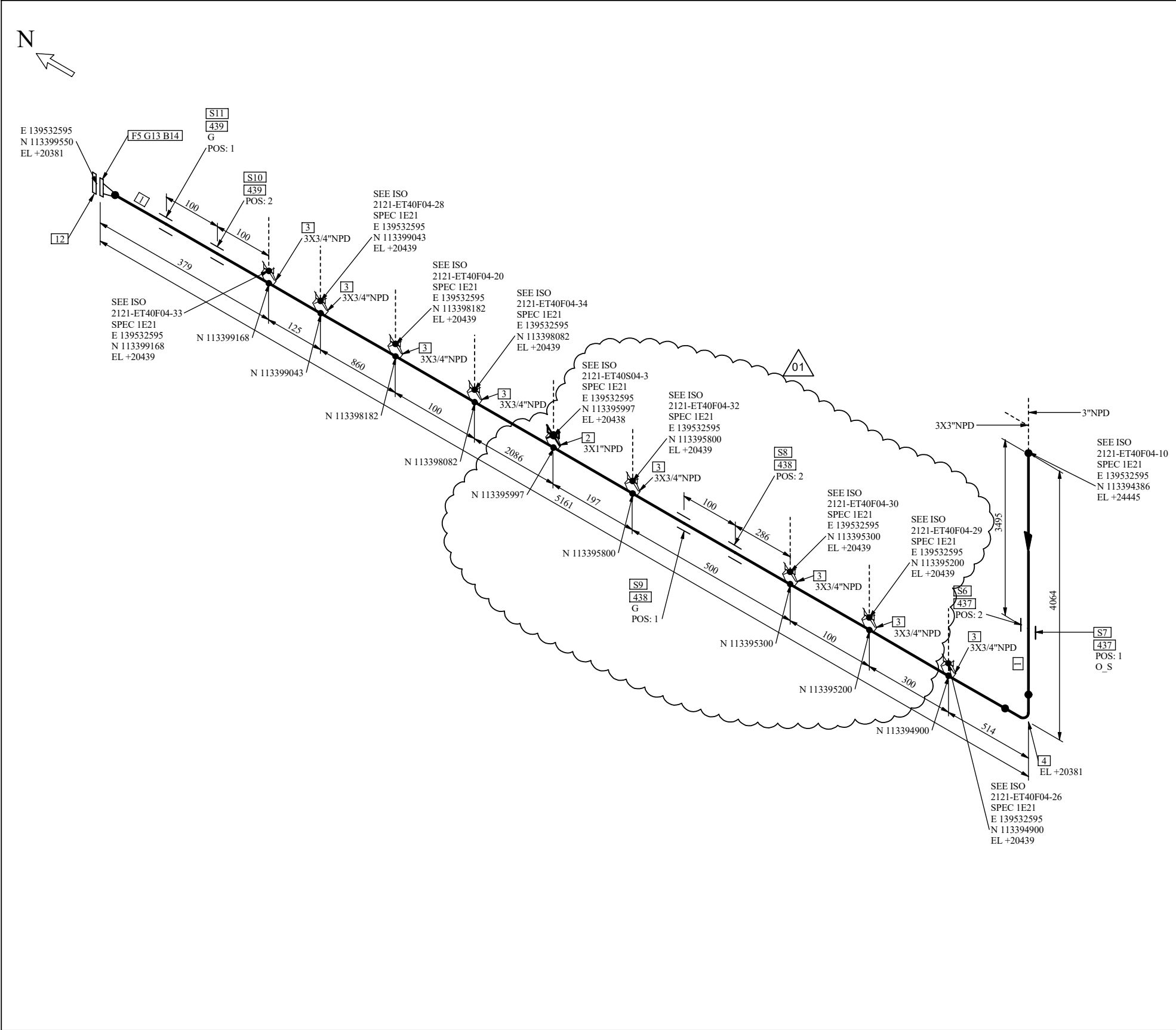


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EXTR. DATE: 07-09-2023 10:51:57 STREAM NO.:4005 CWA NO.: 10 REV. CAUSE ID: 23



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	9.0 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01512> (L-343)	3X1	I1651352	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343)	3X3/4	I1651368	8	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	1	
FLANGES					
5	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R353STD> (L-236)	3	I4217853	1	
PIPE SUPPORTS					
6	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	437	1	
7	U BOLT (FOR GUIDE)-P02D	3	437	1	
8	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	438	1	
9	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	438	1	
10	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	439	1	
11	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	439	1	
FLANGES					
12	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 <BLFA300R353> (L-143)	3	I1652388	1	
GASKETS					
13	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP11S12 <N/A> (N/A)	3	I63508968	1	
BOLTS					
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	I53437465	8	

REMARKS FOR MECHANICAL SUBCONTRACTOR:						
1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.						
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.						
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.						
SUPPORTS LEGEND:						
☐ DENOTES PARTS LIST NO		PIPE SUPPORT	—	A=RESTING SUPPORT	G=GUIDE	F=AXIAL STOP
				WHERE☐ WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.	B=ANCHOR	M=SPRING
					S=TEFLON PAD	
01	ISSUED FOR CONSTRUCTION	07-SEP-23	M.YADAV	P.VAZE	G.PAGANONI	STRESS CALC. N° - P & ID 19-A-19-000-1-01-00001 sheet 36
00	ISSUED FOR CONSTRUCTION	09-DEC-22	M.YADAV	P.VAZE	G.PAGANONI	LINE LIST N° 19-L-19-000-2-00-80602
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 5

APPROVED FOR CONSTRUCTION		NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST. 2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-800102. 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021. 4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160. 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "~N/A~" MEANS UNICODE IS "NOT AVAILABLE".		
		PIPE MATERIAL		
		CS		
		HEAT TREATMENT (PWHT)	N	
Signature for construction is shown on Iso list of relevant CWA		PAINTING SCHEME (3)	1	
		PIPING CLASS	IE21	
		WELDING CLASS (4)	E	
ISOMETRIC DRAWING LINE		PED CATEGORY	II	
		INSULATION CODE / THK. (mm)	N 0	
		ANNEX 19	SPEC. L	
		DRAWING NUMBER	19-000-2-02-00001 sheet 2121ET40F04-8	
3"-ET-40F04-1E21		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT		
		CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX		
		REV. 01		