REV. CAUSE ID:

STREAM REV. NO.: 7

STREAM NO.:4354

REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.

FITTINGS (L-7967) FLANGES

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A333-6 BE SMLS T01AC22V02 S-20 < PIPL020B11620 > (L-8200) I146193 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-20 <90LL210F31620> I214680 WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH I140750 F01CDC07BV05 S-20 <WNFL300R151620> (L-7971) FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 I1169071 G02HDP2QS01 <NMGQ102R1F16> (L-NMG17) STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155705480 <SB2R55G151/4> - 2 NUTS PER BOLT - 135 mm Length VALVES / IN-LINE ITEMS GATE VALVE API 600 150# A352-LCC RFFE 10-316 API 600 L7/7 125 - 250 AARH I63584490 BB-OS&Y FLXW API 600 GE ASME B16.5 V01FDC82B12S NREOD <G416L-8353>

ORIENT HANDLE SOUTH MECHANICAL INTERLOCK SP-07-240K0-04 SHALL BE INSTALLED ON THE VALVE. G4 B5 SEE ISO F3 G4 B5 2121-FL40K02-1 / SPEC B32S1 E 139523966 N 113356482 EL +5277 SPEC B32S1 N 113354046

2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.

3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✗, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT 4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.
5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002. 6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED. () CROSSING BETWEEN WEEDS ON THE ELING STALE NOT BE ADMITTED.

7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN. 8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603' 9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 45-P-000-7-06-00902/ 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019. I DENOTES PARTS LIST NO PIPE SUPPORT — A=RESTING SUPPORT G=GUIDE F=AYAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE Δ WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE. SUPPORTS LEGEND: TRESS CALC. N REP-PE-005 ISOMETRIC DRAWING 19-A-19-000-1-01-00001 sheet 41 ISSUED FOR CONSTRUCTION 03-FEB-23 M.YADAV P.VAZE G.PAGANONI 19-L-19-000-2-00-80602 PIPE LAYOUT Nº REV. APPR. CLIENT DESCRIPTION CHECK BY APPR. BY

APPROVED FOR CONSTRUCTION

Signature for construction is shown on Iso list of relevant CWA

LINE

16"-FL-40K01-B32S1

19-L-19-000-2-00-86192 sheet 2

PAINTING SCHEME (3)

PIPE MATERIAL

CS, low temperature

INSULATION CODE / THK. (mm)

HEAT TREATMENT (PWHT)

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

CONTRACTOR:

ANNEX

2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

CONTRACTOR DRAWING NUMBER:

PIPING CLASS 4001008 4274-XH-DL-2121FL40K01-2 B32S1 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY

FOR PROJECT - ALBA PROJECT REPSQL

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

PROJECT:

00 19-000-2-02-00001 sheet 2121FL40K01-2