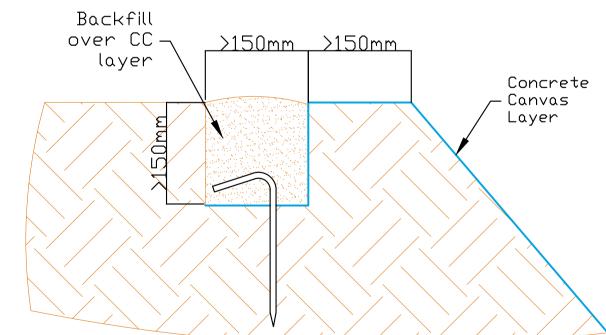
SIKA FLEX 1A

SCREWED OVERLAP JOINT

30-50mm Machine edge



Pegged Anchor Trench



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SCOUR PROTECTION -**CONCRETE CANVAS NOTES:**

- 1. STREAM TO BE DIVERTED PRIOR TO BEGINNING INSTALLATION OF GEOSYNTHETIC CEMENTITIONS COMPOSITE MAT (GCCM).
- 2. EXCAVATE RIVER BED TO THE REQUIRED DEPTH TO ENSURE THE FINAL BED LEVEL MATCHES THE EXISTING.
- 3. FORMATION LEVEL TO BE INSPECTED BY EMPLOYERS REPRESENTATIVE PRIOR TO INSTALLATION. WHERE SOFT SPOTS ARE PRESENT, POOR MATERIAL IS TO BE EXCAVATED AND REPLACED WITH WELL COMPACTED CLAUSE 808 MATERIAL, TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVE.
- 4. INSTALL 150mm DEEP WELL COMPACTED LAYER OF CLAUSE 808 MATERIAL TO THE SATISFACTION OF THE EMPLOYERS REPRESENTATIVE.
- 5. LAY GCCM TRANSVERSELY ACROSS WIDTH OF STREAM FROM DOWNSTREAM END WORKING BACK UP TO UPSTREAM END; AND RETURN VERTICALLY UP BRIDGE ABUTMENTS. THE GCCM SHOULD TERMINATE 100mm ABOVE THE HIGH WATER LEVEL. MAT TO BE FIXED TO BRIDGE ABUTMENT USING CONTRACTOR DESIGNED FIXING. GCCMs TO HAVE MINIMUM 100mm LAPS AND FIXED TOGETHER AT 200mm c/c.
- 6. GCCM TO BE FIXED TO SUBSTRATE USING 380mm LONG PEGS AT 1000mm c/c ALONG EACH **OVERLAP**

NOTE: PLAN AND ELEVATION OF A TYPICAL MASONRY ARCH BRIDGE SHOWN; FOR CONCRETE BRIDGE STRUCTURES, A SIMILAR DETAIL IS TO BE USED.

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C01	13/03/20	Suitable for Tender	MF	ВН			

CONCRETE CANVAS TO

HIGH WATER LINE

100mm

TERMINATE 100MM ABOVE

Rev No.	Date	Revision Note	Drn by Chkd by









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Client: Kildare County Council Project: Brooke Bridge Remediation

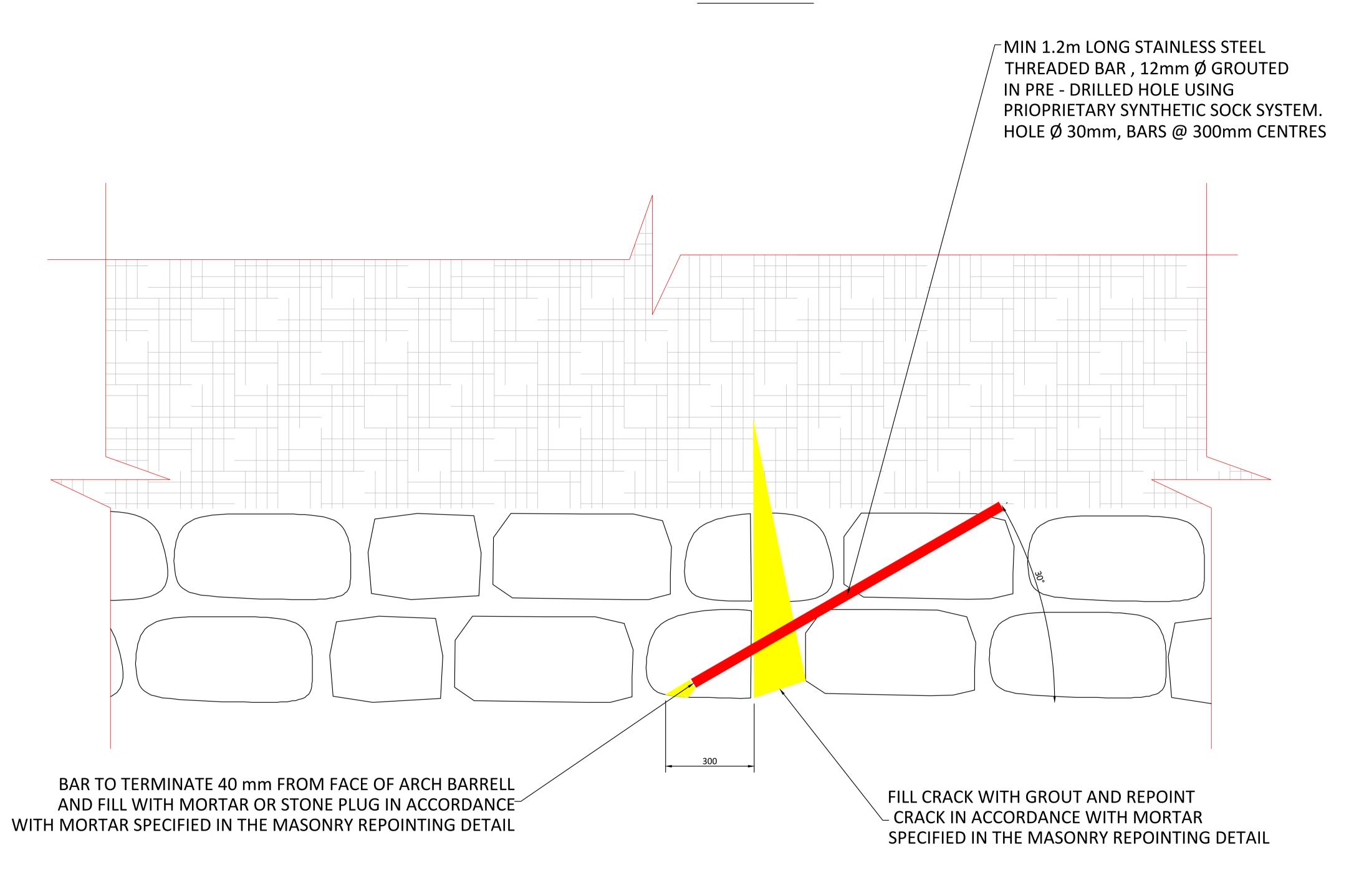
Brooke Bridge Repair Details - Scour Protection Concrete Canvas Installation

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0012 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

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DETAIL 13: STITCH REPAIR TO CRACK IN ABUTMENT/ARCH BARREL

Scale: NTS



TYPICAL SECTION TROUGH ARCH BARRELL CRACK

SCALE: NTS

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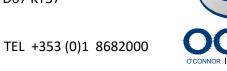
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C01 13/03/20 Suitable for Tender	MF BH		











OCSC

Client: Kildare County Council Project: Brooke Bridge Remediation

GENERAL NOTES:

NOTED OTHERWISE.

DIMENSIONS ONLY.

ELEMENT NOTED ONLY.

SURFACE OF THE STRUCTURE.

EMPLOYERS REPRESENTATIVE

TERM MONITORING.

EMPLOYER'S REPRESENTATIVE.

INJECTING OF GROUT.

REPRESENTATIVE.

MASONRY REPOINTING.

RECOMMENDATIONS.

STITCH REPAIR NOTES

CASE DURING THE CONSTRUCTION.

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS

3. THIS DRAWING SHALL BE USED FOR THE DESIGN

5. ALL REPAIR WORKS SHALL BE CARRIED OUT IN

2. DO NOT SCALE FROM THIS DRAWING. USE FIGURED

4. ALL STRUCTURES SHALL BE CLEANED USING A HIGH PRESSURE WATER JET TO REMOVE ALL DIRT;

SURFACE DEPOSITS AND VEGETATION FROM THE

ACCORDANCE WITH THE RELEVANT DRAWING AND

SPECIFICATION AND TO THE SATISFACTION OF THE

STABILITY OF ALL STRUCTURES IN THE TEMPORARY

HAS BEEN IDENTIFIED, DETAILED RECORDS SHALL BE MADE OF SUCH DEFECTS BEFORE AND AFTER

MEASUREMENTS AND PHOTOGRAPHS. THIS IS TO INSURE THAT THE DEFECT IS NOT MASKED FROM FUTURE INSPECTIONS AND TO FACILITATE LONG

1. WHERE A CRACK IN THE BARREL OF AN ARCH HAS BEEN IDENTIFIED

2. WHERE THE MASONRY IN THE VICINITY OF THE CRACK REQUIRES

APPROXIMATELY 1000mm EITHER SIDE OF THE CRACK USING A

DEBRIS AND WHEREVER REASONABLY PRACTICABLE BE FORMED

5. THE GROUT TO BE INJECTED INTO THE PRE-DRILLED HOLE SHALL BF

GROUT TRAVELS AND PERMEATES INTO THE MASONRY WITHOUT

COMPENSATED CEMENTITIOUS GROUT WITH A MINIMUM 1 DAY STRENGTH OF 15N/mm2, A 28 DAY COMPRESSIVE STRENGTH OF 50N/mm2 AND AN APPROXIMATE 28 DAY FLEXURAL STRENGTH OF

REINFORCEMENT BARS GRADE 1.4436 IN ACCORDANCE WITH EN

DRAWINGS UNLESS OTHERWISE AGREED WITH THE EMPLOYER'S

8. THE LENGTH OF ADJACENT ANCHOR BARS SHALL BE STAGGERED TO PREVENT A NEW LONGITUDINAL CRACK FORMING. ANCHORS TO BE STAGGERED IN A "3 BAR STAGGER" ARRANGEMENT WITH 250mm

10. THE CONTRACTOR SHALL PREPARE A METHOD STATEMENT WITH DETAILS OF THE CRACKS TO BE INJECTED, THE PROCEDURE FOR THE

MATERIALS TO BE USED ENSURING NO DAMAGE OCCURS TO THE

SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S

9. FOLLOWING THE INSTALLATION OF ANCHORS, SURPLUS GROUT SHALL BE REMOVED, AND ALL REMAINING HOLES AND JOINTS SHALL BE PLUGGED AND POINTED IN ACCORDANCE WITH THE REQUIREMENTS OF DETAIL -

CLEANING OUT OF CRACKS, THE INJECTION PROCESS AND THE PROPOSED

EXISTING STRUCTURE. CRACK INJECTION USING A PROPRIETARY SYSTEM

100881:2005. BAR AND SOCK DIAMETER TO BE AS SPECIFIED ON THE

WITH THE MANUFACTURER'S RECOMMENDATIONS.

7. STAINLESS STEEL RODS USED SHALL BE TYPE II DEFORMED

DIFFERENCE IN LENGTH BETWEEN ADJACENT ANCHORS.

INJECTED AT A PRESSURE AND CONSISTENCY THAT WILL ENSURE THE

IMMEDIATELY RUNNING OUT. LEAKAGE IS TO BE MINIMISED DURING THE

6. THE GROUT TO BE USED SHALL BE A DRY PRE-MIXED PRE-BAGGED SHRINK

13N/mm2. THIS PRODUCT SHALL BE MIXED AND USED IN ACCORDANCE

HIGH-PRESSURE WATER JET TO REMOVE ALL DIRT, SURFACE DEPOSITS

4. ALL HOLES SHALL BE PRE-DRILLED AND FLUSHED CLEAR OF ALL DUST AND

REPLACEMENT, REFER TO DETAIL - MASONRY REPOINTING. 3. THE AREA SURROUNDING THE CRACK SHALL BE CLEANED TO

AND VEGETATION FROM THE SURFACE OF THE STRUCTURE.

THROUGH MASONRY UNITS AND NOT THROUGH JOINTS.

(TRANSVERSE, LONGITUDINAL OR SEPARATING CRACK) THE REPAIR

DETAILS GIVEN AS PART OF THIS DETAIL SHALL BE IMPLEMENTED. THE DETAIL TO BE IMPLEMENTED WILL DEPEND ON THE LOCATION OF THE CRACK. THE DETAIL PROPOSED SHALL BE TO THE SATISFACTION OF THE

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE

7. WHERE CRACKING / DISTORTION OF A STRUCTURE

REMEDIATION, INCLUDING DRAWINGS AND

Brooke Bridge Repair Details - Stitch Repair to Crack in Abutment/Arch Barrel

Code |Originator| Zone | Level | Type | Role |Number | Status | Revision K424 · OCSC · ZZ · XX · DR · C · 0013 A3 C01 Date: 13/03/20Scale: NTS @ A1 Drn by:MF Chkd by:BH Aprvd by:BO'R

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