POST-TENSIONING

GENERAL NOTES

SCALE OR AS SHOWN.

CONCRETE EXPOSURE CLASSIFICATION...

MINIMUM 28 DAY COMpressive STRENGTH OF ALL CONCRETE SHALL BE... MPa.

MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT TRANSFER OF PRESTRESS SHALL BE... MPa.

EDGES SHALL BE CHAMFERED 20 x 20 AND RE-ENTRANT ANGLES FILLETED 20 x 20 UNLESS SPECIFIED OTHERWISE.

NCF DENOTES NO CHAMFER OR FILLET.

ALL STRANES SHALL BE... mm NOMINAL DIAMETER 7-WIRE, ORDINARY, RELAX 2 PRESTRESSING STRANDS TO AS/NZS 4672.1 WITH MINIMUM BREAKING LOAD OF... kN.

THE FORCE IN EACH STRAND JUST AFTER RELEASE OF JACK SHALL BE... kN AT...

CAST-IN-PLACE PILES

GENERAL NOTES

SCALE OR AS SHOWN.

CONCRETE EXPOSURE CLASSIFICATION...

MINIMUM 28 DAY COMpressive STRENGTH OF ALL CONCRETE SHALL BE... MPa.

THE REQUIRED CONCRETE COVER SPECIFIED IN REINFORCEMENT DRAWING SHEET No... IS BASED ON... CURING.

EDGES SHALL BE CHAMFERED 20 x 20 AND RE-ENTRANT ANGLES FILLETED 20 x 20 UNLESS SPECIFIED OTHERWISE.

NCF DENOTES NO CHAMFER OR FILLET.

THE BRIDGE SUPERSTRUCTURE HAS BEEN DETAILED FOR A TYPICAL... mm FOUNDATION DEPTH.

PRESTRESSING DATA

EACH TENDON SHALL COM普RIS... mm NOMINAL DIAMETER 7-WIRE, ORDINARY, RELAX 2 PRESTRESSING STRANDS TO AS/NZS 4672.1 WITH MINIMUM BREAKING LOAD OF... kN.

THE JACKING FORCE FOR EACH TENDON SHALL BE... kN AT...

MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT TRANSFER SHALL BE... MPa.

THE TENDONS SHALL BE STRESSED FROM...

THE ORDER OF STRESSING SHALL BE...

THE JACKING FORCE HAS BEEN CALCULATED ASSUMING THE FOLLOWING DESIGN PARAMETERS:

MODULUS OF ELASTICITY OF TENDONS... GPa...

DRAWN IN AT LOCK OFF...

ANCHORAGE FRICTION... MPa...

COEFFICIENT OF FRICTION BETWEEN TENDON AND DUCT...

UNINTENTIONAL ANGULAR DEVIATION OF TENDON PROFILE...

DUC TS

TENDON DUCTS SHALL BE...

SHATTING...

Diam... mm NOMINAL INSIDE DIAMETER AND... mm NOMINAL OUTSIDE DIAMETER.

FRICTION LOSSES AND TENDON ELONGATION CALCULATED MAXIMUM FRICTION LOSS...

CALCULATED TOTAL AVERAGE ELONGATION PER TENDON IS...

IF THE CALCULATED ELONGATION IS OBTAINED AT A JACKING FORCE LESS THAN... kN, THE STRESSING SHALL CONTINUE TO...

BEFORE LOCKING OFF.

JACKING FORCE PER TENDON MAY BE TAKEN TO A MAXIMUM OF...

AN (85% OF MINIMUM BREAKING LOAD) IN ORDER TO OVERRIDE FRICTION LOSSES HIGHER THAN THE CALCULATED VALUES.

ROCK ANCHORS

GENERAL NOTES

SCALE OR AS SHOWN.

MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT TRANSFER OF PRESTRESS SHALL BE... MPa.

EACH ROCK ANCHOR SHALL COM普RIS... mm NOMINAL DIAMETER 7-WIRE, ORDINARY, RELAX 2 PRESTRESSING STRANDS TO AS/NZS 4672.1 WITH MINIMUM BREAKING LOAD OF... kN.

THE DESIGN WORKING LOAD (TD) OF EACH ANCHOR SHALL BE...

TEST THE NOMINATED...

PROOF LOAD TESTS SHALL PRECEDE THE STRESSING OF ALL OTHER ANCHORS.

COVER TENDON STUBS AND ANCHORAGES WITH...

CONCRETE... MPa.

COVER IN TENDON STUBS AND ANCHORAGES WITH...

CONCRETE... MPa.

MINIMUM 28 DAY COMPRESSIVE STRENGTH OF ALL CONCRETE TO...

CONCRETE EXPOSURE CLASSIFICATION...

SCALE OR AS SHOWN.

GENERAL NOTES

SCALE OR AS SHOWN.

CAST-IN-PLACE PILES

GENERAL NOTES

SCALE OR AS SHOWN.

ROCK ANCHORS

GENERAL NOTES

SCALE OR AS SHOWN.