



MATERIALS LIST

No.	DESCRIPTION	SIZE	QTY
1	PIPE, TBE, A53 GR.3, SMLS SCH 40	25	5.9 M
2	90 DEG ELBOW, FTBE, BS143, MALLEABLE IRON	25	3
3	UNION, THRD, 3000LB, FTBE, BS143, MALLEABLE IRON	25	1
4	FLANGE, THD, A105, FFFE, PN40, BS EN 1092-113	25	1
5	GASKET, FF, 2MM THK, PN40, BS EN 1092-1/12, KLINGER TOPOGRAPH 2000 OR EQUIVALENT	25	1
6	(4) BOLT SET, HEX HEAD BOLT TO BS 4190 GR 4.6 BA 4190 GR.4 NUT/2 OFF BS 4320 WASHERS (75.000 MM LG)	13	1
7	BALL VALVE, FFFE, 3S EN 1092-1, PN10, ANSI B16.10, A351 CF8M BODY, A351 BALL/STEM, DD1700 SEAT, FB, LO, ANSI B16.34 TEST	25	1

DOCUMENT CONTROL
Category No: D400V
2011-07-27
Seq. No: 534 Sub 01
Reg. No: MASTER

ISSUED
FOR
CONSTRUCTION

- GENERAL NOTES:
- ALL DIMENSIONS ARE GIVEN BETWEEN CENTRELINES, UNLESS OTHERWISE NOTED, WHILE PIPING ELEVATIONS ARE CENTRELINER BASED, AS INDICATED.
 - GASKET AND COMPLETE BOLT SETS AS PER LINE CLASS SPECIFICATION TO BE SUPPLIED BY CONTRACTOR.
 - ALL BOLT CIRCLES STRADDLE PRINCIPAL CENTRELINES UNLESS OTHERWISE NOTED.
 - FFW (FIELD FIT WELD) LOCATIONS DENOTED ON DRAWINGS ARE INDICATIVE ONLY. THE LOCATIONS OF SUCH FIELD ALLOWANCE REMAIN THE RESPONSIBILITY OF THE PIPING FABRICATOR/ERECTOR.
 - PIPING FABRICATOR/ERECTOR TO VERIFY ROUTING AND DIMENSIONS FROM ISOMETRIC AND/OR PIPING GENERAL ARRANGEMENT DRAWING PRIOR TO FABRICATION AND ERECTION.
 - THE PIPING ERECTOR SHALL VERIFY THE ELEVATIONS AND CO-ORDINATES OF EXISTING INSTALLED CIVILS, STRUCTURAL AND MECHANICAL EQUIPMENT INCLUDING ELECTRICAL AND INSTRUMENTATION RACEWAY ROUTES, PRIOR TO INITIATING RELATED WORK, AND REPORT POTENTIAL CLASHES TO THE RESPONSIBLE BATEMAN SITE REPRESENTATIVE.
 - SITE RUN AND SITE SUPPORT PIPING TO BE DETERMINED BY BATEMAN SITE REPRESENTATIVE.
 - ALL INLINE INSTRUMENTS AND ACTUATED CONTROL VALVES ARE FREE ISSUE, SUPPLIED BY INSTRUMENTATION.
 - ALL FLANGE CONNECTIONS TO PUMPS TO USE MATING FLANGE SUPPLIED BY PUMP VENDOR.
 - ALL CLOSURES MARKED THUS (1) TO BE APPROXIMATELY 150mm LONGER FOR SITE ADJUSTMENT, ONE FLANGE TO BE TACK WELDED ON SITE WELDING. (THESE LOCATIONS ARE INDICATIVE ONLY & REMAINS THE RESPONSIBILITY OF THE FABRICATOR/ERECTOR)

DOCUMENT CONTROL
Category No: 2510
29 APR 2010
Seq No: 101 Sub 2
Reg. No: MASTER

AREA CODE
H8300
FOSKOR
BATEMAN
BATEMAN PROJECTS LTD.
REG. No. 1971/008216/06

REG. ENG. APPROVAL
DATE
NAME
NUMBER
SIGNATURE

FOSKOR EXTENSION 8 "DP"
DE-BOTTLENECKING PROJECT
FROM IA-880-002-80-BAB2 TO CYCLONE FEED TANK
LINE No. IA-830-271-025-BAB2
PROJECT No. M8083
DWG No. H83003X510271001

FLUID CODE	IA	OPER PRESSURE (MPa)	B00	TRACING QTY / SIZE	N/A	DEPT	SIGN	DATE
SERV. CATEGORY	M	OPER TEMP. (°C)	25	INS. TYPE	N/A	C & I	SLD	21/01/10
PIPE DESIGN CODE	ASME B31.3	UNING / REFRACT	N/A	INS. SIZE & THK	N/A	PROCESS	MS	21/01/10
DESIGN PRESS (MPa)	1000	RADIOGRAPHY	N/A	STRESS CHECKED	Y	PSL	RvN	21/01/10
DESIGN TEMP (°C)	45	HARDNESS TEST	N/A	PR. TEST MEDIUM	L	PROJ ENG	EW	21/01/10
TEST PRESSURE (MPa)	C	PWHT	N	CHEM. CLEANING	N			
PAINT SYSTEM	PE	TRACING TYPE	N/A	LINE CLASS SPEC:	BAB2			

27 APR 2010

REF.	ORG. NUMBER	TITLE	No.	DATE	DESCRIPTION	BY	CHKD	SLDR	ENG
1			1	28/04/10	LINE REVISED UNIONS ADDED	PRC	CS	RvN	CS
0			0	21/01/10	ISSUED FOR CONSTRUCTION	PRC	CS	RvN	CS
A			A	06/11/09	ISSUED FOR INTERNAL REVIEW	PRC	CS	RvN	CS

M8083-D400V-M-X-004-003