

GENERAL NOTES

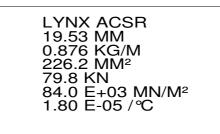
ALL DIMENSIONS IN METERS UNLESS NOTED OTHERWISE.
LIDAR SURVEY DATA CAPTURED BY ENERGYLINE IN NOV 2024
CURRENT CONDUCTOR AND EARTHWIRE TO BE CONFIRMED
CLEARANCES HAVE BEEN ASSESSED IN ACCORDANCE WITH NGED ST OH1A_4 AND ENA TS 43-8
-> 7.0M TO GROUND AT MAXIMUM OPERATING TEMPERATURE

APH SY MR 09/12/24 ISSUED FOR REVIEW ISSUE DATE REVISION DRN. CHKD. APPD.

LYNX ACSR CONDUCTOR AT 75°C HORSE ACSR EARTHWIRE AT 5°C

PHASE CONDUCTOR PARAMETERS

CONDUCTOR DESIGNATION
OVERALL DIAMETER
MASS (GREASED)
CROSS-SECTIONAL AREA
NOMINAL BREAKING LOAD
MODULUS OF ELASTICITY
COEFFICIENT OF LINEAR EXPANSION PHASE CONDUCTOR LIMIT STATE SAGGING BASIS



HORSE ACSR 13.95 MM 0.548 KG/M 116.2 MM² 61.2 KN 10.5 E+04 MN/M² 1.53 E-05 /°C

14.47 KN AT 5℃ 9.27 KN AT 15℃ EVERYDAY TENSION 14.47 KN AT 5 $^{\circ}$ 9.27 KN AT 15 $^{\circ}$ MAXIMUM ERECTION TENSION 36 KN AT -5.6 $^{\circ}$ 27 KN AT -5.6 $^{\circ}$ MWT TENSIONS BASED ON 380PA WIND PRESSURE AND 12.5MM RADIAL ICE

NorPower national**grid** 132KV TRANSMISSION LINE PPE66R PLAN VIEW

ROUTE / CIRCUIT PPE ROUTE ENERGYLINE PROJECT / DRG NO.

SHEETS SHEET OF 2 90NP1484-22-002 SCALE REFER TO SCALE FACTORS ELEC FORM

SHT SIZE

