



BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19027-100-01 36in elbow	36" XS x 160" RADIUS x 90° PIPE BEND, API 5L Grade X65M
2	2	A1-19027-100-02 36in pipe	36" XS x 14 17/32" PIPE, API 5L Grade X65M
3	2	A1-19027-100-03 34in Type B victaulic ring	34" INVERTED TYPE B VICTAULIC RING FOR 200 SERIES COUPLING, A350 LF2, CUSTOM TYPE B
4	1	A1-19027-100-04 HCWI elbow - male	28 1/2" ID x 2" WALL x 30° HCWI ELBOW - MALE, ASTM A532 CLASS III TYPE A, PF# 470284
5	1	A1-19027-100-05 HCWI elbow - female	28 1/2" ID x 2" WALL x 30° HCWI ELBOW - FEMALE, ASTM A532 CLASS III TYPE A, PF# 470283
6	1	A1-19027-100-08 HCWI elbow - center	28 1/2" ID x 2" WALL x 30° HCWI ELBOW - CENTER, ASTM A532 CLASS III TYPE A, PF#(TBD)
7	2	A1-19027-100-06 HCWI liner - pup	28 1/2" ID x 2" WALL x 22 23/32" HCWI LINER PUP, ASTM A532 CLASS III TYPE A, PF# 470282
8	1	A1-19027-100-07 2in x 36in threadolet	2" x 36" CLASS 3000 THREADOLET, A105N
9	1	ASME B16.11 Hex Head Plug 2	2"-NPT HEX BULL PLUG, SA234 WPB-S9
10	20	ASME B16.11 Hex Head Plug 3/4	3/4"-NPT HEX BULL PLUG, SA234 WPB-S9
11	2	Tag mount - 6in	C6x8.2 x 6" [152mm], 44W
12	-	GROUT	SIKA 300PT

REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
1	2/21/20	LINER WAS 2 OF 45° SEGMENTS, REMOVED TANGENTS FROM LINER ELBOWS, RESTORED PLUG LOCATION VIEW (G-G), ADDED SECTION F-F	GVD
0	2/12/20	ISSUED FOR CONSTRUCTION	BEM
C	2/10/20	MATERIAL FOR ELBOW AND PIPE WERE API 5L X65M, REMOVE VIEW F-F, PIPE DIMENSIONS MOVED TO PIPE LAYOUT DWG, PF NUMBERS ADDED, ADD "TYP" TO DETAIL D BEND RADIUS WAS 3658mm (144"), MODIFIED TANGENT LENGTHS TO SUIT, TAG MOUNT WAS 18"/16", HYDROTEST PRESSURE WAS 5171 kPag (750 psig), UPDATED BoM	KLS
B	1/21/20		GVD
A	1/07/20	ISSUED FOR REVIEW	GVD

EST. WT. 24,305 lbs.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.01" RADIUS. PER ANSI Y14.5 STANDARD.

TOLERANCES:

X.XX	= ± .118
X.XXX	= ± .050
X.XXX	= ± .015
X.XXX	= ± .005

ANGLES = ± 1/2°

125/125 FINISH ON ALL MACHINED SURFACES

DO NOT SCALE

DRAWN BY: GVD DATE: 1/07/20

CHECKED BY: KLS DATE:

APPROVED: BEM DATE:

MATERIAL & HEAT TREAT

REFER TO DRAWING A1-00001-100-01 FOR ALL GENERAL NOTES AND SPECIFICATIONS

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DESIGN CODE: ASME B31.3, 2018

SERVICE: HYDROTRANSPORT - SLURRY

DESIGN PRESSURE: 3447 kPag (500 psig)

DESIGN TEMPERATURE: 94°C (201°F)

TEST PRESSURE: 7665 kPag (1112 psig)

TEST TEMPERATURE: 15°C (59°F)

TEST DURATION: 10 MINUTES

ALCO Industrial

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TITLE: SPOOL SP-237-2-P-126-1-B
SYNCRUDE AURORA HT2 MAIN LINE

PROJECT No: A1-19027 REFERENCE: SP-237-2-P-126-1-B Rev.A

FILE NAME: A1-19027-100-00 SP-237-2-P-126-1-B.idw

REV. 1 SHEET 1 OF 1