

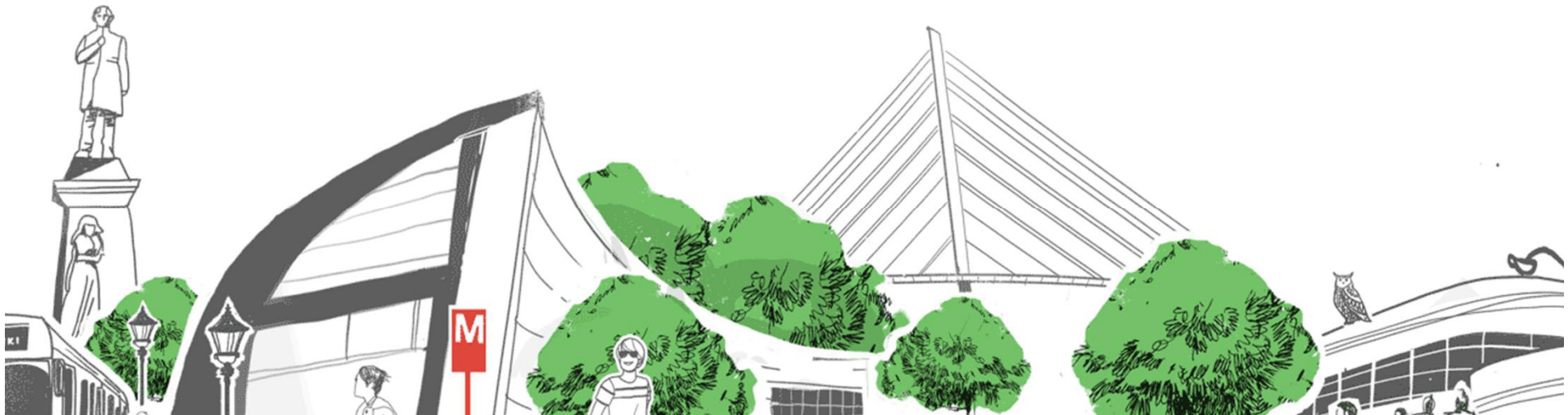


City of Helsinki
Public Works Department

SURPLUS SOILS STRATEGY IN HELSINKI - AN OVERVIEW OF THE CURRENT SITUATION

11.9.2014

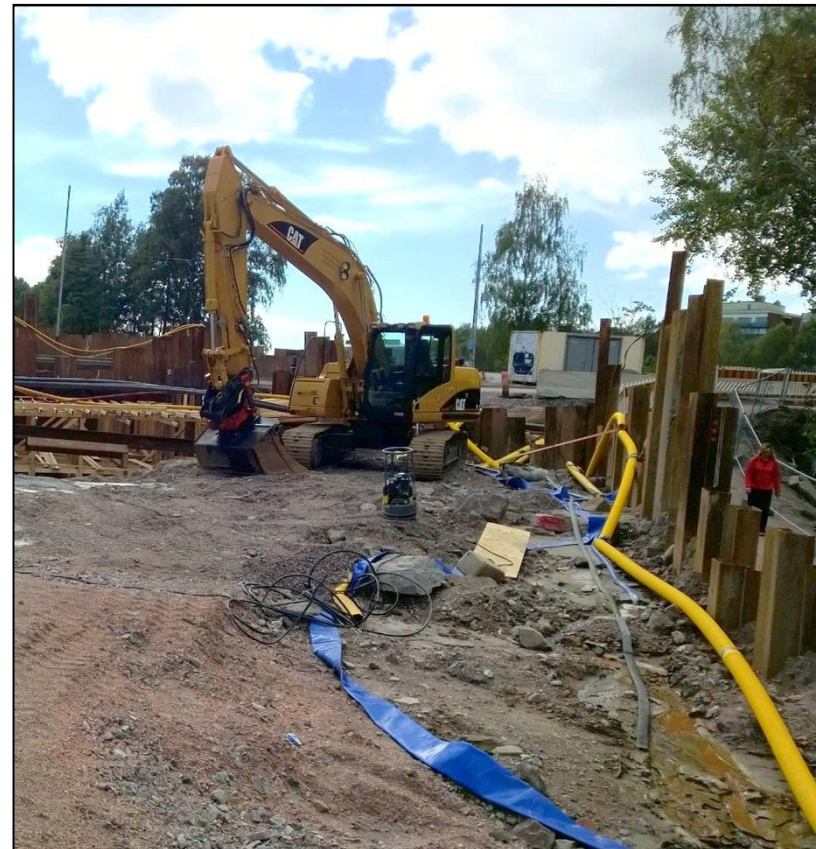
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Background

- Helsinki has produced approximately 0.8 million. m³/a surplus soils, which has not been utilised in for the construction
- From year 2010 the city has not been able to point a clear place to the surplus soils





Phases of the surplus soils strategy

- 2011 Report on the present state
 - The numbers of the digging soils and transports with the metropolitan area were analysed
- 2012 Alternative visions
 - 0: The handling is not co-ordinated
 - 1: Recovery 100 %
 - 2: Filling to quarries
 - 3: Sea filling
- The measures required by each vision were defined in the near future (2012-2020) and in the long run (2020-2050)
- Evaluation of the effects of alternatives
- 2013 Definition of the measures of the strategy
- 2014 Decision-making in city government



Measures of the strategy (3 pc):

1. Reducing of the number of the digging soils and material effectiveness

- Reduce formed of soil materials and digging possible to prevent
 - Planning and control of taking and digging soils early enough at planning stage (masterplans etc.)
 - Use of undug methods for example in building and renewing of pipe systems.
 - Use of breeding methods near birth place
 - Compilation of the instructions directed to the staff concerning material effectiveness and changing of attitudes



2. Promotion of the reuse of digging soils

- Transports and use of untouched soil taking areas are reduced
 - To Helsinki Region Environmental Services Authority (**HSY**) significant role in the improvement of the material effectiveness
 - Accelerating and clarification of the processes of the soil reuse
- Systematic placing of the handling areas
- Statistics of the birth and use of digging soils for follow-up
- To inform soils, which are created or needed
- To inform the places in which the poor quality soils can be placed



3. Securing of the final place of the surplus soils

- To be secured the sufficient possibilities to use and final disposal in the masterplans as a part of the head purpose of use of areas (for example a recreation area)
 - Influence in regional planning
 - In Östersundom Master Plan must show sufficient capacity to reuse surplus soils
 - To HSY significant role in material effectiveness and final disposal.



Implementors of measures

- Team which co-ordinates dug soils
 - Representatives of the different administration municipalities of the city
- Mass co-ordinator of the city
- Public Works Department
- Executive Office
- City Planning Department
- Real Estate Department
- Sports Department
- Building Control
- Stara (Constructor of the City of Helsinki)
- Environment Centre
- Port of Helsinki
- Helsingin energia
- HSY (regional authority that provides waste management services)



Measures of this moment

- Approval of the surplus soils strategy in city government in autumn of 2014
- Updatings to the building licence applications which are related to construction wastes and dismantling waste are prepared
- Started report on the storage places and reception places of different materials (snow, garden waste, soils, etc.)
- Common instructions from productive use of the concrete crushed aggregate
- Report from doing of the pre-building more fluent