

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. REINFORCEMENT SHALL BE DETAIL AND SCHEDULED IN ACCORDANCE WITH BS8666:2005, UNLESS NOTED OTHERWISE.
3. ALL REINFORCEMENT TO BE GRADE E500B OR B500C.
4. ALL REINFORCEMENT SHALL BE SUPPLIED TO BS4449:2005 PART 5.
5. ANNOTATION: B125-95-150 B
6. NUMBER OF BARS 1
7. BAR MARK NO. 1
8. BAR DIAMETER 12.5
9. LOCATION
10. LOCATION ABBREVIATIONS:
T1 - TOP 2ND LAYER
T2 - TOP 3RD LAYER
B1 - BOTTOM 2ND LAYER
B2 - BOTTOM 3RD LAYER
N1 - NEAR FACE 14 LAYER
N2 - NEAR FACE 16 LAYER
F1 - FAR FACE 2ND LAYER
F2 - FAR FACE 3RD LAYER
AB - ALTERNATE BARS REVERSED
ABS - ALTERNATE BAR STAGGERED
UNLESS NOTED OTHERWISE, MINIMUM ANCHORAGE AND DEVELOPMENT LENGTHS SHALL BE AS FOLLOWS (BASED ON BAR DIAMETER):
- | DIAMETER | B16 | B20 |
|----------------------|-----|------|
| 100% LAP (GOOD BOND) | 650 | 900 |
| 100% LAP (POOR BOND) | 930 | 1250 |
7. FOR ELEMENTS ON THIS DRAWING ONLY, THE DEVELOPMENT LENGTH OF ALL REINFORCEMENT (Ld) SHALL BE 50mm, UNLESS NOTED OTHERWISE. THE PERMITTED DEVIATIONS ARE AS FOLLOWS:
 $L_{d, tension} = 1.1 \sigma_{yk} A_{st} / f_{ctd}$
 $A_{st} = \text{Area of steel}$
 $f_{ctd} = \text{Design concrete strength}$
8. REINFORCEMENT HAS BEEN DETAILLED BASED ON NOMINAL COVER. THE ACTUAL COVER ACHIEVED IS NOT LESS THAN C_{min} AND NOT GREATER THAN C_{max} AS SPECIFIED IN THE DESIGN REQUIREMENTS. REINFORCEMENT ADDITIONAL BARS TO AID EXPOSURE OR STABILITY TO BE DETAIL BY THE CONTRACTOR.
9. BS8666:2005 PART 5: 10 SHEETS 01 TO 05.

LEGEND

- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- PROPOSED REINFORCEMENT

Safety, Health and Environmental Information
Notes below are additional to hazards/risks normally associated with

- | | | |
|--|---|--|
| <p>Construction</p> <p> New sheet pile walls to be installed prior to any excavation to maintain stability of existing retaining walls. No damage to be caused to existing walls during installation.</p> <p> Excavation operations to be carried out only with no ground settlements in the area</p> | <p>Operations & Maintenance</p> <p> No risk</p> | <p>Dewatering / Desilting (if true)</p> <p>No risk identified</p> |
| <p>Refer to general notes and the Principal Contractor for more information about the risks associated with this work.</p> <p> Indicates residual risk rating, based on the use of experienced and competent contractors carrying out work</p> | | |

A	ISSUED FOR DETAILED DESIGN	DC JSJG 22/11/18
Rev	Revision details	Chkd: Appld: Date:
Drawn: DSF		Preliminary
Design: AC		For comment
Chkd: DC		For tender
Appld: JSJG		For construction
Date: NOV 2019		As constructed
		Closed



BOTWELL BRIDGE WIDENING

Drawing Title
NORTH AND SOUTH PIERS
R.C. DETAILS

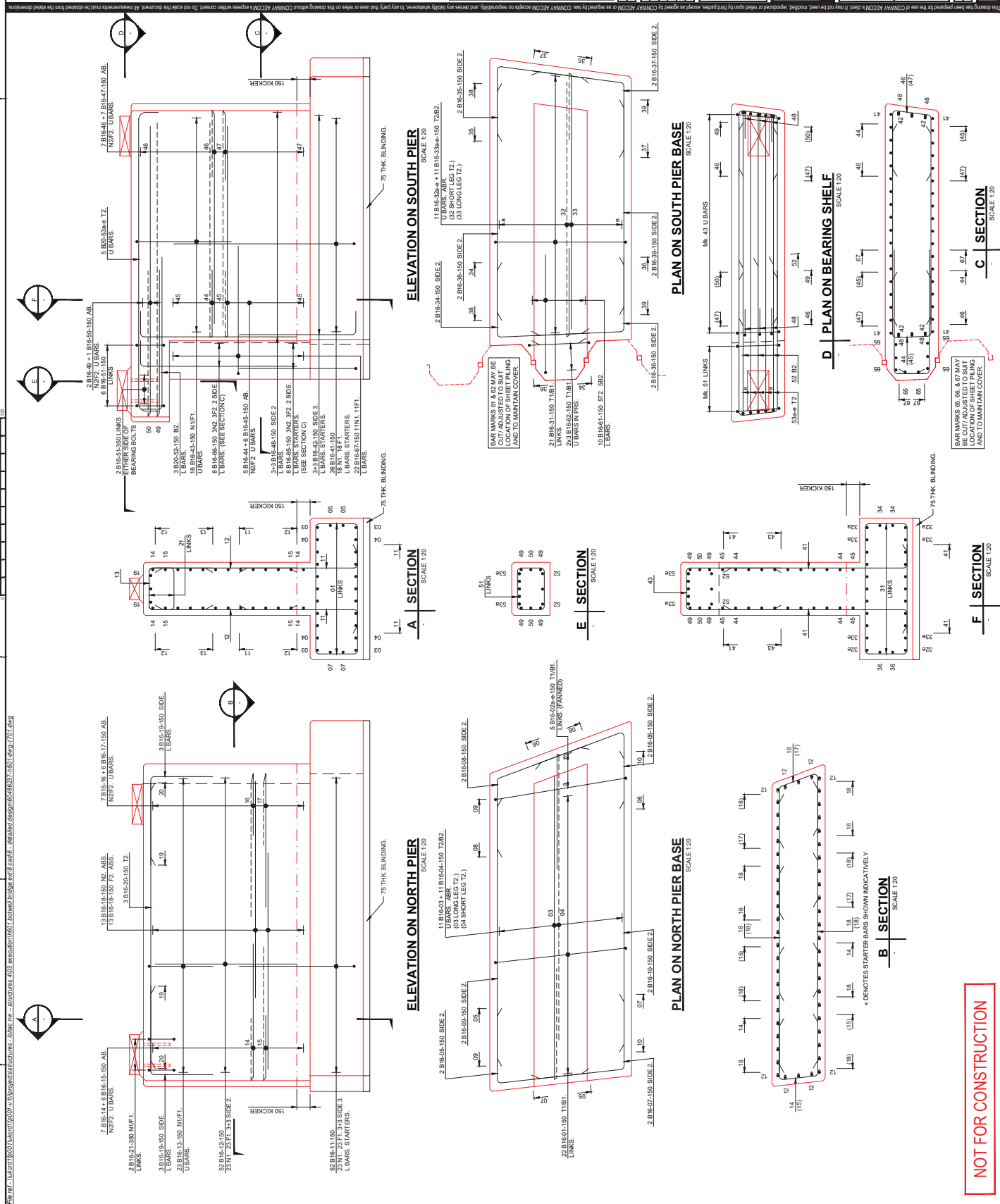
Original Drawing Size : A1	Dimensions : mm
Scale : AS SHOWN	Copyright © ConwayAEC.com

Drawing No

60486237-H501-DWG-1701

Rev

A



NOT FOR CONSTRUCTION