

#### Notes:

- 1-TORQUE CALIBRATED TO FORM 2-TON FORCE IN THE NUTS BOLTDA WILL BE BORED WITH THE KEY.
- 2-OUT 5-6 cm. THE ENDS OF THE BOLT WILL BE CUT WITH OXYGEN.
- 3-MESH STEEL RADIAL DIRECTION 3 EYE, LONGITUDINAL DIRECTION 2 EYE OVERLAP.
- 4-IF AMBIENT CONDITIONS ARE MORE VARIABLE THAN EXPECTED, THE BOLT AND WIP APPLICATION LENGTH, RANGE, SHAPE AND TYPE (SUPPORT SYSTEMS) ENGINEER AND WILL BE REVISED ON SITE WITH THE APPROVAL OF THE ADMINISTRATION.
- 5-TUNNEL PORTAL EXCAVATION; EXCAVATION STAGE HEIGHT 2.5m. TO be DONE, AN UPPER SHEV EXCAVATION WILL NOT BE ENTERED INTO A SUB-SEV EXCAVATIONS BEFORE COMPLETION.
- 6-SUPPORT SYSTEM (Genus and Quantity) ENVIRONMENTAL CONDITIONS ENCOUNTERED DURING EXCAVATION BE REVISED BY THE ENGINEER AND THE ADMINISTRATION.
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- 8-PG BOLT and IBO BOLT WHEN ALL BOLT need TO be DESIGNATED as SN BOLT REPLACEABLE

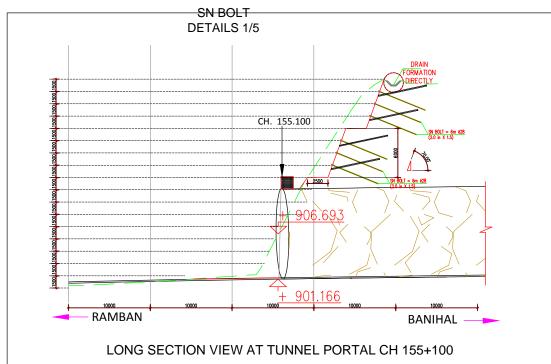
9-COORDINATES ARE IN THE UTM SYSTEM.

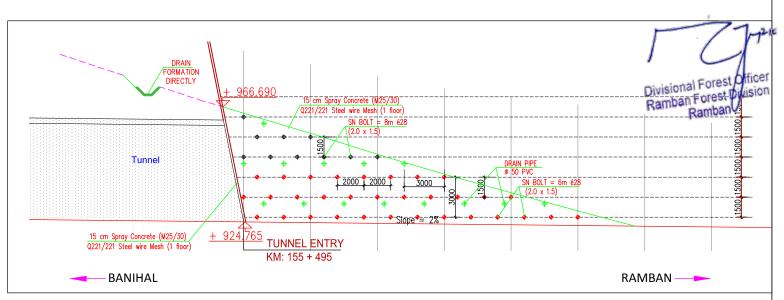
MAteriAl 1-BOLT 2- WIRE MESH

3-SPRAY CONCRETE

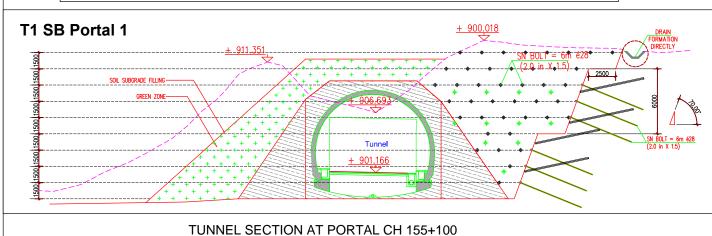
:Ø28mm TOR : Q221/221 : M20/25

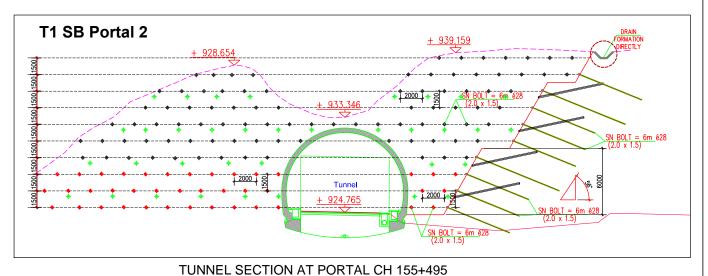
Project Director भारतेन राष्ट्रीय चनावर्ग प्रविकल्ल, परिते जन इकई रामदन National Highway Authority of India, P.W. Ramben





## LONG SECTION VIEW AT TUNNEL PORTAL CH 155+495





From Existing Ch.148+047 (NB) / Ch.150+056(SB) to Design. NATIONAL HIGHWAYS Ch.154+210 (NB)/ Ch.155+940(SB), (Section - I)

Project Title :-

	n Interco	ontinental Consu	ltants & Techn	ocrats Pvt. Ltd	R1	June - 2021	Initial P	lan
		in Joint Venture with  ALTINOK Consulting Engineering Inc.				February - 2021	Initial P	lan
	VIIIIOV					Date	Descript	ion
	NDIA PRIVATE LIMITED A	-8, Green Park, N	Iew Delhi - 110	016, India	Revisions			
	YGP	V		Drawing Title :- NHAI / R	AM - BAIN / PD / 01		Rev. 00	
	Prepared by Designed by Checked by Approved by			Scale - N.T.S.	·			

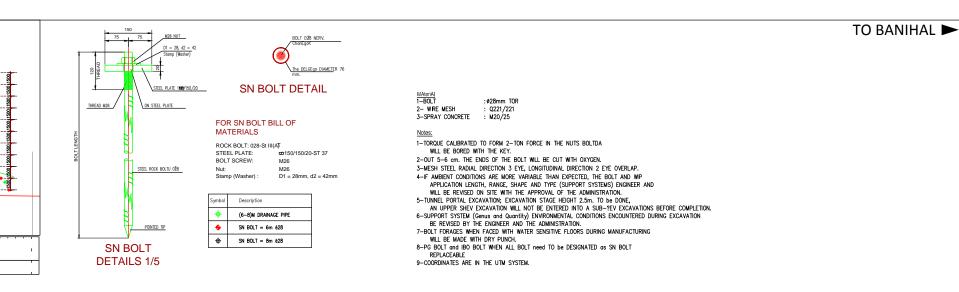
# Client :-

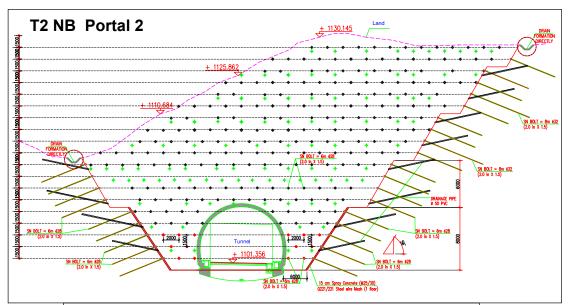
AUTHORITY OF INDIA

Drawing Name :-

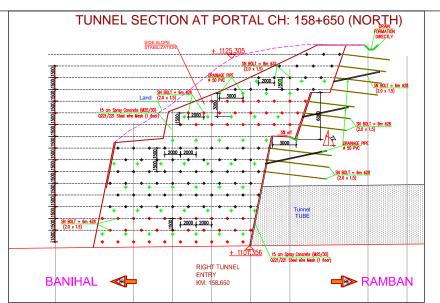
FINAL FEASIBILITY REPORT TUNNEL (AT1) CH:155 + 100.00-CH: 155 + 495 PORTAL EXCAVATION PLAN

AND SECTIONS





LONG SECTION VIEW AT TUNNEL PORTAL



T2 NB Portal 1

+ 983.131

| PRANA FORMAND PORTAL | PROPERTY | PRO

TUNNEL SECTION AT PORTAL CH: 154+415 (NORTH)

परियोजना निर्देशक Project Director भारतेय राष्ट्रीय अवग्रम प्रतिकला, परिते जब इकई राक्टन Malanal Highway Authority of India, P.W., Ramben Divisional Forest Officer Ramban Forest Division Ramban

#### LONG SECTION VIEW AT TUNNEL PORTAL

Client :-

TORAMBAN

30

25

BANIHA M

Project Title :-

NATIONAL HIGHWAYS

**AUTHORITY OF INDIA** 

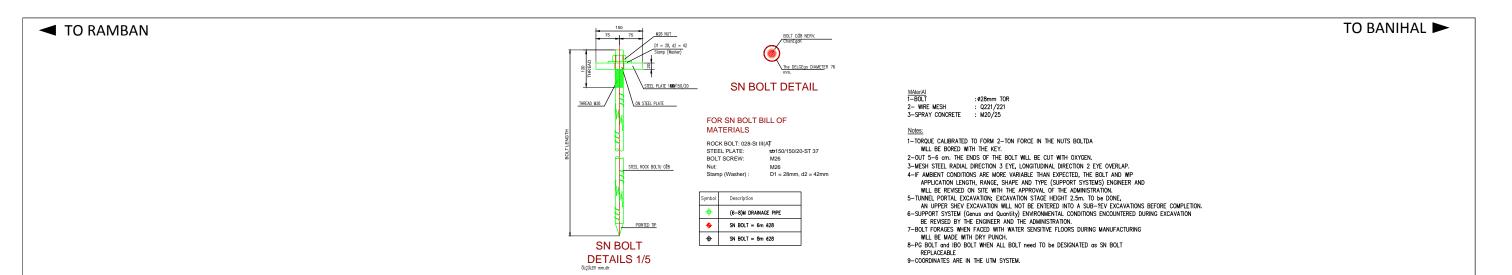
Construction of Four Laning of part of Ramban to Banihal Section of NH-1A (Now NH-44), from Ch.154+210 to Ch.158+675 (North Bound) and from Ch.155+940 to Ch.160+282 (South Bound) including Construction of Twin Tube Tunnel (Package-I) in the UT of Jammu & Kashmir on EPC Mode

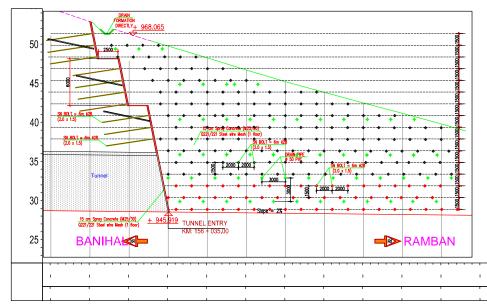
RAMBAN

#### Drawing Name :-

FINAL FEASIBILITY REPORT TUNNEL (AT2) CH:154 + 415.00-CH: 158 + 650.00 (NORTH) PORTAL EXCAVATION PLAN AND SECTIONS

	A Int	ercontinental Co	nsultants & Tec	hnocrats Pvt. Ltd.,	R1	June - 2021	Initial Plan	
	in Joint Venture with				R0	March - 2021	Initial Plan	
	_A	ALTINOK C	onsulting Engin	eering Inc.	Revisions	Date	Descripti	ion
1)	A-8, Green Park, New Delhi - 110016, India				Revisions			
	48	<b>@</b>	bet.	<b>3</b>	Drawing Title :- NHAI / RA	AM-BANI / NB/PD/ 01		Rev.
	YGP	RC	SWB	Sandip Bhattacharjee				R0
	Prepared by Designed by Checked by Approved by			Scale:- N.T.S		Sheet No :- (	01 of 03	





LONG SECTION VIEW AT TUNNEL PORTAL

TUNNEL SECTION AT PORTAL CH: 156+035 (SOUTH)

परियोजना निर्देशक Project Director मालोग गाणीय जजपर्य अधिकल्य, परियोजन इकई समस्त Malanal Highway Authority of India, P.W., Ramben Divisional Forest Officer Ramban Forest Division Ramban

Client :-

NATIONAL HIGHWAYS AUTHORITY OF INDIA

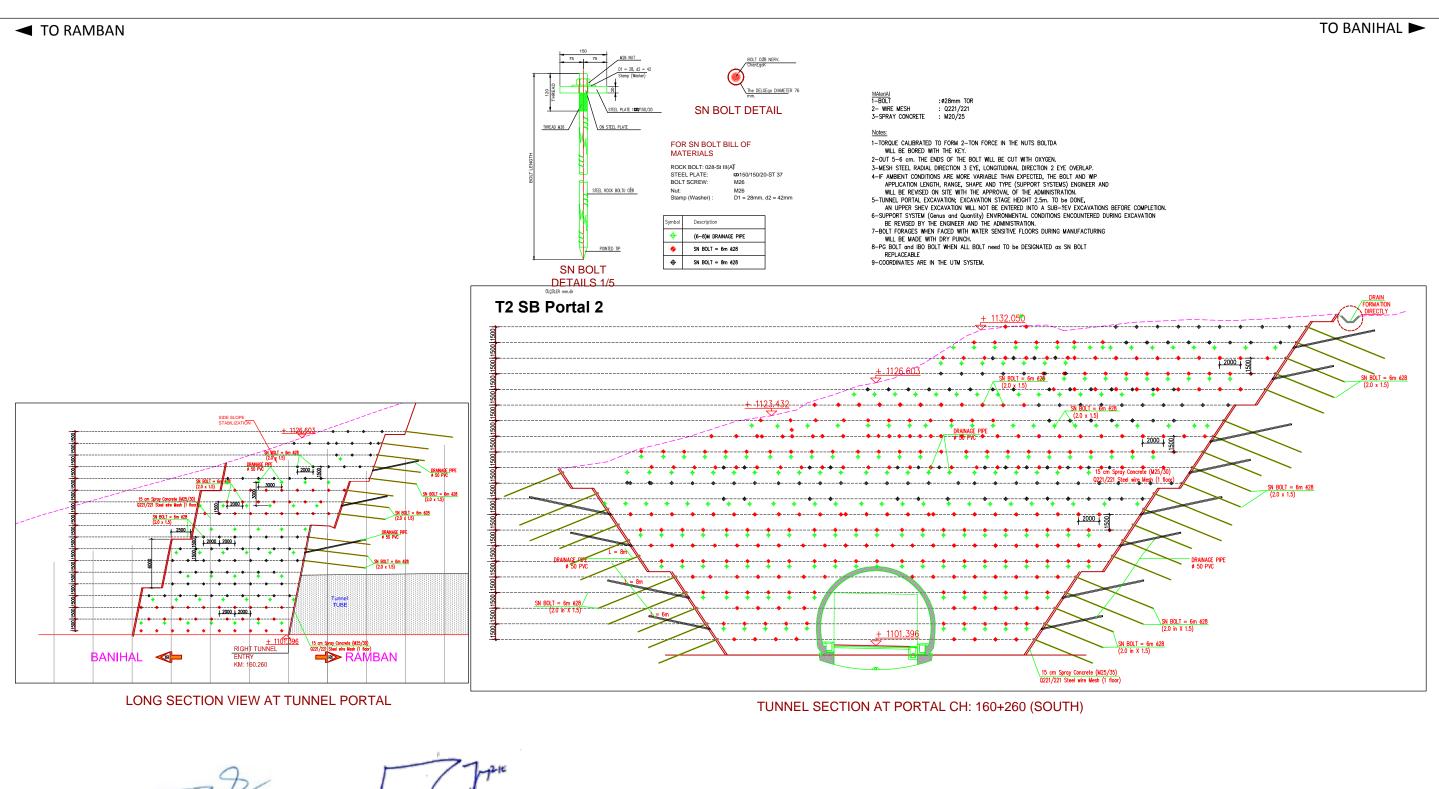
Project Title :-

Construction of Four Laning of part of Ramban to Banihal Section of NH-1A (Now NH-44), from Ch.154+210 to Ch.158+675 (North Bound) and from Ch.155+940 to Ch.160+282 (South Bound) including Construction of Twin Tube Tunnel (Package-I) in the UT of Jammu & Kashmir on EPC Mode

Drawing Name :-

FINAL FEASIBILITY REPORT TUNNEL (AT2) CH:156 + 035.00 (SOUTH) PORTAL EXCAVATION PLAN AND SECTIONS

	🖣 🖩 Int	ercontinental Co	nsultants & Tec	hnocrats Pvt. Ltd.,	R1	June - 2021	Initial Pla	an
	Intercontinental Consultants & Technocrats Pvt. Ltd., in Joint Venture with				R0	March - 2021	Initial Pla	an
	ALTINOK Consulting Engineering Inc. A-8, Green Park, New Delhi - 110016, India			Revisions	Date	Descripti	on	
				Revisions				
	# @ \# @-		Drawing Title :- NHAI / RA	AM-BANI / SB/PD/ 03		Rev.		
	YGP	RC SWB Sandip Bhattacharjee					R0	
	Prepared by	Designed by	Checked by	Approved by	Scale:- N.T.S	Sheet No :- (	03 of 03	



परियोजना निर्देशक Project Director

भारतीय राष्ट्रीय वाजापर्य प्रधिकरण, परिते प्रता इकई रामधन National Highway Authority of India, P.W. Ramben Divisional Forest Officer Ramban Forest Dwision

Client :-

NATIONAL HIGHWAYS **AUTHORITY OF INDIA** 

Project Title :-

Construction of Four Laning of part of Ramban to Banihal Section of NH-1A (Now NH-44), from Ch.154+210 to Ch.158+675 (North Bound) and from Ch.155+940 to Ch.160+282 (South Bound) including Construction of Twin Tube Tunnel (Package-I) in the UT of Jammu & Kashmir on EPC Mode

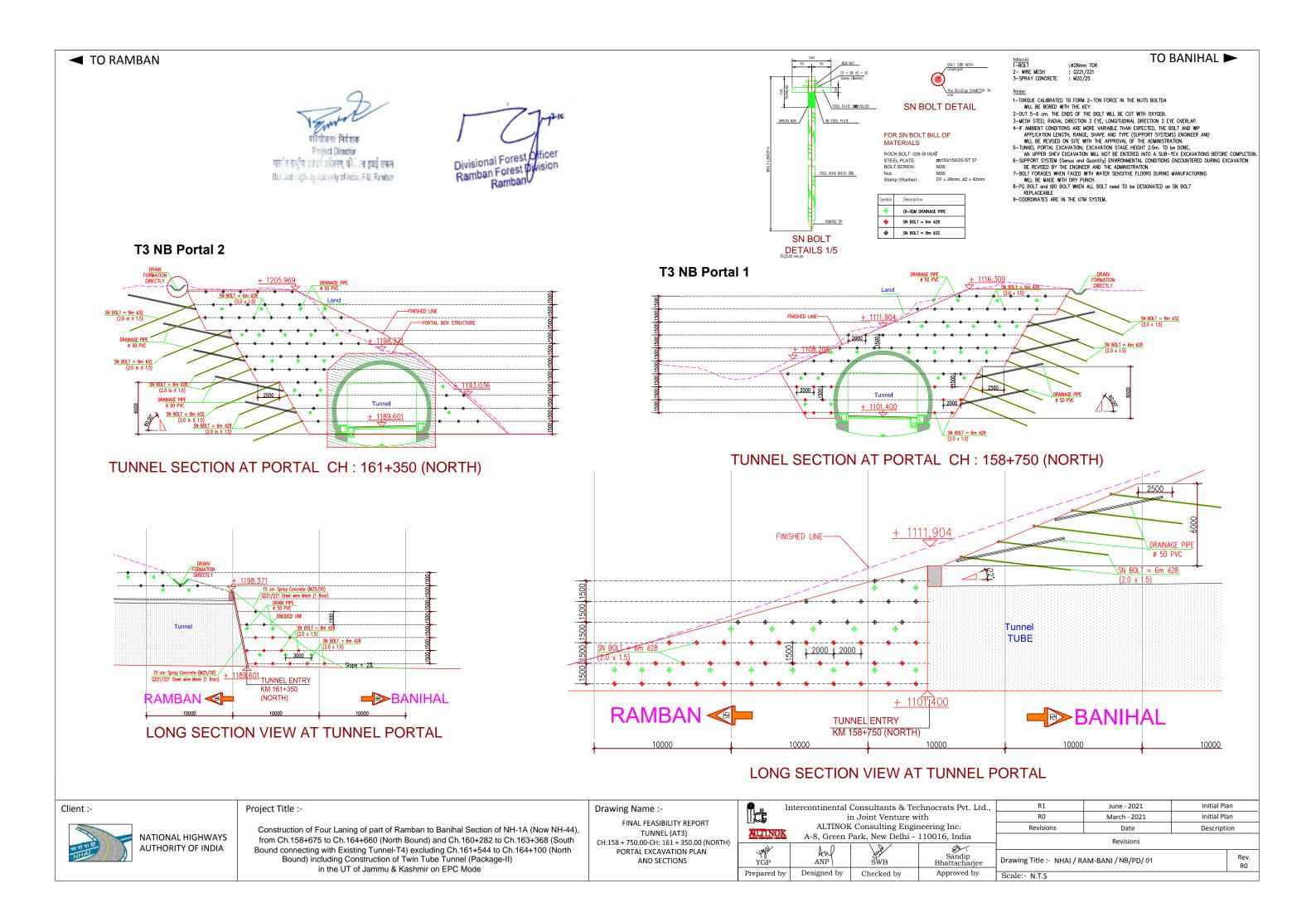
Drawing Name :-

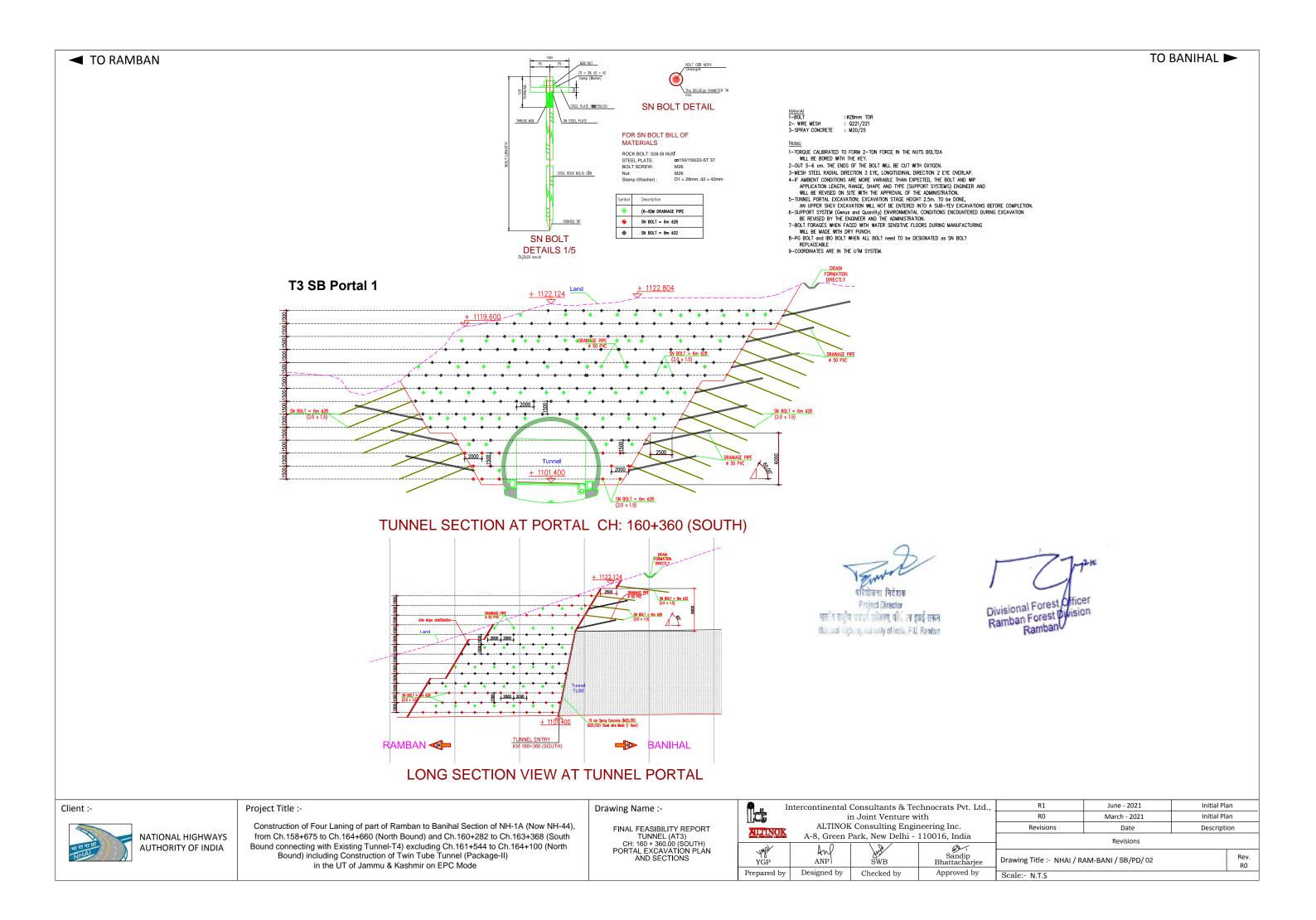
FINAL FEASIBILITY REPORT TUNNEL (AT2) CH: 160 + 260.00 (SOUTH) PORTAL EXCAVATION PLAN AND SECTIONS

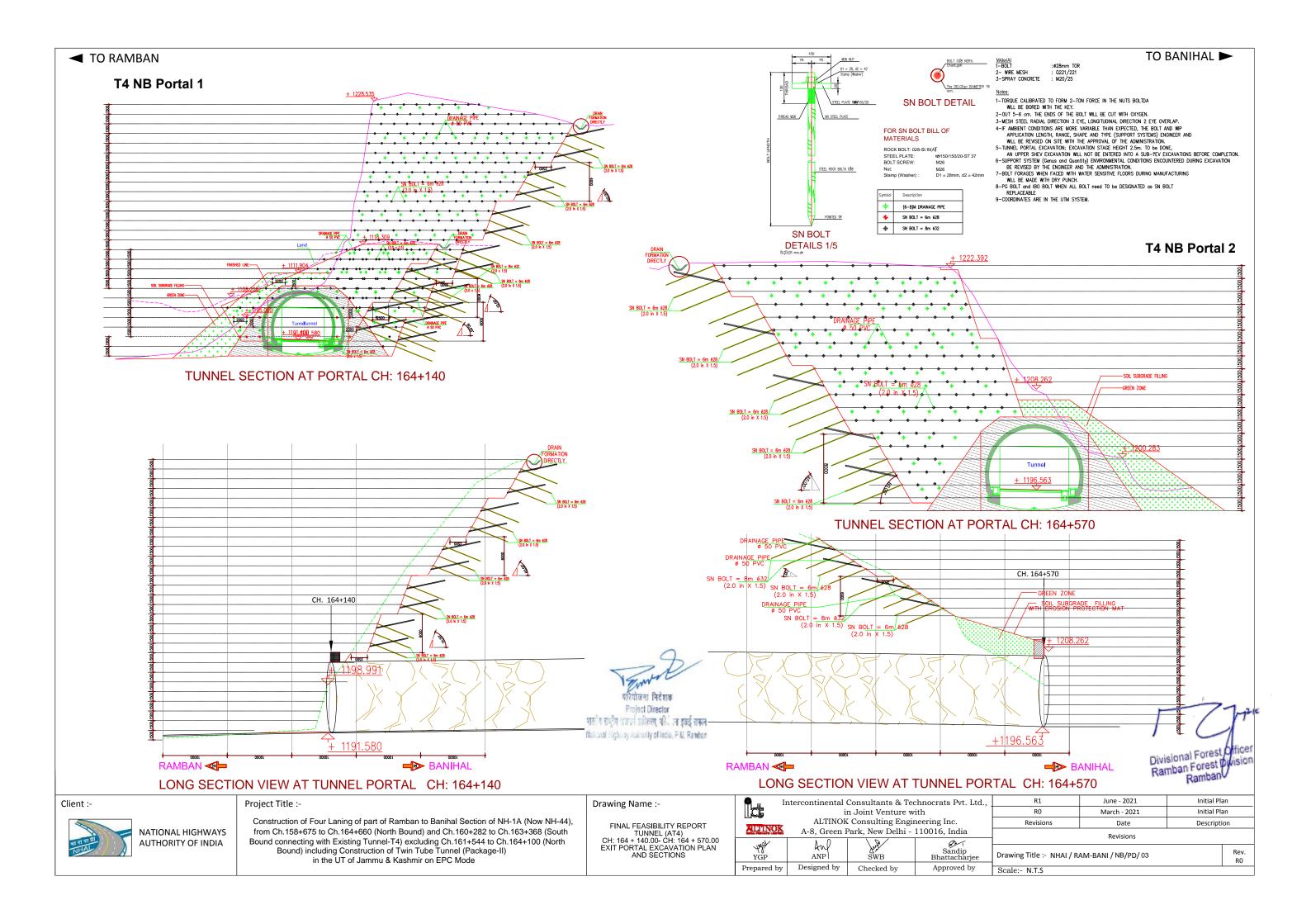
M In	tercontinental Co	nsultants & Tec	hnocrats Pvt. Ltd.,	R1	June - 2021	Initial Plan	
		oint Venture wi	,	R0	March - 2021	Initial Plan	
4	ALTINOK C	onsulting Engin	eering Inc.	Revisions	Date	Descript	ion
NOIA PRIVATE LIMITED	A-8, Green Par	k, New Delhi - 1	110016, India	Revisions			
YGP RC SWB Sandip Bhattacharjee				Drawing Title :- NHAI / R.	AM-BANI / SB/PD/ 02		Rev. R0

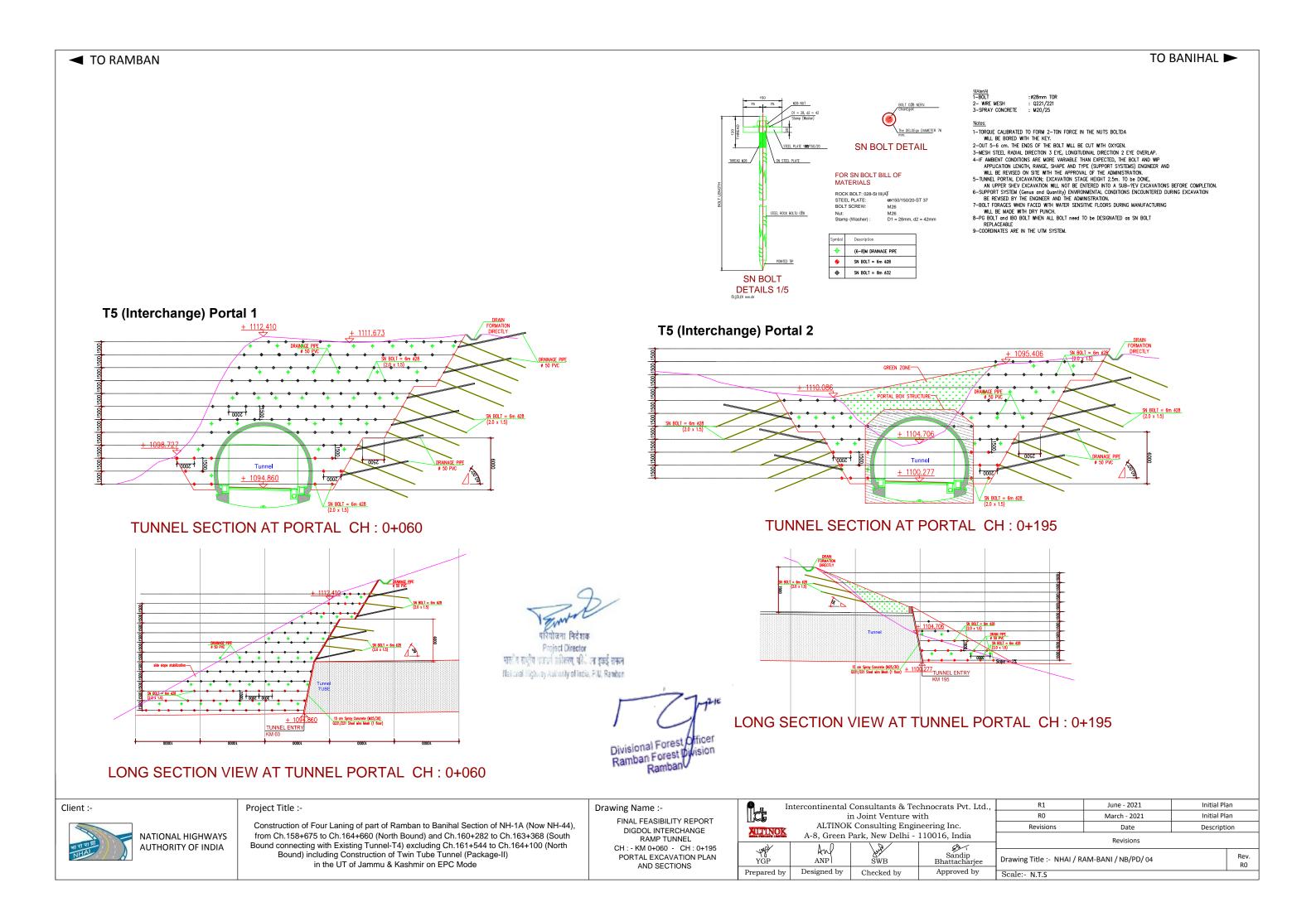
Sheet No :- 02 of 03

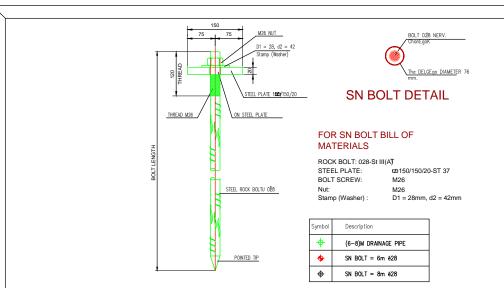
Prepared by Designed by Checked by Approved by Scale:- N.T.S

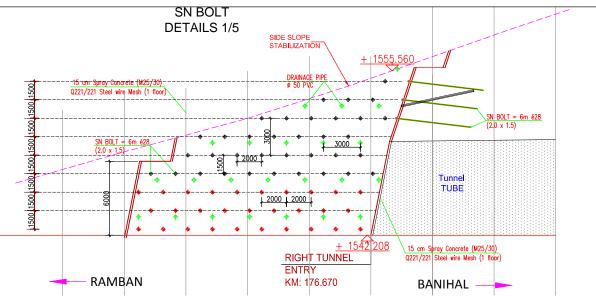




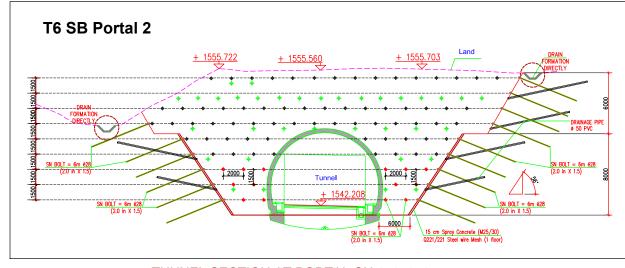








## LONG SECTION VIEW AT TUNNEL PORTAL CH 176.670



## TUNNEL SECTION AT PORTAL CH 176+670

NATIONAL HIGHWAYS AUTHORITY OF INDIA

From Design Ch.171+855 (NB)/ Ch.173+638 (SB) to Existing Ch.180+300 (NB)/ Ch.181+700 (SB), (Section - II)

Project Title :-

Client :-

# 1-TORQUE CALIBRATED TO FORM 2-TON FORCE IN THE NUTS BOLTDA

Notes:

WILL BE BORED WITH THE KEY.

2-OUT 5-6 cm. THE ENDS OF THE BOLT WILL BE CUT WITH OXYGEN.

3-MESH STEEL RADIAL DIRECTION 3 EYE, LONGITUDINAL DIRECTION 2 EYE OVERLAP.

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BE REVISED BY THE ENGINEER AND THE ADMINISTRATION.

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8-PG BOLT and IBO BOLT WHEN ALL BOLT need TO be DESIGNATED as SN BOLT

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9-COORDINATES ARE IN THE UTM SYSTEM.

MAteriAl

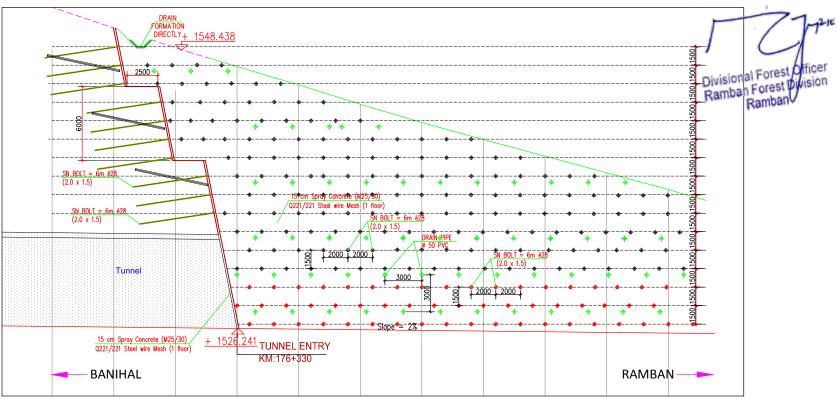
1-BOLT :Ø28mm TOR 2- WIRE MESH : Q221/221 3-SPRAY CONCRETE : M20/25 परियोजना निर्देशक Project Director भारतेन राष्ट्रीय जजानं अधिकरम्, परि. उन इकई राम्बन Malanal Highway Authority of India, P.W. Rambon

Initial Plan

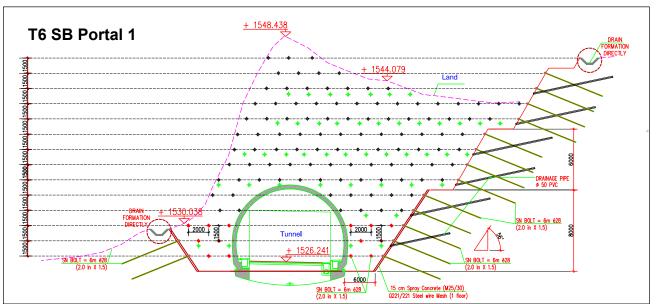
Description

Initial Plan

Rev. R0



### LONG SECTION VIEW AT TUNNEL PORTAL CH 176+330



#### TUNNEL SECTION AT PORTAL CH 176+330

Prepared by

Drawing Name :FINAL FEASIBILITY REPORT

TUNNEL (AT5)	
CH:176+670 00-CH: 176 330 00	
PORTAL EXCAVATION PLAN	
AND SECTIONS	

Inter	continental Consu	ltants & Techn	R1	June - 2021	
Inter	in Join	t Venture with	R0	February - 2021	
ALTINON	ALTINOK Cons	ulting Engineer	Revisions	Date	
NLI NOK	A-8, Green Park, N	New Delhi - 110	Revisions		
YGP ANP SWB Bhattacha				Drawing Title :- NHAI / R.	AM - BAIN / PD / 01

Designed by Checked by Approved by Scale - N.T.S.