



GOVERNMENT OF BERMUDA

Ministry of Public Works

Department of Works and Engineering

September 20, 2023

Dear Proponents,

Ref: 44-02-115-C Swing Bridge Deck Repairs 2023

This Addendum #2 contains (6) pages including this front page.

The following addendum supersedes information contained in the RFQ to the extent referenced.

This addendum forms part of the RFQ documents and will be subject to all of the conditions set out in the contract.

PART 1 – Questions from Proponents

1. Q) Please advise the size of the bolts that hold the handrail to the decking edge plate as their not shown or called out in the drawings. These will probably have to be replaced with new as we think that many will have to be cut off, so we want to allow for a certain percentage of replacement bolts.

A) After receiving this question we measured the bolts on site and checked the record drawings. The handrail bolts are two different sizes. Bolts connecting the angle bracket to the handrail are 1/2", while the bolts connecting the angle bracket to the decking edge plate are 5/8". The relevant drawing S301 has been updated to reflect this information, and a photograph is included for additional clarity.

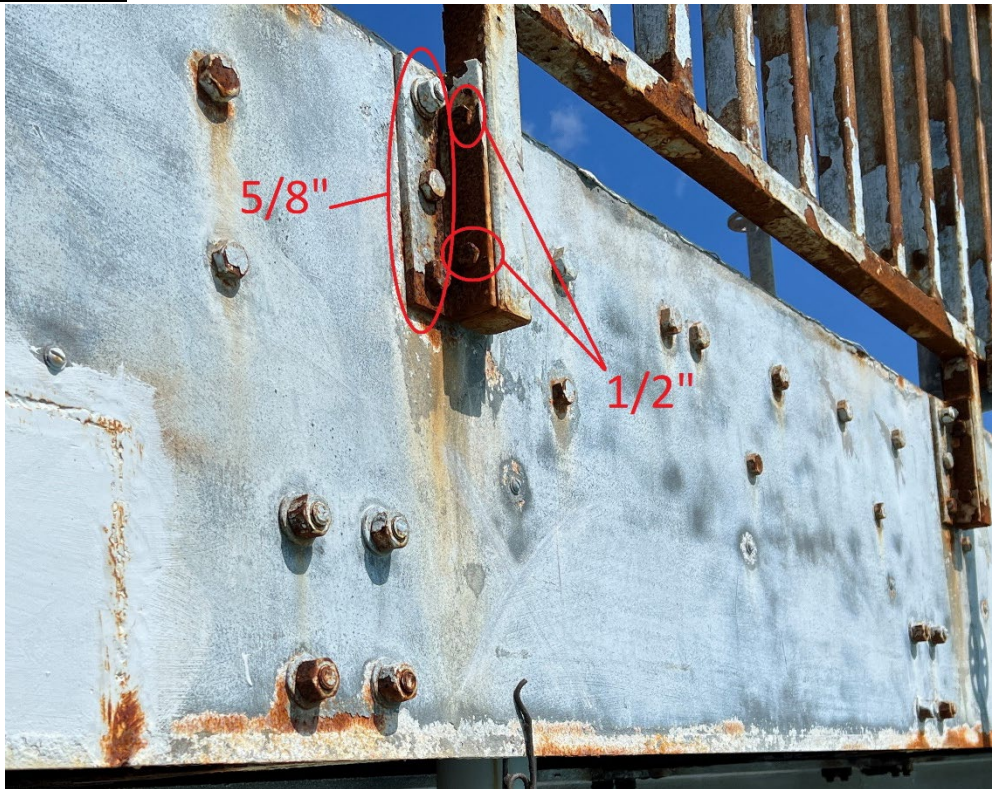
2. Q) During the site meeting, you mentioned that test digs were done on areas of the existing troughing. Can you advise as to the PSI of the concrete in the troughing and the existing curb and whether your test digs were easy or difficult based on concrete PSI?

A) The decking was repaired in 2002/3, and this work included new concrete. The concrete removal work was done with a small excavator and skid loader. Engineer at the time reported that the concrete came out easily, in large chunks along the trough. Refer to photographs. The concrete was reinstated with a 4500psi mix supplied by Biermans (actual strength achieved often exceeds design value). Our test digs showed that the top surface of the troughing is in good condition, and we expect that the concrete-steel bond will be as described during the 2002/3 works.

While the top surface of the steel troughing is believed to be in good condition, the soffit is extensively corroded, particularly in the areas of the work. Contractors should take care when selecting equipment and method of demolition

END OF PART 1

PART 2 – Photographs



Photograph 1 – Bolt clarification



Photograph 2 – Excavator removing concrete from troughs



Photograph 3 – Chunks of concrete during removal, approx. 8" long



Photograph 4 – Concrete removal



Photograph 5 – Deck cleaning



Photograph 6 – Bare troughing

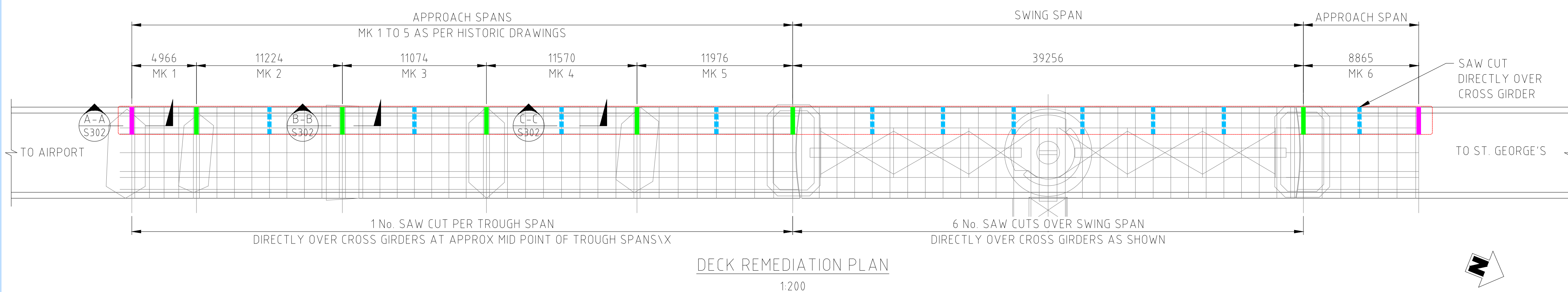
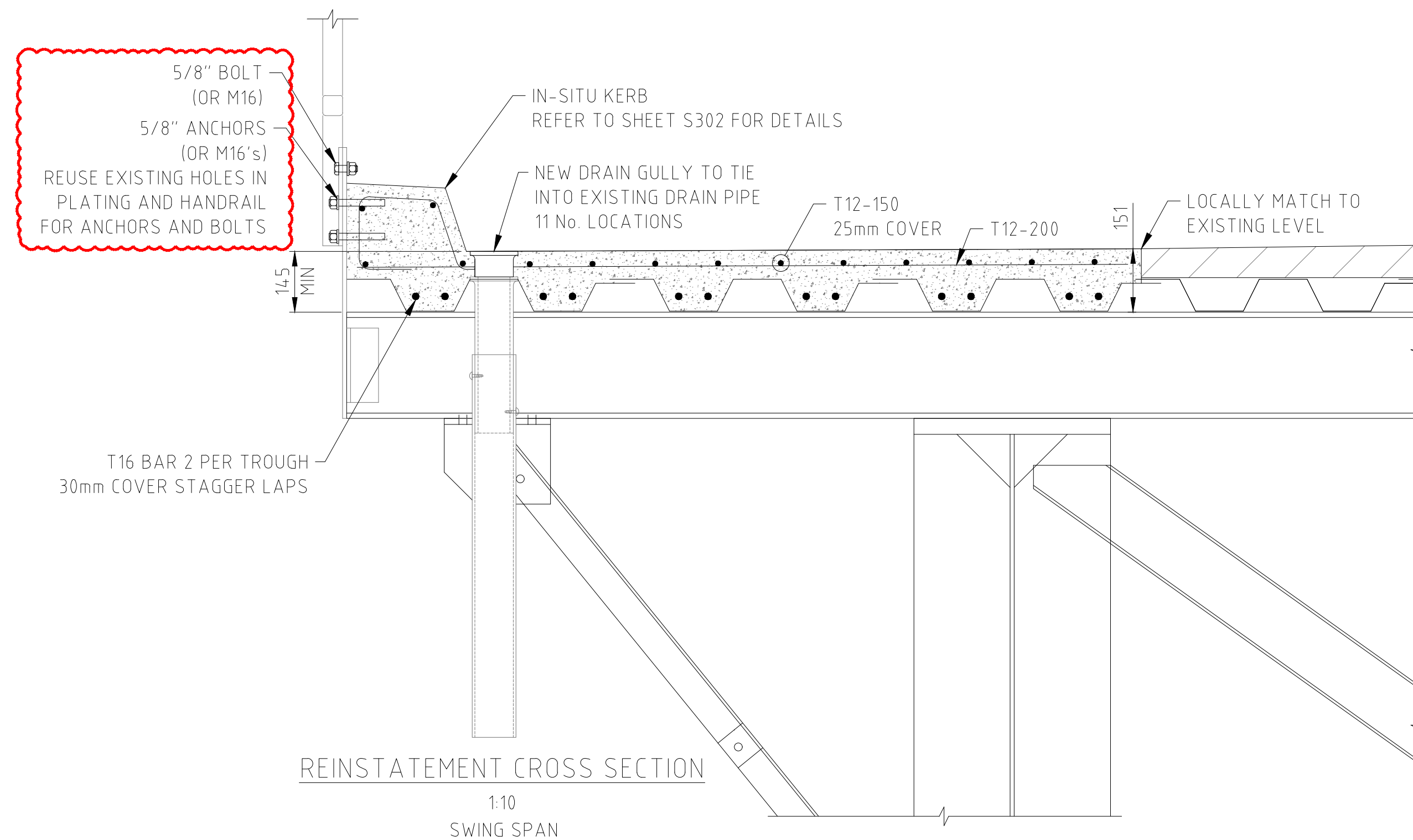
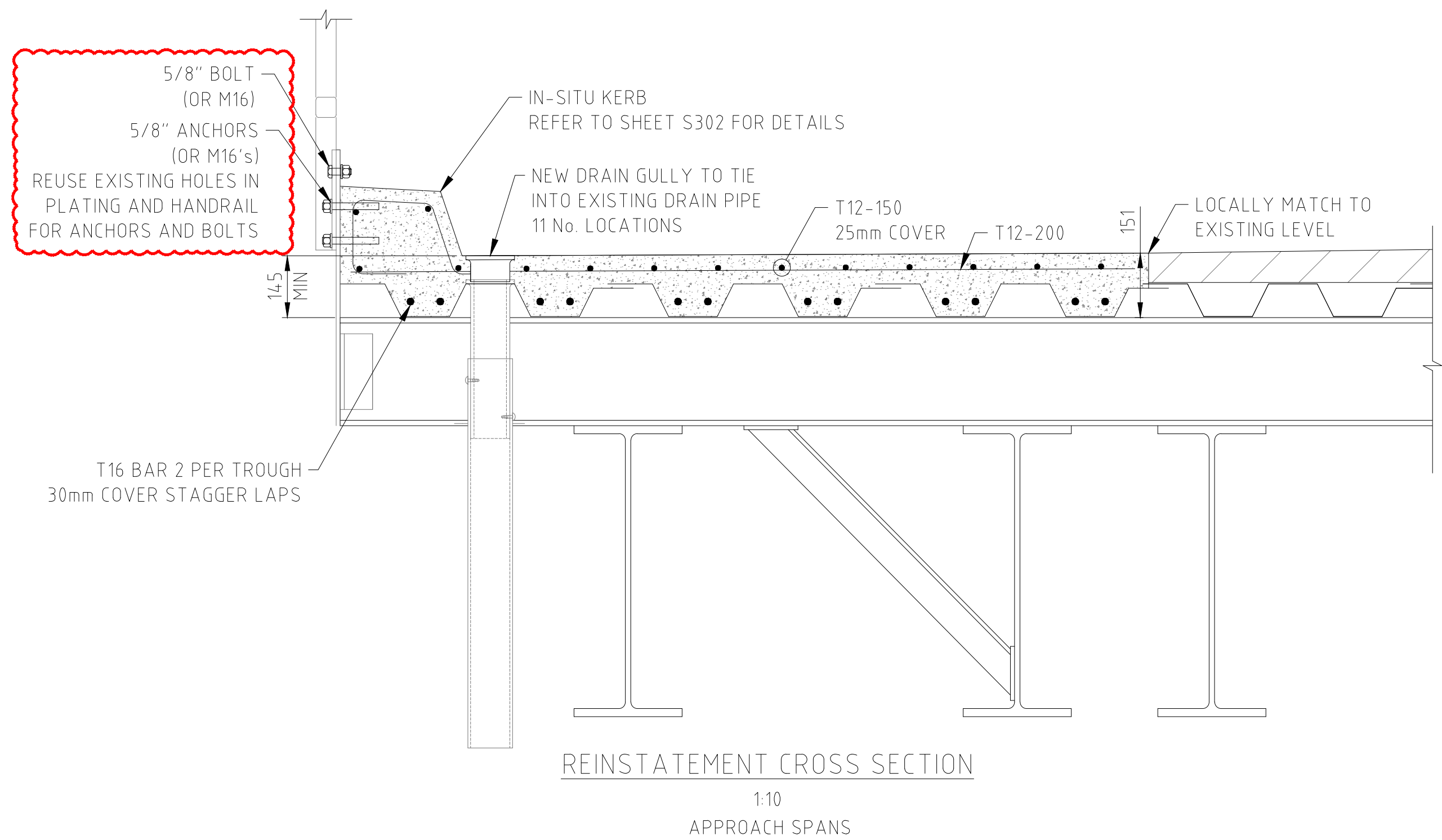
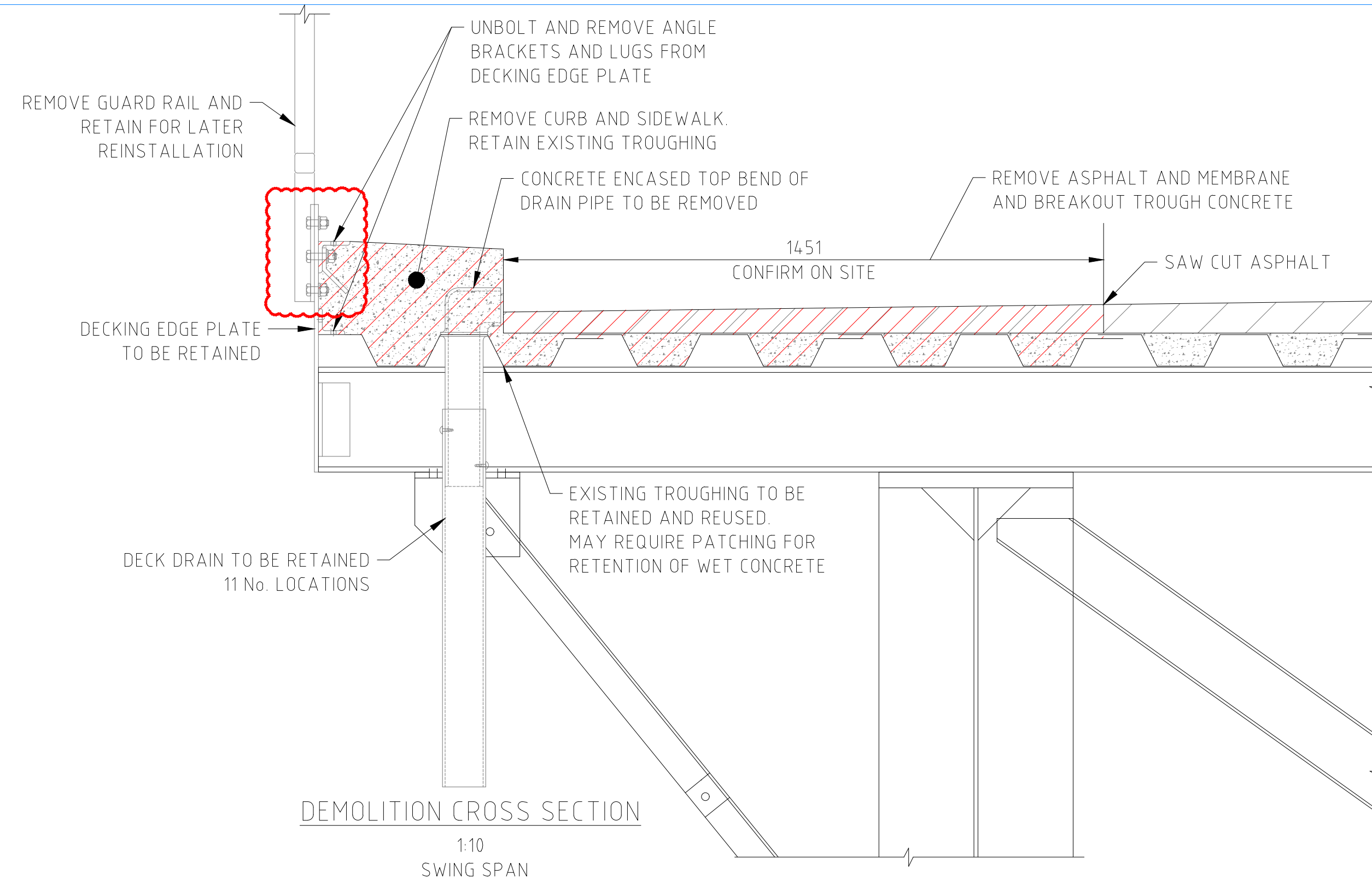
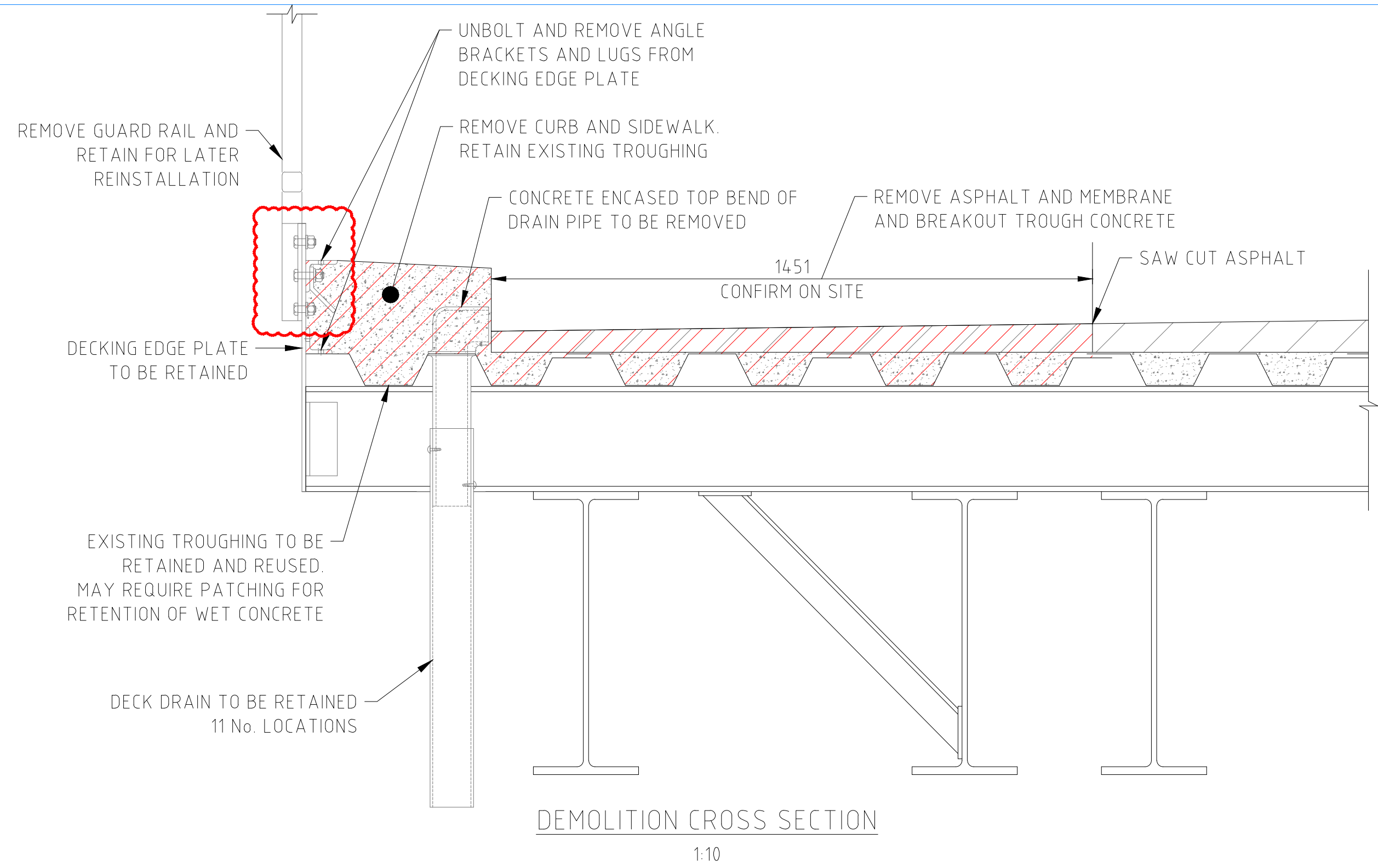


Photograph 7 – Span end plates

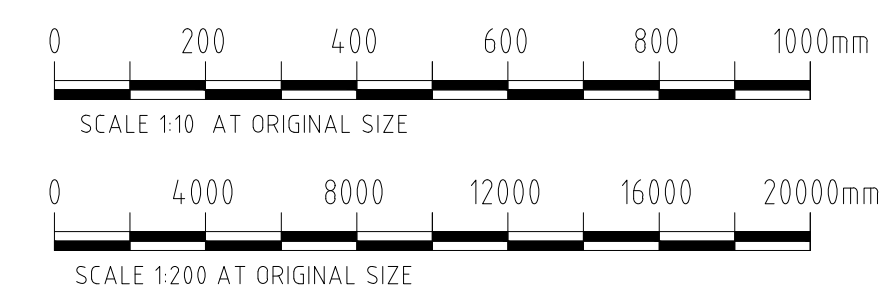


Photograph 8 – Concrete reinstatement

- GENERAL NOTES:
1. REFER TO SHEET S200 FOR FULL NOTES
 2. SURVEY GRID IS BNG2000
 3. LEVELS ARE IN METERS ABOVE ORDINANCE DATUM
 4. CONTRACTOR TO ENSURE STABILITY OF THE STRUCTURE DURING ALL PHASES OF THE WORKS DEMOLITION
 5. USE OF HEAVY EQUIPMENT IS DISCOURAGED
 6. EXISTING TROUGHING MAY REQUIRE PATCHING FOR RETENTION OF WET CONCRETE



KEY	
—	DECK JOINT (REFER TO SHEET S302 FOR DETAILS)
—	BRIDGE END JOINT (REFER TO SHEET S302 FOR DETAILS)
- - -	SAW CUT (REFER TO SHEET S302 FOR DETAILS)



AMENDMENTS:		
NO:	REVISION	DATE:
0	FOR CONSTRUCTION	01/09/23
1	BOLT AND ANCHOR SIZES CORRECTED	19/09/23

ISSUED FOR: INFORMATION

SCALE: AS SHOWN AT ANSI D

SURVEY
PREPARED: — DATE: —

DESIGN
PREPARED: C.FRASER DATE: 17/08/2023
CHECKED: A.KENNY DATE: 17/08/2023

DRAWING
PREPARED: C.FRASER DATE: 17/08/2023
CHECKED: A.KENNY DATE: 17/08/2023

APPROVED BY:
A.KENNY

PROJECT NUMBER:
44-02-115-C

PROJECT NAME:
SWING BRIDGE
TEMPORARY
REPAIRS 2023

ST GEORGE'S
SHEET TITLE:
DECK REMEDIATION
TYPICAL SECTIONS

SHEET NUMBER:
S301

REVISION
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