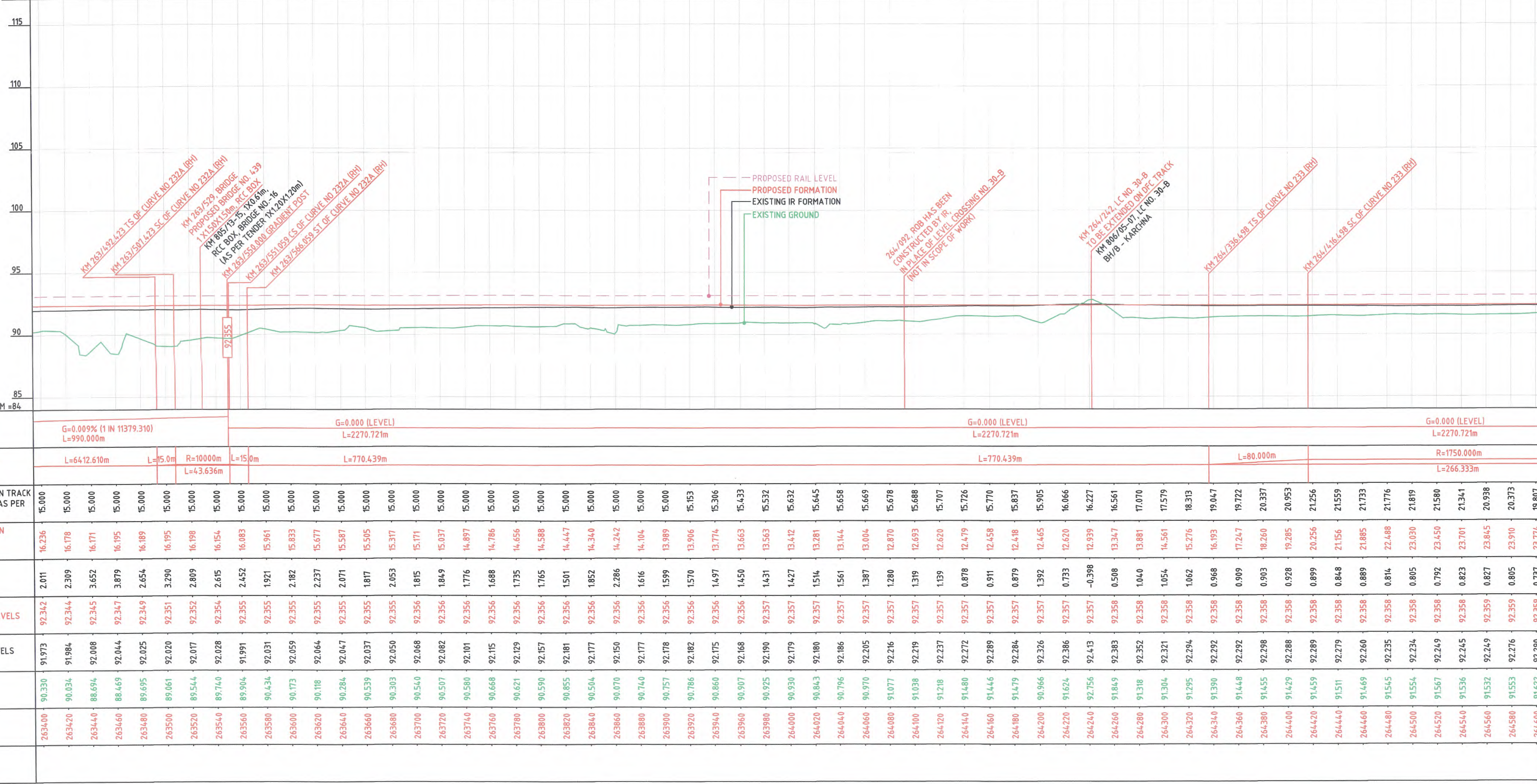
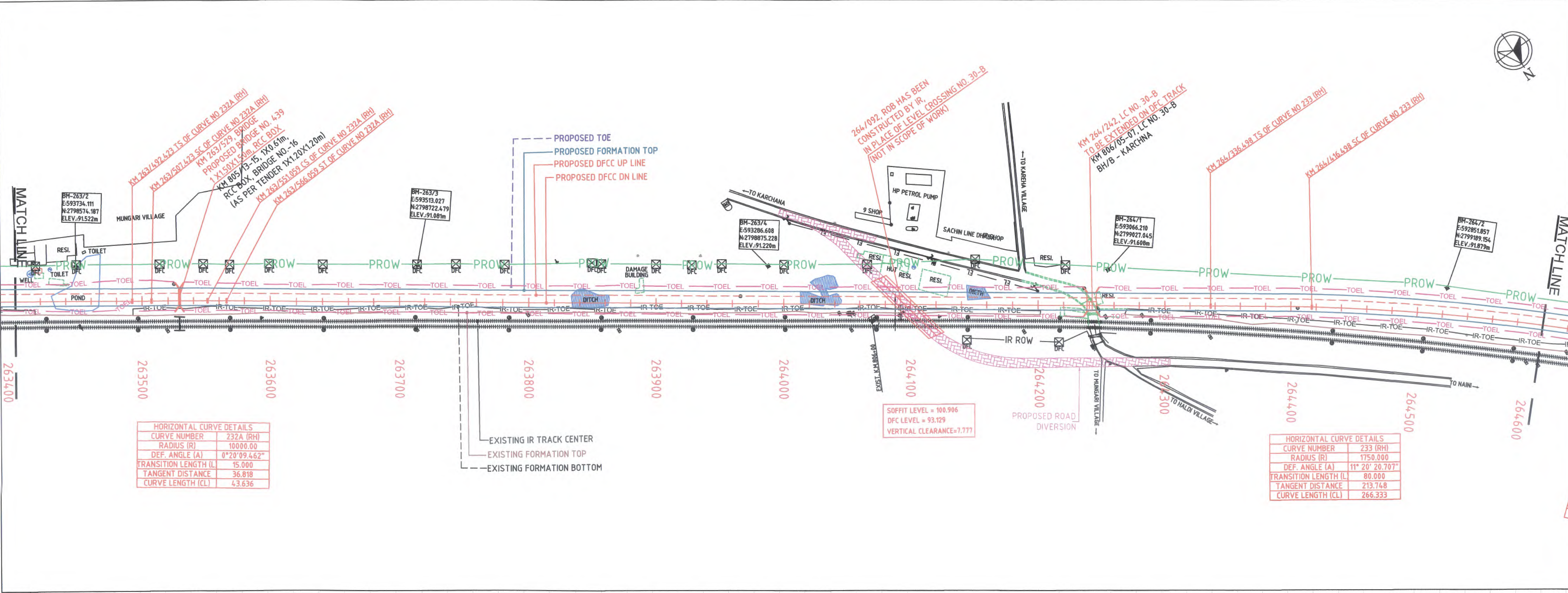


Chainage CH-263400 CH-264600

←HOWRAH

DELHI→



LEGEND:-

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE

- NOTES:-**
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 - ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
 - TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
 - CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
 - EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KM/H.
 - TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
 - DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
 - PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
 - AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.750m BY CUTTING THE EARTH.
 - FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE FROM KM. 263/400 TO KM. 264/600

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 2 1	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS		
REV	DATE	REMARKS
0	26/07/2018	DEFINITIVE

DRAWING STAGE

☐ FOR APPROVAL

☒ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV

DESIGN CONSULTANT:

STUP Consultants Pvt. Ltd.

REGISTERED OFFICE : 1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.

OFFICE OF ORIGIN KOLKATA

	DATE	NAME	SIGN.
DRAWN	26/07/2018	Z.C	
CHKD.	26/07/2018		
APPD.	26/07/2018	S. MITRA	
SUBMITTED BY GIL-SIL JV			
	DATE	NAME	SIGN.
CHKD.	24/10/2018	Reedhalk Garghate	
APPD.	24/10/2018	NISHITH K.SINGH	
NOC BY SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	24/10/2018	ANURAGH PRASAD	
NOC	24/10/2018	P. AMERI KANOS	
APPROVAL BY DFCC			
	DATE	NAME	SIGN.
CHKD.			
APPD.			

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←HOWRAH

Chainage CH-267000 CH-268200

→DELHI

SECTION-CP-201

LEGEND:-

- +++++ EXISTING IR TRACK
- PROW — PROW — PROPOSED DFCC TRACK
- IR-TOE — IR-TOE — DFCC ROW LINE
- TOEL — TOEL — EXISTING IR TOE LINE
- TOEL — TOEL — DFCC TOE LINE

NOTES:-

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
- CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
- EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KMPH.
- TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
- DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
- PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
- AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.75m BY CUTTING THE EARTH.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE FROM KM. 267/000 TO KM. 268/200

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 2 4	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

- ☐ FOR APPROVAL
☒ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV



DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

REGISTERED OFFICE :
 1004-5 RAHEJA CHAMBERS,
 NARIMAN POINT,
 MUMBAI 400 021.

OFFICE OF ORIGIN
 KOLKATA

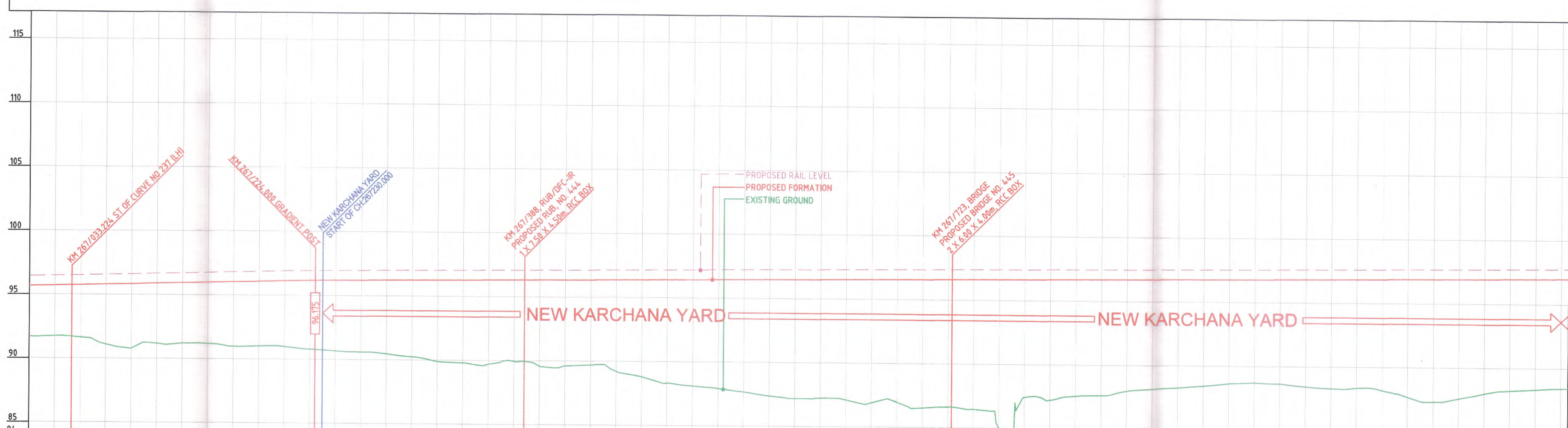
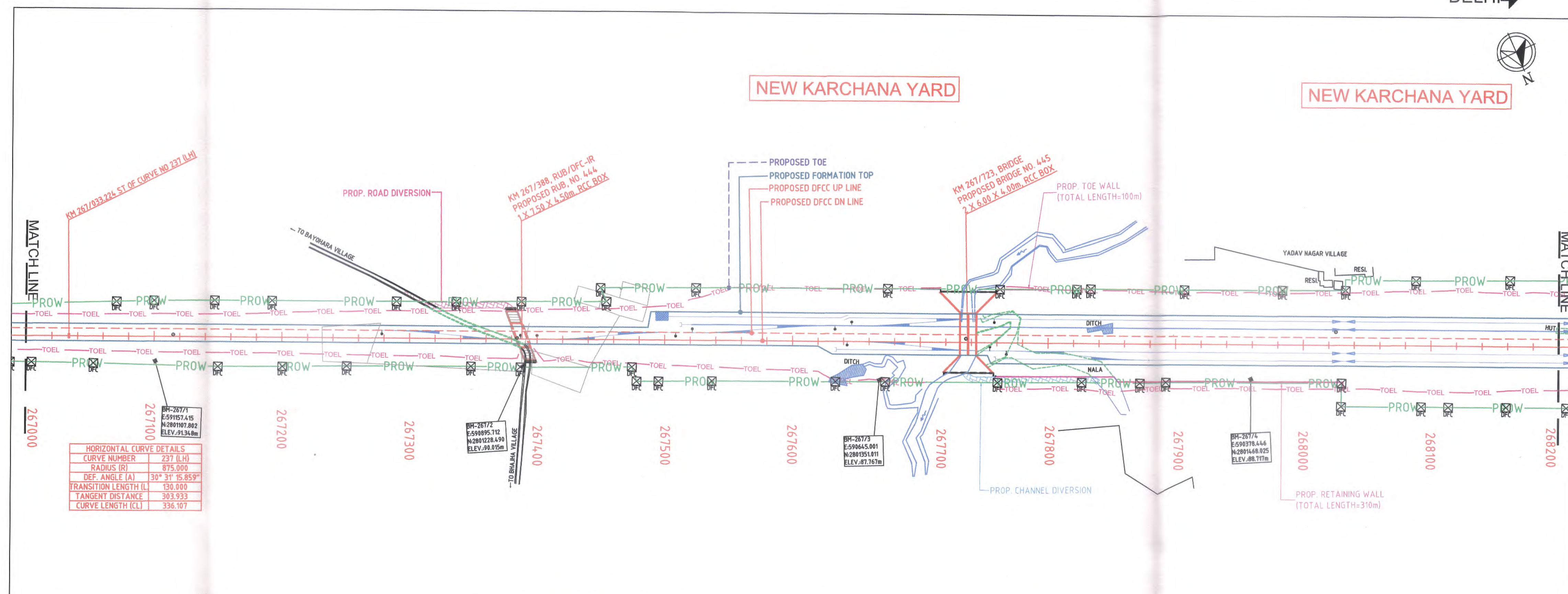
DATE	NAME	SIGN.
DRAWN 02/08/2018	SC	
CHKD. 02/08/2018		
APPD. 02/08/2018	S. MITRA	

DATE	NAME	SIGN.
CHKD. 12/10/2018	Reedhak Gupta	
APPD. 12/10/2018	NISHCHETH K. SINGH	

DATE	NAME	SIGN.
CHKD. 29-10-2018	ANURANJAN PRASAD	
NOC 29-10-2018	KAMAL SHARMA	

DATE	NAME	SIGN.
CHKD.		
APPD.		

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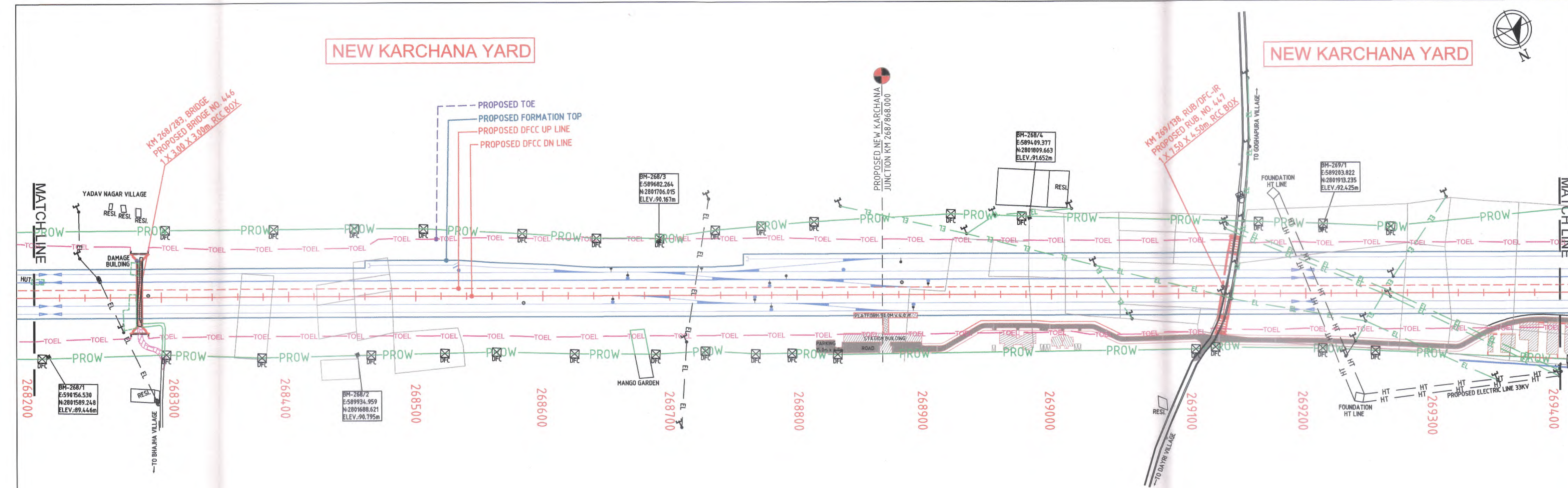
VERTICAL ALIGNMENT	G=0.234% (1 IN 426.965) L=654.000m		G=0.083% (1 IN 1204.915) L=3524.000m		G=0.083% (1 IN 1204.915) L=3524.000m	
HORIZONTAL ALIGNMENT	L=130.000m		L=2992.111m		L=2992.111m	
LHS R.O.W. DISTANCE FROM DOWN LINE TRACK	25.237	25.845	26.409	26.970	27.534	28.097
RHS R.O.W. DISTANCE FROM DOWN TRACK	20.309	20.520	20.803	21.147	21.590	22.032
FILL (+) / CUT (-)	3.975	3.971	4.117	4.692	5.050	5.485
PROPOSED FORMATION LEVELS	95.650	95.697	95.744	95.791	95.838	95.885
EXIST. IR FORMATION LEVELS	95.650	95.697	95.744	95.791	95.838	95.885
GROUND LEVELS	95.650	95.697	95.744	95.791	95.838	95.885
CHAINAGE	267000	267020	267040	267060	267080	267100
THROUGH CHAINAGE	267000	267020	267040	267060	267080	267100

Chainage | CH-268200 CH-269400

SECTION-CP-201

←HOWRAH

DELHI→



LEGEND:-

- +++++ EXISTING IR TRACK
- PROPOSED DFCC TRACK
- PROW — PROW — DFCC ROW LINE
- IR-TOE — IR-TOE — EXISTING IR TOE LINE
- TOEL — TOEL — DFCC TOE LINE

NOTES:-

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
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- TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
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- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE FROM KM. 268/200 TO KM. 269/400

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 2 5	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS

REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

- ☐ FOR APPROVAL
☒ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV



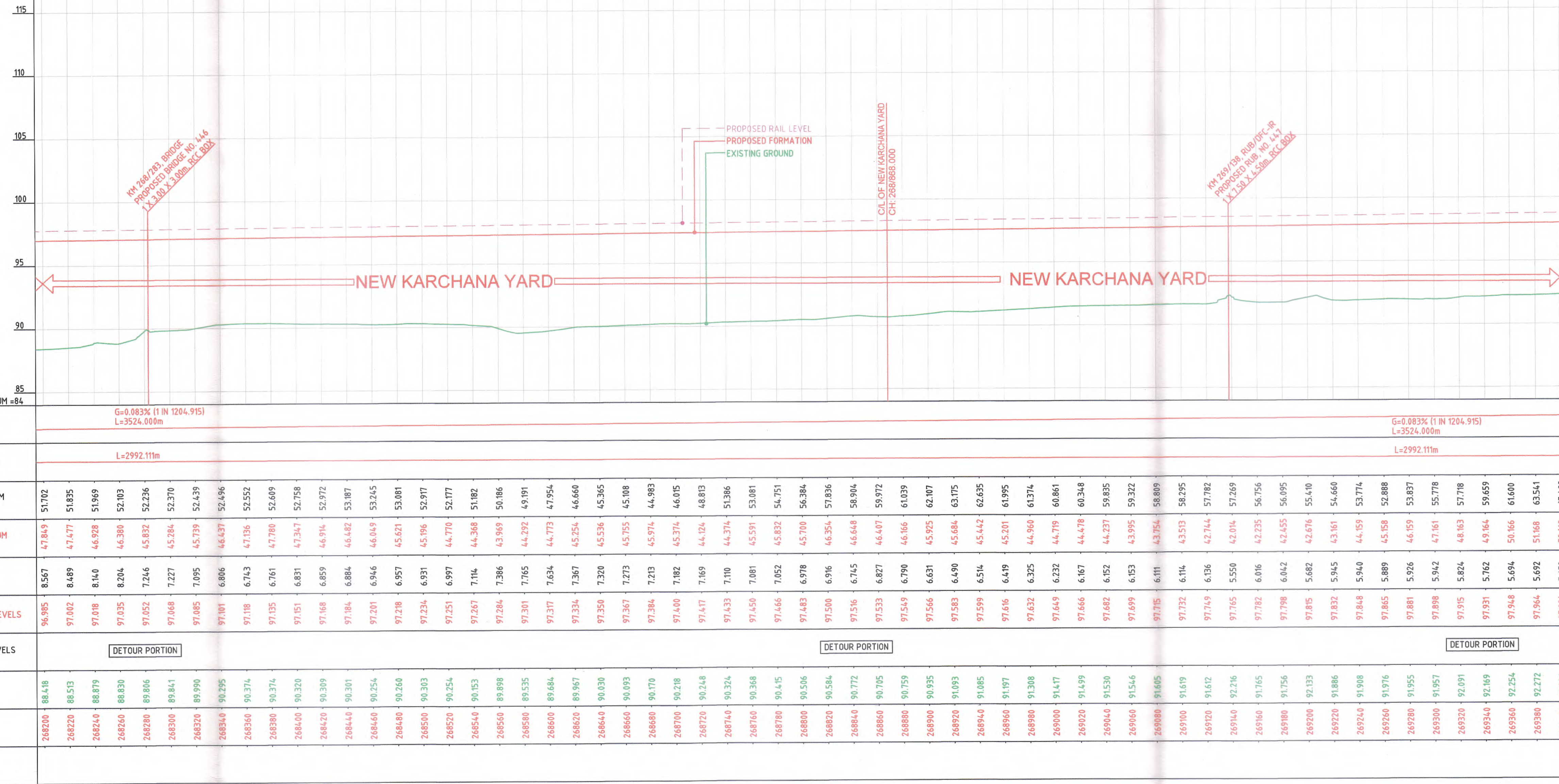
DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

REGISTERED OFFICE :
1004-5 RAHEJA CHAMBERS,
NARIMAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

DATE	NAME	SIGN.
DRAWN 02/08/2018	TC	
CHKD. 02/08/2018		
APPD. 02/08/2018	S. MITRA	
SUBMITTED BY GIL-SIL JV		
DATE	NAME	SIGN.
CHKD. 18/10/2018	Rajesh K. Singh	
APPD. 18/10/2018	N. SINGH	
NOC BY SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD. 29-10-2018	ANURANJAN PRASAD	
NOC 29-10-2018	KHARSHI SHARMA	
APPROVAL BY DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD.		

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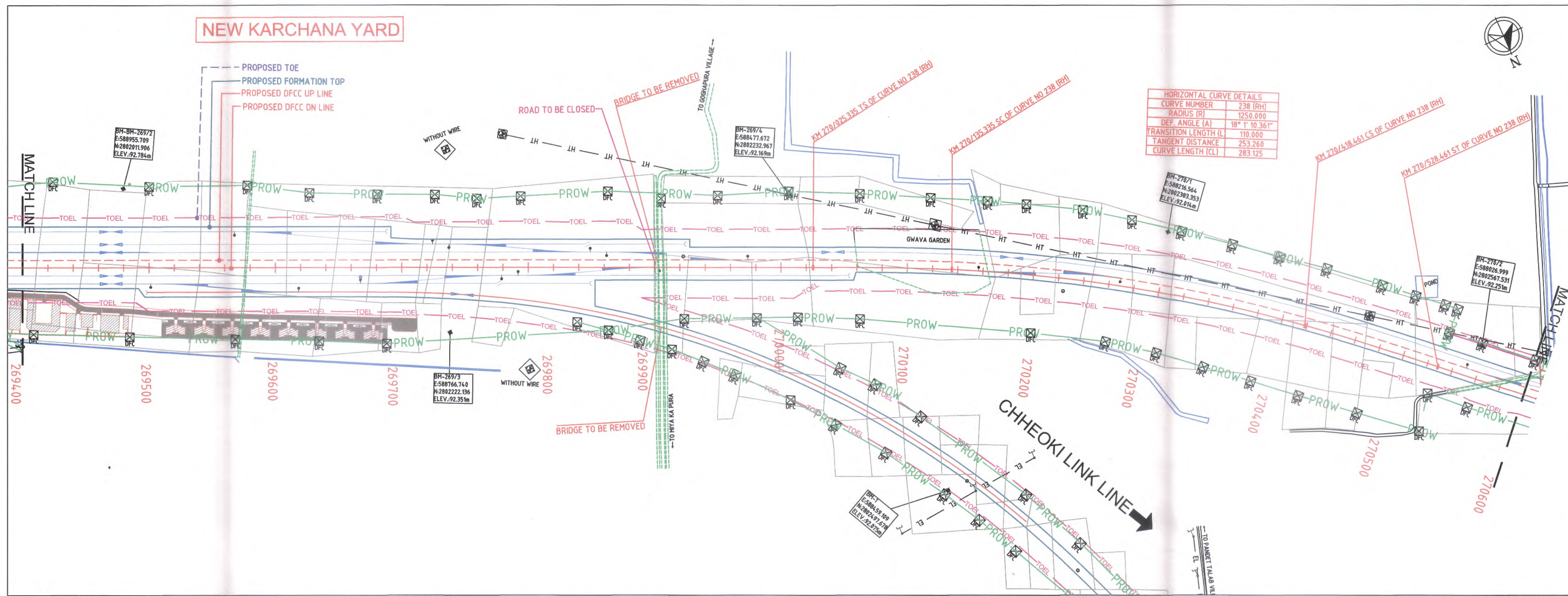
VERTICAL ALIGNMENT	G=0.083% (1 IN 1204.915) L=3524.000m																G=0.083% (1 IN 1204.915) L=3524.000m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
HORIZONTAL ALIGNMENT	L=2992.111m																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
LHS R.O.W DISTANCE FROM DOWN LINE TRACK	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.702	47.849	51.70

HOWRAH

Chainage CH-269400 CH-270600

DELHI

SECTION-CP-201



LEGEND:-

- +++++ EXISTING IR TRACK
- PROPOSED DFCC TRACK
- PROW --- PROW DFCC ROW LINE
- IR-TOE --- IR-TOE EXISTING IR TOE LINE
- TOEL --- TOEL DFCC TOE LINE

NOTES:-

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
- CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE
- EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KM/H.
- TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
- DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
- PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED
- AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.750m BY CUTTING THE EARTH
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE FROM KM. 269/400 TO KM. 270/600

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 2 6	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS		
REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE	
☐ FOR APPROVAL	
☒ GOOD FOR CONSTRUCTION	

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV

DESIGN CONSULTANT:

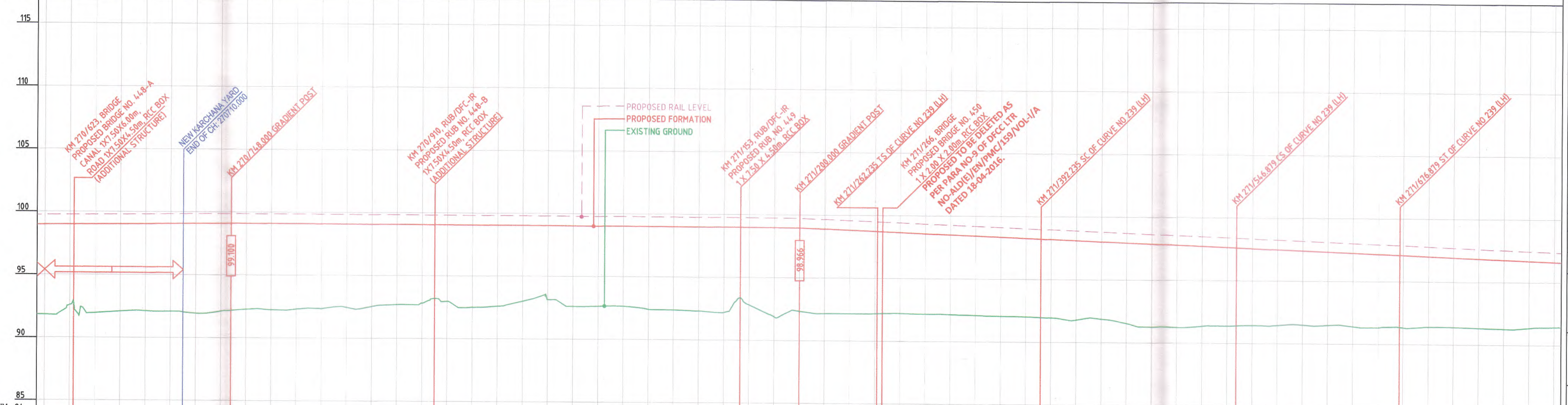
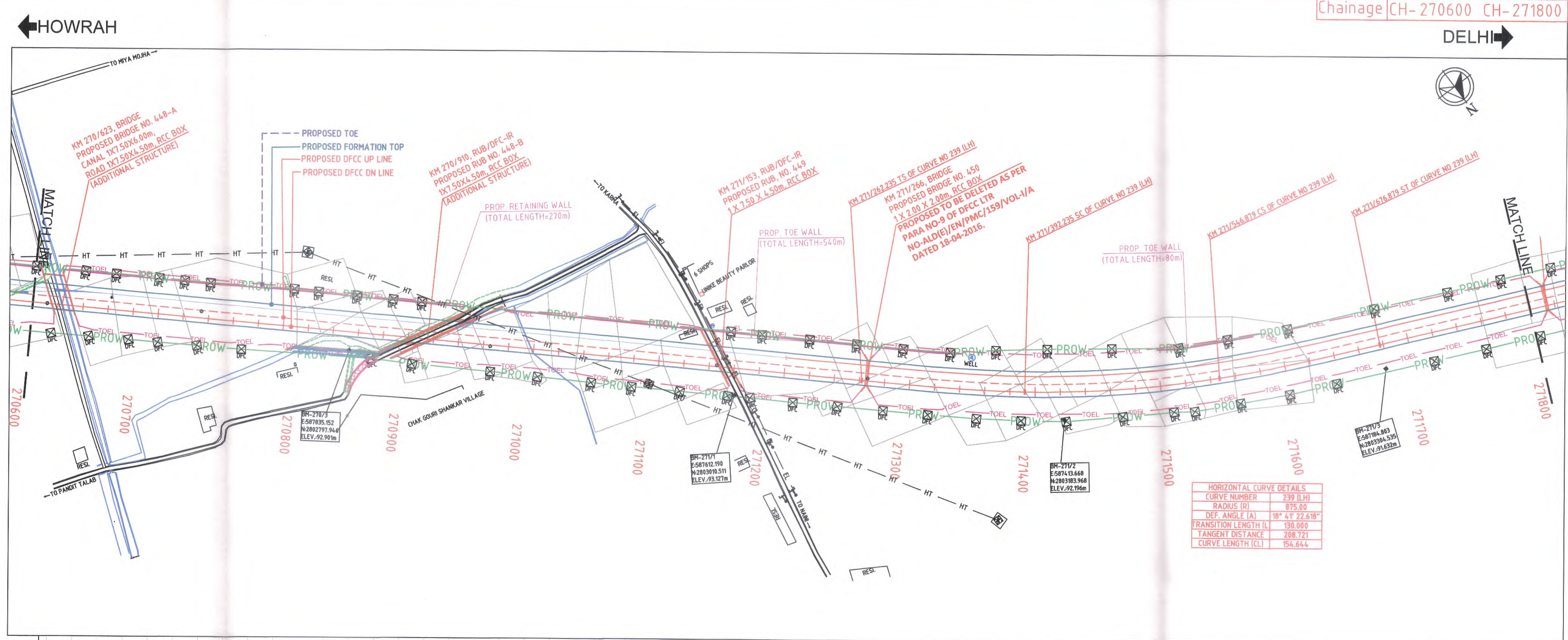
STUP Consultants Pvt. Ltd.

REGISTERED OFFICE : 1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021. OFFICE OF ORIGIN KOLKATA

DATE	NAME	SIGN.
DRAWN 02/08/2018	TC	
CHKD. 02/08/2018		
APPD. 02/08/2018	S. Maitra	
SUBMITTED BY GIL-SIL JV		
DATE	NAME	SIGN.
CHKD. 18/10/2018	Rajesh K. Ghosh	
APPD. 18/10/2018	NISEETH K. SINGH	
NOC BY SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD. 29-10-2018	ANURAGAN PRASAD	
NOC 29-10-2018	KAMAL SHARMA	
APPROVAL BY DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD.		

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VERTICAL ALIGNMENT		G=0.083% (1 IN 1204.915) L=3524.000m		G=0.083% (1 IN 1204.915) L=3524.000m	
HORIZONTAL ALIGNMENT		L=2992.111m		L=2992.111m	
LHS R.O.W DISTANCE FROM DOWN LINE TRACK		65.482	67.423	67.046	66.081
RHS R.O.W DISTANCE FROM DOWN TRACK		52.069	52.882	53.370	53.858
FILL (+)/ CUT (-)		5.652	5.628	5.626	5.634
PROPOSED FORMATION LEVELS		97.981	97.998	98.014	98.031
EXIST. IR FORMATION LEVELS		DETOUR PORTION			
GROUND LEVELS		DETOUR PORTION			
CHAINAGE		269400	269420	269440	269460
THROUGH CHAINAGE		269480	269500	269520	269540



VERTICAL ALIGNMENT	G=0.083% (1 IN 1204.915) L=3524.000m		L=452.000m G=-0.030% (1 IN 3377.924)		L=672.500m G=-0.394% (1 IN 253.957)		L=672.500m G=-0.394% (1 IN 253.957)	
HORIZONTAL ALIGNMENT	L=733.385m		L=733.385m		L=130.000m		L=130.000m	
LHS R.O.W DISTANCE FROM DOWN LINE TRACK	28.870	28.807	28.746	28.767	28.790	28.785	28.508	28.594
RHS R.O.W DISTANCE FROM DOWN TRACK	23.088	22.972	22.674	22.452	22.281	22.256	22.075	21.906
FILL (+)/ CUT (-)	7.157	6.395	7.061	6.945	6.923	6.986	7.136	6.977
PROPOSED FORMATION LEVELS	98.377	98.394	99.010	99.027	99.043	99.060	99.077	99.093
EXIST. IR FORMATION LEVELS	DETOUR PORTION							
GROUND LEVELS	91.820	92.599	91.950	92.082	92.121	92.073	91.940	92.117
CHAINAGE	270600	270620	270640	270660	270680	270700	270720	270740
THROUGH CHAINAGE	270600	270620	270640	270660	270680	270700	270720	270740

SECTION-CP-201

LEGEND:-

+++++ EXISTING IR TRACK

— PROW — PROW

— IR-TOE — IR-TOE

— TOEL — TOEL

PROPOSED DFCC TRACK

DFCC ROW LINE

EXISTING IR TOE LINE

DFCC TOE LINE

NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.

2. ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.

3. TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.

4. CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE

5. EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KMPH.

6. TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.

7. DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.

8. PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED

9. AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.75m BY CUTTING THE EARTH

10. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE FROM KM. 270/600 TO KM. 271/800

DRAWING NO.

SIZE

REV

SCALE

D 2 AL 0 1 2 7

A1

0

HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS

REV

DATE

REMARKS

0

02/08/2018

DEFINITIVE

DRAWING STAGE

☐ FOR APPROVAL

☒ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV

DESIGN CONSULTANT:

STUP Consultants Pvt. Ltd.

REGISTERED OFFICE :

1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.

OFFICE OF ORIGIN KOLKATA

DRAWN

CHKD.

APPD.

SUBMITTED BY

DATE

NAME

SIGN.

02/08/2018

TC

02/08/2018

02/08/2018

GIL-SIL JV

13/10/2018

ANURAGAN PRASAD

13/10/2018

KAMAL BHARMA

SYSTRA - Mott MacDonald JV

DATE

NAME

SIGN.

29-10-2018

ANURAGAN PRASAD

29-10-2018

KAMAL BHARMA

DFCC

DATE

NAME

SIGN.

THIS DRAWING IS THE PROPERTY OF GIL - SIL JV IT SHOULD NOT BE USED, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

←HOWRAH

Chainage CH- 271800 CH-273000

DELHI→

SECTION-CP-201

LEGEND:-

+++++	EXISTING IR TRACK
—PROW—	PROPOSED DFCC TRACK
—IR-TOE—	DFCC ROW LINE
—TOEL—	EXISTING IR TOE LINE
	DFCC TOE LINE

- NOTES:-**
1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 2. ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
 3. TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
 4. CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE
 5. EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KMPH.
 6. TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
 7. DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
 8. PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED
 9. AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.750m BY CUTTING THE EARTH.
 10. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :
 **DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.**

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :
ALIGNMENT PLAN & PROFILE
FROM KM. 271/800 TO KM. 273/000

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 2 3	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

☐ FOR APPROVAL

☒ GOOD FOR CONSTRUCTION

PMC :
 **SYSTRA - Mott MacDonald JV**

CONTRACTOR :
 **GIL - SIL JV**

DESIGN CONSULTANT:
 **STUP Consultants Pvt. Ltd.**

REGISTERED OFFICE :
1004-5 RAHEJA CHAMBERS,
NARIMAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

DATE	NAME	SIGN.
02/08/2018	TC	
02/08/2018		
02/08/2018	S. mma	

SUBMITTED BY **GIL-SIL JV**

DATE	NAME	SIGN.
10/10/2018	Deepak Gupta	
10/10/2018	NISHU K. SINGH	

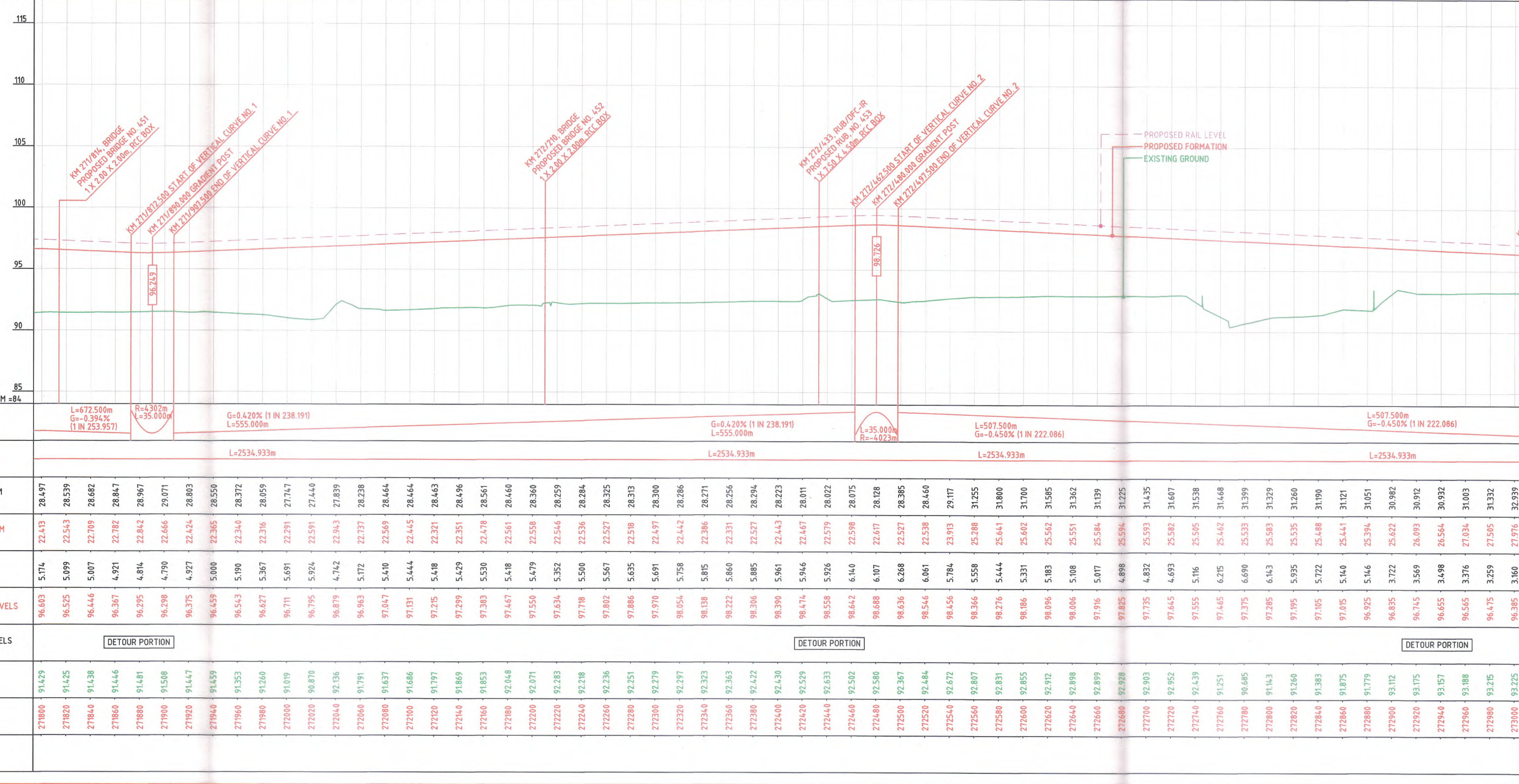
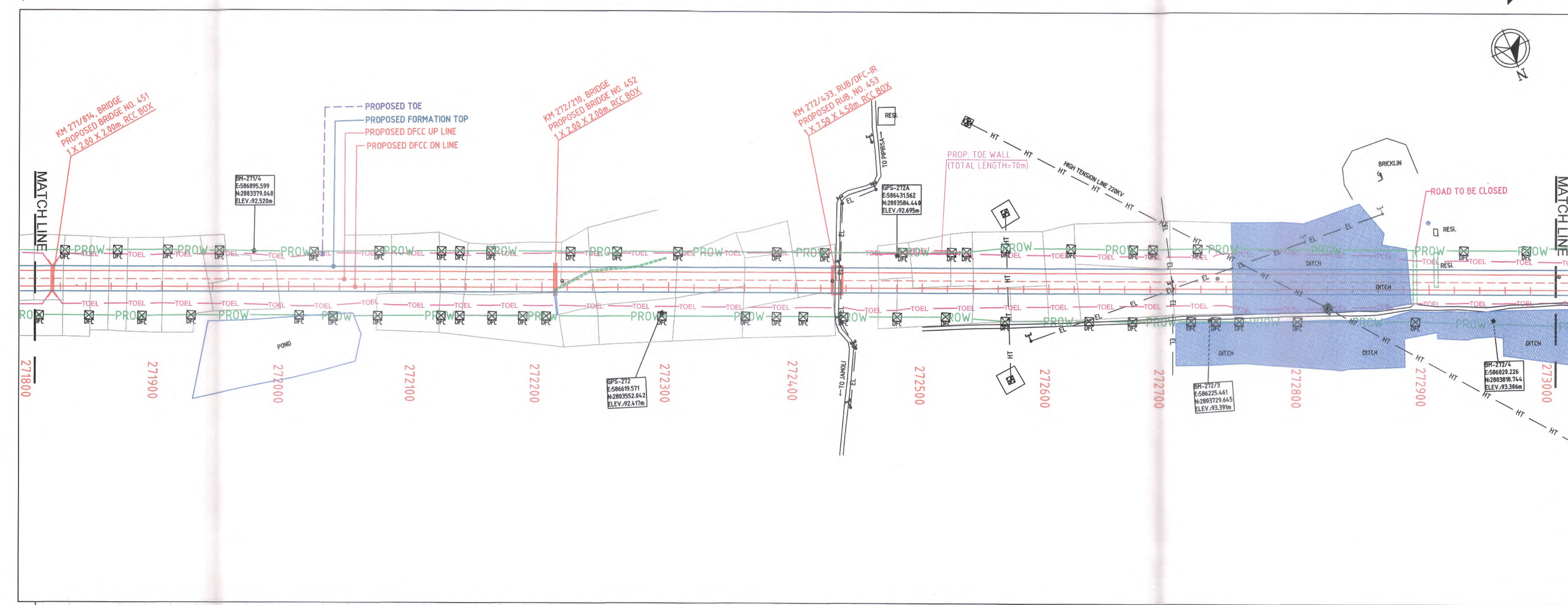
NOC BY **SYSTRA - Mott MacDonald JV**

DATE	NAME	SIGN.
29-10-2018	ANURANJAN PRASAD	
29-10-2018	KAMAL SHARMA	

APPROVAL BY **DFCC**

DATE	NAME	SIGN.

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HOWRAH

Chainage [CH-273000 CH-274200]

DELHI

SECTION-CP-201

LEGEND:-

- +++++ EXISTING IR TRACK
- PROPOSED DFCC TRACK
- PROW
- IR-TOE
- TOEL
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE

NOTES:-

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
- CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
- EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KMPH.
- TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
- DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
- PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
- AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.750m BY CUTTING THE EARTH.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :



DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE
FROM KM. 273/000 TO KM. 274/200

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 2 9	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS

REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

FOR APPROVAL

GOOD FOR CONSTRUCTION

PMC :



SYSTRA - Mott MacDonald JV

CONTRACTOR :



GIL - SIL JV



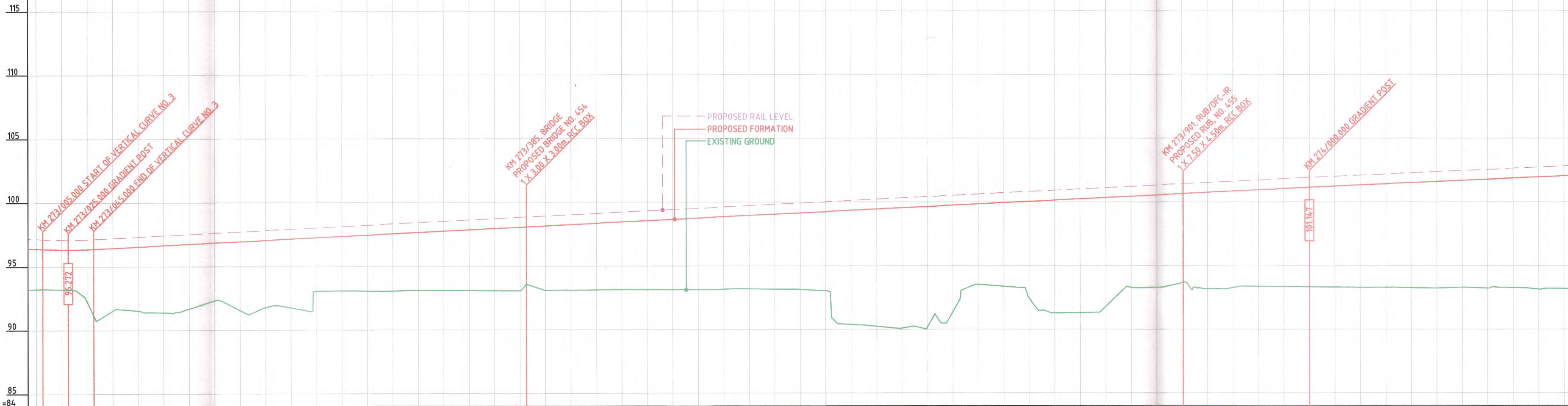
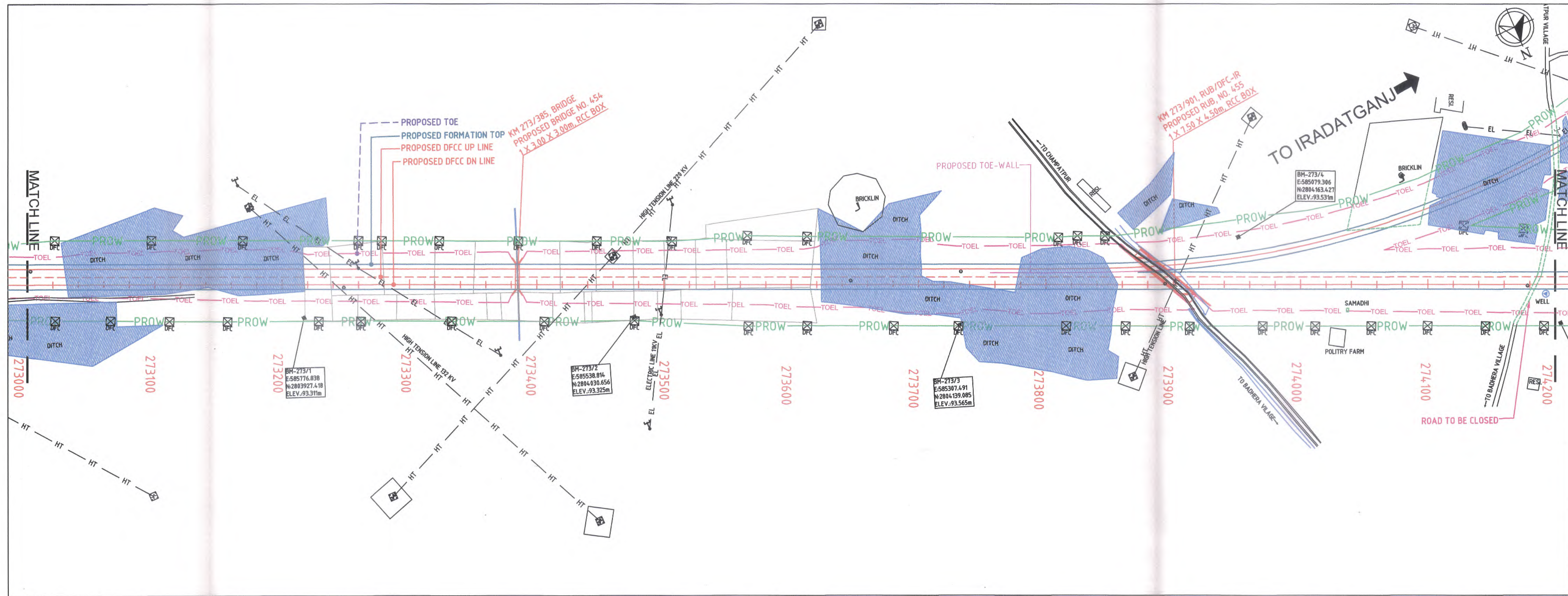
DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

REGISTERED OFFICE :
1004-5 RAHEJA CHAMBERS,
NARIMAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

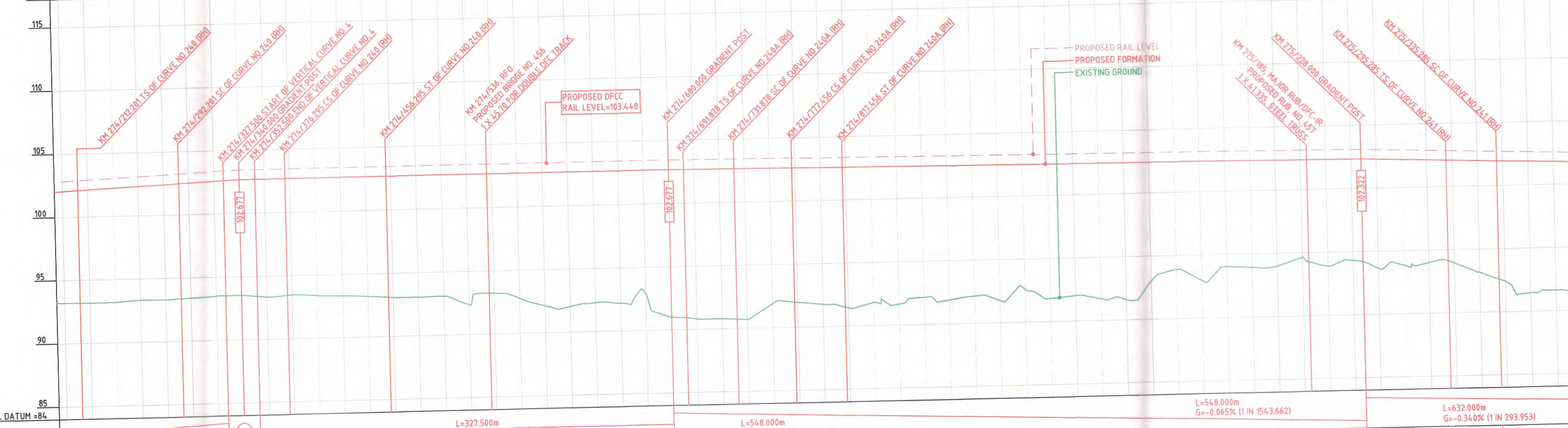
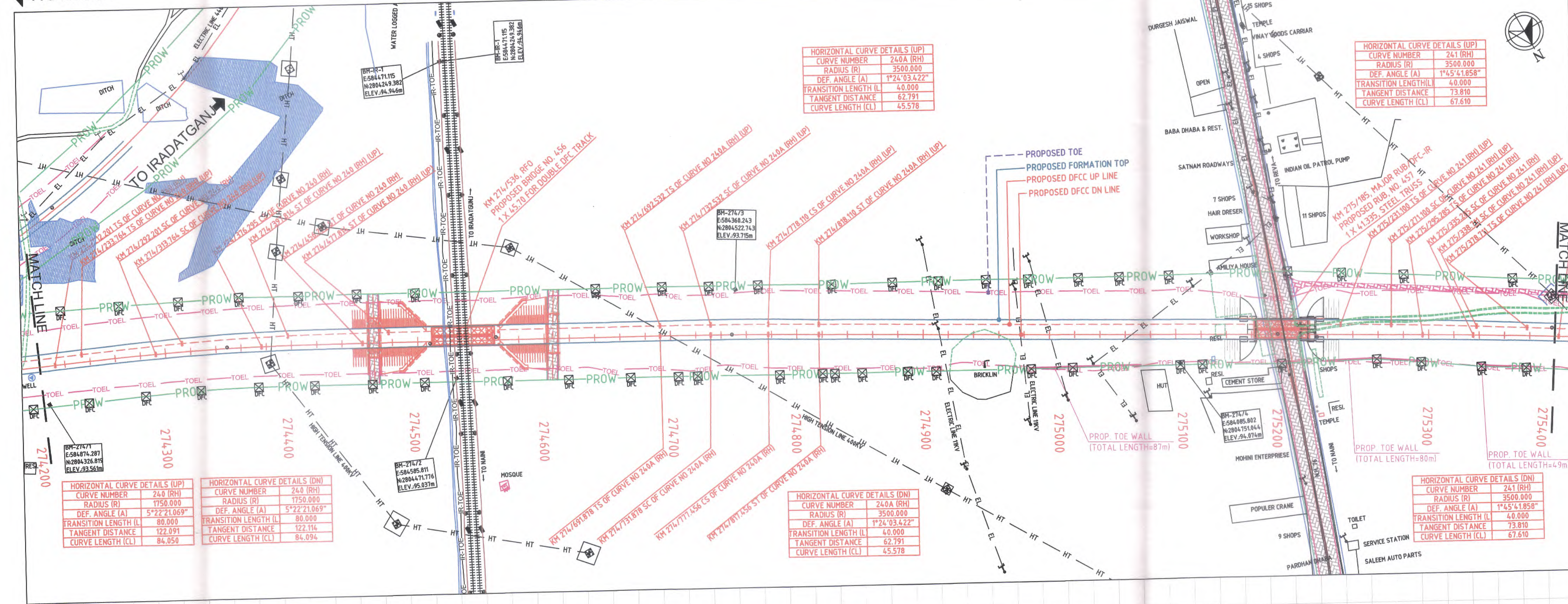
	DATE	NAME	SIGN.
DRAWN	02/08/2018	TC	
CHKD.	02/08/2018		
APPD.	02/08/2018	S. MITRA	
SUBMITTED BY GIL-SIL JV			
	DATE	NAME	SIGN.
CHKD.	12/10/2018	Prashant Singh	
APPD.	12/10/2018	N/SHEKH K. SINGH	
NOC BY SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	29-10-2018	ANURANJAN PRASAD	
NOC	29-10-2018	KAMAL SHARMA	
APPROVAL BY DFCC			
	DATE	NAME	SIGN.
CHKD.			
APPD.			

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VERTICAL ALIGNMENT	R=4200m L=40.000m G=0.500% 91 IN 200.000 L=955.000m
HORIZONTAL ALIGNMENT	L=2534.933m
LHS R.O.W DISTANCE FROM DOWN LINE TRACK	32.939 34.546 34.694 34.724 34.755 34.773 34.705 34.637 34.569 34.534 34.527 34.520 34.513 34.505 34.259 34.259 34.260 34.204 34.137 34.070 34.076 34.110 34.144 34.130 34.087 34.044 35.029 36.506 37.983 38.226 38.003 37.835 37.757 37.679 37.602 37.524 37.447 37.369 37.291 37.214 37.136 37.059 36.989 36.929 36.862 36.795 36.729 36.660 44.660 45.738 45.637 44.690 43.780 43.019
RHS R.O.W DISTANCE FROM DOWN TRACK	27.976 28.447 28.488 28.483 28.645 28.867 29.005 29.023 29.027 28.940 28.854 28.768 28.707 28.665 28.651 28.639 28.628 28.644 28.717 28.789 28.862 28.771 28.611 28.450 28.466 29.452 30.438 31.424 32.409 32.601 32.446 32.484 32.502 32.513 32.515 32.518 32.521 32.520 32.507 32.493 32.475 32.453 38.299 38.987 40.122 41.256 42.391 43.525 44.660 45.738 45.637 44.690 43.780 43.019
FILL (+)/ CUT (-)	3.160 3.121 4.131 4.909 5.015 5.267 5.072 4.523 5.401 5.289 5.411 4.215 4.277 4.403 4.510 4.556 4.650 4.755 4.880 4.991 5.066 5.148 5.224 5.317 5.420 5.519 5.615 5.698 5.754 5.897 6.011 6.191 8.965 9.206 9.457 9.462 8.374 6.328 6.579 7.588 8.855 8.940 8.566 7.140 7.242 7.008 7.571 7.576 7.567 7.696 7.812 7.926 8.031 8.118 8.243 8.365 8.390 8.543 8.600 8.811 8.857
PROPOSED FORMATION LEVELS	96.385 96.321 96.350 96.447 96.547 96.647 96.747 96.847 96.947 97.047 97.147 97.247 97.347 97.447 97.547 97.647 97.747 97.847 97.947 98.047 98.147 98.247 98.347 98.447 98.547 98.647 98.747 98.847 98.947 99.047 99.147 99.247 99.347 99.447 99.547 99.647 99.747 99.847 99.947 100.047 100.147 100.247 100.347 100.447 100.547 100.647 100.747 100.847 100.947 101.047 101.147 101.247 101.347 101.447 101.547 101.647 101.747 101.847 101.947 102.047
EXIST. IR FORMATION LEVELS	DETOUR PORTION 93.225 93.201 93.219 93.237 93.251 93.269 93.283 93.297 93.311 93.325 93.339 93.353 93.367 93.381 93.395 93.409 93.423 93.437 93.451 93.465 93.479 93.493 93.507 93.521 93.535 93.549 93.563 93.577 93.591 93.605 93.619 93.633 93.647 93.661 93.675 93.689 93.703 93.717 93.731 93.745 93.759 93.773 93.787 93.801 93.815 93.829 93.843 93.857 93.871 93.885 93.899 93.913 93.927 93.941 93.955 93.969 93.983 93.997 94.011 94.025 94.039 94.053 94.067 94.081 94.095 94.109 94.123 94.137 94.151 94.165 94.179 94.193 94.207 94.221 94.235 94.249 94.263 94.277 94.291 94.305 94.319 94.333 94.347 94.361 94.375 94.389 94.403 94.417 94.431 94.445 94.459 94.473 94.487 94.501 94.515 94.529 94.543 94.557 94.571 94.585 94.599 94.613 94.627 94.641 94.655 94.669 94.683 94.697 94.711 94.725 94.739 94.753 94.767 94.781 94.795 94.809 94.823 94.837 94.851 94.865 94.879 94.893 94.907 94.921 94.935 94.949 94.963 94.977 94.991 95.005 95.019 95.033 95.047 95.061 95.075 95.089 95.103 95.117 95.131 95.145 95.159 95.173 95.187 95.201 95.215 95.229 95.243 95.257 95.271 95.285 95.299 95.313 95.327 95.341 95.355 95.369 95.383 95.397 95.411 95.425 95.439 95.453 95.467 95.481 95.495 95.509 95.523 95.537 95.551 95.565 95.579 95.593 95.607 95.621 95.635 95.649 95.663 95.677 95.691 95.705 95.719 95.733 95.747 95.761 95.775 95.789 95.803 95.817 95.831 95.845 95.859 95.873 95.887 95.901 95.915 95.929 95.943 95.957 95.971 95.985 95.999 96.013 96.027 96.041 96.055 96.069 96.083 96.097 96.111 96.125 96.139 96.153 96.167 96.181 96.195 96.209 96.223 96.237 96.251 96.265 96.279 96.293 96.307 96.321 96.335 96.349 96.363 96.377 96.391 96.405 96.419 96.433 96.447 96.461 96.475 96.489 96.503 96.517 96.531 96.545 96.559 96.573 96.587 96.601 96.615 96.629 96.643 96.657 96.671 96.685 96.699 96.713 96.727 96.741 96.755 96.769 96.783 96.797 96.811 96.825 96.839 96.853 96.867 96.881 96.895 96.909 96.923 96.937 96.951 96.965 96.979 96.993 97.007 97.021 97.035 97.049 97.063 97.077 97.091 97.105 97.119 97.133 97.147 97.161 97.175 97.189 97.203 97.217 97.231 97.245 97.259 97.273 97.287 97.301 97.315 97.329 97.343 97.357 97.371 97.385 97.399 97.413 97.427 97.441 97.455 97.469 97.483 97.497 97.511 97.525 97.539 97.553 97.567 97.581 97.595 97.609 97.623 97.637 97.651 97.665 97.679 97.693 97.707 97.721 97.735 97.749 97.763 97.777 97.791 97.805 97.819 97.833 97.847 97.861 97.875 97.889 97.903 97.917 97.931 97.945 97.959 97.973 97.987 97.999 98.013 98.027 98.041 98.055 98.069 98.083 98.097 98.111 98.125 98.139 98.153 98.167 98.181 98.195 98.209 98.223 98.237 98.251 98.265 98.279 98.293 98.307 98.321 98.335 98.349 98.363 98.377 98.391 98.405 98.419 98.433 98.447 98.461 98.475 98.489 98.503 98.517 98.531 98.545 98.559 98.573 98.587 98.601 98.615 98.629 98.643 98.657 98.671 98.685 98.699 98.713 98.727 98.741 98.755 98.769 98.783 98.797 98.811 98.825 98.839 98.853 98.867 98.881 98.895 98.909 98.923 98.937 98.951 98.965 98.979 98.993 99.007 99.021 99.035 99.049 99.063 99.077 99.091 99.105 99.119 99.133 99.147 99.161 99.175 99.189 99.203 99.217 99.231 99.245 99.259 99.273 99.287 99.301 99.315 99.329 99.343 99.357 99.371 99.385 99.399 99.413 99.427 99.441 99.455 99.469 99.483 99.497 99.511 99.525 99.539 99.553 99.567 99.581 99.595 99.609 99.623 99.637 99.651 99.665 99.679 99.693 99.707 99.721 99.735 99.749 99.763 99.777 99.791 99.805 99.819 99.833 99.847 99.861 99.875 99.889 99.903 99.917 99.931 99.945 99.959 99.973 99.987 99.999 100.013 100.027 100.041 100.055 100.069 100.083 100.097 100.111 100.125 100.139 100.153 100.167 100.181 100.195 100.209 100.223 100.237 100.251 100.265 100.279 100.293 100.307 100.321 100.335 100.349 100.363 100.377 100.391 100.405 100.419 100.433 100.447 100.461 100.475 100.489 100.503 100.517 100.531 100.545 100.559 100.573 100.587 100.601 100.615 100.629 100.643 100.657 100.671 100.685 100.699 100.713 100.727 100.741 100.755 100.769 100.783 100.797 100.811 100.825 100.839 100.853 100.867 100.881 100.895 100.909 100.923 100.937 100.951 100.965 100.979 100.993 101.007 101.021 101.035 101.049 101.063 101.077 101.091 101.105 101.119 101.133 101.147 101.161 101.175 101.189 101.203 101.217 101.231 101.245 101.259 101.273 101.287 101.301 101.315 101.329 101.343 101.357 101.371 101.385 101.399 101.413 101.427 101.441 101.455 101.469 101.483 101.497 101.511 101.525 101.539 101.553 101.567 101.581 101.595 101.609 101.623 101.637 101.651 101.665 101.679 101.693 101.707 101.721 101.735 101.749 101.763 101.777 101.791 101.805 101.819 101.833 101.847 101.861 101.875 101.889 101.903 101.917 101.931 101.945 101.959 101.973 101.987 101.999 102.013 102.027 102.041 102.055 102.069 102.083 102.097 102.111 102.125 102.139 102.153 102.167 102.181 102.195 102.209 102.223 102.237 102.251 102.265 102.279 102.293 102.307 102.321 102.335 102.349 102.363 102.377 102.391 102.405 102.419 102.433 102.447 102.461 102.475 102.489 102.503 102.517 102.531 102.545 102.559 102.573 102.587 102.601 102.615 102.629 102.643 102.657 102.671 102.685 102.699 102.713 102.727 102.741 102.755 102.769 102.783 102.797 102.811 102.825 102.839 102.853 102.867 102.881 102.895 102.909 102.923 102.937 102.951 102.965 102.979 102.993 103.007 103.021 103.035 103.049 103.063 103.077 103.091 103.105 103.119 103.133 103.147 103.161 103.175 103.189 103.203 103.217 103.231 103.245 103.259 103.273 103.287 103.301 103.315 103.329 103.343 103.357 103.371 103.385 103.399 103.413 103.427 103.441 103.455 103.469 103.483 103.497 103.511 103.525 103.539 103.553 103.567 103.581 103.595 103.609 103.623 103.637 103.651 103.665 103.679 103.693 103.707 103.721 103.735 103.749 103.763 103.777 103.791 103.805 103.819 103.833 103.847 103.861 103.875 103.889 103.903 103.917 103.931 103.945 103.959 103.973 103.987 103.999 104.013 104.027 104.041 104.055 104.069 104.083 104.097 104.111 104.125 104.139 104.153 104.167 104.181 104.195 104.209 104.223 104.237 104.251 104.265 104.279 104.293 104.307 104.321 104.335 104.349 104.363 104.377 104.391 104.405 104.419 104.433 104.447 104.461 104.475 104.489 104.503 104.517 104.531 104.545 104.559 104.573 104.587 104.601 104.615 104.629 104.643 104.657 104.671 104.685 104.699 104.713 104.727 104.741 104.755 104.769 104.783 104.797 104.811 104.825 104.839 104.853 104.867 104.881 104.895 104.909 104.923 104.937 104.951 104.965 104.979 104.993 105.007 105.021 105.035 105.049 105.063 105.077 105.091 105.105 105.119 105.133 105.147 105.161 105.175 105.189 105.203 105.217 105.231 105.245 105.259 105.273 105.287 105.301 105.315 105.329 105.343 105.357 105.371 105.385 105.399 105.413 105.427 105.441 105.455 105.469 105.483 105.497 105

←HOWRAH

[illegible]

LEGEND:-

LEGEND:

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE

NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
3. TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
4. CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
5. EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KMPH.
6. TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
7. DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
8. PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
9. AT THE LOCATIONS WHERE FORMATION HEIGHT IS $< 1.75m$, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO $1.750m$ BY CUTTING THE EARTH.
10. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER



DEDICATED FREIGHT CORRIDOR
CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT
CORRIDOR (PACKAGE - 201)

TITLE : **ALIGNMENT PLAN & PROFILE**
FROM KM. 274/200 TO KM. 275/400

DRAWING NO.							SIZE	REV	SCALE
D	2	AL	0	1	3	0	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWERS

REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

☐ FOR APPROVAL
☒ GOOD FOR CONSTRUCTION

	PM	PMC
--	----	-----

SYSTRA Mott MacDonald JV

CONTRACTOR :
GAR

GIL - SIL JV

DESIGN CONSULTANT:
STUP Consultants

REGISTERED OFFICE :
1004-5 RAHEJA CHAMBERS
NARIMAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

		MUMBAI 400 021.			
		DATE	NAME	SIGN.	
45.004	DRAWN	02/08/2018			
	CHKD.	02/08/2018	T.C		
	APPD.	02/08/2018	S. WIRAT		

25.79 SUBMITTED BY GIL-SIL JV

	DATE	NAME	SIGN.
CHKD.	18/10/2018	Reedports Graduate	
APPD.	18/10/2018	NISHEETH K. SINGH	

NOC BY **SYSTRA - Mott MacDonald**

[illegible]

CHKD.	29-10-2018	ANURANJAN PRASAD	Handwritten signature
NOC	29/10/2018	KAMAL SHARMA	Handwritten signature
APPROVAL BY		DFCC	
DATE	NAME	SIGN.	

21538	27540	CHKD.			
		APPD.			

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COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

HOWRAH

DELHI



LEGEND:-

- +++++ EXISTING IR TRACK
- PROW — PROW — PROPOSED DFCC TRACK
- IR-TOE — IR-TOE — DFCC ROW LINE
- TOEL — TOEL — EXISTING IR TOE LINE
- TOEL — TOEL — DFCC TOE LINE

NOTES:-

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
3. TOP WIDTH OF FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
4. CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE
5. EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KM/H.
6. TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
7. DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
8. PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED
9. AT THE LOCATIONS WHERE FORMATION HEIGHT IS < 1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT TO 1.75m BY CUTTING THE EARTH
10. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :



DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE
FROM KM. 275/400 TO KM. 276/600

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 3 1	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS		
REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

☐ FOR APPROVAL

☒ GOOD FOR CONSTRUCTION

PMC :

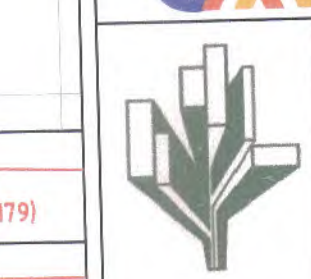


SYSTRA - Mott MacDonald JV

CONTRACTOR :



GIL - SIL JV



DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

REGISTERED OFFICE :
1004-5 RAHEJA CHAMBERS,
NARIMAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

DATE	NAME	SIGN.
DRAWN 02/08/2018	TE	
CHKD. 02/08/2018		
APPD. 02/08/2018	S. MITRA	

DATE	NAME	SIGN.
CHKD. 12/10/2018	Rachit Gupta	
APPD. 19/10/2018	NISHU K. SINGH	

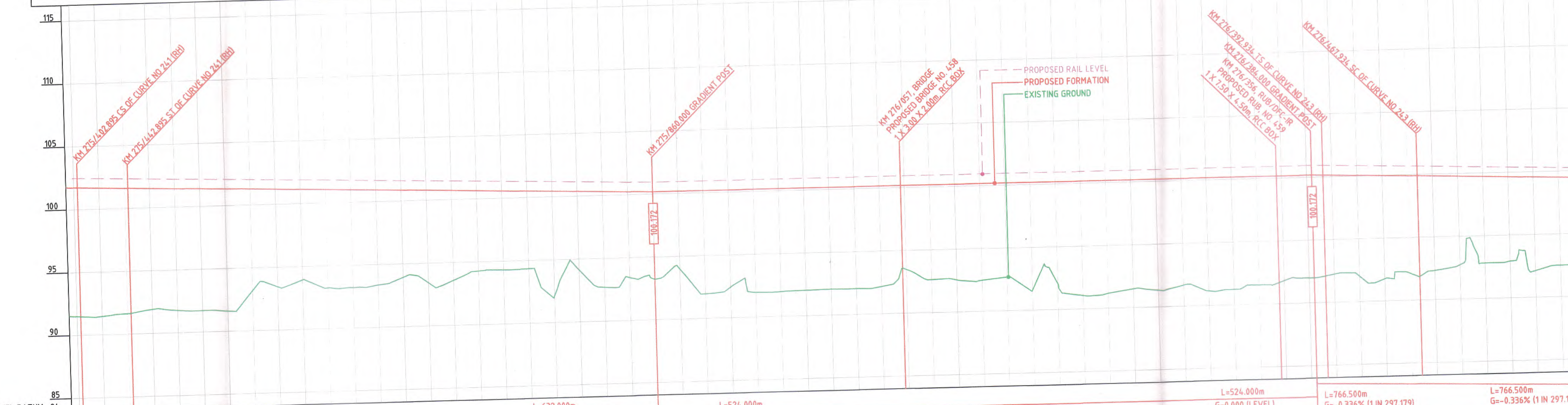
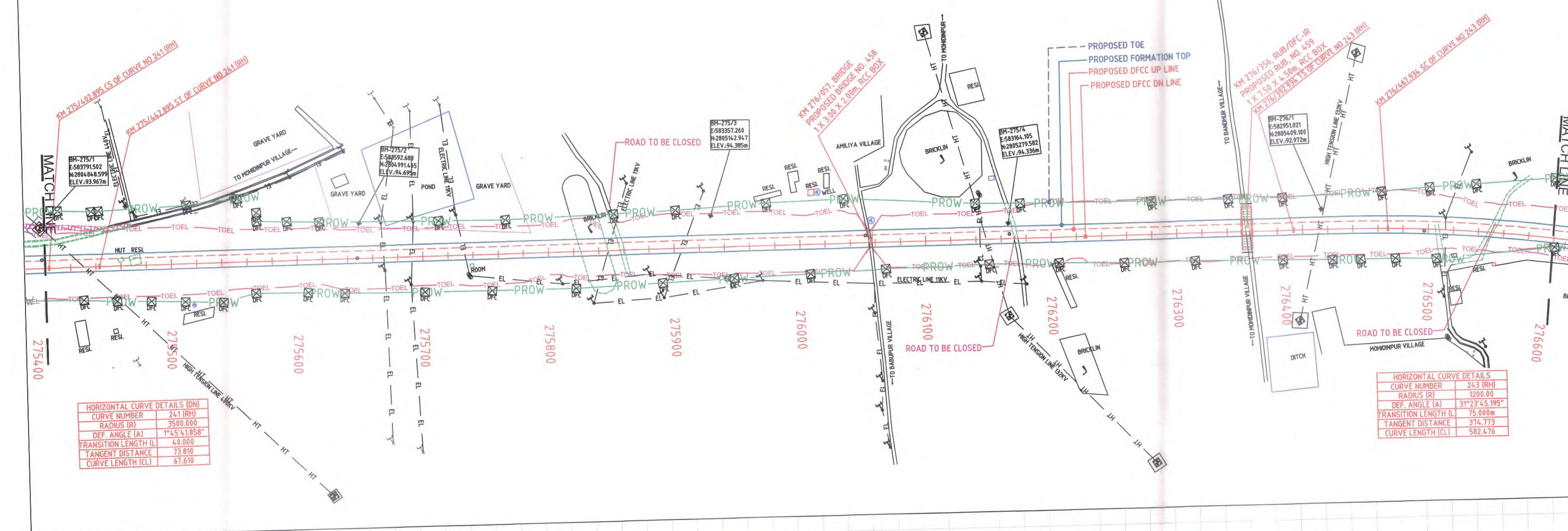
NOC BY SYSTRA - Mott MacDonald JV

DATE	NAME	SIGN.
CHKD. 29-10-2018	ANURANJAN PRASAD	
NOC 29-10-2018	KIRAN SHARMA	

APPROVAL BY DFCC

DATE	NAME	SIGN.
CHKD.		
APPD.		

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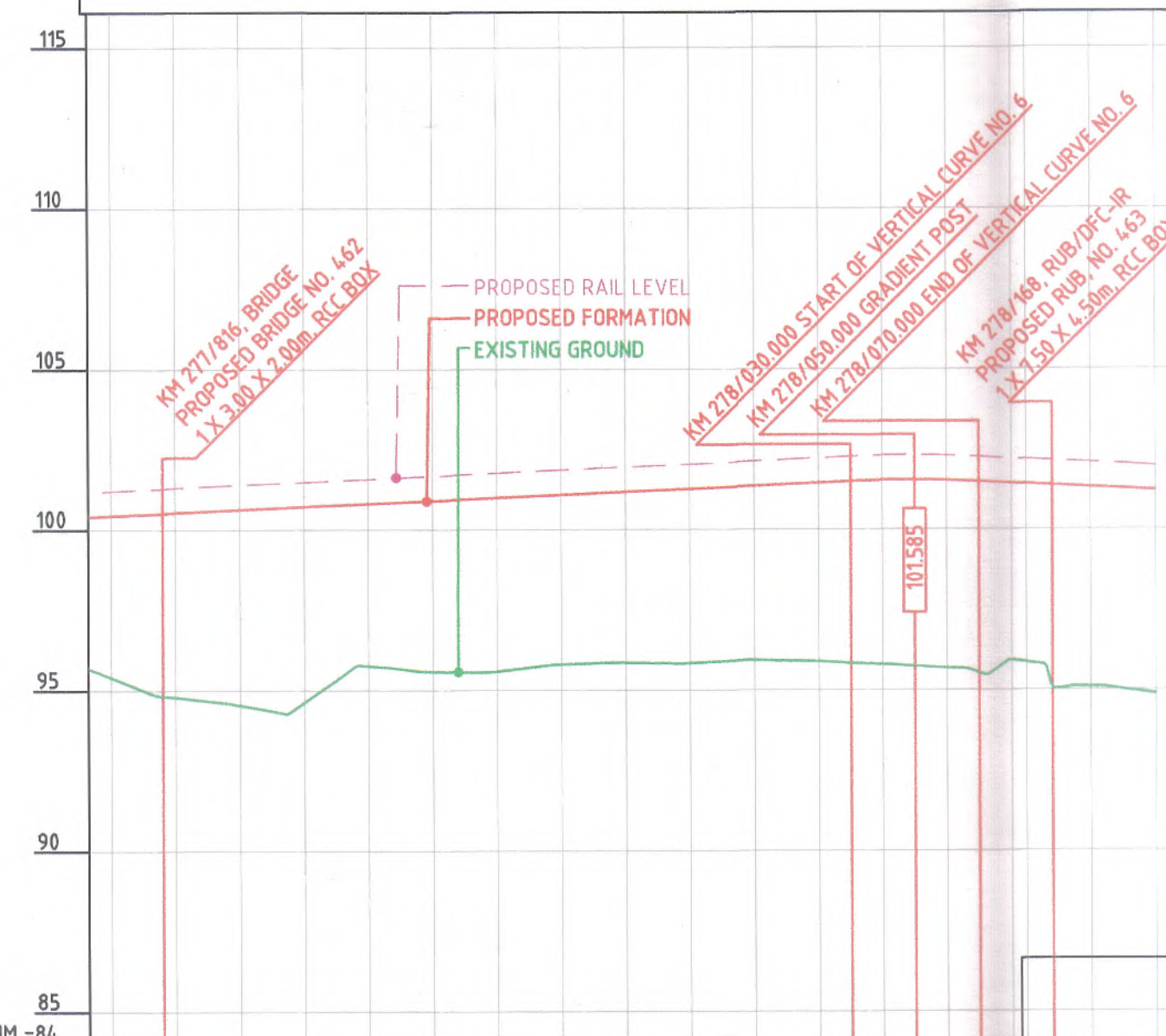
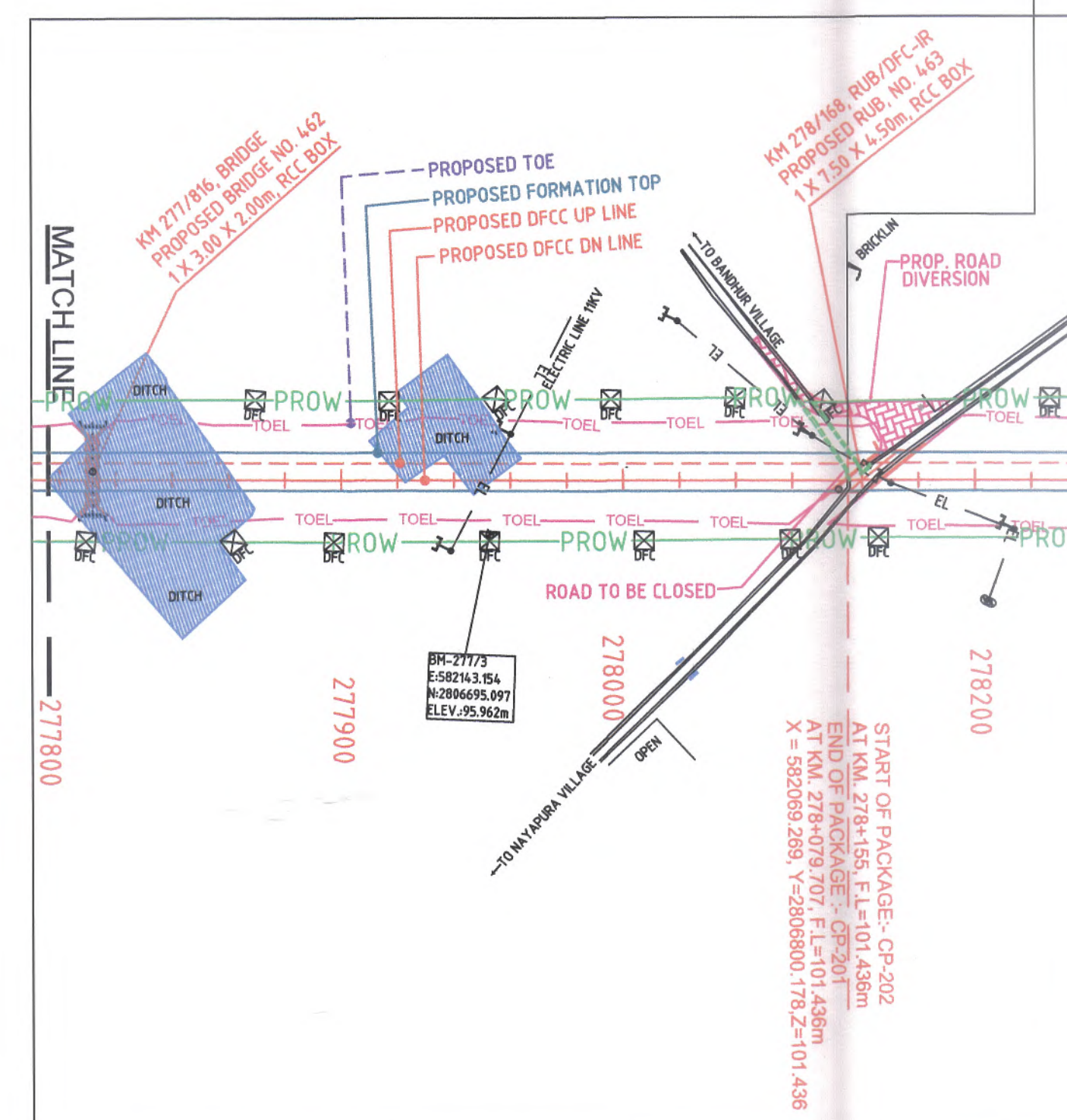
VERTICAL ALIGNMENT	L=632.000m G=-0.340% (1 IN 293.953)	L=524.000m G=0.000% (LEVEL)	L=950.038m	L=524.000m G=-0.336% (1 IN 297.179)	L=766.500m G=-0.336% (1 IN 297.179)	L=766.500m G=-0.336% (1 IN 297.179)	L=766.500m G=-0.336% (1 IN 297.179)
HORIZONTAL ALIGNMENT	L=4.000m	L=950.038m	L=950.038m	L=75.000m	L=582.476m	L=582.476m	L=582.476m
LHS R.O.W DISTANCE FROM DOWN LINE TRACK	45.004	44.552	43.745	44.447	45.136	45.825	46.514
RHS R.O.W DISTANCE FROM DOWN LINE TRACK	25.797	26.280	27.101	28.253	28.850	29.663	30.672
FILL (+)/ CUT (-)	10.250	10.220	9.989	9.630	9.688	9.698	9.724
PROPOSED FORMATION LEVELS	101.337	101.669	101.601	101.533	101.465	101.397	101.329
EXIST. IR FORMATION LEVELS	101.337	101.669	101.601	101.533	101.465	101.397	101.329
GROUND LEVELS	91.487	91.449	91.612	91.903	91.777	91.699	91.605
CHAINAGE	275400	275420	275440	275460	275480	275500	275520
THROUGH CHAINAGE	275400	275420	275440	275460	275480	275500	275520

←HOWRAH

Chainage CH- 277800 CH-278160

DELHI→

SECTION-CP-201

END OF PACKAGE CP-201
AT KM. 278+079.707START OF PACKAGE CP-202
AT KM. 278+155

END OF PACKAGE CP-201
AT KM. 278+079.707, F.L=101.436m
START OF PACKAGE CP-202
AT KM. 278+155, F.L=101.436m

VERTICAL ALIGNMENT	L=844.500m G=0.459% (1 IN 217.716)		L=40.00m R=4.69m	L=864.965m G=-0.500% (1 IN 199.947)
HORIZONTAL ALIGNMENT	L=1436.743m		L=436.743m	
LHS R.O.W DISTANCE FROM DOWN LINE TRACK	27.999	28.109	28.218	28.327
RHS R.O.W DISTANCE FROM DOWN TRACK	21.750	21.793	21.908	22.023
FILL (+) / CUT (-)	5.034	5.748	6.091	6.092
PROPOSED FORMATION LEVELS	100.437	100.529	100.620	100.712
EXIST. IR FORMATION LEVELS	DETOUR PORTION			
GROUND LEVELS	95.403	94.781	94.529	94.620
CHAINAGE	277800	277820	277840	277860
THROUGH CHAINAGE	277800	277820	277840	277860

LEGEND:-

+++++	EXISTING IR TRACK
—PROW—PROW—	PROPOSED DFCC TRACK
—IR-TOE—IR-TOE—	DFCC ROW LINE
—TOEL—TOEL—	EXISTING IR TOE LINE
	DFCC TOE LINE

NOTES:-

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- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR
CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT
CORRIDOR (PACKAGE - 201)

TITLE :

ALIGNMENT PLAN & PROFILE
FROM KM. 277/800 TO KM. 278/160

DRAWING NO.	SIZE	REV	SCALE
D 2 AL 0 1 3 3	A1	0	HOR:- 1 : 2000, VER:- 1 : 200

REVIEWS

REV	DATE	REMARKS
0	02/08/2018	DEFINITIVE

DRAWING STAGE

☐ FOR APPROVAL☒ GOOD FOR CONSTRUCTION

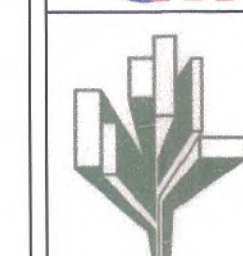
PMC :

SYSTRA - Mott
MacDonald JV

CONTRACTOR :



GIL - SIL JV



DESIGN CONSULTANT:

STUP Consultants Pvt. Ltd.

REGISTERED OFFICE :
1004-5 RAHEJA CHAMBERS,
NARIMAN POINT,
MUMBAI 400 021.OFFICE OF ORIGIN
KOLKATA

DATE	NAME	SIGN.
DRAWN 02/08/2018	TC	
CHKD. 02/08/2018		
APPD. 02/08/2018	S. MITRA	
SUBMITTED BY GIL-SIL JV		
DATE	NAME	SIGN.
CHKD. 12/10/2018	Rishabh Choudhary	
APPD. 12/10/2018	NISHET K. SINGH	
NOC BY SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD. 29-10-2018	ANURANJAN PRASAD	
NOC 29-10-2018	KAMAL SHARMA	
APPROVAL BY DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD.		

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