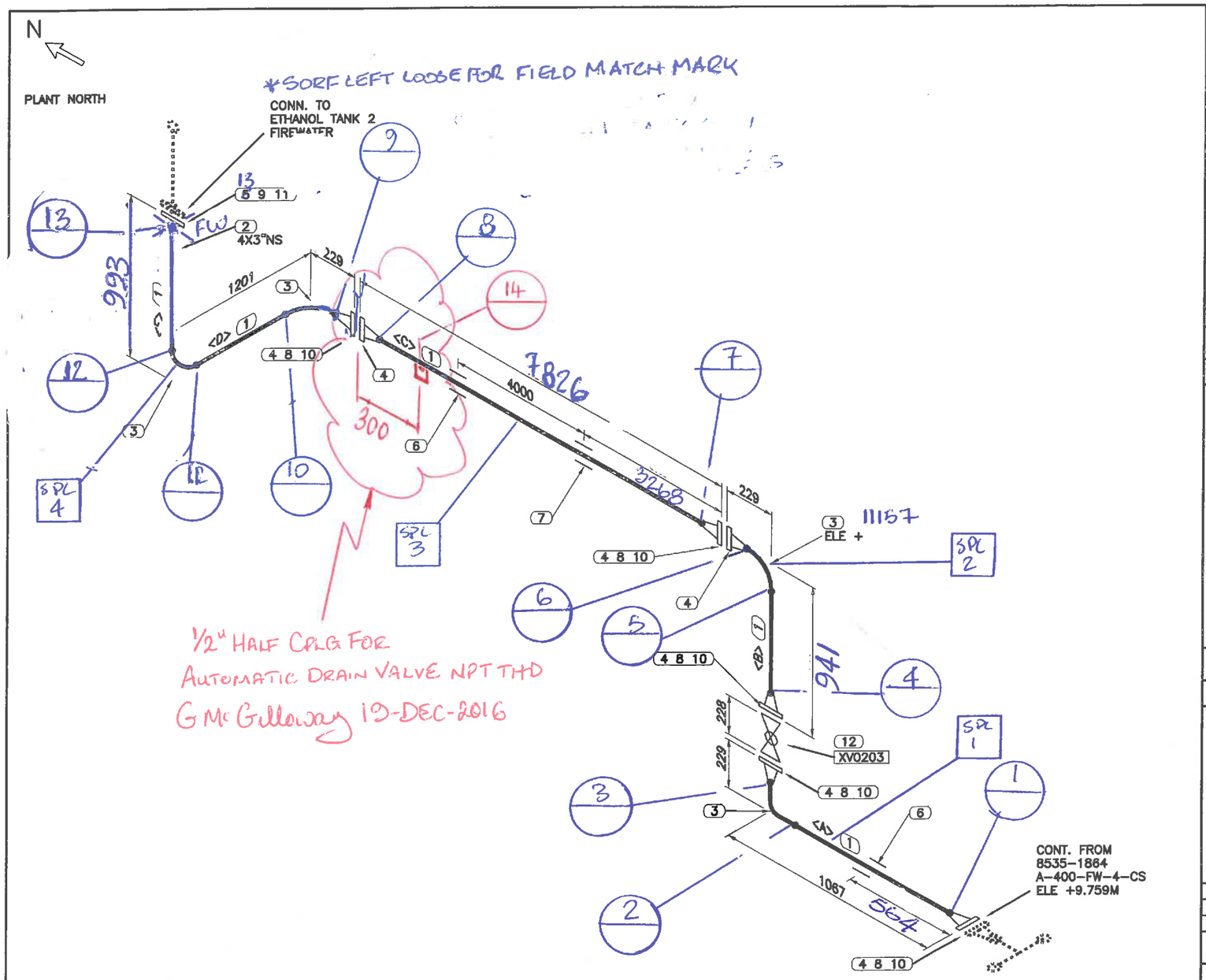


## MATERIAL LIST – FABRICATION

| PT.NO | SIZE | DESCRIPTION | QTY | WEIGHT (KG) |
|---|---|---|---|---|
| 1 | 4 | PIPE, SMLS CS SCH.40 ASTM A106 B | 10.7 M | 171.3 |
| 2 | 4X3 | CONCENTRIC REDUCER, BW, ASME B16.9 SCH.40 ASTM A234 | 1 | 1.4 |
| 3 | 4 | 90 DEG. LONG RADIUS ELBOW, BW, ASME B16.9 SCH.40 ASTM A234 | 4 | 15.4 |
| 4 | 4 | FLANGE, WN, RF, 150 LB. ASME B16.5 ASTM A105 | ~~7~~ 6 | 47.6 |
| 5 | 3 | FLANGE, WN, RF, 150 LB. ASME B16.5 ASTM A105 | 1 | 5.1 |
| 6 | 4 | PIPE SHOE PS001 | 2 | 5.8 |
| 7 | 4 | GUIDED PIPE SHOE PS002 | 1 | 3.1 |
| 13 | 4 | FLANG SORF 150LB | | |
| | | GALV. AFTER FAB. | | |

## MATERIAL LIST – ERECTION

| PT.NO | SIZE | DESCRIPTION | QTY | WEIGHT (KG) |
|---|---|---|---|---|
| 8 | 4 | GASKET, 1.6mm, 150 LB. COMPRESSED NON ASBESTOS FIBRE BS 7531 | 5 | 5.0 |
| 9 | 3 | GASKET, 1.6mm, 150 LB. COMPRESSED NON ASBESTOS FIBRE BS 7531 | 1 | 1.0 |
| 10 | 5/8 | (8) BOLT SET, 150LB ASTM A193 Gr.B7 BOLTS/ASTM A194 Gr.2H NUTS (90 MM LG) | 5 | 7.8 |
| 11 | 5/8 | (4) BOLT SET, 150LB ASTM A193 Gr.B7 BOLTS/ASTM A194 Gr.2H NUTS (90 MM LG) | 1 | 0.8 |
| 12 | 4 | BALL VALVE, FB, 150 LB. BS531, A350 CS, XV0203 | 1 | 41.0 |

## CUTTING LIST

| CUT PIECE | SIZE | LENGTH (MM) | END PREP-1 | END-PREP-2 |
|---|---|---|---|---|
| A | 4" | ~~839~~ | BEVEL | BEVEL |
| B | 4" | ~~909~~ | BEVEL | BEVEL |
| C | 4" | ~~7870~~ | BEVEL | BEVEL |
| D | 4" | 897 | BEVEL | BEVEL |
| E | 4" | ~~351~~ | BEVEL | BEVEL |

| REV | DESCRIPTION | BY | DATE | CHK | REV | DESCRIPTION | BY | DATE | CHK |
|---|---|---|---|---|---|---|---|---|---|
| C1 | ISSUED FOR CONSTRUCTION | DS | 03/05/16 | LJP | | | | | |

GENERAL NOTES

C2