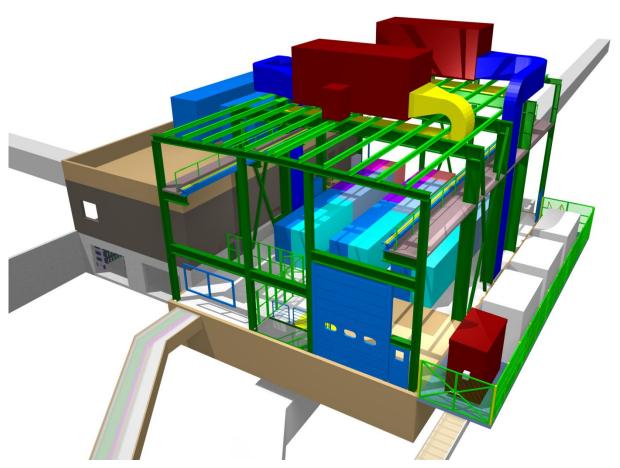
## Building 245 (MPSB)

- Civil Engineering -

- Summary
- Technical Description
- Works schedule
- Status on September 28th 2014
- Cost estimate



## **Technical Description**

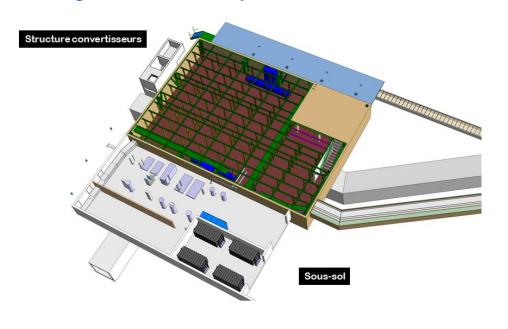


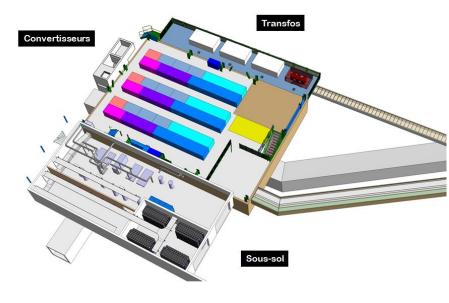


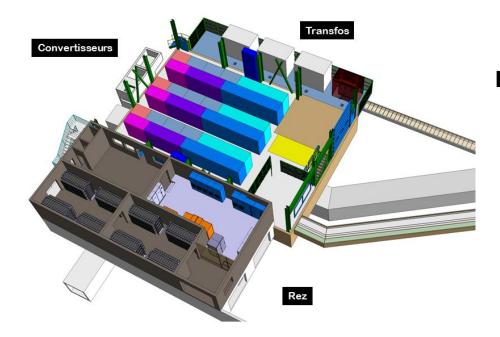


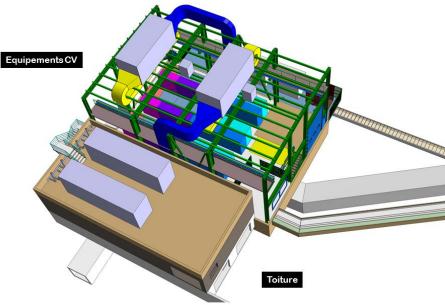
EDMS: 1364314

#### Integration frozen by users and services

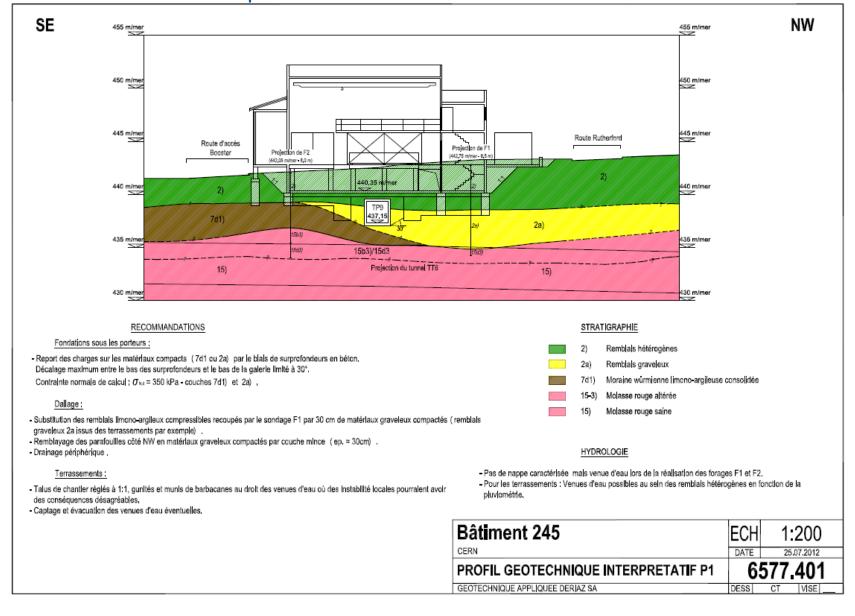






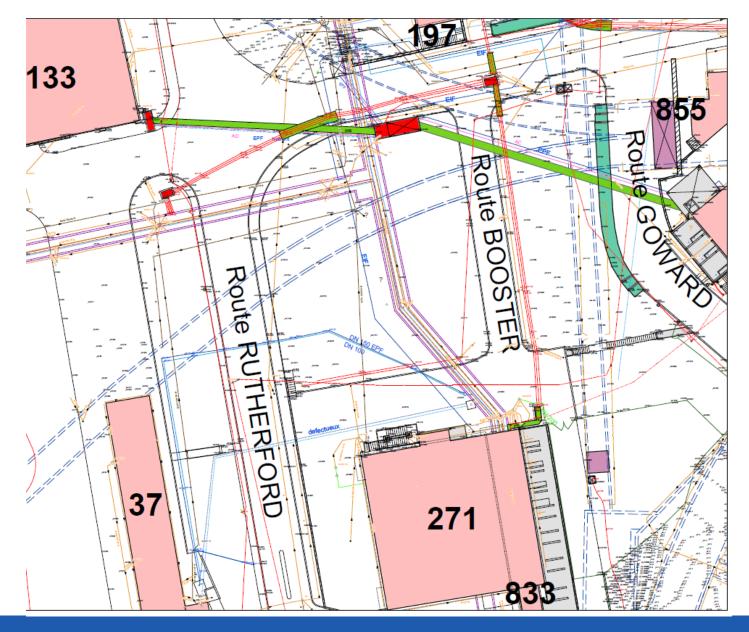


#### Ground conditions → Deep foundations needed



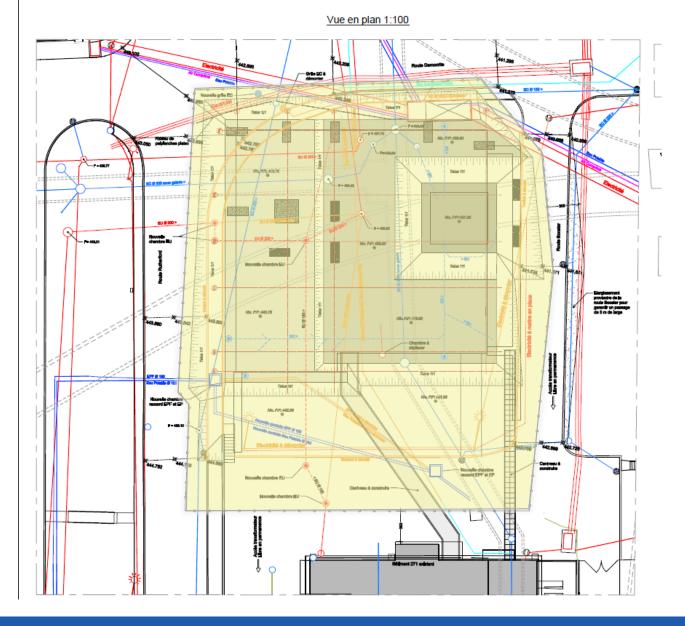


Existing buried networks: CV and EL services, technical gallery TP9, tunnel TT6

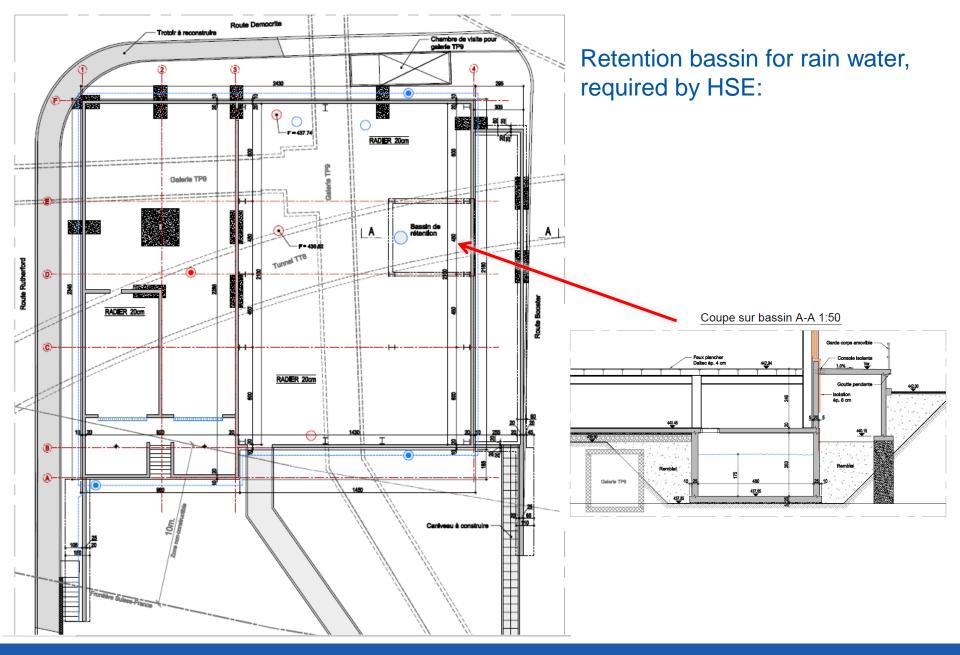




#### Very limited site area: one line for traffic on roads Rutherford, Democrite and Booster

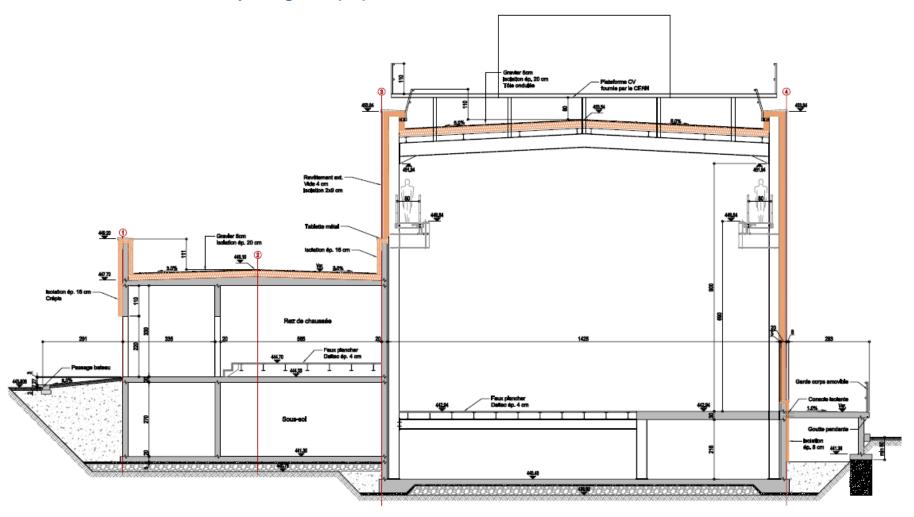






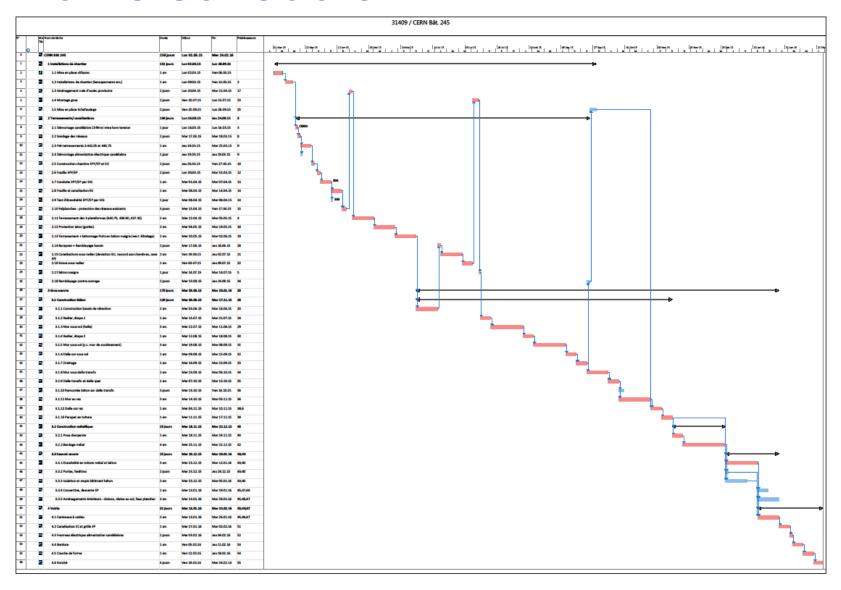


#### Cross-Section: Very large equipment for CV on the roof:



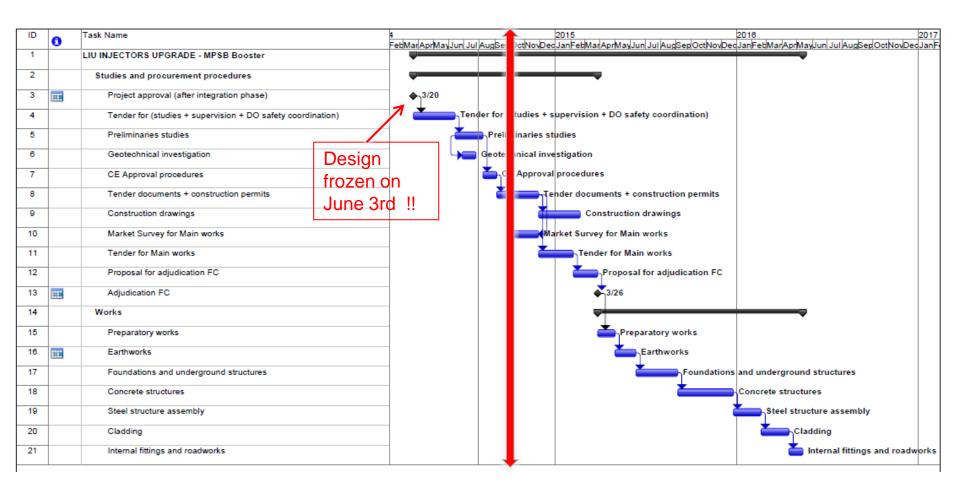


### Works schedule





# Status on September 25<sup>th</sup>





## Cost Estimate for CE

•	Earthworks	510,000
•	Concrete works	575,000
•	Steel frame structure	500,000
•	Cladding & Roofing	446,250
•	Road works & landscaping	238,750
•	Studies & supervision	227,000
•	<u>Total</u>	2,497,000
•	Contingency CE (15%)	374,550

**TOTAL** (+/-20%)

2,871,550 CHF

Nota  $\rightarrow$  cost estimate in january 2014: 2,827,625 (TE/EPC) + 677,745 (EN/CV) = **3,505,370 chf** 



# Thank you for your attention Any question?

