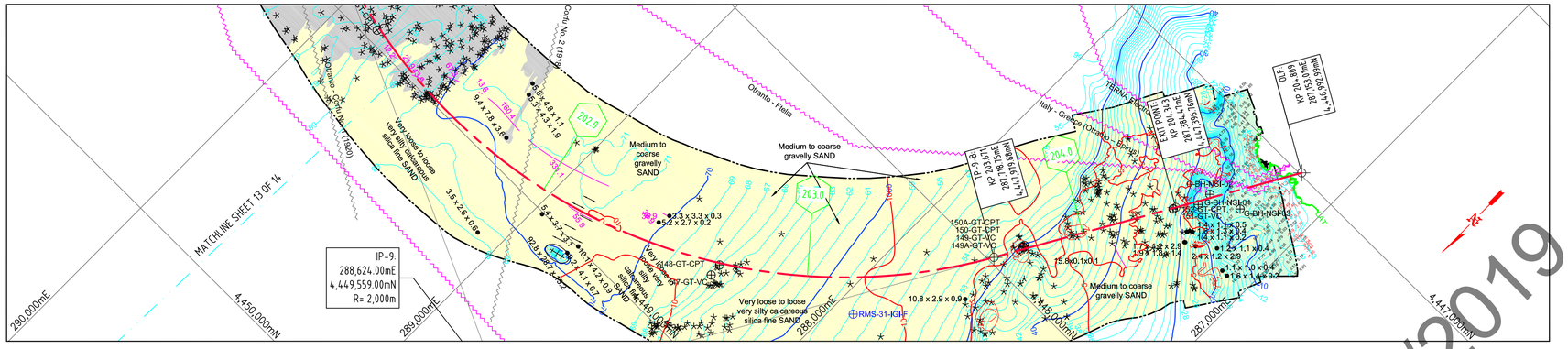
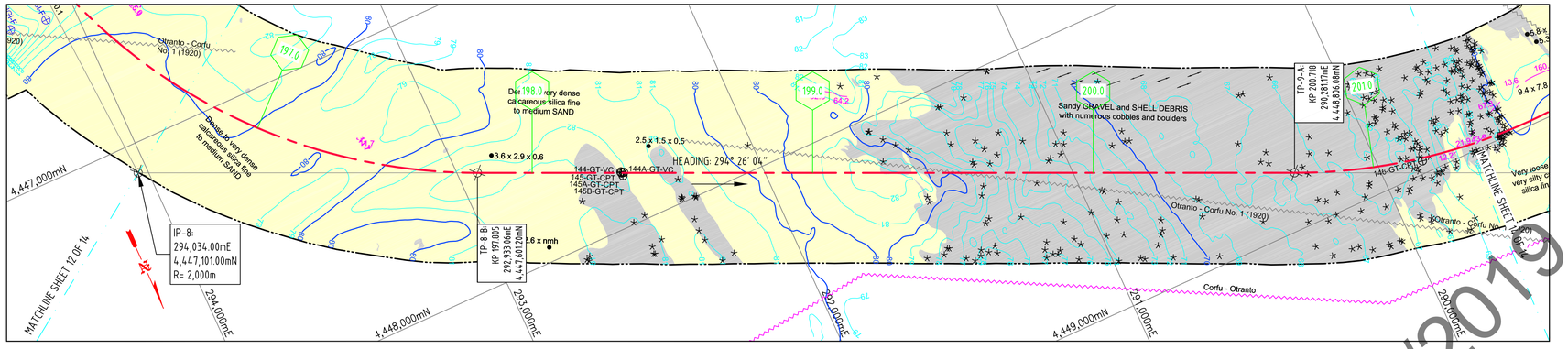
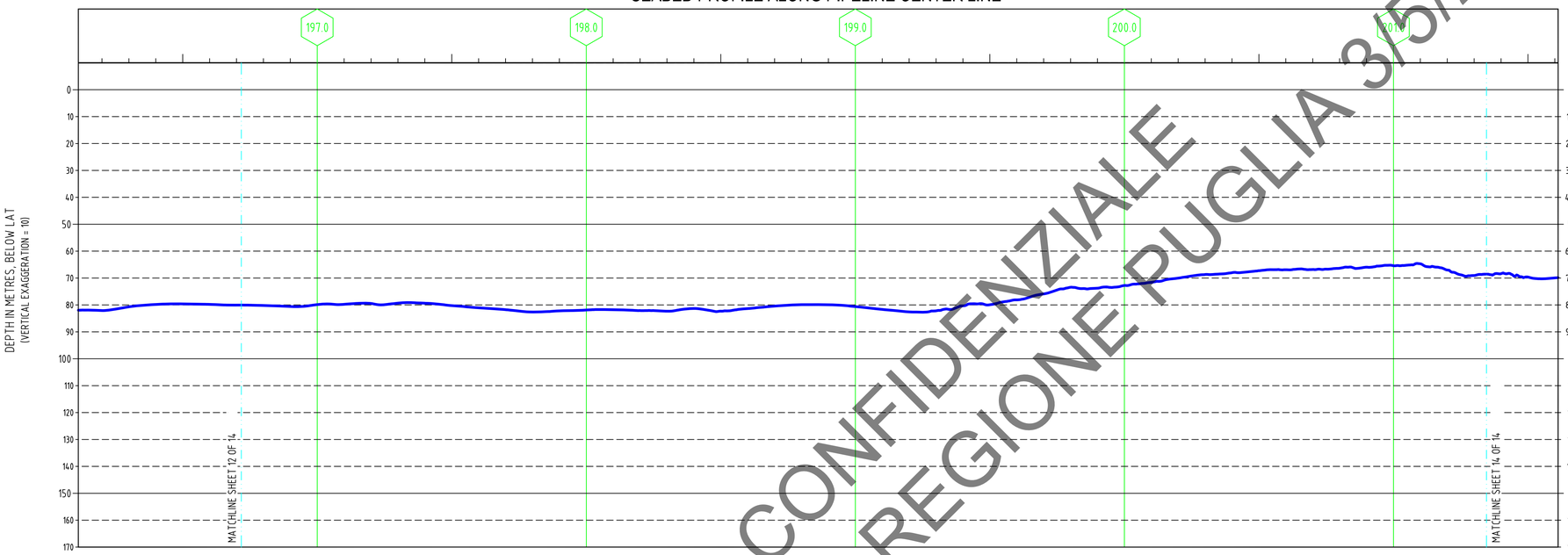
BATHYMETRY , LITHOLOGY AND SEABED FEATURES


Corfu No. 2 (1910)
Corfu No. 1 (1920)
Otranto - Fiella
Italy - Greece (Otranto - Corfu)
TERNA SUBMARINE
MATCHLINE SHEET 13 OF 14
290,000mE
289,000mE
288,000mE
287,000mE
4,450,000mN
4,449,000mN
4,447,000mN
IP-9:
288,624.00mE
4,449,559.00mN
R= 2,000m
Medium to coarse gravelly SAND
Very loose to loose very silty calcareous silica fine SAND
Very loose to loose very silty calcareous silica fine SAND
Medium to coarse gravelly SAND
Very loose to loose very silty calcareous silica fine SAND
Medium to coarse gravelly SAND
RMS-31-IGI-F
202.0
203.0
204.0
T-9-48
T-9-47
T-9-46
T-9-45
T-9-44
T-9-43
T-9-42
T-9-41
T-9-40
T-9-39
T-9-38
T-9-37
T-9-36
T-9-35
T-9-34
T-9-33
T-9-32
T-9-31
T-9-30
T-9-29
T-9-28
T-9-27
T-9-26
T-9-25
T-9-24
T-9-23
T-9-22
T-9-21
T-9-20
T-9-19
T-9-18
T-9-17
T-9-16
T-9-15
T-9-14
T-9-13
T-9-12
T-9-11
T-9-10
T-9-9
T-9-8
T-9-7
T-9-6
T-9-5
T-9-4
T-9-3
T-9-2
T-9-1
KP 201.346
KP 201.449
KP 203.300
KP 203.700
KP 204.400
KP 204.242
KP 204.342
KP 204.809
OLF
T-1
KP 204.809
287.853mE
4,447,344.96mN
KP 204.342
287.784mE
4,447,394.79mN
KP 204.242
287.707mE
4,447,447.17mN
KP 203.700
287.181mE
4,447,814.98mN
KP 203.300
287.104mE
4,447,867.36mN
KP 201.449
286.124mE
4,448,547.17mN
KP 201.346
286.053mE
4,448,596.88mN
Cable Crossing
Cable Crossing
Cable Crossing

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 196.718	KP 199.360	KP 200.866	KP 201.121 / KP 201.124	KP 201.346
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU				
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³				
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³				
CONCRETE WEIGHT COATING	90mm @ 3,040kg/m³				
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	1,135 / 328 / 1.406				
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill				
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-8-32 / 24				
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	N/A				
MAX. ULS SPAN LENGTH (m), NOTE 8	98.1 / 68.9 / 45.0 / 66.3				
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.8 / 43.4 / 37.8 / 31.9				
INTERVENTION WORKS / PIPE BURIAL	On seabed				
LAY TOLERANCE (m)	+/- 10				

MATCHLINE SHEET 12 OF 14 — MATCHLINE SHEET 14 OF 14

RISERVATO A REGIONE PUGLIA 35/2019
CONFIDENZIALE

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design..
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

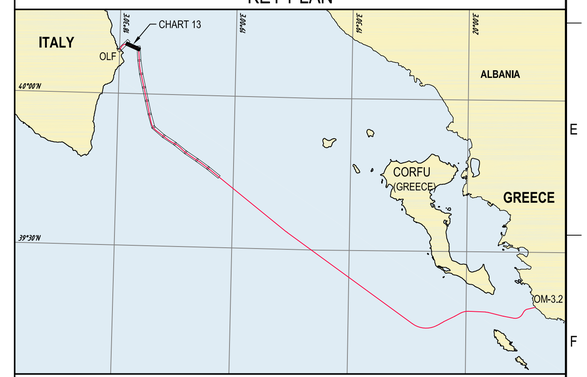
- Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- Major isopachyle contour at a 5 m interval
- Major bathymetric contour at a 10 m interval below LAT
- Minor bathymetric contour at a 1 m interval below LAT
- Spot depth in metres based on topographic survey, below LAT
- Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT Geotechnical sample / test location
- RMS-02-IGI-F Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

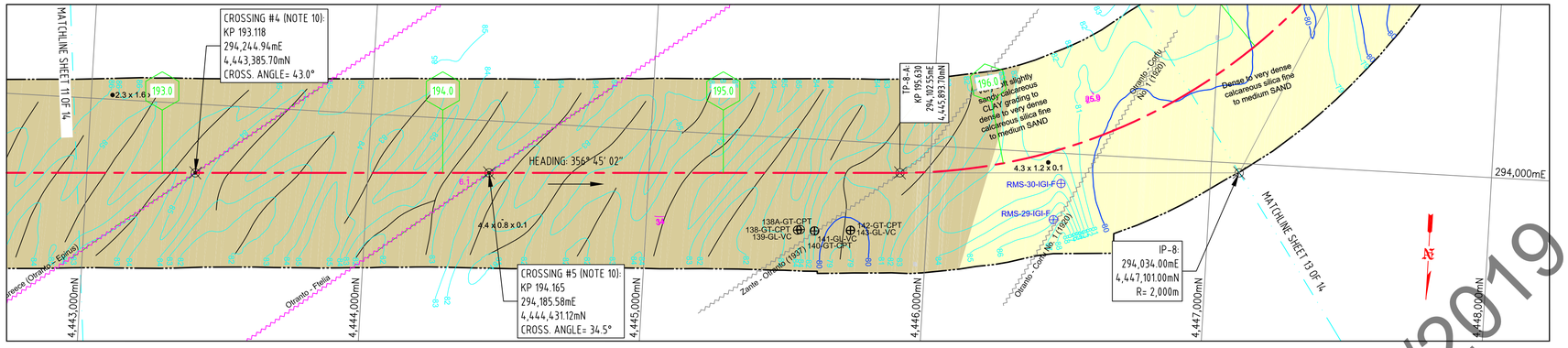
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 196.718 to KP 201.346

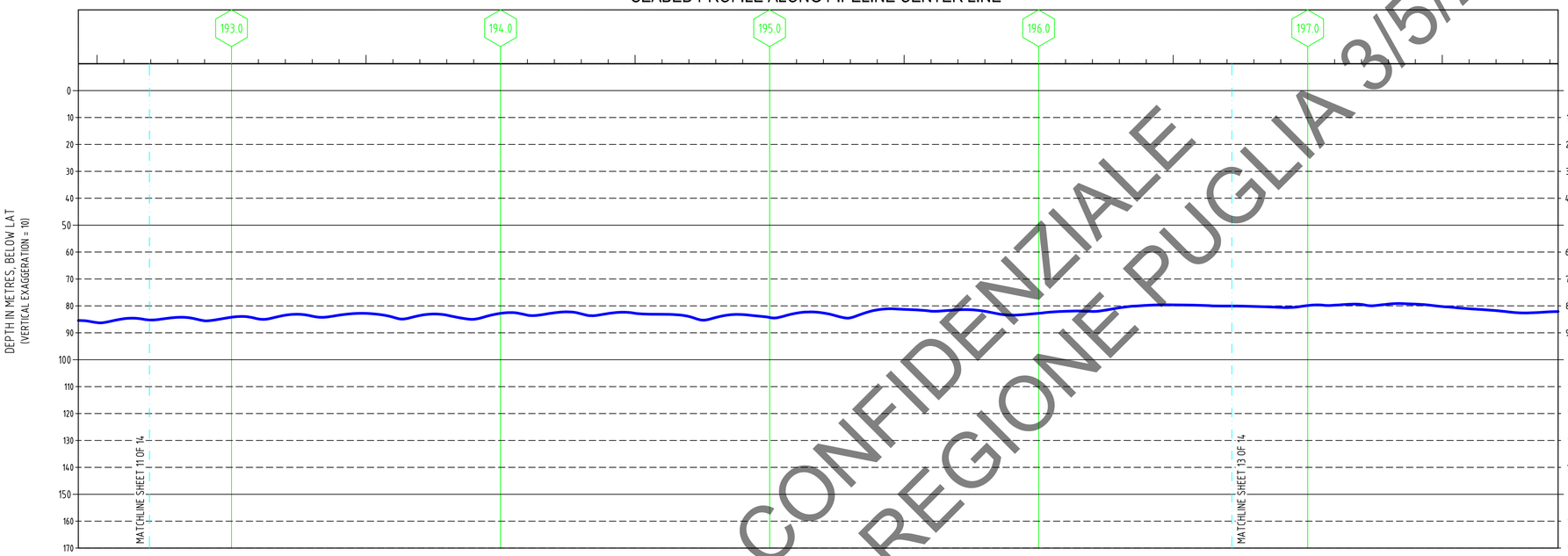
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	13 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 192.695 – KP 193.018	KP 193.018 – KP 193.218	KP 193.218 – KP 194.065	KP 194.065 – KP 194.265	KP 194.265 – KP 196.718
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU				
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³				
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³				
CONCRETE WEIGHT COATING	80mm @ 3,040kg/m³				
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	1,135 / 328 / 1.406				
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill				
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-8-32 / 24				
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	N/A				
MAX. ULS SPAN LENGTH (m), NOTE 8	98.1 / 68.9 / 45.0 / 66.3				
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.8 / 43.4 / 37.8 / 31.9				
INTERVENTION WORKS / PIPE BURIAL	On seabed				
LAY TOLERANCE (m)	+/- 10	+/- 2.5	+/- 10	+/- 2.5	+/- 10

MATCHLINE SHEET 11 OF 14 — MATCHLINE SHEET 13 OF 14

RISERVATO A REGIONE PUGLIA CONFIDENZIALE 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; Submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details
10. KP of cable crossing is based on DMS ROV survey data (Doc. No. J35002-RES9).

LEGEND

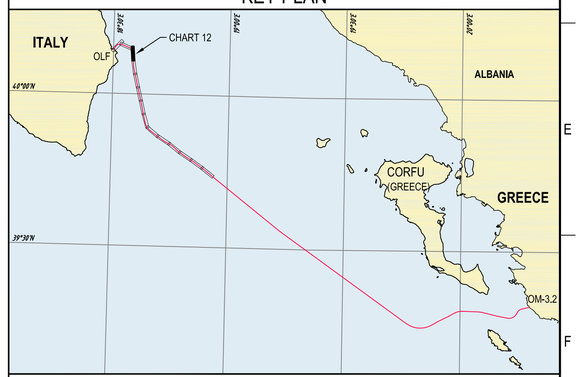
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 — Spot depth in metres based on topographic survey, below LAT
- 1.00 — Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

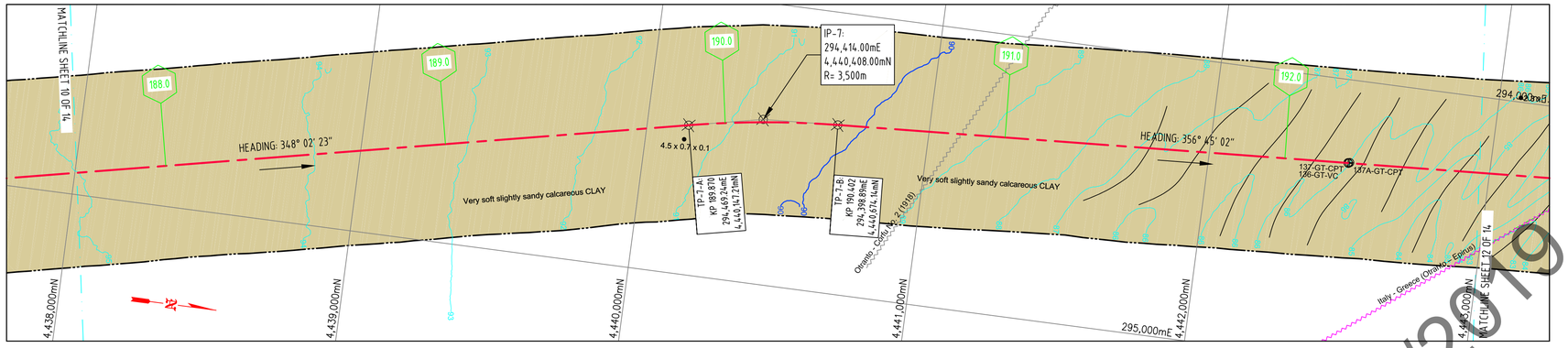
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 192.695 to KP 196.718

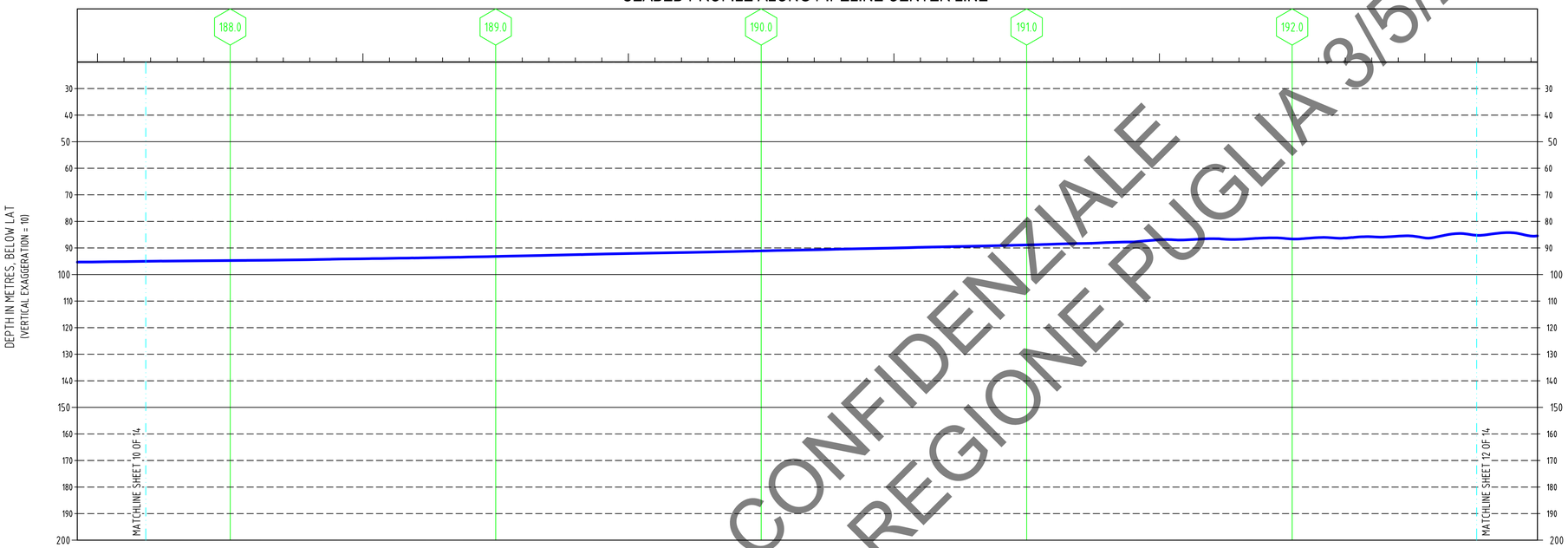
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	12 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 187.682 → KP 192.695
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³
CONCRETE WEIGHT COATING	90mm @ 3,040kg/m³
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	1,135/ 328 / 1.406
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-8-32 / 24
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	N/A
MAX. ULS SPAN LENGTH (m), NOTE 8	98.1 / 68.9 / 45.0 / 66.3
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.8 / 43.4 / 37.8 / 31.9
INTERVENTION WORKS / PIPE BURIAL	On seabed
LAY TOLERANCE (m)	+/- 10

RISERVATO A REGIONE PUGLIA 3/5/2019
CONFIDENZIALE

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipelline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

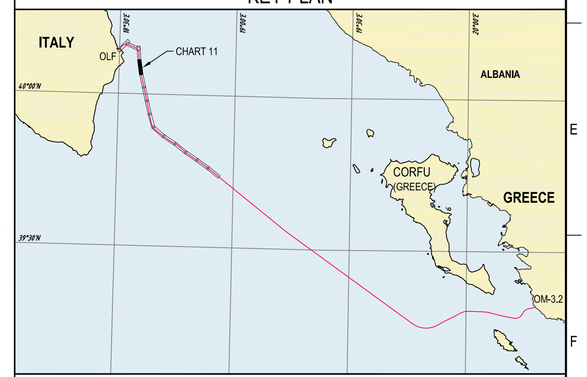
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 / 1.00 — Spot depth in metres based on topographic survey, below LAT / Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

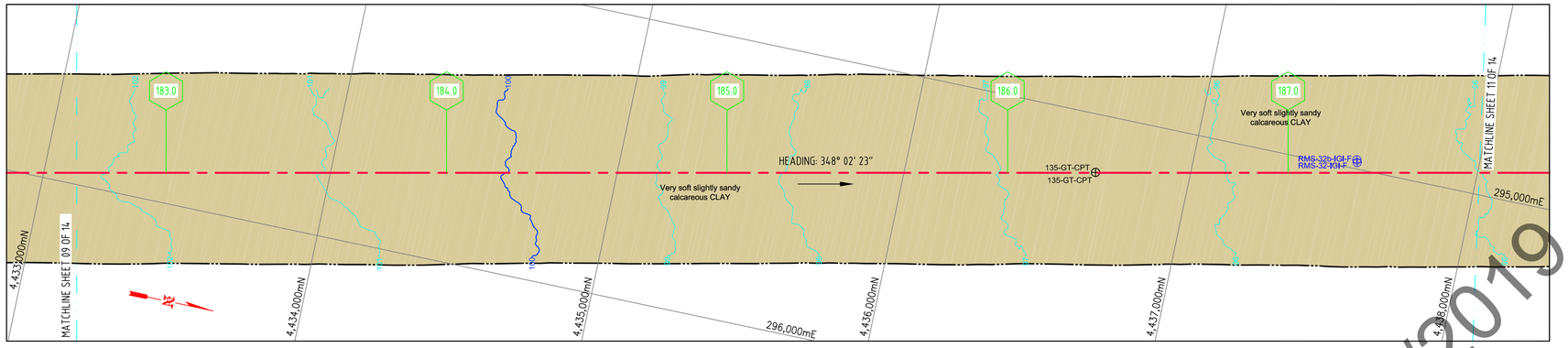
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 187.682 to KP 192.695

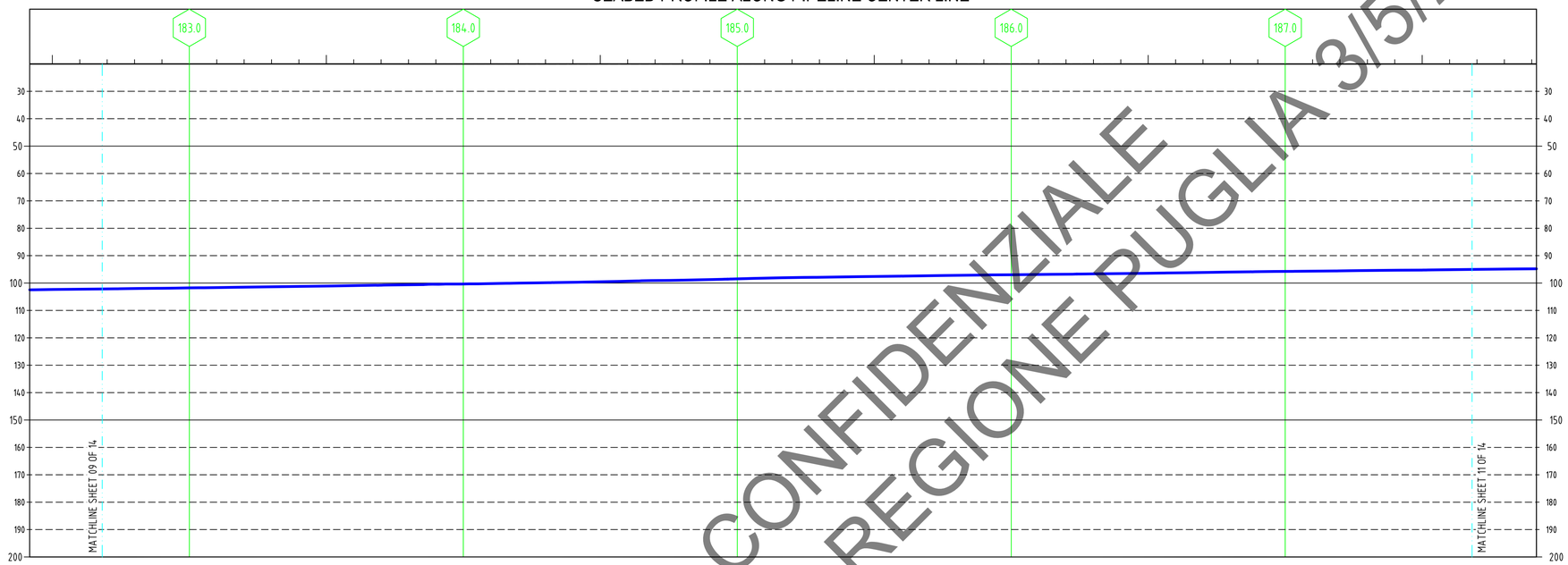
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	11 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 182.682	KP 185.200	KP 187.682
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU		
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³		
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³		
CONCRETE WEIGHT COATING	70mm @ 3,040kg/m³	90mm @ 3,040kg/m³	
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	959 / 215 / 1.289	1,135 / 328 / 1.406	
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill		
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-7-32 / 24	Type S-8-32 / 24	
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	N/A		
MAX. ULS SPAN LENGTH (m), NOTE 8	127.1 / 75.5 / 74.4 / 74.6	98.1 / 68.9 / 45.0 / 66.3	
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.6 / 44.9 / 38.4 / 31.6	42.8 / 43.4 / 37.8 / 31.9	
INTERVENTION WORKS / PIPE BURIAL	On seabed		
LAY TOLERANCE (m)	+/- 10		

RISERVATO A REGIONE PUGLIA 3/5/2019
CONFIDENZIALE

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

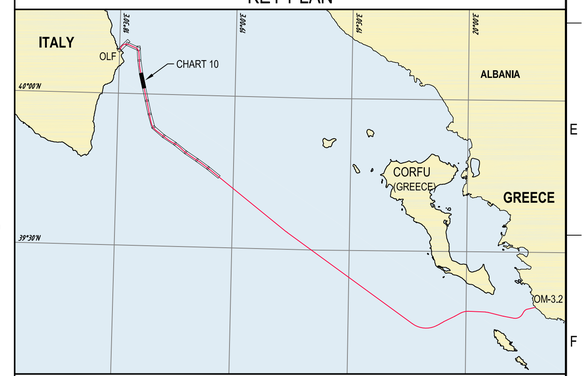
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 — Spot depth in metres based on topographic survey, below LAT
- 1.00 — Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

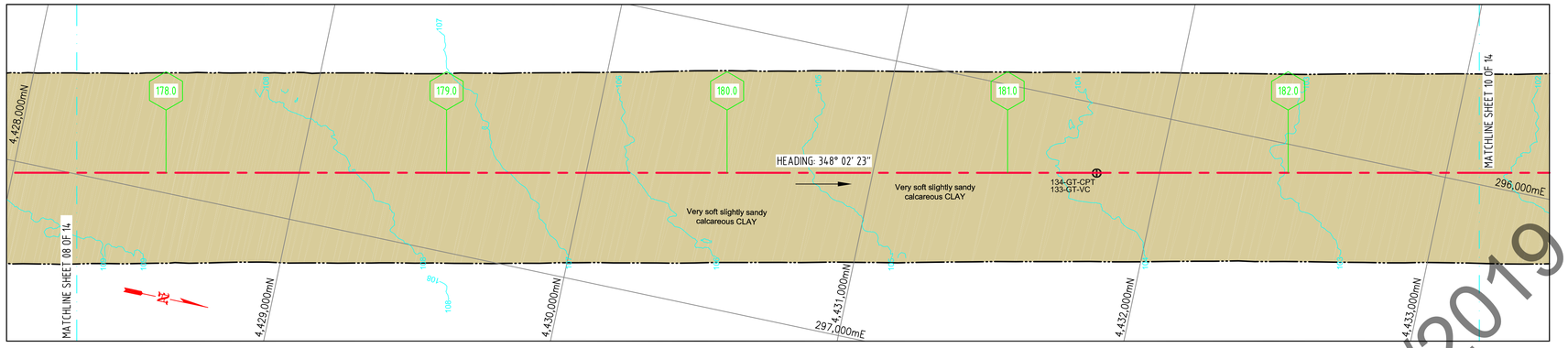
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 182.682 to KP 187.682

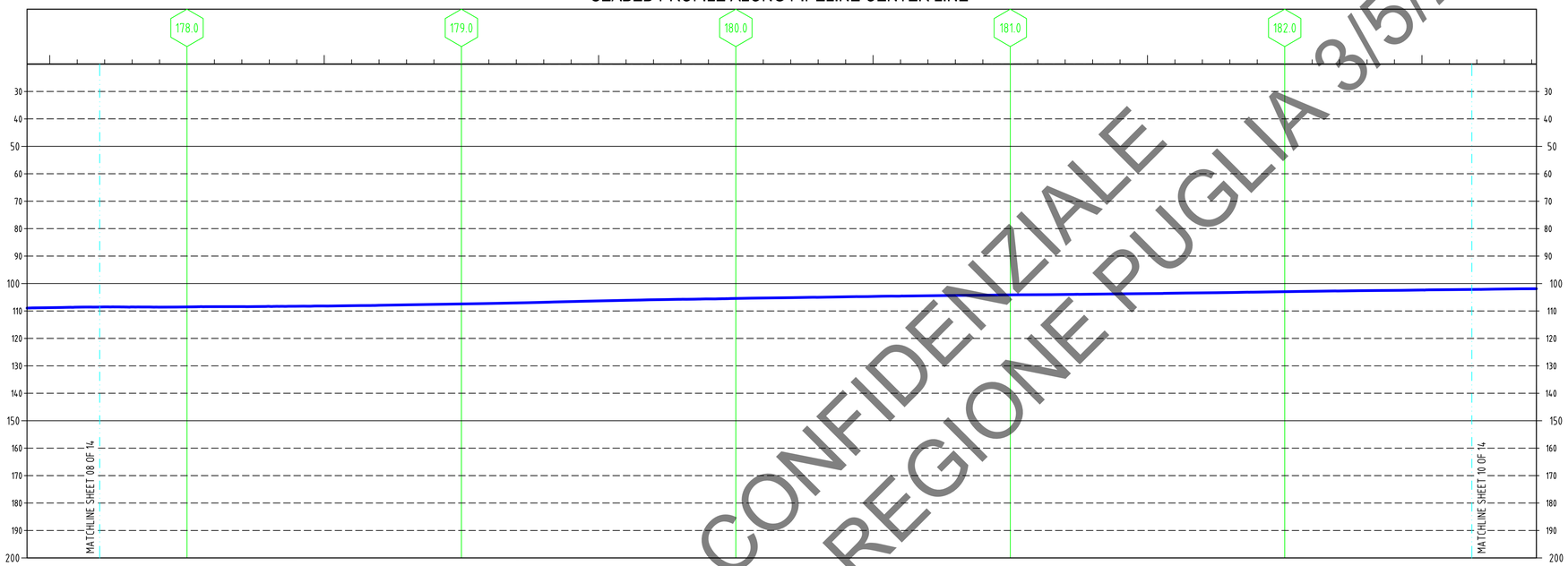
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	10 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 177.681	KP 180.000	KP 182.682
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU		
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³		
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³		
CONCRETE WEIGHT COATING	70mm @ 3,040kg/m³		
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	959 / 215 / 1.289		
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill		
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-7-32 / 24		
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	30.7 / 12,200 / 33		N/A
MAX. ULS SPAN LENGTH (m), NOTE 8	127.1 / 75.5 / 74.4 / 74.6		
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.6 / 44.9 / 38.4 / 31.6		
INTERVENTION WORKS / PIPE BURIAL	On seabed		
LAY TOLERANCE (m)	+/- 10		

RISERVATO A REGIONE PUGLIA 3/5/2019
CONFIDENZIALE

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

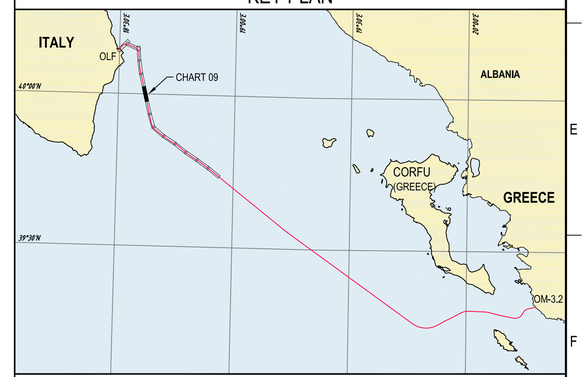
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 / 1.00 — Spot depth in metres based on topographic survey, below LAT / Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

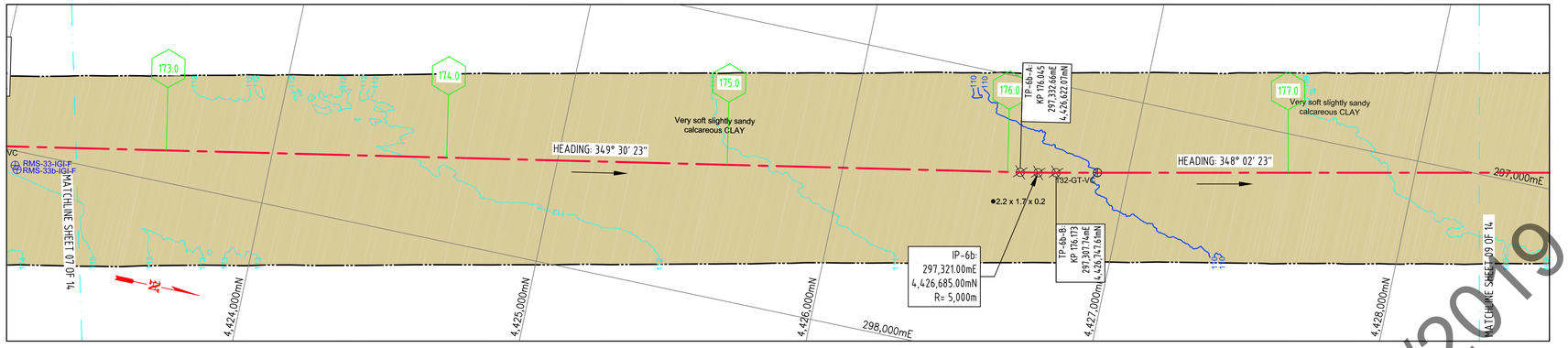
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 177.682 to KP 182.682

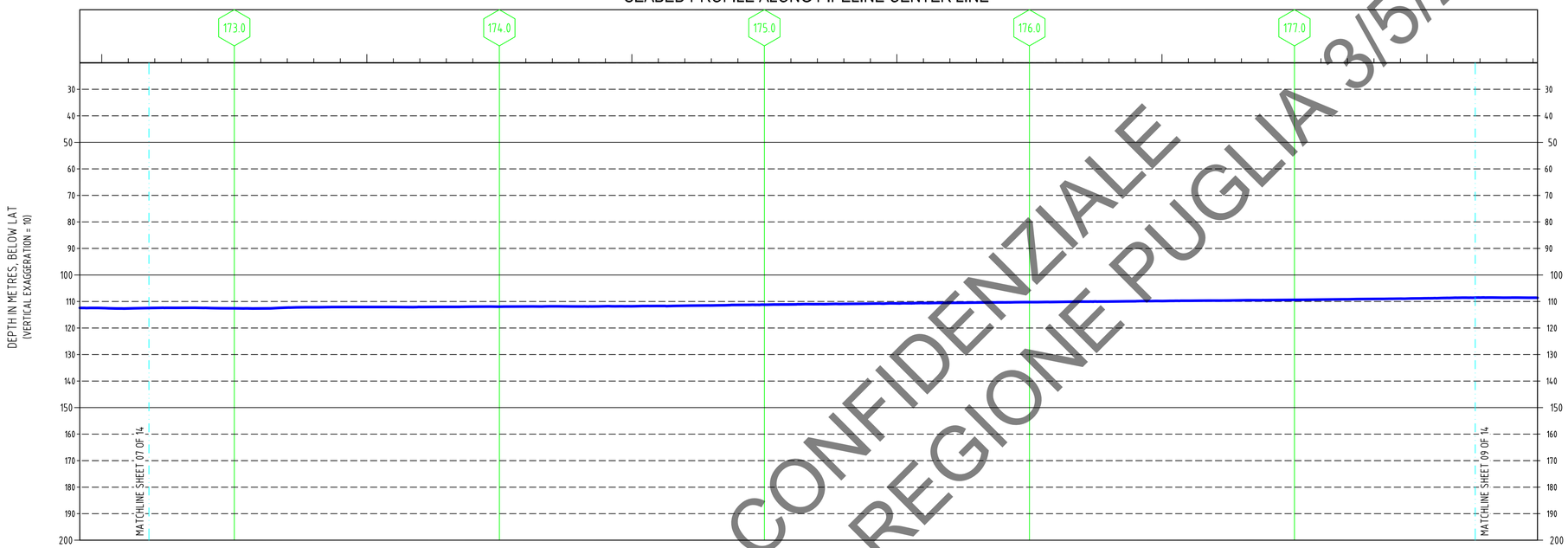
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	09 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 172.678 → KP 175.200	KP 175.200 → KP 177.682
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU	
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³	
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³	
CONCRETE WEIGHT COATING	70mm @ 3,040kg/m³	
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	959 / 215 / 1.289	
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill	
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-7-32 / 24	
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	30.7 / 12,200 / 33	
MAX. ULS SPAN LENGTH (m), NOTE 8	127.1 / 75.5 / 74.4 / 74.6	
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.6 / 44.9 / 38.4 / 31.6	
INTERVENTION WORKS / PIPE BURIAL	On seabed	
LAY TOLERANCE (m)	+/- 10	

RISERVATO A REGIONE PUGLIA CONFIDENZIALE 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

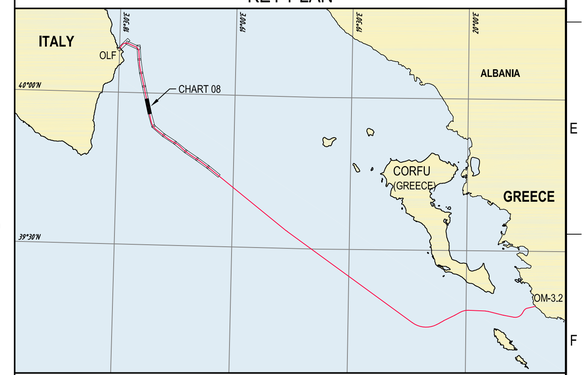
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 — Spot depth in metres based on topographic survey, below LAT
- 1.00 — Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

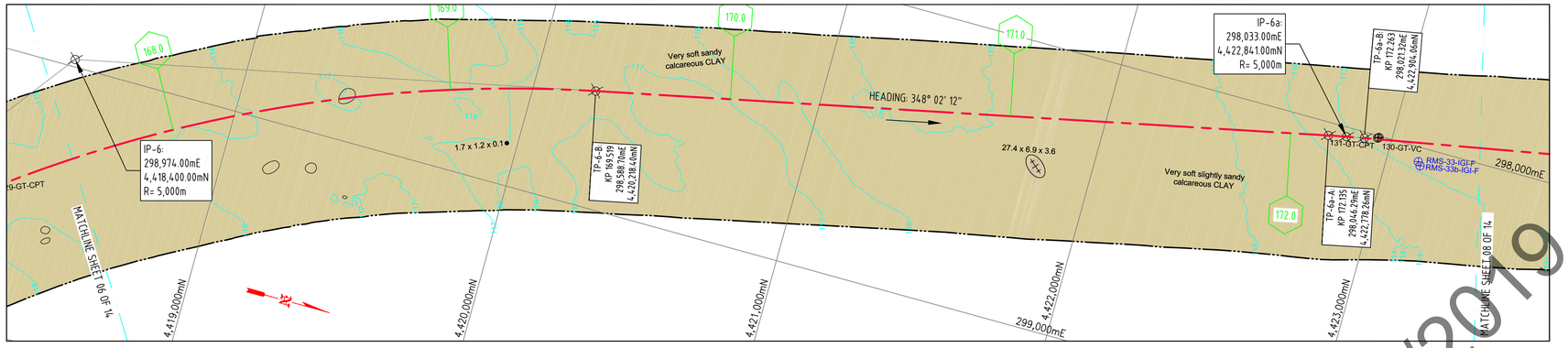
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 172.678 to KP 177.682

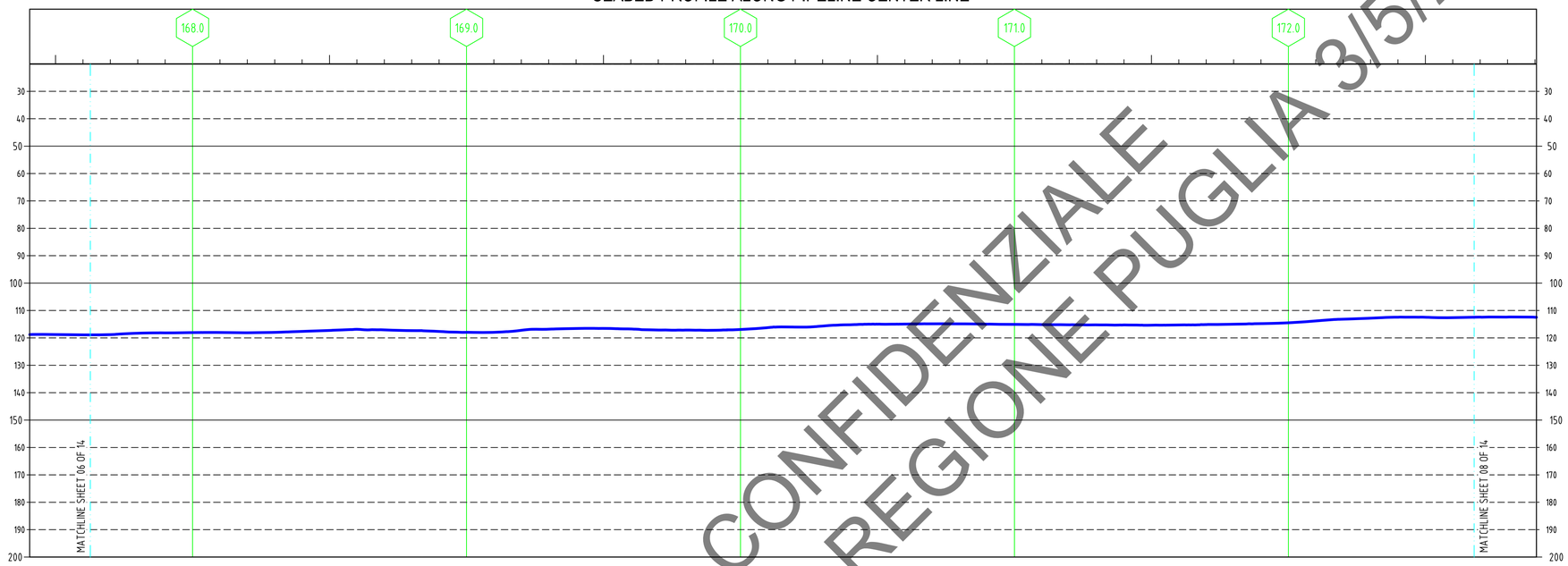
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	08 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 167.627 → KP 172.678
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³
CONCRETE WEIGHT COATING	70mm @ 3,040kg/m³
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	1,078 / 217 / 1.253
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-7-32 / 24
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	30.7 / 12,200 / 33
MAX. ULS SPAN LENGTH (m), NOTE 8	127.1 / 75.5 / 74.4 / 74.6
MAX. DYNAMIC SPAN LENGTH (m), NOTE 8	42.6 / 44.9 / 38.4 / 31.6
INTERVENTION WORKS / PIPE BURIAL	On seabed
LAY TOLERANCE (m)	+/- 10

RISERVATO A REGIONE PUGLIA CONFIDENZIALE 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

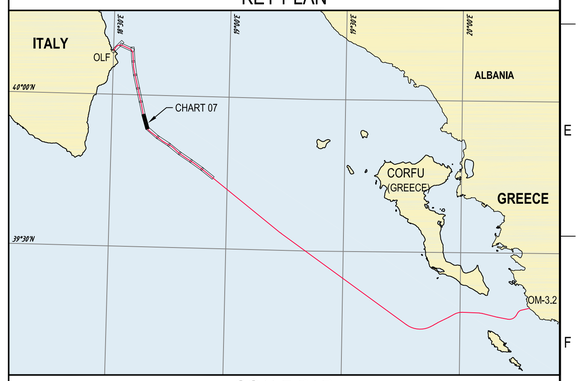
- Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- Major isopachyte contour at a 5 m interval
- Major bathymetric contour at a 10 m interval below LAT
- Minor bathymetric contour at a 1 m interval below LAT
- Spot depth in metres based on topographic survey, below LAT
- Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT Geotechnical sample / test location
- RMS-02-IGI-F Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA Worley/Parsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

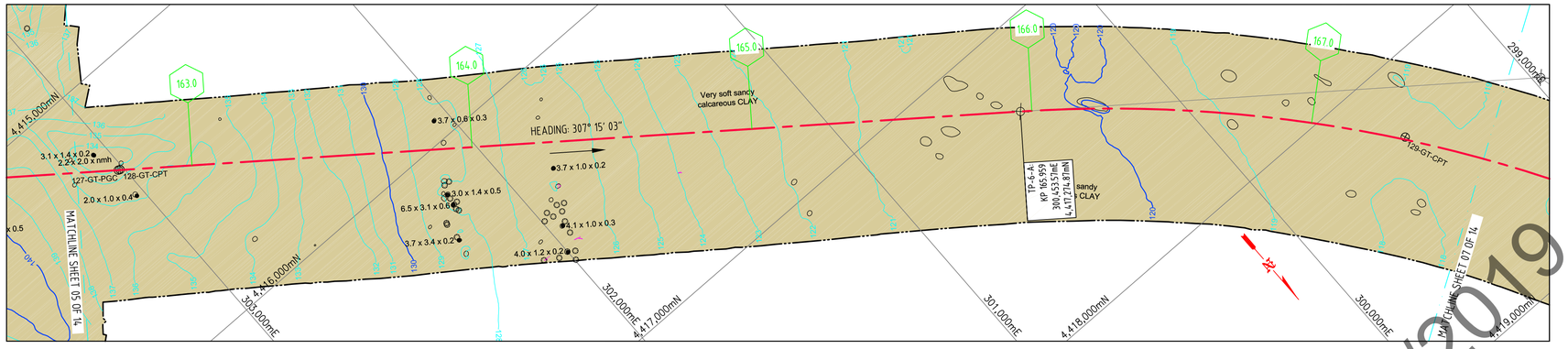
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 167.627 to KP 172.678

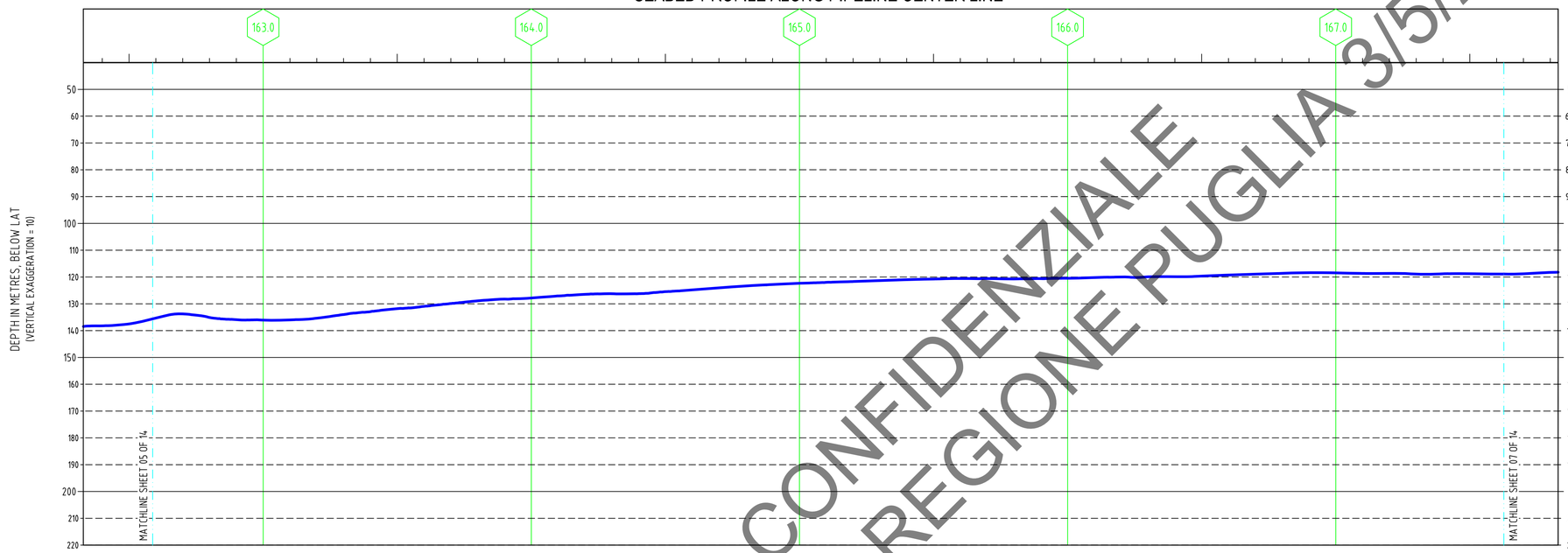
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	07 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 162.588 – KP 162.800	KP 162.800 – KP 167.627
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU	
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³	
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³	
CONCRETE WEIGHT COATING	50mm @ 3,040kg/m³	70mm @ 3,040kg/m³
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	789 / 107 / 1.156	959 / 215 / 1.289
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve + solid PU infill	
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type S-6-32 / 24	Type S-7-32 / 24
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	30.7 / 12,200 / 33	
MAX. ULS SPAN LENGTH (m), NOTE 8	127.1 / 77.5 / 74.4 / 74.6	
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	42.6 / 44.9 / 38.4 / 31.6	
INTERVENTION WORKS / PIPE BURIAL	On seabed	
LAY TOLERANCE (m)	+/- 10	

MATCHLINE SHEET 05 OF 14 — MATCHLINE SHEET 07 OF 14

165.6 / 77.5 / 45.9 / 83.6

42.0 / 44.6 / 38.5 / 31.1

RISERVATO A REGIONE PUGLIA 3/5/2019
CONFIDENZIALE

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 / 1.00 — Spot depth in metres based on topographic survey, below LAT / Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN

SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

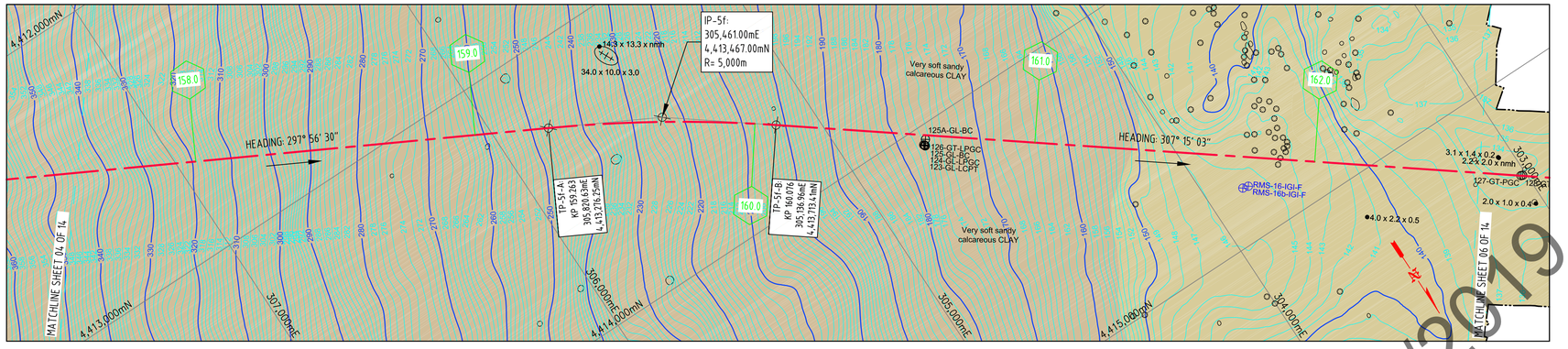
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 162.588 to KP 167.627

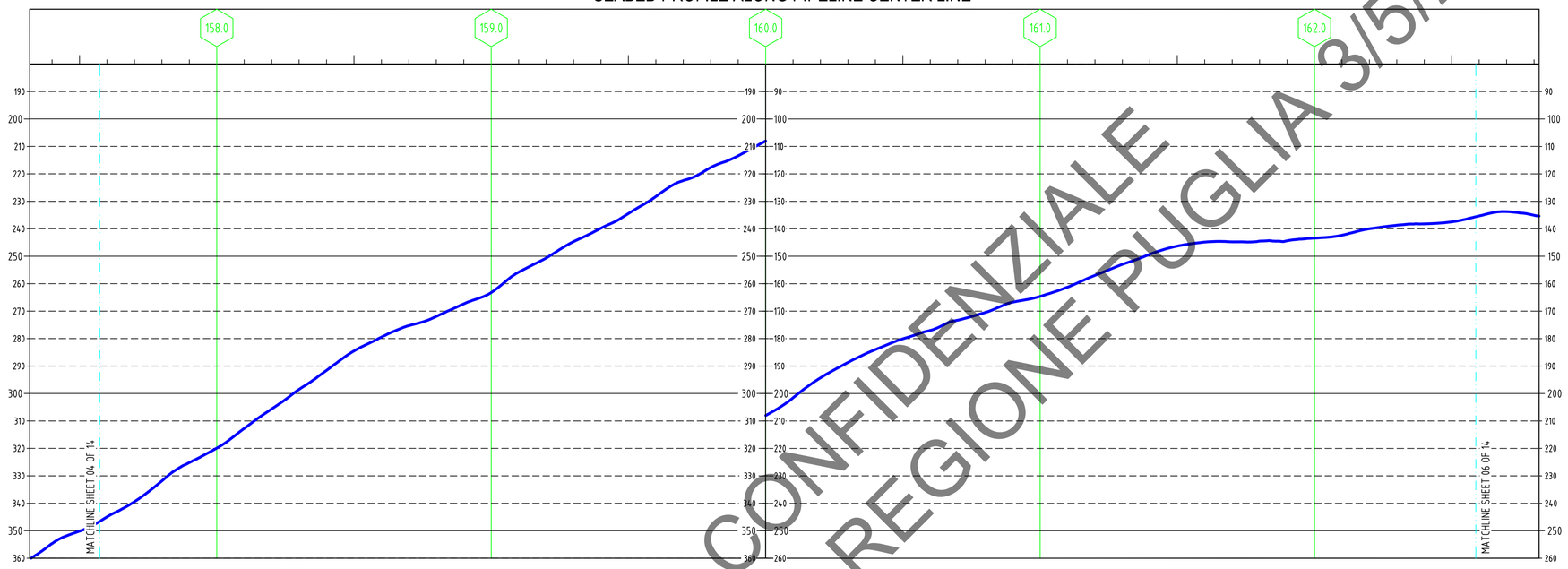
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	06 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 157.574 – KP 158.000	KP 158.000 – KP 160.200	KP 160.200 – KP 162.588
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE (NOTE 10)	812.8 / 751.4 / 30.7 / DNV SAWL 485 FDU		812.8 / 772.8 / 20.0 / DNV SAWL 485 FDU
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³		
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³		
CONCRETE WEIGHT COATING	N/A		50mm @ 3,040kg/m³
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	600 / 57 / 1.105		789 / 107 / 1.156
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve		Injection moulded PP or PP heat shrink sleeve + solid PU infill
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type T-3-32 / 24		Type S-6-32 / 24
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	48.6 / 4,000 / 133	N/A	30.7 / 12,200 / 33
MAX. ULS SPAN LENGTH (m), NOTE 8	296.4 / 72.1 / 51.5 / 101.2		165.6 / 77.5 / 45.9 / 83.6
MAX. DYNAMIC SPAN LENGTH (m), NOTE 8	72.6 / 67.1 / 55.1 / 53.4		42.0/ 44.6 / 38.5 / 31.1
INTERVENTION WORKS / PIPE BURIAL	On seabed		
LAY TOLERANCE (m)	+/- 10		

MATCHLINE SHEET 04 OF 14 — MATCHLINE SHEET 06 OF 14

CONFIDENZIALE
RISERVATO A REGIONE PUGLIA 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.
10. Tapered end at wall thickness transition to be designed in accordance to ASME B31.8 Figure I-5e or I-5f.

LEGEND

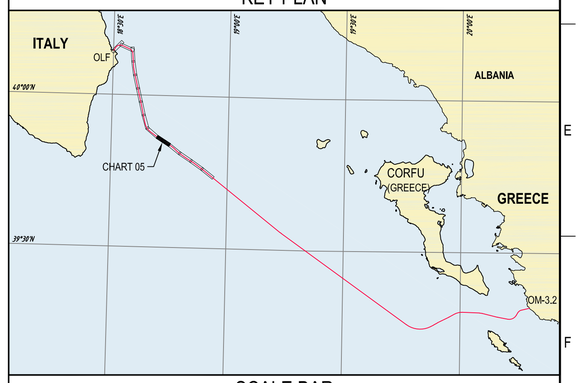
- Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- Major isopachyte contour at a 5 m interval
- Major bathymetric contour at a 10 m interval below LAT
- Minor bathymetric contour at a 1 m interval below LAT
- Spot depth in metres based on topographic survey, below LAT
- Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT Geotechnical sample / test location
- RMS-02-IGI-F Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

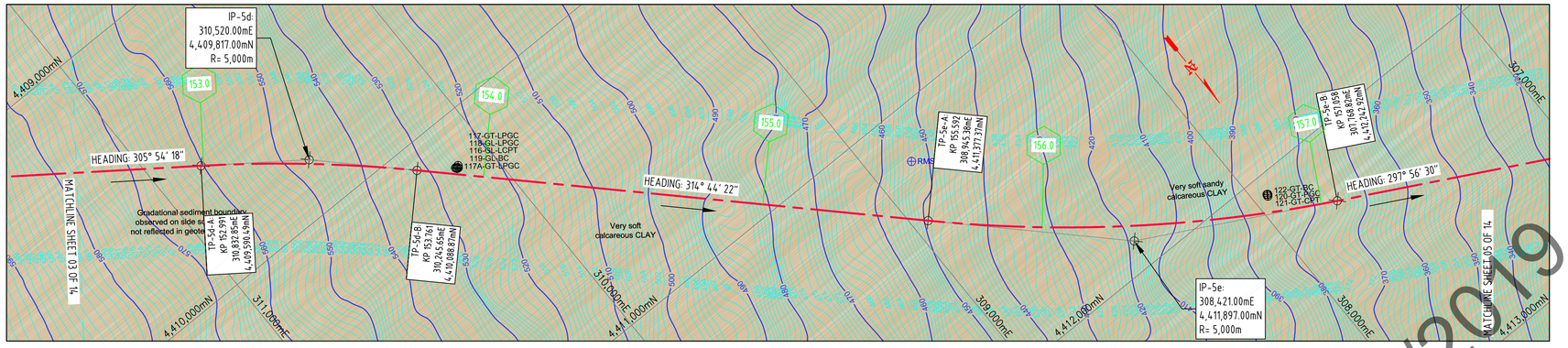
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 157.574 to KP 162.588

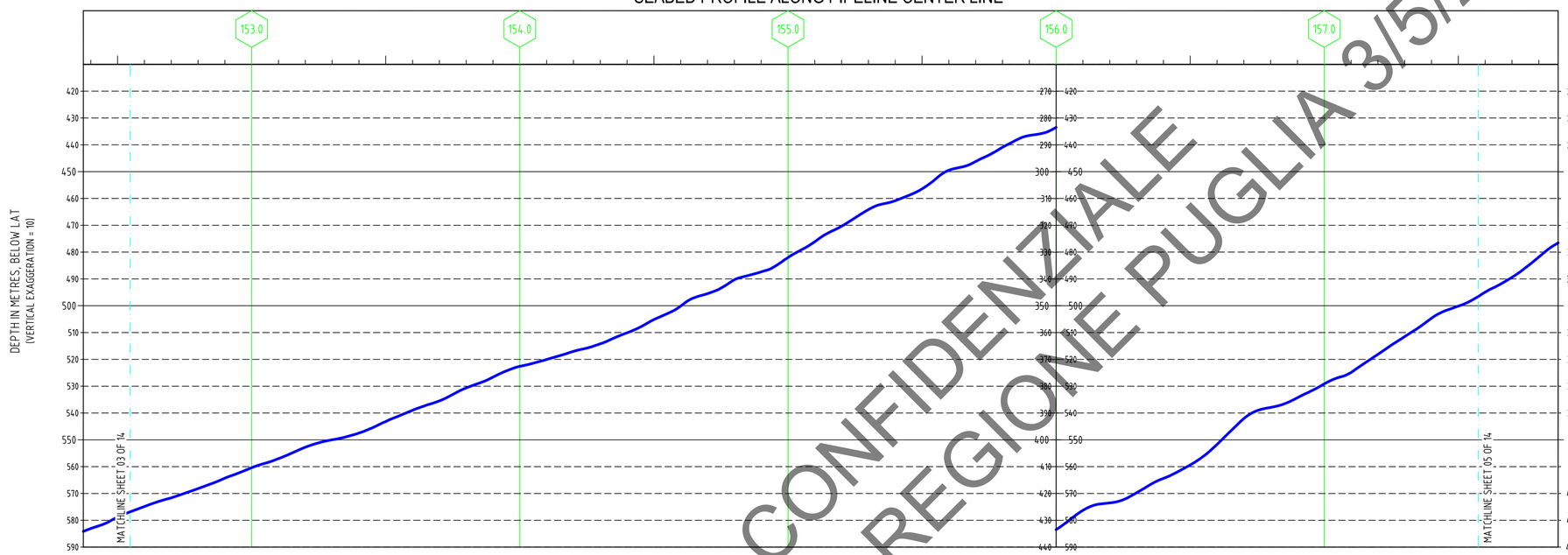
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	05 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 152.547 – KP 154.571	KP 154.571 – KP 157.574
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 751.4 / 30.7 / DNV SAWL 485 FDU	
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³	
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³	
CONCRETE WEIGHT COATING	N/A	
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	600 / 57 / 1.105	
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve	
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type T-3-32 / 24	
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	48.6 / 4,000 / 133	
MAX. ULS SPAN LENGTH (m), NOTE 8	296.4 / 72.1 / 51.5 / 101.2	
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	72.6 / 67.1 / 55.1 / 53.4	
INTERVENTION WORKS / PIPE BURIAL	On seabed	
LAY TOLERANCE (m)	+/- 10	

MATCHLINE SHEET 03 OF 14 — MATCHLINE SHEET 05 OF 14

CONFIDENZIALE
RISERVATO A REGIONE PUGLIA 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

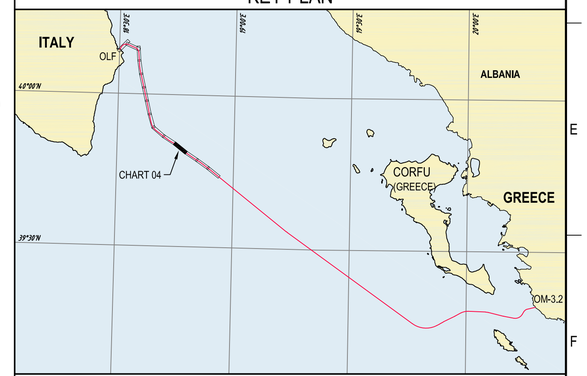
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyle contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 — Spot depth in metres based on topographic survey, below LAT
- 1.00 — Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

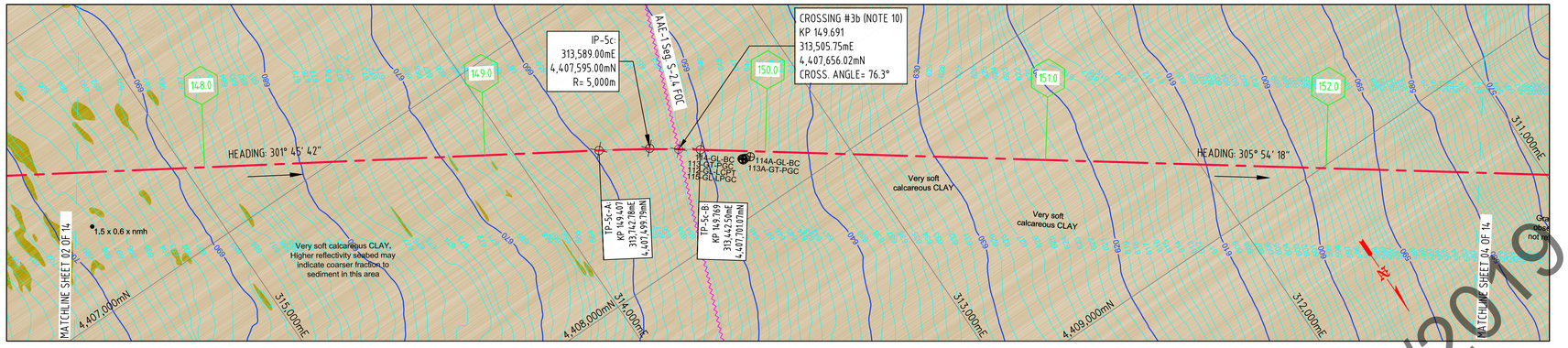
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 152.547 to KP 157.574

DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	04 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE

PIPELINE ENGINEERING DATA

	KP 147.544 – KP 147.776	KP 147.776 – KP 148.178	KP 148.178 – KP 149.591	KP 149.591 – KP 149.791	KP 149.791 – KP 152.547
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 751.4 / 30.7 / DNV SAWL 485 FDU				
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³				
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³				
CONCRETE WEIGHT COATING	N/A				
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	600 / 57 / 1.105				
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve				
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type T-3-32 / 24				
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	48.6 / 4,000 / 133				
MAX. ULS SPAN LENGTH (m), NOTE 8	296.4 / 72.1 / 51.5 / 101.2				
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	72.6 / 67.1 / 55.1 / 53.4				
INTERVENTION WORKS / PIPE BURIAL	On seabed				
LAY TOLERANCE (m)	+/- 10		+/- 2.5		+/- 10

MATCHLINE SHEET 02 OF 14 — MATCHLINE SHEET 04 OF 14

RISERVATO A REGIONE PUGLIA CONFIDENZIALE 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.
10. Location of cable extracted from cable database owned by Global Marine Group.

LEGEND

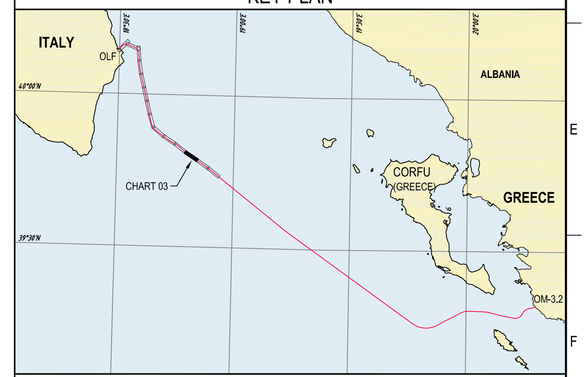
- 10 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyte contour at a 5 m interval
- 600 — Major bathymetric contour at a 10 m interval below LAT
- 601 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 — Spot depth in metres based on topographic survey, below LAT
- 1.00 — Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

TITLE:

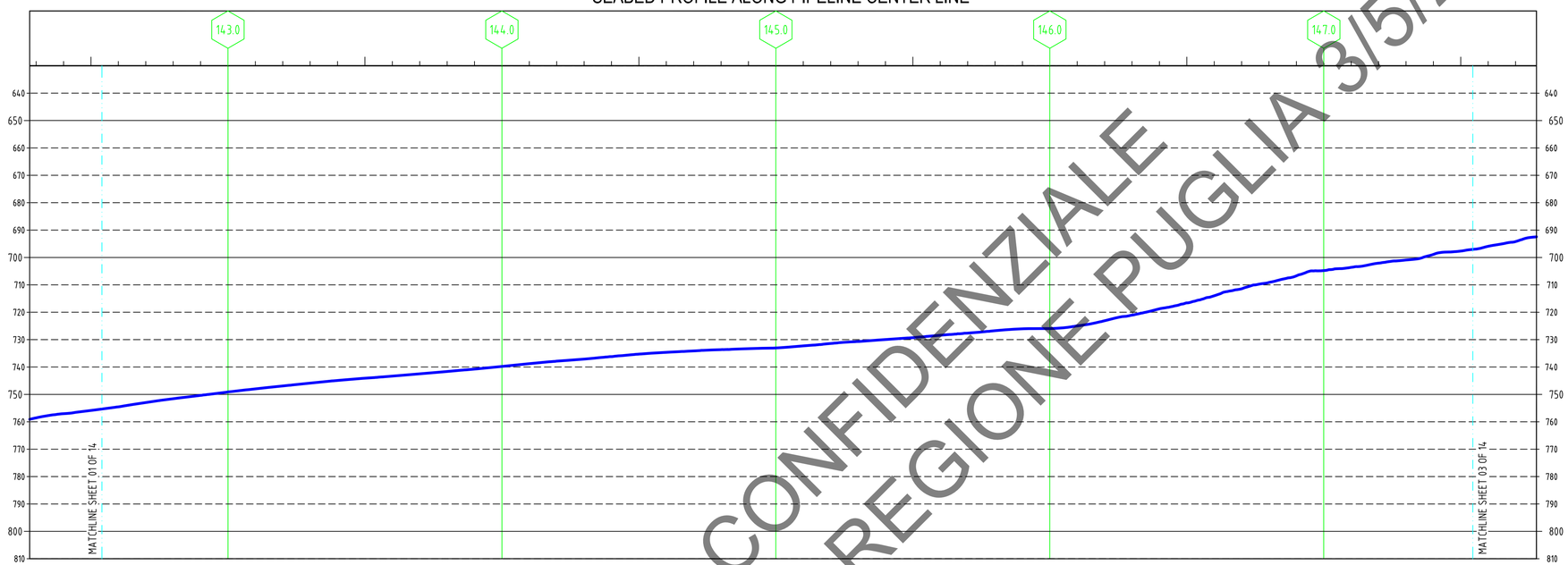
PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 147.544 to KP 152.547

DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	03 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES

SEABED PROFILE ALONG PIPELINE CENTER LINE



RISERVATO A REGIONE PUGLIA
CONFIDENZIALE
3/5/2019

PIPELINE ENGINEERING DATA

	KP 142.540 → KP 146.987 → KP 147.544
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 751.4 / 30.7 / DNV SAWL 485 FDU
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³
CONCRETE WEIGHT COATING	N/A
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	600 / 57 / 1.105
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type T-3-32 / 24
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	48.6 / 4,000 / 133
MAX. ULS SPAN LENGTH (m), NOTE 8	269.4 / 72.1 / 51.5 / 101.2
MAX. DYNAMIC SPAN LENGTH (m) NOTE 8	72.6 / 67.1 / 55.1 / 53.4
INTERVENTION WORKS / PIPE BURIAL	On seabed
LAY TOLERANCE (m)	+/- 10

MATCHLINE SHEET 01 OF 14 — MATCHLINE SHEET 03 OF 14

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Installation / Flooded / Hydrotest / Operation. Allowable span lengths are indicative. Final allowable span lengths to be determined with Detail Design.
9. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.

LEGEND

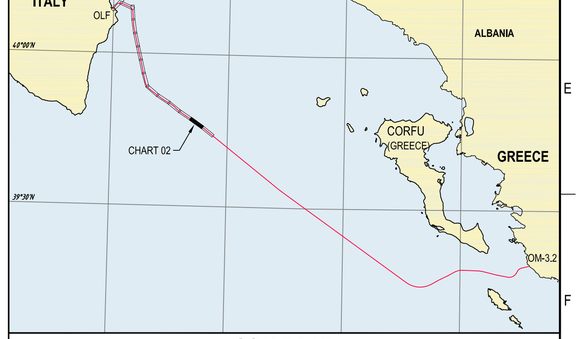
- Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- Major isopachyte contour at a 5 m interval
- Major bathymetric contour at a 10 m interval below LAT
- Minor bathymetric contour at a 1 m interval below LAT
- Spot depth in metres based on topographic survey, below LAT
- Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

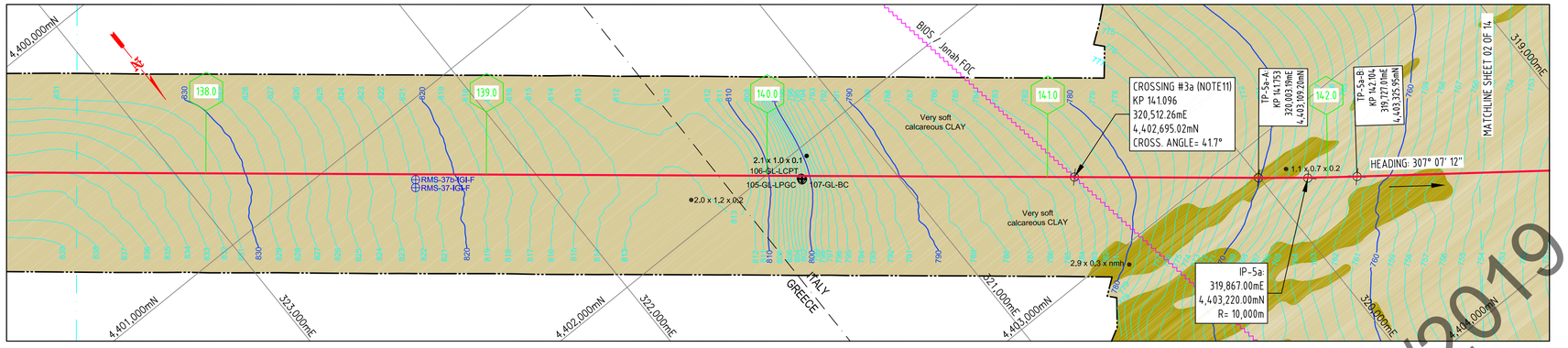
TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 142.540 to KP 147.544

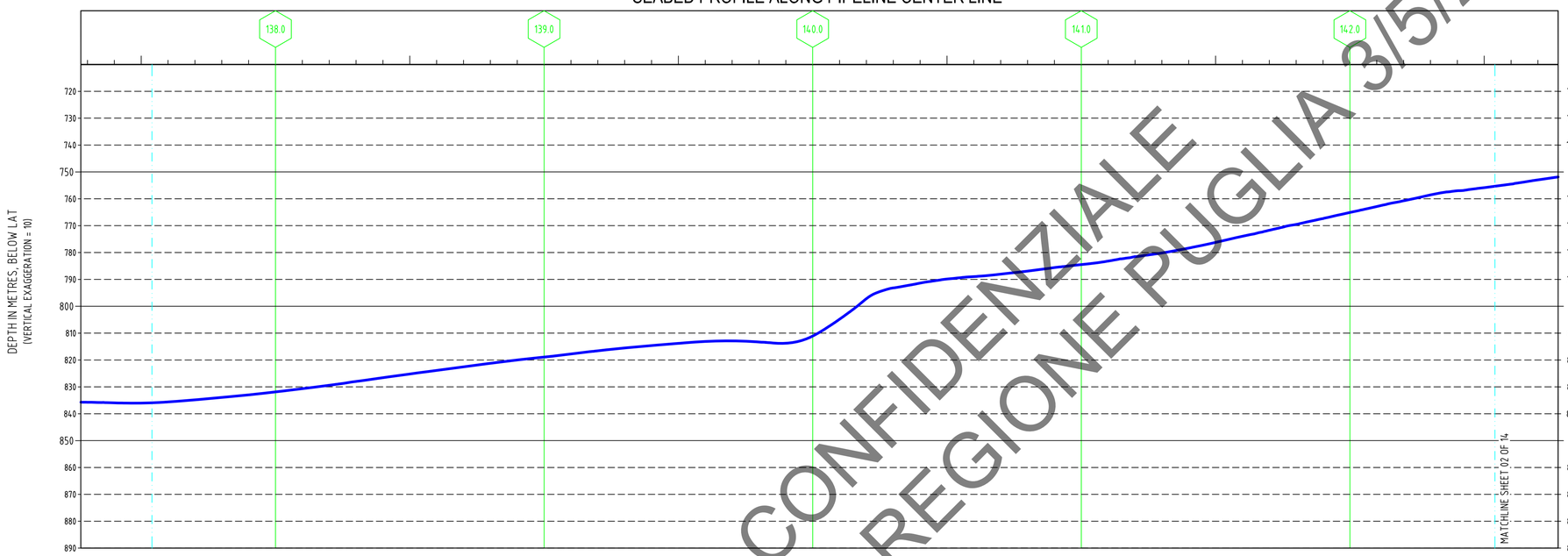
DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	02 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1

BATHYMETRY , LITHOLOGY AND SEABED FEATURES



SEABED PROFILE ALONG PIPELINE CENTER LINE



PIPELINE ENGINEERING DATA

	KP 140.000	KP 140.996	KP 141.196	KP 142.540
PIPE OD (mm) / PIPE ID (mm) / WT (mm) / GRADE	812.8 / 751.4 / 30.7 / DNV SAWL 485 FDU			
INTERNAL COATING	60µm Epoxy Coating @ 1,500kg/m³			
ANTI-CORROSION COATING	3mm Three Layer Polypropylene (3LPP) @ 960 kg/m³			
CONCRETE WEIGHT COATING	N/A			
DRY WEIGHT (kg/m) / SUBM. WEIGTH (kg/m) / SG, NOTE 4	600 / 57 / 1.105			
FIELD JOINT COATING	Injection moulded PP or PP heat shrink sleeve			
ANODE TYPE / SPACING (JOINTS), NOTE 5	Type T-3-32 / 24			
BA THICKNESS (mm) / LENGTH (mm) / SPACING (JOINTS)	48.6 / 4,000 / 133			
MAX. ULS SPAN LENGTH (m), NOTE 8	296.4 / 72.1 / 51.5 / 101.2			
MAX. DYNAMIC SPAN LENGTH (m) NOTE 9	72.6 / 67.1 / 55.1 / 53.4			
INTERVENTION WORKS / PIPE BURIAL	On seabed			
LAY TOLERANCE (m)	+/- 10	+/- 2.5	+/- 10	

MATCHLINE SHEET 02 OF 14

RISERVATO A REGIONE PUGLIA CONFIDENZIALE 3/5/2019

NOTES

1. Geographic Projection: WGS 1984 - UTM, Zone 34 North.
2. Bathymetry, lithology and seabed features are taken from the Fugro Detailed Marine Survey, WE9 Survey Data Report, Integrated Results Report (Doc. No. J35002-RES).
3. Depths are in meters, below LAT.
4. The indicated weights are for an empty pipe; submerged weight and specific gravity are based on an average seawater density of 1,030 kg/m³.
5. For anode details, reference is made to the Pipeline MTO (IGI-1207-PL-MTO-001).
6. Not used.
7. Not used.
8. Not used.
9. Installation / Flooded / Hydrotest / Operation; Based on Screening Criteria in DNVGL-RP-F105. Allowable span lengths are indicative. Final allowable spans to be determined with Detail Design.
10. See seabed intervention summary design report (IGI-312-30-PL-RPT-001) for more details.
11. Location of cable extracted from cable database owned by Global Marine Group.

LEGEND

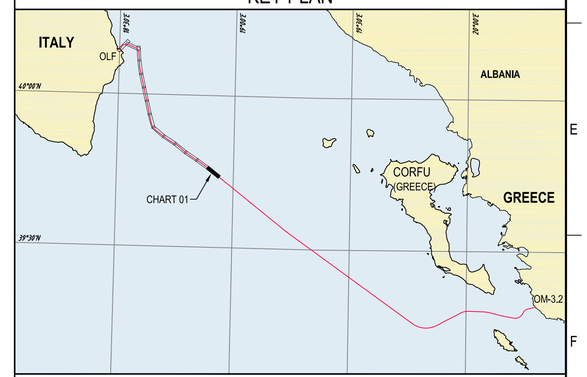
- 1.0 — Kilometre Post indicating distance from landfall
- Pipeline Route IGI_OM3.2_OLF_210612
- Match Line
- 10 — Major isopachyle contour at a 5 m interval
- 800 — Major bathymetric contour at a 10 m interval below LAT
- 801 — Minor bathymetric contour at a 1 m interval below LAT
- 1.00 / 1.00 — Spot depth in metres based on topographic survey, below LAT / Spot depth in metres based on single beam echo sounder data, below LAT
- In service cable
- Out of service cable
- As found cable (from ROV)
- 002-GT-CPT — Geotechnical sample / test location
- RMS-02-IGI-F — Geotechnical sample location (position from Reconnaissance Marine Survey)
- Linear debris with dimensions (length x width x height) in metres
- Linear debris (from ROV) with dimensions (length x width x height) in metres
- Wire / cable debris with length in metres
- Ripple marks (aligned along crest orientation)
- Sonar contact with dimensions (length x width x height) in metres
- Sonar contact (from ROV) with dimensions (length x width x height) in metres
- Boulder
- Magnetometer contact with amplitude in nanoTeslas
- Depression less than 12 m in diameter
- Depression 12 m or greater in diameter
- Mound 12 m or greater in diameter
- Wreck with dimensions (length x width x height) in metres
- Span > Installation - static criterion (Note 10)
- Span > operation - dynamic & static criterion (Note 10)
- Span > trawl gear criteria (Note 10)

SEDIMENT TYPES

CLAY [with sediment sub categories]
- Undisturbed seabed
- Undulating seabed (buried mass movement deposits)
- Surface mass movement deposits
- Exposed failure plane
- Area of scour

- SILT
- SAND
- GRAVEL
- ROCK
- SEAGRASS
- CORAL

KEY PLAN



SCALE BAR

0 100m 500m 1000m

HOR. SCALE 1 : 10,000 (AT "A1" SIZE)

REV	DATE	DESCRIPTION	DRWN	DSGN	ENGR	APPR	CLIENT
Y1	28 MAR 2019	APPROVED FOR USE	SM	SM	WHH	MVV	
Y0	08 MAR 2019	ISSUED FOR CLIENT REVIEW	SM	SM	WHH	MVV	
YA	06 MAR 2019	ISSUED FOR INTERNAL REVIEW	SM	SM	WHH		

INTECSEA WorleyParsons Group

PROJECT: IGI Poseidon Offshore Section Update

CLIENT: IGI Poseidon

Project No.:	406010-00159
WBS Code:	1316 (FEED Deliverables)
EDISON Doc. No.:	
DEPA Doc. No.:	

IGI Poseidon

TITLE:

PIPELINE ALIGNMENT SHEETS (ITALIAN SECTION) KP 140.000 to KP 142.540

DRAWN BY:	DATE:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	SHEET:
FAK	24 NOV 2017	WHH	28 MAR 2019	MVV	28 MAR 2019	01 OF 14

SCALE AT 'A1' SIZE	PROJECT	CTR	AREA	DISCIPLINE	TYPE	NUMBER	REVISION
1:10,000	IGI	1316	30	PL	DWG	001	Y1