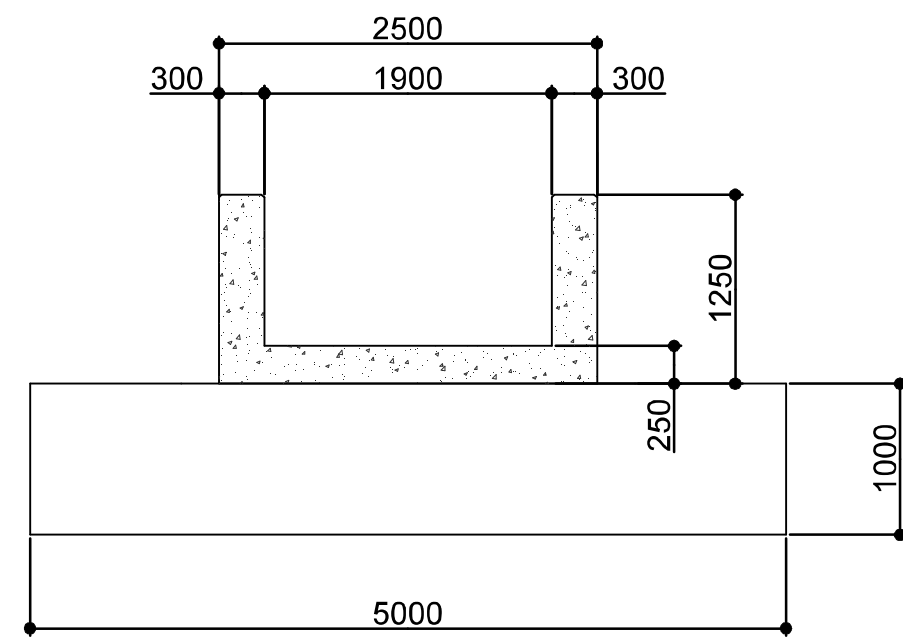
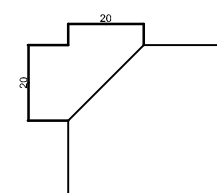




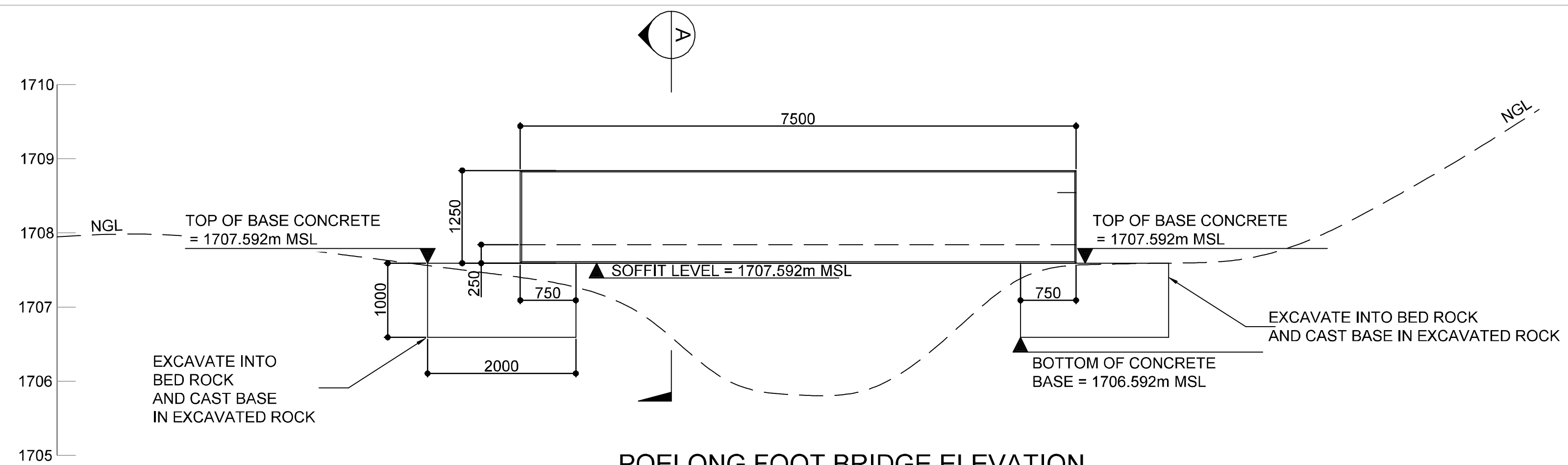
SECTION A-A

SCALE 1 :50



CHAMFER DETAIL

SCALE 1 :5



POELONG FOOT BRIDGE ELEVATION

SCALE 1 :50

+3161300 X

+23300 Y

+3161300 X

+23250 Y

+3161350 X

+23300 Y

+3161350 X

+23250 Y

EXISTING BRIDGE STRUCTURE  
TO BE DEMOLISHED

PLB02

PLB03

TP1

PLB04

PLB01

TP2

TP3

BENCH MARK NO. BHM 8  
12mm BTN 1711.569m

| COORDINATE LIST WGS 84 LO19° |            |               |
|------------------------------|------------|---------------|
| ID                           | Y          | X             |
| PLB01                        | 23 276.269 | 3 161 340.079 |
| PLB02                        | 23 276.731 | 3 161 335.100 |
| PLB03                        | 23 266.773 | 3 1613 34.177 |
| PLB04                        | 23 266.312 | 3 161 339.156 |
| TP01                         | 23 263.940 | 3 161 331.980 |
| TP02                         | 23 291.290 | 3 161 347.550 |
| TP03                         | 23 319.670 | 3 161 342.070 |
| BHM8                         | 23 316.554 | 3 161 363.544 |

POELONG FOOTBRIDGE  
SITE LAYOUT PLAN

SCALE 1 : 200

NOTES:

DRAWINGS NOT TO BE SCALED

DIMENSIONS TO BE CHECKED AND CONFIRMED  
ON SITE AND ANY DEVIATIONS IS TO BE  
REPORTED TO THE ENGINEER BEFORE  
COMMENCEMENT OF THE WORKS

1. CONCRETE CLASS:

30/19 FAST CURING TO BE USED ON  
FOUNDATIONS

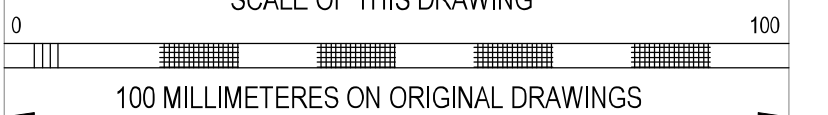
2. CONCRETE COVER:

2.1 50mm OVER MAIN STEEL IN FOUNDATIONS  
2.2 30mm IN SLABS

3. ALL EXCAVATIONS TO BE APPROVED BY THE  
ENGINEER ON SITE BEFORE CASTING OF  
CONCRETE FOUNDATIONS

REDUCED DRAWING

SCALE OF THIS DRAWING



FOR TENDER

|                 |            |       |          |
|-----------------|------------|-------|----------|
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|                 |            |       |          |
| No.             | AMENDMENTS | APPR. | DATE     |
| SURVEYED        |            |       |          |
| SURVEY PLOTTED  |            |       |          |
| DRAWN           | R BOSCH    |       | 07/10/10 |
| DRAWING CHECKED | R BOSCH    |       | 07/10/10 |

PROJECT MANAGER

DATE:

EXECUTIVE DIRECTOR INFRASTRUCTURE

DATE:



MALUTI-A\_PHOFUNG  
LOCAL MUNICIPALITY

PHUTHADIJHABA QWA-QWA:  
QWA-QWA FOOTBRIDGES  
(MONANTSIA)

POELONG FOOTBRIDGE  
ELEVATION, SECTION  
AND SITE LAYOUT PLAN

SCALE

AS SHOWN

SHEET 1 OF 1 SHEETS

6183 PCE 401

NOTES FOR BASES AND FOUNDATIONS

1. ALL DIMENSIONS AND LEVELS OF BASES RESERVED UNTIL EXCAVATIONS HAS BEEN APPROVED BY THE ENGINEER.
2. ALL EXCAVATIONS TO BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE CONSTRUCTION IS TO COMMENCE.
3. EXCAVATE TO BEDROCK AND FILL EXCAVATION TO UNDERSIDE OF BASE WITH COARSE GRAVEL 20mm-60mm IN DIAMETER IN LAYERS OF 200mm AND COMPACT TO 93% MOD.

NOTES FOR CONCRETE WORK:

1. ALL STRUCTURAL CONCRETE TO BE IN ACCORDANCE WITH SABS 1200 G.
2. A MIX DESIGN TO BE APPROVED BY THE ENGINEER BEFORE ANY CONCRETE IS TO BE CAST.
3. THE ENGINEER IS TO BE NOTIFIED AT LEAST 36hrs BEFORE AN INSPECTION IS TO TAKE PLACE. NO CONCRETE WILL BE CAST BEFORE THE ENGINEER HAS APPROVED THE CAST.
4. CONCRETE MUST BE CURED FOR AT LEAST 7 DAYS BY PREVENTING THE EVAPORATION OF MOISTURE.
5. CONCRETE MIXES FOR THIS PROJECT (28 days):  
BLINDING LAYER ..... Class 15/19  
BASES..... .. Class 30/19  
BRIGE DECK ..... Class 30/19
6. MINIMUM CONCRETE COVER:

FOUNDATIONS .....50mm  
COLUMNS.....50mm  
BRIDGE DECK..... 30mm

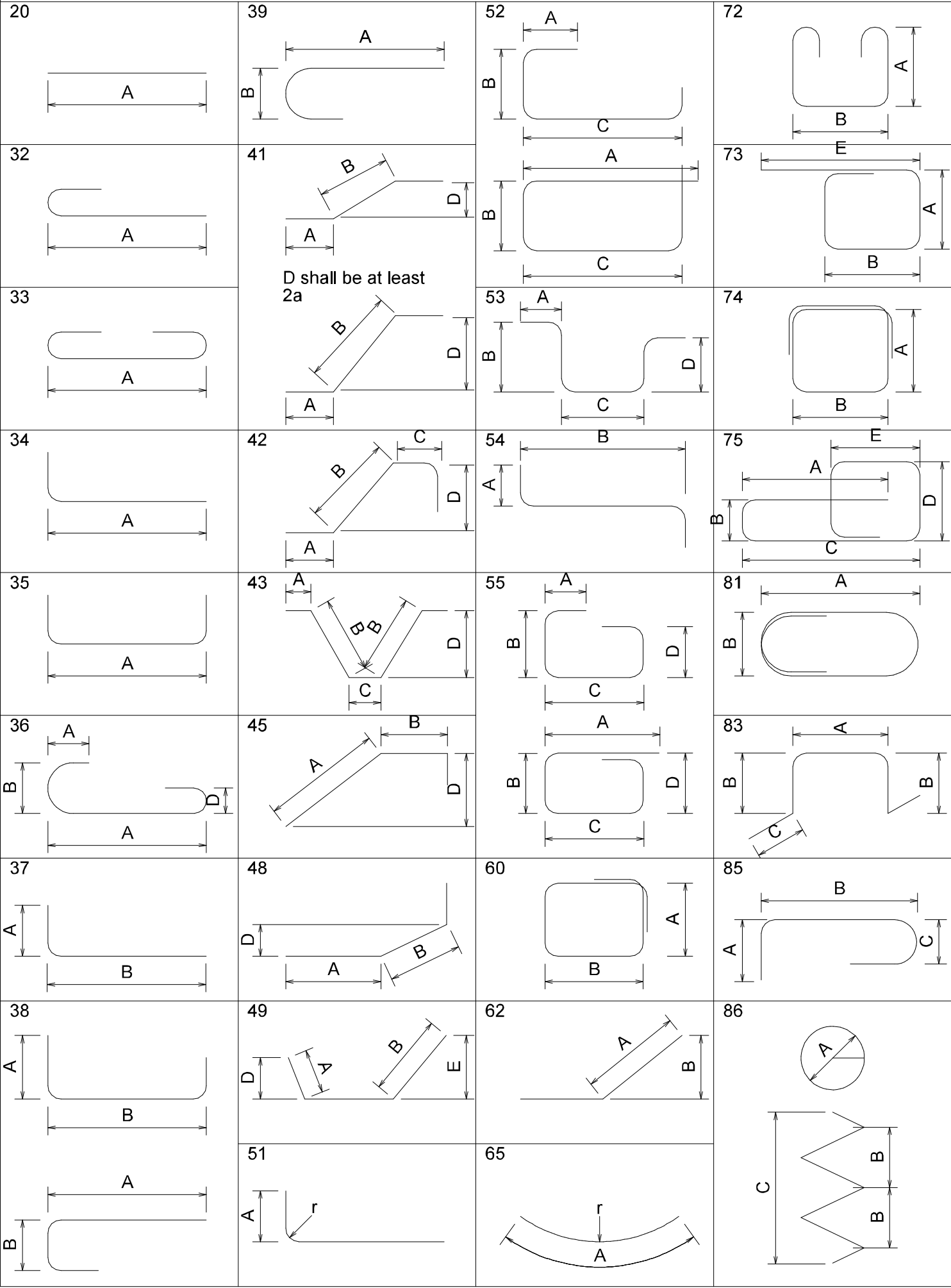
NOTES FOR REINFORCEMENT JOINTS:

1. REQUIRED LAP LENGTH IS 40 x DIAMETER OF BAR

Y16 = 640mm  
Y12 = 480mm  
Y10 = 400mm

SUMMARY OF SHAPE CODES

SABS 82:1997



REINFORCING  
SABS 0144:1995

TYPES OF STEEL

R : Plain mild steel bars (Strength = 250MPa)

Y : High yield deformed bars (Strength = 450MPa)

BAR NOTATION

Far face      FF  
Near face    NF  
Top          T  
Bottom       B

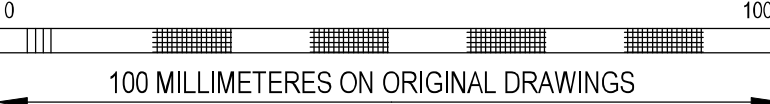
NOTES:

DRAWINGS NOT TO BE SCALED

DIMENSIONS TO BE CHECKED AND CONFIRMED ON SITE AND ANY DEVIATIONS IS TO BE REPORTED TO THE ENGINEER BEFORE COMMENCEMENT OF THE WORKS

REDUCED DRAWING

SCALE OF THIS DRAWING



FOR TENDER

|                 |            |       |          |
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| No.             | AMENDMENTS | APPR. | DATE     |
| SURVEYED        |            |       |          |
| SURVEY PLOTTED  |            |       |          |
| DRAWN           | R BOSCH    |       | 07/10/10 |
| DRAWING CHECKED | R BOSCH    |       | 07/10/10 |

PROJECT MANAGER

DATE:

EXECUTIVE DIRECTOR INFRASTRUCTURE

DATE:



MALUTI-A\_PHOFUNG  
LOCAL MUNICIPALITY

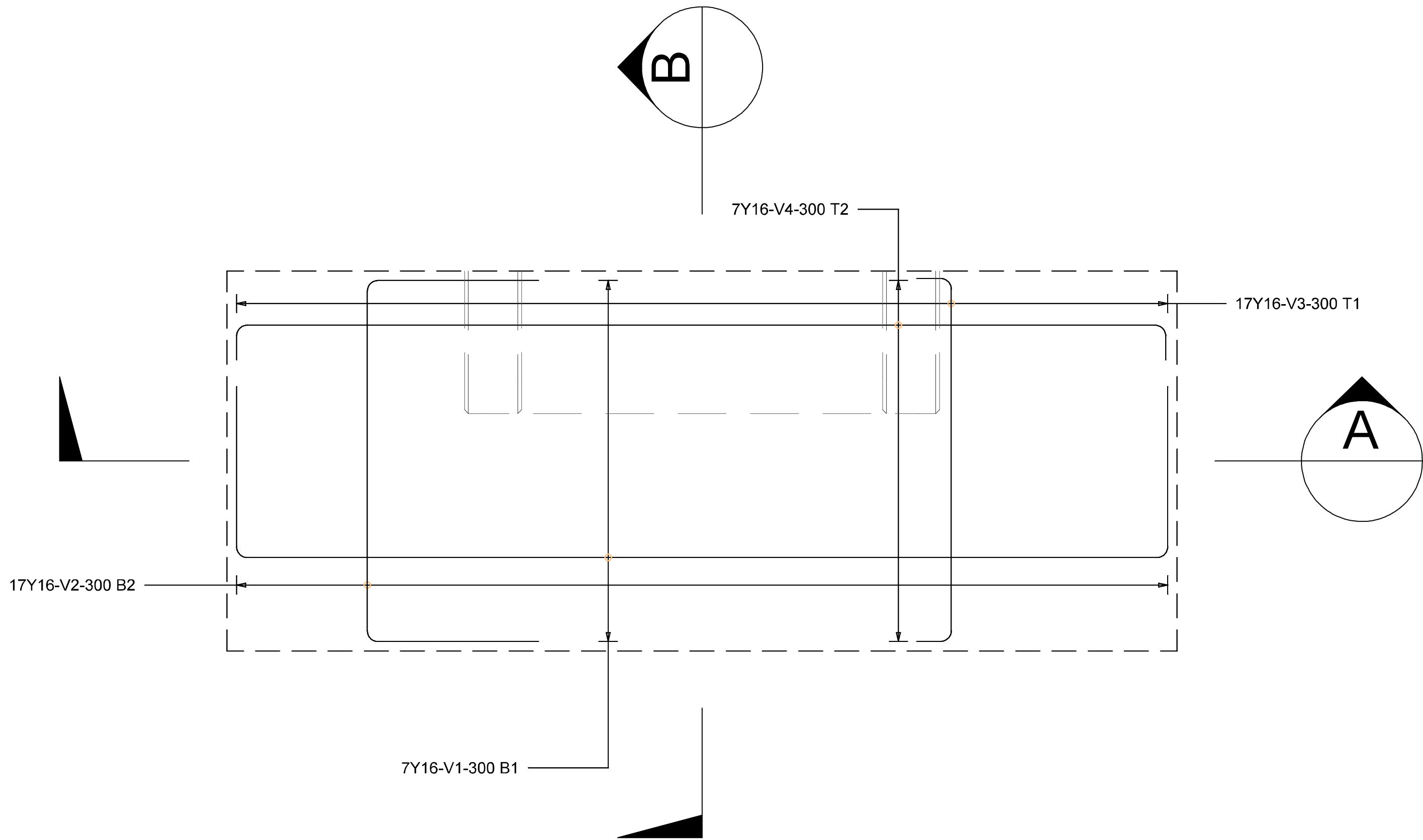
PHUTHADIJHABA QWA-QWA:  
QWA-QWA FOOTBRIDGES  
(MONANTSA)

POELONG FOOTBRIDGE  
GENERAL NOTES AND DETAILS

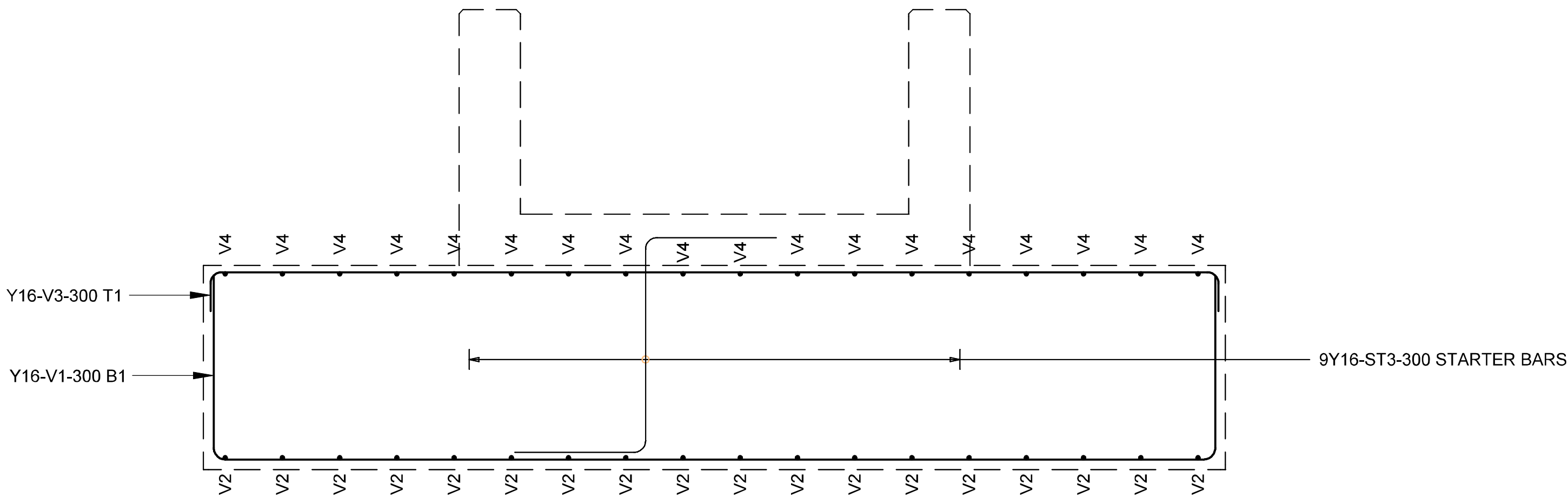
SCALE  
NOT APPLICABLE

SHEET 1 OF 1 SHEETS

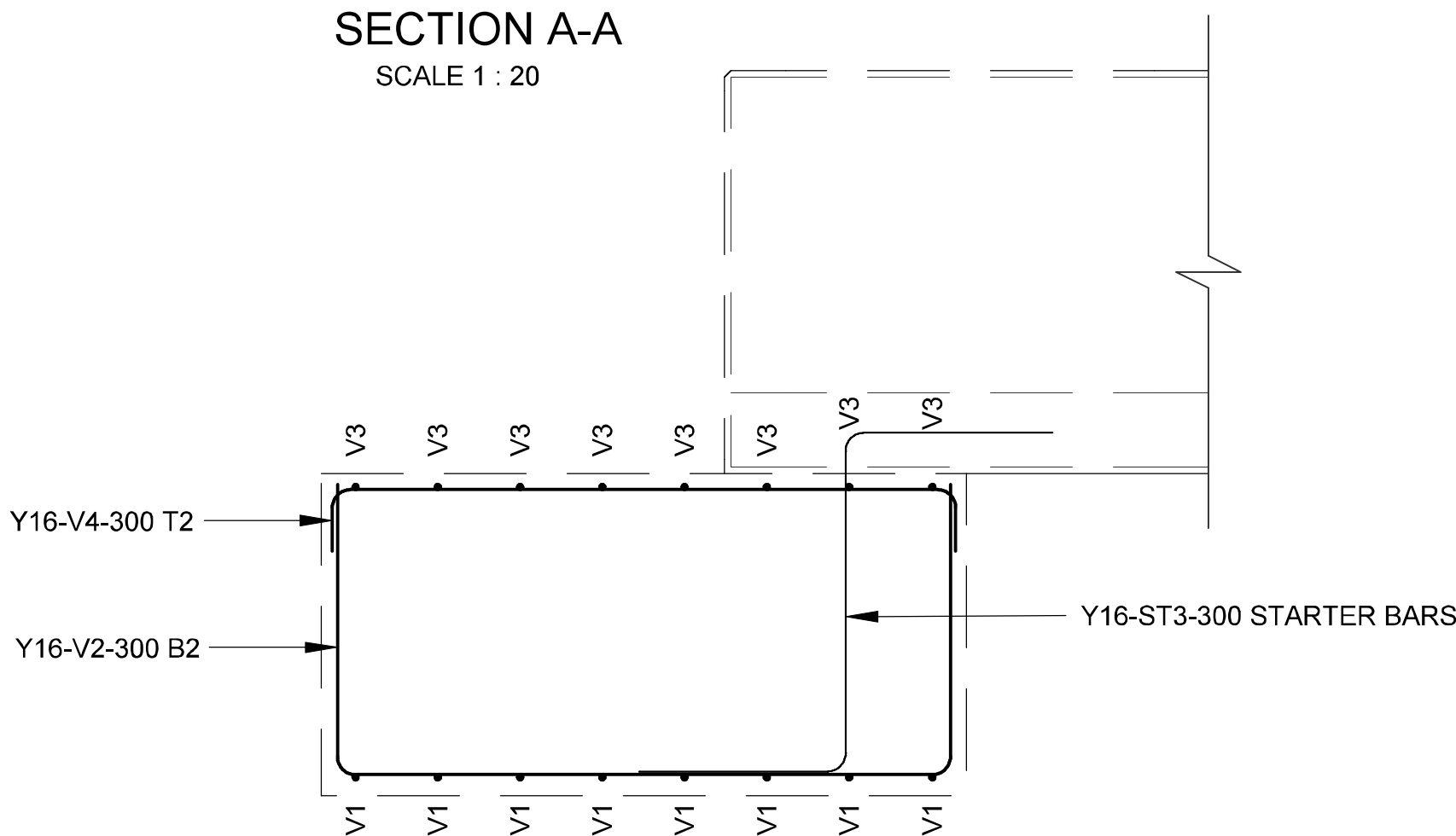
6183 PCE 302



REINFORCING BASE PLAN  
SCALE 1 : 20



SECTION A-A  
SCALE 1 : 20



SECTION B-B  
SCALE 1 : 20

| MEMBER           | No OF | BARS PER MEM | DIA. | LENGHT | TOTAL NUM-BER                                   | MARK | S  | C  | B E N D I N G |         |                          |   |     |
|------------------|-------|--------------|------|--------|-------------------------------------------------|------|----|----|---------------|---------|--------------------------|---|-----|
|                  |       |              |      |        |                                                 |      |    |    | A             | B       | C                        | D | E/r |
| Poelong Bridge m | 2     | 7            | Y16  | 6650   | 14                                              | V1   | 38 |    | 900           | 4900    |                          |   |     |
|                  |       | 17           | Y16  | 3650   | 34                                              | V2   | 38 |    | 900           | 1900    |                          |   |     |
|                  |       | 17           | Y16  | 2150   | 34                                              | V3   | 35 |    | 1910          |         |                          |   |     |
|                  |       | 7            | Y16  | 5150   | 14                                              | V4   | 35 |    | 4890          |         |                          |   |     |
|                  |       | 9            | Y16  | 2250   | 18                                              | ST3  | 54 |    | 640           | 1050    |                          |   |     |
|                  | 8     | 10           | 12   | 16     | 20                                              | 25   | 32 | 40 | TOT           | Date    | 24/08/2023               |   |     |
| R                |       |              |      |        |                                                 |      |    |    |               | Det. by | FS                       |   |     |
| Y                |       |              |      | 636    |                                                 |      |    |    | 636           | Ref Dwg | 6183-PCE-402             |   |     |
| TOT              |       |              |      | 636    |                                                 |      |    |    | 636           | Job No  | 6183                     |   |     |
|                  |       |              |      |        | POELONG FOOT BRIDGE CONCRETE BASE REINFORCEMENT |      |    |    | Revision      |         |                          |   |     |
|                  |       |              |      |        |                                                 |      |    |    |               |         | Schedule No POELONG BS01 |   |     |

- NOTES:
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1. CONCRETE CLASS:
- 30/19 FAST CURINGTO BE USED ON FOUNDATIONS
2. CONCRETE COVER:
- 2.1 50mm OVER MAIN STEEL IN FOUNDATIONS  
2.2 30mm IN SLABS
3. ALL EXCAVATIONS TO BE APPROVED BY THE ENGINEER ON SITE BEFORE CASTING OF CONCRETE FOUNDATIONS

| REDUCED DRAWING                       |            |         |          |
|---------------------------------------|------------|---------|----------|
| SCALE OF THIS DRAWING                 |            |         |          |
| 100 MILLIMETERES ON ORIGINAL DRAWINGS |            |         |          |
| FOR TENDER                            |            |         |          |
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| No.                                   | AMENDMENTS | APPR.   | DATE     |
| SURVEYED                              |            |         |          |
| SURVEY PLOTTED                        |            |         |          |
| DRAWN                                 |            | R BOSCH | 07/10/10 |
| DRAWING CHECKED                       |            | R BOSCH | 07/10/10 |

PROJECT MANAGER

DATE:

EXECUTIVE DIRECTOR INFRASTRUCTURE

DATE:





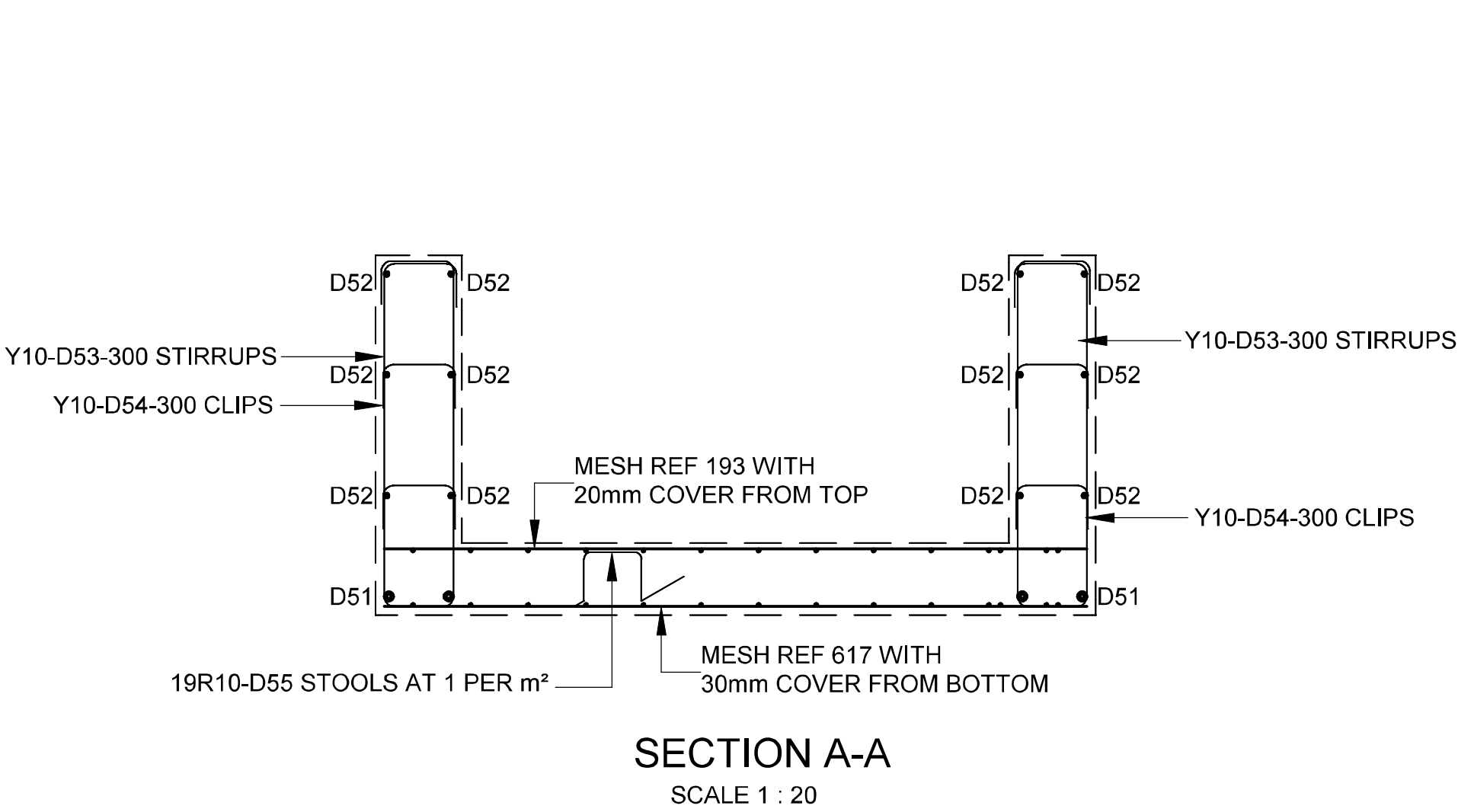
MALUTI-A\_PHOFUNG  
LOCAL MUNICIPALITY

PHUTHADIJHABA QWA-QWA:  
QWA-QWA FOOTBRIDGES  
(MONANTSIA)

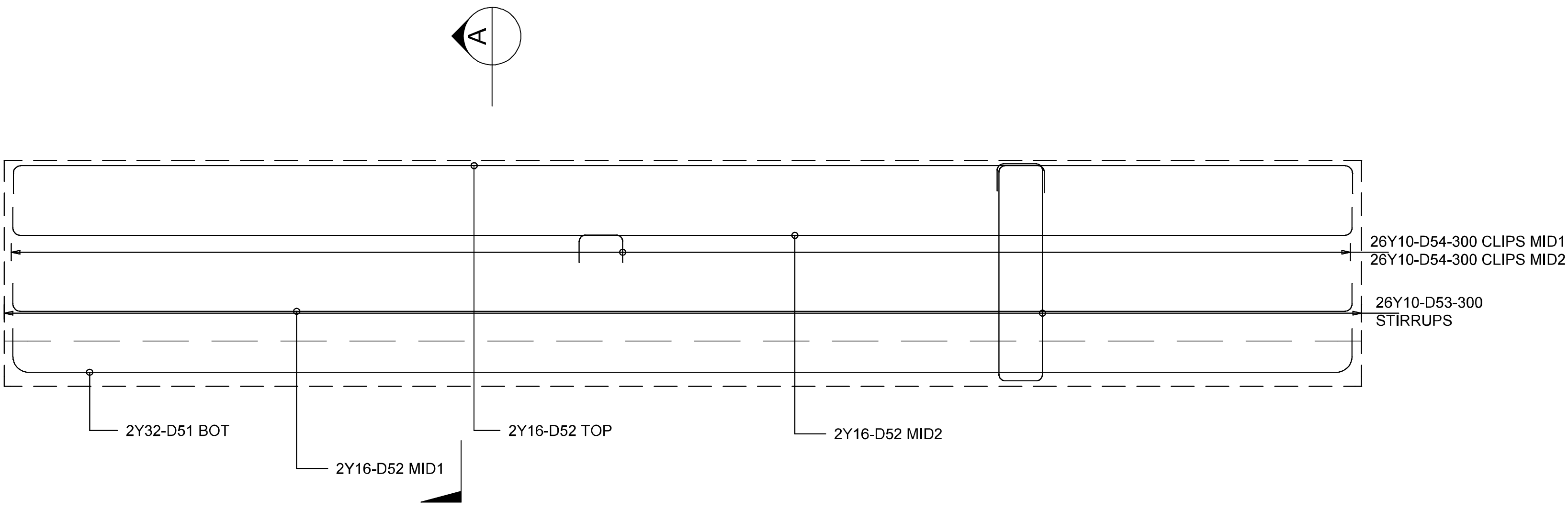
POELONG FOOTBRIDGE  
CONCRETE BASE REINFORCEMENT,  
SECTIONS AND BENDING SCHEDULE

|                 |                     |
|-----------------|---------------------|
| SCALE<br>1 : 20 | SHEET 1 OF 1 SHEETS |
|-----------------|---------------------|

6183 PCE 411



| MEMBER             | No OF | BARS PER MEMB | DIA. | LENGTH | TOTAL NUM-BER | MARK | S  | B E N D I N G |     |             |   |     |
|--------------------|-------|---------------|------|--------|---------------|------|----|---------------|-----|-------------|---|-----|
|                    |       |               |      |        |               |      |    | A             | B   | C           | D | E/r |
| 7.5m Concrete Deck | 1     | 4             | Y32  | 7850   | 4             | D51  | 35 | 7400          |     |             |   |     |
|                    |       | 12            | Y16  | 7650   | 12            | D52  | 35 | 7400          |     |             |   |     |
|                    |       | 52            | Y10  | 3200   | 52            | D53  | 74 | 1190          | 240 |             |   |     |
|                    |       | 104           | Y10  | 450    | 104           | D54  | 35 | 240           |     |             |   |     |
|                    |       | 19            | R10  | 1050   | 19            | D55  | 83 | 200           | 170 | 300         |   |     |
|                    | 8     | 10            | 12   | 16     | 20            | 25   | 32 | 40            | TOT | Date        |   |     |
| R                  |       | 12            |      |        |               |      |    |               | 12  | Det. by     |   |     |
| Y                  |       | 131           |      | 145    |               |      |    |               | 475 | Ref Dwg     |   |     |
| TOT                |       | 144           |      | 145    |               |      |    |               | 487 | Job No      |   |     |
|                    |       |               |      |        |               |      |    |               |     | Revision    |   |     |
|                    |       |               |      |        |               |      |    |               |     | Schedule No |   |     |



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| REDUCED DRAWING                       |            |         |          |
|---------------------------------------|------------|---------|----------|
| SCALE OF THIS DRAWING                 |            |         |          |
| 0 100                                 |            |         |          |
| 100 MILLIMETERES ON ORIGINAL DRAWINGS |            |         |          |
| FOR TENDER                            |            |         |          |
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| No.                                   | AMENDMENTS | APPR.   | DATE     |
| SURVEYED                              |            |         |          |
| SURVEY PLOTTED                        |            |         |          |
| DRAWN                                 |            | R BOSCH | 07/10/10 |
| DRAWING CHECKED                       |            | R BOSCH | 07/10/10 |

PROJECT MANAGER

DATE:

EXECUTIVE DIRECTOR INFRASTRUCTURE

DATE:





MALUTI-A\_PHOFUNG  
LOCAL MUNICIPALITY

PHUTHADIJHABA QWA-QWA:  
QWA-QWA FOOTBRIDGES  
(MONANTSA)

POELONG FOOTBRIDGE  
CONCRETE DECK REINFORCEMENT,  
SECTIONS AND BENDING SCHEDULE

|                 |                     |
|-----------------|---------------------|
| SCALE<br>1 : 20 | SHEET 1 OF 1 SHEETS |
|-----------------|---------------------|

6183 PCE 412