



SCALE: NOT TO SCALE

- ## ALARMS

MAJOR ALARM (DIAL OUT)

INTAKE PUMP FAILURE RWP 1 & 2
LOW BUILDING TEMP
POWER OFF - STAND-BY GENERATOR FAIL
VERY LOW FUEL
HEAT TRACE LOW TEMP RWP 1 & 2

MINOR ALARM (LOCAL ANNUNCIATOR ONLY)

HIGH BUILDING TEMP
POWER OFF - STAND-BY GENERATOR ON
LOW FUEL TEMP
HIGH WASTE WATER TANK LEVEL
HEAT TRACE GENERAL FAULT
GENERATOR GENERAL FAULT

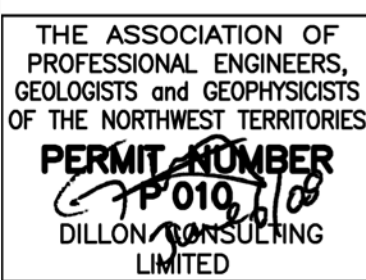
6. PROVIDE PLC TO ACCOMMODATE FOR THE ABOVE CAPTIONED INPUT. ACCEPTABLE PLC: CONTROL MICRO SYSTEM (SCADA PACK), SIEMENS(S7-200 SERIES) W10 (DATA PACK) PHOENIX. PROVIDE ALL NECESSARY ACCESSORIES AS INDICATED INCLUDING POWER SUPPLY, UPS AND MODEM MODULE FOR A COMPLETE SYSTEM.
7. PROVIDE A FOUR (4) CHANNEL AUTO DIALER TO DIAL OUT ON ANY MAJOR ALARM/FAULT. PROGRAM AS INSTRUCTIONS AT SITE.
8. PROVIDE ONE COPY AND LICENSE OF THE SYSTEM MANUFACTURER'S PROPRIETARY SCADA SOFTWARE AND INSTALL ON THE SCADA COMPUTER.
9. PROVIDE A DESKTOP SCADA COMPUTER INCLUDING:
 - 19" LCD MONITOR
 - 500 GB HARD DRIVE
 - PROCESSOR AND MEMORY ACCORDING TO SCADA MANUFACTURER'S RECOMMENDATIONS (MIN: CORE II DUO 2QHZ CPU AND 1 GB MEMORY)
 - DVD Z BURNER
 - KEYBOARD AND OPTICAL MOUSE
 - EXTERNAL US ROBOTICS MODEM
 - 10/100 ETHERNET CARD
 - OPERATING SYSTEM PER SCADA MANUFACTURER'S RECOMMENDATIONS.
10. SYSTEM TO BE SIMILAR TO CURRENTLY ADVERTISED COMPLETE SYSTEMS BY MAJOR MANUFACTURERS (DELL, HP, ETC.)
11. INSTALL SCADA SOFTWARE AND TRAIN TWO PEOPLE AS INTRODUCED BY CLIENT.

Conditions of Use

Verify elevations and/or dimensions on drawing prior to use.
Report any discrepancies to Dillon Consulting Limited.

Do not scale dimensions from drawing

Do not modify drawing, re-use it, or use it for purposes other than those intended at the time of its preparation without prior written permission from Dillon Consulting Limited.



3	ISSUED FOR TENDER	06/06/08	GS
2	ISSUED FOR 100% CLIENT REVIEW	04/30/08	GS
1	ISSUED FOR CLIENT REVIEW	03/15/08	GS
No.	ISSUED FOR	DATE	BY

DESIGN	REVIEWED BY
SAI	GS
DRAWN	CHECKED BY
JPM	GS
DATE	
JUNE 2008	
SCALE	NTS

TALOYOAK WATER TREATMENT PLANT
TALOYOAK, NUNAVUT

PROJECT NO.
07-8107-2000

SHEET NO.

INSTRUMENTATION AND CONTROL

405