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NOTES:

- GENERAL**
 - ALL DIMENSIONS IN [mm] UNLESS STATED OTHERWISE.
 - ALL LEVELS IN [m] IN REFERENCE TO GPS CO-ORDINATE SYSTEM.

- EXISTING STRUCTURE**
 - REDMIRE BRIDGE IS A 3No. 8.5m SPAN, 5.4m WIDE, MASONRY ARCH BRIDGE CARRYING THE C199, A SINGLE LANE TWO WAY CARRIAGEWAY OVER TARGET.
 - THE PROPOSED STRUCTURE IS THE INSTALLATION OF A CONCRETE SADDLE TO THE ARCHES. WORKS TO BE UNDERTAKEN FROM THE CARRIAGEWAY WITH THE ARCH BARRELS ACTING AS PERMANENT FORMWORK.

- ESURFACING**
 - CARRIAGEWAY SHOULD BE LAID TO LINE AND LEVELS DETAILED ON THE DRAWING.
 - CONSTRUCTION SHALL COMPRISE: 40mm HRA 30/14 F SURF 40/60 SURFACE COURSE ON TOP OF MIN. 60 AC20 HDI BIN 40/60 BINDER COURSE.
 - SURFACE IRREGULARITY, ROLLING STRAIGHT EDGE IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS CLAUSE 702 AND TRRL SR 290.
 - BITUMINOUS ANALYSIS PARTICLE SIZE DISTRIBUTION TO BS EN 12687-1-2012.
 - DENSITY (SDG 200 DENSITY METER) MAX. REFUSAL DENSITY.
 - TEXTURE DEPTH VOLUMETRIC PATH TEST TO BS EN 13036-1-2010.

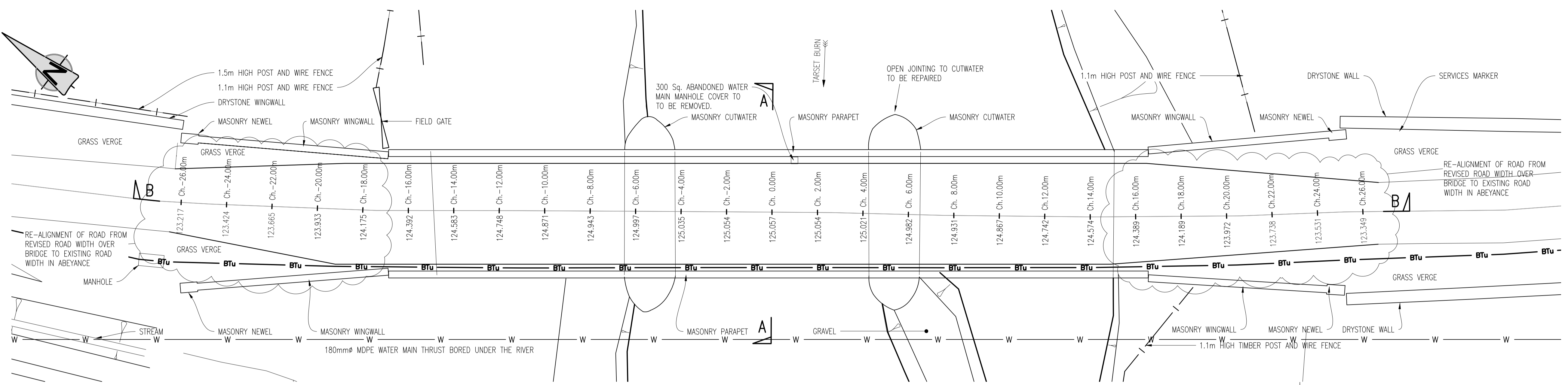
- STRUCTURAL CONCRETE**
 - ALL CONCRETE SHALL BE CLASS NCC/1 UNLESS STATED OTHERWISE.
 - CONCRETE FINISHES TO BE F4 & U2IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAYS WORKS SERIES 1700 CLAUSE 1708.

- CONCRETE CONFORMANCE TESTING**
 - ALL CONCRETE POURS ARE TO BE TESTED BY MEANS OF 4No. CUBES.
 - TWO CUBES ARE TO BE TESTED AFTER 7 DAYS OF CURING, ONE SITE BASED, ONE CURED IN THE LABORATORY.
 - TWO CUBES ARE TO BE TESTED AFTER 28 DAYS OF CURING, ONE SITE BASED, ONE CURED IN THE LABORATORY.
 - COPIES OF THE RESULTS ARE TO BE MADE AVAILABLE TO THE ENGINEER UPON RECEIPT. APPROVAL TO PROCEED MUST BE SENT FROM THE ENGINEER.

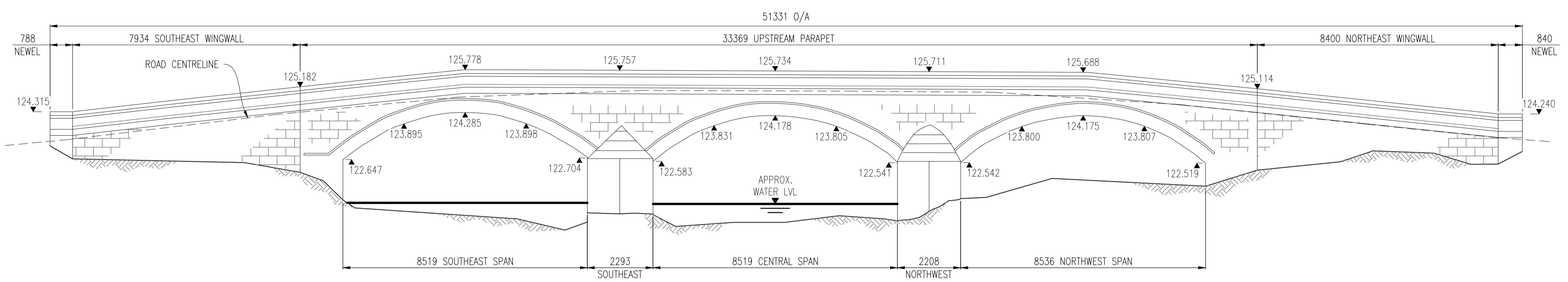
- WATERPROOFING**
 - WATERPROOFING TO BE SPRAY APPLIED.
 - PREPARED CONCRETE FOR WATERPROOFING TO BE INSPECTED BY WATERPROOFING CONTRACTOR PRIOR TO WATERPROOFING APPLICATION.
 - CONTRACTOR TO CARRY OUT ELECTRONIC PINHOLE SURVEY TO DETECT PINHOLES AND MEMBRANE THICKNESS LESS THAN 2mm.
 - COMPLETION CERTIFICATE TO BE ISSUED DETAILING RESULTS OF THE SURVEY AND REMEDIAL ACTIONS TAKEN.

LEGEND

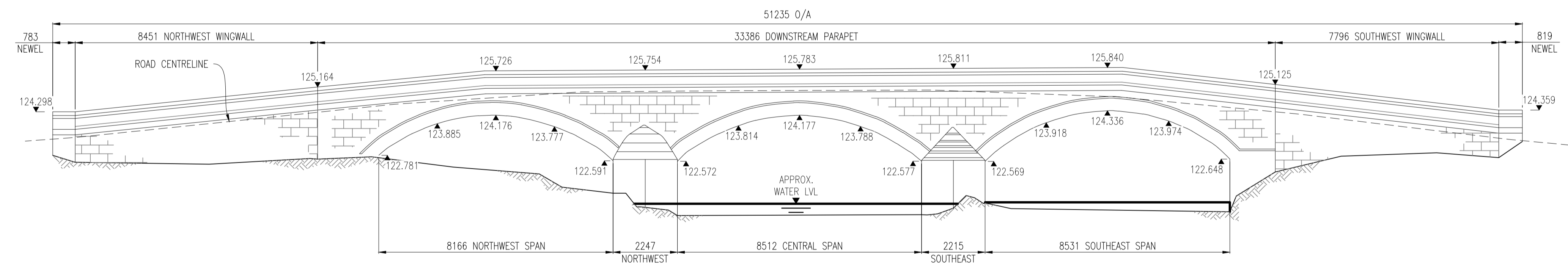
- BTu BT UNDERGROUND PLANT
 - W NWL PLANT THRUST BORED UNDER RIVER
- SERVICES SHOWN ARE IN INDICATIVE LOCATIONS. ACTUAL LOCATIONS TO BE CONFIRMED ON SITE PRIOR TO WORKS.



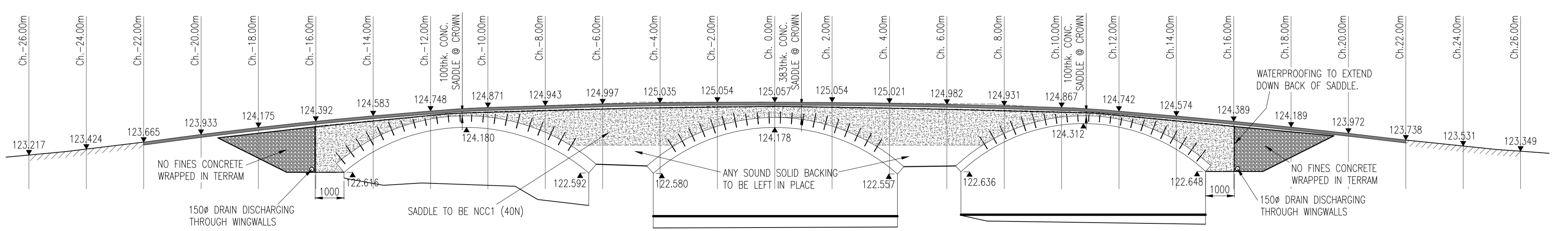
PLAN ON BRIDGE
SCALE: 1:100



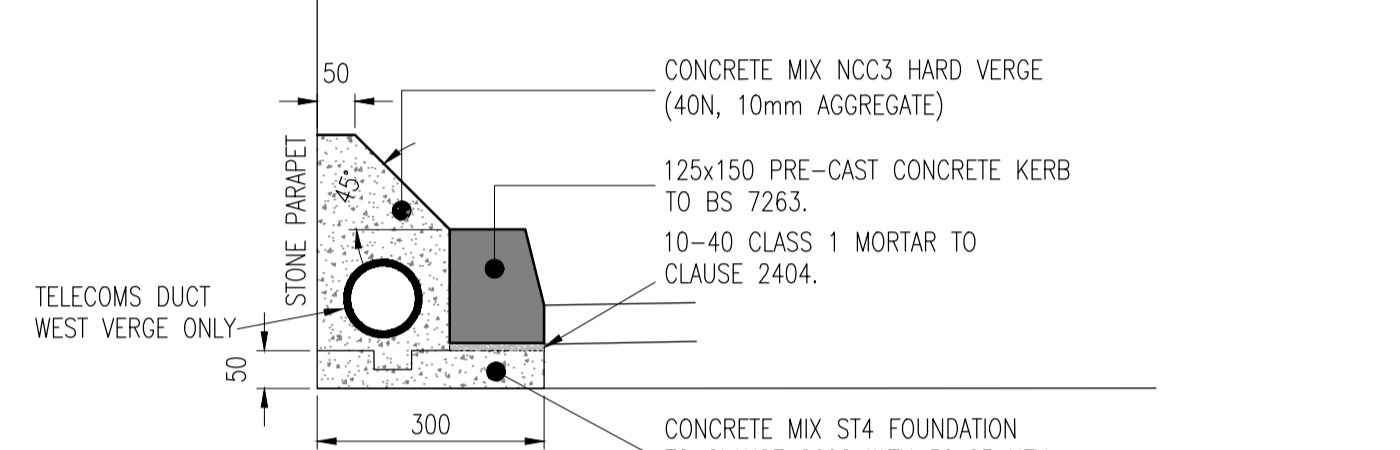
UPSTREAM ELEVATION
SCALE: 1:100



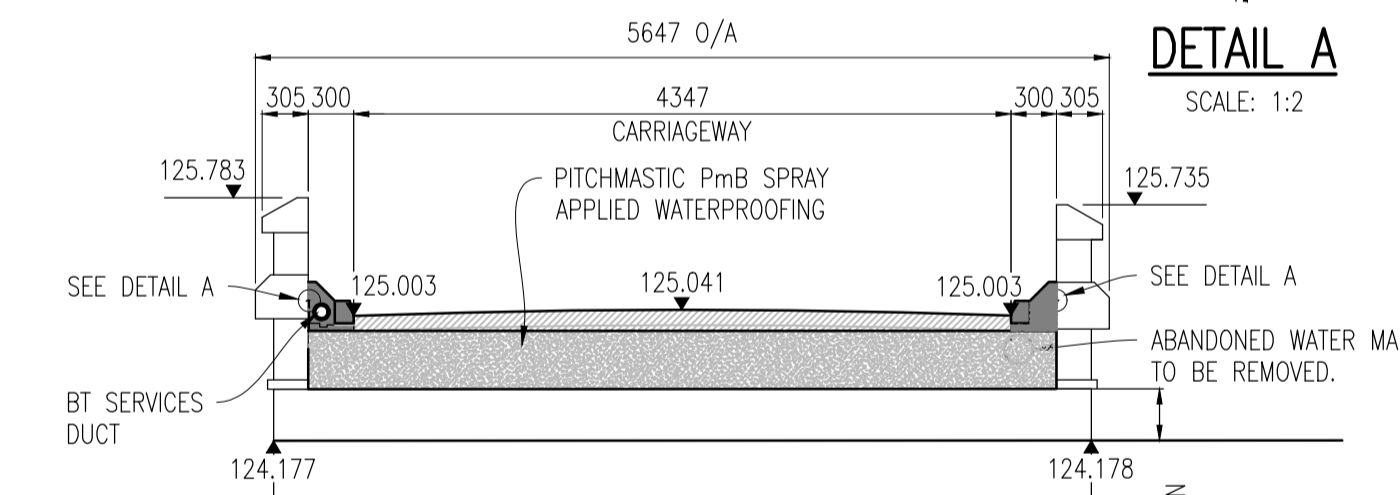
DOWNSTREAM ELEVATION
SCALE: 1:100



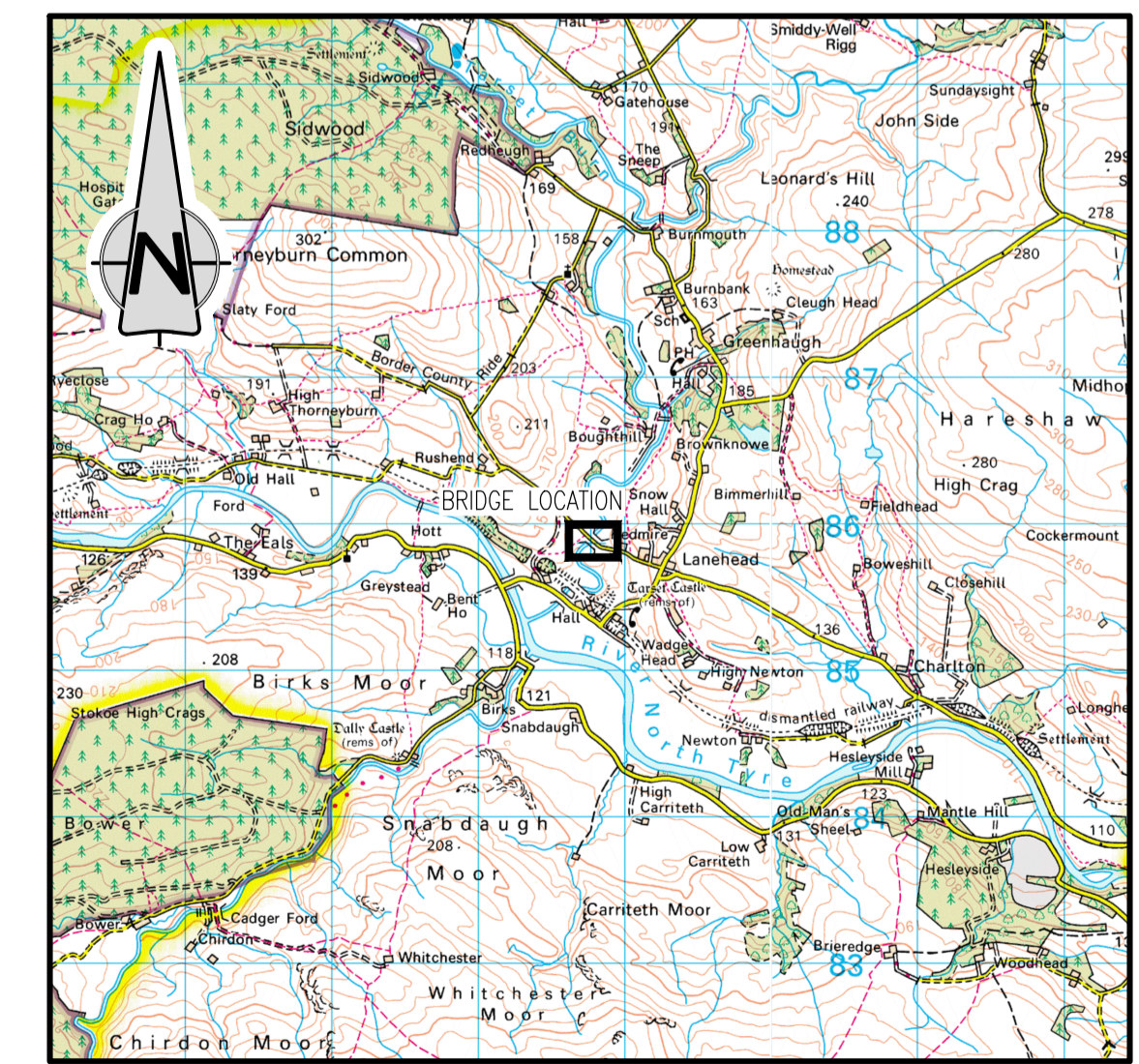
LONGITUDINAL SECTION B - B
THRO' CARRIAGEWAY CENTRELINE - SHOWING ARCH BARREL
THICKNESS CONFIRMED BY TRIAL PITS ON 5/12/16
SCALE: 1:100



TYPE K20 KERB
(HALF BATTER KERB)
SCALE: 1:10



SECTION A - A
THRO' CENTRAL SPAN CROWN
SCALE: 1:50



SITE REFERENCE PLAN
SCALE: 1:50,000

Revision:	By:	Chk:	App:	Date:	Rev:

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Drawing Status: **PRELIMINARY**

Client: NORTHUMBRIA COUNTY COUNCIL
COUNTY HALL, MORPETH
NORTHUMBRIA, NE61 2EF

Job Title: **REDMIRE BRIDGE
C199/14
MASONRY ARCH REFURBISHMENT**

Drawing Title: **PROPOSED
GENERAL ARRANGEMENT**

Scale(s): **AS SHOWN**

Drawn:	Date:	Checked:	Passed:
JT	July 20		

Drawing Number: **HB177318/B/C199/14/02**
Revision:
Oracle Number: **HB177318**