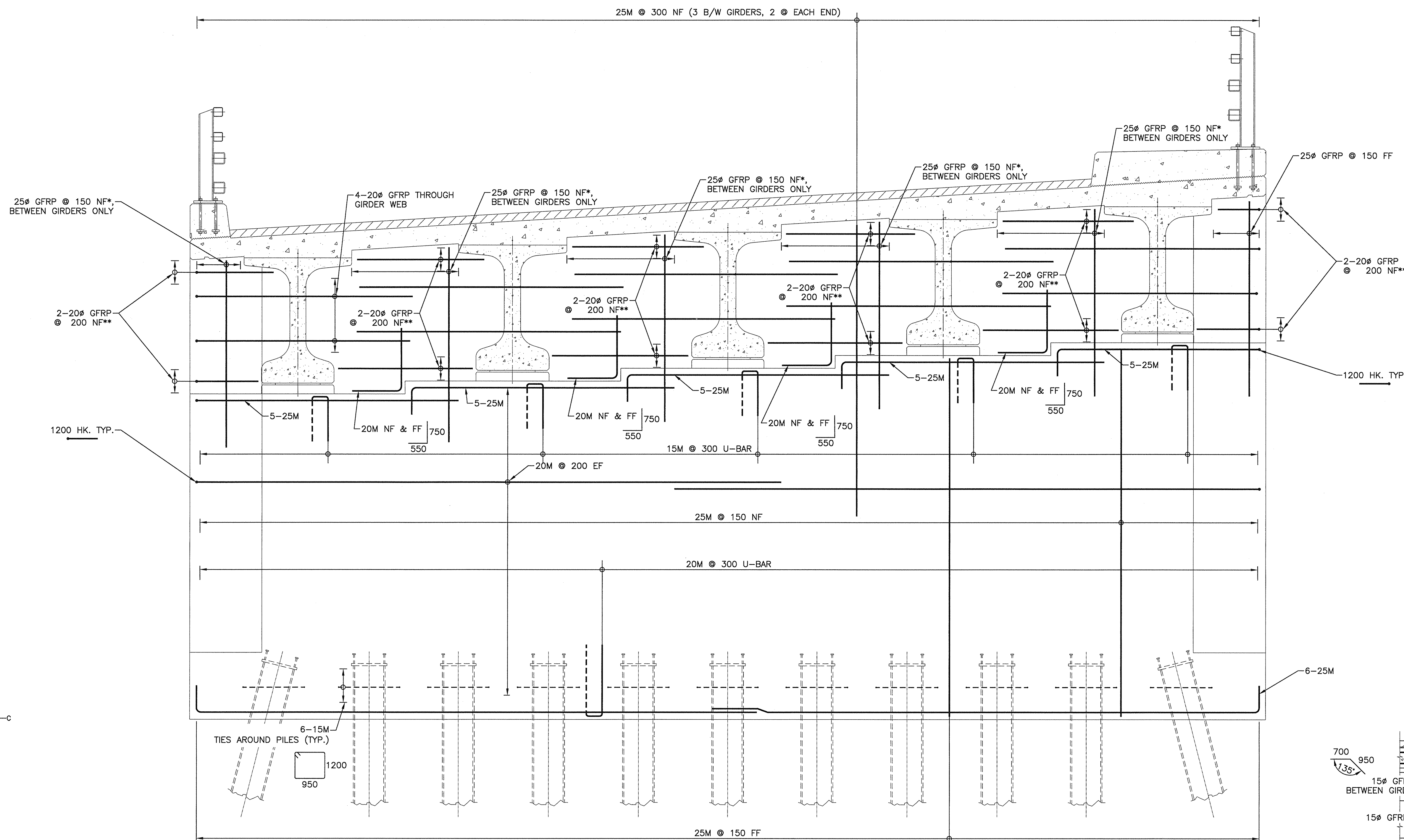


REINFORCING NOTES:

- REINFORCING STEEL: 400W TO CAN/CSA G30.18-09. BAR BENDS: TO RSIC MANUAL OF STANDARD PRACTICE.
- PRESTRESSED GIRDERS: NOT GALVANIZED
- CAST-IN-PLACE CONCRETE: HOT DIP GALVANIZE TO CAN/CSA G164-M9 (R2003)
- GFRP REINFORCING: GFRP TO CSA S806-12, CAN/CSA S807-10 GRADE III AND TO ASTM D790. MINIMUM BOND DEPENDENT COEFFICIENT, $K_b = 0.8$. ADDITIONAL PROPERTIES AS FOLLOWS:

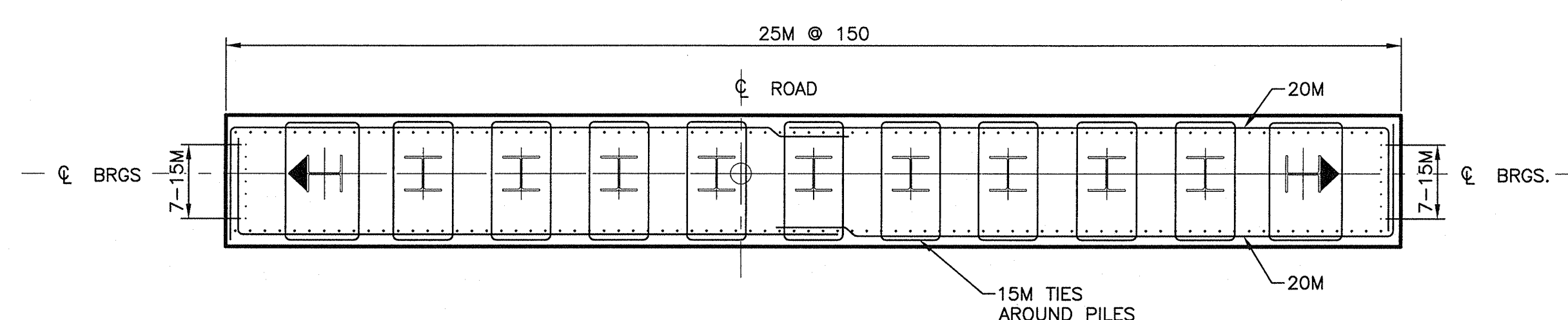
	15Ø	20Ø	25Ø	15Ø BENT	20Ø BENT
A_{nom}	199mm ²	284mm ²	510mm ²	199mm ²	284mm ²
f_{ck}	62.6 GPa	63.7 GPa	66.4 GPa	50.0 GPa	50.0 GPa
f_{FRP}	>1000 MPa	>1000 MPa	1000 MPa	1000 MPa	1000 MPa
f_{FRP} BENT				400 MPa	400 MPa
E_{FRP} (MAXIMUM)	1.89%	1.73%	1.51%		

*** "15Ø WITH HEAD", WHERE SPECIFIED SHALL HAVE PROPRIETARY FACTORY-INSTALLED HEAD WITH MINIMUM 120kN PULL-OUT STRENGTH. A TRANSVERSE CONTINUOUS BAR SHALL BE INSTALLED ACROSS THE MID-HEIGHT OF THE HEAD.



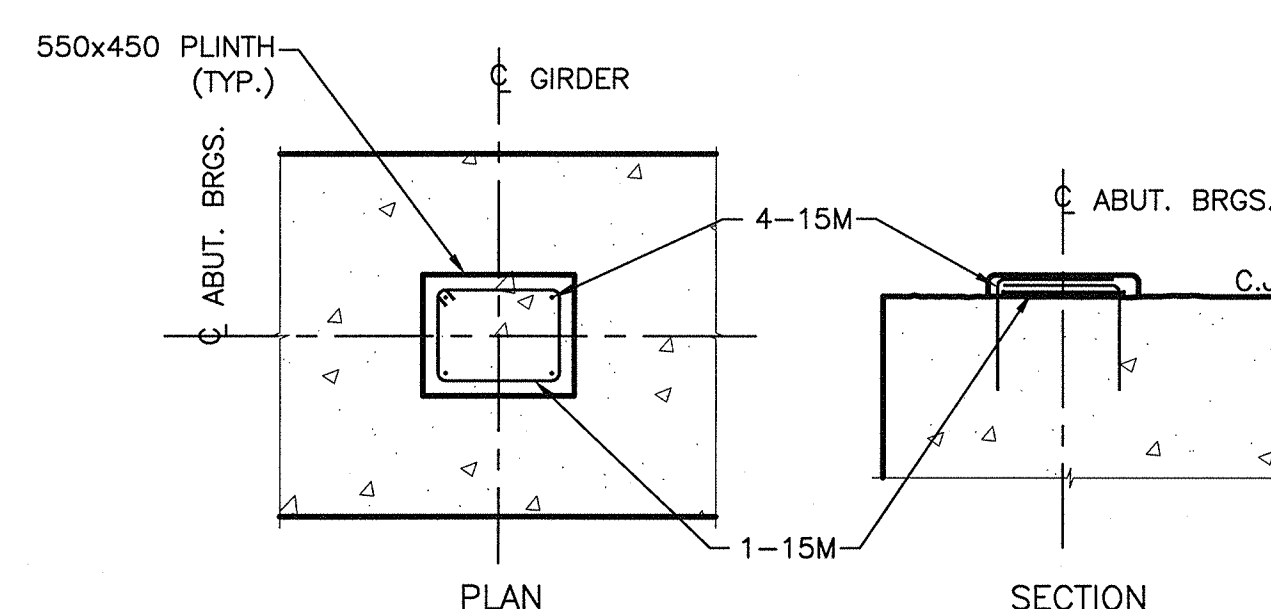
* SEE A/S11 FOR FAR FACE VERT REINFORCING BEHIND GIRDERS.

** LENGTH VARIES. MAKE 50mm CLEAR OF GIRDER FACE.



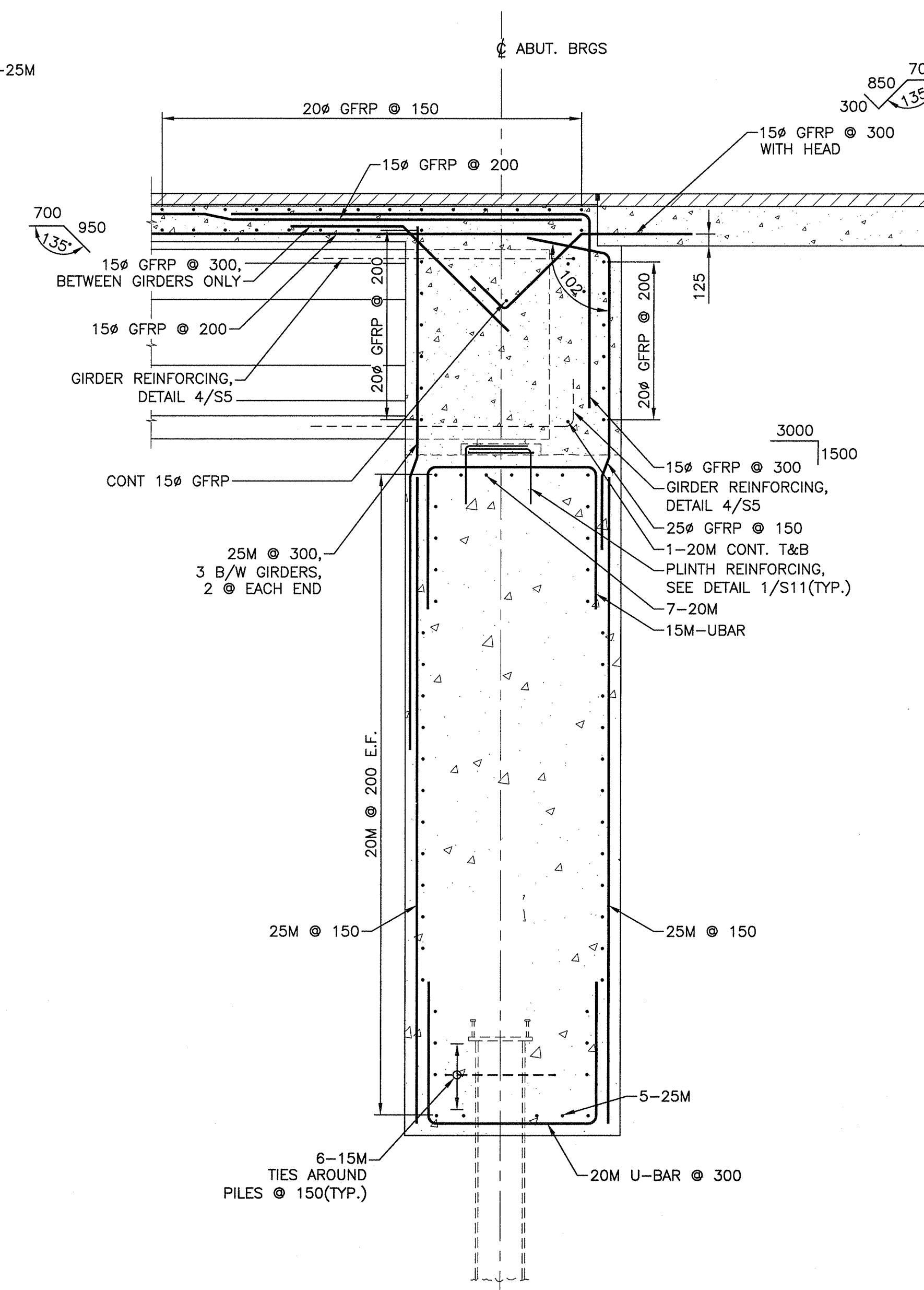
SECTION - TYPICAL FOUNDATION REINFORCING (B S11)

SCALE: 1:50
0m 1m 2m 3m 4m 5m



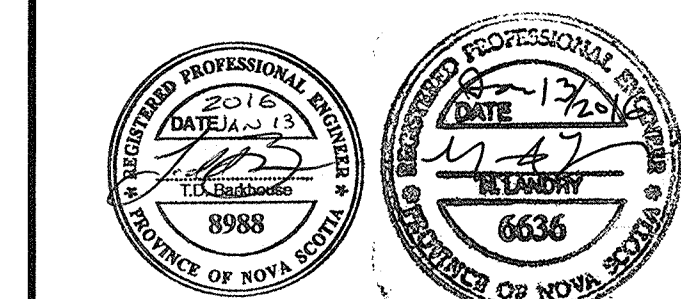
DETAIL - PLINTH REINFORCING (1 S11)

SCALE: 1:25
0mm 500mm 1000mm 1500mm 2000mm 2500mm



SECTION - ABUTMENT REINFORCING (A S11)

SCALE: 1:25
0mm 500mm 1000mm 1500mm 2000mm 2500mm



C01 ISSUED FOR TENDER JAN 13 2016

revisions date

project projet

**NEILS BROOK
BRIDGE REPLACEMENT
CAPE BRETON HIGHLANDS
NATIONAL PARK,
NS**

drawing dessin

**TYPICAL ABUTMENT
REINFORCING**

designed TDB conçu

date

drawn TMB dessiné

date

approved NDL approuvé

date

Tender 2016.1.21 Soumission

PWOSC Project Manager Administrateur de projets TPSCC

project number no. du projet

R.074443.001

drawing no. no. du dessin

S11