

| | | | | Wolan - a lill | | | | | | LIN | E LIST | | | | | | | | | | | | |
|-----------|-------------|-----------|--------------------|-------------------|--------|-----------------|------------|------------|------------------|------|--------------|-------|-------------|-------|---------------|------------|------|---------|-------|-------------------------|----------|-----------|------------|
| 1 N S N S | PIPE | PIPE SIZE | DESCRIPTION | | Р | PRESSURE (kPag) | | | TEMPERATURE (°C) | | PIPE SCH. | X-RAY | INT. | MATL. | ANSI CLASS | INSULATION | | SERVICE | FLUID | POST WELD TREATMENTS | TRACING | REFERENCE | COMMENTS |
| LINE NO. | SPEC. | (in) | FROM | то | DESIGN | OPERATING | HYDRO TEST | DESIGN | OPERATING | (mm) | SCH. | (%) | COAT Y/N | MAIL | CLASS | TYPE | тнк. | SERVICE | FLOID | TREATMENTS | TIVICITO | P&iD | COMMENT |
| L1 | ASN | 4 | SKID EDGE (N1) | P-101 | 1,034 | 100 | 2,948 | -29 TO 121 | 80 TO 120 | 3.2 | 40 | 100 | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,3 |
| L2 | ASN | 3 | P-101 | F-100 | 1,034 | 345 | 2,948 | -29 TO 121 | 80 TO 120 | 3.2 | 40 | 100 | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,3 |
| L3 | ASN | 3 / 4 | F-100 | P-100 | 1,034 | 345 | 2,948 | -29 TO 121 | 80 TO 120 | 3.2 | 40 | 100 | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,3 |
| L4 | ASN | 2.5 / 2 | P-100 | S-101 | 1,034 | 345 | 2,948 | -29 TO 121 | 80 TO 120 | 3.2 | 40 | 100 | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,3 |
| L5 | ESN1 | 3 | P-100 | SKID EDGE (N2) | 24,821 | 18,615 | 38,318 | -29 TO 121 | 80 TO 120 | 3.2 | xxs | 100 | N | A106B | CL1500 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,3 |
| L6 | ASN | 2 | PSV-101 PSV-102 | SKID EDGE (N3) | 1,034 | ATM | 2,948 | -29 TO 121 | 80 TO 120 | 3.2 | 40 | 100 | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,3 |
| L7 | ASN | 1 | L1, L2, L3, L5 | OPEN SUMP | N/A | ATM | N/A | -29 TO 121 | 80 TO 120 | 3.2 | 40 | 100 | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,2,3 |
| L8 | NON CODE | 2 | OPEN SUMP | SKID EDGE (N6) | N/A | ATM | N/A | -29 TO 121 | 80 TO 120 | 3.2 | 80 | - | N | A106B | CL150 | N/A | N/A | SWEET | OIL | N/A | ET | 3973-01 | NOTE 1,2,3 |

| NOTES: | REVISIONS: | | | | | | APPROVALS: | CanDyne | | |
|--|-------------------|--|---|---|-----------|--|--|---|---|--|
| PIPING SPECS AS PER CANDYNE INC SPECIFICATION ASN (FEB, 2011) REV 2 & ESN1 (FEB, 2011) DESIGN FOR ATMOSPHERIC CONDITION. ALL NDE AND HYDRO-TEST WAVED FOR THESE LINES. | REVISION SYMBOL = | REV DATE A 2017.03.13 B 2017.04.04 C 2017.05.23 0 2017.06.07 | | DWN LF | CHK LF | APP | APPROVED FOR CONSTRUCTION DRAWINGS SHALL NOT BE USED FOR FABRICATION UNLESS THE THIS STAMP HAS BEEN SIGNED AND DATED BY CANDYNE PERSONNEL | Pump Services Inc. | | |
| 3. HEAT TRACE TO MAINTAIN 80°C, INSULATE W/ MINERAL WOOL PIPE INSULATION WITH BANDS TO HOLD IN PLACE. CLADDING NOT REQUIRED. | D. | | _ | | NS NS | GP GP | | WORK COMPLETED WITHOUT THIS APPROVAL IS AT THE RISK AND EXPENSE OF THE FABRICATOR REFER TO NOTES BELOW. APPROVED - PROCEED WITH CONSTRUCTION | PACKAGE: PROJECT 3973 WATER INJECTION PUMP PACKAGE | |
| | | CANDYNE PUM | | G AND DATA EMBODY INFORMATION WHICH IS THE O MP SERVICES INC. AND SHALL NOT BE COPIED, RE R USED IN WHOLE OR IN PART FOR ANY PURPOSE WRITTEN CONSENT OF CAMPYNE PUMP SERVI | PRODUCE | DUCED, DISCLOSED TO THOUT THE EXPRESS | | SIGNATURE DATE | DRAWN: DATE: DESIGN: SCALE: REV: O DRAWING NUMBER: 3973-02 | |



















