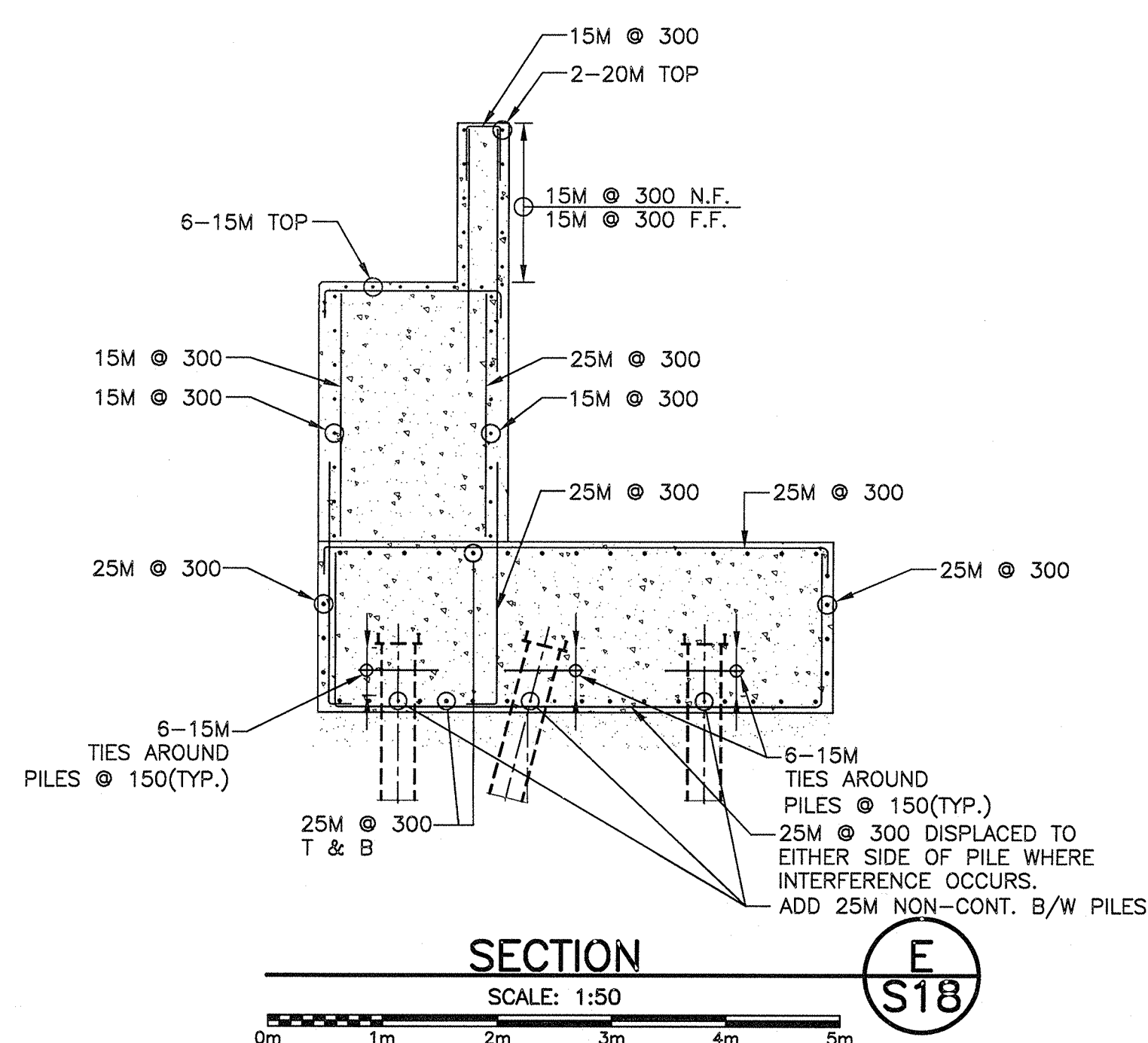
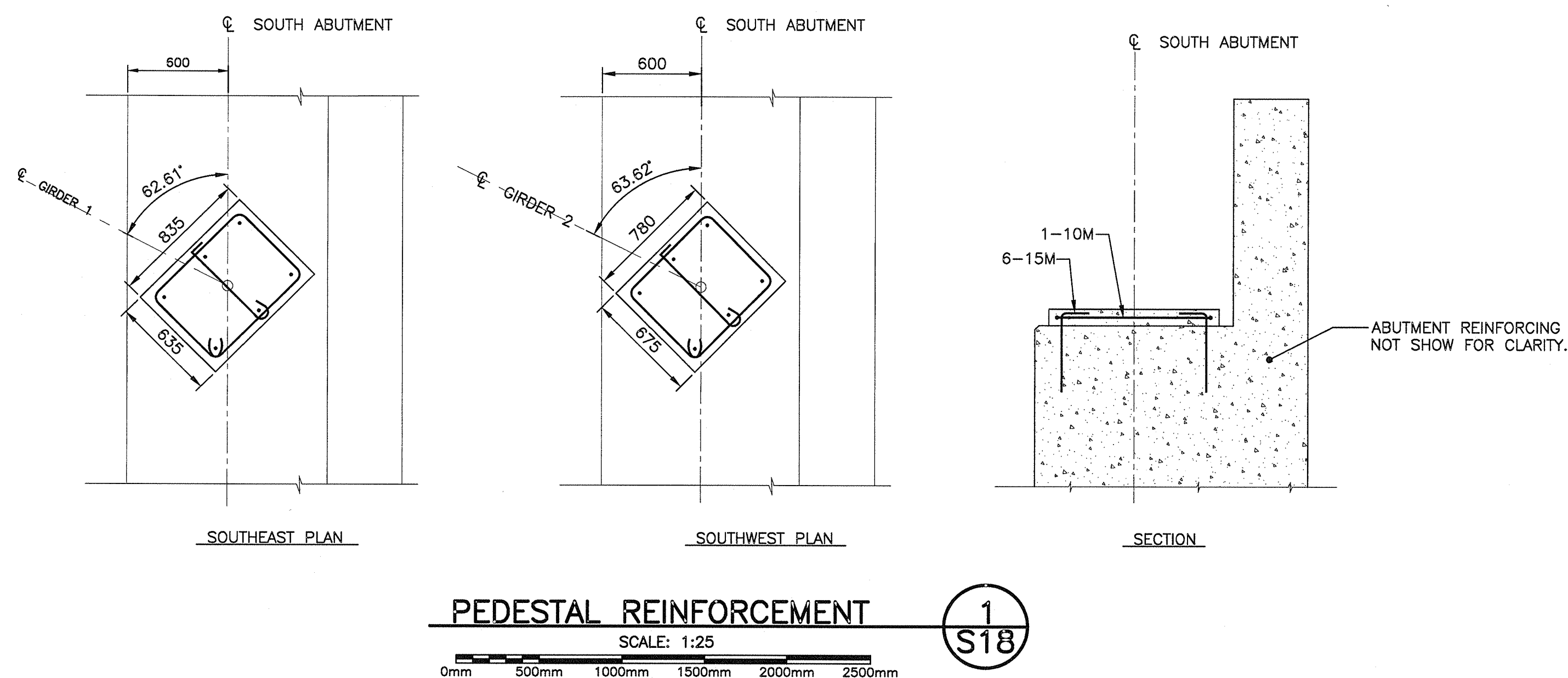


CLYBURN BROOK
BRIDGE REPLACEMENT
CAPE BRETON HIGHLANDS
NATIONAL PARK,
NS

designed	TDB	conçu
date		
drawn	TMB	dessiné
date		
approved	NDL	approuvé

R.072239.001

E-DRM/GDD-E: 280475 VERSION 1



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

	15ø	20ø	25ø	15ø BENT	20ø BENT
ANOM	199mm ²	284mm ²	510mm ²	199mm ²	284mm ²
AF	62.6 GPa	63.7 GPa	66.4 GPa	50.0 GPa	50.0 GPa
fFRAP	>1000 MPa	>1000 MPa	1000 MPa	1000 MPa	1000 MPa
fFRAP BENT				400 MPa	400 MPa
EDU (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.