

“Development of a technology to investigate inside the Reactor Primary Containment Vessel (PCV)”

- Results of follow up check after the site test -

[For April 18 and 19, 2015]

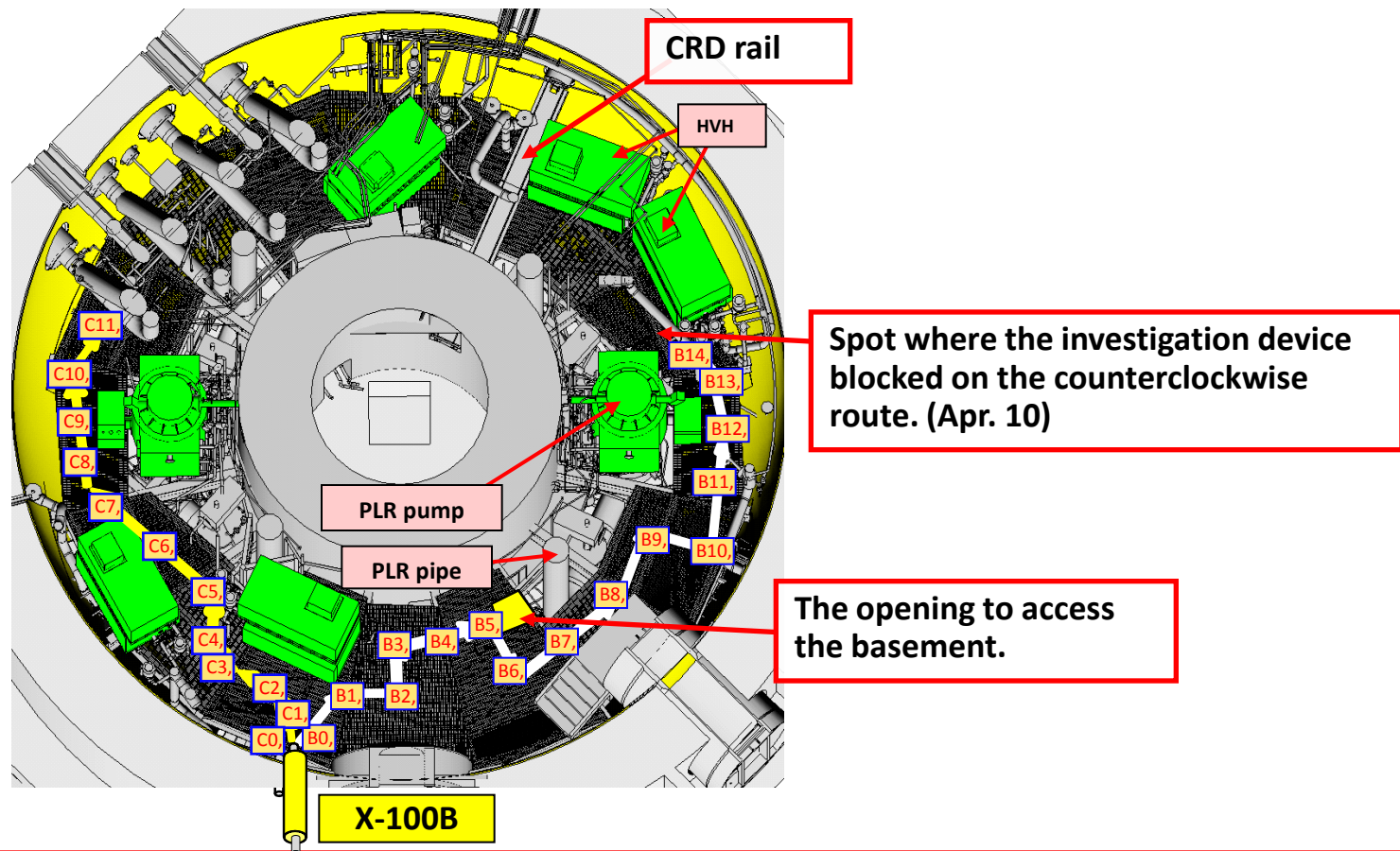
April 20, 2015

Tokyo Electric Power Company

1. Check items

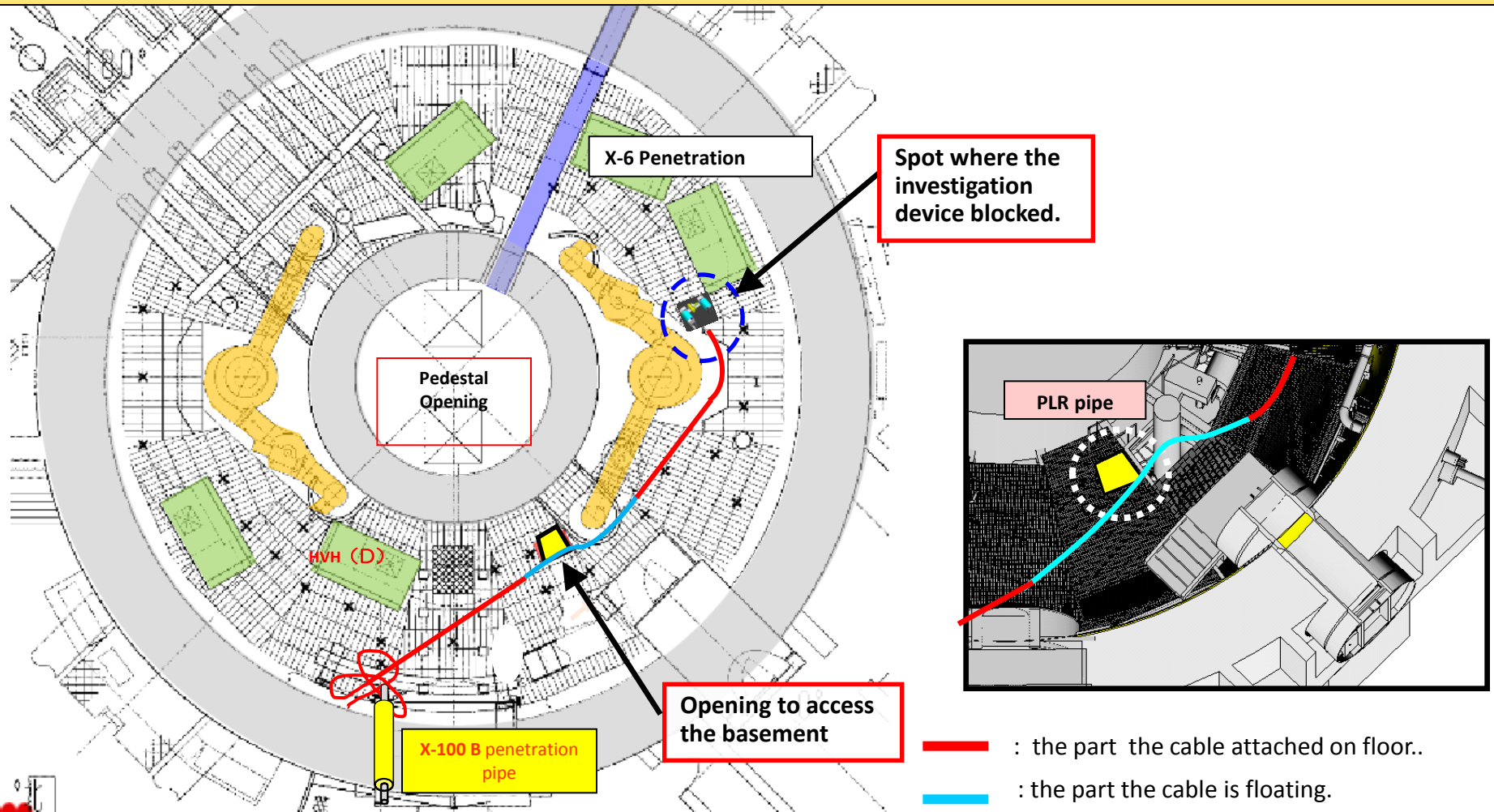
The following items were checked on the counterclockwise route.

- Route of remaining cable,
- Degree of interference of remained cables at the opening to access the basement,
- Status of the investigation device blocked in the vessel, and
- Access route to the CRD rail.



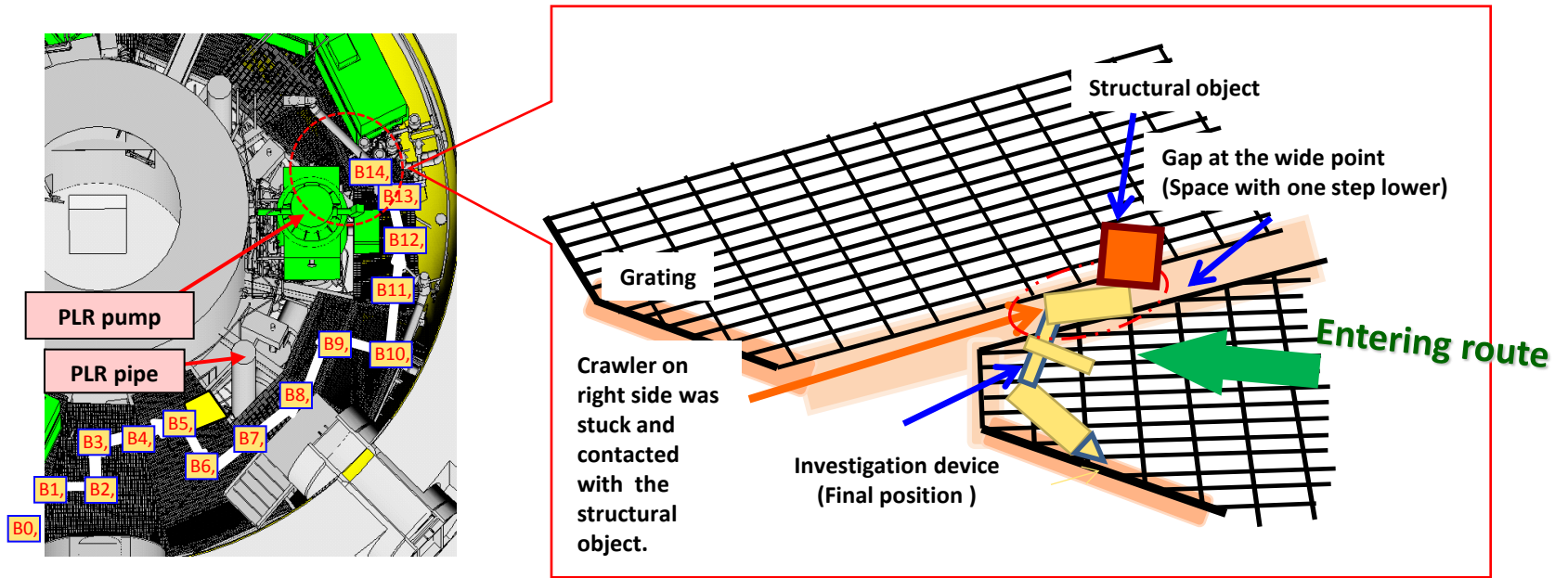
2. Status of the cable remained

- The route of remaining cables is shown as below.
- **It was confirmed that** the remaining cable around the opening to access the basement **will be no obstacle to B2 investigation.**



3. Status of the investigation device blocked

The situation of the investigation device blocked is shown as below, which is almost compatible with what has been assumed.

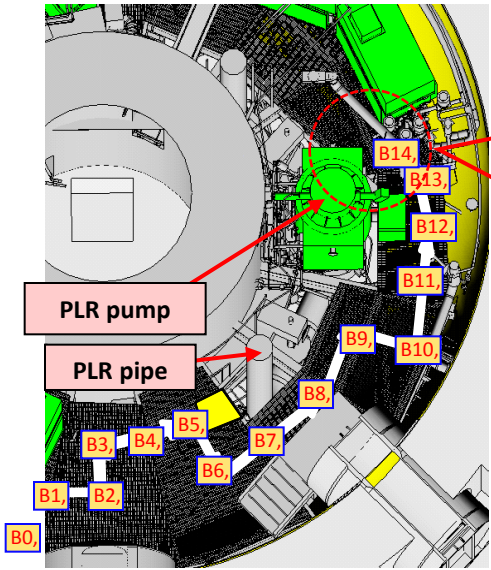


Images captured by the investigation device

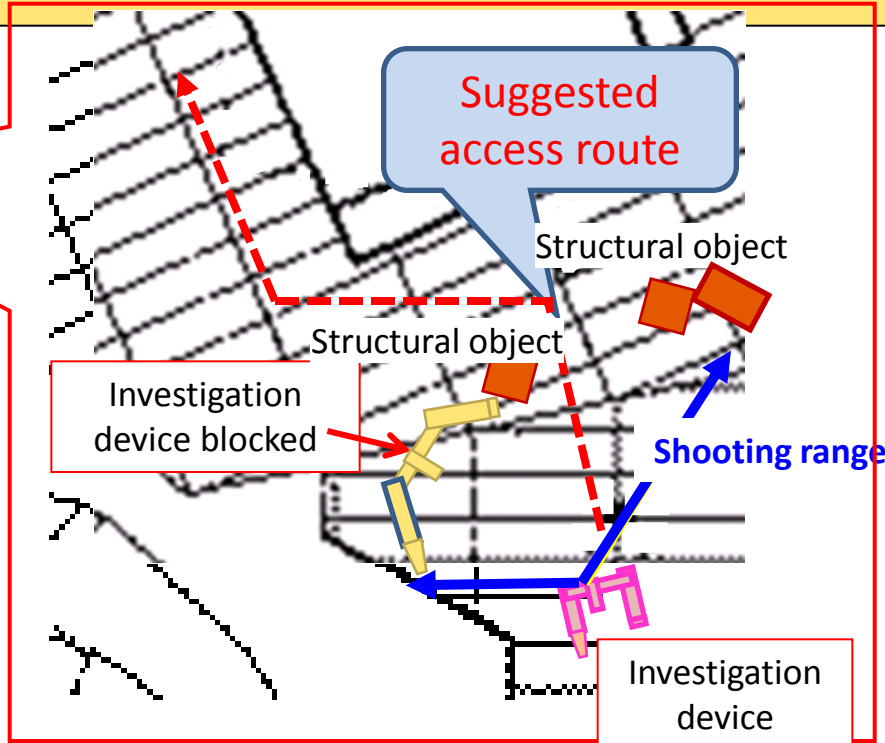


4. Check on the access route to CRD rail

It was judged that the suggested access route to CRD rail would be **too narrow to get the device pass through between the two structural objects.**

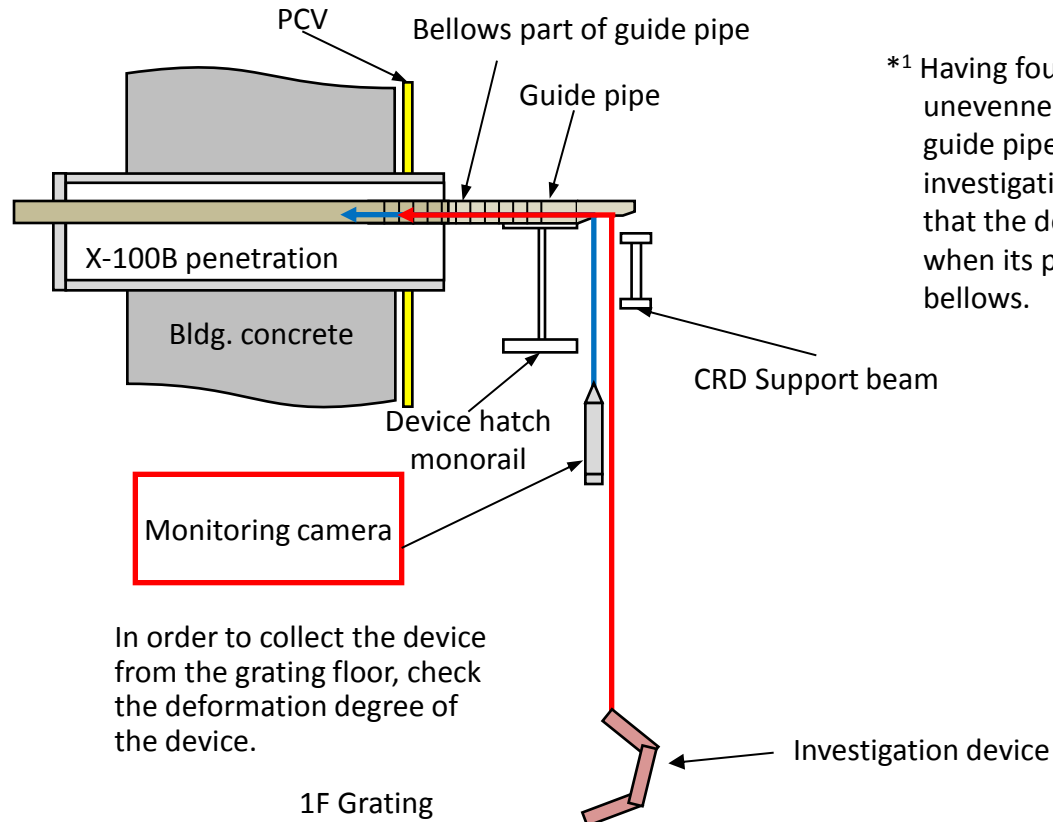


Images captured by the investigation device



5. Collection of the investigation device

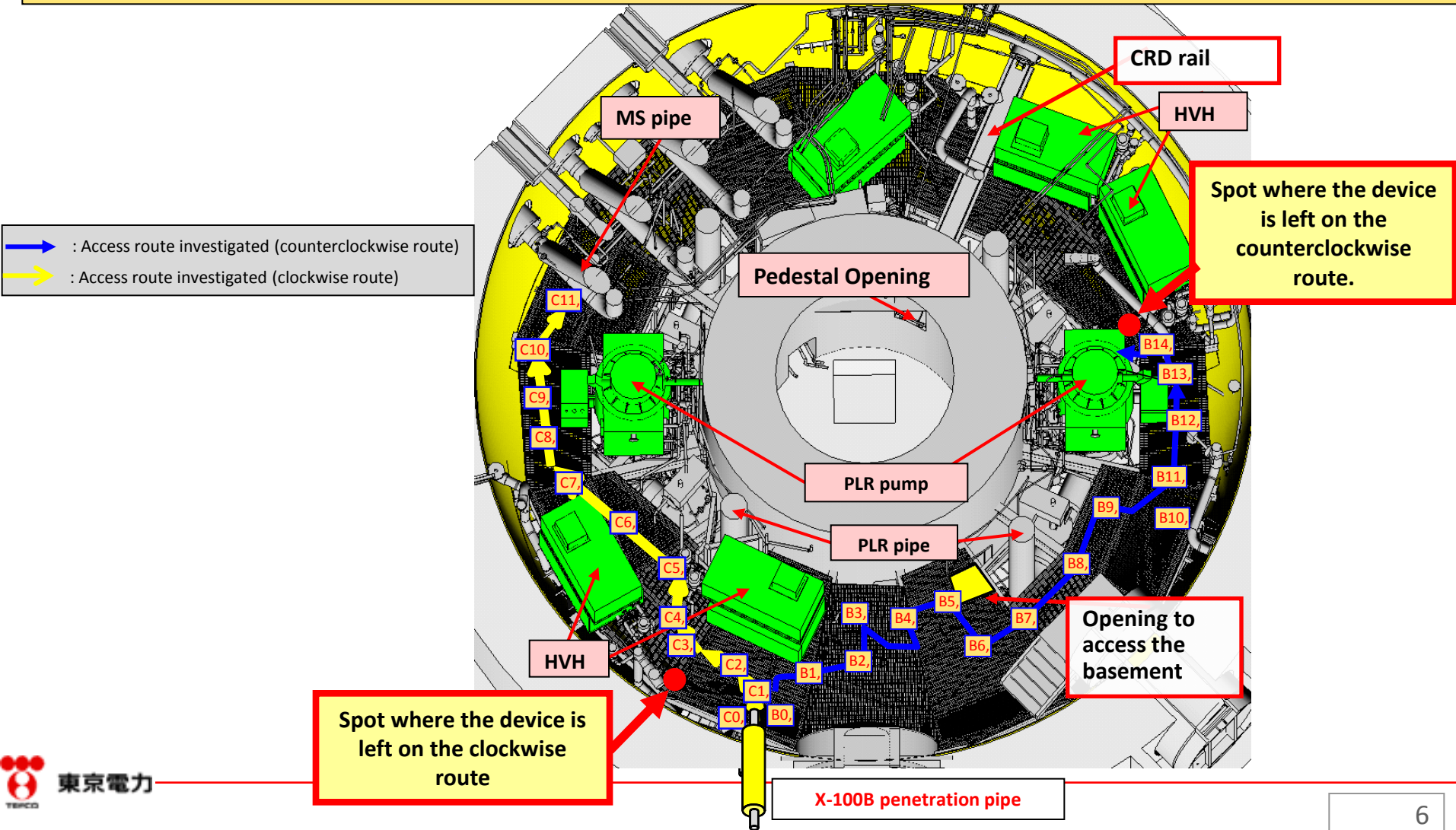
- Earning information inside the reactor primary containment vessel, which is the main purpose of this investigation, has been achieved.
- Due to the deterioration of the monitoring camera with radiation, it became disabled to perform a deformation check on the device. Accordingly, the collection of the device to outside the reactor primary containment vessel has been judged as risky. (*1)



*1 Having found that there is a slight unevenness at the bellows part of guide pipe when inserting the investigation device, there is a risk that the device might get stuck when its passing through the bellows.

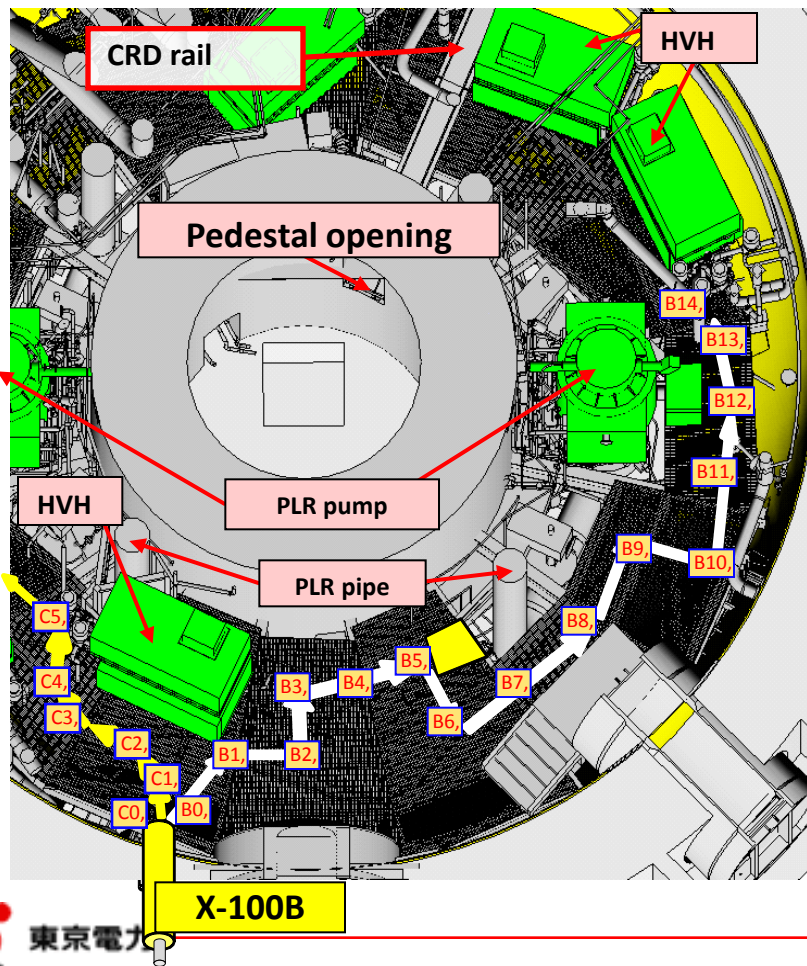
6. Leaving the investigation device

- Locations where the devices are left are shown as below. Those are places that are able to retain the devices in a stable state.
- The remaining devices will be no obstacle to B2 investigation.



(Reference) Measurement on temperature/ dose rate

Temperature and dose rate were measured at the following points.



Measurement taken: April 19, 2015

| | Dose rate (Sv/h) | Temperature (°C) |
|-------------------------|------------------|------------------|
| Around B14 | 4.4 | 17.9 |
| Around B11 | 5.7 | 18.7 |
| Around B7 | 5.9 | 19.1 |
| Final point (around C3) | 4.1 | 20.4 |