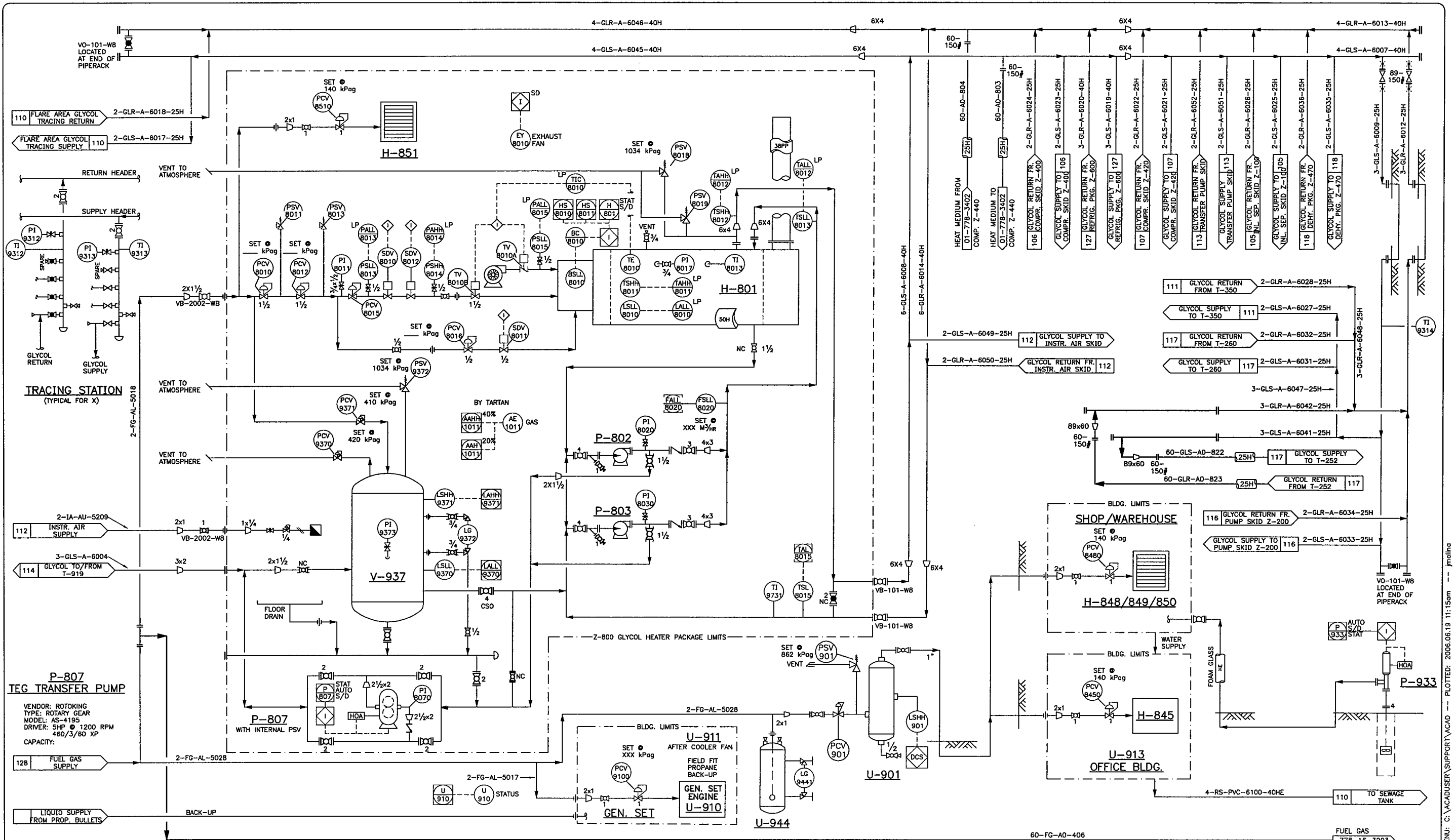




| Equipment                        | Vendor                      | Model                | Capacity                     | Design                      | Diff.              | Driver            |
|----------------------------------|-----------------------------|----------------------|------------------------------|-----------------------------|--------------------|-------------------|
| Z-800 GLYCOL HEATER PACKAGE      | H.F. CLARK                  |                      |                              |                             |                    |                   |
| V-937 GLYCOL EXPANSION TANK      |                             | SIZE: mm OD x mm S/S | CAP.: GAL                    | D.P.: kPa @ °C              |                    |                   |
| P-802/803 GLYCOL PUMPS           | MAKE/MODEL: UNION VCM 3x4x9 | TYPE: CENTRIFUGAL    | CAP.: 97 m <sup>3</sup> /hr. | DESIGN. DIFF.: 37m          | DRIVER: 25 HP      |                   |
| H-801 GLYCOL HEATER              | VOLCANO                     | TF-280M-WBHTG        | DUTY: 5.5 MILLION BTU/hr.    | D.P.: 150 PSIG AT 350°F     |                    |                   |
| H-851 BUILDING HEATER            | CATADYNE                    |                      |                              |                             |                    |                   |
| U-944 ODORIZER POT               | WILLIAMS INSTRUMENTS        |                      |                              |                             |                    |                   |
| H-848/849 BUILDING HEATERS (GAS) | REZNOR                      | F50N                 | SIZE: 50,000 BTU/hr          |                             |                    |                   |
| U-901 FUEL GAS DRIFT POT         | NATCO                       |                      | 219.1mm O.D. x 914mm s/s     |                             |                    |                   |
| H-850 BUILDING HEATERS           | REZNOR                      | F700N                | SIZE: 100,000 BTU            |                             |                    |                   |
| H-845 OFFICE BLDG. FURNACE       |                             |                      |                              |                             |                    |                   |
| P-933 POTABLE WATER WELL PUMP    |                             | MAKE/MODEL:          | TYPE:                        | CAP.: (m <sup>3</sup> /hr.) | DESIGN. DIFF.: (m) | DRIVER: (kW/H.P.) |

© TARTAN ENGINEERING LTD 1997

300, 735 - 6 Avenue S.W. Calgary, Alberta T2P 3W1  
Telephone: (403) 237-7180 Fax: (403) 237-7188

| REV | REVISION                                                                        | DATE     | DRWN | CHKD | CIVIL | PROC | MECH | ELEC | INST | SYST | PROJ | Q.A. | OWNER | OWNER |
|-----|---------------------------------------------------------------------------------|----------|------|------|-------|------|------|------|------|------|------|------|-------|-------|
| 5   | PLANT EXPANSION 2001/2002 (CONCISE JOB No. 01-778.04) - ISSUED FOR BID          | 01.11.01 | CJB  |      |       |      |      |      |      |      |      |      |       |       |
| 4   | PLANT EXPANSION 2001/2002 (CONCISE JOB No. 01-778.04) - ISSUED FOR APPROVAL     | 01.09.27 | CJB  |      |       |      |      |      |      |      |      |      |       |       |
| 3   | CONTROL REVISIONS                                                               | 98.03.09 | CMK  |      |       |      |      |      |      |      |      |      |       |       |
| 11  | 2006 AS-BUILT (778.16)                                                          | 06.03.31 | GX   |      |       |      |      |      |      |      |      |      |       |       |
| 10  | GAS PLANT EXPANSION (778.16) - ISSUED FOR CONSTRUCTION                          | 05.12.23 | ME   |      |       |      |      |      |      |      |      |      |       |       |
| 9   | GAS PLANT EXPANSION (778.16) - ISSUED FOR OGC PERMIT                            | 05.11.18 | ME   |      |       |      |      |      |      |      |      |      |       |       |
| 8   | PLANT EXPANSION 2001/2002 (CONCISE JOB No. 01-778.04)                           | 02.03.13 | AJR  |      |       |      |      |      |      |      |      |      |       |       |
| 7   | GENERAL REVISION (01-778.04)                                                    | 02.02.01 | SM   |      |       |      |      |      |      |      |      |      |       |       |
| 6   | PLANT EXPANSION 2001/2002 (CONCISE JOB No. 01-778.04) - ISSUED FOR CONSTRUCTION | 01.11.30 | CJB  |      |       |      |      |      |      |      |      |      |       |       |

PERMIT

ENGINEER

CHINCHAGA GAS PLANT  
c-32-H/94-H-8  
UTILITIES SYSTEM P&ID

SCALE: NTS

PROJECT No: 226200

DWG. No: A1-2262-B-115

REV: 11

FILE NAME: G:\778.00\MECH\2262B115.DWG -- MENU: C:\ACADUSER\SUPPORT\ACAD -- PLOTTED: 2006.06.19 11:15am -- j.molina