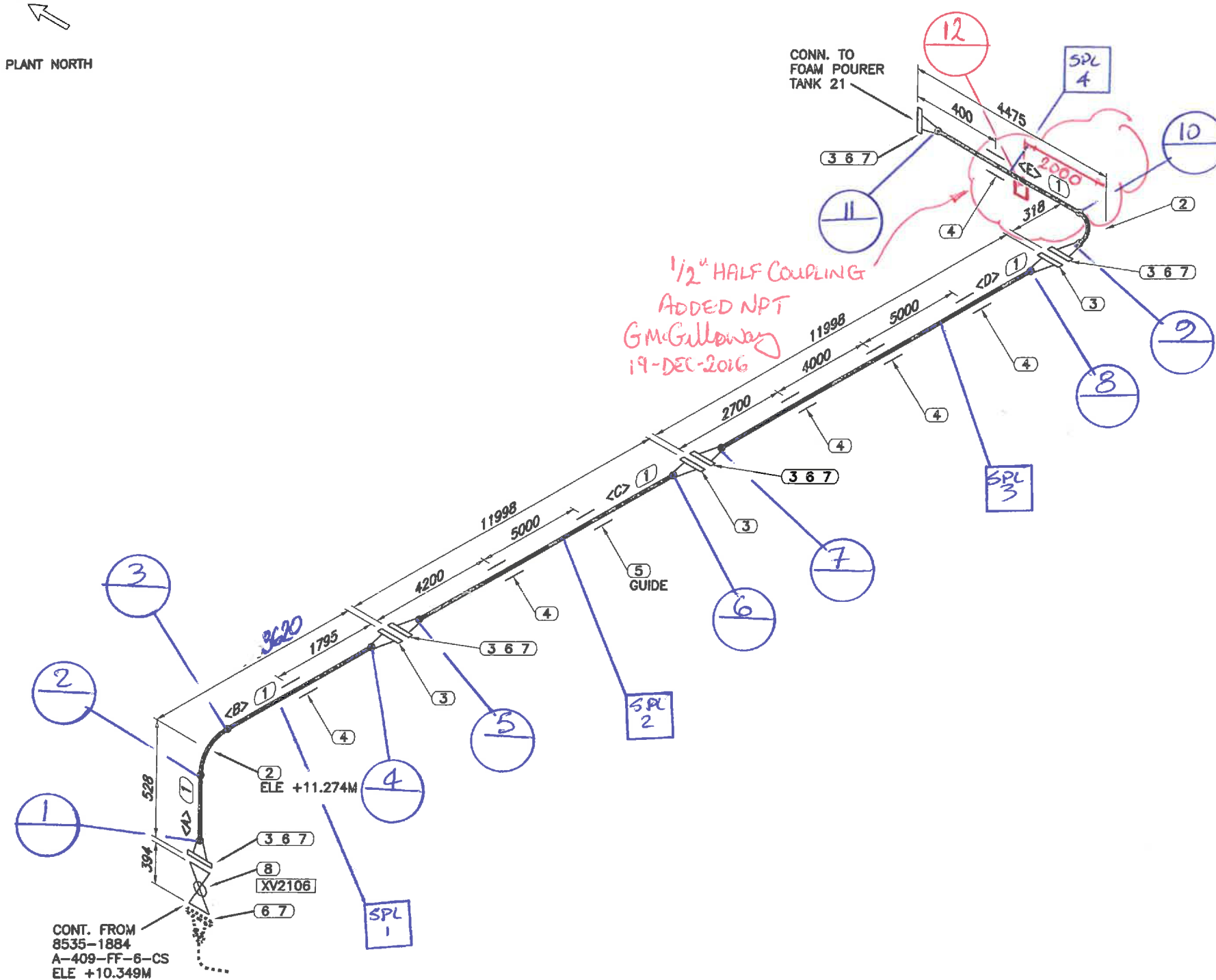


PLANT NORTH



MATERIAL LIST - FABRICATION

PT.NO	SIZE	DESCRIPTION	QTY	WEIGHT (KG)
1	6	PIPE, SMLS CS SCH.40 ASTM A106 B	31.3 M	882.9
2	6	90 DEG. LONG RADIUS ELBOW, BW, ASME B16.9 SCH.40 ASTM A234	2	20.3
3	6	FLANGE, WN, RF, 150 LB. ASME B16.5 ASTM A105	8	87.2
4	6	PIPE SHOE PS001	6	17.4
5	6	GUIDED PIPE SHOE PS002	1	3.1

GALV. AFTER FAB.

MATERIAL LIST - ERECTION

PT.NO	SIZE	DESCRIPTION	QTY	WEIGHT (KG)
6	6	GASKET, 1.6mm, 150 LB. COMPRESSED NON ASBESTOS FIBRE BS 7531	6	6.0
7	3/4	(8) BOLT SET, 150LB ASTM A193 Gr.B7 BOLTS/ASTM A194 Gr.2H NUTS (100 MM LG)	6	18.5
8	6	BALL VALVE, FB, 150 LB. BS531, A350 CS, XV2106	1	109.1

CUTTING LIST

CUT PIECE	SIZE	LENGTH (MM)	END PREP-1	END PREP-2
A	6"	211	BEVEL	BEVEL
B	6"	3263	BEVEL	BEVEL
C	6"	11821	BEVEL	BEVEL
D	6"	11821	BEVEL	BEVEL
E	6"	4158	BEVEL	BEVEL

C1	ISSUED FOR CONSTRUCTION	DS	20/05/16	LJP					
REV	DESCRIPTION	BY	DATE	CHK	REV	DESCRIPTION	BY	DATE	CHK