

FOUNDATION EQUIPMENT

a	CIRCUIT BREAKER
b	DISCONNECTOR WITH EARTHING SWITCH
c	CURRENT TRANSFORMER
d	VOLTAGE TRANSFORMER
e	COUPLING CAPACITOR AND LINE GANTRY
f	INJECTION TRANSFORMER AND SURGE ARRESTER
g	AUXILIARY TRANSFORMER
h	CABLE RACK
k	NEUTRAL GROUNDING RESISTOR
m	POWER TRANSFORMER
n	LINE GANTRY
o	BUSBAR GANTRY
p	LIGHTNING TOWER
q	CABLE PULLING PIT
s	SURGE ARRESTER

ASSOCIATED DRAWINGS

35025-5001	EARTHING CALCULATION - 150kV SWITCHYARD
35025-5005	EARTHING DRAWING - CONTROL BUILDING
35025-5007	EARTHING TYPICALS DRAWING - 150/200kV SUBSTATION

- MAIN SWITCHYARD FENCE
—○— SECONDARY SWITCHYARD FENCE
+++++ WOODEN FENCE
--- TRANSFORMER RAIL

— STRANDED TINNED COPPER CONDUCTOR 120 mm²

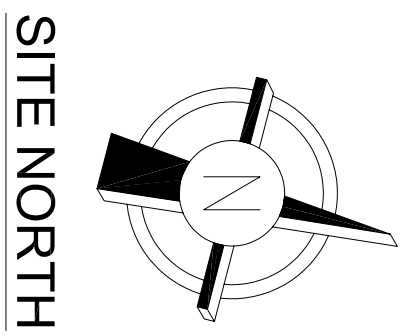
• THERMAL WELD

↗ EARTH ROD (L=3m)

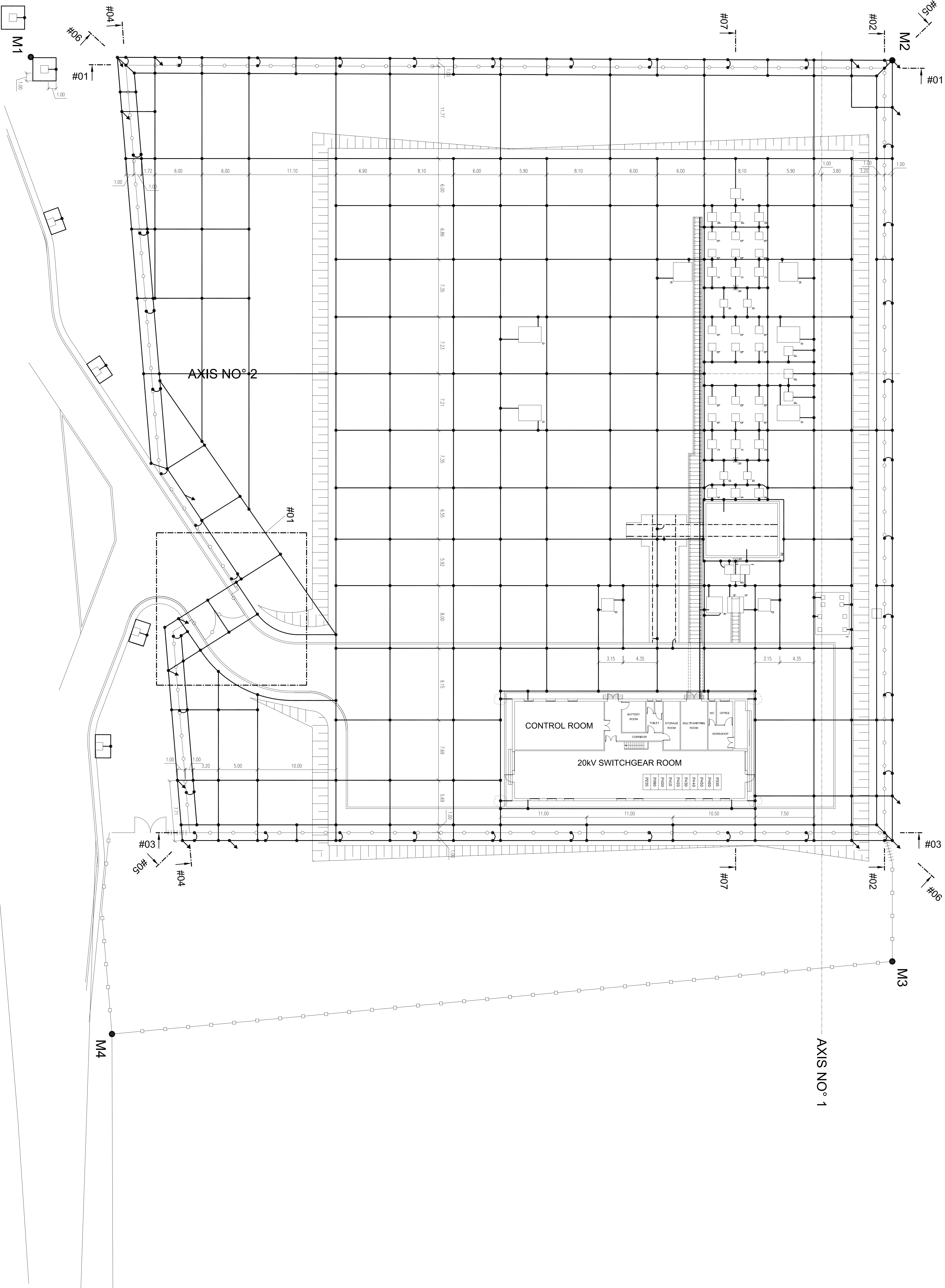
↻ EARTHING CONNECTION TO FENCE (~ 10 m INTERVAL)
○ PROVIDED FOR LIGHTNING PROTECTION
○ OF CONTROL BUILDING

#01 T#01 VIEW OF PROFILE PLOT (SEE DWG 35025-5001)

#01 T#01 POTENTIAL CONTOUR PLOT (SEE DWG 35025-5001)



SITE NORTH



PPC Drawing Nr.: **FF-10834-140**

Customer: **PUBLIC POWER CORPORATION S.A.**

Project: **LABSSA - AGA SUBSTATION**

EARTHING GRID DRAWING

150kV SWITCHYARD

E	As Built	13/11/2006	BA	HE	RE-CH
D	Fixed lighting included, change access road	16/03/2006	HE	HE	RE-CH
C	Change access road, 20kV cable duct	07/03/2006	HE	HE	RE-CH
B	Change access road, add Surge Arrester	06/09/2005	KEstiver	KE	RE-CH
A	Modification acc. approval letter 08/07/2005-01-01-2005	06/06/2005	KEstiver	KE	RE
Mod	Modification	Date	Drawn	Checked	Approved

Drawn	01/03/2005	KEstiver	Scale	1:200	DS / J. B.
Checked	01/03/2005	KE	Note	Indication: BA, S, I	Europe
Approved	01/03/2005	PA	Customer	35025-5003 E	Rev.
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