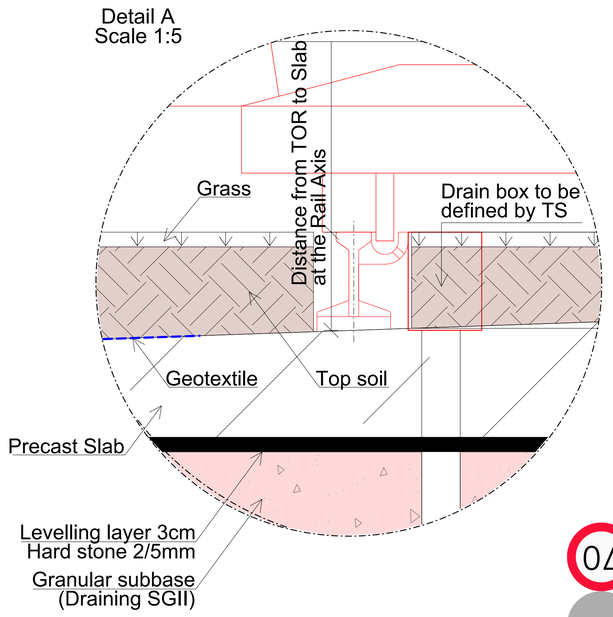

Grass track Scale 1:25

Legend:

Legend:

- Granular subbase (SGII)
- Subbase gravel (BLII)
- Filter gravel
- Slab track
- Asphalt
- Top Soil
- Grass
- TS contract
- Boundary
- Geotextile

NOTE:
Slopes for LRT:
- 1H/1V cuttings
- 2H/1V embankments
- 3H/2V ballast, granular base and subbase gravel slopes in embankment
- 1H/1V ballast, granular base and subbase gravel slopes in cuttings or next to future road/cycle lane or sidewalk

Interface with TS:

-Distance from TOR to slab (L3-PAA-GEN=Gen-RU=IFM=IME-IFM-AGR-000471)
-With groove rail: 238 mm

General notes

-Dimensions in m. unless otherwise stated.
-Surface slopes in ‰.
-This drawing is a typical cross section (general for the corridors where applicable) the specific cross sections with its finishing for each stretch and specific clearance gauge see track alignment drawings L3-PAA-PRT=XX00-GL=GEN=GEN-DES-DWG-101Y01.
Where:
XX: number of sector
Y=0 for right track, Y=1 for left track
-The rail, fastening system, drainage box and mast and its foundation shown are schematic, the details are to be defined by TS Contractor.
-The requirement for bearing capacity in embedded/non embedded and grass track are:
o Above granular subbase: Ev>120 Mpa
o Above subbase gravel Ev>60Mpa
o Above existing ground Ev>45Mpa
- For the Slab track/grass track and non embedder tracks the TS contractor will supply the rail the fastening sytem and the drain boxes, CW will construct the rest below this boundary, except for the mast foundation.
- The requirements for bearing capacity in slab track section are (in accordance with VDV 600):
o Above granular subbase Ev>120MPa
o Above subbase gravel Ev>60MPa
o Above existing ground Ev>45MPa
- In order to verify previously indicated values of E modulus of the compacted fill layers, checking tests shall be performed during the construction phase. For that purpose different direct/indirect tests methods can be used (e.g. static plate load test, continuous compaction control (CCC) method, deflectometers (LWD). The use of different methods is appropriate if during construction phase correlations/calibrations between them have been documentated and/or verified with trial sections.
-The requirement for the bearing capacity of the existing subgrade under road, bicycle path and footpath pavements is 20 Mpa. Pavement design is based on traffic (ADT) presented in table 1-A of CW-L-L3TFS-5.06 Bituminous Surfacing Technical/Functional specification.
-Refer to road pavement detail drawings for placement depths refer to road design detail drawings for edge and joint treatments which prevail over other pavements shown in these drawings
-For the slabs layout see drawings: L3-PAA-PRT=XX00-GL=GEN=GEN-DES-DWG-501001, where XX= section number.
-For the slabs installation procedure and details see drawings L3-PAA-GEN=CWL-GL=GEN=GEN-DES-DWG-501010
-For the precast slabs geometry see drawings L3-PAA-GEN=CWL-GL=GEN=GEN-DES-DWG-500101
-For the precast slabs reinforcement see drawing L3-PAA-GEN=CWL-GL=GEN=GEN-DES-DWG-501150
-For the in situ slabs geometry see drawings: L3-PAA-PRT=1600-GL=GEN=GEN-DES-DWG-50120X. Where X=1 and X=2 for the in situ in structures 6.0 and 7.1 and X=3 for the insitu in general
-For the in situ slabs reinforcement see drawings:
L3-PAA-PRT=XX00-GL=GEN=GEN-DES-DWG-501250 and
L3-PAA-PRT=XX00-GL=GEN=GEN-DES-DWG-501251 where XX: number of section
-For the embedded elements of the slabs see drawings:
L3-PAA-GEN=CWL-GL=GEN=GEN-DES-DWG-501300
-For the drainage definition see drawings
L3-PAA-RXX=XX01-RU=ROD=DRA-DES-DWG-200001-00Y where XX: number of section and Y: number of drawing sheet.
-The cable ducts distribution shown is not relevant, for cable ducts refer to cable ducts drawings.

- The SGII shall be:
o The sand equivalent shall be at least 30
o The content of uncrushed particles (round grains) shall not exceed 70% (see DS/EN 13242, category C NR/70)
o The loss by boiling according to the prVI method may not exceed 1.2 %.

-The Subbase Gravel (BL II) shall be:
o Grading: No grain size greater than 90 mm
o No more than 15% can be greater than 63 mm
o No more than 9% can be less than 0.063 mm
o Sand equivalent at least 30
o (cf. DS/EN 13285, category OC 85 and UF 9)

-For the drainage details see drawings L3-PAA-RXX=XX01-RU=ROD=DRA-DES-DWG-200001-00Y where XX: number of section and Y: number of drawing sheet.

-The geotextiles will be according to EN-13250 and EN-ISO 10318.

-The vegetation mixtures in the track zone will be:
o Masterline Ny Svingel 1,8 kg per 100 m2
o Strandsvingel 0,2 kg per 100 m2
o NPK 20-3-10 (lawn fertilizer) 4 kg per 100 m2

This drawing has been printed from PDF-format - the scale cannot be expected to be correct.

Issued For Construction

Ver.	Date	Description	Prepared	Checked	Approved
5.0	2020-05-20	Final submission	JPV	MMM	AVM
4.0	2020-03-20	Final submission	JPV	MMM	AVM
3.0	2019-12-17	Final submission	JPV	MMM	AVM
2.0	2019-10-03	Final submission	JPV	MMM	AVM
1.0	2019-07-25	First submission	JPV	MMM	TWST

Hovedstadens Letbane
CW-L

Issued for construction	Prepared	JPV
P15-P18	Designed	JVB
Yellow Footprint	Checked	MMM
Yellow Footprint	Approved	AVM
TCS - Grass track	Scale	As Shown
Description	Date	2020-08-21
Issued for construction	Document No.	Ver.
AARSLEFF IME	L3-PAA-GEN=CWL-GL=GEN=GEN-DES-DWG-101001-008	6.0

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