

Neptun Deep Project

TUZLA Shore Approach Construction Barge Mooring Layout

Prepared By: Exxon Mobil
Doc Number: ND-D-EM-10-OI-DLAY-0001-0001
Rev: 1
Status: Issued for Use
Date: August 2018



SUBJECT TO CONFIDENTIALITY PROVISIONS OF THE NEPTUN DEEP CONCESSION AGREEMENT AND RELATED JOINT OPERATING AGREEMENT AND/OR THOSE OF THE APPLICABLE NON-DISCLOSURE AGREEMENT ON BEHALF OF EXXONMOBIL EXPLORATION AND PRODUCTION ROMANIA LIMITED

REFERENCE DRAWINGS

NOTES

1. BARGE AND ANCHOR PATTERNS ARE NOTIONAL BASED ON A TYPICAL SHALLOW WATER CONSTRUCTION BARGE, ACTUAL VESSEL AND MOORING PATTERNS WILL VARY BASED ON THE CONSTRUCTION BARGE PERFORMING THE WORK AND ENVIRONMENTAL CONDITIONAL.
2. BATHYMETRY SOURCE: TCARTA MARINE 90m.
3. SHIPWRECK ESTIMATED UP TO APPROXIMATELY 5m PROUD OF THE SEABED.

KEY MAP



LEGEND

- PROPOSED GAS PRODUCTION PIPELINE
- PIPELINE CORRIDOR
- ENVIRONMENTAL AREA
- PROPOSED PURCHASE AREA
- STEP 1
- STEP 2

GEODETIC AND PROJECTION PARAMETERS

GEODETIC DATUM	WORLD GEODETIC SYSTEM 1984 (WGS84)
PROJECTION	TRANSVERSE MERCATOR (TM30 NE)
CENTRAL MERIDIAN	30°00'00" E
LATITUDE OF ORIGIN	0°00'00" N
FALSE EASTING	500,000 m
FALSE NORTHING	0,0m
SCALE FACTOR	0,9998

NEPTUN DEEP PROJECT

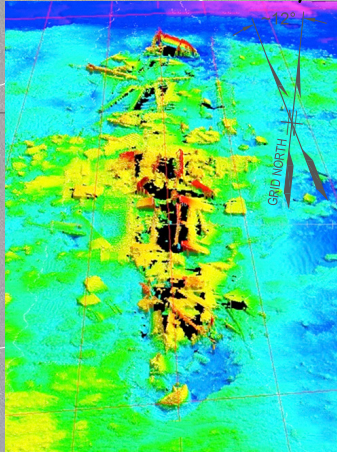
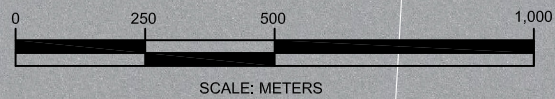
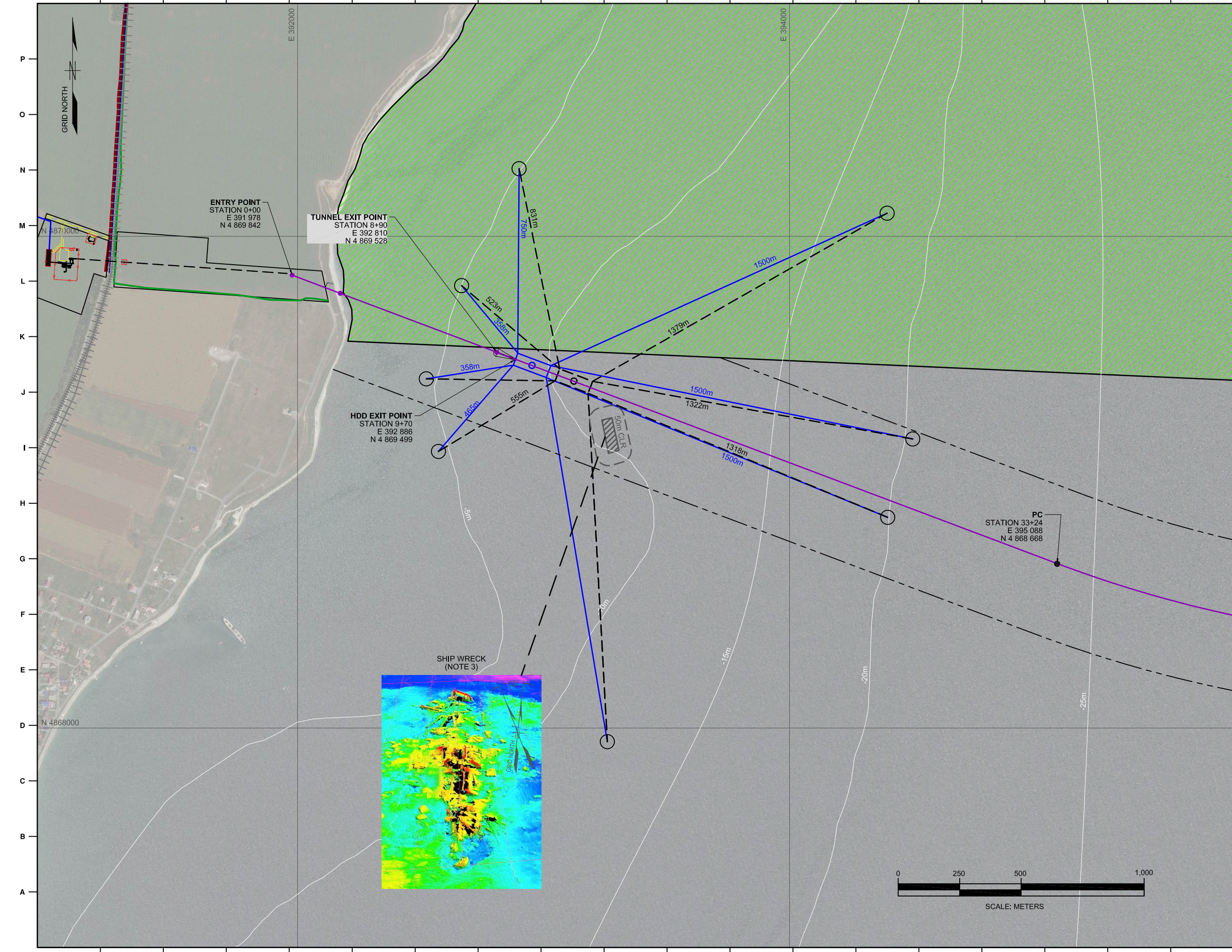
NOTE: SIGNATURES ON FILE

ISSUE	DATE	DESCRIPTION	BY	CHKD	APPVD
1	07-AUG-18	ISSUED FOR USE	BW	TMR	JCG
0	17-FEB-17	ISSUED FOR USE	BW	TMR	JCG



TUZLA SHORE APPROACH
CONSTRUCTION BARGE MOORING LAYOUT
SHEET 1 OF 5

DRAWN BY	DATE	SCALE	CHKD	TMR
B. WILLIAMSON	05-OCT-16	AS SHOWN	APPVD	JCG
DRAWING NO.	ISSUE NO.			
ROND-ED-YDLAY-24-0015-001	1			



SHIP WRECK (NOTE 3)

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KEY MAP



LEGEND

- PROPOSED GAS PRODUCTION PIPELINE
- PIPELINE CORRIDOR
- ENVIRONMENTAL AREA
- PROPOSED PURCHASE AREA
- STEP 3
- STEP 4

GEODETIC AND PROJECTION PARAMETERS

GEODETIC DATUM WORLD GEODETIC SYSTEM 1984 (WGS84)
 PROJECTION TRANSVERSE MERCATOR (TM30 NE)
 CENTRAL MERIDIAN 30°00'00" E
 LATITUDE OF ORIGIN 0°00'00" N
 FALSE EASTING 500,000 m
 FALSE NORTHING 0,0m
 SCALE FACTOR 0,9998

NEPTUN DEEP PROJECT

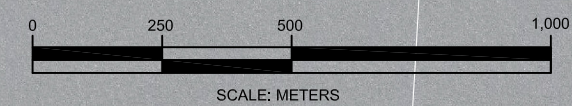
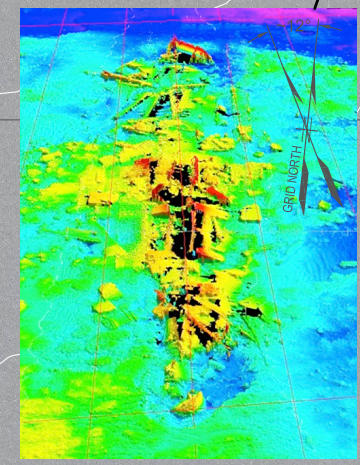
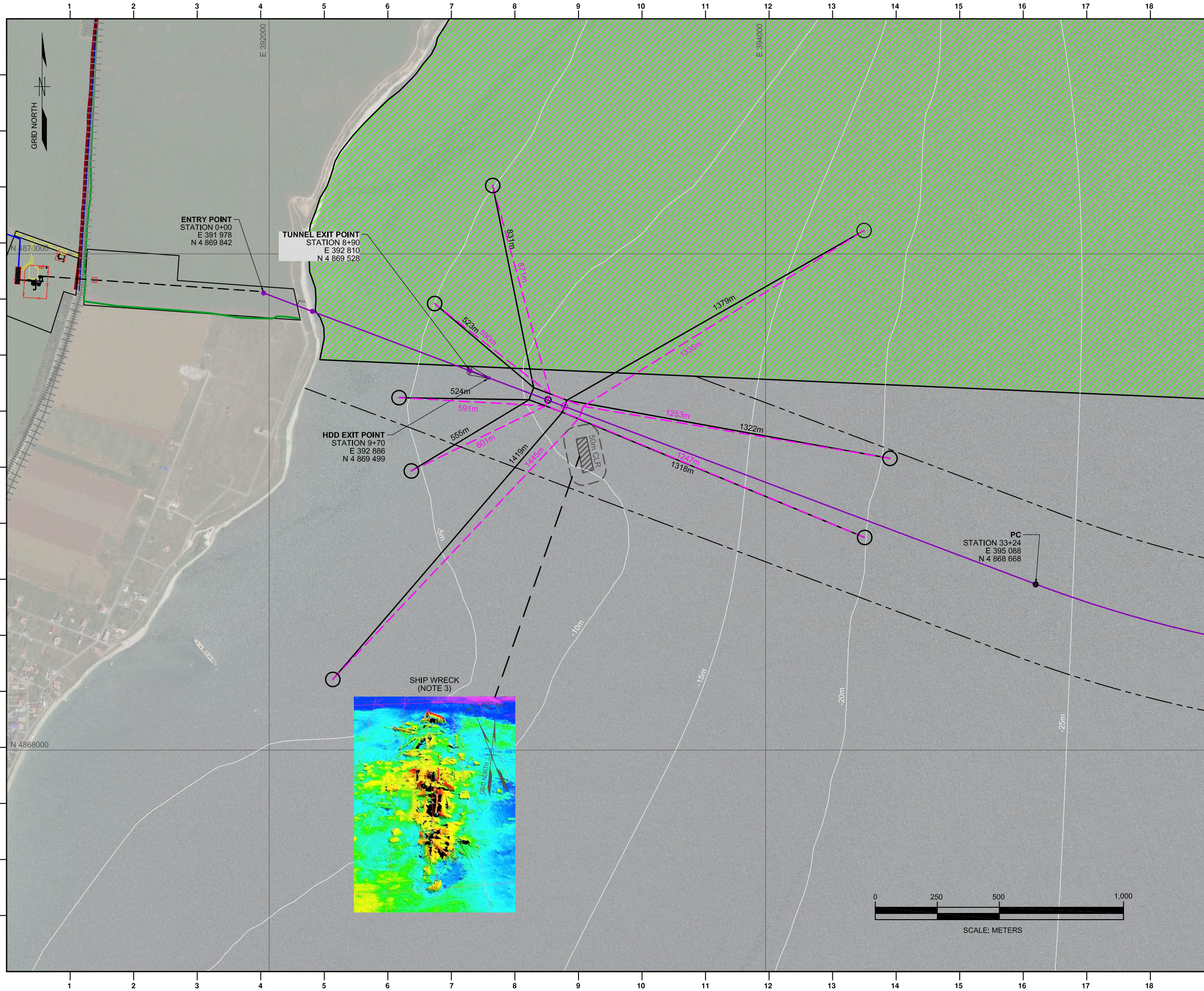
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TUZLA SHORE APPROACH
 CONSTRUCTION BARGE MOORING LAYOUT
 SHEET 2 OF 5

DRAWN BY B. WILLIAMSON	DATE 05-OCT-16	SCALE AS SHOWN	CHKD TMR	APPVD JCG
DRAWING NO. ROND-ED-YDLAY-24-0015-002				ISSUE NO. 1



GRID NORTH

ENTRY POINT
STATION 0+00
E 391 978
N 4 869 842

TUNNEL EXIT POINT
STATION 8+90
E 392 810
N 4 869 528

HDD EXIT POINT
STATION 9+70
E 392 886
N 4 869 499

SHIP WRECK
(NOTE 3)

PC
STATION 33+24
E 395 088
N 4 868 668

50m CLR

5m
-10m
-15m
-20m
-25m

831m
523m
524m
521m
555m
14.19m
1379m
1253m
1322m
1318m

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SUBJECT TO CONFIDENTIALITY PROVISIONS OF THE NEPTUN DEEP CONCESSION AGREEMENT AND RELATED JOINT OPERATING AGREEMENT AND/OR THOSE OF THE APPLICABLE NON-DISCLOSURE AGREEMENT ON BEHALF OF EXXONMOBIL EXPLORATION AND PRODUCTION ROMANIA LIMITED

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3. SHIPWRECK ESTIMATED UP TO APPROXIMATELY 5m PROUD OF THE SEABED.
4. TUG SUPPORT MAY BE REQUIRED TO MAINTAIN POSITION.

KEY MAP



LEGEND

- PROPOSED GAS PRODUCTION PIPELINE
- - - PIPELINE CORRIDOR
- ENVIRONMENTAL AREA
- PROPOSED PURCHASE AREA
- - - STEP 5
- - - STEP 6

GEODETIC AND PROJECTION PARAMETERS

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NEPTUN DEEP PROJECT

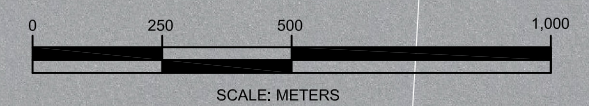
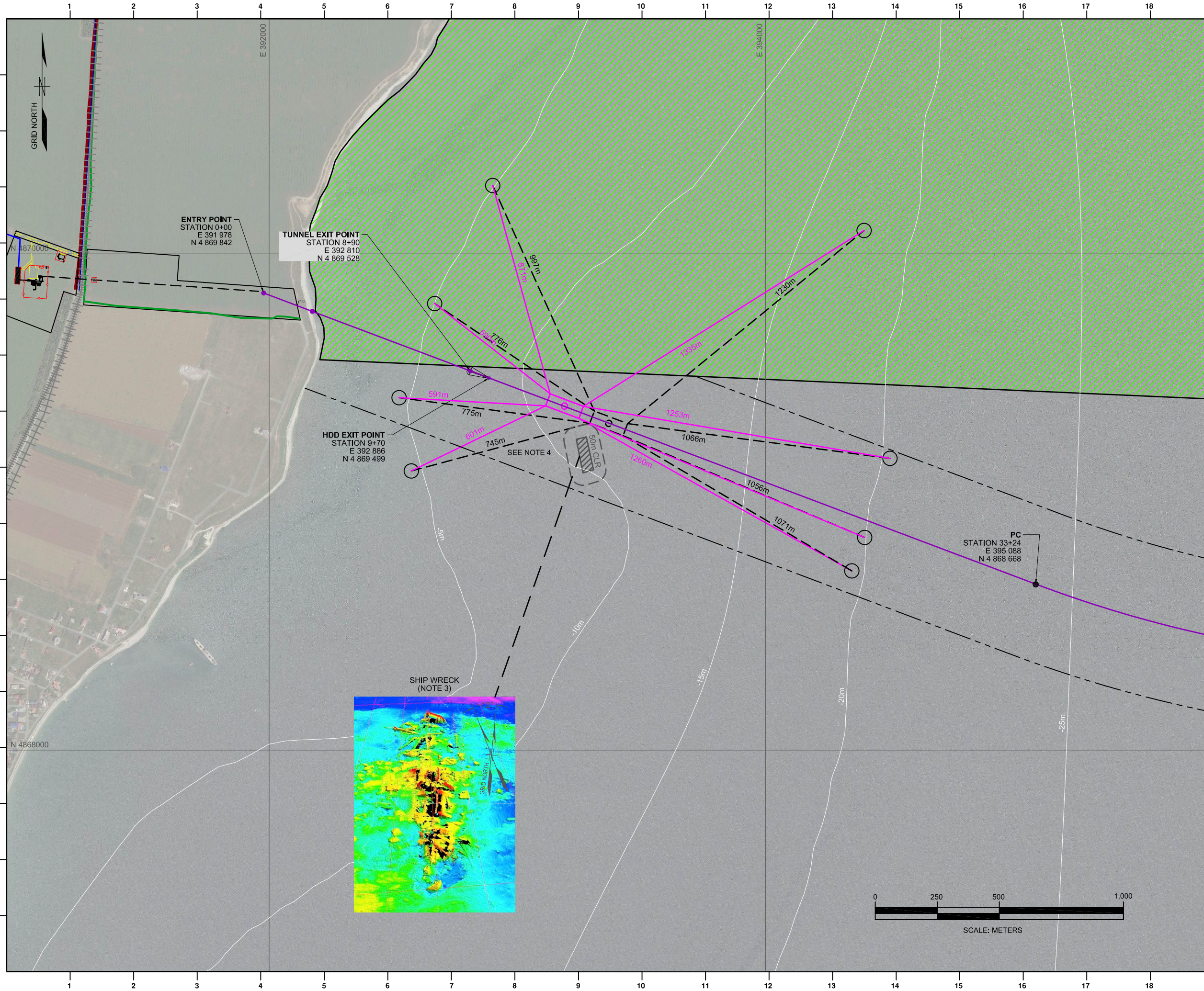
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TUZLA SHORE APPROACH
CONSTRUCTION BARGE MOORING LAYOUT
SHEET 3 OF 5

DRAWN BY	B. WILLIAMSON	DATE	05-OCT-16	SCALE	AS SHOWN	CHKD	TMR
DRAWING NO.	ROND-ED-YDLAY-24-0015-003			APPVD	JCG	ISSUE NO.	1



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KEY MAP



LEGEND

- PROPOSED GAS PRODUCTION PIPELINE
- - - PIPELINE CORRIDOR
- ENVIRONMENTAL AREA
- PROPOSED PURCHASE AREA
- STEP 7
- STEP 8

GEODETIC AND PROJECTION PARAMETERS

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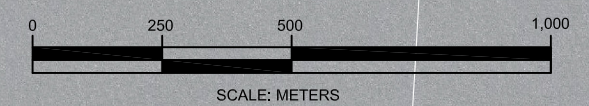
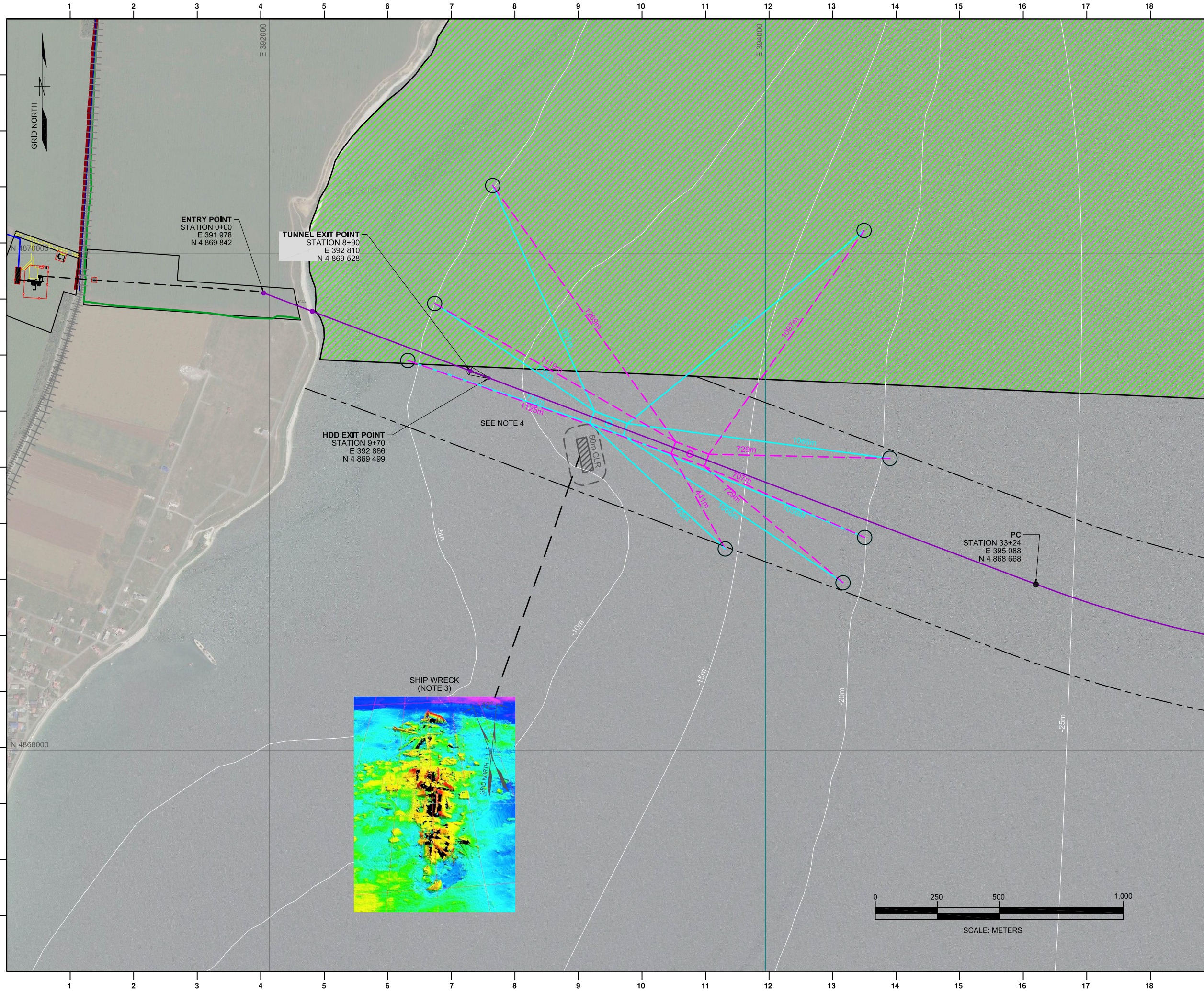
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TUZLA SHORE APPROACH
CONSTRUCTION BARGE MOORING LAYOUT
SHEET 4 OF 5

DRAWN BY	DATE	SCALE	CHKD	TMR
B. WILLIAMSON	05-OCT-16	AS SHOWN	APPVD	JCG
DRAWING NO.	ROUND-ED-YDLAY-24-0015-004			ISSUE NO.
				1



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LEGEND

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- PIPELINE CORRIDOR
- ENVIRONMENTAL AREA
- PROPOSED PURCHASE AREA
- STEP 9
- STEP 10

GEODETIC AND PROJECTION PARAMETERS

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TUZLA SHORE APPROACH
 CONSTRUCTION BARGE MOORING LAYOUT
 SHEET 5 OF 5

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