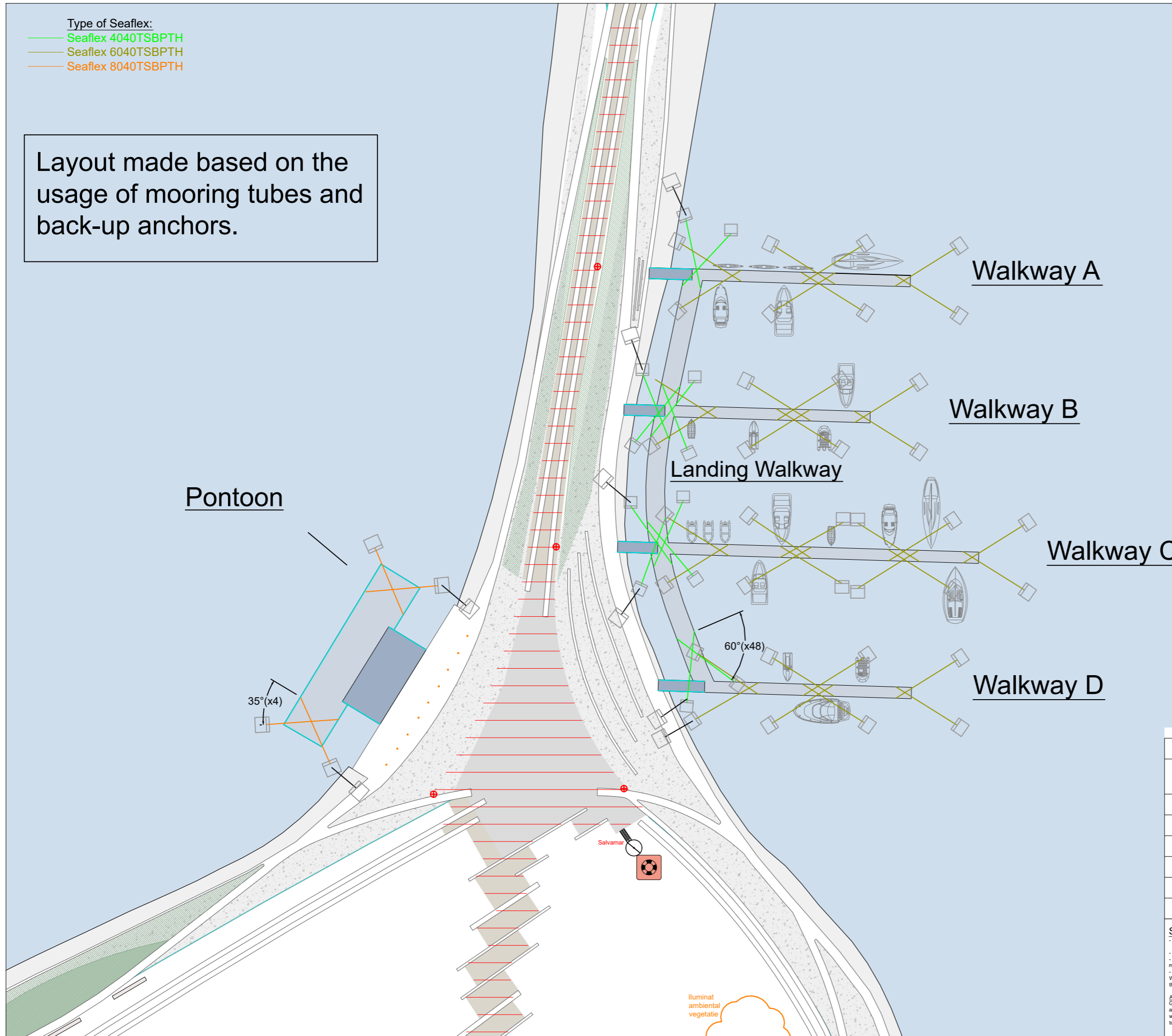


- Seaflex 4040TSBPTH
- Seaflex 6040TSBPTH
- Seaflex 8040TSBPTH

Layout made based on the usage of mooring tubes and back-up anchors.



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PRELIMINARY DESIGN

CLIENT: Prodeco

Drawn By: JSM	Checked By:
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Drawing Name:

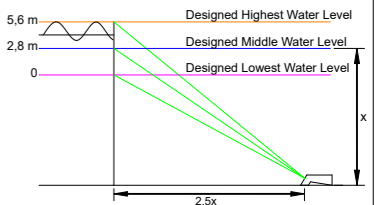
9491_Morii Lake - Bucharest_Prodeco_Seaflex_20230524

SEAFLEX			Design Parameters	
			Vertical Datum (CD)	CD=N/A
			Lowest Water Level	N/A m
SEGMENT	NO. OF SEAFLEX	TYPE OF SEAFLEX	Water Level Variation	4,9 m
			Average Depth at LWL	0,85 m
Landing Walkway	12	4045TSBPTH	Max Wind Velocity (20s gust @ 10 m)	30 m/s
Walkway A	8	6040TSBPTH	Max Wave Height	1 m
Walkway B	8	6040TSBPTH	Significant Wave Height	0,7 m
Walkway C	12	6040TSBPTH	Current	N/A m/s
Walkway D	8	6040TSBPTH	This drawing is submitted to complete the quote and is not meant for installation. Seaflex responsibility is limited to the mooring system's functionality in relation to the environmental forces and any other event that it was dimensioned for. Seaflex will always provide the max pull-down forces of the Seaflex units on request. How the floating structure functionate with these pull-down forces is not the responsibility of Seaflex by default. However, the forces can be altered by Seaflex upon request.	
Taxi Pontoon	4	8040TSBPTH		

Seaflex design

- Scope of installation is 2.5:1
(Horizontal distance = Anchor depth at design Middle Water Level x 2.5:1)
- Water level variation (tide) is 4,9 m +0,7 m for 1 m waves
- Designed total water level variation (tide + storm surge + wave height) is 5,6 m
- Pre-tension of Seaflex unit is 30% of the original length at Design Lowest Water Level. For pre-tension of Seaflex use pre-tension diagram specific for the project.

Anchor
Gravity or technical anchor can be used. The rule of thumb is 1 ton gravity anchor per Seaflex strand on the unit. For example, a 6-stranded Seaflex unit will then need a 6 ton anchor. However, it is well recommended and important to do a load test at site because of different type of bottom structures.



Type of Seaflex:
Seaflex 6045TSBPTH

Layout made based on the
usage of mooring tubes.

Floating Transport Pontoons



www.seaflex.com

Phone: + 46 90 16 06 50
Fax: + 46 90 16 06 51

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www.seaflex.com

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ENGINEER'S SEAL

PRELIMINARY DESIGN

PROJECT:
PARCUL LACUL MORII, parte din proiectul
"Regenerare urbană zona Lacul Morii din Sectorul 6
al Municipiului București"

CLIENT:
Prodeco

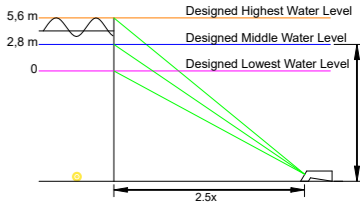
Seaflex Project Number:	Date:
9491	20230614
Drawn By:	Checked By:
JSM	

Drawing Name:
9491_Morii Lake - Bucharest_Prodeco_Seaflex_20230524

Design parameters	
Vertical Datum (CD)	CD=N/A
Lowest Water Level	N/A m
Water Level Variation	4,9 m
Average Depth at LWL	0,85 m
Max Wind Velocity <small>(30s gust @ 10 m)</small>	30 m/s
Max Wave Height	1 m
Significant Wave Height	0,7 m
Current	N/A m/s
This drawing is submitted to complete the quote and is not meant for installation. Seaflex responsibility is limited to the mooring system's functionality in relation to the environmental forces and any other event that it was dimensioned for. Seaflex will always provide the max pull-down forces of the Seaflex units on request. How the floating structure functionate with these pull-down forces is not the responsibility of Seaflex by default. However, the forces can be altered by Seaflex upon request.	

SEAFLEX		
SEGMENT	NO. OF SEAFLEX	TYPE OF SEAFLEX
Floating Transport Pontoons	20	6045TSBPTH

Seaflex design
- Scope of installation is 2.5:1
(Horizontal distance = Anchor depth at design Middle Water Level x 2.5:1)
- Water level variation (tide) is 4,9 m +0,7 m for 1 m waves
- Designed total water level variation (tide + storm surge + wave height) is 5,6 m
- Pre-tension of Seaflex unit is 30% of the original length at Design Lowest Water Level. For pre-tension of Seaflex use pre-tension diagram specific for the project.
Anchor
Gravity or technical anchor can be used. The rule of thumb is 1 ton gravity anchor per Seaflex strand on the unit. For example, a 6-stranded Seaflex unit will then need a 6 ton anchor. However, it is well recommended and important to do a **load test** at site because of different type of bottom structures



50°(x20)

Type of Seaflex:
Seaflex 8040TSBPTH

Layout made based on the
usage of mooring tubes.

Walkway E



Phone: + 46 90 16 06 50
Fax: + 46 90 16 06 51

info@seaflex.com
www.seaflex.com

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ENGINEER'S SEAL

PRELIMINARY DESIGN

PROJECT:
PARCUL LACUL MORII, parte din proiectul
"Regenerare urbană zona Lacul Morii din Sectorul 6
al Municipiului București"

CLIENT:
Prodeco

Seaflex Project Number:	Date:
9491	20230614

Drawn By:	Checked By:
JSM	

Drawing Name:
9491_Morii Lake - Bucharest_Prodeco_Seaflex_20230524

Design parameters

Vertical Datum (CD)	CD=N/A
Lowest Water Level	N/A m
Water Level Variation	4,9 m
Average Depth at LWL	0,85 m
Max Wind Velocity <small>(30s gust @ 10 m)</small>	30 m/s
Max Wave Height	1 m
Significant Wave Height	0,7 m
Current	N/A m/s

This drawing is submitted to complete the quote and is not meant for installation. Seaflex responsibility is limited to the mooring system's functionality in relation to the environmental forces and any other event that it was dimensioned for. Seaflex will always provide the max pull-down forces of the Seaflex units on request. How the floating structure functionate with these pull-down forces is not the responsibility of Seaflex by default. However, the forces can be altered by Seaflex upon request.

SEAFLEX

SEGMENT	NO. OF SEAFLEX	TYPE OF SEAFLEX
Walkway E	4	8040TSBPTH

Seaflex design
- Scope of installation is 2.5:1
(Horizontal distance = Anchor depth at design Middle Water Level x 2.5:1)
- Water level variation (tide) is 4,9 m +0,7 m for 1 m waves
- Designed total water level variation (tide + storm surge + wave height) is 5,6 m
- Pre-tension of Seaflex unit is 30% of the original length at Design Lowest Water Level. For pre-tension of Seaflex use pre-tension diagram specific for the project.
Anchor
Gravity or technical anchor can be used. The rule of thumb is 1 ton gravity anchor per Seaflex strand on the unit. For example, a 6-stranded Seaflex unit will then need a 6 ton anchor. However, it is well recommended and important to do a load test at site because of different type of bottom structures.

