

## 9. Environmental Monitoring Report

### (1) Pollution Countermeasure

Date : 7-Dec-18

No.	Check Item	Measurement	Remarks
1	Dust	Daily monitoring around work site by sprinkling water in dusty area	Done by the Contractor

### Water Pollution

Date : 7-Dec-18

Monitoring Item	Location		Suvey value	Unit	Local Standard	Remarks
PH	AUM Up stream	①	7.21	-	Diffrence between Upstream & Downstream	Japanese Standard 6.5 ~8.5
	AUM Down stream	②	7.25	-		
Turbidity	AUM Up stream	①	14.90	NTU	There must be no difference of 25NTU or more between Upstream & downstream	OK
	AUM Down stream	②	14.80	NTU		
Water Temperature	AUM Up stream	①	27.50	deg.	Difference of 2 deg. or more between Upstream & downstream	OK
	AUM Down stream	②	27.00	deg.		
PH	Kapiura Up stream	①	8.06	-	Diffrence between Upstream & Downstream	Japanese Standard 6.5 ~8.5
	Kapiura Down stream	②	8.01	-		
Turbidity	Kapiura Up stream	①	80.90	NTU	There must be no difference of 25NTU or more between Upstream & downstream	Highly alluvial
	Kapiura Down stream	②	82.30	NTU		
Water Temperature	Kapiura Up stream	①	27.50	deg.	Difference of 2 deg. or more between Upstream & downstream	OK
	Kapiura Down stream	②	27.50	deg.		

### Solid wastes

Date : 7-Dec-18

NO.	Check Item	Measurement	Remarks
1	Construction waste	Treatment of construction around work site	Cleaning and Housekeeping (refer to photo no.7)
2	Living waste	Treatment of living waste around campyard	Collecting of waste materials from site and campyard (refer to photo no.8)

### Noise and Vibration

Date : 7-Dec-18

Monitoring Item	Location		Suvey value	Unit	Local Standard	Remarks
Noise	Aum L/S bank	①	59.3	dB	Not mentioned in specification	Japanese Standard 65 dB or less
	Aum 300m fr. site	②	43.0	dB		
	In-front of temp. yard Aum R/S bank	③	54.2	dB		
Vibration	Aum L/S bank	①	47.0	dB	Not mentioned in specification	Japanese Standard 75 dB or less
	Aum 300m fr. site	②	47.0	dB		
	In-front of temp. yard Aum R/S bank	③	47.0	dB		

Noise	Kapiura 500m from site	①	42.3	dB	Not mentioned in specification	Japanese Standard 65 dB or less
	In front of temp yard Kapiura L/S bank	②	53.3	dB		
	Kapiura L/S bank	③	55.1	dB		
Vibration	Kapiura 500m from site	①	44.0	dB	Not mentioned in specification	Japanese Standard 75 dB or less
	In front of temp yard Kapiura L/S bank	②	44.0	dB		
	Kapiura L/S bank	③	44.0	dB		

### (2) Natural Environment

Date : 7-Dec-18

NO.	Check Item	Measurement	Remarks
1	Ecosystem	Condition of vegetation and biota around the work sites	Keep the batching plant area clean, spray water in dusty place(refer to photo no.9)

### (3) Social Environment

Date : 7-Dec-18

NO.	Check Item	Measurement	Remarks
1	Lifestyle	Complaints from the passers-by and other	No complain from the passers-by
2	Livelihood	Damage of facilities such as cracks of asphalt pavement, concrete structure, erosion of embankment etc.	Damage facilities temporary repair by DNC
3	Others	Traffic Accident	No traffic accident encountered

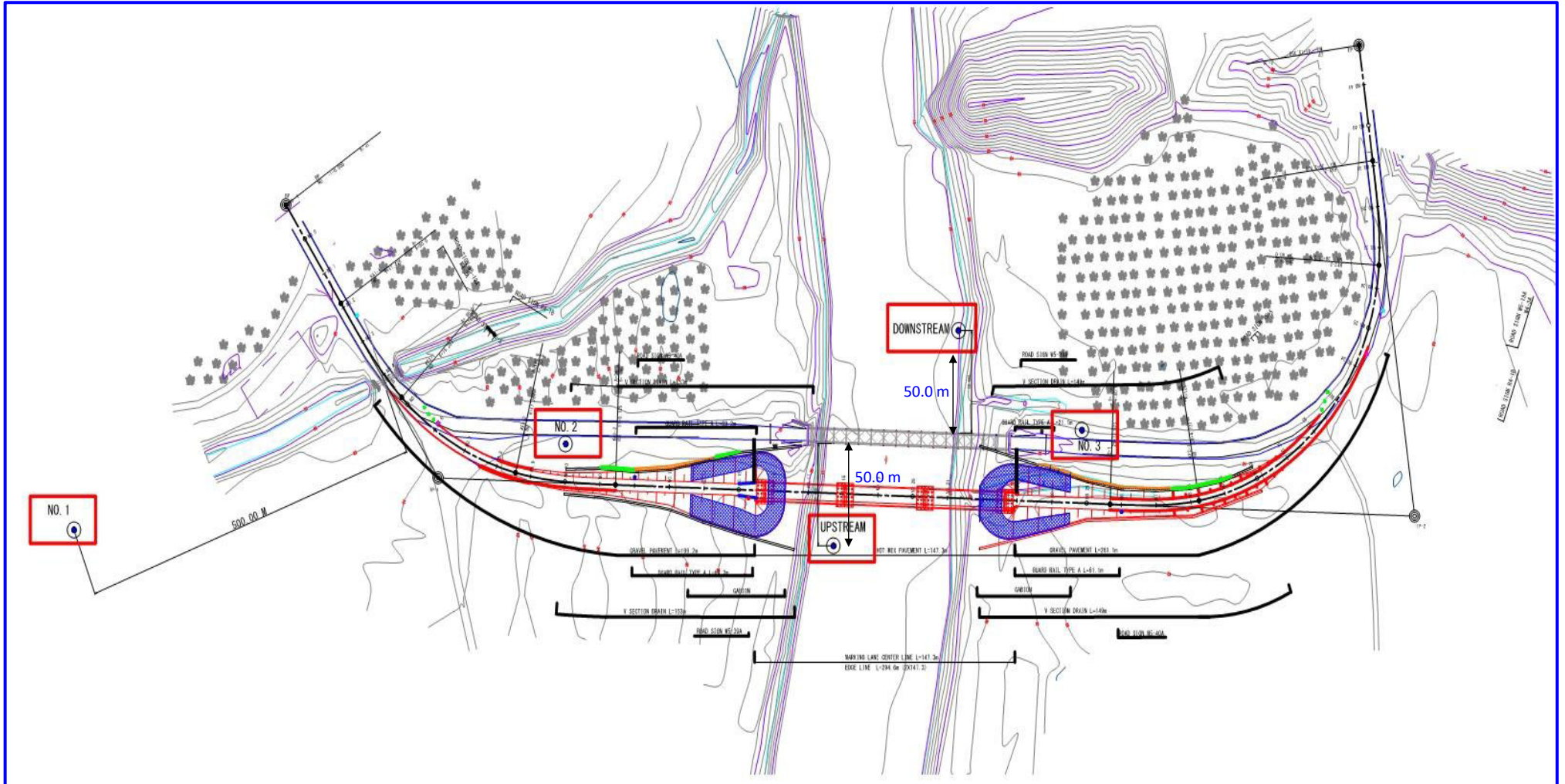
LOCATIONS :

( SEE ATTACHED LOCATION OF AUM & KAPIURA )

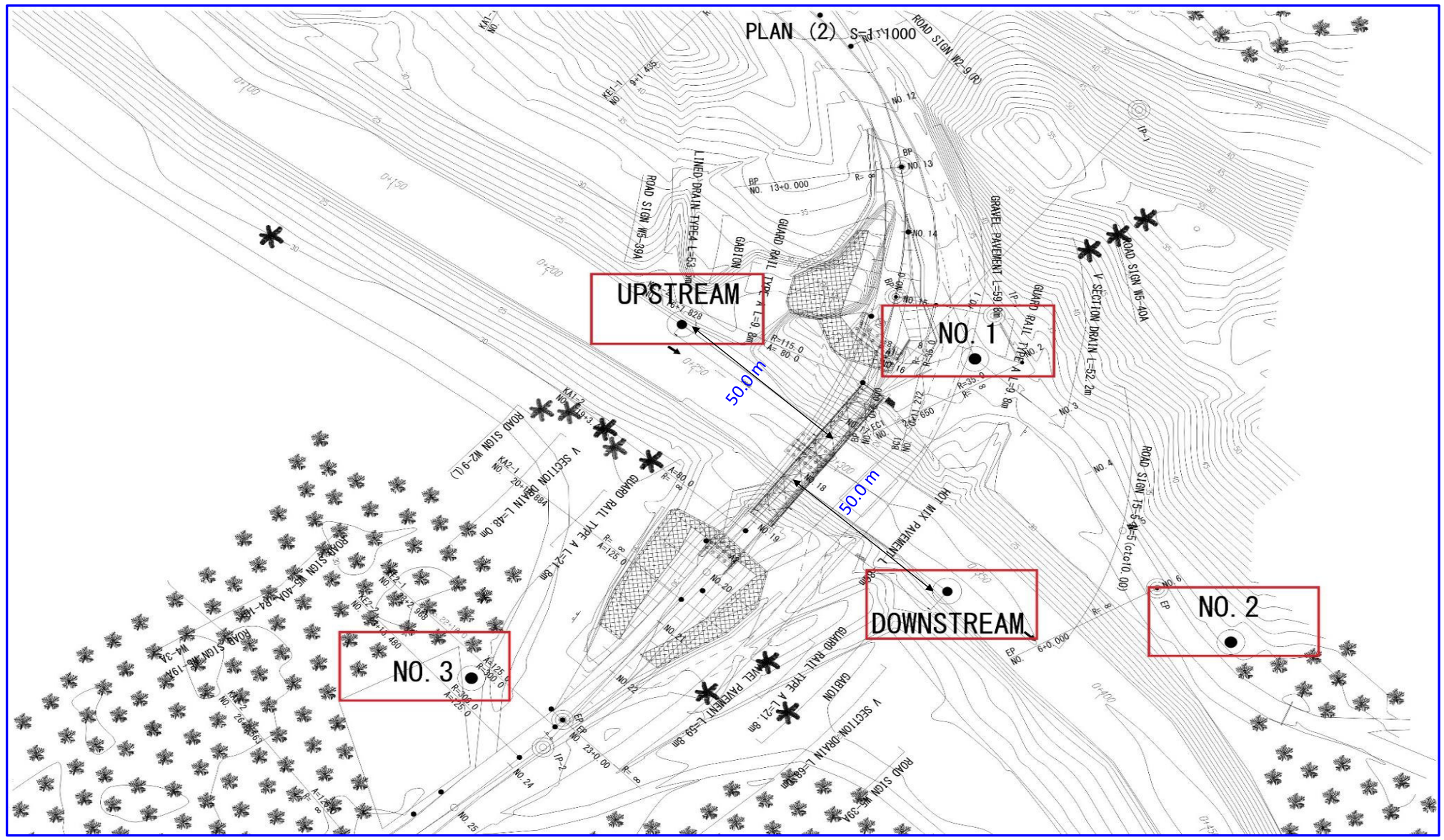
# ENVIRONMENTAL MONITORING INSPECTION AT AUM AND KAPIURA







**KAPIURA BRIDGE**



# AUM BRIDGE