

Radio Network Plan

New Tunnel

NYGÅRDSTUNNELEN

Version 1 – 17.03.25

Project	TC0771_NYGAARDSTUNNELEN
Site ID	

Revision History

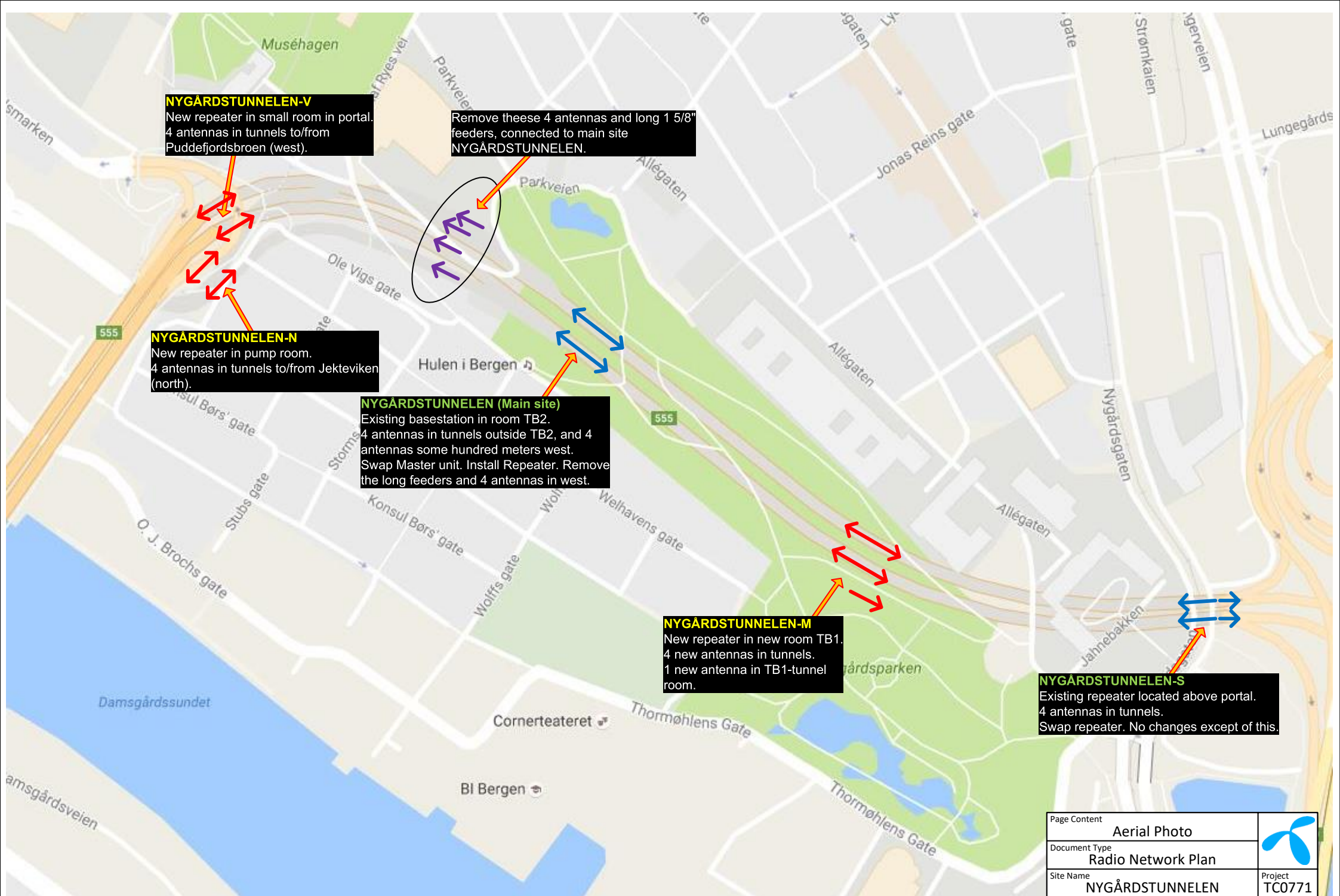
Document Type	Version	Change Description	Updated by	Date
RNP	1	Initial	Sindre Lande	17.03.2025

Nygårdstunnelen will be renovated during 2026.
The purpose of this project is to use the opportunity when tunnel is renovated, to improve coverage, and to swap repeater equipment from Cobham to Maven.

Basestation equipment is already swapped from Huawei to Ericsson in project NR9181 during 2025.



Page Content			
Overview Map			
Document Type			
Radio Network Plan			
Site Name			Project
NYGÅRDSTUNNELEN			TC0771
Site ID	Version	Date	Page #
	1	17.03.25	2 / 10



NYGÅRDSTUNNELEN-V
New repeater in small room in portal.
4 antennas in tunnels to/from
Puddefjordsbroen (west).

Remove these 4 antennas and long 1 5/8"
feeders, connected to main site
NYGÅRDSTUNNELEN.

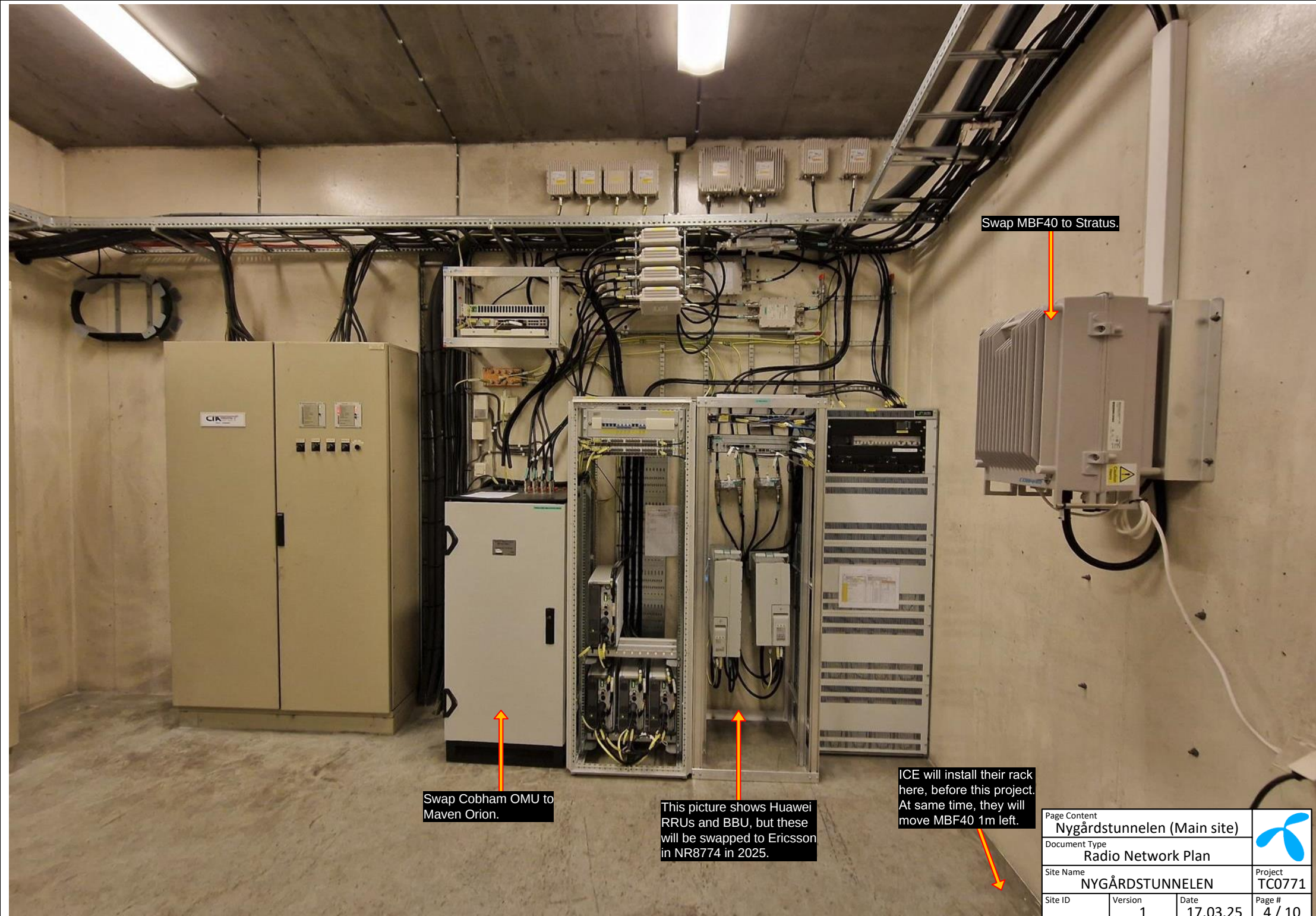
NYGÅRDSTUNNELEN-N
New repeater in pump room.
4 antennas in tunnels to/from Jekteviken
(north).

NYGÅRDSTUNNELEN (Main site)
Existing basestation in room TB2.
4 antennas in tunnels outside TB2, and 4
antennas some hundred meters west.
Swap Master unit. Install Repeater. Remove
the long feeders and 4 antennas in west.

NYGÅRDSTUNNELEN-M
New repeater in new room TB1.
4 new antennas in tunnels.
1 new antenna in TB1-tunnel
room.

NYGÅRDSTUNNELEN-S
Existing repeater located above portal.
4 antennas in tunnels.
Swap repeater. No changes except of this.

Page Content			
Aerial Photo			
Document Type			Project
Radio Network Plan			
Site Name			TC0771
NYGÅRDSTUNNELEN			
Site ID	Version	Date	Page #
	1	17.03.25	3 / 10



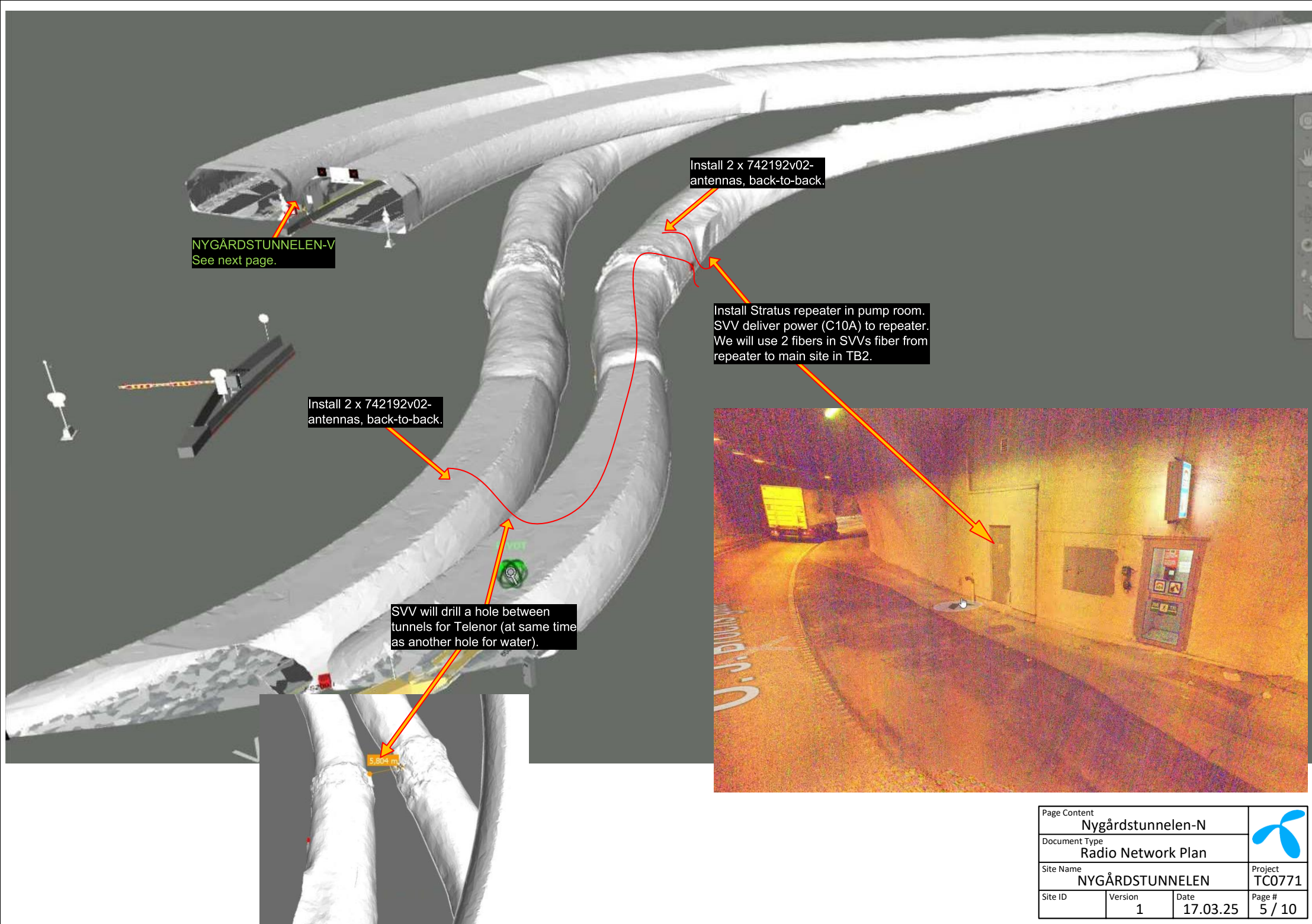
Swap Cobham OMU to
Maven Orion.

This picture shows Huawei
RRUs and BBU, but these
will be swapped to Ericsson
in NR8774 in 2025.

ICE will install their rack
here, before this project.
At same time, they will
move MBF40 1m left.

Swap MBF40 to Stratus.

Page Content			
Nygårdstunnelen (Main site)			
Document Type			
Radio Network Plan			
Site Name			Project
NYGÅRDSTUNNELEN			TC0771
Site ID	Version	Date	Page #
	1	17.03.25	4 / 10



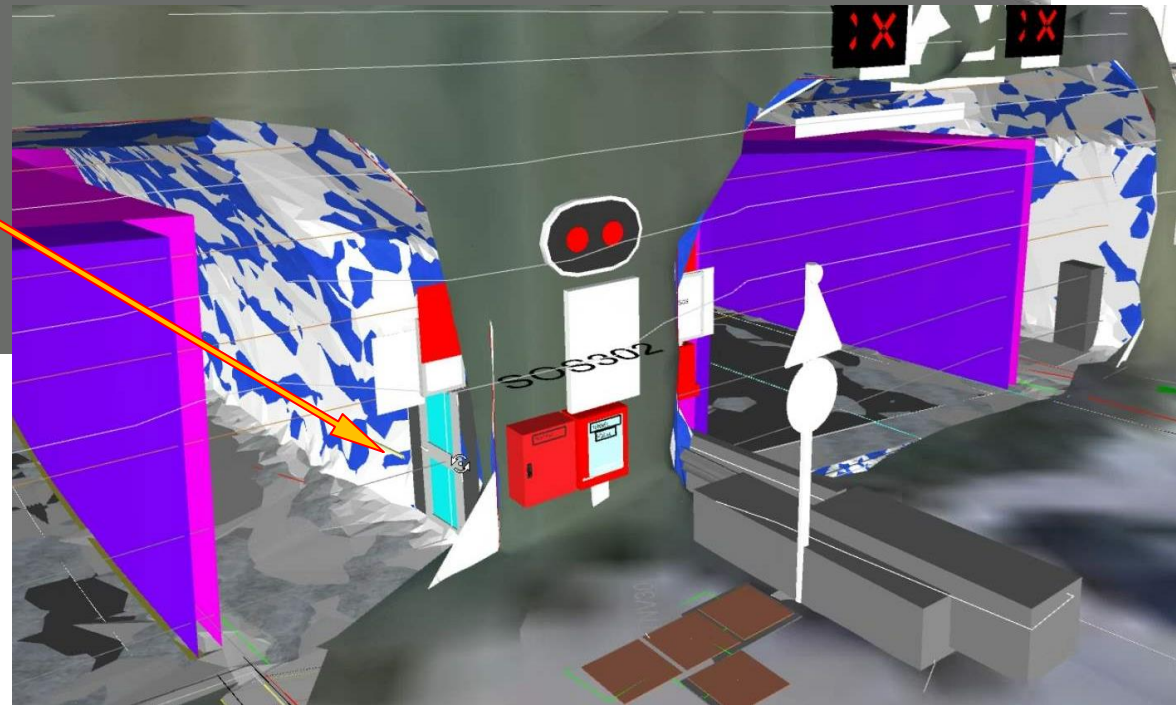
Page Content			
Nygårdstunnelen-N			
Document Type			
Radio Network Plan			
Site Name			Project
NYGÅRDSTUNNELEN			TC0771
Site ID	Version	Date	Page #
	1	17.03.25	5 / 10

Install 2 x 742192v02-
antennas, back-to-back.

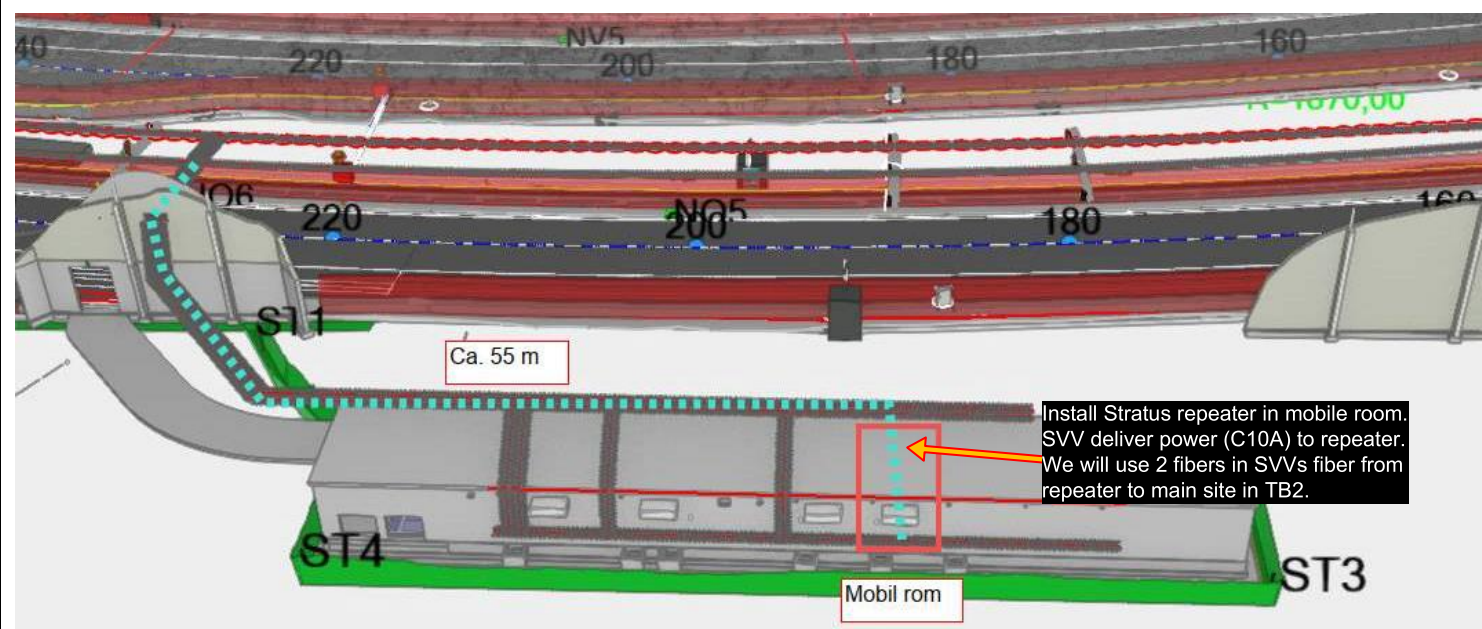
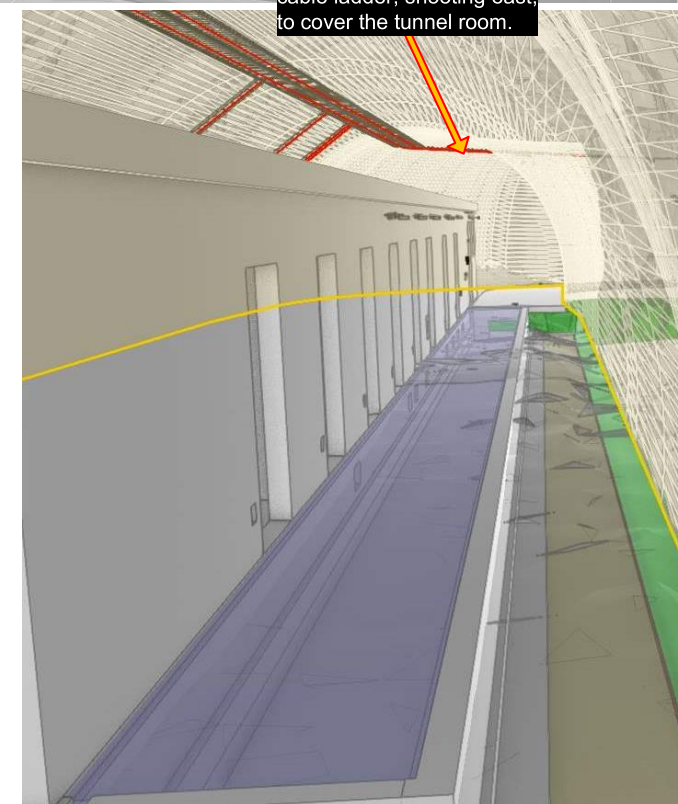
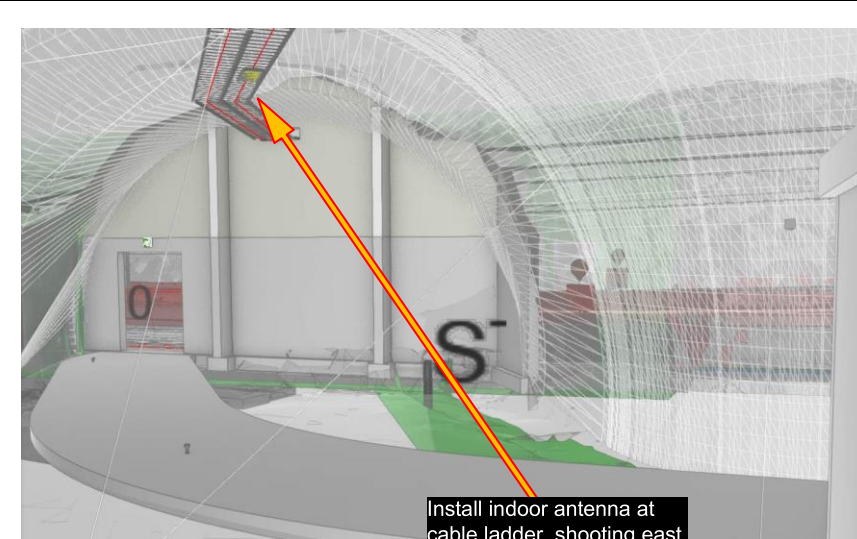
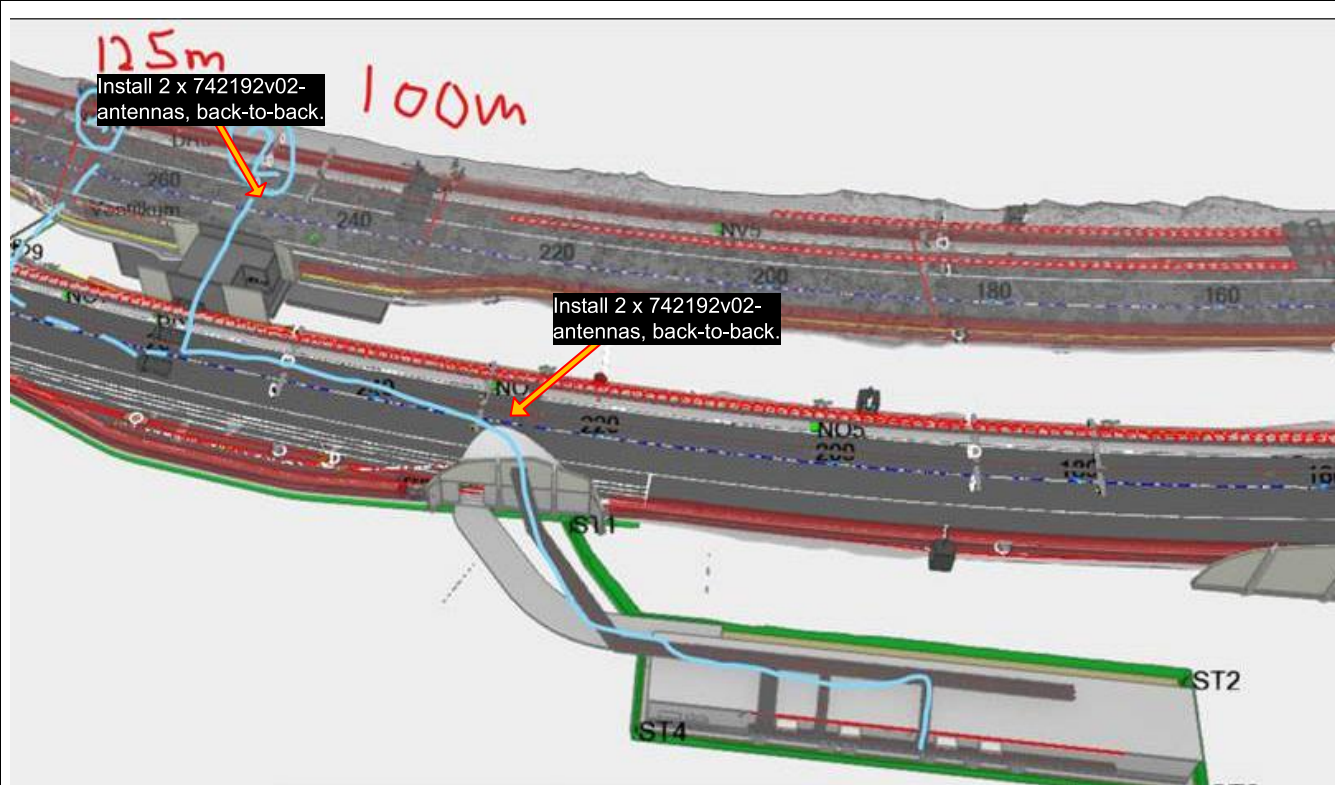
Install 2 x 742192v02-
antennas, back-to-back.

NYGÅRDSTUNNELEN-N
See last page.

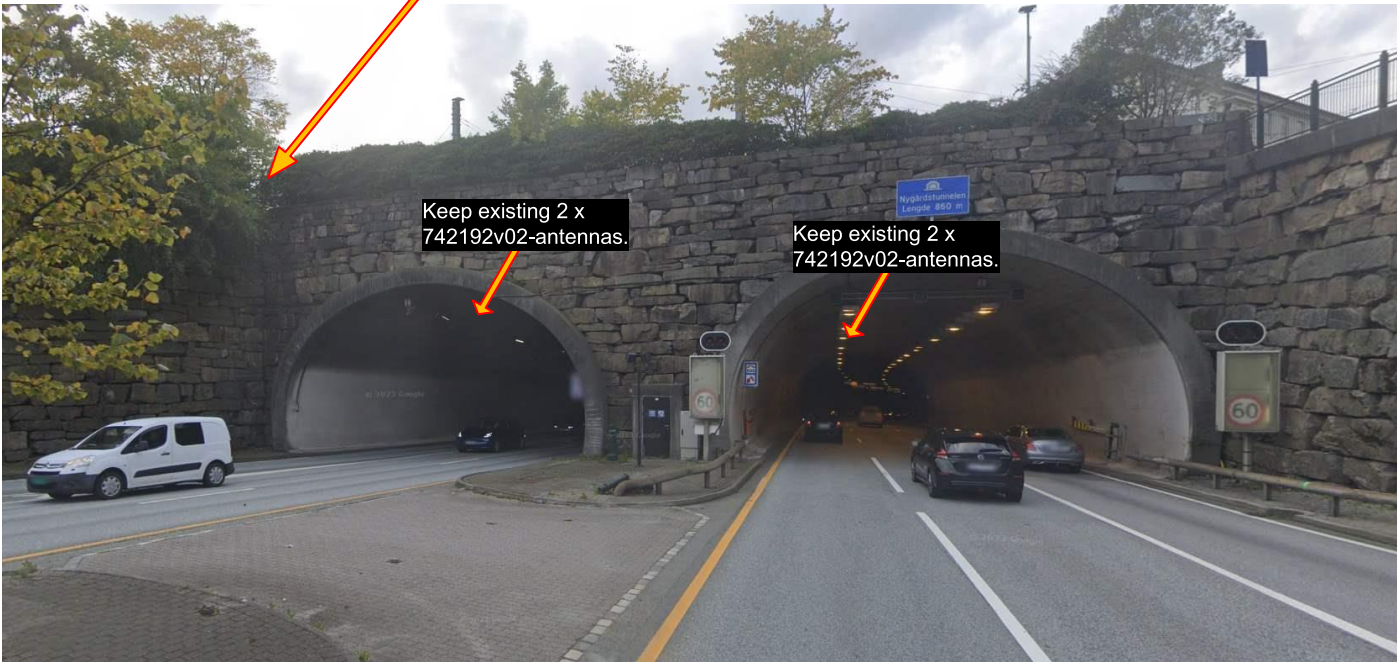
Install Stratus repeater in this room.
SVV deliver power (C6A) to repeater.
We will use 2 fibers in SVVs fiber from
repeater to main site in TB2.



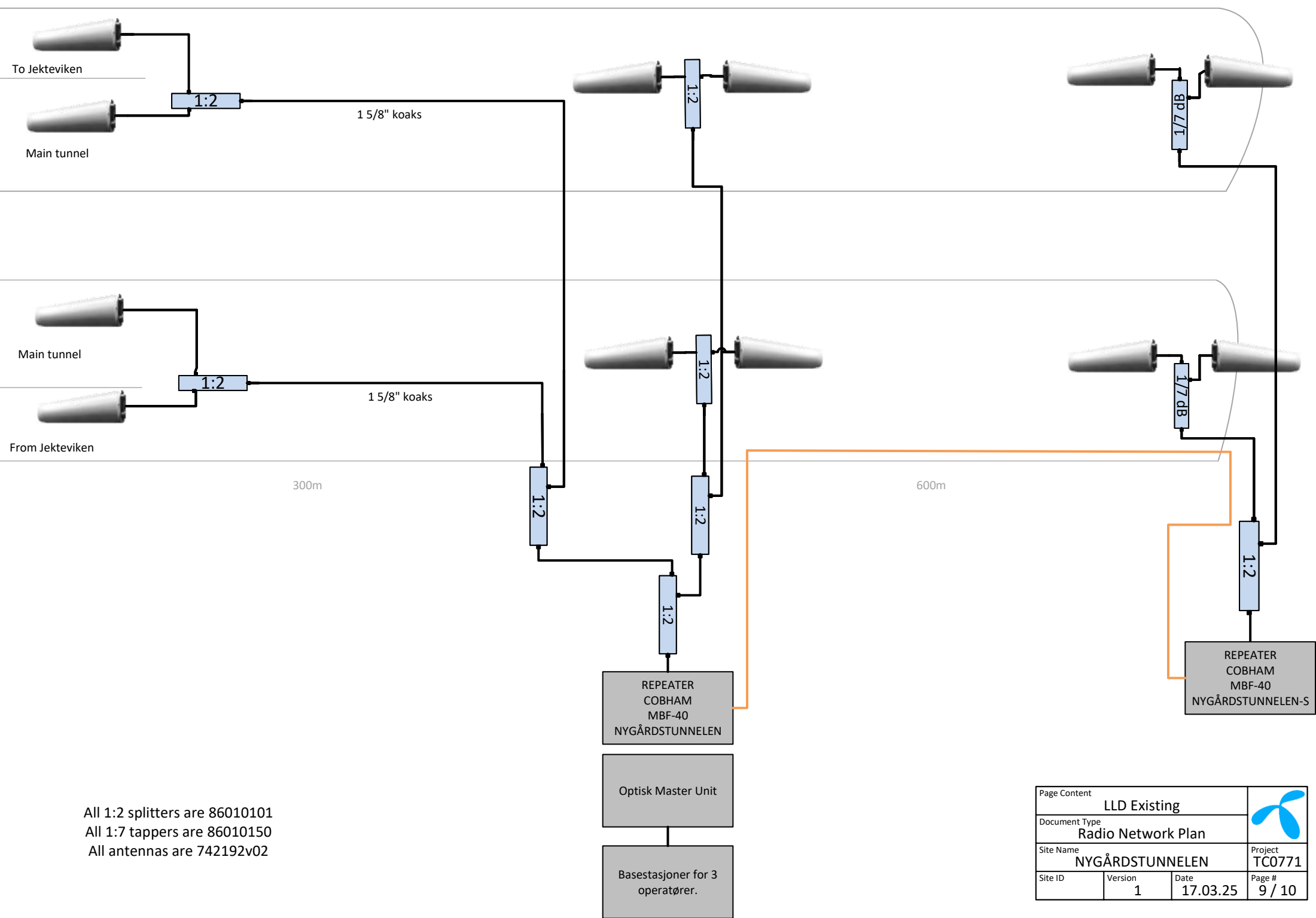
Page Content			
Nygårdstunnelen-V			
Document Type			Project TC0771
Radio Network Plan			
Site Name			
NYGÅRDSTUNNELEN			
Site ID	Version	Date	Page #
	1	17.03.25	6 / 10



Page Content			
Nygårdstunnelen-M			
Document Type			
Radio Network Plan			
Site Name			
NYGÅRDSTUNNELEN			Project
TC0771			
Site ID	Version	Date	Page #
	1	17.03.25	7 / 10

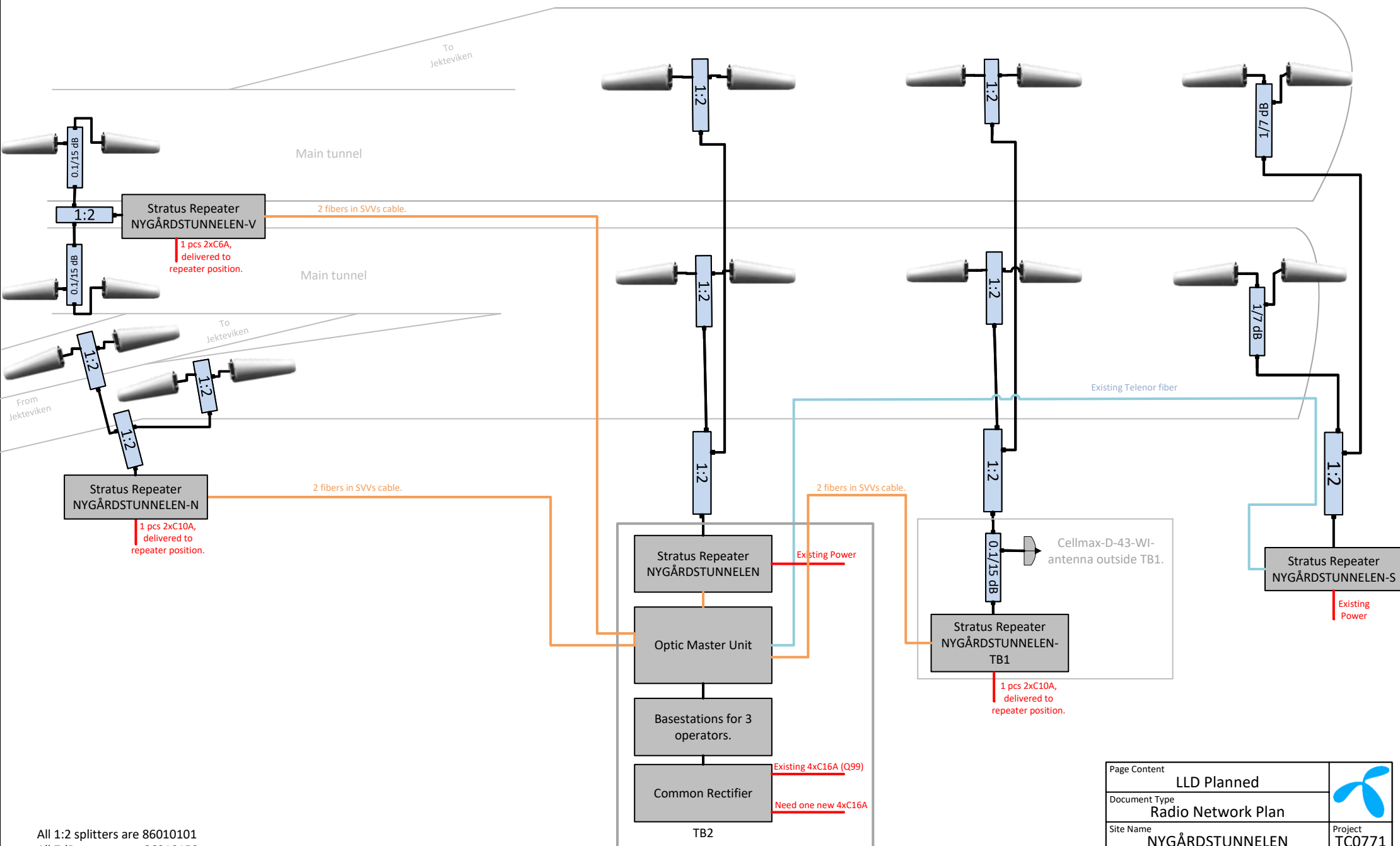


Page Content			
Nygårdstunnelen-S			
Document Type			Project TC0771
Radio Network Plan			
Site Name			Page # 8 / 10
NYGÅRDSTUNNELEN			
Site ID	Version	Date	
	1	17.03.25	



All 1:2 splitters are 86010101
All 1:7 tappers are 86010150
All antennas are 742192v02

Page Content			
LLD Existing			
Document Type			
Radio Network Plan			
Site Name			Project
NYGÅRDSTUNNELEN			TC0771
Site ID	Version	Date	Page #
	1	17.03.25	9 / 10



All 1:2 splitters are 86010101
 All 7dB tappers are 86010150
 All 15dB tappers are 86010152
 All antennas are 742192v02

Page Content			
LLD Planned			
Document Type			
Radio Network Plan			
Site Name			Project
NYGÅRDSTUNNELEN			TC0771
Site ID	Version	Date	Page #
	1	17.03.25	10 / 10