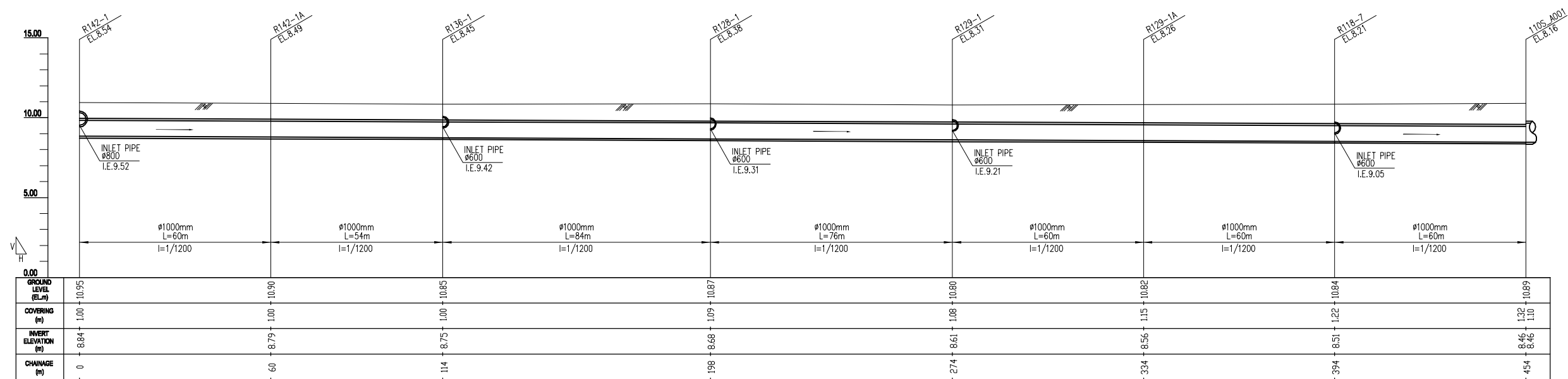
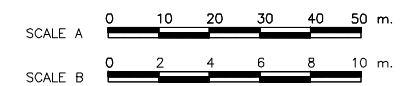


**PLAN** (Manhole No. fr. R142-1 to 110S\_A001)  
SCALE A



**PROFILE** (Manhole No. fr. R142-1 to 110S\_A001)  
H: SCALE A V: SCALE B

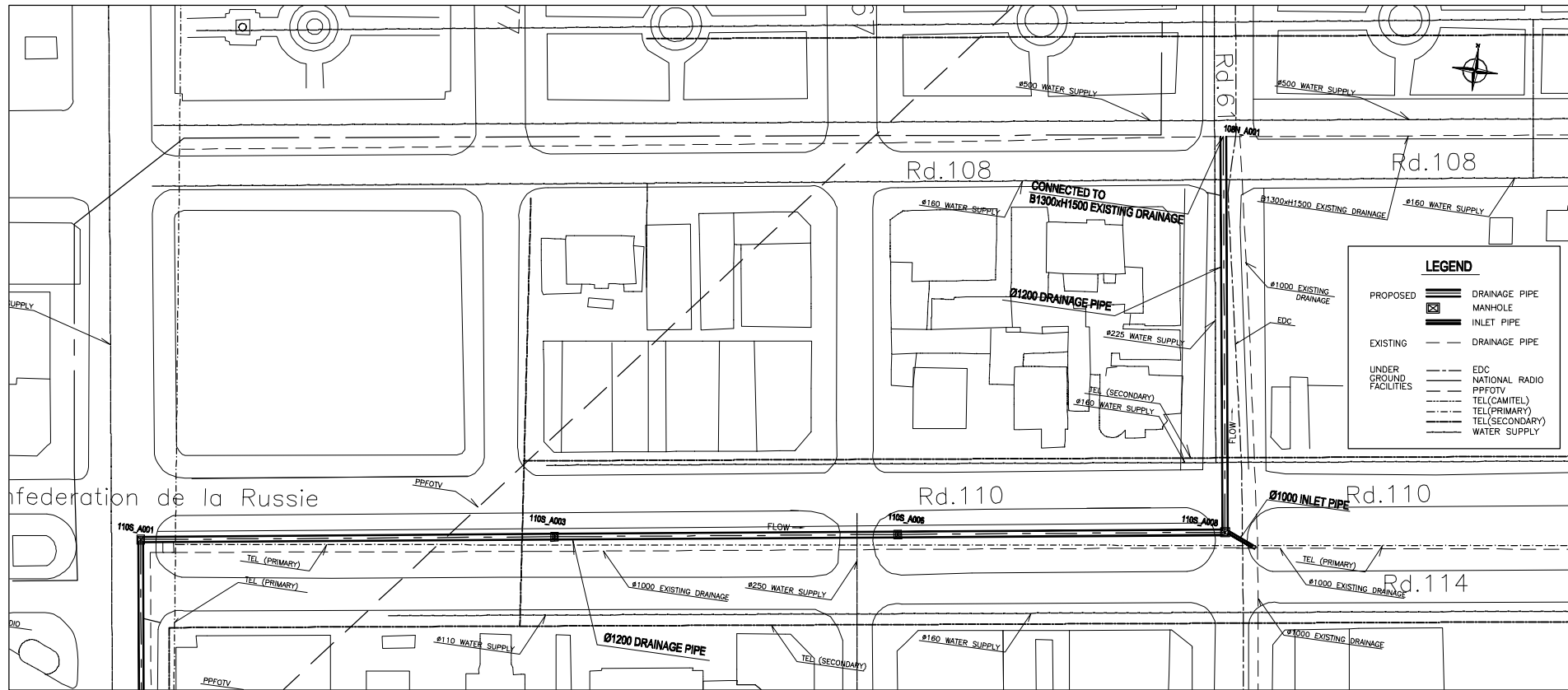


The Basic Design Study on Flood Protection and Drainage Improvement Project in the Municipality of Phnom Penh (Phase II)

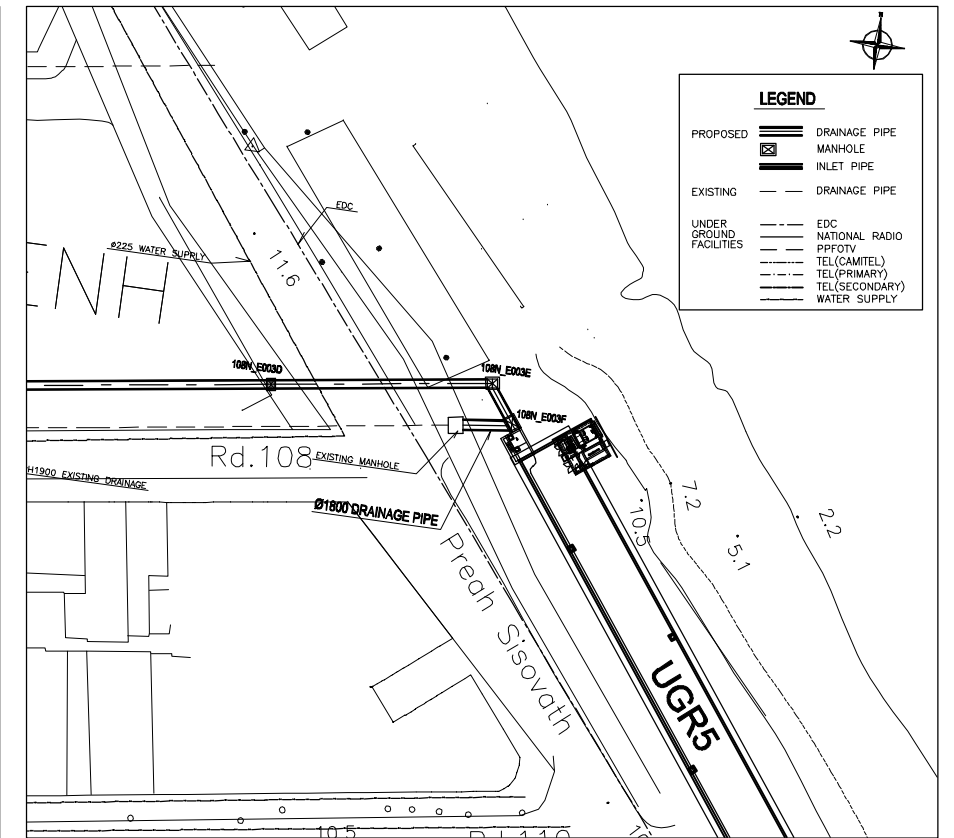
**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPO** NIPPON KOEI CO., LTD.

Drawing No. DM-CM-01

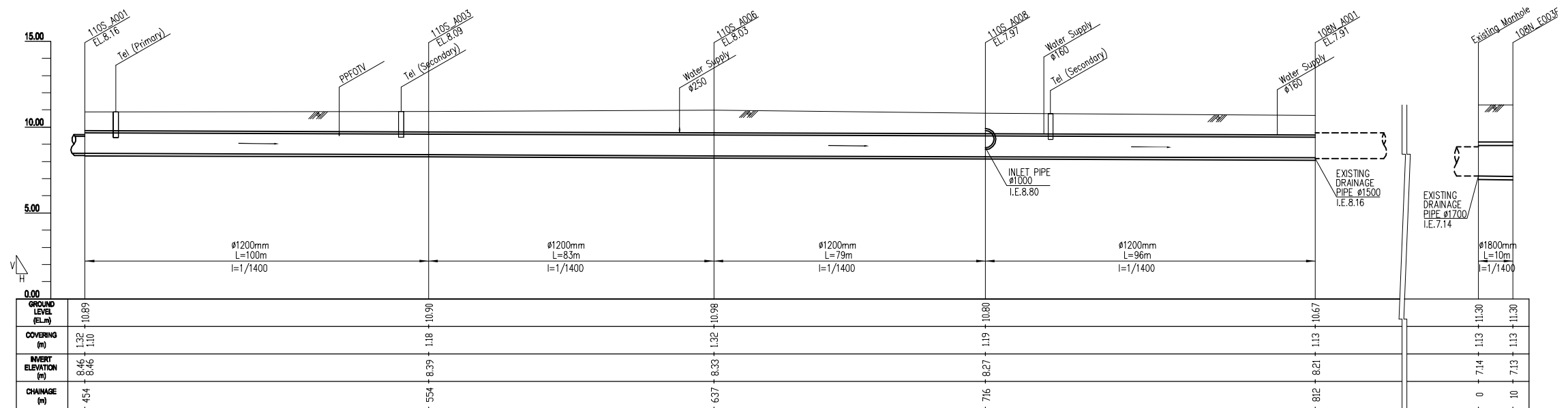
Plan & Profile  
Monivong Drainage Main



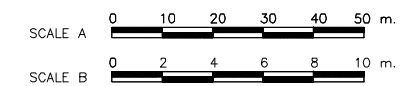
**PLAN** (Manhole No. fr. 110S\_A001 to 108N\_A001)  
SCALE A



**PLAN** (Manhole No. fr. Existing Manhole to 108N\_E003F)  
SCALE A



**PROFILE** (Manhole No. fr. 110S\_A001 to 108N\_A001)  
(Manhole No. fr. Existing Manhole to 108N\_E003F)  
H: SCALE A V: SCALE B

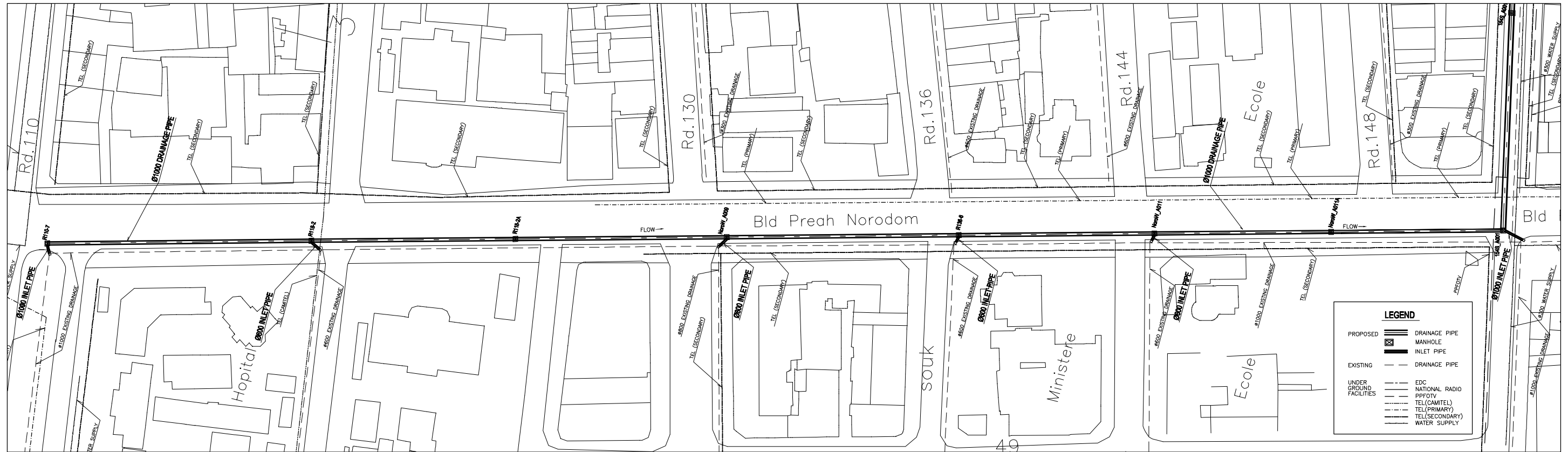


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**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPO** NIPPON KOEI CO., LTD.

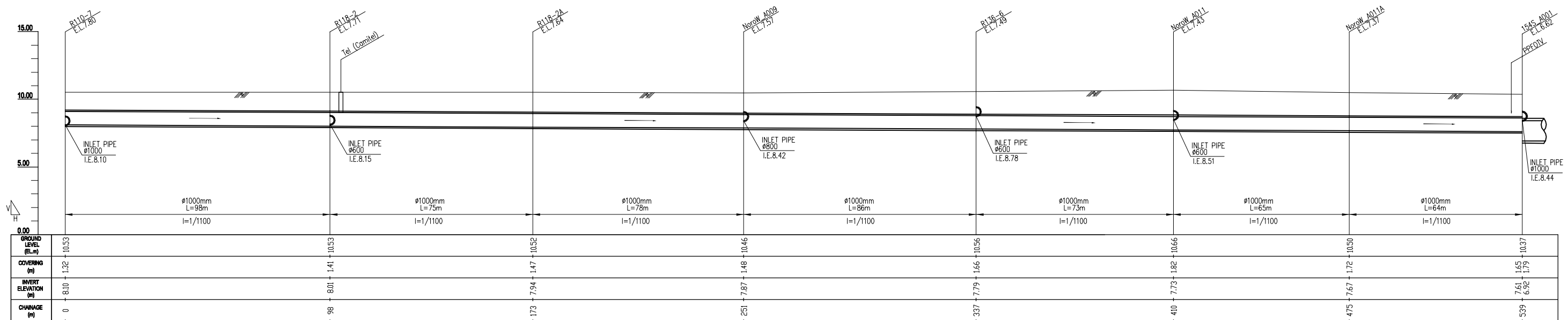
Drawing No. DM-CM-02

Plan & Profile  
R110 & R108 Drainage Main



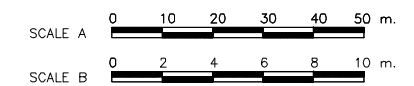
**PLAN** (Manhole No. fr. R110-7 to 154S\_A001)

SCALE A



**PROFILE** (Manhole No. fr. R110-7 to 154S\_A001)

H: SCALE A V: SCALE B



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**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPO** NIPPON KOEI CO., LTD.

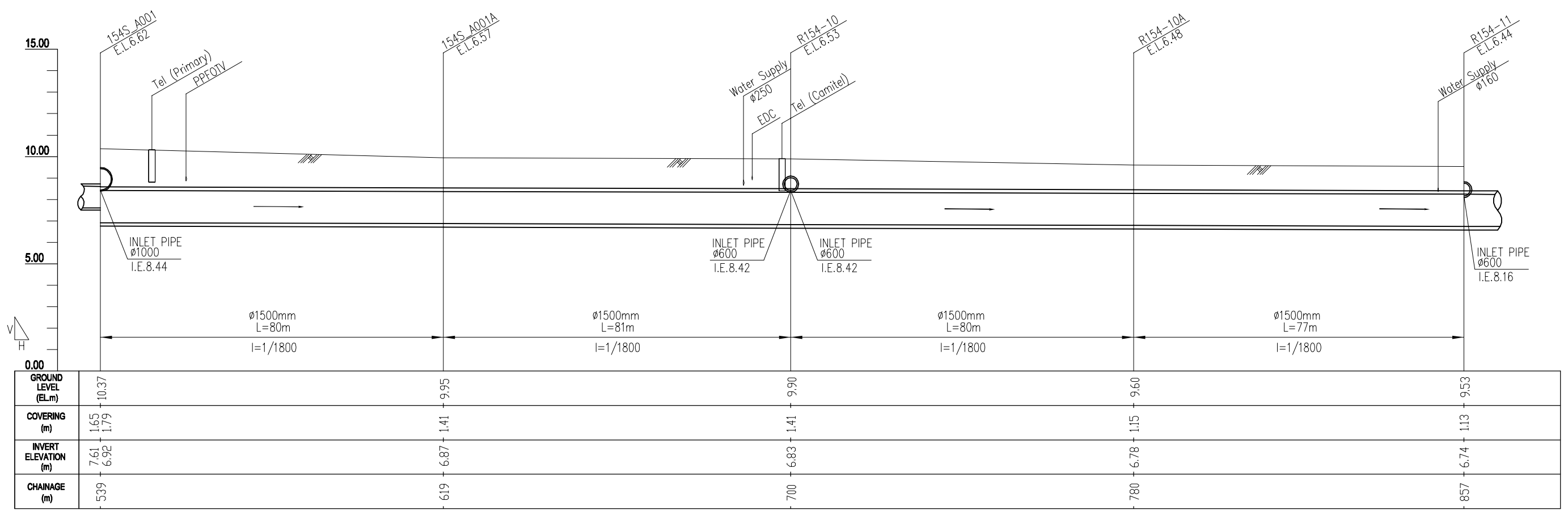
Drawing No. DM-CM-03

Plan & Profile  
Norodom Drainage Main



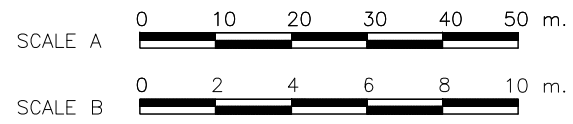
**PLAN** (Manhole No. fr. 154S\_A001 to R154-11)

SCALE A



**PROFILE** (Manhole No. fr. 154S\_A001 to R154-11)

H: SCALE A V: SCALE B



The Basic Design Study on Flood Protection and Drainage Improvement Project in the Municipality of Phnom Penh (Phase II)

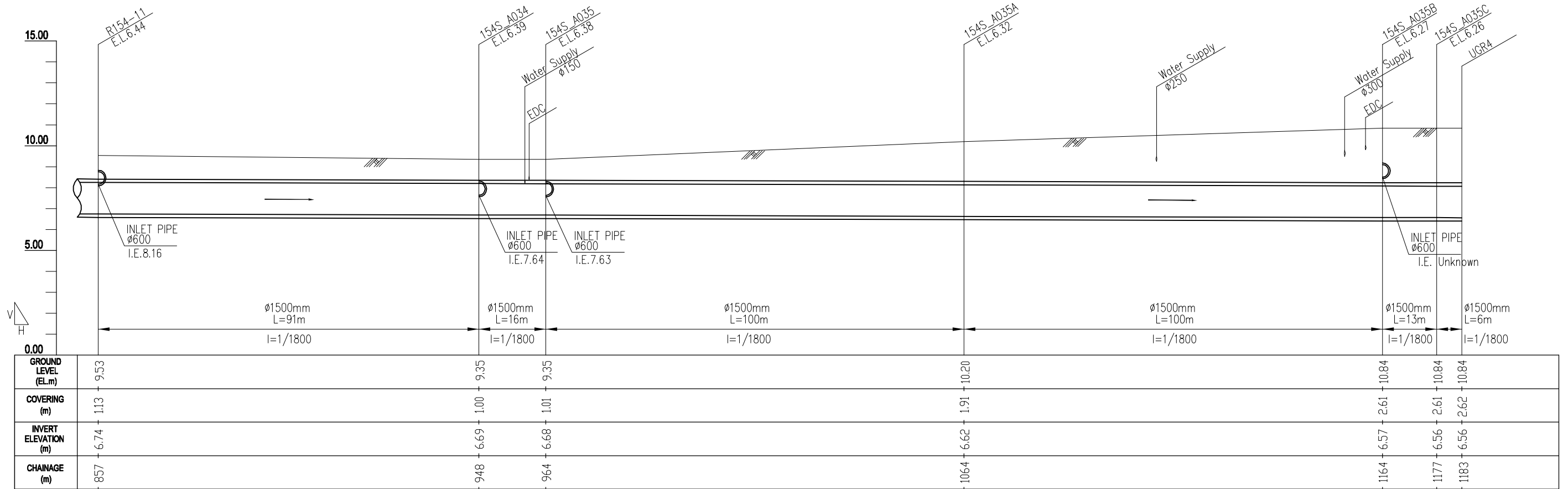
**jica** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPON KOEI CO., LTD.**

Drawing No. DM-CM-04

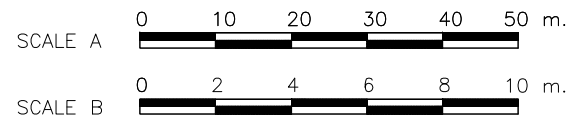
Plan & Profile  
R154 Drainage Main (1/2)



**PLAN** (Manhole No. fr. R154-11 to UGR4)  
SCALE A



**PROFILE** (Manhole No. fr. R154-11 to UGR4)  
H: SCALE A V: SCALE B

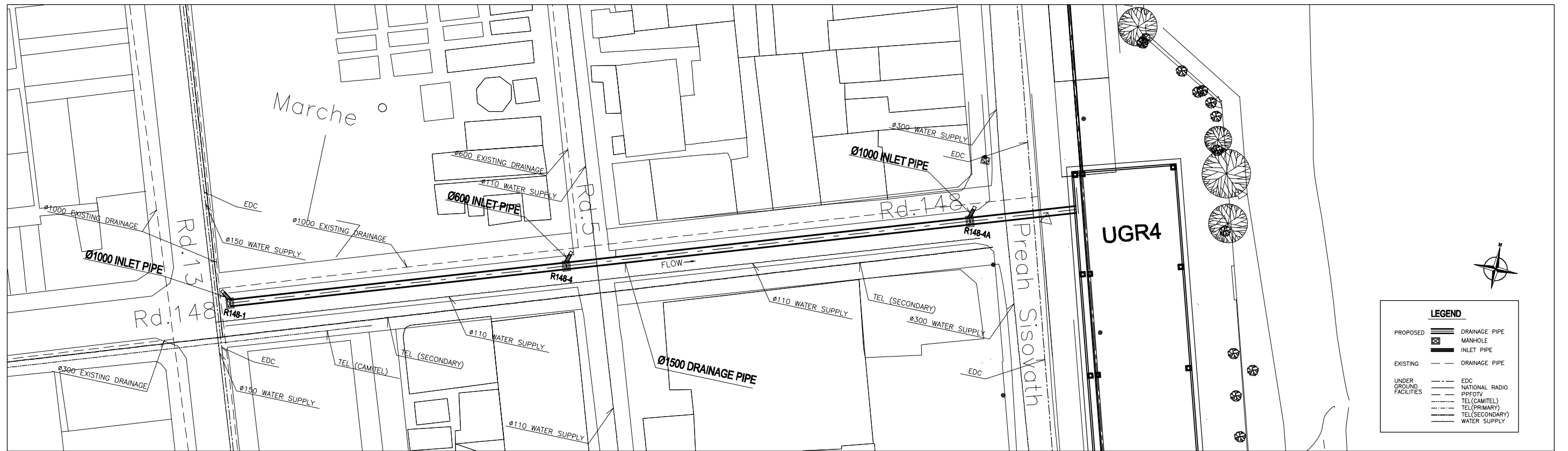


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**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
NIPPON KOEI CO., LTD.

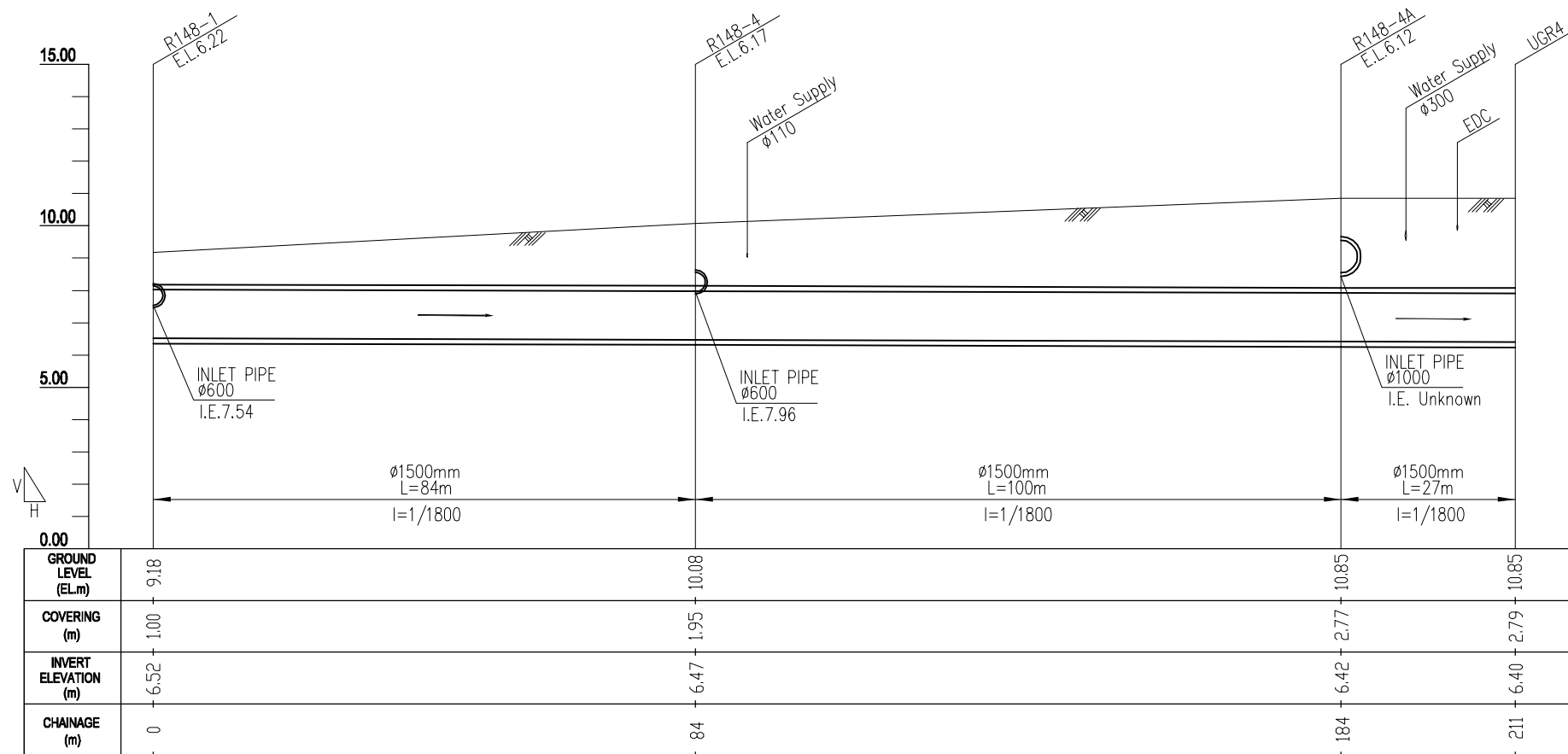
Drawing No. DM-CM-05

Plan & Profile  
R154 Drainage Main (2/2)



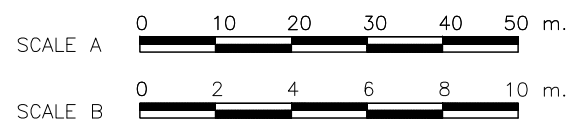
PLAN (Manhole No. fr. R148-1 to UGR4)

SCALE A



PROFILE (Manhole No. fr. R148-1 to UGR4)

H: SCALE A V: SCALE B



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**NIPPON KOEI** CO., LTD.

Drawing No. DM-CM-06

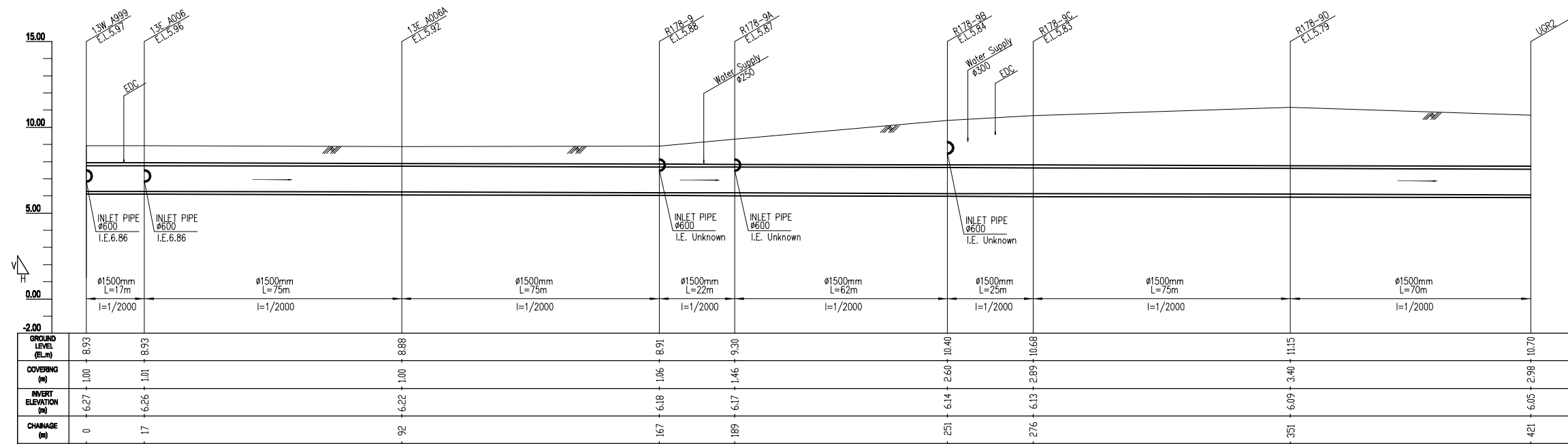
Plan & Profile  
 R148 Drainage Main



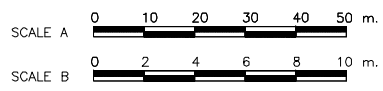
**LEGEND**

PROPOSED	DRAINAGE PIPE
MANHOLE	INLET PIPE
EXISTING	DRAINAGE PIPE
UNDER GROUND FACILITIES	EDC
	NATIONAL RADIO
	PPFOTY
	TEL (CAMTEL)
	TEL (PRIMARY)
	TEL (SECONDARY)
	WATER SUPPLY

**PLAN** (Manhole No. fr. 13W\_A999 to UGR2)  
SCALE A



**PROFILE** (Manhole No. fr. 13W\_A999 to UGR2)  
H: SCALE A V: SCALE B

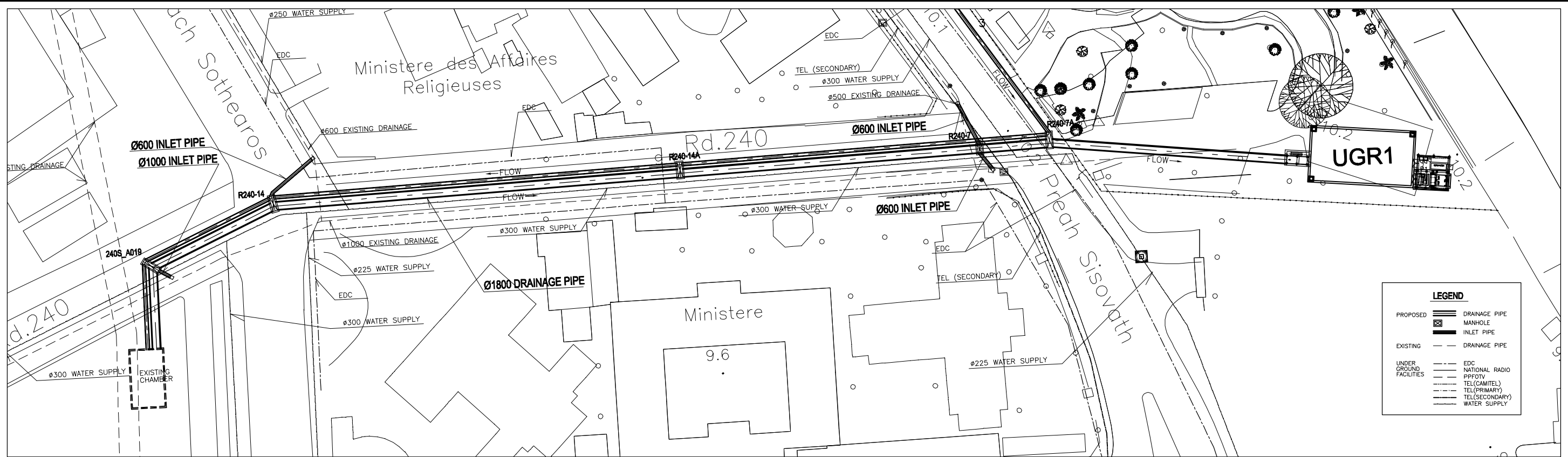


The Basic Design Study on Flood Protection and Drainage Improvement Project in the Municipality of Phnom Penh (Phase II)

Drawing No. DM-RN-01

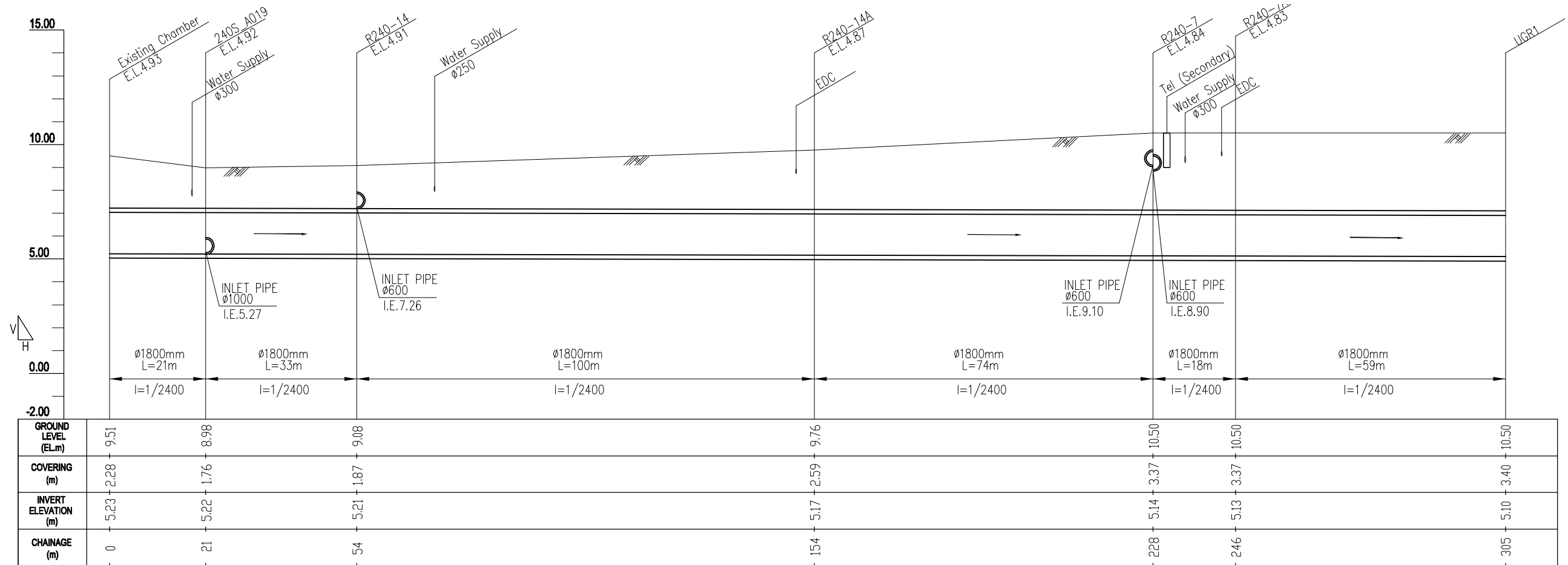
**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPON KOEI CO., LTD.**

Plan & Profile  
R178 Drainage Main



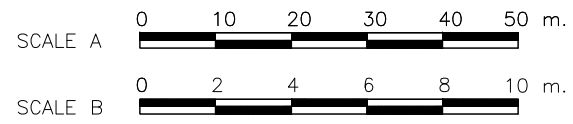
**PLAN** (Manhole No. fr. Existing Chamber to UGR1)

SCALE A



**PROFILE** (Manhole No. fr. Existing Chamber to UGR1)

H: SCALE A V: SCALE B



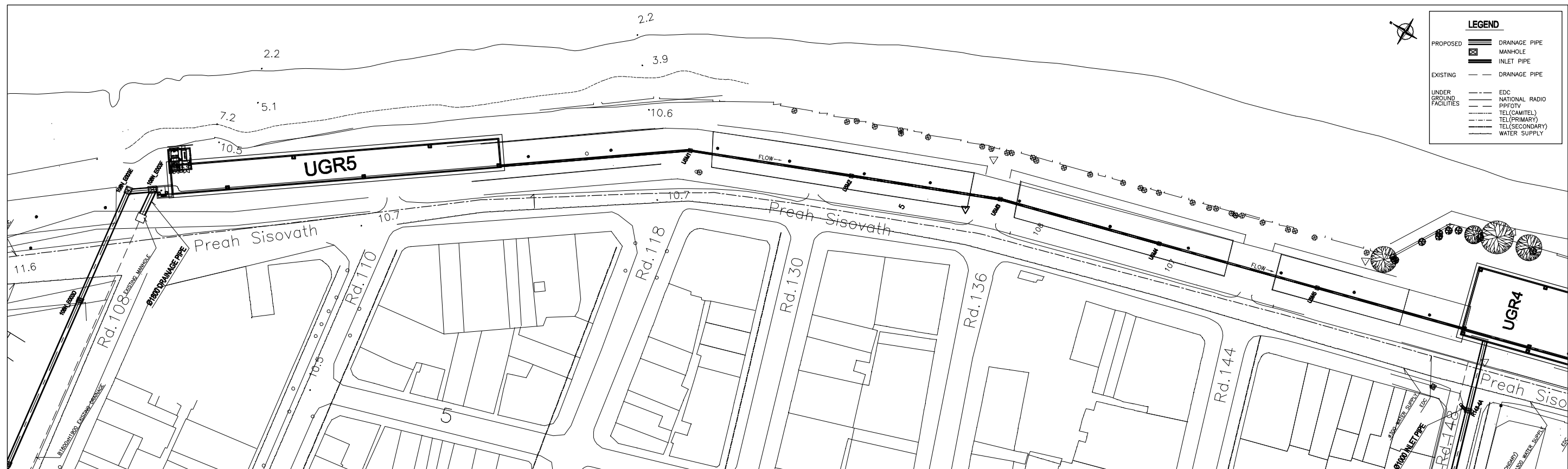
The Basic Design Study on Flood Protection and Drainage Improvement Project in the Municipality of Phnom Penh (Phase II)

**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPO** NIPPON KOEI CO., LTD.

Drawing No. DM-RN-02

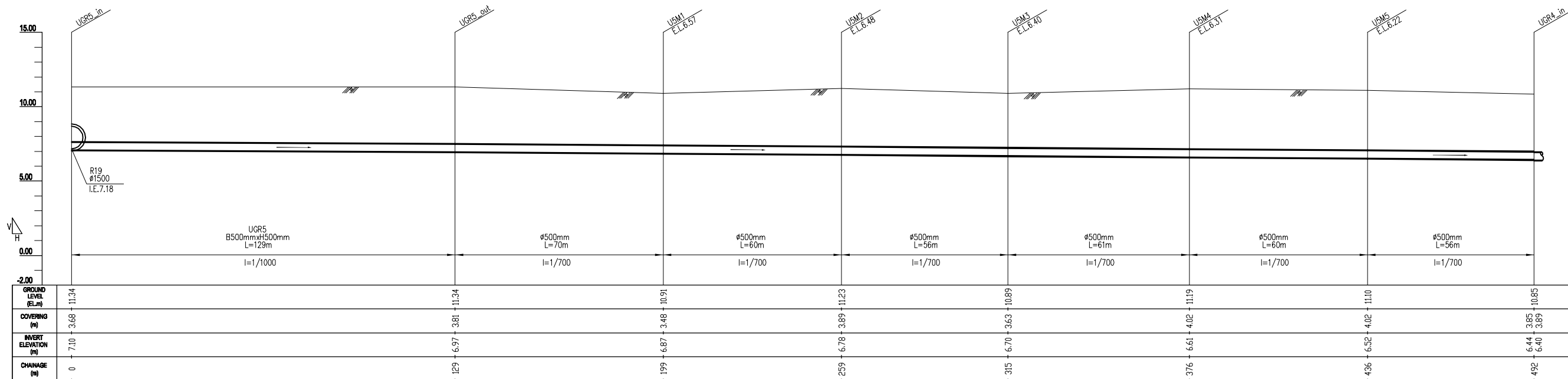
Plan & Profile  
 R240 Drainage Main





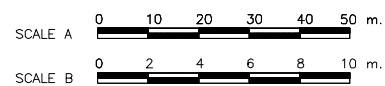
**PLAN** (Manhole No. fr. UGR5\_in to UGR4\_in)

SCALE A



**PROFILE** (Manhole No. fr. UGR5\_in to UGR4\_in)

H: SCALE A V: SCALE B

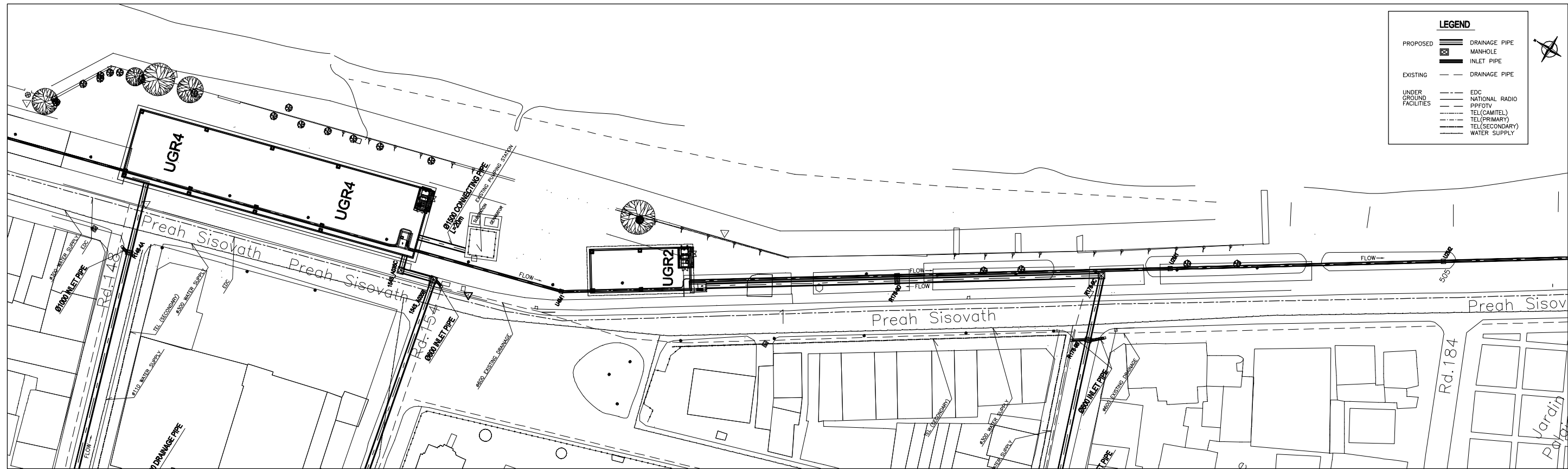


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**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPO** NIPPON KOEI CO., LTD.

Drawing No. DM-IP-01

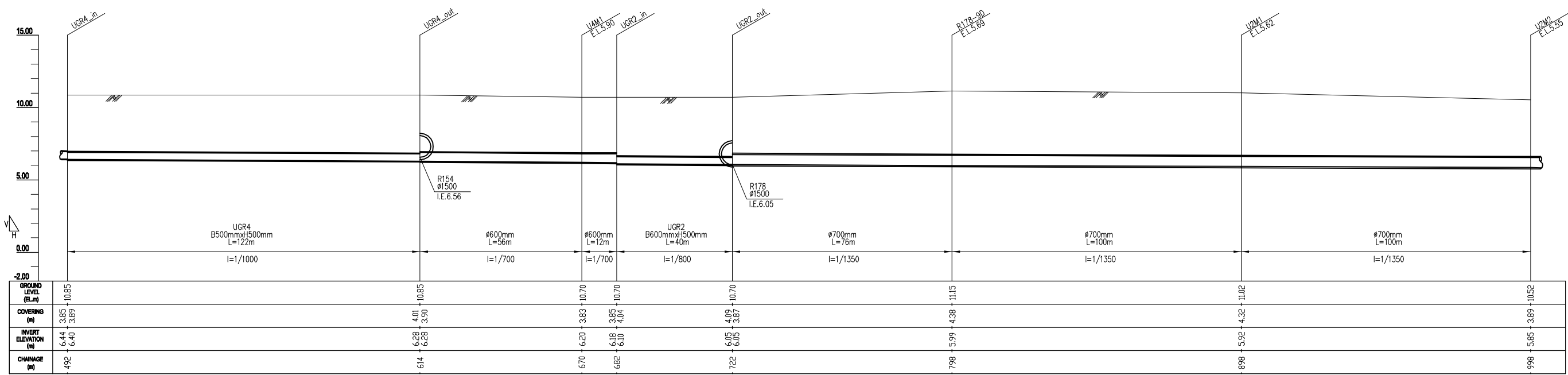
Interceptor  
Plan & Profile  
UGR5-UGR4



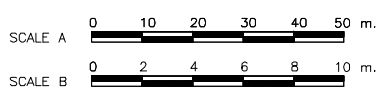
**LEGEND**

PROPOSED	DRAINAGE PIPE
MANHOLE	INLET PIPE
EXISTING	DRAINAGE PIPE
UNDER GROUND FACILITIES	EDC
	NATIONAL RADIO
	PIPCOV
	TEL(CAMTEL)
	TEL(PRIMARY)
	TEL(SECONDARY)
	WATER SUPPLY

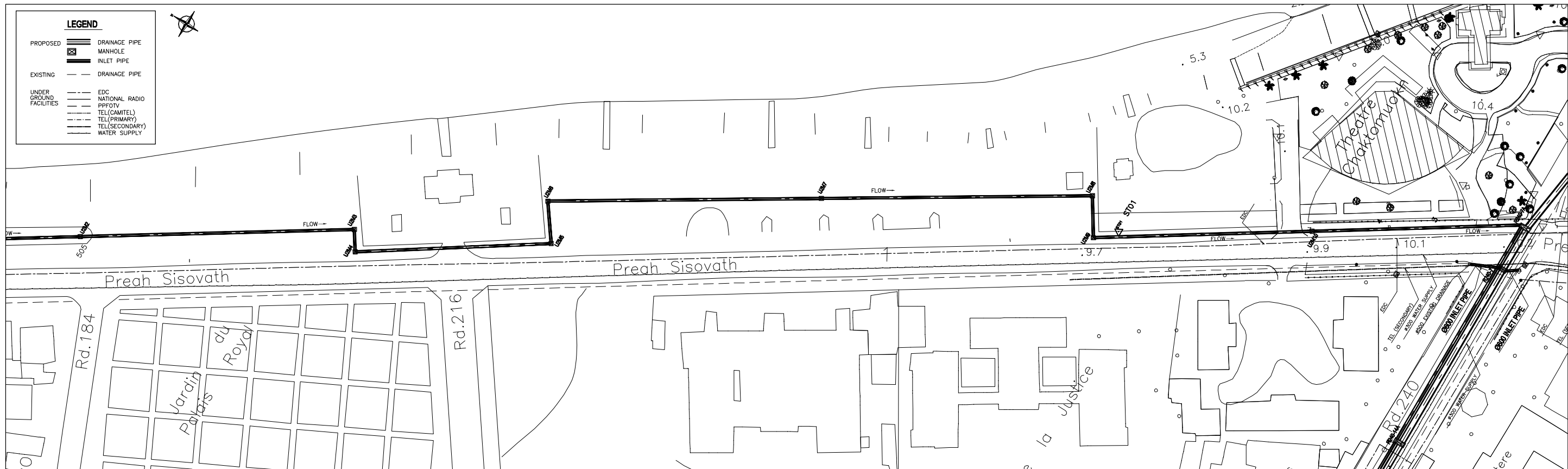
**PLAN** (Manhole No. fr. UGR4\_in to U2M2)  
SCALE A



**PROFILE** (Manhole No. fr. UGR4\_in to U2M2)  
H: SCALE A V: SCALE B

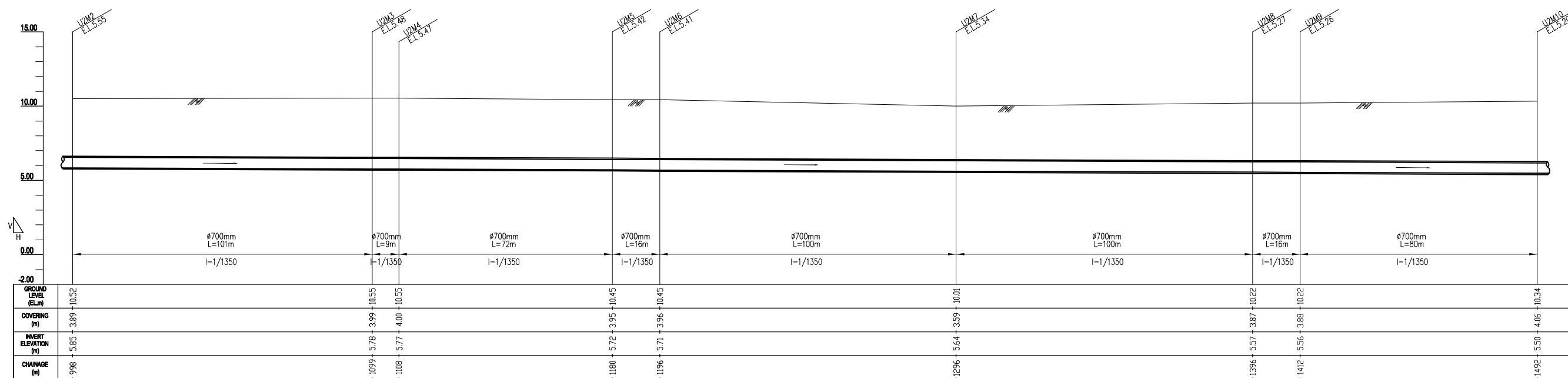


<p>The Basic Design Study on Flood Protection and Drainage Improvement Project in the Municipality of Phnom Penh (Phase II)</p> <p><b>JICA</b> JAPAN INTERNATIONAL COOPERATION AGENCY  <b>CTI</b> CTI ENGINEERING INTERNATIONAL CO., LTD.  <b>NIPPON KOEI CO., LTD.</b></p>	<p>Drawing No. DM-IP-02</p>
	<p>Interceptor Plan &amp; Profile UGR4-UGR2, UGR2-Chakto Mukh Theater (1/2)</p>



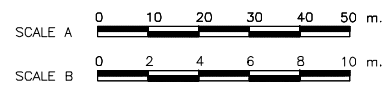
**PLAN** (Manhole No. fr. U2M2 to U2M10)

SCALE A



**PLOFILE** (Manhole No. fr. U2M2 to U2M10)

H: SCALE A V: SCALE B

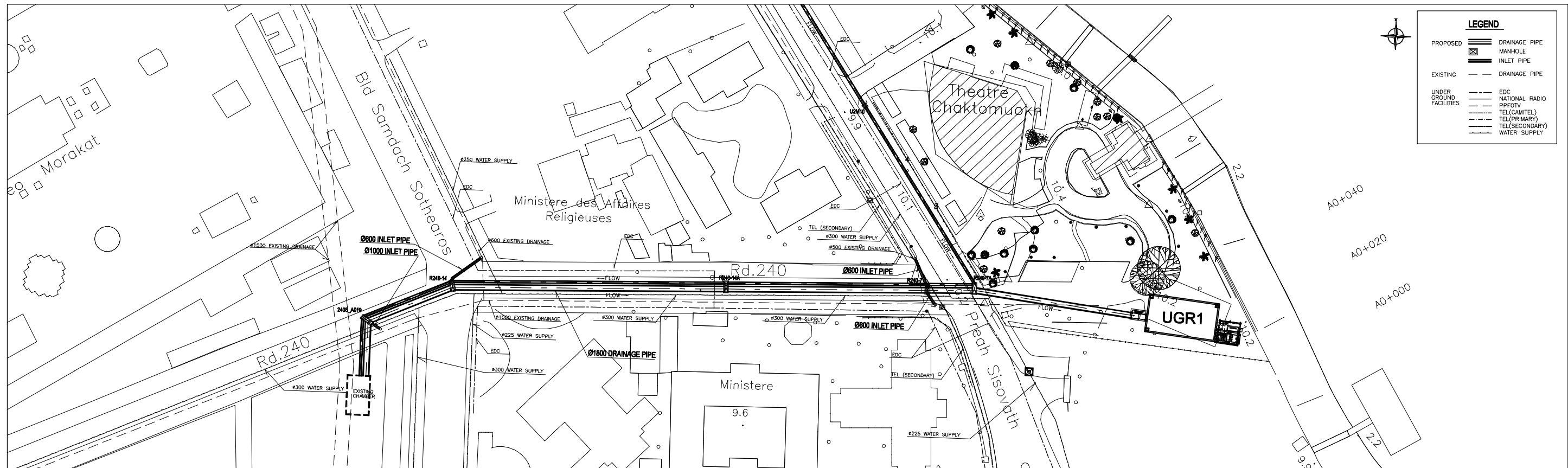


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**JICA** JAPAN INTERNATIONAL COOPERATION AGENCY  
**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPO** NIPPON KOEI CO., LTD.

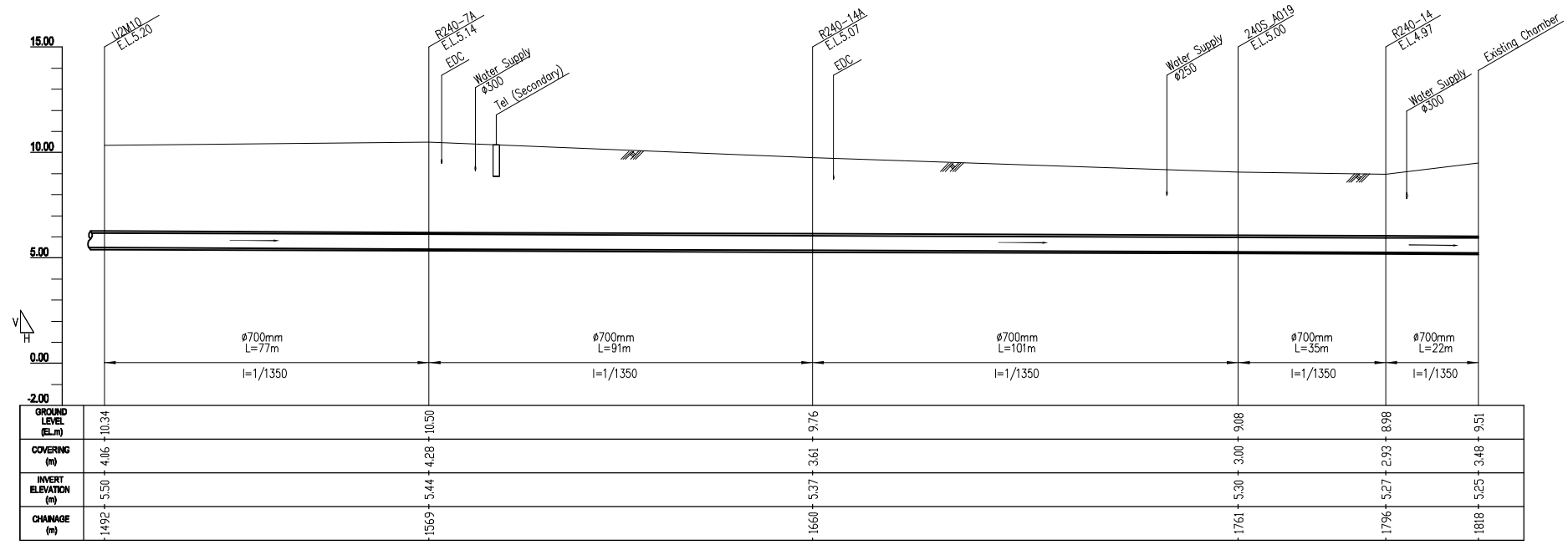
Drawing No. DM-IP-03

Interceptor  
 Plan & Profile  
 UGR2-Chakto Mukh Theater (2/2)



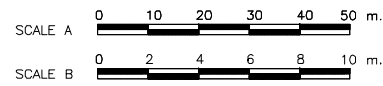
**PLAN (Manhole No. fr. U2M10 to Existing Chamber)**

SCALE A



**PROFILE (Manhole No. fr. U2M10 to Existing Chamber)**

H: SCALE A V: SCALE B



The Basic Design Study on Flood Protection and Drainage Improvement Project in the Municipality of Phnom Penh (Phase II)

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**CTI** CTI ENGINEERING INTERNATIONAL CO., LTD.  
**NIPPON KOEI CO., LTD.**

Drawing No. DM-IP-04

Interceptor  
 Plan & Profile  
 Chakto Mukh Theater -  
 Existing Chamber