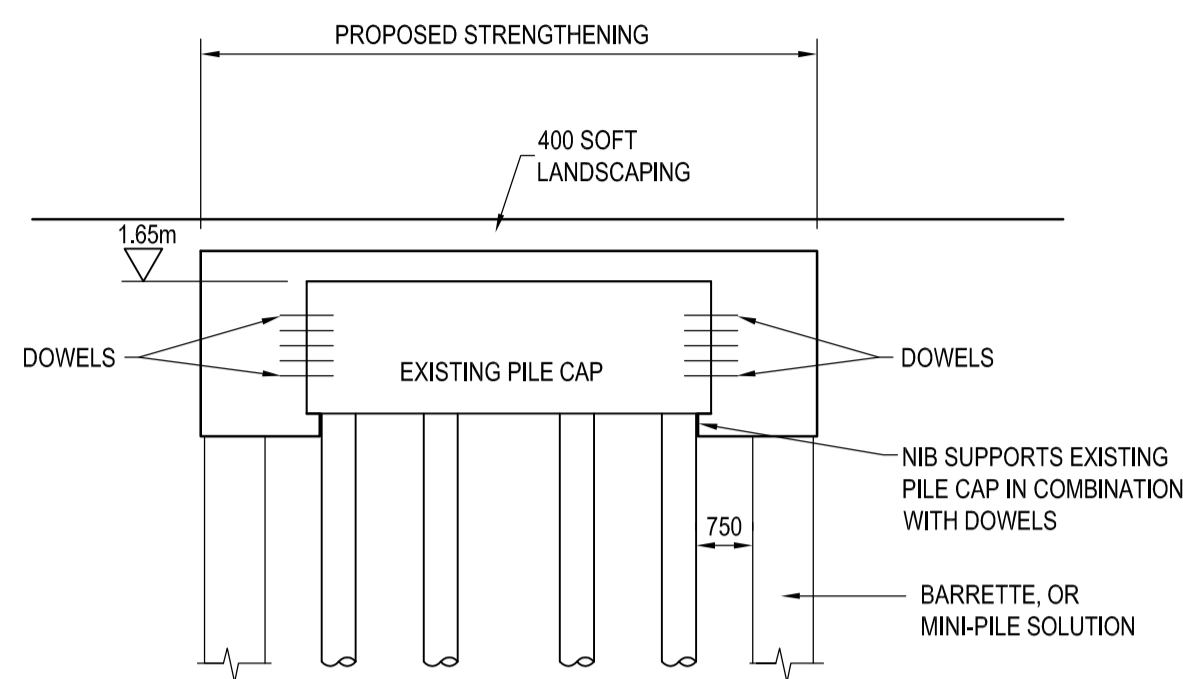
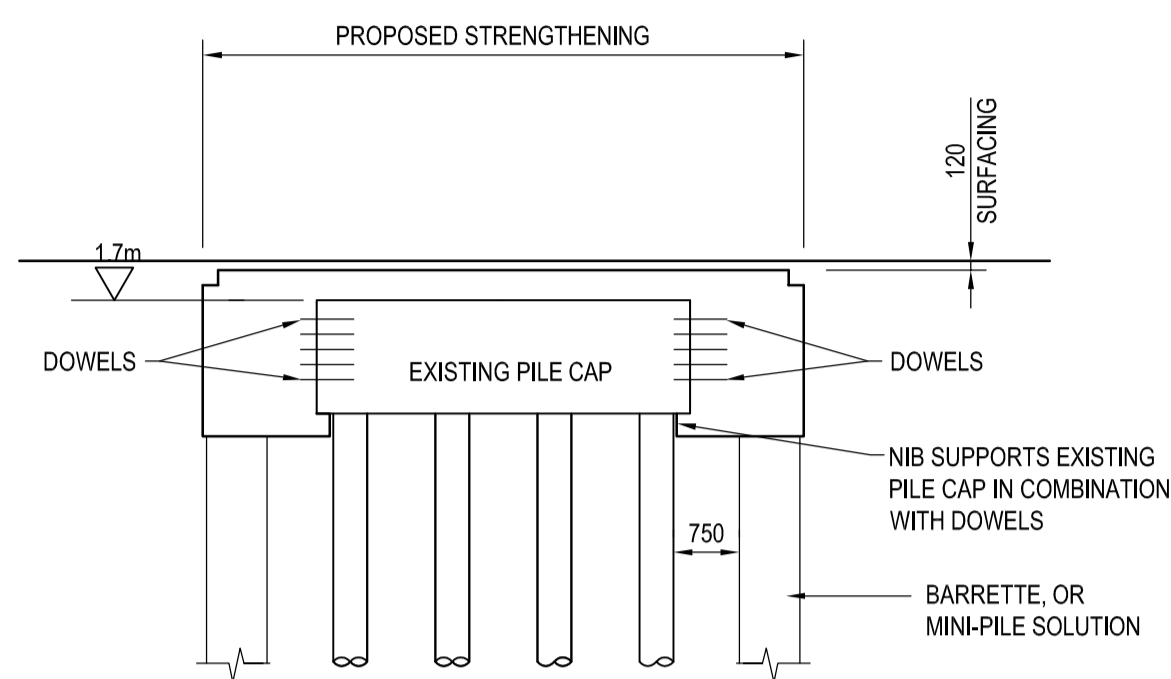


NOTE : 120MM MIN SURFACING PROPOSED ABOVE NEW CONCRETE WITH CONSIDERATION BEING GIVEN TO PROVIDING A GRADUAL INCREASE IN STIFFNESS BETWEEN GENERAL ROAD MAKEUP AND SURFACING DIRECTLY ON TOP OF FOUNDATION.

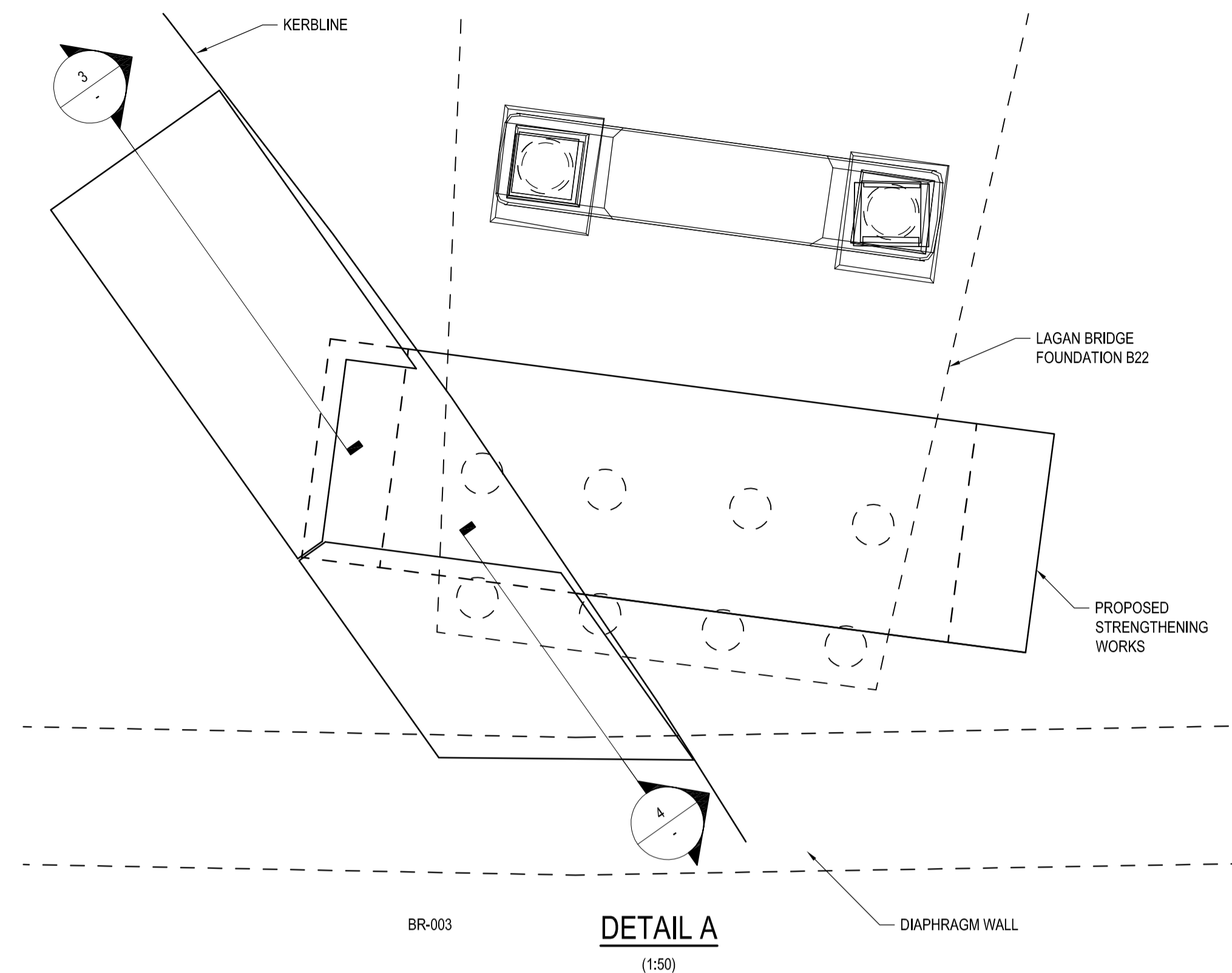


SECTION 1-1
(EXISTING PIER BASE C22)
(1:100)

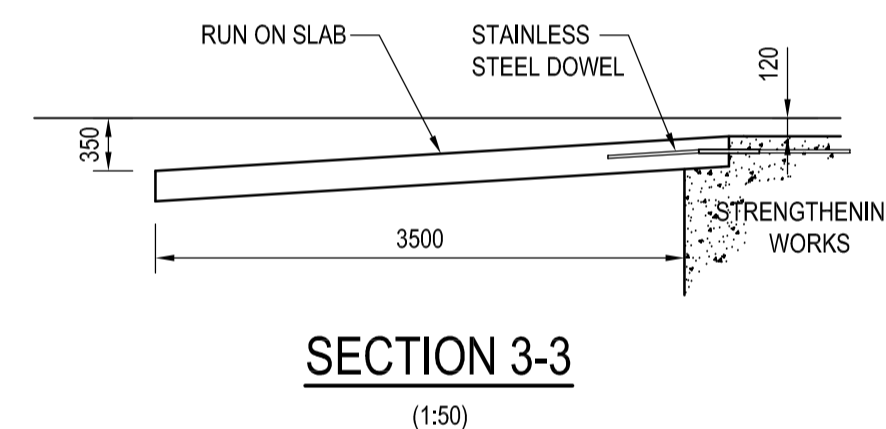


SECTION 2-2
(EXISTING PIER BASE B22)
(1:100)

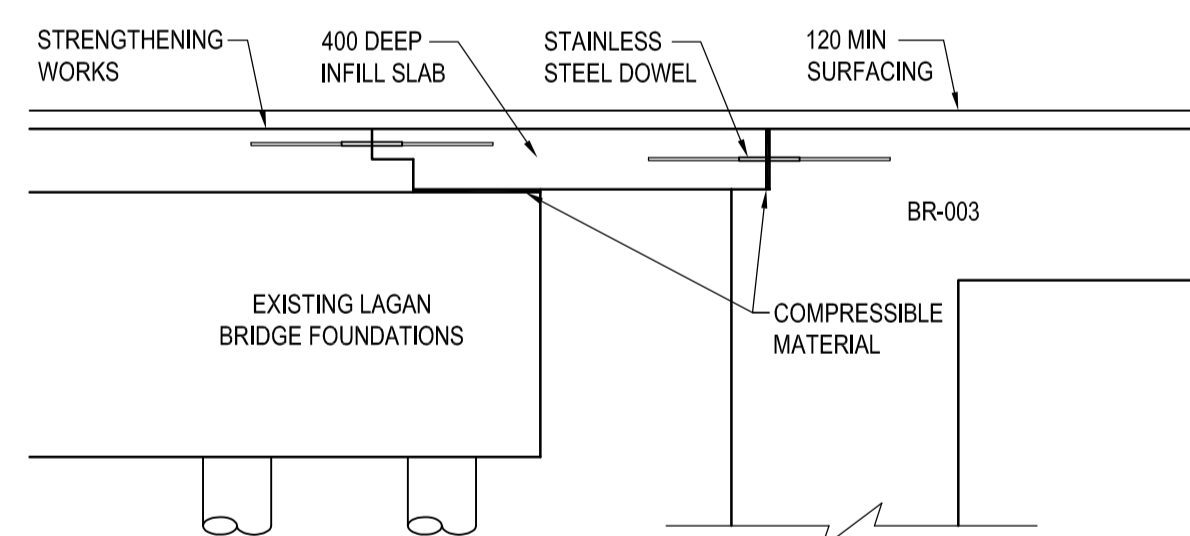
NOTE : DOWELS TO BE DRILLED AND RESIN FIXED. LOCATION AND DEPTH OF PENETRATION TO BE CAREFULLY SELECTED TO AVOID DAMAGING EXISTING REBAR, USING COVERMETERS AND TORQUE LIMITERS.



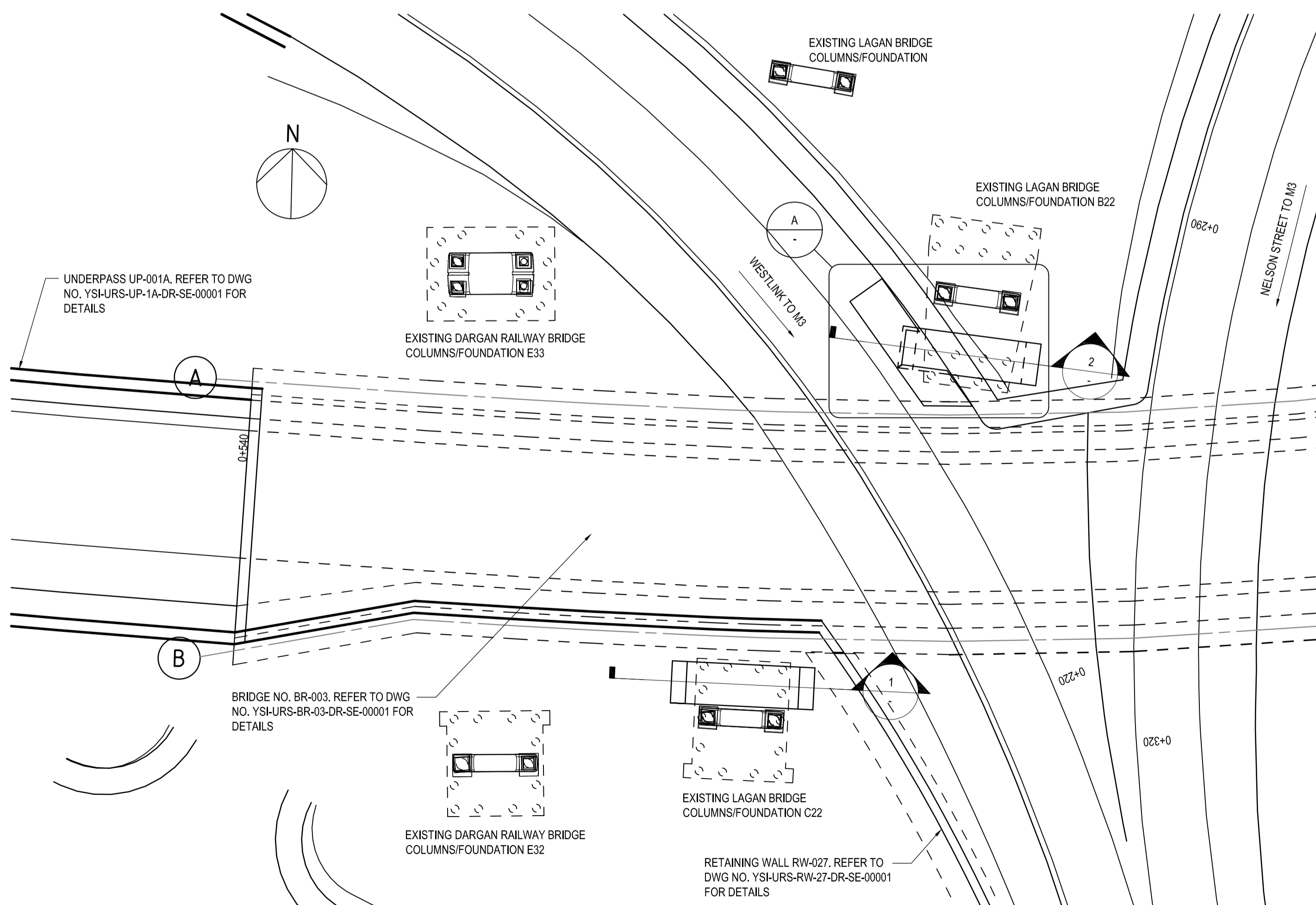
DETAIL A
(1:50)



SECTION 3-3
(1:50)



SECTION 4-4
(1:50)



PLAN
(1:200)

- SUGGESTED CONSTRUCTION SEQUENCE**
- 1) WORKS TO BE UNDERTAKEN DURING PHASE 3 OF STAGE 2 TEMPORARY TRAFFIC MANAGEMENT PLAN, OPTION C.
 - 2) BARRETTES/MINI PILES TO BE FORMED FROM EXISTING GROUND LEVEL AND BROKEN DOWN TO REQUIRED LEVEL. MEASURES TO CONTROL GROUNDWATER MAY BE REQUIRED.
 - 3) FACE OF EXISTING FOUNDATION TO INTERFACE WITH STRENGTHENING WORKS TO HAVE AGGREGATE EXPOSED FOR ENHANCED SHEAR RESISTANCE.
 - 4) SACRIFICIAL SHUTTERING TO BE PLACED BENEATH EXISTING PILE CAP BY LIMITED EXCAVATION, TO FORM NIBS.
 - 5) REINFORCEMENT ADJACENT TO EXISTING PILE CAP (THROUGH WHICH DOWELS WILL PROTRUDE) FIXED.
 - 6) DOWELS FIXED INTO EXISTING FOUNDATION, USING COVERMETERS AND TORQUE LIMITERS TO AVOID DAMAGING EXISTING REBAR.
 - 7) REMAINDER OF REINFORCEMENT FIXED.
 - 8) CONCRETE POURED.
 - 9) RUN-ON SLAB AND SPANNING SLAB FORMED.
 - 10) FINISHES.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

IT IS ASSUMED THAT ALL WORKS ON THIS DRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROPRIATE METHOD STATEMENT.

THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. DO NOT SCALE FROM THIS DRAWING. USE ONLY PRINTED DIMENSIONS.
3. ALL DIMENSIONS IN MILLIMETRES. ALL CHANGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.

Revision Details	By	Check	Date	Suffix

Purpose of Issue: **PRELIMINARY**



Project Title: **YORK STREET INTERCHANGE**

Drawing Title: **LAGAN BRIDGE FOUNDATION STRENGTHENING GENERAL ARRANGEMENT**

Designed	Drawn	Checked	Approved	Date
TH	DSH	DPB	DPB	FEB 2014

URS Internal Project No. _____ Suitability _____
Scale @ A1 _____ Zone _____
AS SHOWN

THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF URS' APPOINTMENT BY ITS CLIENT. URS ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING URS' EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.



Drawing Number: **YSI-URS-FS-01-DR-SE-00001**