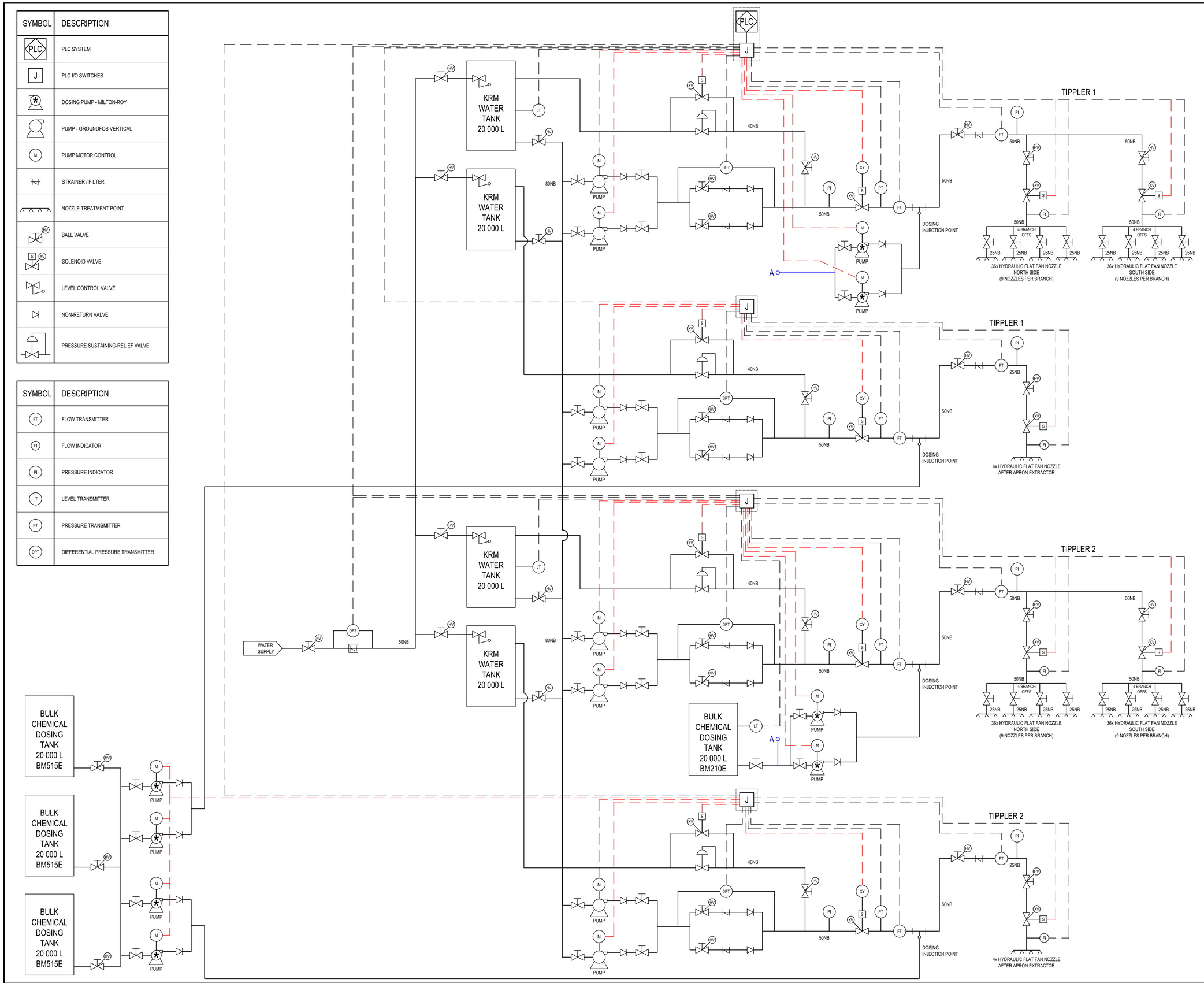
25 August 2017 12:18:30 PM

| SYMBOL | DESCRIPTION |
|---|---|
| PLC | PLC SYSTEM |
| J | PLC I/O SWITCHES |
| | DOSING PUMP - MILTON-ROY |
| | PUMP - GROUNDFOS VERTICAL |
| M | PUMP MOTOR CONTROL |
| | STRAINER / FILTER |
| | NOZZLE TREATMENT POINT |
| XV | BALL VALVE |
| S XV | SOLENOID VALVE |
| | LEVEL CONTROL VALVE |
| | NON-RETURN VALVE |
| | PRESSURE SUSTAINING-RELIEF VALVE |

| SYMBOL | DESCRIPTION |
|---|---|
| FT | FLOW TRANSMITTER |
| FI | FLOW INDICATOR |
| PI | PRESSURE INDICATOR |
| LT | LEVEL TRANSMITTER |
| PT | PRESSURE TRANSMITTER |
| DPT | DIFFERENTIAL PRESSURE TRANSMITTER |




0 10 50 100

O:\PROJECTS DRAWINGS\32000 - 32999\32887.00\ELECTRICAL\TENDER DRAWINGS\32887.00-300-01 REV 0.1.DWG

***NOTES / LEGEND***

# FINAL DESIGN PROPOSAL

***APPROVED BY TRANSNET RME***

TRANSNET REPRESENTATIVE | REG. NO. | DATE

***APPROVED BY TRANSNET PORT TERMINAL***

TRANSNET REPRESENTATIVE | REG. NO. | DATE

***AMENDMENTS CODE***

A,B,C../ : BEFORE TENDER
0 / : TENDER DRAWING
1,2,3.../ : AFTER TENDER
Z / : AS BUILT

IA : BY CLIENT
IB : BY ARCHITECT
IC : BY MECHANICAL OR ELECTRICAL
ID : BY BVI
IE : BY OTHER ( )

| DATE | INITIAL | No./CODE | REVISION DESCRIPTION |
|---|---|---|---|
| 22/05/2017 | W.B | 0/D | FOR TENDER PURPOSES |
| 25/08/2017 | W.B | 0.1/D | FINAL DESIGN PROPOSAL |
| | | | |
| | | | |
| | | | |

***OFFICES***

| PROVINCE | OFFICE | | E-MAIL |
|---|---|---|---|
| Gauteng | Erasmia | (012) 940-1111 | pta@bvi.co.za |
| | Polokwane | (015) 291-5400 | jhb@bvi.co.za |
| Free State | Bloemfontein | (051) 447-2137 | bfn@bvi.co.za |
| | Welkom | (057) 353-2499 | wel@bvi.co.za |
| Northern Cape | Upington | (054) 337-6600 | upt@bvi.co.za |
| | Springbok | (027) 712-3614 | spk@bvi.co.za |
| KwaZulu Natal | Durban | (031) 266-9382 | dbn@bvi.co.za |
| | Empangeni | (035) 772-6112 | emp@bvi.co.za |
| Eastern Cape | Port Elizabeth | (041) 373-4343 | ptb@bvi.co.za |
| | East London | (043) 735-5899 | ctb@bvi.co.za |
| Western Cape | Cape Town | (021) 527-7000 | cpt@bviwc.co.za |

Visit or contact us online at www.bvigroup.co.za

ISO 9001 Registered | CESA Consulting Engineers South Africa

bvi ENGINEERING PROCUREMENT MANAGEMENT — INCORPORATING basil nair and associates consulting mechanical engineers

Registration no. 1998/020157/07

***CLIENT***

TRANSNET freight rail

***PROJECT***

BULK TERMINAL, SALDANHA IRON ORE HARBOUR:
THE DESIGN OF AN IMPROVED DUST SUPPRESSION SYSTEM

***DRAWING TITLE***

REFURBISHMENT OF EXISTING CHEMICAL DOSING PLANT:
TIPPLER TREATMENT POINTS - P&ID LAYOUT DRAWING

***APPROVED BY BVI***

ENGINEER/TECHNOLOGIST | 20080282 REG. NO. | 25/05/2016 DATE

| SCALE | NTS | DRAWN | WB |
|---|---|---|---|
| DESIGNED | GH | CHECKED | GH |

| PLAN NUMBER | REVISION NO. | DATE SAVED |
|---|---|---|
| 32887.00-300-03 | 0.1 | 25 August 2017 |

32887.00-300-01 REV 0.1.DWG