

PLAN
(NORTH BOUND & SOUTH BOUND)



परियोजना निदेशक

Project Director

भारतीय राष्ट्रीय सड़क प्राधिकरण, परियोजना इकाई रामबान

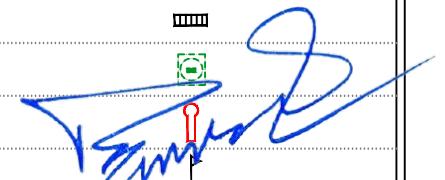
National Highway Authority of India, PIU, Ramban

PLAN	
Road Centre Line	
Carriageway (Edge)	
Earthen Shoulder	
Right of Way(ROW)	
Viaduct (NB)	
Tunnel (NB)	
Viaduct (SB)	
Tunnel (SB)	
North	
R - Radius of Curve	
Dc - Degree of Curvature	
Lc - Length of Circular Curve	
Ts - Tangent Length	
Es - Apex Distance	
LS - Length of Spiral Curve	
S - Shift of Curve	
TS(Deg) - Spiral Angle in Degree	
Δ - Deflection Angle	
V - Design Speed Km/Hr	
e% - Superelevation	
PC - Point of Curvature	
PT - Point of Tangent	
TS - Tangent to Spiral.	

SC - Spiral to Circular.
CS - Circular to Spiral.
ST - Spiral to Tangent.
HIP - Horizontal Intersection Point
Ew - Extra Widening

LONGITUDINAL PROFILE	
Proposed Road Level	
Existing Ground	
Ground/Road Level Left Side (m)	
Ground/Road Level Right Side (m)	
Viaduct/Tunnel	
Viaduct/Tunnel	
G - Gradient %	
Lv - Length of Vertical Curve	
L - Length of Grade(m)	
R - Radius	
e - Superelevation (%)	
D - Straight Length of Horizontal Alignment	
Lc - Length of Circular Curve	
Ls - Length of Spiral Curve (m)	
K - Ratio of Vertical Curve Length and the Difference of In & Out Gradient	

SURVEY	
HighTension Lines	
Existing Road Centre Line	
Low Tension Line	
Telephone Line	
Boundary/Fencing	
Boundary Water Body	
Boundary River Bank	
Building Permanent/Temporary	
Existing Road Paved/Unpaved	
Utility Buildings	
Pipe Line	
OFC Line	
Water Pipe Line	
Control Point	
Temporary Bench Mark	
Telephone Pole	
Lamp Post	
OFC Pillar	
Tree-T6,T5,T4	
Tree-T3,T2,T1	
Well	
Hand Pump	
Control Point identification	
Municipal Tap	
Gate	
Manhole	
Guard Post	
Flag Post	
Transformer	
Statue	
Survey Pillars	
Temple	


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 Project Director

 भारतीय राष्ट्रीय संज्ञान प्राचीन, परिवहन इकाई नम्बन
 National Highway Authority of India, PIU, Ramban

Client :-



NATIONAL HIGHWAYS
AUTHORITY OF INDIA

Project Title :-

CONSTRUCTION OF TUNNELS/VIADUCTS AT IDENTIFIED SLIDING/SLIP ZONES IN DESIGN CH. 130+550 TO CH. 130+750; CH. 131+170 TO CH. 131+763, CH. 132+560 TO CH. 133+168, CH. 133+590 TO CH. 133+743 AND CH. 147+877 TO 148+715 IN UDHAMPUR-RAMBAN SECTION OF NH-44 IN THE UT OF J&K UNDER RESIDUAL NHDP ON EPC MODE

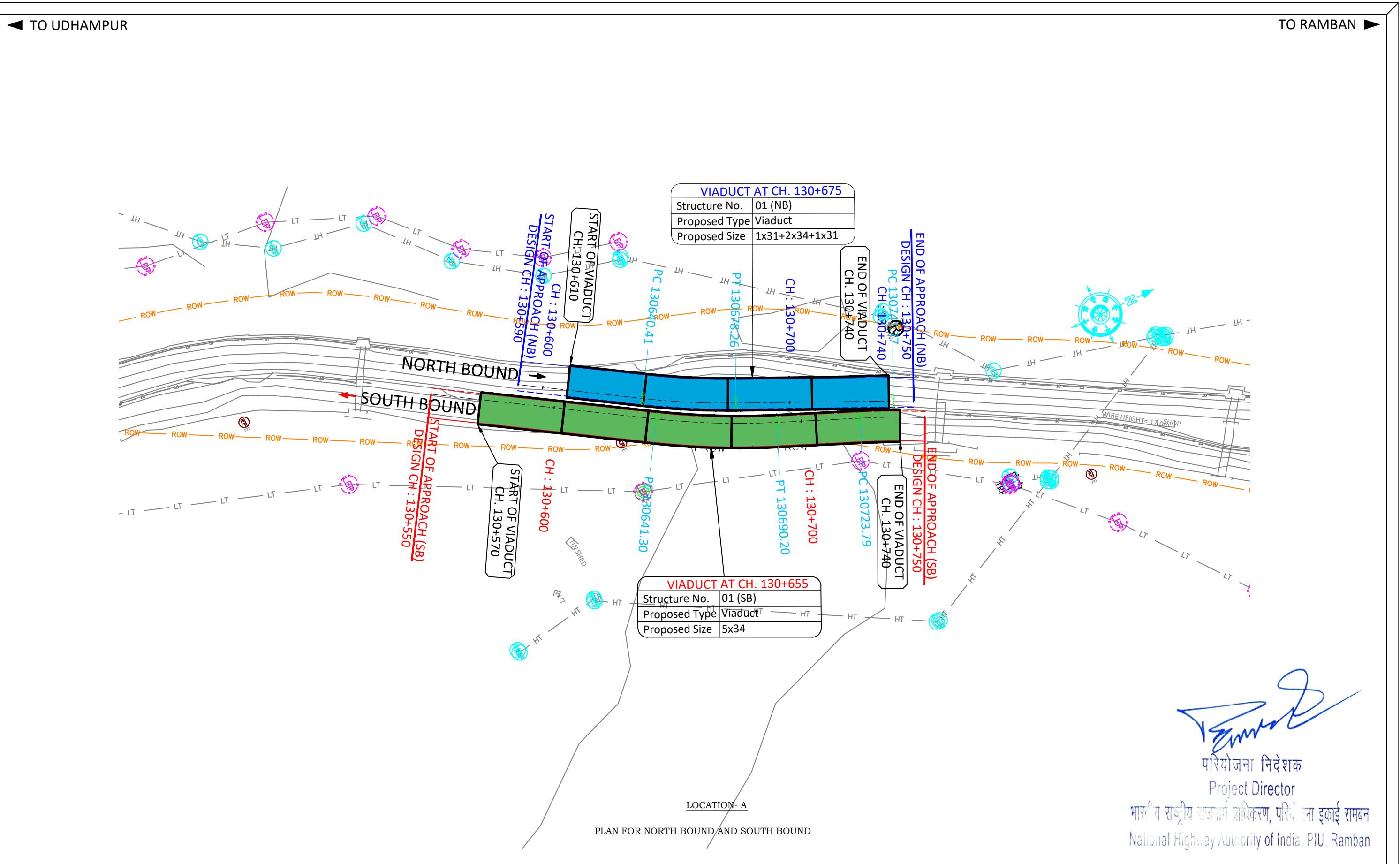
Drawing Name :-

LEGEND


 Intercontinental Consultants & Technocrats Pvt. Ltd.,
 in Joint Venture with

 ALTINOK Consulting Engineering Inc.
 A-8, Green Park, New Delhi - 110016, India

Revisions	Date	Description
Revisions		
M Srivastava	Madhusudhan Rao	Manoj Kumar
Prepared by	Designed by	Checked by
Sandip Bhattacharjee	Approved by	Scale :- N.T.S.
		Rev. R0



परियोजना निदेशक

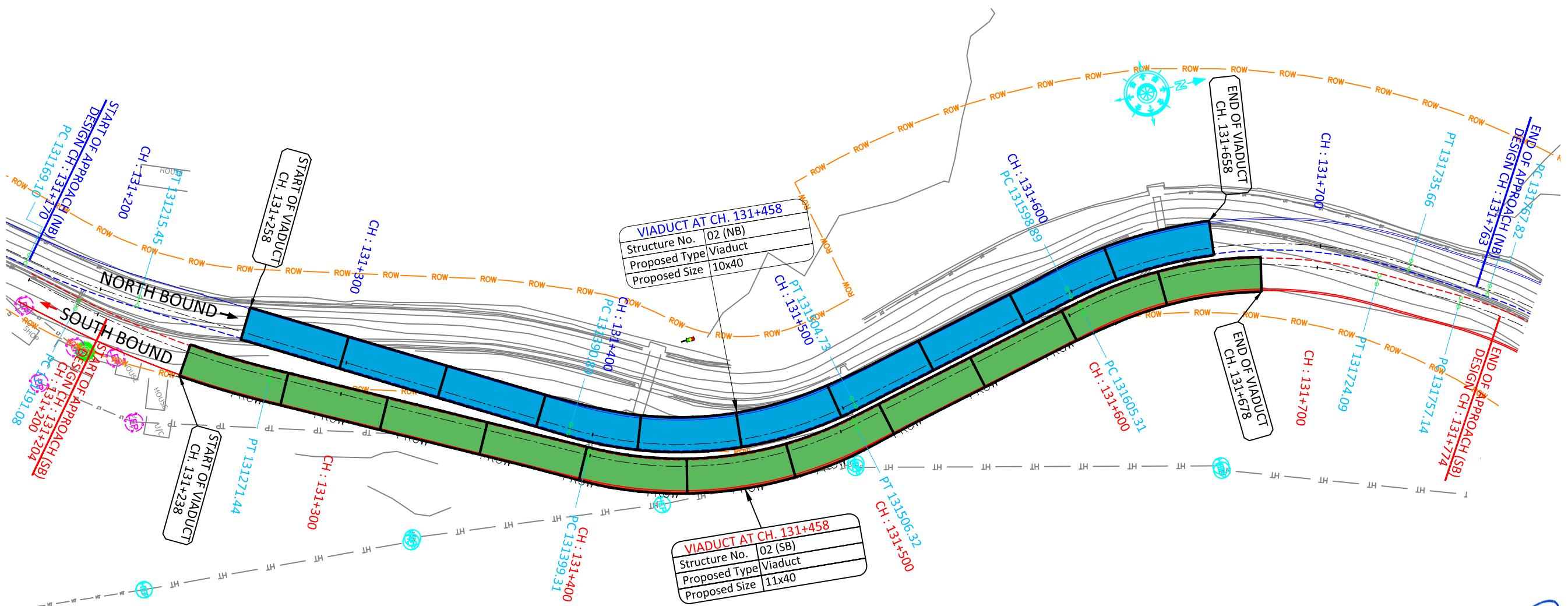
Project Director

भारतीय सड़ीय पर्यावरण विभाग, परियोजना इकाई, रामबान
National Highway Authority of India, PIU, Ramban

Note:- 1. All Dimensions are in meter, unless otherwise specified.				
Client :-  NATIONAL HIGHWAYS AUTHORITY OF INDIA	Project Title :- CONSTRUCTION OF TUNNELS/VIADUCTS AT IDENTIFIED SLIDING/SLIP ZONES IN DESIGN CH. 130+550 TO CH. 130+750; CH. 131+170 TO CH. 131+763, CH. 132+560 TO CH. 133+168, CH. 133+590 TO CH. 133+743 AND CH. 147+877 TO 148+715 IN UDHAMPUR-RAMBAN SECTION OF NH-44 IN THE UT OF J&K UNDER RESIDUAL NHDP ON EPC MODE	Drawing Name :-		
		Intercontinental Consultants & Technocrats Pvt. Ltd., in Joint Venture with ALTINOK Consulting Engineering Inc.   A-8, Green Park, New Delhi - 110016, India	RO	September - 2021
		Revisions	Date	Description
		Revisions		
Prepared by	Designed by	Checked by	Approved by	Drawing Title :- NHAI / UDM - RAM / PLAN / 01
M Srivastava	Madhusudhan Rao	Manoj Kumar	Sandip Bhattacharjee	Rev. RO
				Scale :- H 1 : 1000 (on A2 Sheet)

◀ TO UDHAMPUR

TO RAMBAN ►



LOCATION- B

PLAN FOR NORTH BOUND AND SOUTH BOUND



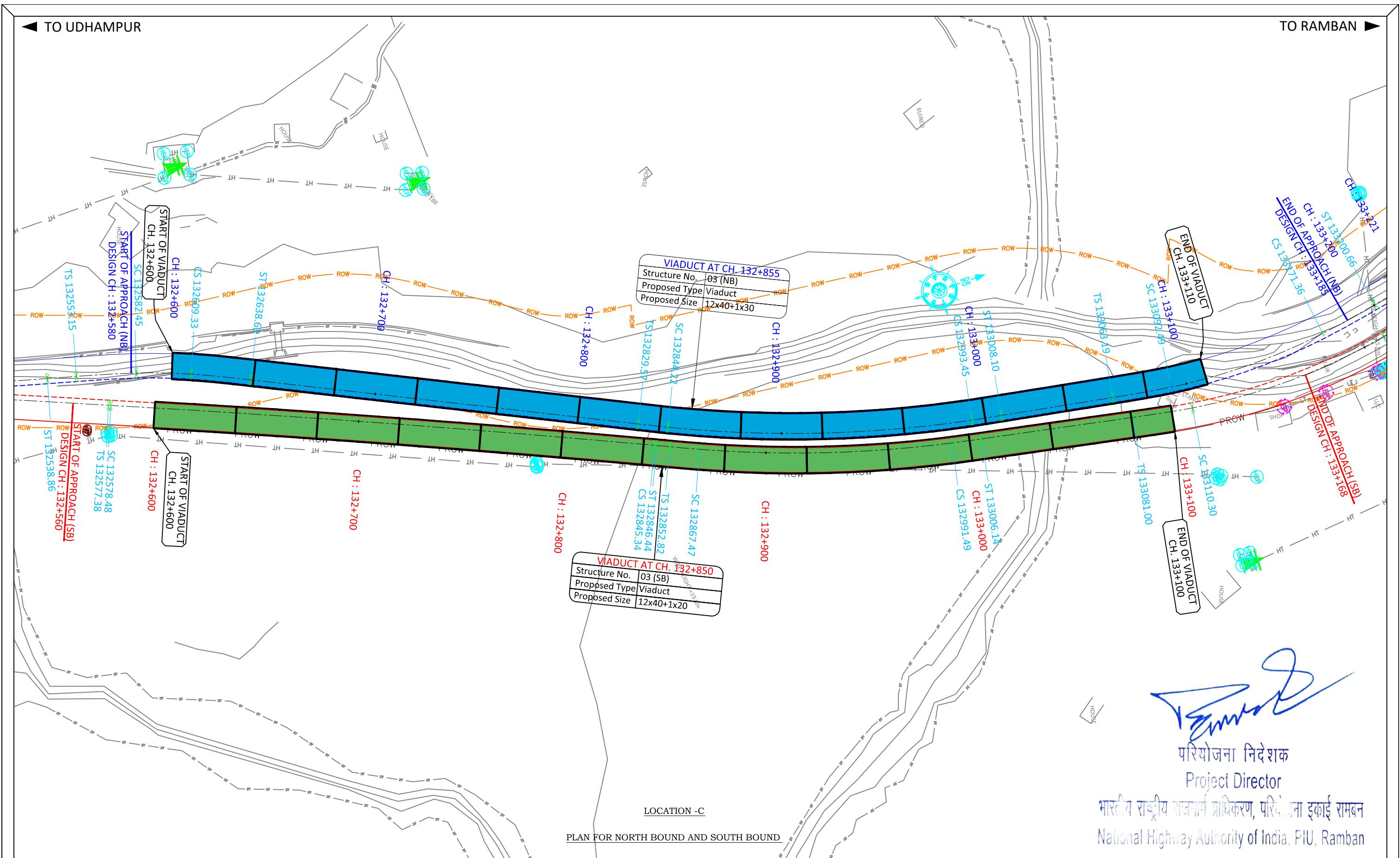
Project Director

Project Director

भारतीय राष्ट्रीय सड़कों प्राधिकरण, परिवेश ना इकाई रामबन National Highway Authority of India, PIU, Ramban

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			R0	September - 2021
			Revisions	Date
			Revisions	
Drawing Title :- NHAI / UDM - RAM / PLAN / 04				Rev. R0
Prepared by	Designed by	Checked by	Approved by	Scale :- H 1 : 1200 (on A2 Sheet)



Client :-

NATIONAL HIGHWAYS
AUTHORITY OF INDIA

Project Title :-
 CONSTRUCTION OF TUNNELS/VIADUCTS AT IDENTIFIED SLIDING/SLIP ZONES IN DESIGN CH. 130+550 TO CH. 130+750; CH. 131+170 TO CH. 131+763, CH. 132+560 TO CH. 133+168, CH. 133+590 TO CH. 133+743 AND CH. 147+877 TO 148+715 IN UDHAMPUR-RAMBAN SECTION OF NH-44 IN THE UT OF J&K UNDER RESIDUAL NHDP ON EPC MODE

Drawing Name :-

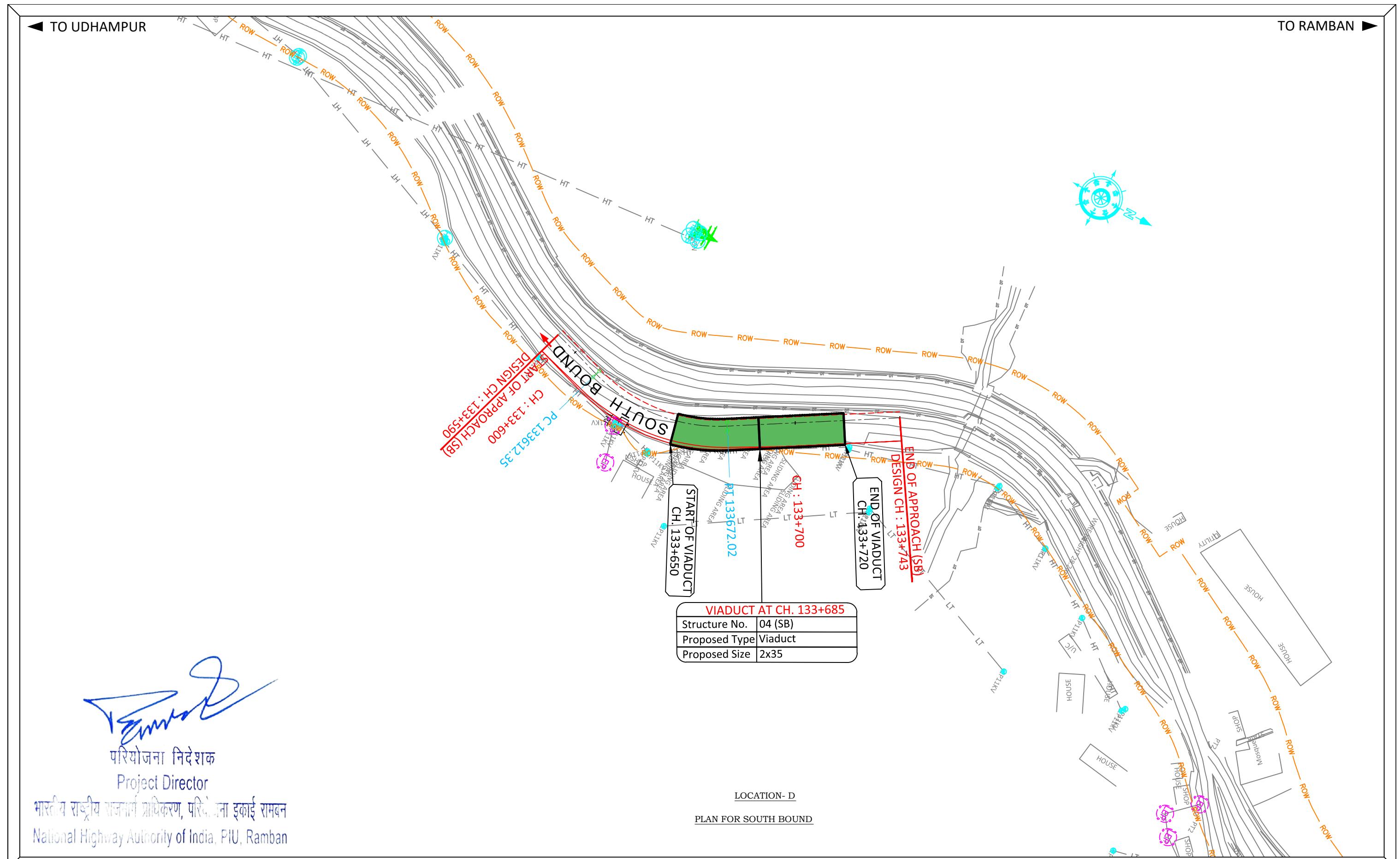
Ch. 132+580 to 133+185 (NB)
 Ch. 132+560 to 133+168 (SB)

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M Srivastava *HS* Madhusudhan Rao *MF* Manoj Kumar *Manoj* Sandip Bhattacharjee *SBD*
 Prepared by Designed by Checked by Approved by

Note:- 1. All Dimensions are in meter, unless otherwise specified.			
Revisions	September - 2021	Initial Plan	
			Description
Revisions			
			Revisions
			Drawing Title :- NHAI / UDM - RAM / PLAN / 07
			Rev. R0
			Scale :- H 1 : 1200 (on A2 Sheet)



परियोजना निदेशक

Project Director

भारतीय राष्ट्रीय सड़कार्य प्राधिकरण, परियंता इकाई रामबान

National Highway Authority of India, PIU, Ramban

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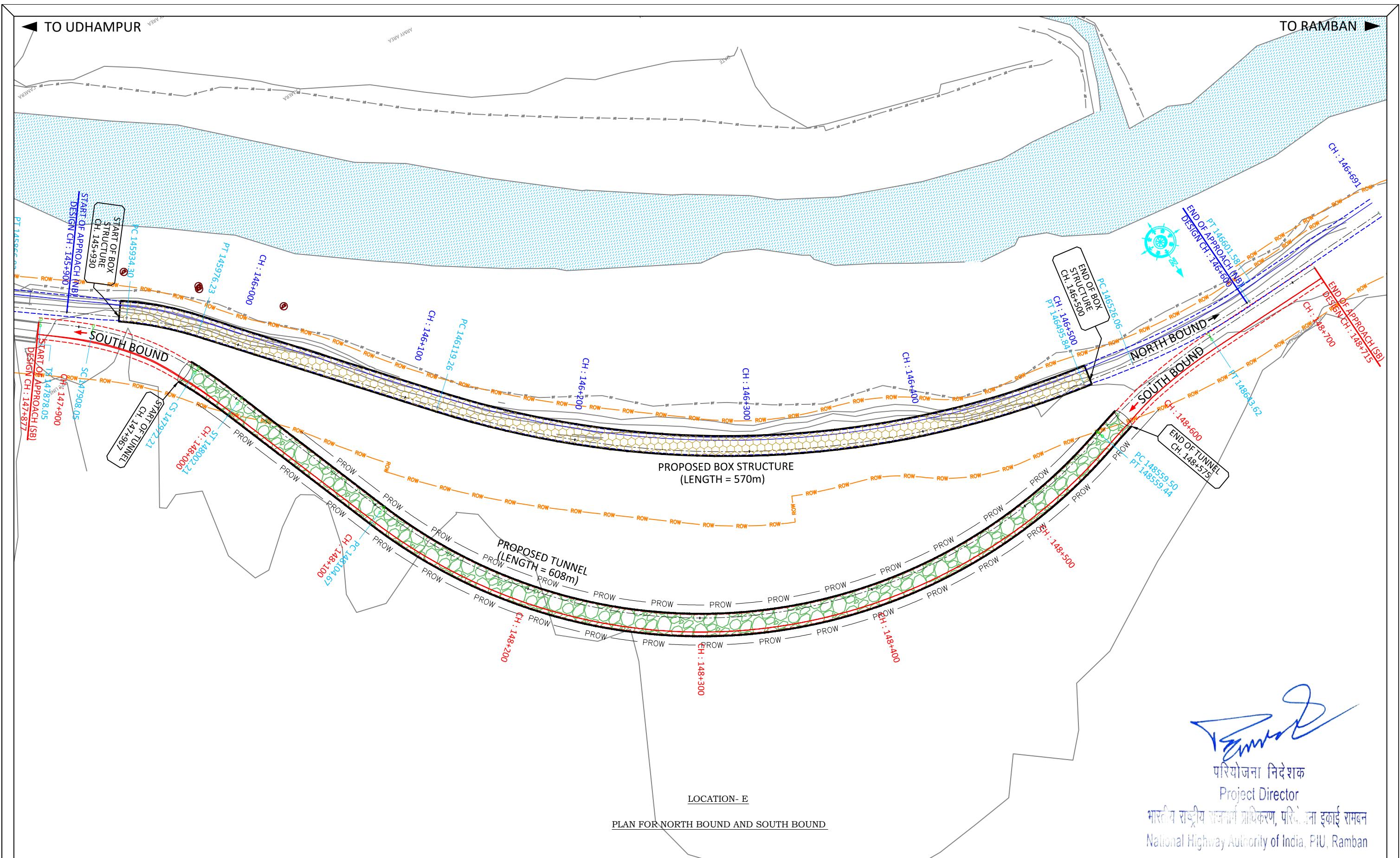
Drawing Name : ..

Ch. 133+590 to 133+743 (SB)



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Note:- 1. All Dimensions are in meter, unless otherwise specified.		
R0	September - 2021	Initial Plan
Revisions	Date	Description
Revisions		
Drawing Title :- NHAI / UDM - RAM / PLAN / 10		Rev. R0
Scale :- H 1 : 1000 (on A2 Sheet)		



Client :-
 **NATIONAL HIGHWAYS AUTHORITY OF INDIA**

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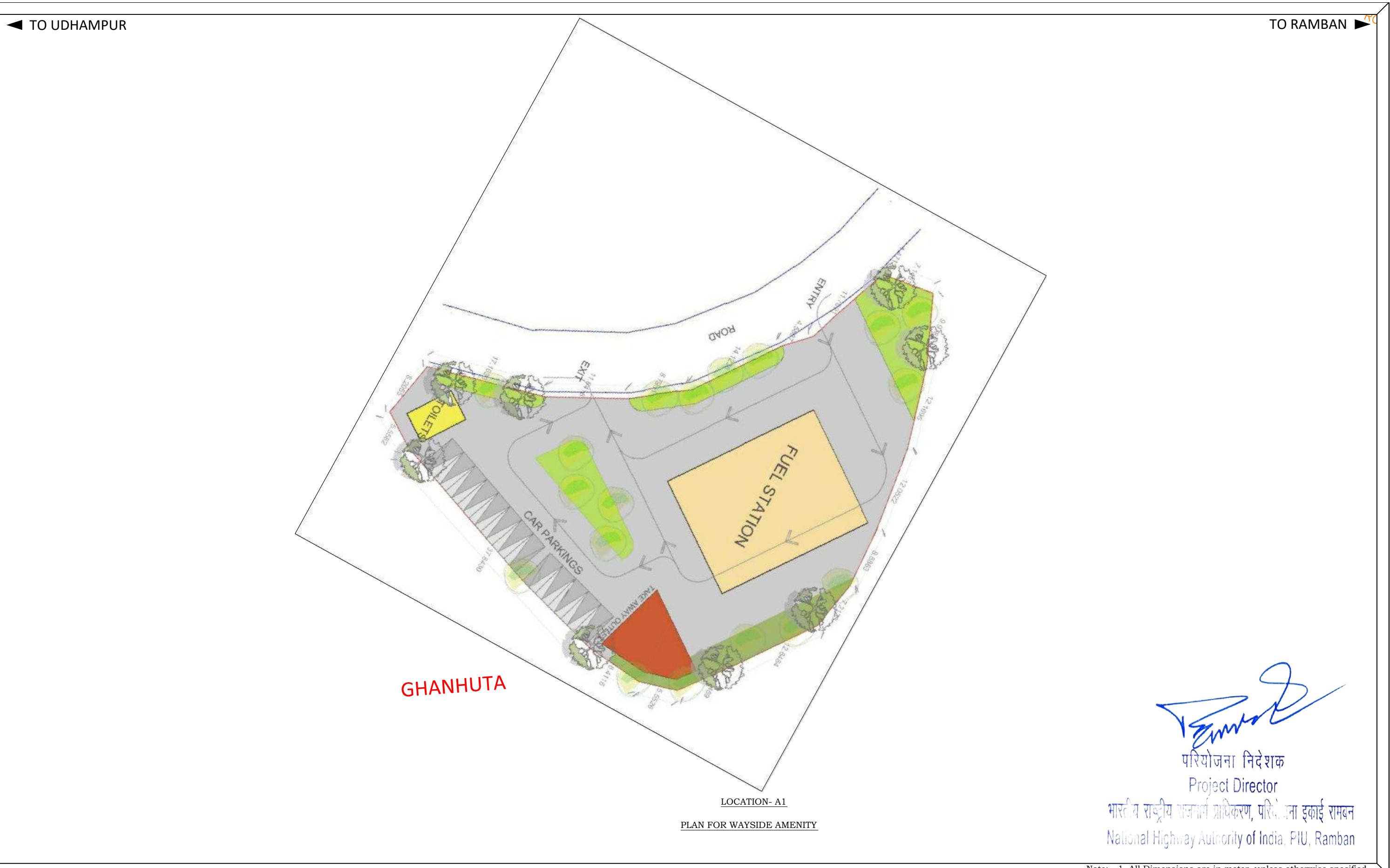
Drawing Name :-
**Ch. 145+900 to 146+600 (NB)
Ch. 147+877 to 148+715 (SB)**

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XITINOK A-8, Green Park, New Delhi - 110016, India

 M Srivastava	 Madhusudhan Rao	 Manoj Kumar	 Sandip Bhattacharjee
Prepared by	Designed by	Checked by	Approved by

Revisions	Date	Description
Revisions		
Drawing Title :- NHAI / UDM - RAM / PLAN / 12		Rev. R0
Scale :- H 1 : 1400 (on A2 Sheet)		


परियोजना निदेशक
Project Director
भारतीय राष्ट्रीय सड़कों प्राधिकरण, परियोजना इकाई रामबन
National Highway Authority of India, PIU, Ramban



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Drawing Name :-
Ch. 146+690 (SB)

Intercontinental Consultants & Technocrats Pvt. Ltd., in Joint Venture with ALTINOK Consulting Engineering Inc.


A-8, Green Park, New Delhi - 110016, India

Revisions	Date	Description
Revisions		
M Srivastava	Madhusudhan Rao	Manoj Kumar
Prepared by	Designed by	Checked by
Approved by	Drawing Title :- NHAI / UDM - RAM / PLAN / 10	
Rev. R0	Scale :- H 1 : 1000 (on A2 Sheet)	