

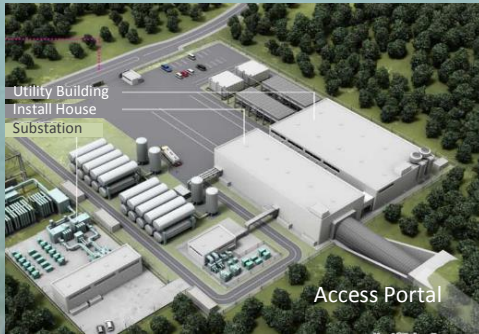
# Accelerator Layout

Masanobu Miyahara  
International Linear Collider (ILC) -CFS

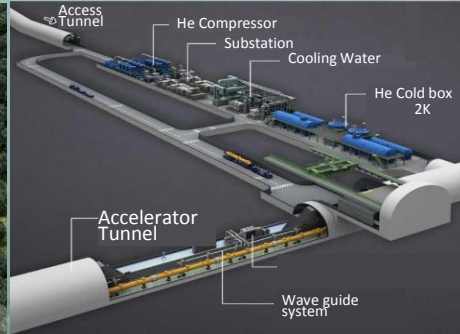
# Access Facilities Layout

*Mountain site Image*

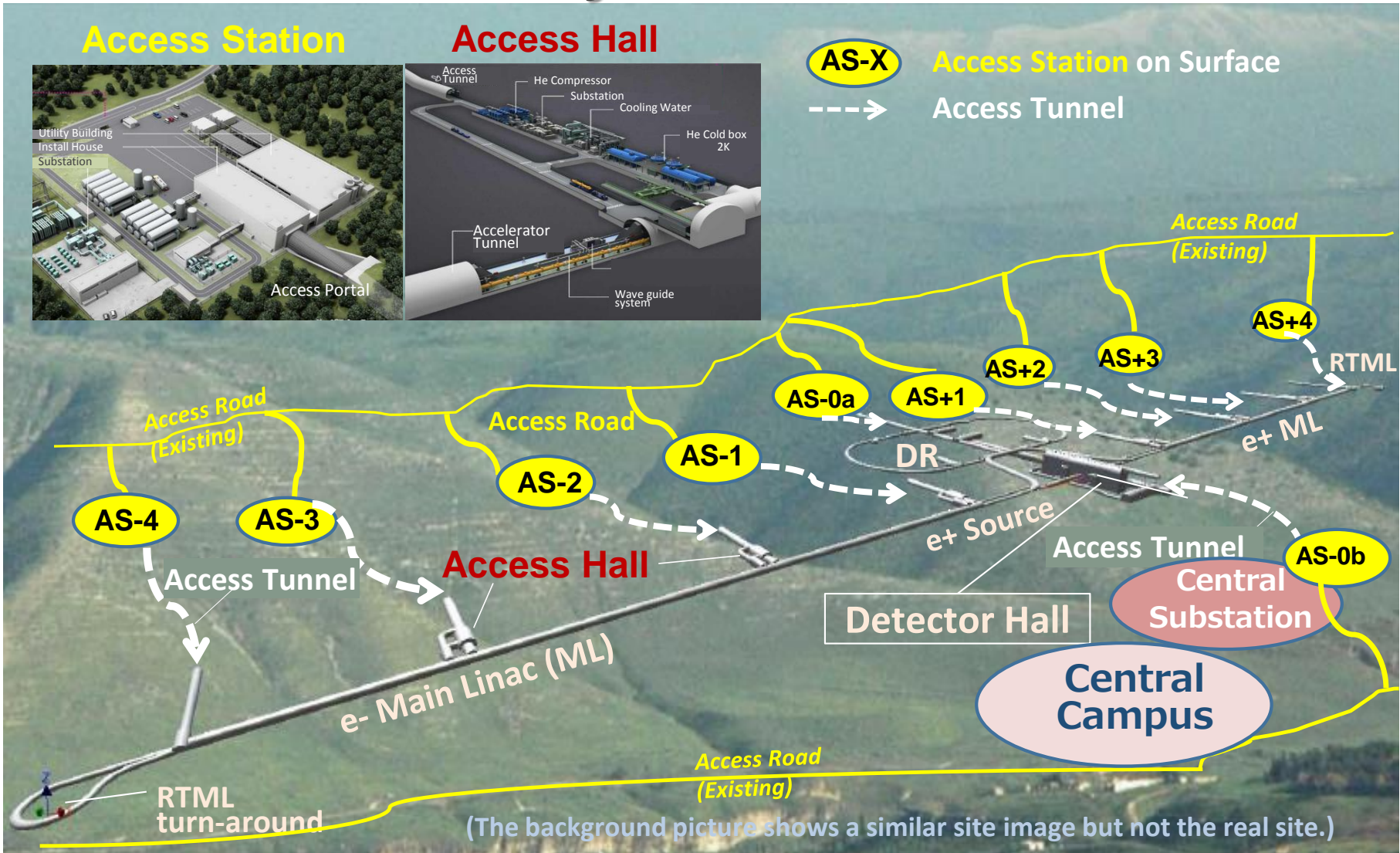
## Access Station



## Access Hall

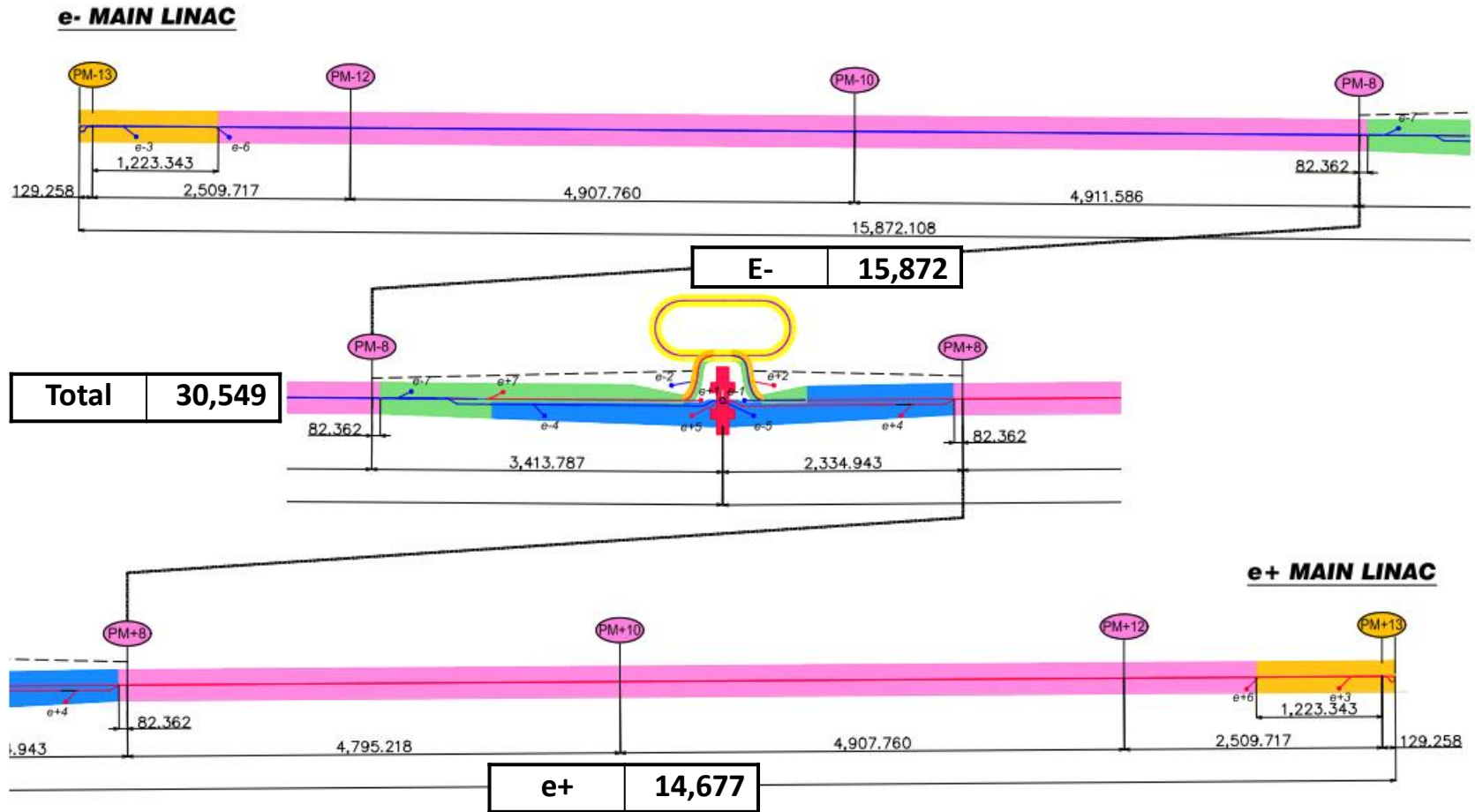


**AS-X** Access Station on Surface  
 ---> Access Tunnel



(The background picture shows a similar site image but not the real site.)

# ML Tunnel Length: TDR Baseline



# CFS Work for Change Requests

Change Request proposed

1. Detector Hall with Vertical Shaft access (CR-0003)
2. Extension of the ML-tunnel length (CR-0004)

Change Request anticipated in Future

1. ML Shield-wall thickness
2. BDS Tunnel configuration
3. Cryogenics Layout

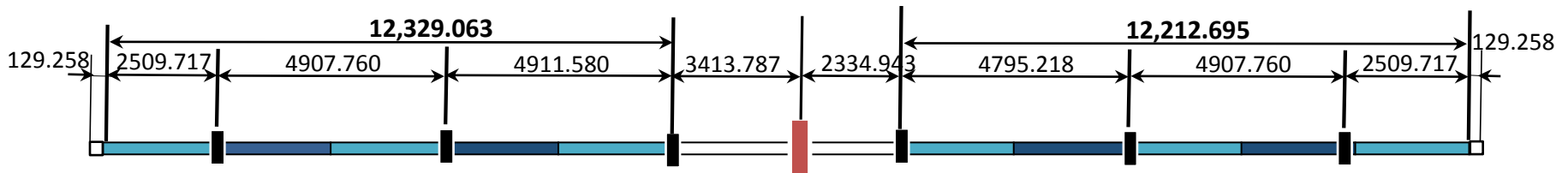
# Extension of the ML Tunnel

ILC-CR-0004

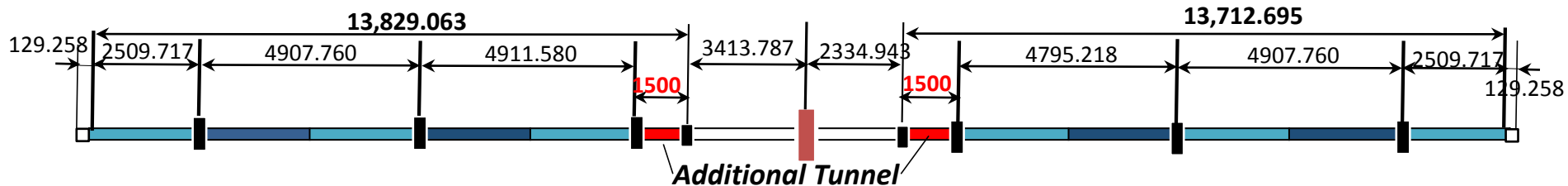
- Change Review Panel Members: V.Kuchler
- Current Status: Under Discussion Change Implementation Team

## TDR Baseline

*Under Discussion*



## New Baseline

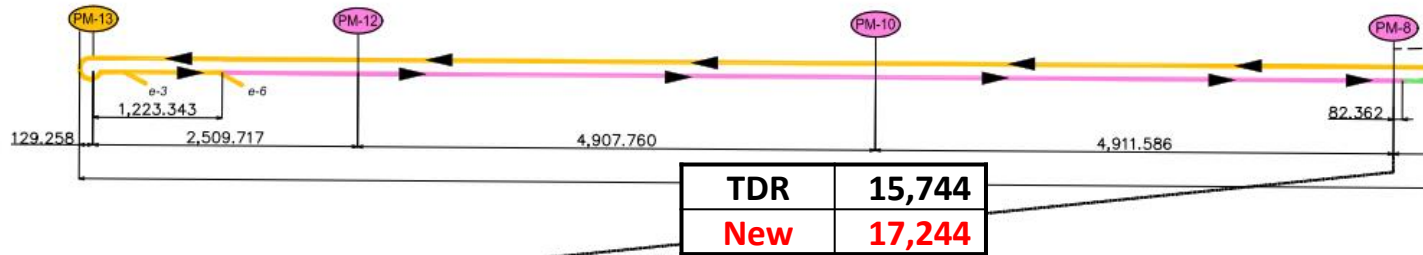




# Summary of ML Layout in TDR

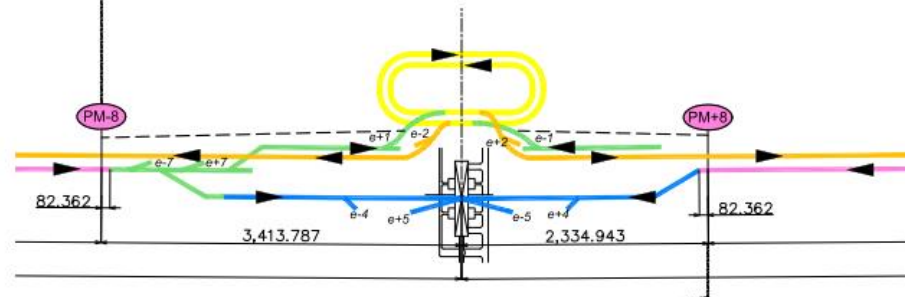
## e<sup>-</sup> MAIN LINAC

### e<sup>-</sup> MAIN LINAC



Total

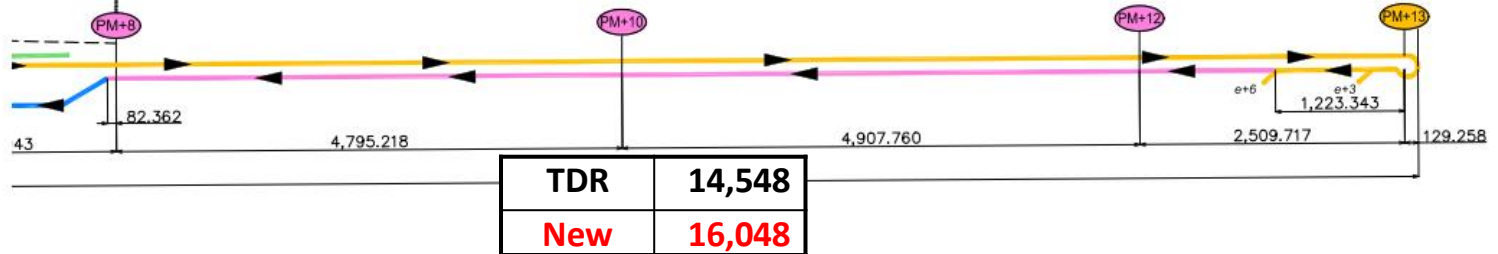
TDR	30,292
New	33,292



- LEGEND**
- RTML
  - ML
  - SOURCES
  - DR
  - BDS
  - DETECTOR AREA
  - SERVICE TUNNEL
  - SERVICE TUNNEL
  - BEAM DIRECTION

## E<sup>+</sup> MAIN LINAC

### e<sup>+</sup> MAIN LINAC



# Location of the each Access point (TDR & New Baseline)

## Distance from IP

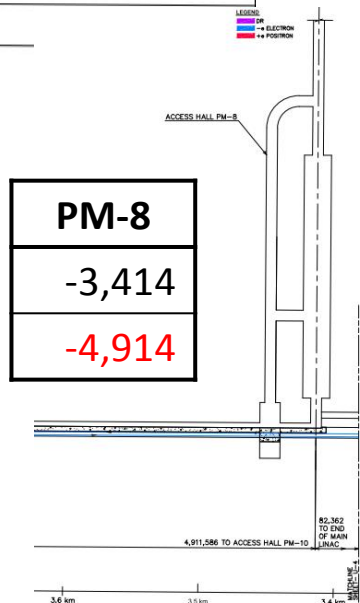
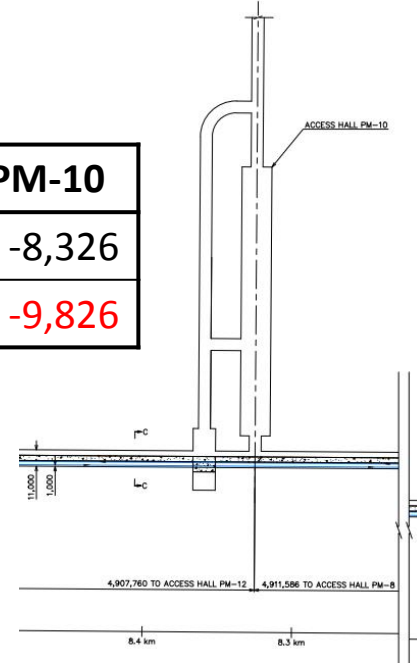
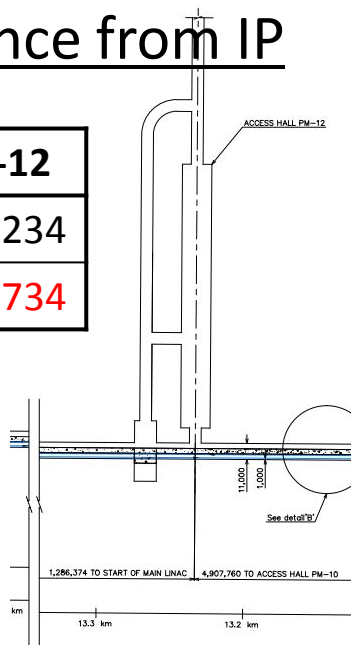
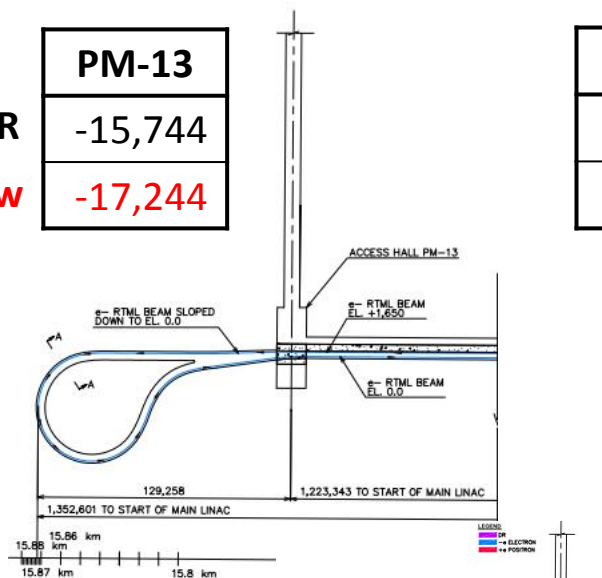
TDR

New

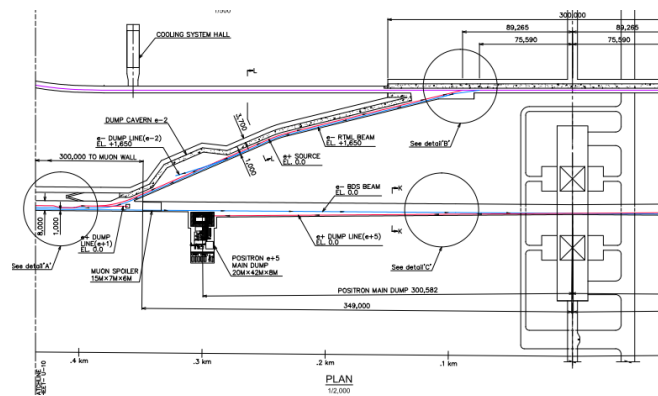
<b>PM-13</b>
-15,744
-17,244

<b>PM-12</b>
-13,234
-14,734

<b>PM-10</b>
-8,326
-9,826



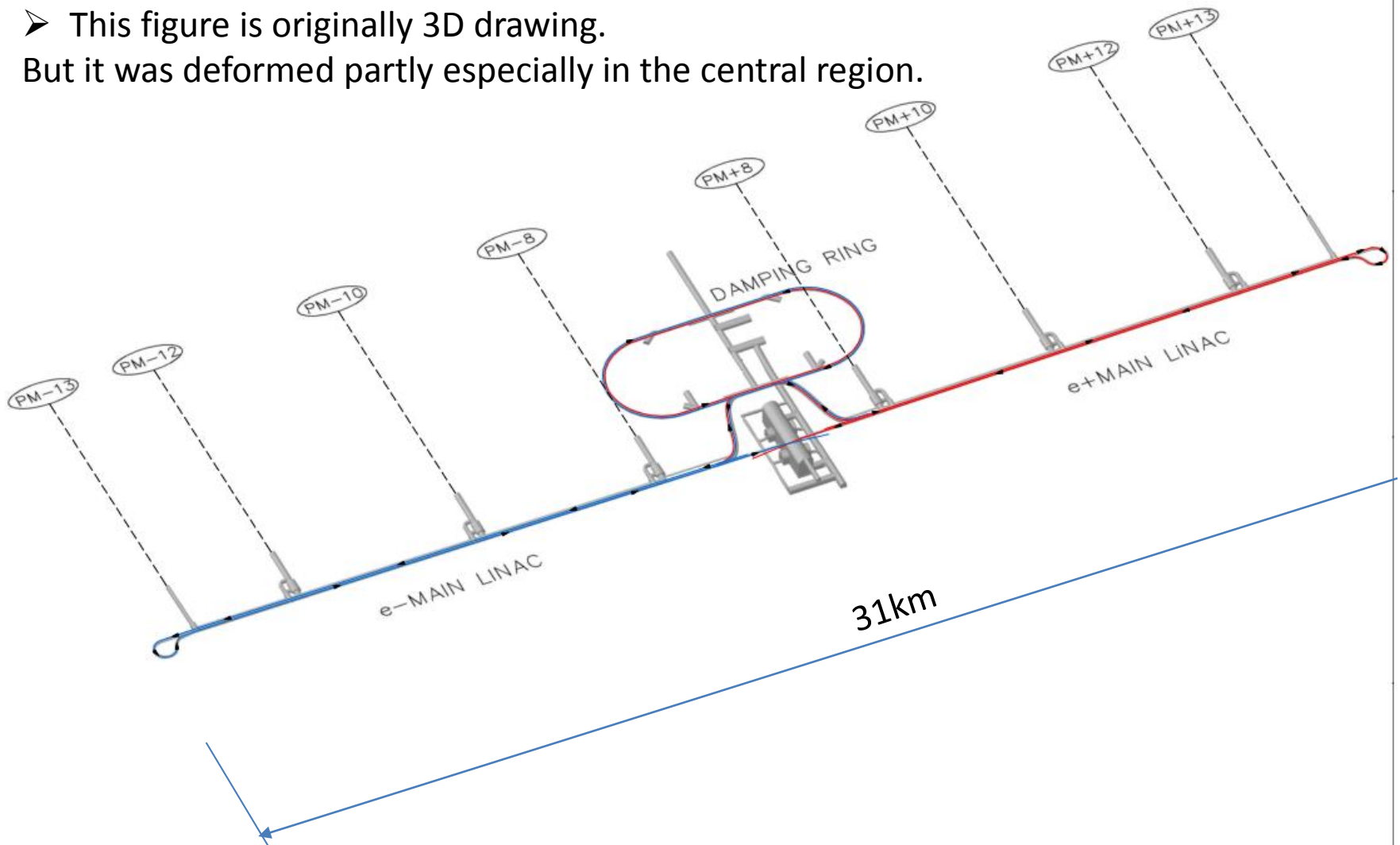
<b>PM-8</b>
-3,414
-4,914



# Isometric Key Plan -TDR Baseline

## Fig.-1

➤ This figure is originally 3D drawing.  
But it was deformed partly especially in the central region.





# ILC Facilities Layout 3D Image

## Real size drawing (PDF)

