

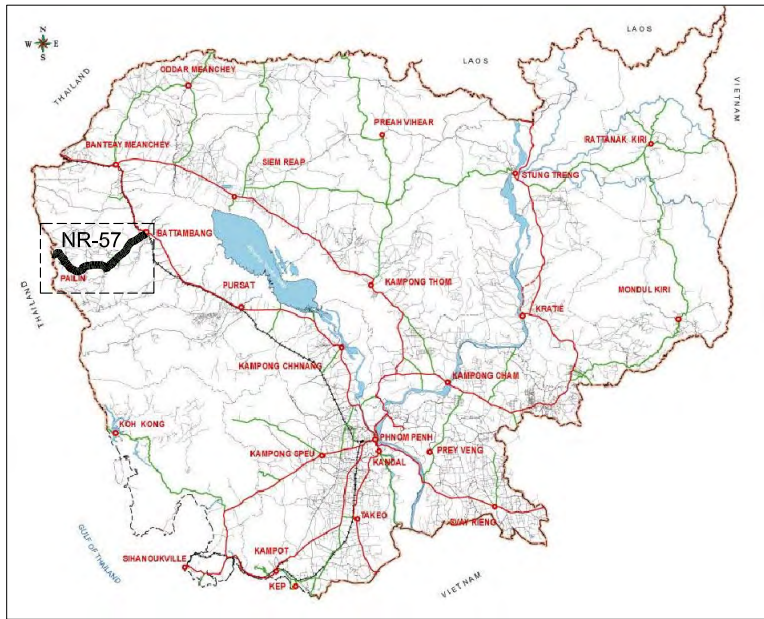
PACKAGE-A

THE PROJECT FOR IMPROVEMENT OF NATIONAL ROAD NO.57

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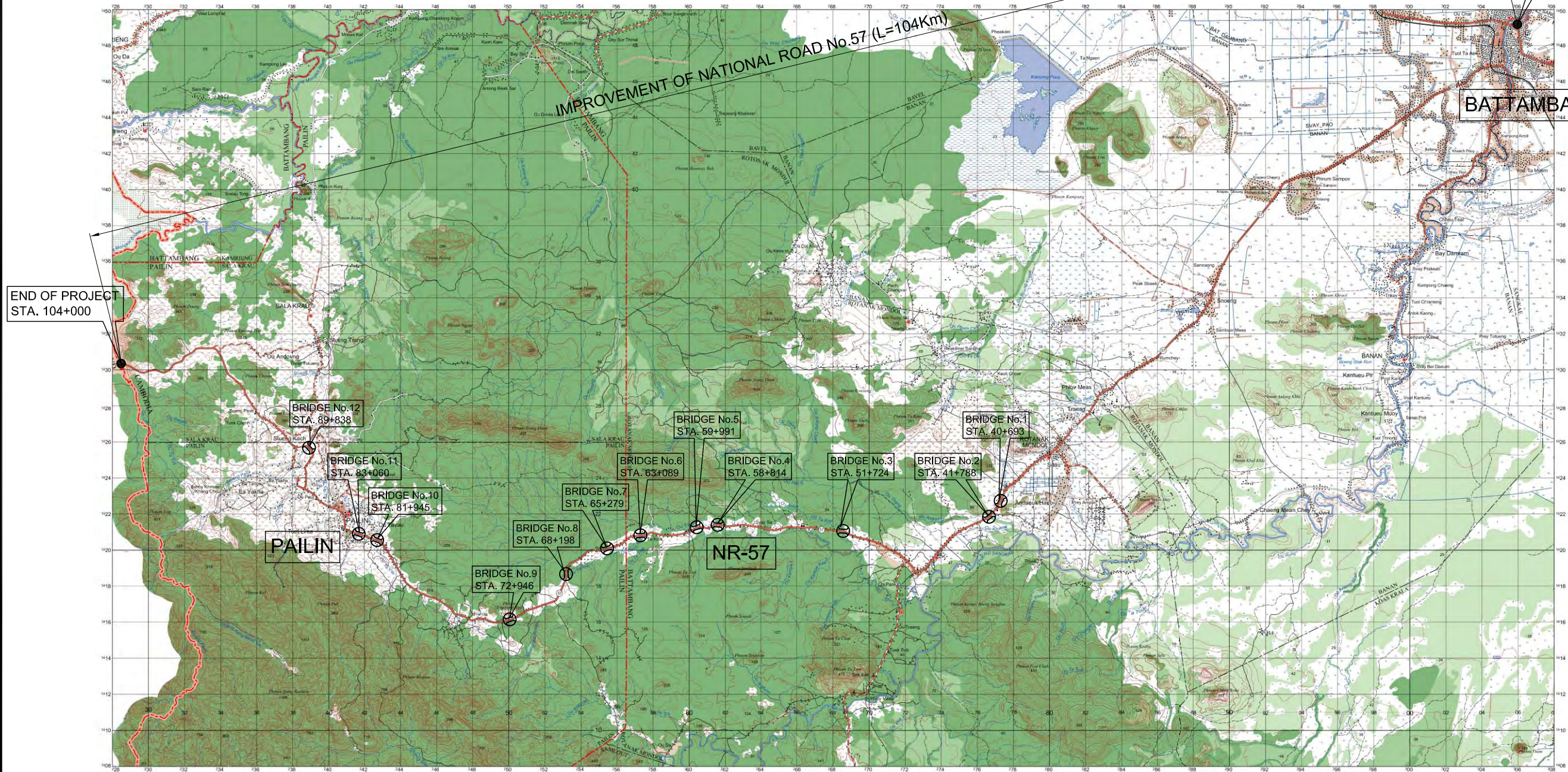


VICINITY MAP



LEGEND

- INTERNATIONAL BOUNDARY
 - PROVINCIAL BOUNDARY
 - DISTRICT BOUNDARY
 - COMMUNE BOUNDARY
 - RAILWAY
 - NATIONAL ROAD
 - OTHER NATIONAL ROAD
 - PROVINCIAL ROAD
 - CARTRACK AND FOOTPATH
- 1. CAPITAL OF KHET
 - 2. CAPITAL OF SROK
 - 1. COMMUNE LOCATION
 - 2. VILLAGES LOCATION
- 1. NATIONAL ROAD No.
 - 2. OTHER NATIONAL ROAD No.
 - 3. PROVINCIAL ROAD No.
- 1. AIRPORT
 - 2. PORT
 - 1. RIVER 2. LAKE 3. STREAM



END OF PROJECT
STA. 104+000

BEGINNING OF PROJECT
STA. 0+000

BATTAMBANG



MINISTRY OF PUBLIC WORKS AND TRANSPORT
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THE STUDY ON THE ROAD NETWORK
DEVELOPMENT IN THE KINGDOM OF CAMBODIA
PRE-FEASIBILITY STUDY ON
IMPROVEMENT OF NATIONAL ROAD No. 57

JAPAN INTERNATIONAL COOPERATION AGENCY
NIPPON KOEI CO., LTD. &
KATAHIRA & ENGINEERS INTERNATIONAL

TITLE :
LOCATION MAP

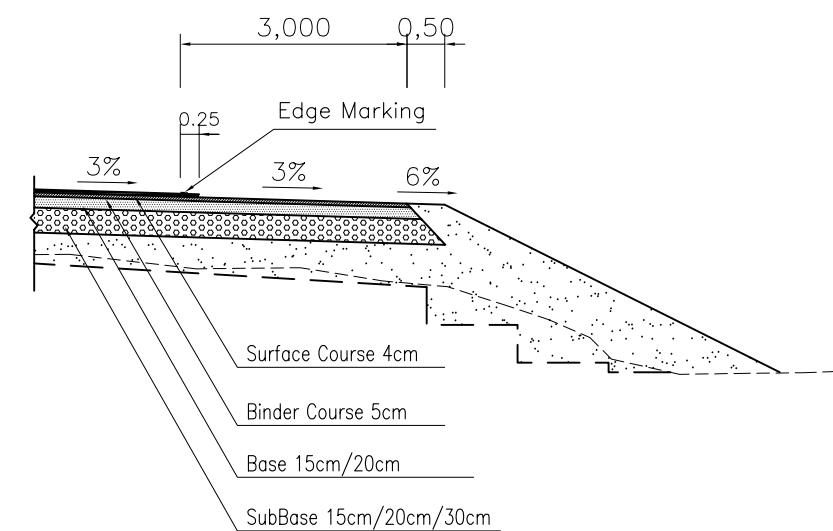
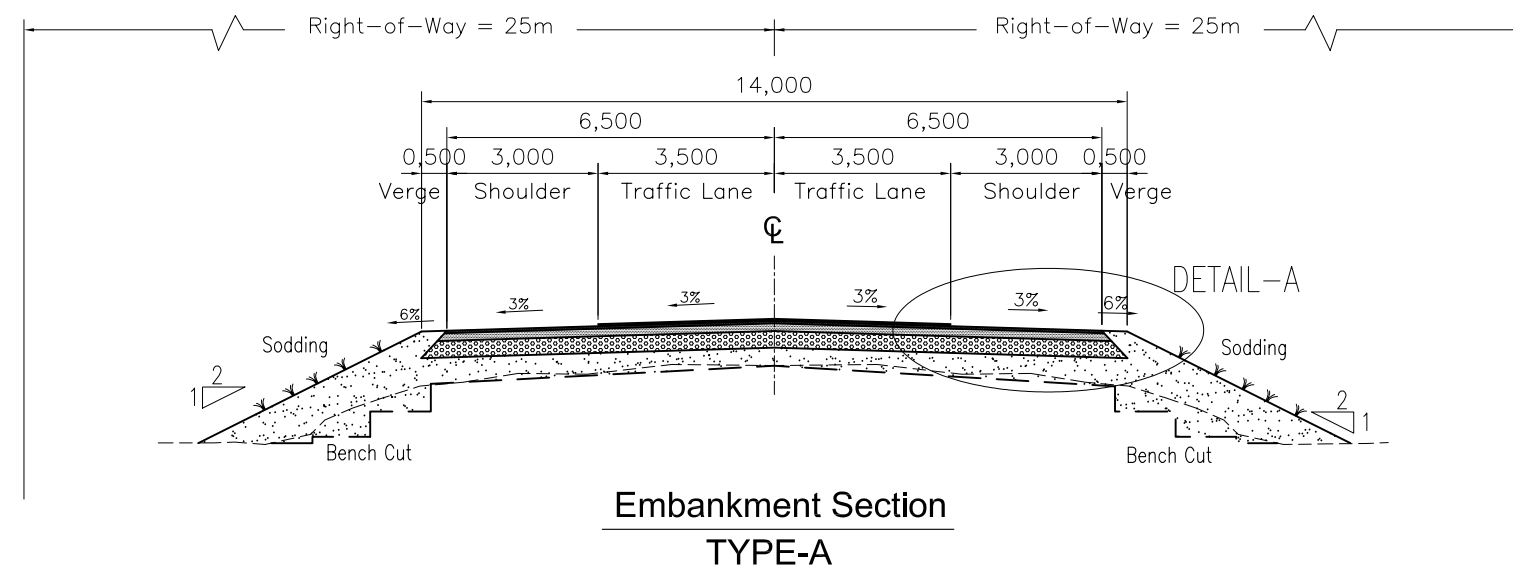
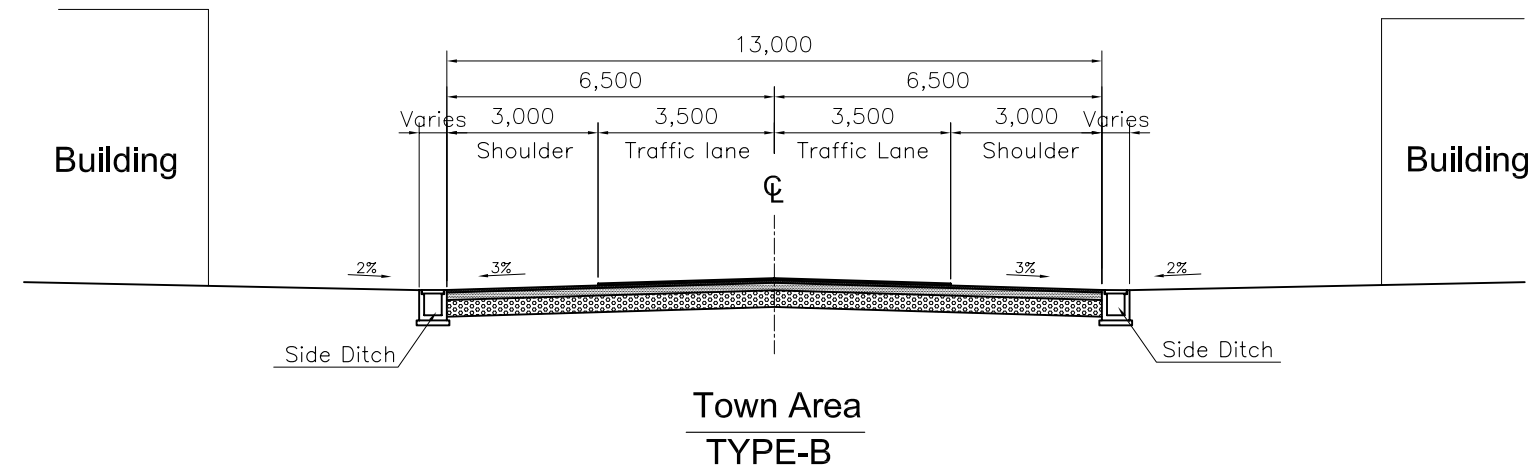
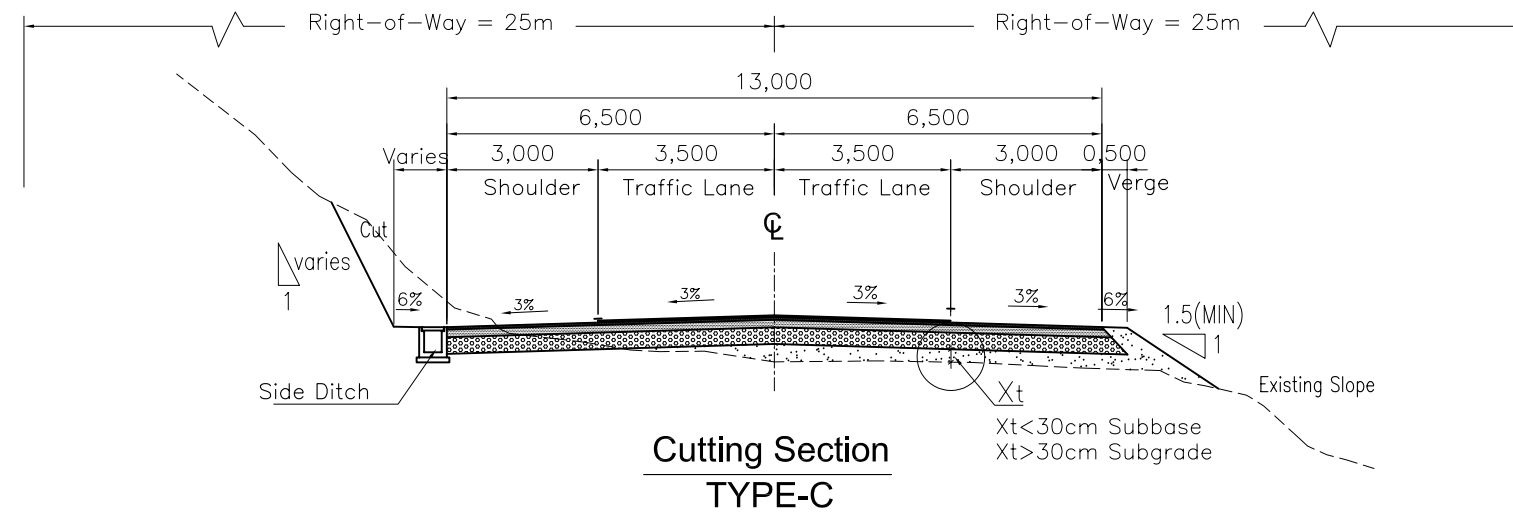
SCALE
NOT TO SCALE

DRAWING No :
A-02

ABBREVIATIONS

AMP	AMPERE	DWG	DRAWING	L.V.C	LENGTH OF VERTICAL CURVE	RERD	RELOCATION OF ROAD
A	CLOTHOID PARAMETER	E	EASTING	M	METER	REWY	RELOCATION OF WATERWAY
AC	ALTERNATING CURRENT	EB	EAST BOUND	M ² , M2	SQUARE METER	R.O.W	RIGHT OF WAY
AC	ASPHALT CONCRETE	ELEV(EL)	ELEVATION	M ³ , M3	CUBIC METER	RP	RADIUS POINT
AD	ABSOLUTE DIFFERENCE	EGL	EXISTING GROUND LEVEL	MAX	MAXIMUM	RT	RIGHT SIDE OF ALIGNMENT
AIFB	ASPHALT-IMPREGNATED FIBERBOARD	EP	END POINT	MIN	MINIMUM	RW	RETAINING WALL
APPR	APPROACH	EQ	EQUAL	MM	MILLIMETER	SB	SOUTH BOUND
ASPH	ASPHALT	EXC	EXCAVATION	MO	MIDDLE ORDINATE	SC	SPIRAL CURVE TO CIRCULAR CURVE
BC	BOX CULVERT	EXP	EXPANSION	N	NORTHING	SD	SIDE DICTH
BOR	BORING	EVCS	ENDING OF VERTICAL CURVE STATION	NA, N/A	NOT APPLICABLE	SDBT	SAND BLANKET
BR	BRIDGE	EVCE	ENDING OF VERTICAL CURVE ELEVATION	NB	NORTH BOUND	SM	STONE MANSORY
BRG	BEARING	F	FILL	NC	NORMAL CROWN	SP	SLOPE PROTECTION
BVCS	BEGINING OF VERTICAL CURVE STATION	F	FIXED	NGL	NATURAL GROUND LEVEL	SQ.M	SQUARE METER
BVCE	BEGINING OF VERTICAL CURVE ELEVATION	FF	FACE TO FACE	NH	NATIONAL HIGHWAY	SSP	SURFACE SETTLEMENT PLATE
C/C	CENTER TO CENTER	FG	FINISHED GRADE	NO	NUMBER	ST	SPIRAL CURVE TO TANGENT
CB	CATCH BASIN	FR	FRONTAGE ROAD	NTS	NOT TO SCALE	STA	STATION
CIP	CAST-IN-PLACE	GF	GUARD FENCE	OGL	ORIGINAL GROUND LEVEL	STRUC	STRUCTURE
CL	CENTERLINE	GIR	GIRDER	OV	OVER BRIDGE	STS	SPIRAL TO SPIRAL POINT
CM	CENTIMETER	GL	GROUND LEVEL	P	PIPE CULVERT	SURG	SUR-CHARGE
CONC	CONCRETE	GR	GUARD RAIL	PC	BEGINING POINT OF SIMPLE CURVE	SV	SUPERVISION
CONST	CONSTRUCTION	Have	AVERAGE HEIGHT	P.C	PRESTRESSED CONCRETE	T	THICKNESS
CONT	CONTINUOUS	H.W.L	HIGH WATER LEVEL	PCCP	PORTLAND CEMENT CONCRETE PAVEMENT	TS	TANGENT TO SPIRAL
CS	CIRCULAR CURVE TO SPIRAL CURVE	HWY	HIGHWAY	PH	PLAN HEIGHT	TYP	TYPICAL
CU.M	CUBIC METER	G1,G2	GRADIENT	PI	POINT OF HORIZONTAL INTERSECTION	V	DESIGN SPEED IN kph
CJ	CONSTRUCTION JOINT	INV	INVERT	PR	PROVINCIAL ROAD	VOLT	VOLTAGE
CWB	COUNTER WEIGHT BERM	JT	JOINT	PRC	POINT OF REVERSE CURVE	VC	VERTICAL CURVE
DC	DRAINAGE CATCH BASIN	K	VERTICAL CURVE COEFICIENT	PT	ENDPOINT OF SIMPLE CURVE	W	WIDTH
DFL	DESIGN FLOOD LEVEL	kg	KILOGRAM	PVD	PREFABRICATED VERTICAL DRAIN	WB	WEST BOUND
DI	DRAINAGE INLET	km	KILOMETER	PVI	POINT OF VERTICAL INTERSECTION	WHM	WATT HOUR METER
DIA or ø	DIAMETER	kph	KILOMETER PER HOUR	P.W	PARAPET WALL	X	EASTING COORDINATE IN METERS
DL	DATUM LINE	L	LEFT	R	RIGHT	Y	NORTHING COORDINATE IN METERS
DO	DRAINAGE OUTLET	L	LENGTH	R	RADIUS OF CIRCULAR CURVE	@	AT
DS	DRAINAGE SIDE DITCH	LA	LAND ACQUISITION	R.C	REINFORCED CONCRETE	&	AND
DSP	DEEP SETTLEMENT PLATE	L.M	LINEAR METER	R.C.B.C	REINFORCED CONCRETE BOX CULVERT	%	PERCENT
DW	MOTARED RUBBLE PAVED WATERWAY	LT	LEFT SIDE OF ALIGNMENT	R.C.P.C	REINFORCED CONCRETE PIPE CULVERT		





Section	From	To	Asphalt Concrete		Base	Subbase
			Surface	Binder		
Km0	Km17		4 cm	5 cm	20 cm	25 cm
Km17	Km50		4 cm	5 cm	15 cm	20 cm
Km50	Km104		4 cm	5 cm	15 cm	15 cm



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TITLE :

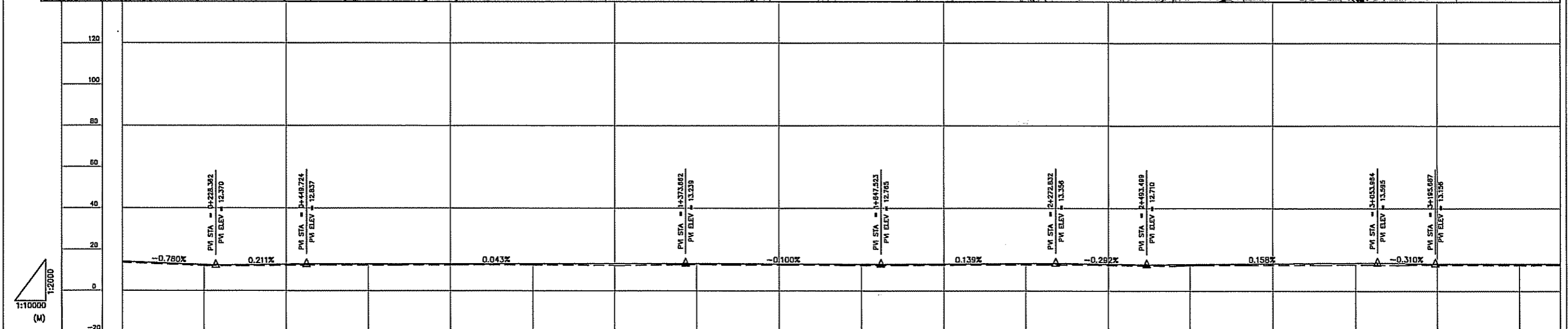
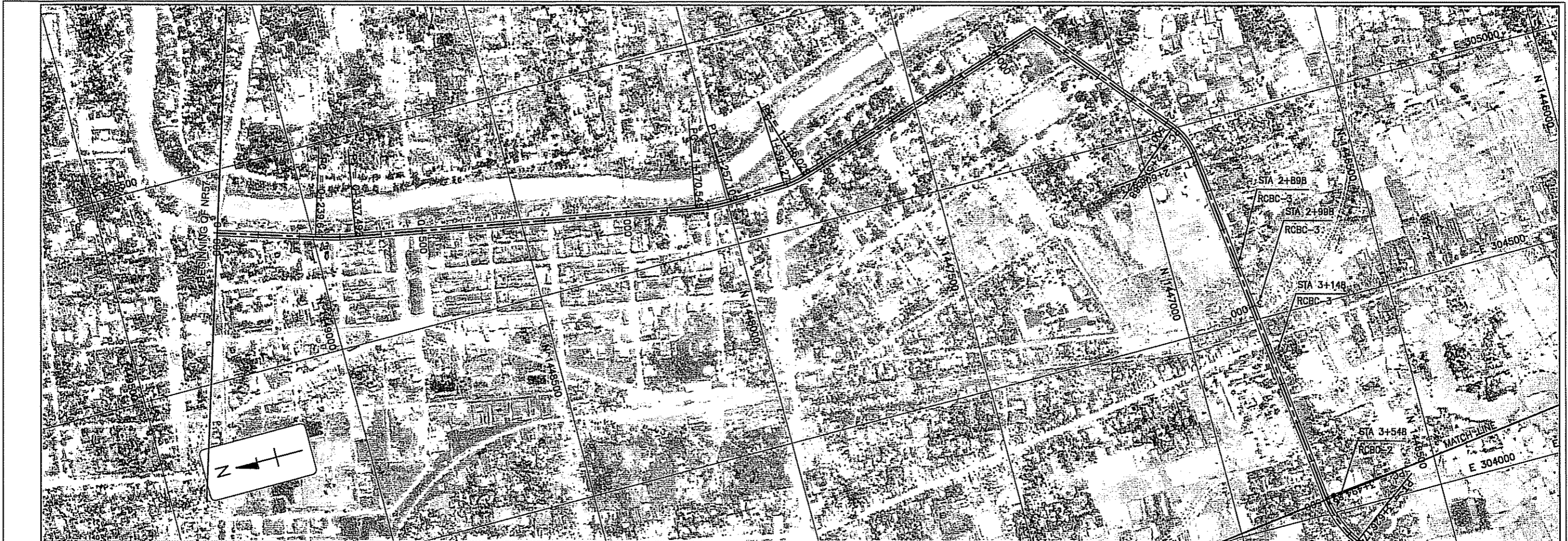
TYPICAL CROSS SECTIONS

SCALE


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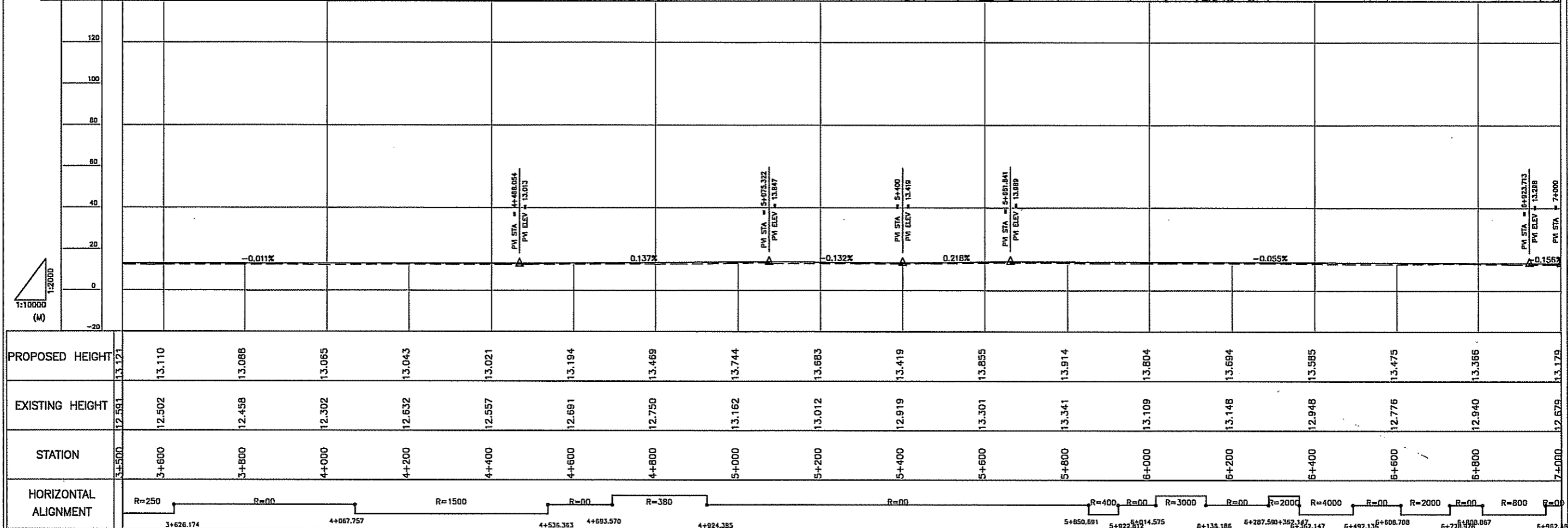
DRAWING No :

A-04



PROPOSED HEIGHT	12.591	12.732	12.903	12.990	13.076	13.163	13.213	13.013	12.813	12.977	13.255	12.984	12.879	13.194	13.510	13.155	13.133	13.121
EXISTING HEIGHT	12.090	12.235	12.388	12.494	12.533	12.331	12.669	12.494	12.308	12.471	12.681	12.474	12.352	12.504	12.706	12.655	12.505	12.581
STATION	0+200	0+400	0+600	0+800	1+000	1+200	1+400	1+600	1+800	2+000	2+200	2+400	2+600	2+800	3+000	3+200	3+400	3+500
HORIZONTAL ALIGNMENT	R=800		R=00			R=400		R=200		R=00			R=150		R=00		R=50	

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					A-05



PROPOSED HEIGHT	13.121	13.110	13.088	13.065	13.043	13.021	13.194	13.469	13.744	13.683	13.419	13.855	13.914	13.804	13.694	13.585	13.475	13.366	13.179	
EXISTING HEIGHT	12.591	12.502	12.458	12.302	12.632	12.557	12.691	12.750	13.162	13.012	12.919	13.301	13.341	13.109	13.148	12.948	12.776	12.940	12.679	
STATION	3+500	3+600	3+800	4+000	4+200	4+400	4+600	4+800	5+000	5+200	5+400	5+600	5+800	6+000	6+200	6+400	6+600	6+800	7+000	
HORIZONTAL ALIGNMENT	R=250 R=0 R=1500 R=0 R=380 R=0 R=400 R=3000 R=2000 R=4000 R=2000 R=800 R=0																			



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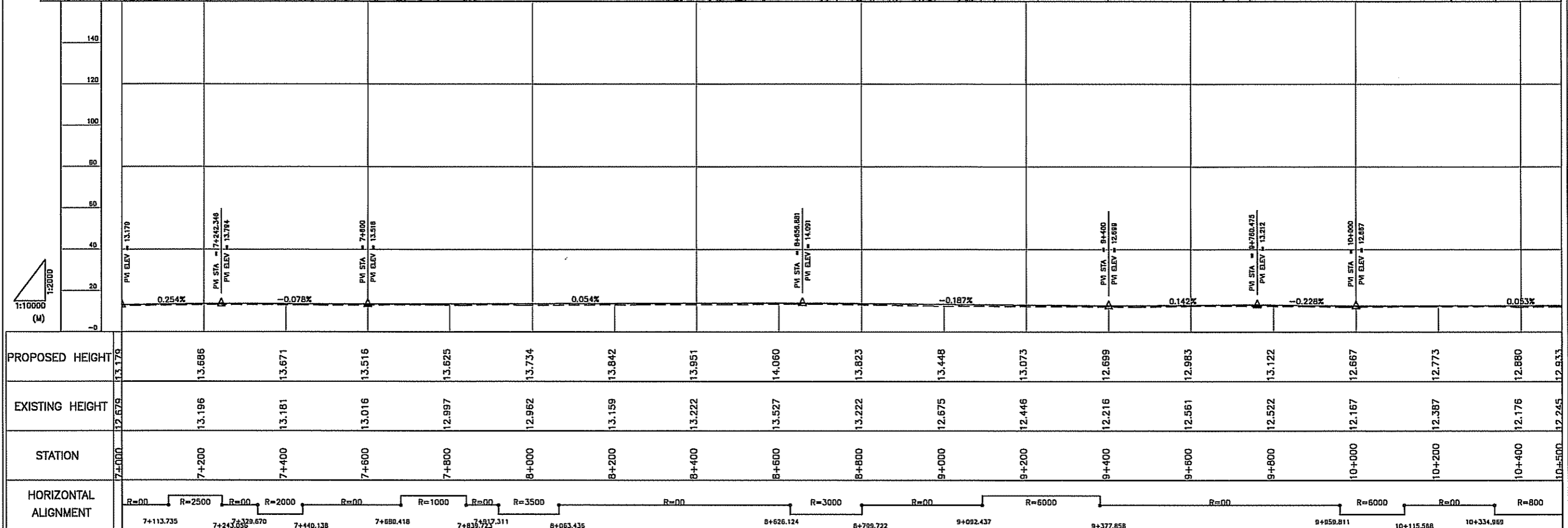
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TITLE:
 PLAN AND PROFILE

SCALE
 H 1:10,000
 V 1:2,000

DRAWING No :
 A-06



PROPOSED HEIGHT	13.179	13.686	13.671	13.516	13.625	13.734	13.842	13.951	14.060	13.823	13.448	13.073	12.699	12.983	13.122	12.667	12.773	12.880	12.933
EXISTING HEIGHT	12.679	13.196	13.181	13.016	12.997	12.962	13.159	13.222	13.527	13.222	12.675	12.446	12.216	12.561	12.522	12.167	12.387	12.176	12.245
STATION	7+000	7+200	7+400	7+600	7+800	8+000	8+200	8+400	8+600	8+800	9+000	9+200	9+400	9+600	9+800	10+000	10+200	10+400	10+500
HORIZONTAL ALIGNMENT	R=00	R=2500	R=00	R=2000	R=00	R=1000	R=00	R=3500	R=00	R=3000	R=00	R=6000	R=00	R=00	R=6000	R=00	R=800		
	7+113.735	7+243.058	7+320.670	7+440.138	7+600.418	7+835.721	8+063.436	8+626.124	8+799.722	9+092.437	9+377.858	9+959.811	10+115.568	10+334.969					



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TITLE:
 PLAN AND PROFILE

SCALE
 H 1:10,000
 V 1:2,000

DRAWING No :
 A-07