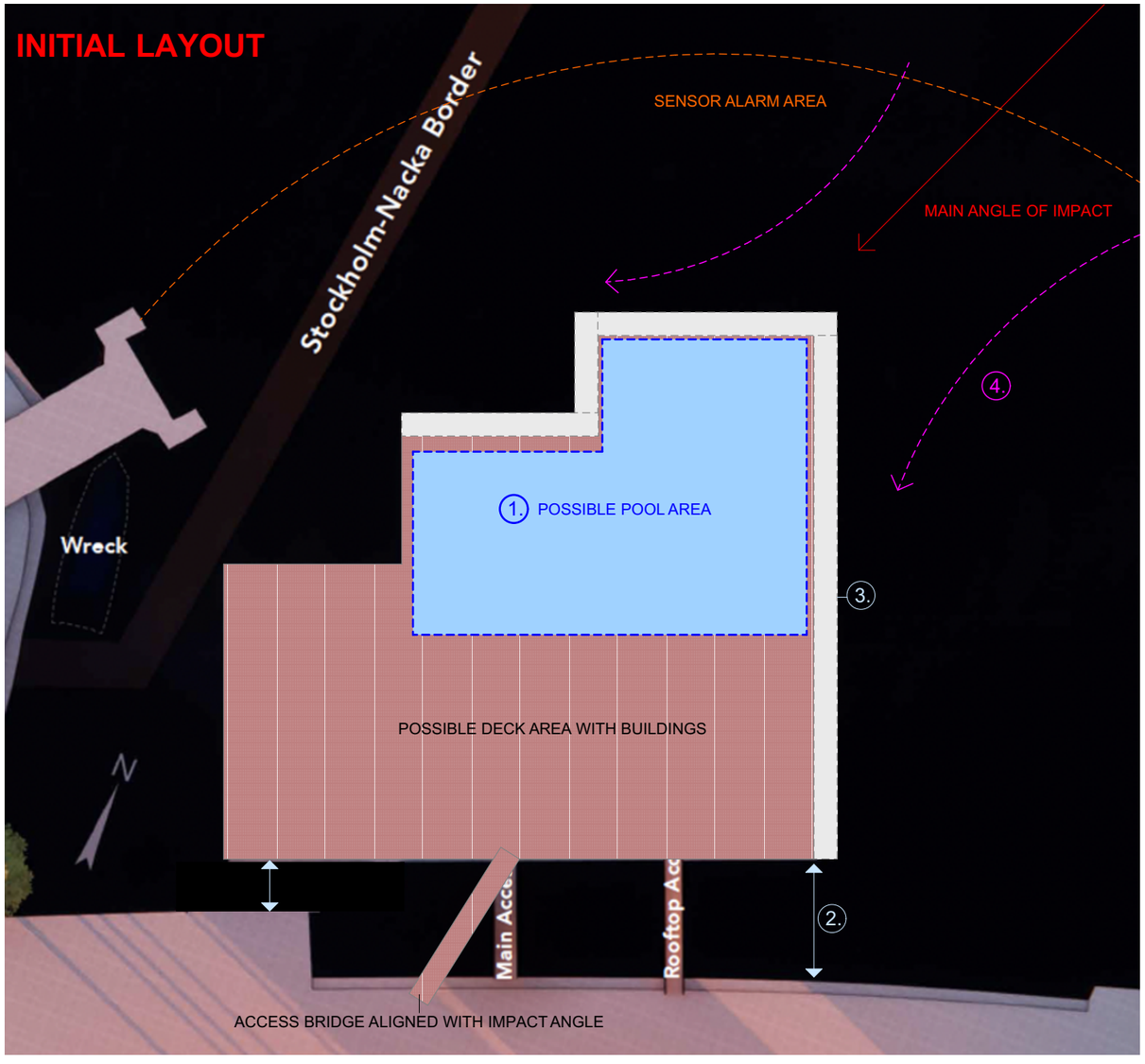


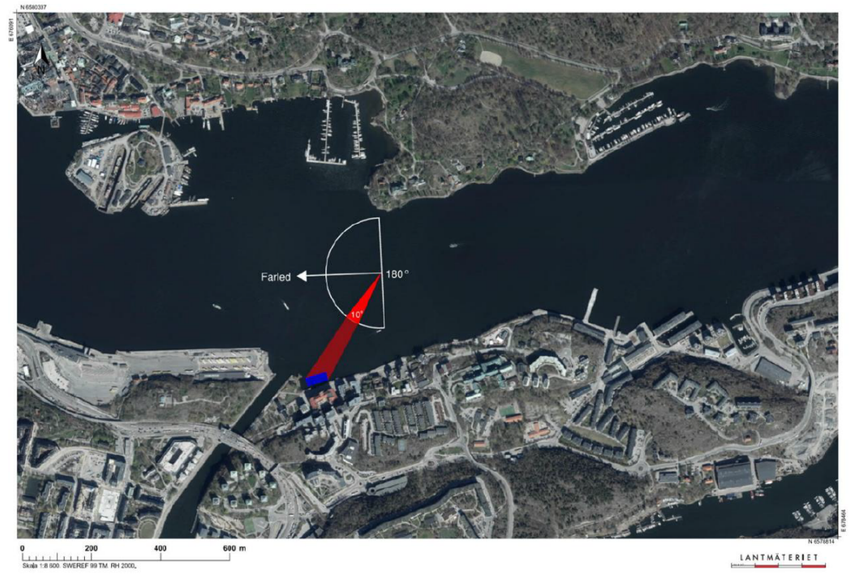
HOW TO LESSEN AFFECTS OF COLLISION (1= highest priority)

1. Pool area on the outer side of the platform and buildings on the quay side
   - Improves visibility and increases reaction time
   - It is recommended to add a manual and an automatic sensor alarm system. Sensor area/ radius must be determined.
   - Visitors have time to evacuate to safety

2. Space between shore and structures + break anchoring ("breaking distance")
   - Space between platform and quay structure is recommended. Note: final location of the platform will be determined once all aspects which need to be considered have been studied.
   -Chain anchorage with multiple sinkers (primary, secondary, third). If platform is hit, the other sinkers will slow down the movement of the platform even if the main anchoring gives in.
   - Long access bridges (orientation alligned with the angle of impact)

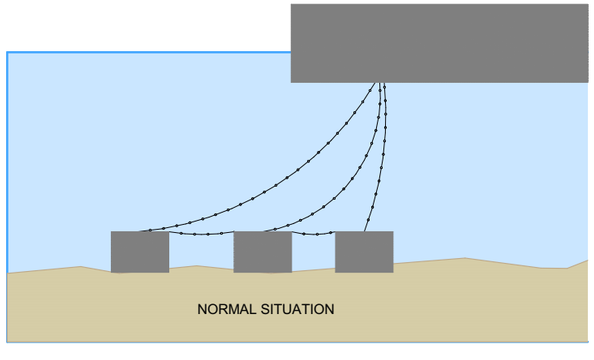
3. Structural buffer on the outer edge
   - Additional "fender" around 1 or two sides if the platform to take the first forces and smaller vessels. Fender is a strong structure which can withhold bigger forces.

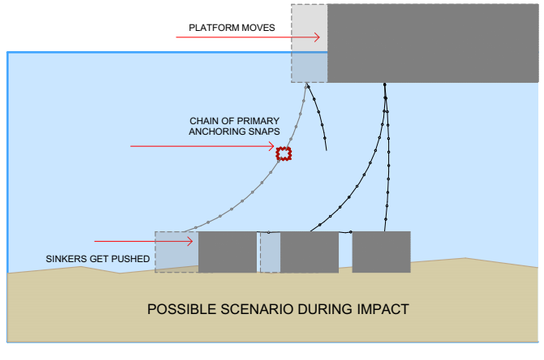
4. Structural angle (angle of impact) + angle of the gangways
   - In case of a vessel collision, vessel will most likely hit side to side, not straight forward.



Impact angle. Source: Riskbedömning_Flytande_Spa_Elite_Hotel AUTOTRANSLATE ENG

ILLUSTRATIVE EXAMPLE OF ANCHORING





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