

Interreg



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MUSTBE

***Multidimensional storm
water treatment in urban
areas for cleaner Baltic Sea***

Tallinn event

6th March 2024

Josefin Flink and Maria Svensson
municipality of Söderhamn



**Söderhamns
kommun**

Project progress

Söderhamnsporten



Broberg 3:1



SÖDERHAMNSPORTEN

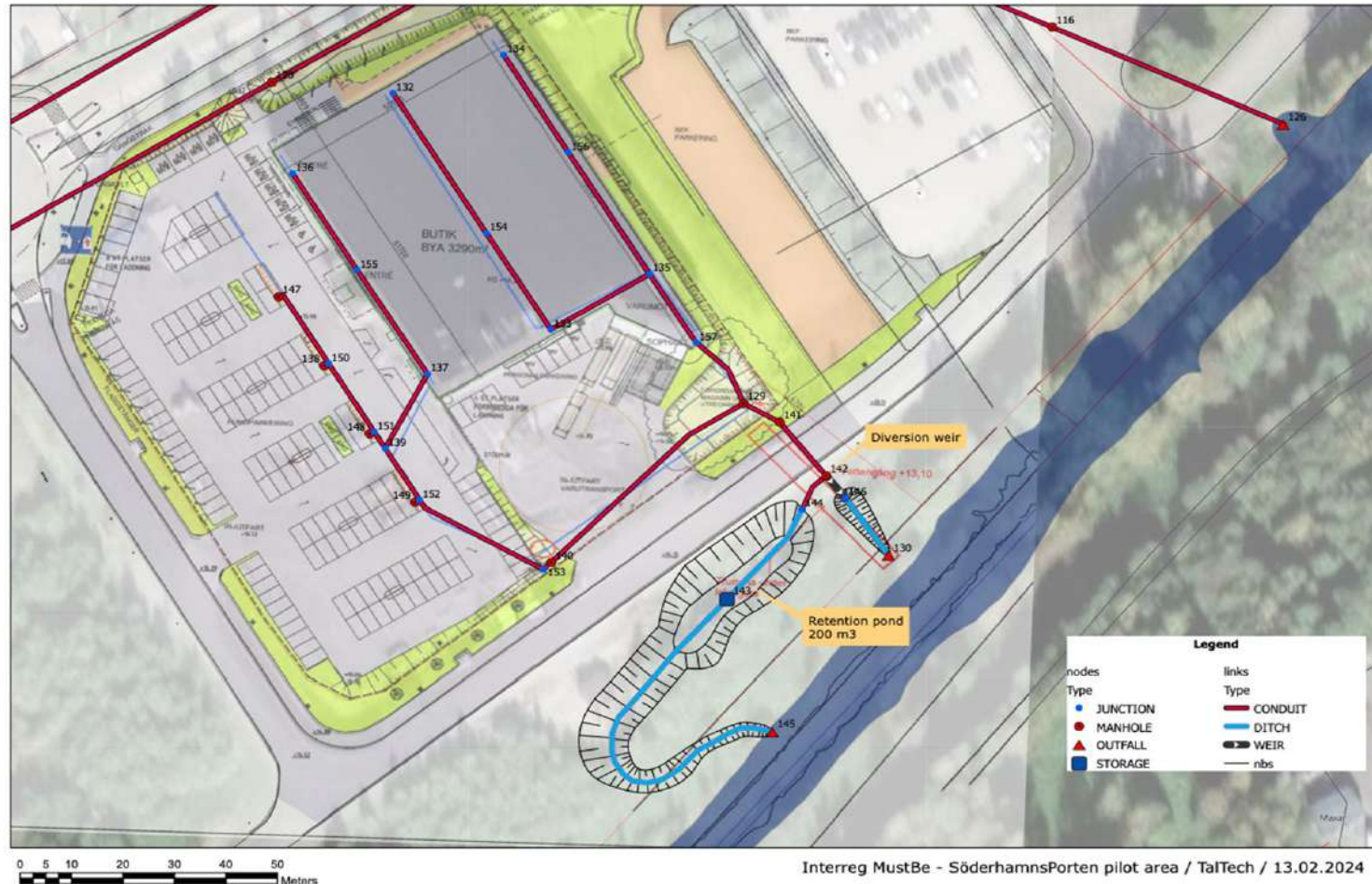


<https://centralbaltic.eu/project/mustbe/>

Runoff from newly built supermarket

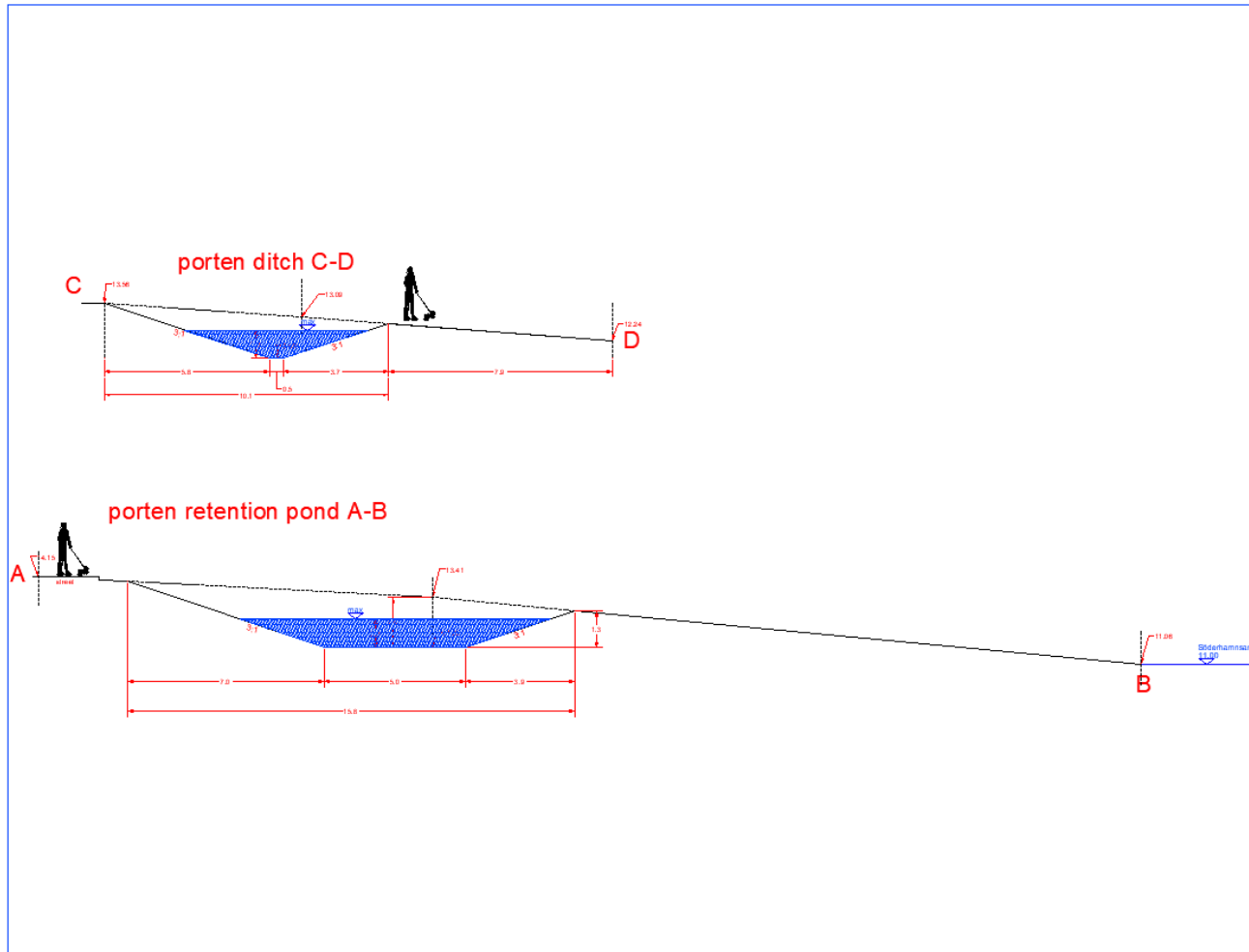


NBS in Söderhamnsporten



- Chosen the exact location
- Connect to the stormwater from the parking lot and the roof of a newly constructed supermarket

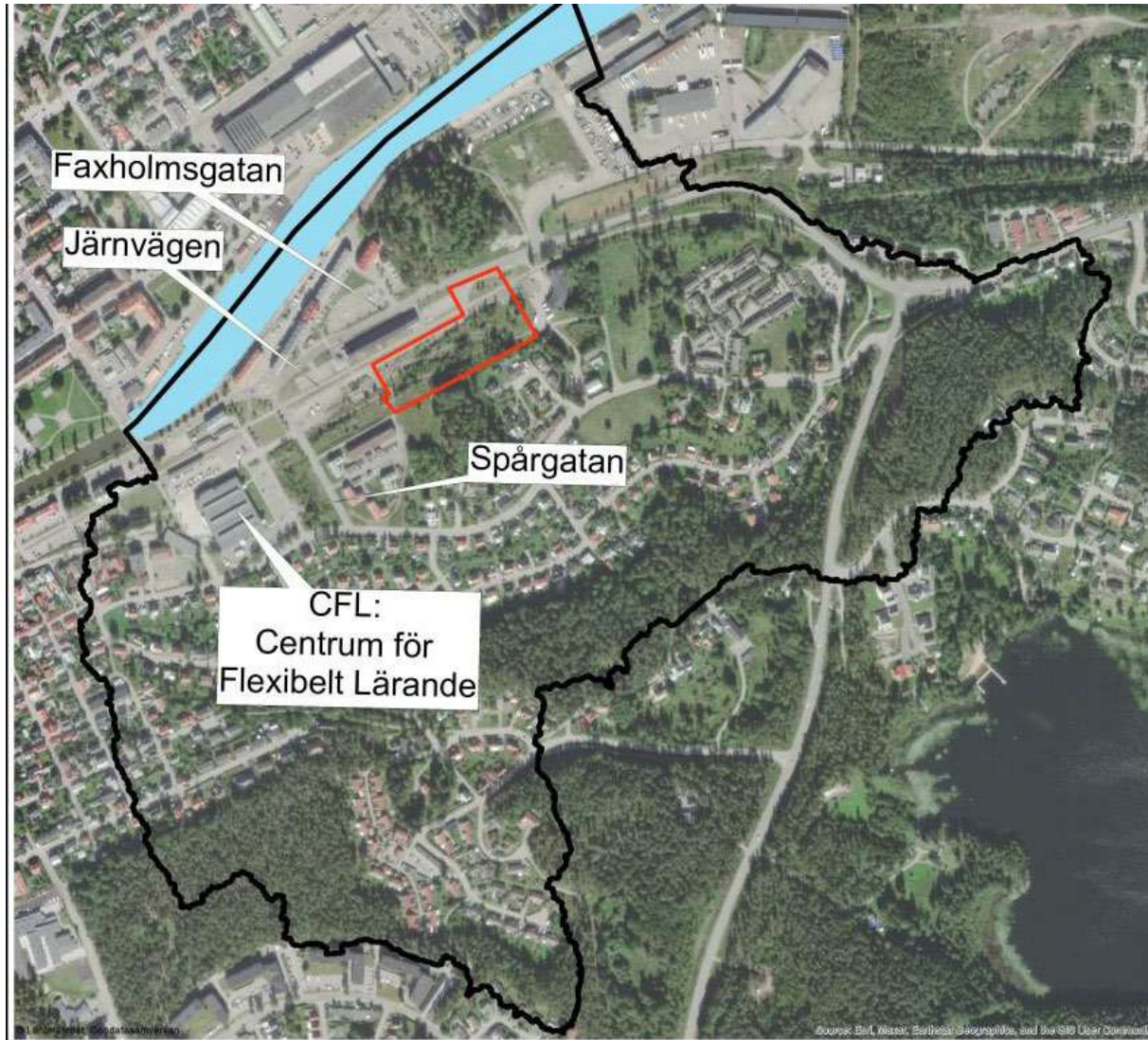
Cross-sections Söderhamnsporten



Broberg 3:1



Catchment area 79 ha



<https://centralbaltic.eu/project/mustbe/>

CFLs basement...



<https://centralbaltic.eu/project/mustbe/>

Broberg now....

Area A



Taken from the south parts of area B



<https://centralbaltic.eu/project/mustbe/>

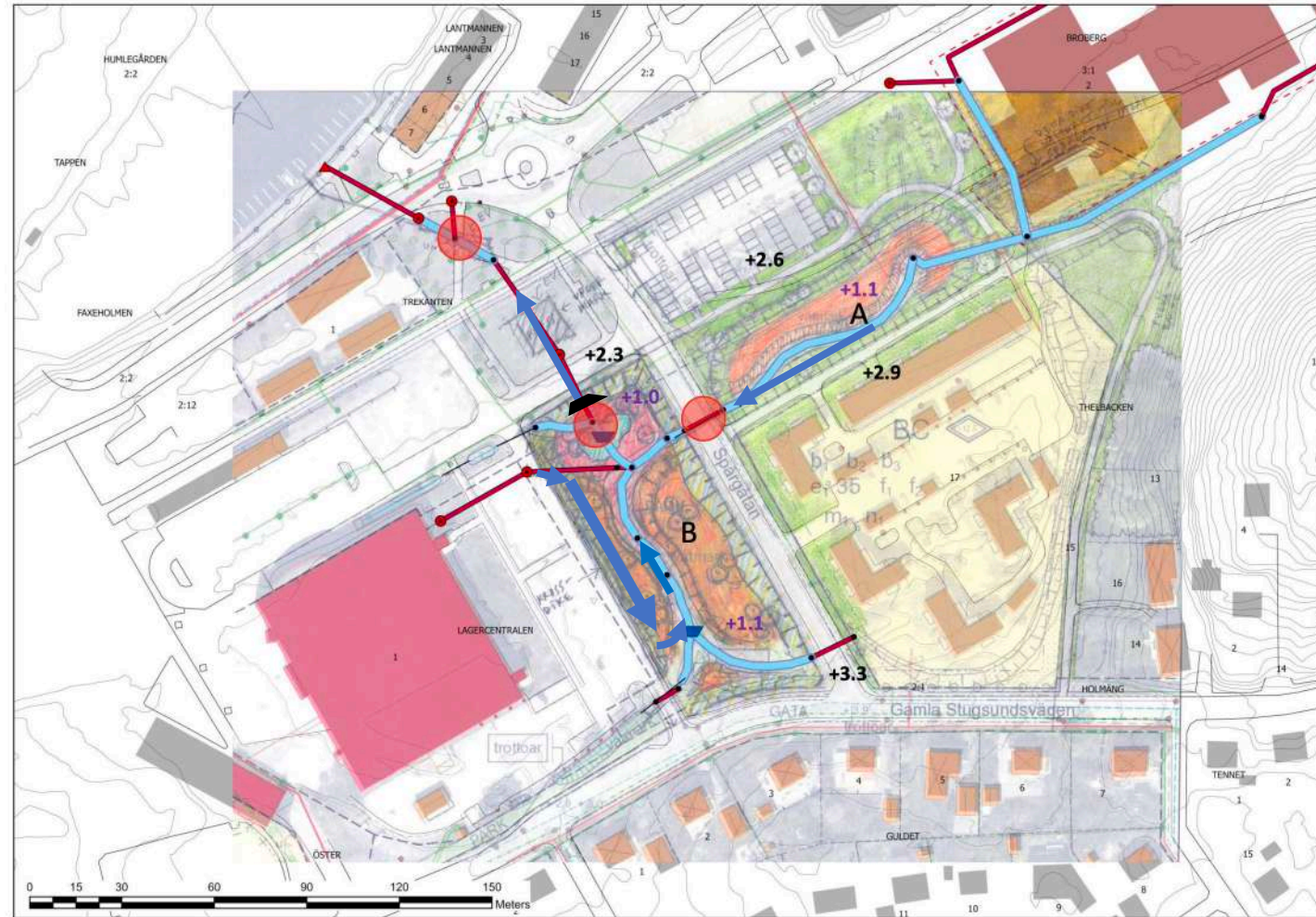
NBS in the Broberg area

Retention
volume 4700 m³
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A = 2100m²
B = 4000m²
Depth = 1.3m

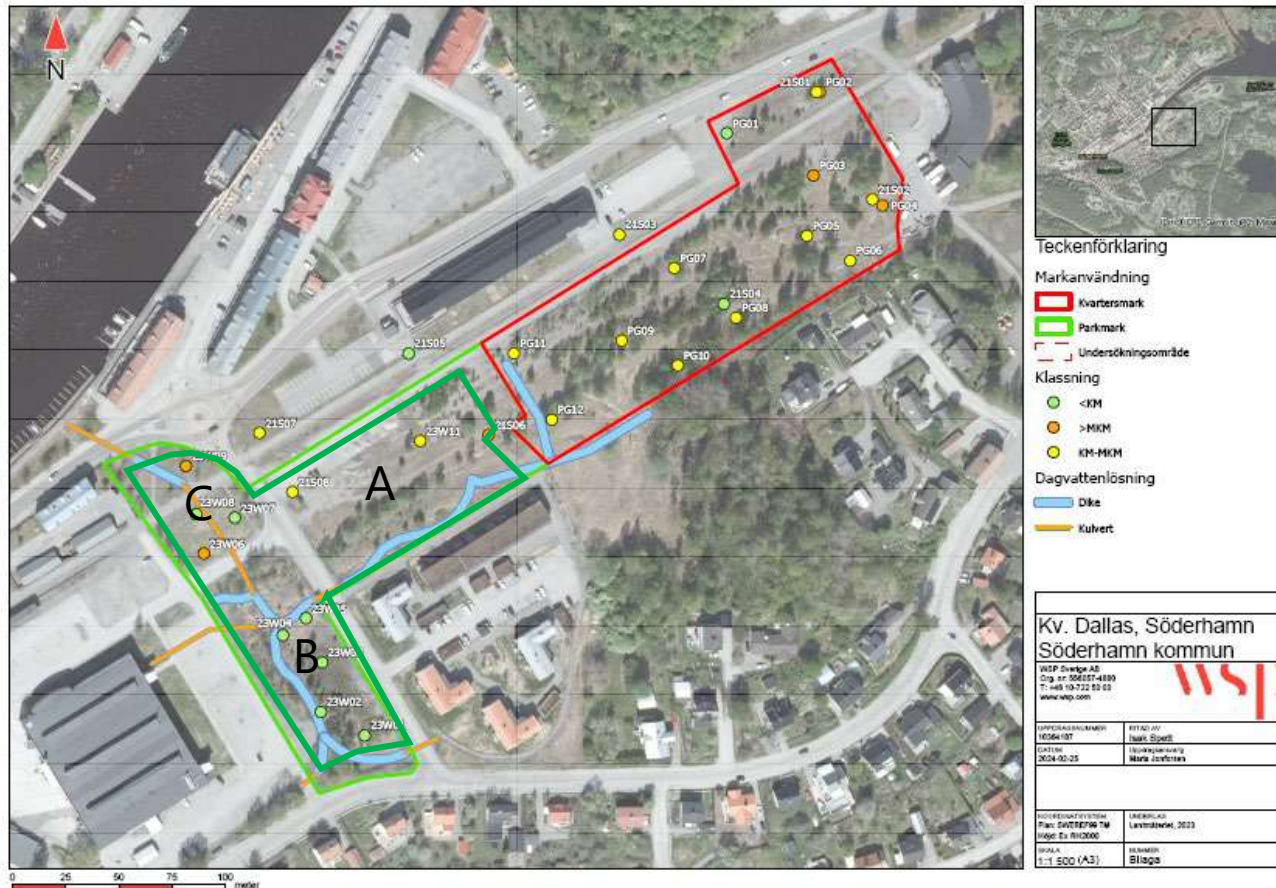
Questions



**TAL
TECH**



Environmental risk assessment



- The oxidation of the iron clay
- Other contaminants

- Excavations down to a plus height of +1.2 m are considered to be possible in sub-areas B and C without a significant risk of sulphide oxidation with significant acidification potential being exposed.

= a maximum excavation depth of approx. 1.5 m.

- Sub-area A is more uncertain.

What's new for both pilots




<https://centralbaltic.eu/project/mustbe/>

Sensors for monitoring

- Aquatroll 600 with telemetrics, 2 st 115 000 sek each
- Including sensors that can measure conductivity, turbidity, oxygen as well as pH.

Timeplan

- 2024-02-15 2024-03-15 Finalizing design of solution/Technical design TalTech
- 2024-03-15 2024-04-15 Procurement (detaljprojektering)
- 2024-02-28 2024-05-25 Design of online monitoring and maintenance program for NBS
- 2024-04-16 2024-05-30 Finalizing construction documents
- 2024-05-30 2024-06-30 Procurement (entreprenad)
- 2024-07-01 2025-05-01 Construction and optimization of NBS
- 2025-05-01  Monitoring adjusting

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THANK YOU!



Josefin Flink Project leader
Municipality of Söderhamn

