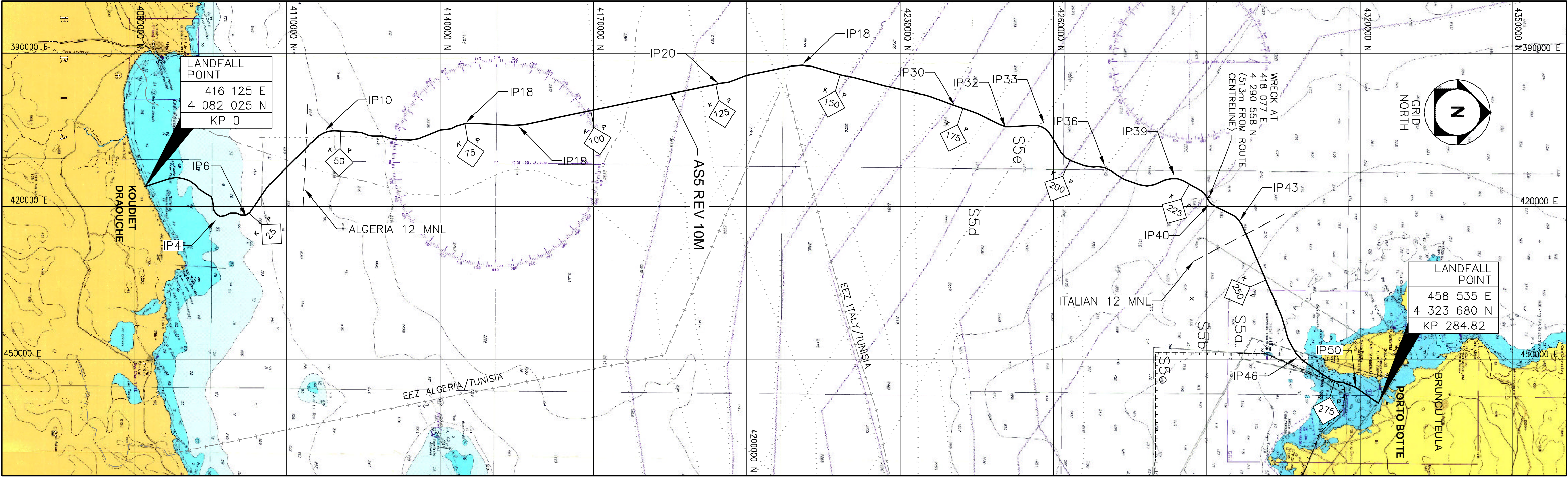
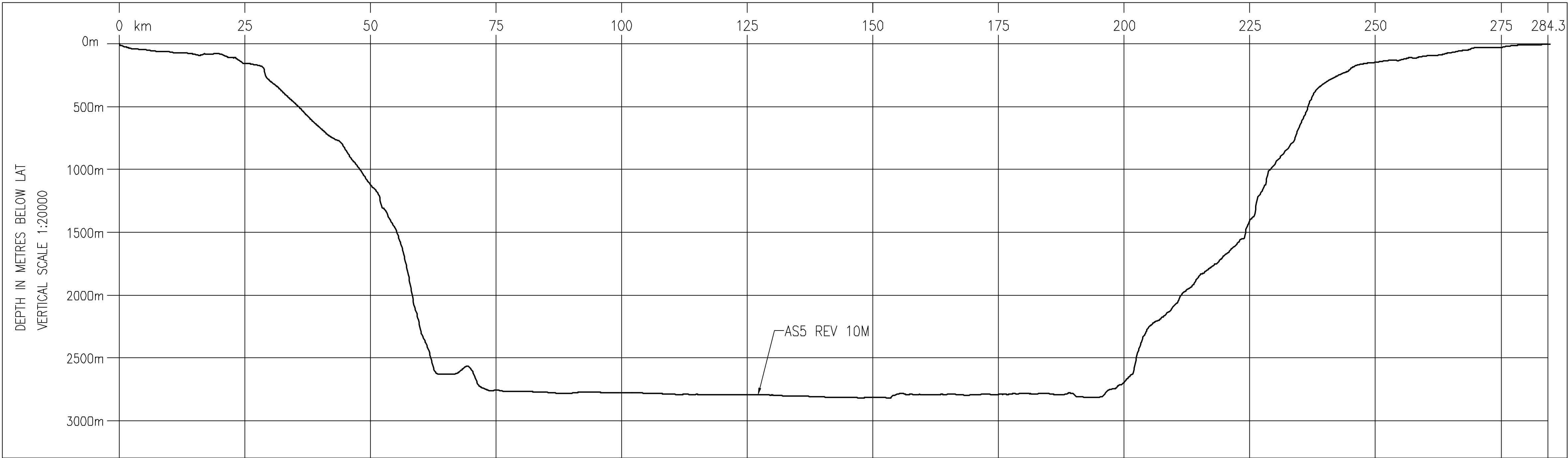


PIPELINE ROUTE PLAN



SEABED ROUTE PROFILE



ROUTE IP CO-ORDINATES AS5 REV 10M			
IP	EASTING	NORTHING	RADIUS
KOUDIET DRAOUCHE	416125	4082025	0
1	413642	4089893	5000
2	417189	4093348	5000
3	418023	4095230	1500
4	422553	4096073	1500
5	421103	4099440	1500
6	422043	4101994	1500
7	420323	4103303	2500
8	415990	4106180	4000
9	407510	4114778	3000
10	405100	4117343	4000
11	405444	4124098	4000
12	406171	4126315	3000
13	406283	4129127	3000
14	406894	4130857	3000
15	406987	4134915	4000
16	405132	4139690	3000
17	404860	4141737	3000
18	403530	4144930	8000
19	404235	4155290	8000
20	395933	4194370	3000
21	395793	4196143	3000
22	394425	4199794	3000

ROUTE IP CO-ORDINATES AS5 REV 10M (CONTINUED)			
IP	EASTING	NORTHING	RADIUS
23	392117	4210905	8000
24	394344	4218963	8000
25	394743	4221023	8000
26	396568	4227466	8000
27	397327	4231259	8000
28	398027	4234492	8000
29	398454	4235897	4000
30	400223	4240495	8000
31	401598	4244666	8000
32	404496	4250604	4000
33	403871	4258230	4000
34	410617	4262226	4000
35	412347	4266973	4000
36	412088	4270126	4000
37	414485	4273202	4000
38	416254	4278304	4000
39	414065	4283683	4000
40	417400	4289683	3000
41	419439	4290620	3000
42	421487	4294847	3000
43	422750	4296525	4000
44	441550	4304630	4000

ROUTE IP CO-ORDINATES AS5 REV 10M (CONTINUED)			
IP	EASTING	NORTHING	RADIUS
45	446311	4306095	4000
46	449431	4307911	4000
47	452560	4312180	4000
48	454117	4314547	4000
49	454622	4317251	6000
50	455451	4319245	4000
PORTO BOTTE	458535	4323680	0

ROUTE CO-ORDINATES AS5 Rev 10M WGS 84		
IP	LATITUDE	LONGITUDE
KOUDIET DRAOUCHE	36°52'49.656"N	8°03'31.731"E
1	36°57'04.160"N	8°01'48.191"E
2	36°58'57.416"N	8°04'10.247"E
3	36°59'58.731"N	8°04'43.231"E
4	37°00'27.458"N	8°07'46.199"E
5	37°02'16.272"N	8°06'46.240"E
6	37°03'39.441"N	8°07'23.363"E
7	37°04'21.410"N	8°06'13.190"E
8	37°05'53.384"N	8°03'16.591"E
9	37°10'29.470"N	7°57'29.266"E

ROUTE CO-ORDINATES AS5 Rev 10M WGS 84 (CONTINUED)		
IP	LATITUDE	LONGITUDE
10	37°11'51.831"N	7°55'50.370"E
11	37°15'31.127"N	7°56'01.250"E
12	37°16'43.308"N	7°56'29.752"E
13	37°18'14.602"N	7°56'33.023"E
14	37°19'10.942"N	7°56'57.054"E
15	37°21'22.623"N	7°56'59.011"E
16	37°23'53.628"N	7°55'41.449"E
17	37°25'03.202"N	7°55'29.410"E
18	37°26'46.290"N	7°54'33.794"E
19	37°32'22.658"N	7°54'57.611"E
20	37°53'27.214"N	7°48'59.252"E
21	37°54'24.700"N	7°48'52.604"E
22	37°56'22.542"N	7°47'54.660"E
23	38°02'22.001"N	7°46'14.144"E
24	38°06'44.357"N	7°47'41.163"E
25	38°07'51.351"N	7°47'56.473"E
26	38°11'21.085"N	7°49'08.045"E
27	38°13'24.448"N	7°49'37.271"E
28	38°15'09.611"N	7°50'04.380"E
29	38°15'55.359"N	7°50'21.200"E

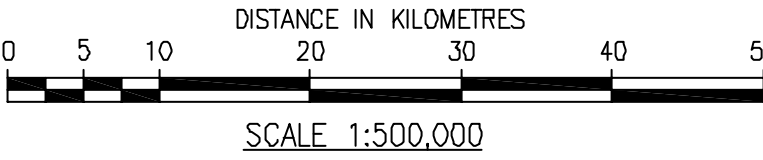
NOTES

1. CO-ORDINATES ARE WGS84 DATUM, UTM ZONE 32 NORTH
2. REPRODUCED FROM ADMIRALTY CHARTS 1992 AND 1999 BY PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE AND THE UK HYDROGRAPHIC OFFICE.
3. DEPTHS ARE GIVEN RELATIVE TO L.A.T.
4. CABLE LOCATIONS FROM ELETTRA TLC. DATABASE OR HYDROGRAPHICAL CHARTS.
5. AS5 REV 10M – FINAL KP – 284.82
6. LANDFALL POINT LOCATED ON BEACH.

ROUTE CO-ORDINATES AS5 Rev 10M WGS 84 (CONTINUED)		
IP_NUMBER	LATITUDE	LONGITUDE
30	38°18'25.233"N	7°51'31.661"E
31	38°20'41.076"N	7°52'26.193"E
32	38°23'54.811"N	7°54'22.668"E
33	38°28'01.943"N	7°53'53.110"E
34	38°30'14.103"N	7°58'29.621"E
35	38°32'48.713"N	7°59'38.914"E
36	38°34'30.887"N	7°59'26.791"E
37	38°36'11.520"N	8°01'04.481"E
38	38°38'57.614"N	8°02'15.372"E
39	38°41'51.354"N	8°00'42.433"E
40	38°45'07.126"N	8°02'57.912"E
41	38°45'38.186"N	8°04'21.974"E
42	38°47'55.986"N	8°05'45.083"E
43	38°48'50.813"N	8°06'36.770"E
44	38°53'18.949"N	8°19'33.788"E
45	38°54'07.571"N	8°22'50.998"E
46	38°55'07.131"N	8°25'00.016"E
47	38°57'26.259"N	8°27'08.901"E
48	38°58'43.332"N	8°28'13.022"E
49	39°00'11.165"N	8°28'33.357"E
50	39°01'15.981"N	8°29'07.373"E
PORTO BOTTE	39°03'40.407"N	8°31'14.634"E



ROUTES AND LANDFALLS

- AS ROUTE – ALGERAI TO SARDINIA  
SI ROUTE – SARDINIA TO ITALIAN MAINLAND
- ALGERIAN LANDFALL – KOUDIET DRAOUCHE  
S. SARDINIAN LANDFALL – PORTO BOTTE  
N. SARDINIAN LANDFALL – SALINE  
ITALIAN MAINLAND LANDFALL – CARBONIFERA (PIOMBINO)



LEGEND

- ROUTE AS5 REV 10M
- APPROXIMATE CABLE LOCATIONS
- EEZ ALGERIA/TUNISIA, EEZ ITALY/TUNISIA
- RESTRICTED AREA
- APPROX. 12 MNL LIMIT OF ALGERIAN TERRITORIAL WATERS
- KILOMETRE POST (KP)

05-2719-300-P-0-3007		LANDFALL APPROACH SARDINIA (SOUTH)				
05-2719-300-P-0-3006		LANDFALL APPROACH ALGERIA				
DRAWING No.		TITLE				
REFERENCE DRAWINGS						
03	16.07.08	ISSUED FOR APPROVAL	RO	SL	SL	AFB
02	27.05.08	RE-ISSUED FOR COMMENT	RO	SL	SL	AFB
01	21.05.08	ISSUED FOR COMMENT	RO	SL	SL	AFB
REV	DATE	DESCRIPTION	BY	CHK	ENG	PM CLIENT
CLIENT			<div><div></div><div></div></div>			
PROJECT						
GAS PIPELINE PROJECT						
ALGERIA TO ITALY VIA SARDINIA						
TITLE						
ALGERIA TO SARDINIA						
FEED OVERALL ROUTE LAYOUT						
DRG. No.			05-2719-300-P-0-3005			REV 03