



SKERRY BRIDGE
REMEDIAL WORKS SCHEME

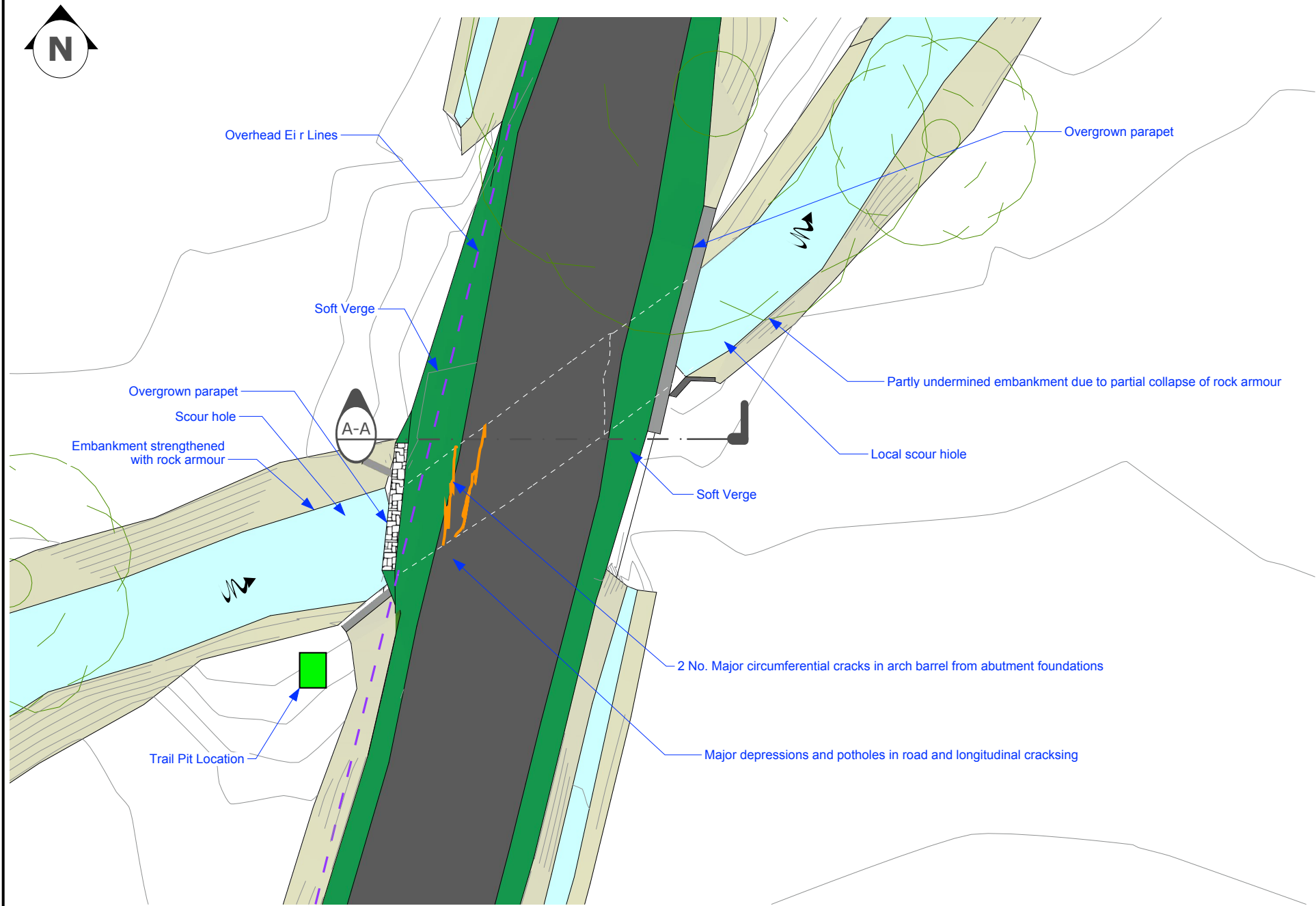
VOLUME A: WORKS REQUIREMENTS
PART 2: DRAWINGS

TENDER ISSUE

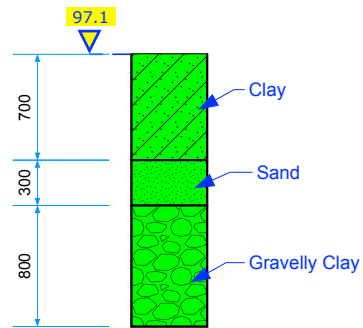


Drawing List
SK01: Location Map
DRG01: Existing Structure - Plan View and Sections
DRG02: Existing Structure - Elevations
DRG03: Proposed Works - Plan View and Sections
DRG04: Proposed Works - Elevations
DRG05: Proposed Works - Details

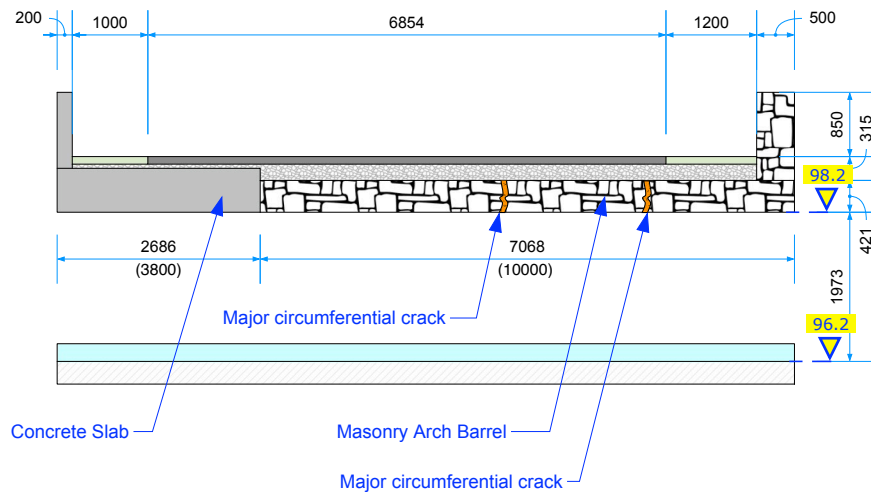
BR285 - SKERRY BRIDGE STRENGTHENING WORKS SCHEME	 Laois County Council Áras an Chontae, Portlaoise, Co. Laois	 MMConsult Bridge and Structural Engineers	TENDER DRAWINGS	
			REVISION A	JULY 2025



Plan View
scale: 1:200
P 01



Trial Pit
scale: 1:100
P 03



Cross Section A-A
scale: 1:100
P 02

- Notes:**
1. All dimensions are in millimetres unless noted otherwise.
 2. All levels are in metres above Ordnance Datum at Malin.
 3. Do not scale from drawings. Use figured dimensions only.
 4. The presence of existing services shall be confirmed by the Contractor prior to commencing work on-site.
 5. The Contractor shall liaise with Laois County Council to confirm arrangements for any site compound or traffic management.
 6. Drawings shall be read in conjunction with the Contract Documents and Principal Inspection Report.
 7. Any discrepancies between the drawings and the Contract Documents are to be brought to the attention of the Engineer.
 8. The Contractor shall develop a proposal for access and environmental protection to the watercourse during the construction works. The Contractor's proposals for access and environmental protection to the watercourse shall be submitted to Laois County Council allowing for consultation with Inland Fisheries Ireland at least two weeks prior to commencing work on-site.
 9. The Contractor shall make provision in his programming of the works to ensure the stability of all bridge components at all times during the works. Where temporary support is deemed necessary, The Contractor shall supply Temporary Works Certificates to the Employers Representative at least 1 week in advance of any works to confirm the suitability of their construction sequence.
 10. For comprehensive levels consult Topographical Survey Drawings given in Information Pack.
 11. Prior to any works commencing on-site the contractor shall undertake a level survey of the existing profile at longitudinal intervals not exceeding 2m. At each cross-section the level of the parapet edge of existing carriageway and centreline of carriageway shall be recorded.

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PROJECT TITLE:
BR285 - SKERRY BRIDGE REMEDIAL WORKS SCHEME
DRAWING TITLE:
EXISTING STRUCTURE - PLAN VIEW AND SECTION

DRAWING No.

DRG 01

PAPER SIZE:

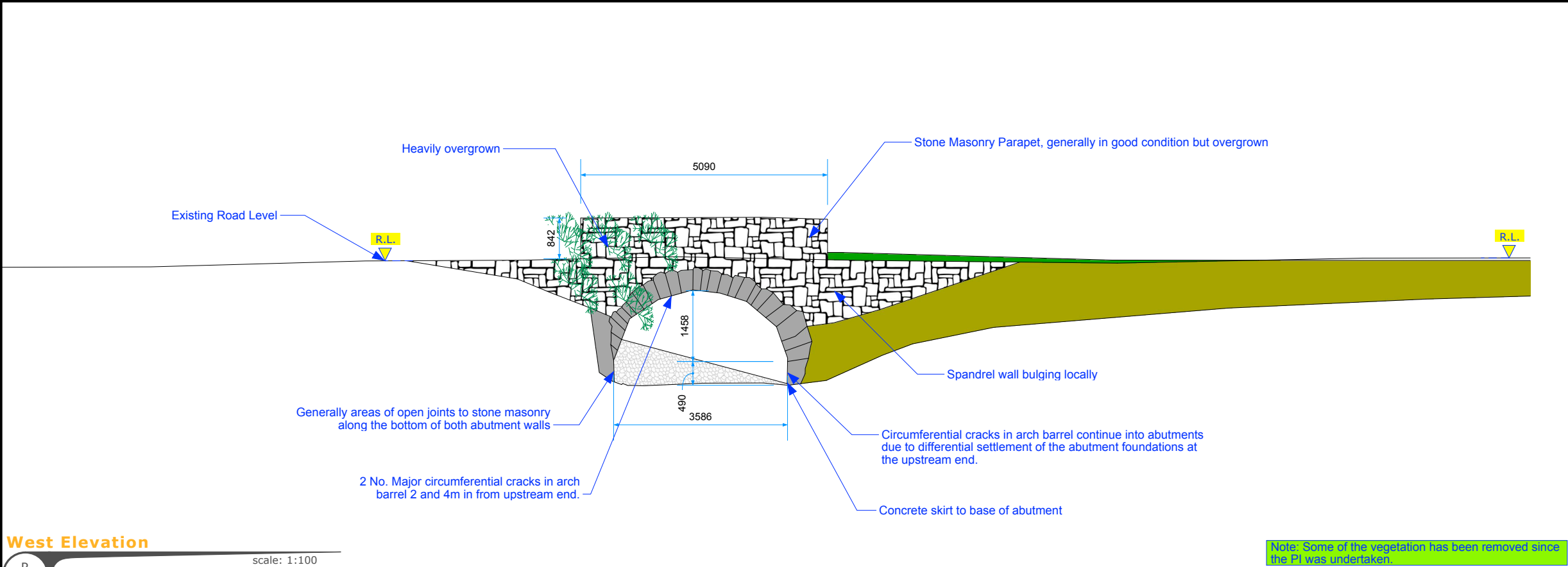
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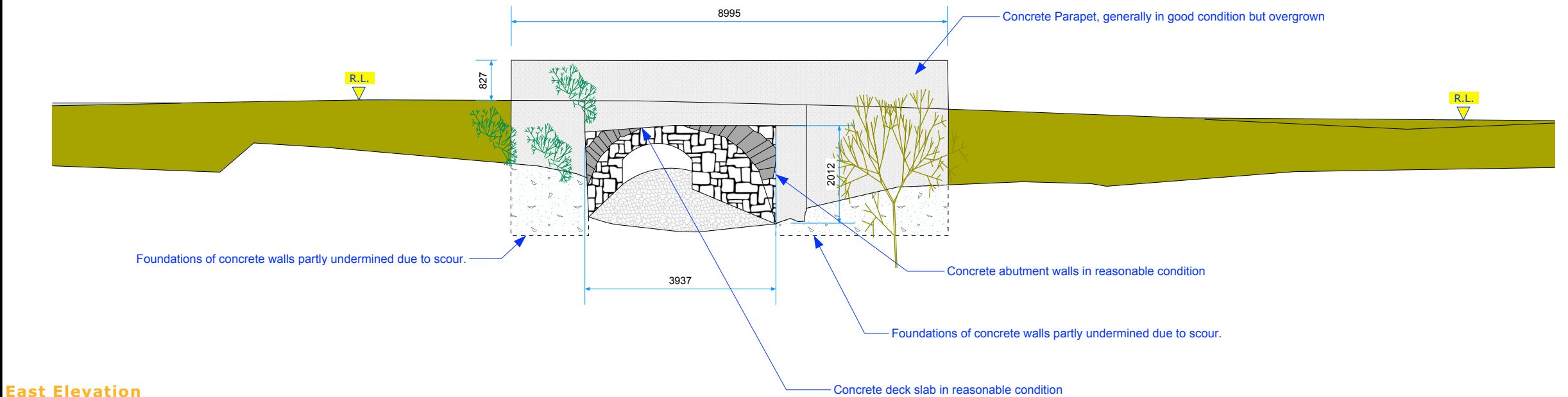
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West Elevation

P 01 scale: 1:100



East Elevation

P 02 scale: 1:100

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PROJECT TITLE:
BR285 - SKERRY BRIDGE REMEDIAL WORKS SCHEME
DRAWING TITLE:
EXISTING STRUCTURE - ELEVATIONS

DRAWING No.

DRG 02

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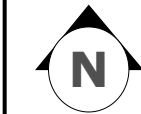
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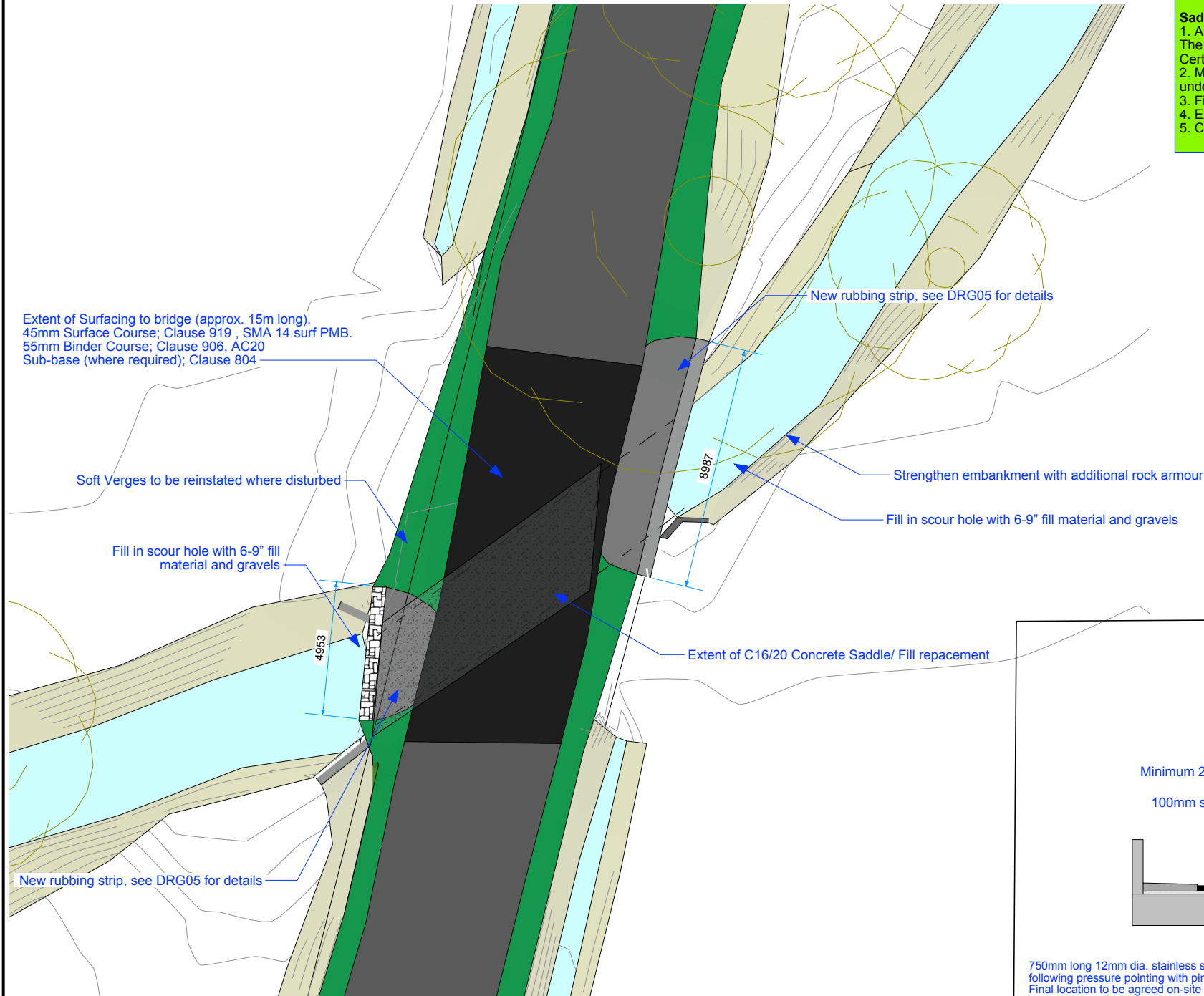
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An Environmental System, protecting the watercourse, with the approval of Inland Fisheries and NPWS shall be constructed and be in place throughout the proposed Works.



Saddle Notes (Summary):

1. A temporary propping system is required to support the arch barrels during the works. The Temporary Works are to be designed by the Contractor and a Temporary Works Certificate in accordance with Appendix 1/32 will be required.
2. Masonry repair to arch barrel and grouting of fill behind and below abutments to be undertaken prior to excavation down to arch barrel and placing of concrete saddle.
3. Fill to be removed symmetrically to prevent unequal loading onto the arch barrels.
4. Extrados of Arch ring to be grit blasted clean.
5. Concrete to be in accordance with Appendix 17/1 & 17/3 of the Specification.

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5. The Contractor shall liaise with Laois County Council to confirm arrangements for any site compound or traffic management.
6. Drawings shall be read in conjunction with the Contract Documents and Principal Inspection Report.
7. Any discrepancies between the drawings and the Contract Documents are to be brought to the attention of the Engineer.
8. The Contractor shall develop a proposal for access and environmental protection to the watercourse during the construction works. The Contractors proposals for access and environmental protection to the watercourse shall be submitted to Laois County Council allowing for consultation with Inland Fisheries Ireland at least two weeks prior to commencing work on-site.
9. The Contractor shall make provision in his programming of the works to ensure the stability of all bridge components at all times during the works. Where temporary support is deemed necessary, The Contractor shall supply Temporary Works Certificates to the Employers Representative at least 1 week in advance of any works to confirm the suitability of their construction sequence.
10. For comprehensive levels consult Topographical Survey Drawings given in Information Pack.
11. Prior to any works commencing on-site the contractor shall undertake a level survey of the existing profile at longitudinal intervals not exceeding 2m. At each cross-section the level of the parapet edge of existing carriageway and centreline of carriageway shall be recorded.

List of Principal Works:

1. Review of information relating to existing services.
2. Preparation and implementation of Traffic Management.
3. Site set-up.
4. Provide environmental system upstream and downstream to allow works to the substructure to be carried out under dry conditions. IFI to be contacted to undertake electrofishing during this process.
5. Removal of all vegetation on and within 1m of the structure.
6. Extensive hand pointing and pressure pointing of all open joints of arch barrel, spandrel walls, parapets and abutments, this will include cracks stitching, as directed.
7. Localised masonry repair of parapets and spandrel wall.
8. Installation of Temporary Works to support the arch barrels.
9. Grouting of fill behind abutments and below abutment foundations
10. Removal of fill above the arch barrel.
11. Installation of concrete saddle.
12. Installation of rubbing strips.
13. Resurfacing to Appendix 7/1
14. Localised riverbed and embankment strengthening

Materials:

1. Concrete: Grade C30/37 for grouting.
2. Concrete Grade C16/20 for saddle
3. Mortar: Lime Mortar in Accordance with Appendix 24/1

Temporary Works Notes:

1. A temporary propping system may be required to support the structure during the works.
2. The Temporary Works shall be designed by the Contractor and a Temporary Works Certificate in accordance with Appendix 1/32 shall be required.
3. The Temporary Works shall consider the affects of asymmetric loading on the structure and the additional outward thrust the wet concrete may have on the spandrel walls.
4. All masonry repair to structure shall be undertaken prior to installation the saddle
5. Concrete to be placed in such a manner to prevent unequal loading on the structure.
6. Concrete to be in accordance with Appendix 17/1 & 17/3 of the Specification.
7. All temporary works to be **removed fully** in advance of any flood events and be reinstated once water levels have dropped back to normal levels.

Environmental Summary:

1. Works to take place under dry conditions.
2. No Machinery to enter the river at any time.
3. Scaffolding to be removed prior to flood events.
4. All fuel to be stored away from the river and any spillages contained and disposed off site.
5. Machinery to be power washed prior to arriving on-site.
6. All rust and cementitious waste material to be contained and removed from site.
7. A Derogation licence form NPWS will be required.
8. The Contractor must produce a detailed Construction Method Statement.
9. Contractor must liaise with IFI and NPWS prior to undertaking the works.
10. There shall be a single access point, one upstream and one downstream of the bridge.

CONSULT APPROPRIATE ASSESSMENT REPORT IN INFORMATION PACK

Plan View

P
01

scale: 1:200

Cross Section A-A

P
02

scale: 1:100

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PROJECT TITLE:
BR285 - SKERRY BRIDGE REMEDIAL WORKS SCHEME

DRAWING TITLE:
PROPOSED WORKS - PLAN AND SECTION

DRAWING No.

DRG 03

PAPER SIZE:

A3

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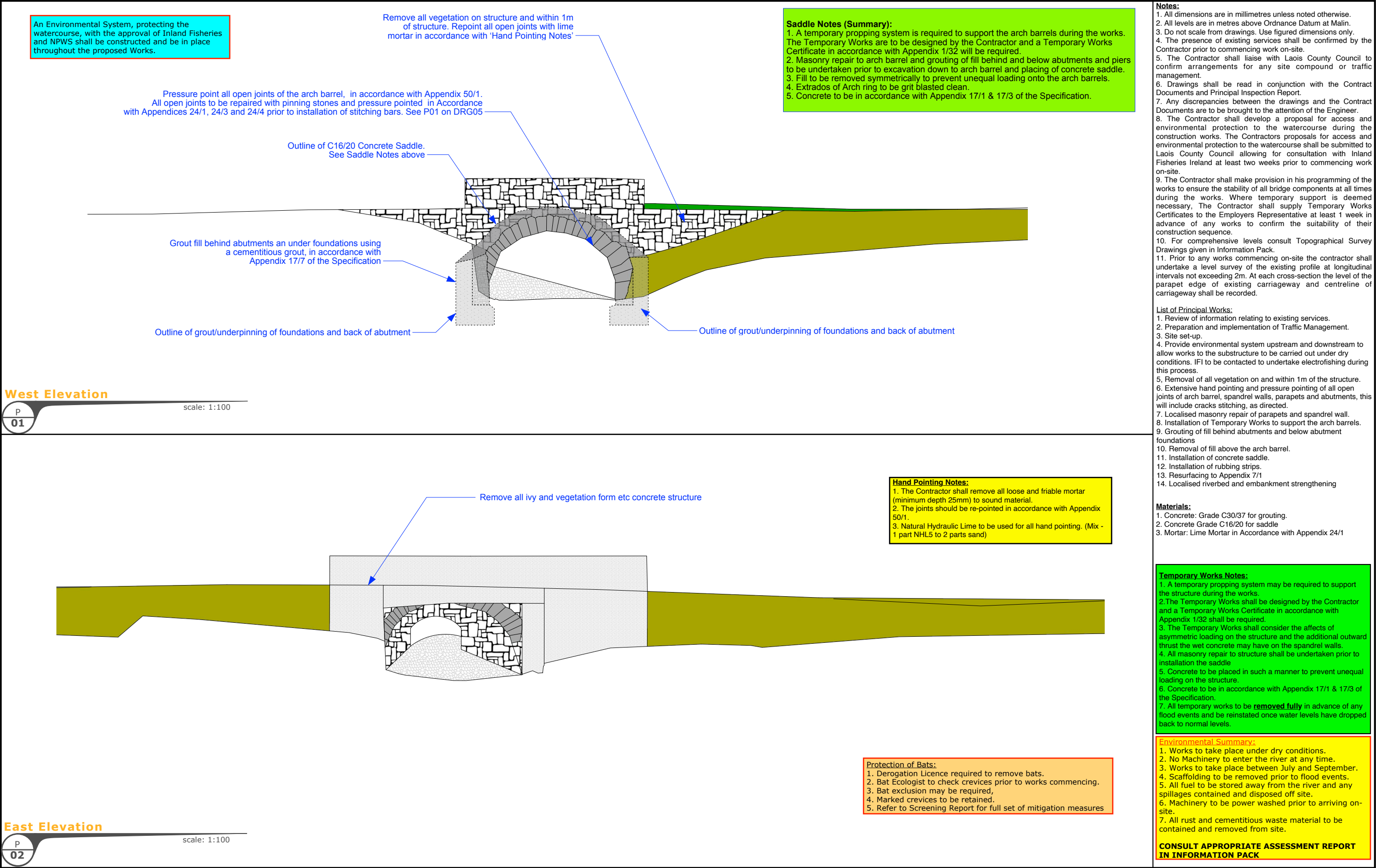
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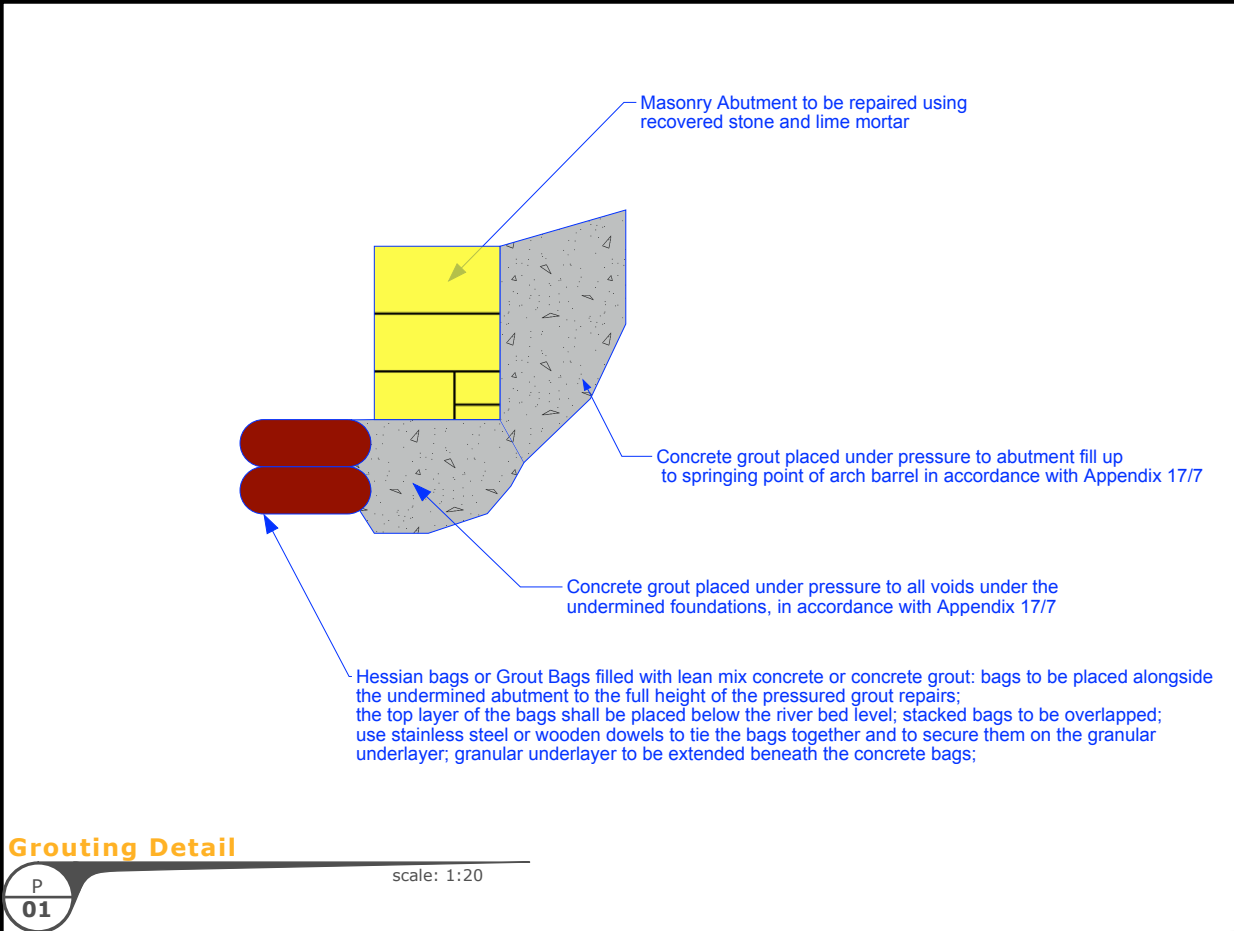
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Hand Pointing Notes:

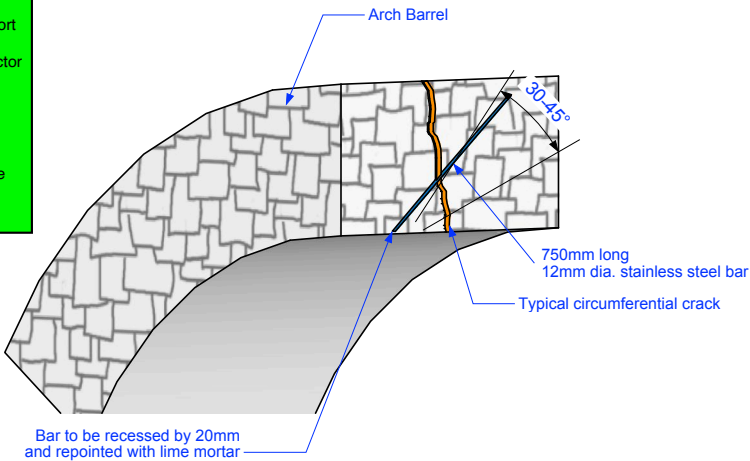
1. The Contractor shall remove all loose and friable mortar (minimum depth 25mm) to sound material.
2. The joints should be re-pointed in accordance with Appendix 50/1.
3. Natural Hydraulic Lime to be used for all hand pointing. (Mix - 1 part NHL5 to 2 parts sand)

Stitching Notes:

1. Major cracks through the arch barrel shall be stitched with proprietary 600mm long grouted 12mm diameter stainless steel stitching bars in accordance with Appendix 24/1 of the Specification at typically 500mm centres.
2. The Contractor shall use an Electric Rotary Drill to avoid further damaging the stonework arch barrel. Holes to be typically 30mm in diameter.
3. The grout used is to be neat cement.
4. All pressure pointing (In accordance with Appendix 24/3) and grouting (In accordance with Appendix 17/7) to arch barrel, piers and abutments shall be first carried out and allowed to harden prior to commencement of the stitching process.
5. Works to be carried out in Accordance with Appendix 24/4 of the Specification
6. Bar to be recessed at least 50mm and the hole repointed.

Temporary Works Notes:

1. A temporary propping system may be required to support the structure during the works.
2. The Temporary Works shall be designed by the Contractor and a Temporary Works Certificate in accordance with Appendix 1/32 shall be required.
3. All masonry repair and grouting to structure shall be undertaken prior to installation of the stitching bars.
4. All temporary works to be **removed fully** in advance of any flood events and be reinstated once water levels have dropped back to normal levels.

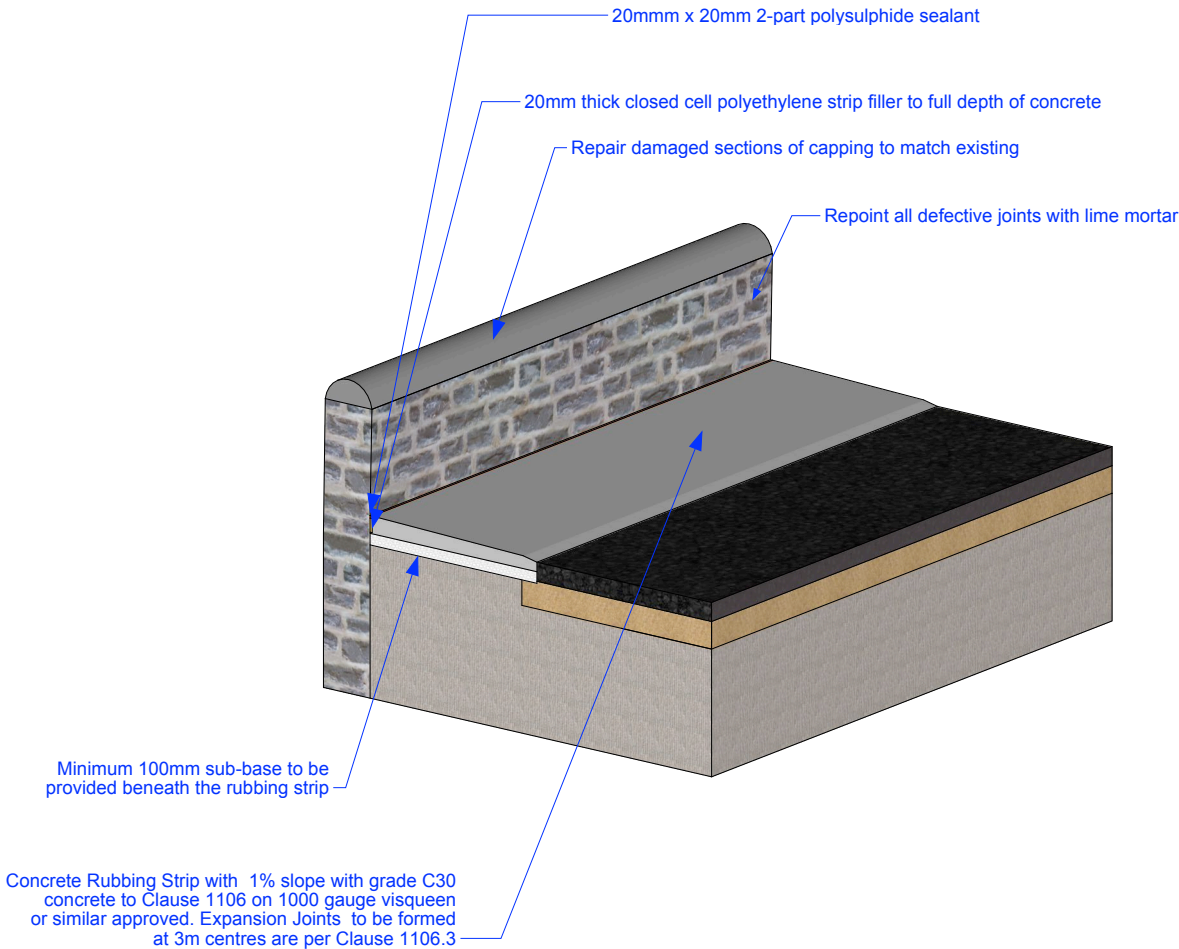


Stitching Detail

scale: 1:50

P 02

Buried services to be protected during the works. Contractor shall liaise with LSCC and undertake their particular requirements



Rubbing Strip and Parapet Detail

scale: 1:50

P 03

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BR285 - SKERRY BRIDGE REMEDIAL WORKS SCHEME

DRAWING TITLE:

PROPOSED WORKS - DETAILS

DRAWING No.

DRG 05

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