

OWNER / (LEASEHOLDER)						Cadastral Municipality: Wolvega section J nr. 87 51.2.e Koolweg 24 8488 AP Oldeholtwolde		Cadastral Municipality: Wolvega section J nr. 88 51.2.e Koolweg 24 8488 AP Oldeholtwolde		Cadastral Municipality: Wolvega section J nr. 82 Wetherskip Fryslân Harlingerstraatweg 113 8914 AZ Leeuwarden		Cadastral Municipality: Wolvega section J nr. 105 51.2.e Koolweg 23 8488 AP Oldeholtwolde			
TOPOGRAPHIC AND CADASTRAL SITUATION		TOPOGRAPHIC SITUATION SCALE 1:1000													
PROFILE		PROFILE HORIZONTAL SCALE: 1:1000 VERTICAL SCALE: 1:100													
		HORIZONTAL DISTANCE TO MATCHLINE (m)		0.0 12.8 17.5 23.5 25.9 42.9 50.0 52.1 61.0 73.1 79.3 82.6 100 111.3 132.5 134.9 140.5 146.3 150 151.2 168.7 197.0 200 238.7 250 286.1 298.0 300 320.9 350 354.3 361.1 405.7 444.2 450 456.9 464.3 500 500.9 514.2											
		GRADE ELEVATION IN N.A.P. (m)		-0.49 -0.51 -0.54 -0.58 -0.60 -0.75 -0.79 -2.38 -0.44 -0.38 -0.39 -0.39 -0.59 -0.58 -0.75 -0.79 -2.69 -0.86 -0.88 -0.95 -0.89 -0.64 -0.89 -0.88 -0.85 -0.69 -0.66 -0.70 -0.61 -0.64 -0.66 -0.42 -0.37 -1.88											
PIPELINE DATA		BENDS IN DEGREES AND RADIUS		R=50 V=30° R=50 V=30° V=16° V=12° R=400 H=45° R=400 H=45° V=14° V=14° vertical elastic vertical elastic vertical elastic											
		MINIMUM COVER; TOP OF PIPE (m)		1.50 1.00 1.50											
		N.A.P. ELEVATION TOP OF PIPE (m)		-0.84 -0.84 -2.23 -2.23 -3.38 -1.89 -1.89 -2.31 -4.19 -2.45 -2.45 -2.20 -2.20 -1.88											
		EXISTING CABLES AND PIPELINES													
		TECHNICAL DATA		10" (273.0 mm) STEEL L360NB; COATING PE (UITW.) WT 11.0 mm											
[X]		EXISTING CABLES & PIPELINES				REFERENCE DRAWING		DETAIL		NOTES		DESIGN DATA		[X]	
LABEL	PIPELINE NR.	DIAM.	MATERIAL	PRODUCT	OWNER	DRAWING NR.	DESCRIPTION								
-	-	-	-	-	-	-	OVERALL MAP			1. TOPOGRAPHIC SITUATION INCL. HEIGHT FIGURES ARE BASED ON AVAILABLE INFORMATION PER MARCH 2015		GAS		-	
-	-	-	-	-	-	-	LAYOUT MAP "ROTTUM"			7. UNBENT END (TANGENT) AT EACH END OF THE PIPE IS 150m		STEEL L360NB		-	
-	-	-	-	-	-	-	SUPPORT MAP "ROTTUM"			8. EXACT LOCATION OF EXISTING PIPELINES AND CABLES SHOULD BE VERIFIED BY CONSTRUCTION CONTRACTOR		Ø 273.00 mm		-	
-	-	-	-	-	-	-	-			2. ALL DIMENSIONS ARE INDICATIVE, AND SHALL BE VERIFIED BY CONSTRUCTION CONTRACTOR PRIOR TO START OF WORKS		EXTERNAL DIAMETER (Du)		-	
-	-	-	-	-	-	-	-			3. PROFILE GENERATED ON POINTS OF INTERSECTION		11.00 mm		-	
-	-	-	-	-	-	-	-			4. PI = POINT OF INTERSECTION		DESIGN PRESSURE (p)		-	
-	-	-	-	-	-	-	-			5. ELBOWS:		89 bar		-	
-	-	-	-	-	-	-	-			- ELASTIC BEND: RMIN = 10000 273.00 m		ACCORDING TO NEN-3650/3651		-	
-	-	-	-	-	-	-	-			- COLD BENDED: R = 400 10.92 m		-20°C / +50°C		-	
-	-	-	-	-	-	-	-			- HOT BENDED: R = 10 / 50 2.73 m / 1.37 m		PE/PP COATING AND CATHODIC PROTECTION to be determined		-	
-	-	-	-	-	-	-	-			6. MAX. 400 ELBOW RADIUS = 68,0° (PIPELENGTH 16m)		ANTI CORROSION MEASURES		-	
-	-	-	-	-	-	-	-					CORROSION ALLOWANCE		-	
PROJECT NR. 11191-402432		PIPELINE NR. 11191-402432		SHEET 001 OF 001		REV. A0		ENGINEERED BY: ANTEA GROUP		CLIENT: VERMILION OIL & GAS NETHERLANDS B.V.		PROJECT: 10" GAS PIPELINE WELLSITE ROTTUM - JUNCTION ROTTUM ROUTE MAP 01		TITLE: 10" GAS PIPELINE WELLSITE ROTTUM - JUNCTION ROTTUM ROUTE MAP 01	