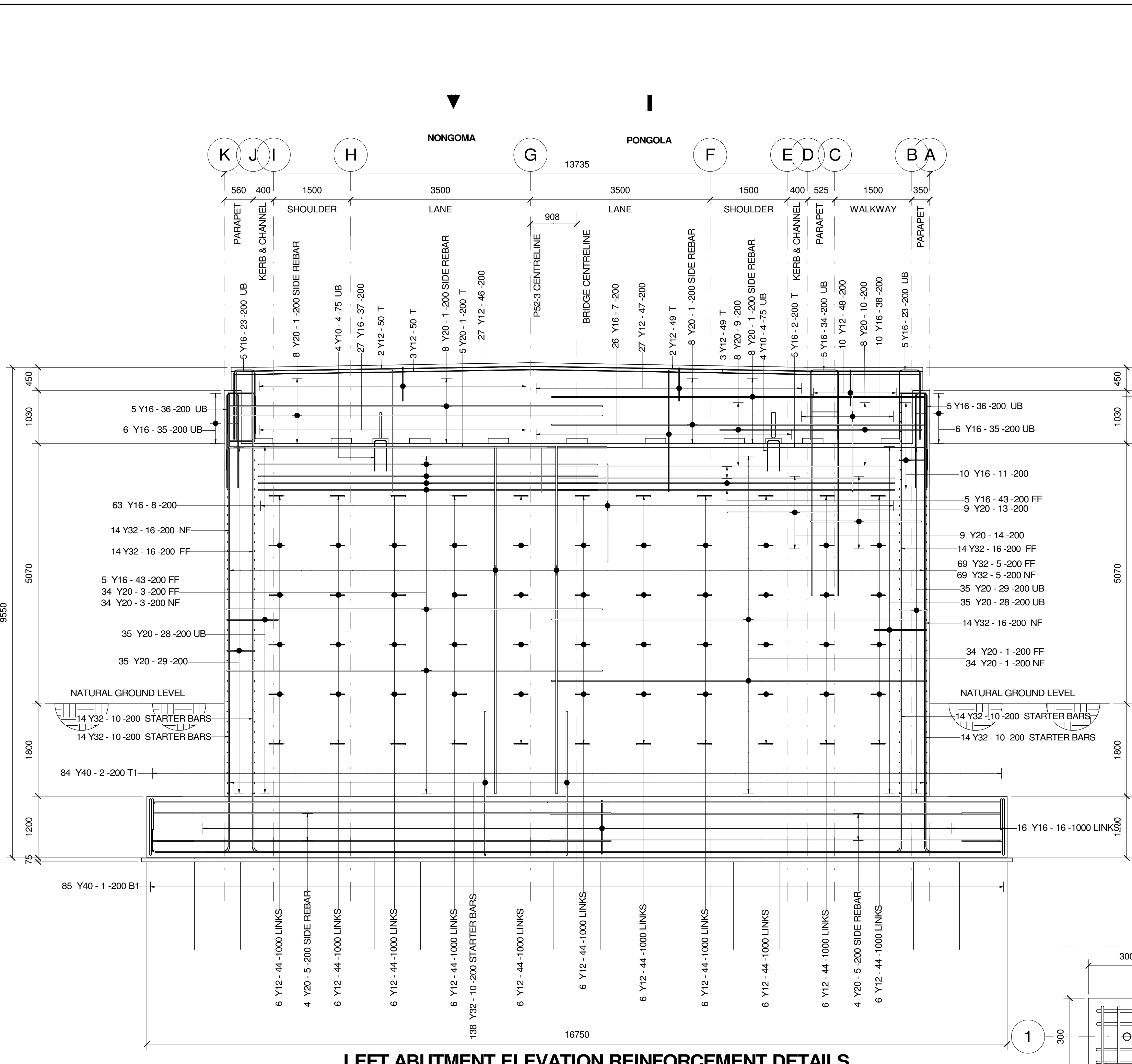


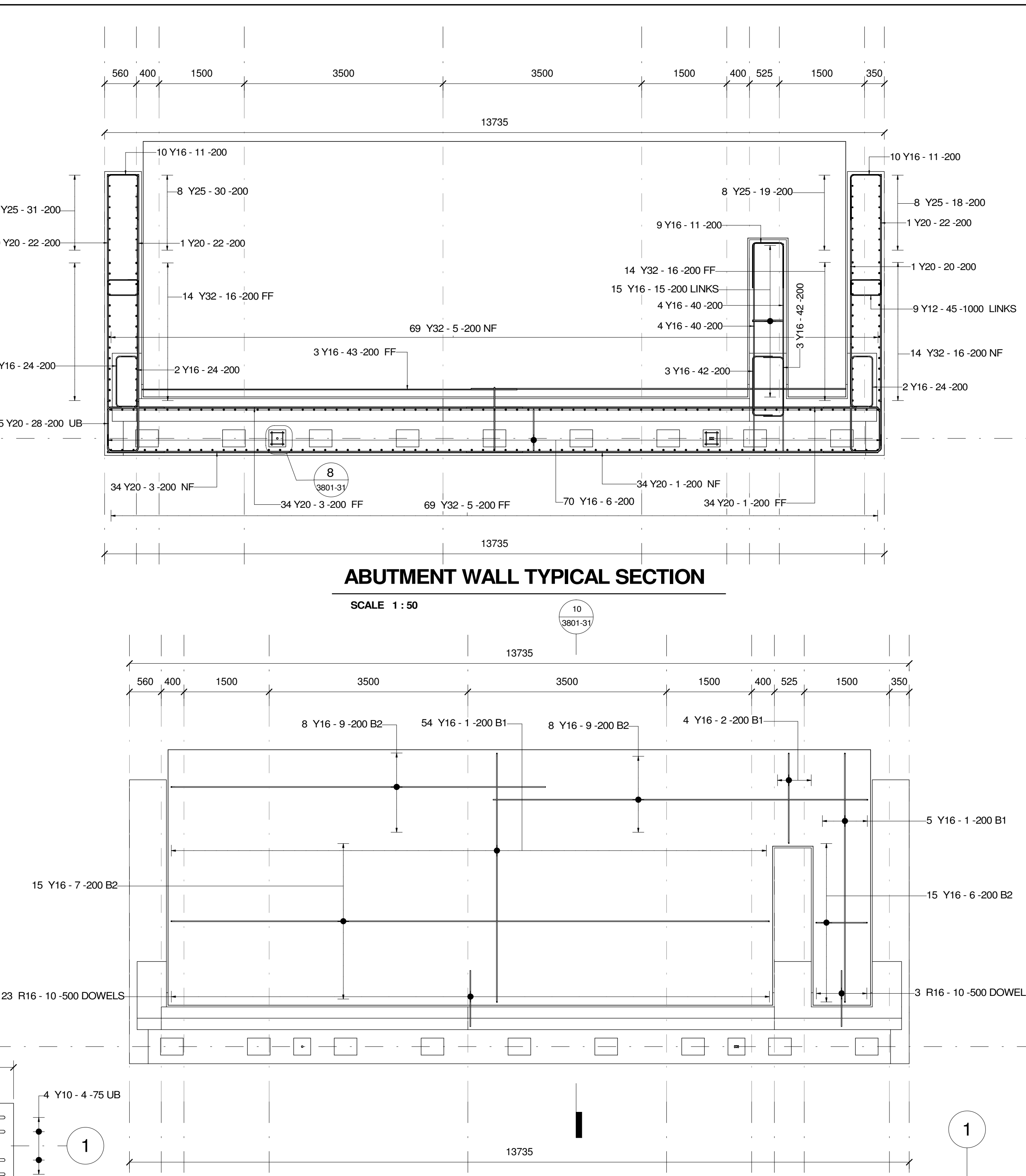
LEFT ABUTMENT FOUNDATION REINFORCEMENT DETAILS

SCALE 1:50



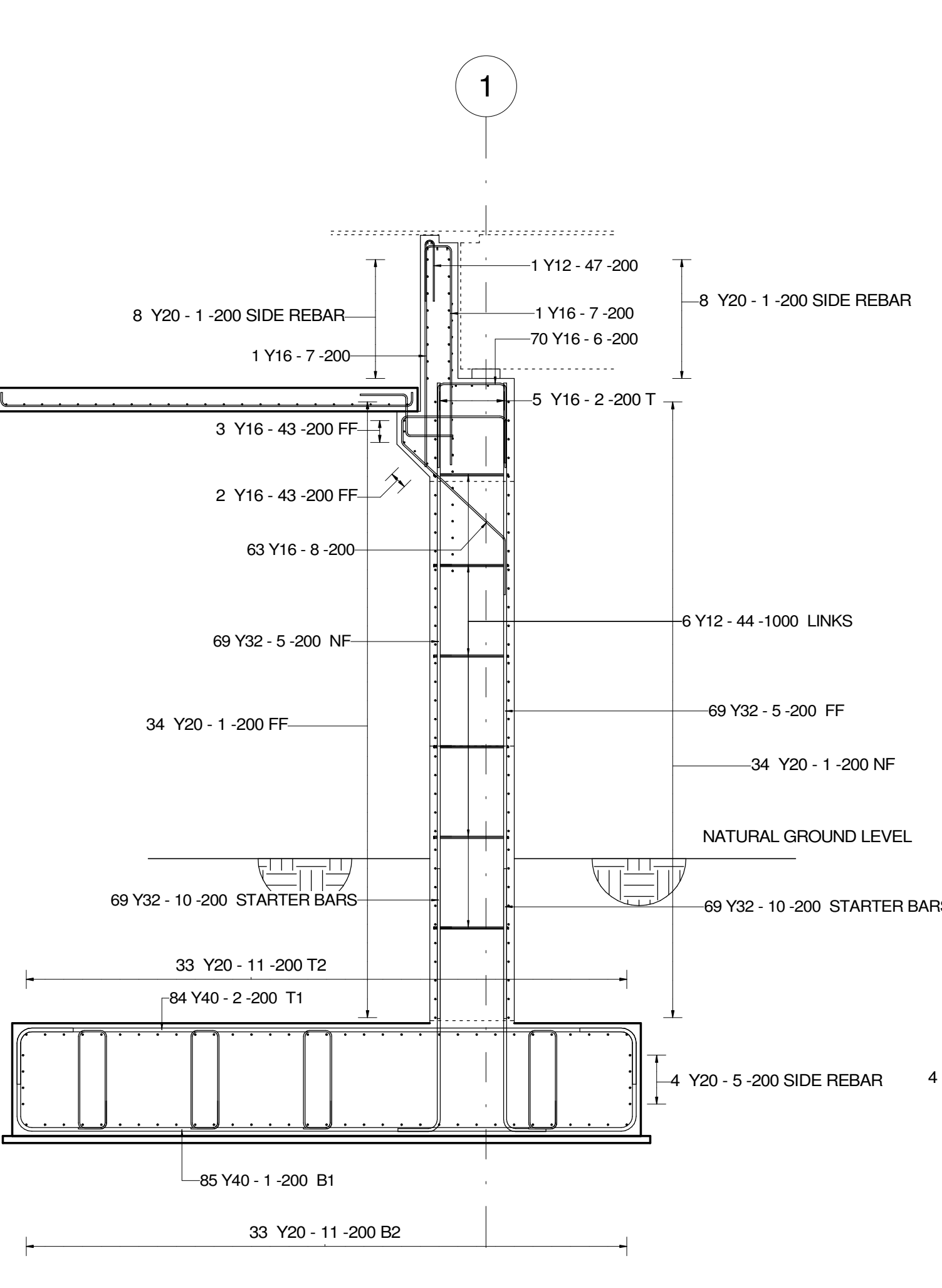
LEFT ABUTMENT ELEVATION REINFORCEMENT DETAILS

SCALE 1:50



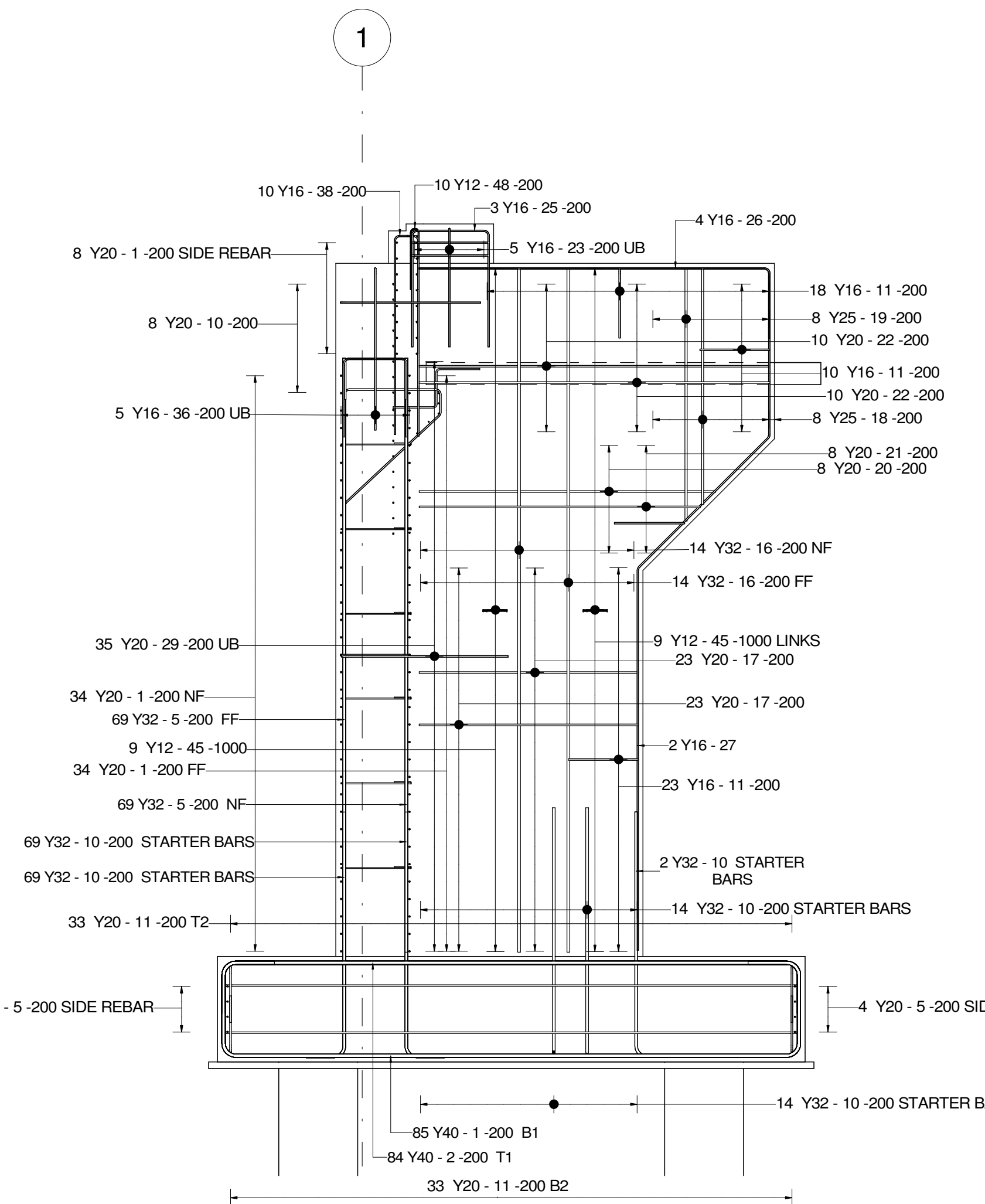
APPROACH SLAB REINFORCEMENT DETAILS

SCALE 1:50



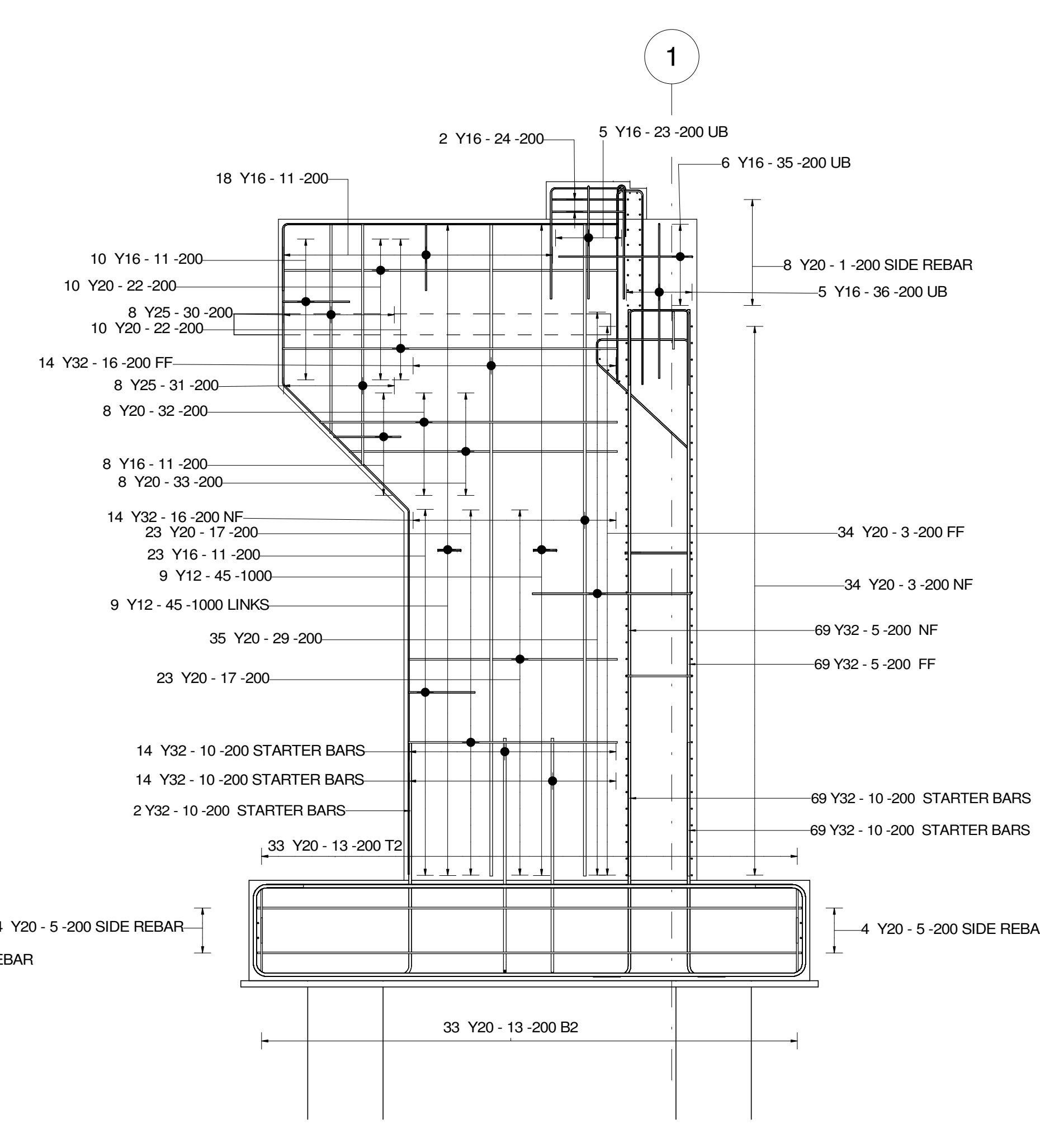
SECTION C-C - REINFORCEMENT DETAILS

SCALE 1:50



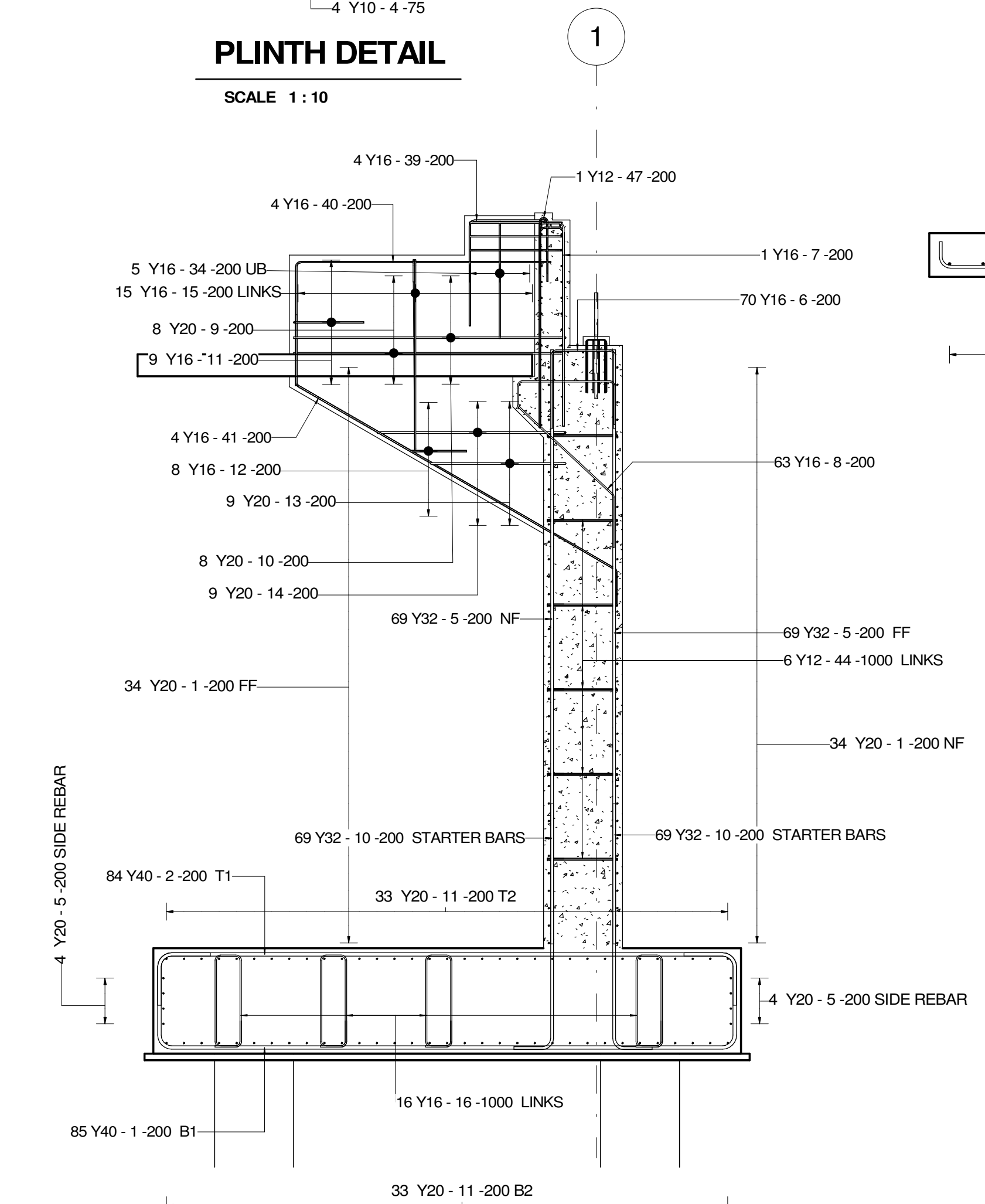
LEFT WINGWALL ELEVATION REINFORCEMENT DETAILS

SCALE 1:50



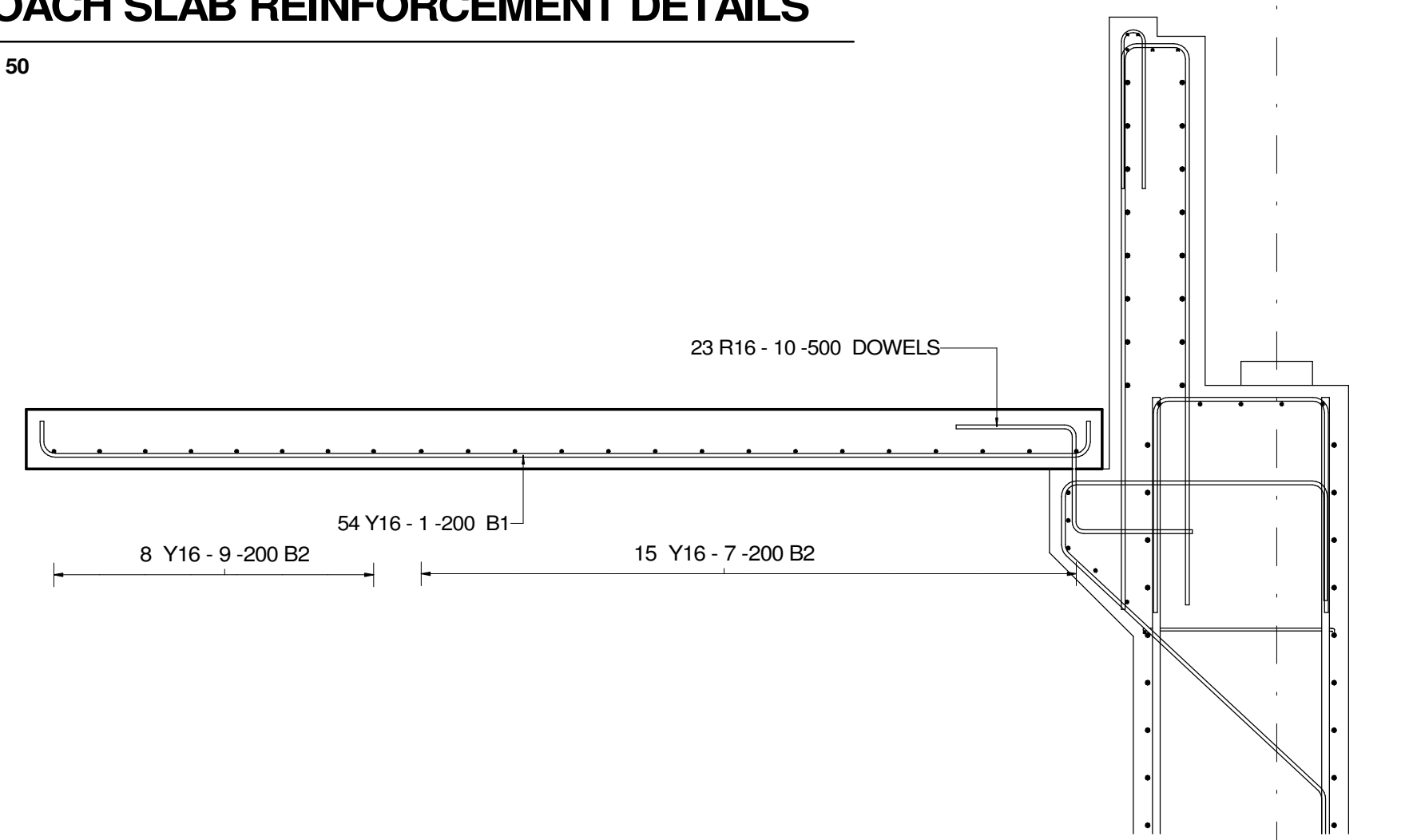
RIGHT WINGWALL ELEVATION REINFORCEMENT DETAILS

SCALE 1:50



WALKWAY PARAPET WINGWALL ELEVATION REINFORCEMENT DETAILS

SCALE 1:50



APPROACH SLAB TYPICAL CROSS SECTION

SCALE 1:25

- REINFORCEMENT NOTES**
- 1.0 MINIMUM CONCRETE COVER: BASES 50mm, WALLS 50mm
  - 2.0 REINFORCEMENT DETAILED IN ACCORDANCE WITH SABS 0144-1995
- ABBREVIATIONS**
- B1 - LOWEST BOTTOM LAYER
  - B2 - SECOND LOWEST BOTTOM LAYER
  - T1 - TOPMOST TOP LAYER
  - T2 - SECOND HIGHEST TOP LAYER
  - EF - EACH FACE
  - NF - NEAR FACE
  - FF - FAR FACE
  - BW - BOTH WAY
- 3.0 MINIMUM LAP LENGTH TO BE 50 x DIAMETER OF THE SMALLER BAR.
  - 4.0 REINFORCEMENT TO CONFORM TO SABS 920-1985.
- HOT ROLLED HIGH STRESS DEFORMED (Y) BARS: CHARACTERISTIC STRENGTH 450 MPa.
- HOT ROLLED ROUND MILD STEEL (R) BARS: CHARACTERISTIC STRENGTH 250 MPa.

AS BUILT				
Supervising Engineer		Date		
Supervising Authority				
A	28-09-2023	ISSUED FOR APPROVAL	BM	
Rev	Date	Description	Checked	Signed
AMMENDMENTS				

Continued from :		Designed by : T. Mkhize	
Continued on :		Checked by : B. Manyela	
Cross Section No :		Drawn by : S. Maphumulo	
Longitudinal Section No :		Checked by : T. Mkhize	
Survey Plan No :		Date of approval :	

Continued from :		Designed by : T. Mkhize	
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Longitudinal Section No :		Checked by : T. Mkhize	
Survey Plan No :		Date of approval :	



**transport**  
Department:  
Transport  
Province of KwaZulu-Natal

Designed by :



Director

Date

71 Fifth Avenue  
Morningside  
Durban 4001  
Tel: (031) 324 2200  
Fax: (031) 324 2222  
email: info@ibhongo.co.za

Structural Design: Chief Engineer

Head: Transport

PROVINCIAL ROAD P52/3 - NONGOMA TO PONGOLA  
S 27 39 47.18 E 31 43 12.14

**PROPOSED MKHUZE RIVER BRIDGE**

**LEFT ABUTMENT REINFORCEMENT DETAILS**

Staked km distance

27.400

Sheet :

31

of :

51

Scale :

As indicated

Ibhongo Dwg No:

2203-SRD-210

DOT Dwg No:

3801-31

3801-31