D SIZE 22" x 34" (559mm x 864mm)

PLOT: 07/06/15 9:21:47 AM

UMA FILE NAME: D265-199-00_01-IL0005_RX.dwg Saved By: rpostlet

FIELD

LG-046-XE-7
ENG #26
FRONT LEFT
VIB SENSOR

LG-046-XE-8
ENG #26
FRONT RIGHT
VIB SENSOR

LG-046-XE-7

LG-046-XE-8

LOOP NO. LG-046-XE-7
LG-046-XE-8

LG-046-TE-7
PP#26 CLUTCH
OUTBOARD BEARING
TEMP SENSOR

LG-046-TE-7

LOOP NO. LG-046-TE-7

PUMP LOCAL CONTROL PANEL

BENTLY NEVADA
RACK POSITION 6
3300/55

CH A | CH B
A
B
NC
BUF
COM
REC

ALERT | DANGER
NC
ARM
NO
NC
ARM
NO

BENTLY NEVADA
RACK POSITION 11-12
3300/35

CHANNEL | COM | OUT
1
2
3
4
5
6
A
B
NC
BUF
COM
REC

ALM 1 | ALM 2
NC
ARM
NO
NC
ARM
NO

PLC

NOTE:

DRN	CHK	DES	ENG	IDR
			DC	AC

UMA | AECOM REVIEW

APEGM
Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: June 15/07

FIELD

GAS ENGINE OIL PRESSURE — LFG 046 PIT-1
GAS ENGINE CRANKCASE FILTER DIFF. — LFG 046 DIT-1
GAS ENGINE COMBUSTION AIR FILTER DIFF. LEFT — LFG 046 DIT-2
GAS ENGINE COMBUSTION AIR FILTER DIFF. RIGHT — LFG 046 DIT-3
NATURAL GAS MASS FLOW — LFG 046 FIT-1

LOOP NO. LFG-046-PIT-1
LFG-046-DIT-1
LFG-046-DIT-2
LFG-046-DIT-3
LFG-046-FIT-1

120 VAC POWER SUPPLY PANEL 'E' CCT. #4

BATTERY CONDITION FAULT — LFG 046 EAL-1
BATTERY VOLTAGE LOW — LFG 046 EAL-2
HAND / AUTO — LFG 046 HS-4
LFG 046 HS-5

LOOP NO. LFG-046-EAL-1
LFG-046-EAL-2
LFG-046-HS-4
LFG-046-HS-5

NOTE
1. ALL FIELD WIRING TO BE NEW.

PUMP LOCAL CONTROL PANEL

0.063A
300 _ _ +
300 _ _ -
300 _ _ S

EXISTING INSTRUMENT GROUND

2A
2253H
2253N

0.2A
100 _ _ H
100 _ _

PLC

AS-BADU-205
ANALOG INPUT
PLC RACK _ , SLOT _

300 _ _
_ _
_ _

LFG-046-PIT-1
ANALOG I/P
ENGINE OIL PRESSURE

LFG-046-DIT-1
ANALOG I/P
ENGINE CRANKCASE
FILTER DIFFERENTIAL
PRESSURE

LFG-046-DIT-2
ANALOG I/P
ENGINE COMBUSTION AIR
FILTER DIFFERENTIAL
PRESSURE LEFT

LFG-046-DIT-3
ANALOG I/P
ENGINE COMBUSTION AIR
FILTER DIFFERENTIAL
PRESSURE RIGHT

LFG-046-FIT-1
ANALOG I/P
NATURAL GAS
MASS FLOW

AS-BDEP-210
DISCRETE INPUT
PLC RACK _ , SLOT _

2253N
100 _ _

LFG-046-EAL-1
DIGITAL I/P
BATTERY CONDITION
FAULT

LFG-046-EAL-2
DIGITAL I/P
BATTERY VOLTAGE
LOW

LFG-046-HS-4
DIGITAL I/P
PRE-LUBE OIL PUMP
HAND

LFG-046-HS-5
DIGITAL I/P
PRE-LUBE OIL PUMP
AUTO

B.M. ELEV.	FIELD BOOK #:			
POSTED TO LBIS				
C	ISSUED FOR BID	07/06/15	SCK	
B	ISSUED FOR 99% REVIEW	07/05/04	SCK	
A	ISSUED FOR 75% REVIEW	07/03/15	SCK	
NO.	REVISIONS	DATE	BY	

UMA | AECOM

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DESIGNED BY	JKM	CHECKED BY	-----
DRAWN BY	SCK	APPROVED BY	-
HOR. SCALE	NTS	RELEASED FOR CONSTRUCTION	
VERTICAL	NTS		
DATE	07/03/09	DATE	

FILENAME: D265-199-00_01-IL0005_RX.dwg

ENGINEER'S SEAL
PROVINCE OF MANITOBA
B.L. MOORE
June 15/07
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

G. C. MACLEAN PUMPING STATION
Contract No.
Natural Gas Engine Drives Replacement
Instrumentation - Loop Diagrams
NATURAL GAS ENGINE P-26

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0630A-D-A0005	001	C	D