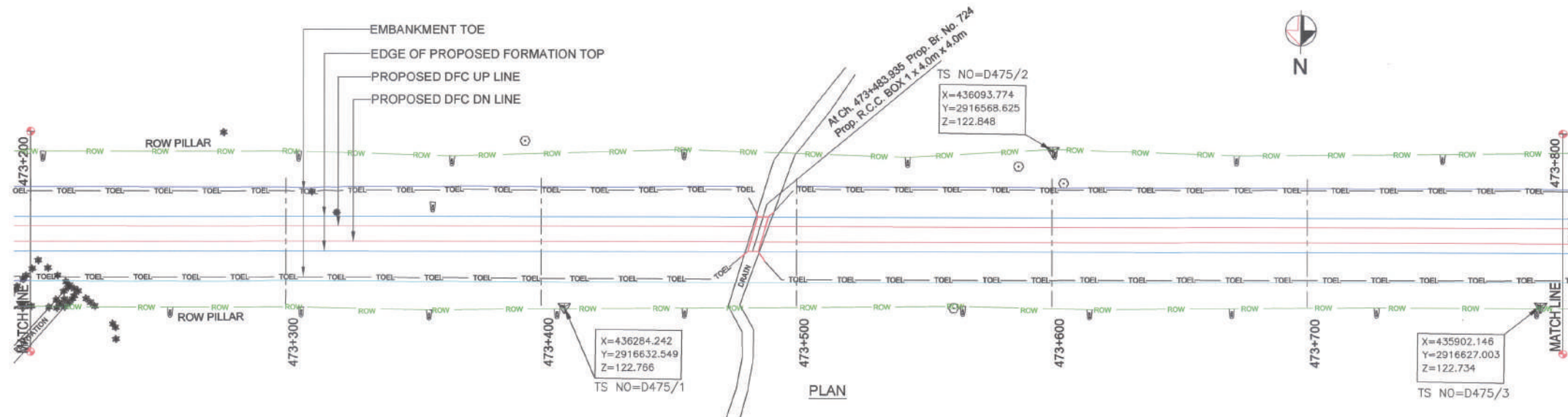


← HOWRAH

→ DELHI

SECTION-D-202



LEGEND :

	EXISTING IR TRACK
	PROPOSED DFCC TRACK
	DFCC ROW LINE
	EXISTING IR TOE LINE
	DFCC TOE LINE
	EDGE OF PROPOSED FORMATION TOP

- 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 EMBANKMENT / 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 AS 65 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. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
 9. PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
 10. AT THE LOCATIONS WHERE FORMATION HEIGHT IS < 1.75m IT IS PROPOSED TO MAKE THE FORMATION HEIGHT AS 1.75m BY CUTTING THE EARTH.
 11. TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 12. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D
FROM CH. 473+200 TO 473+800

DRAWING NO.	REV	SCALE
P 2 AL 0938	D	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	14.10.2015	FOR REVIEW
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/DFCC/2015/0005 DATED 23.11.2015

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,
NARAIN POINT,
MUMBAI 400 021.
OFFICE OF ORIGIN
KOLKATA

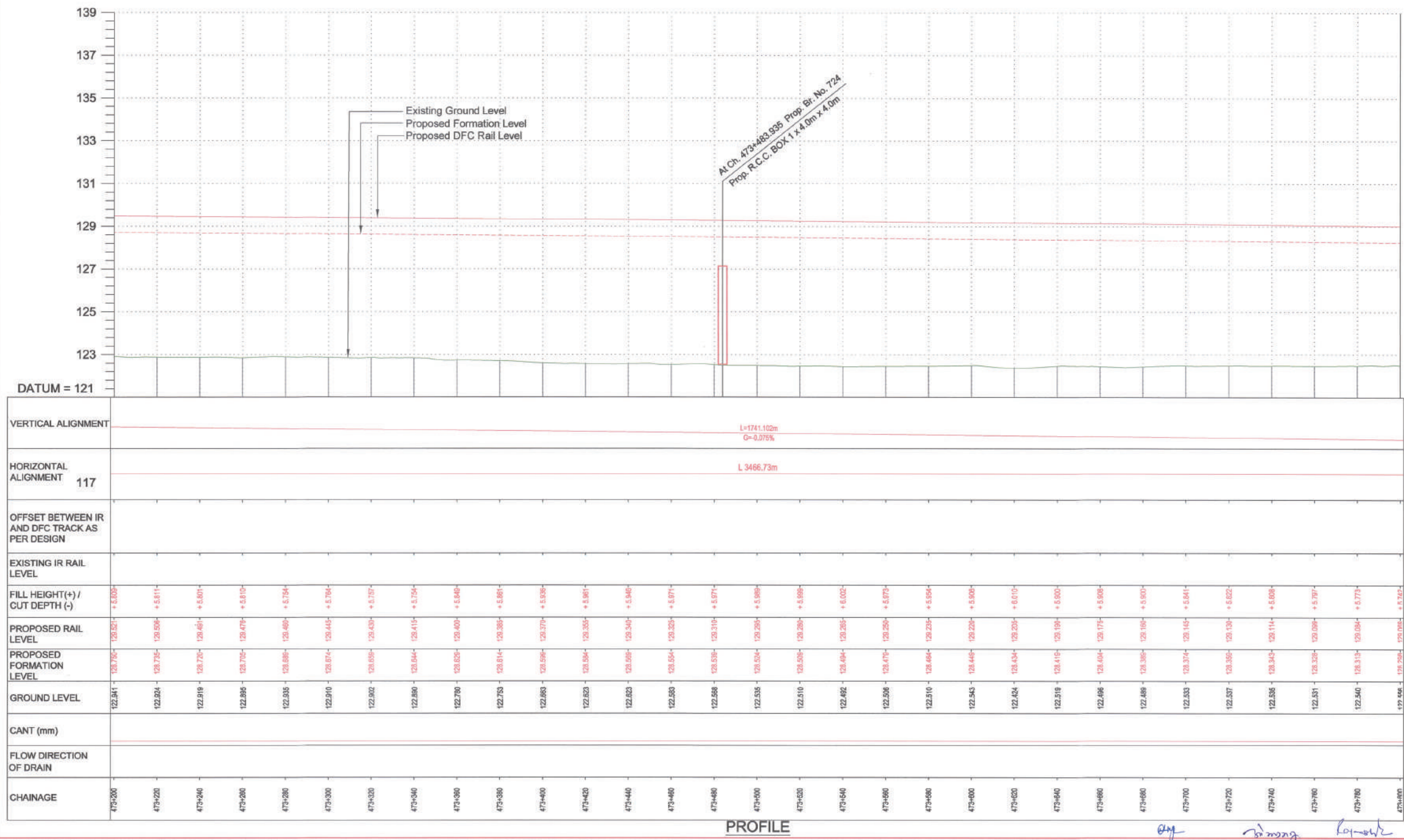
DATE	NAME	SIGN.
DRAWN	A. DAS	
CHKD.	SP	
APPD.	27.11.15 S.K. AICH	27.11.2015

DATE	NAME	SIGN.
SUBMITTED BY :	GIL - SIL JV	
CHKD.		
APPD.	27.11.15 yw	

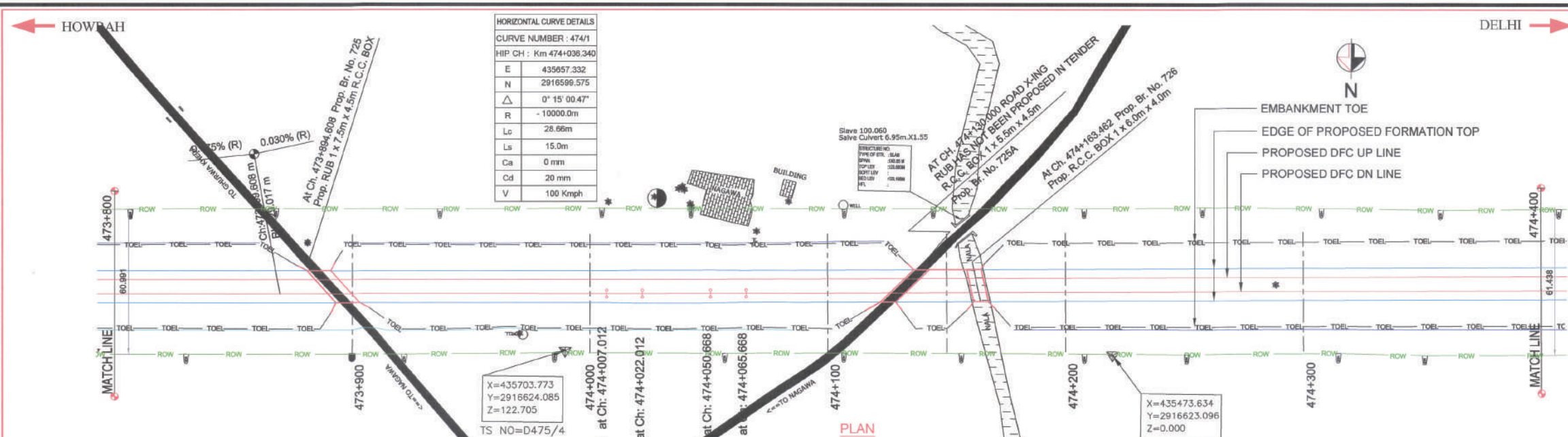
DATE	NAME	SIGN.
NOC BY :	SYSTRA - Mott MacDonald JV	
CHKD.		
NOC	28.11.15 P. AMERIKAMS	

DATE	NAME	SIGN.
APPROVAL BY :	DFCC	
CHKD.		
APPD.	28.11.15 R.Y	

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PROFILE



LEGEND :

	EXISTING IR TRACK
	PROPOSED DFCC TRACK
	DFCC ROW LINE
	EXISTING IR TOE LINE
	DFCC TOE LINE
	EDGE OF PROPOSED FORMATION TOP

- NOTES :**
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 - ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
 - TOP WIDTH OF EMBANKMENT / 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.
 - DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAILED DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
 - 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 AS 1.75m BY CUTTING THE EARTH.
 - TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 - FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :

ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 473+800 TO 474+400

DRAWING NO.	REV	SCALE
P 2 AL 0939	D	HOR : 1:1000 VER : 1:100

REVIEWS

REV	DATE	REMARKS
B	14.10.2015	FOR REVIEW
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2/17/2015/00057 DATED 23.11.2015

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	A. DAS	
CHKD.	SP	
APPD.	S.K. AICH	

SUBMITTED BY : GIL - SIL JV

DATE	NAME	SIGN.
CHKD.		
APPD.	YV	

NOC BY : SYSTRA - Mott MacDonald JV

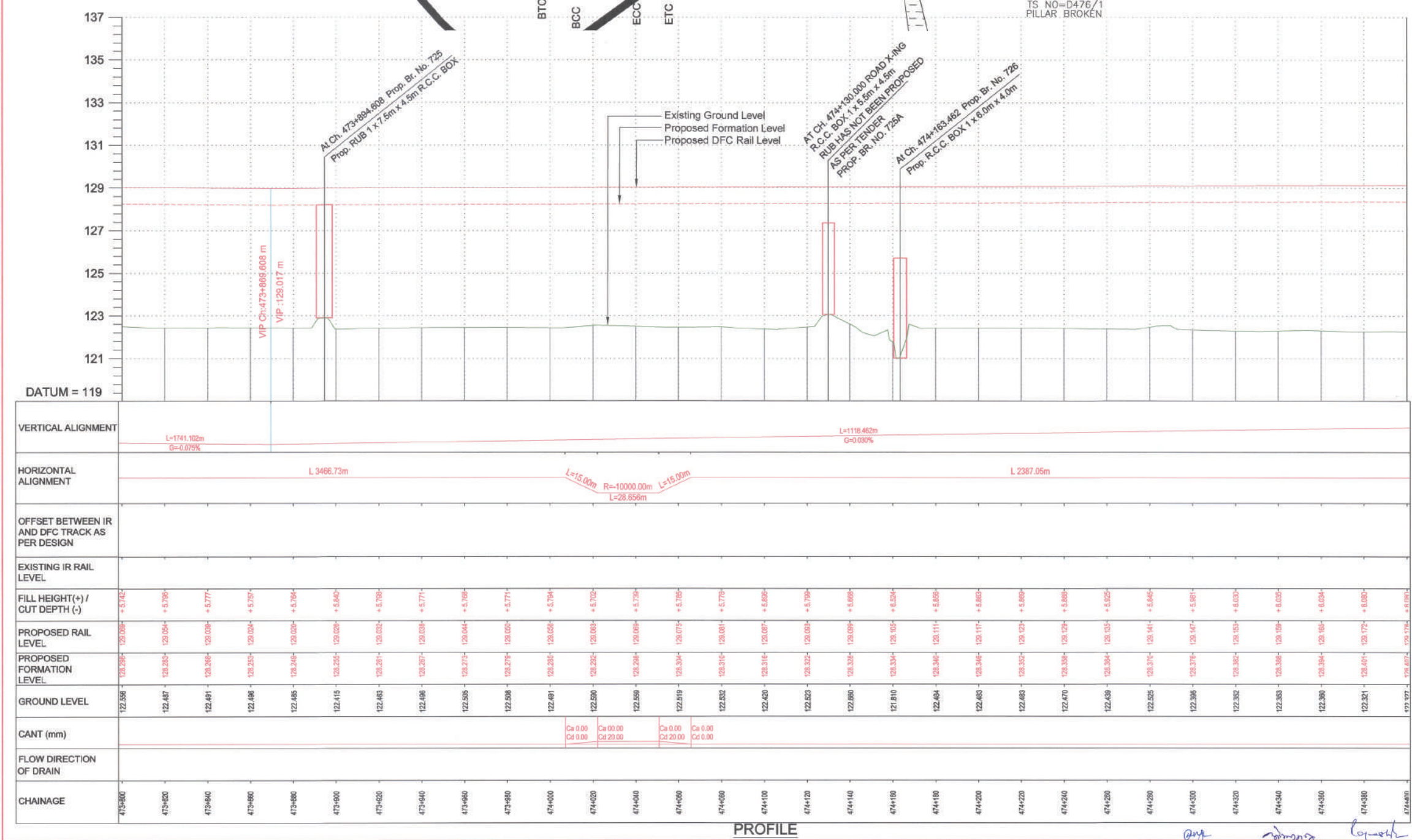
DATE	NAME	SIGN.
CHKD.		
NOC	P. AMERIKANOS	

APPROVAL BY : DFCC

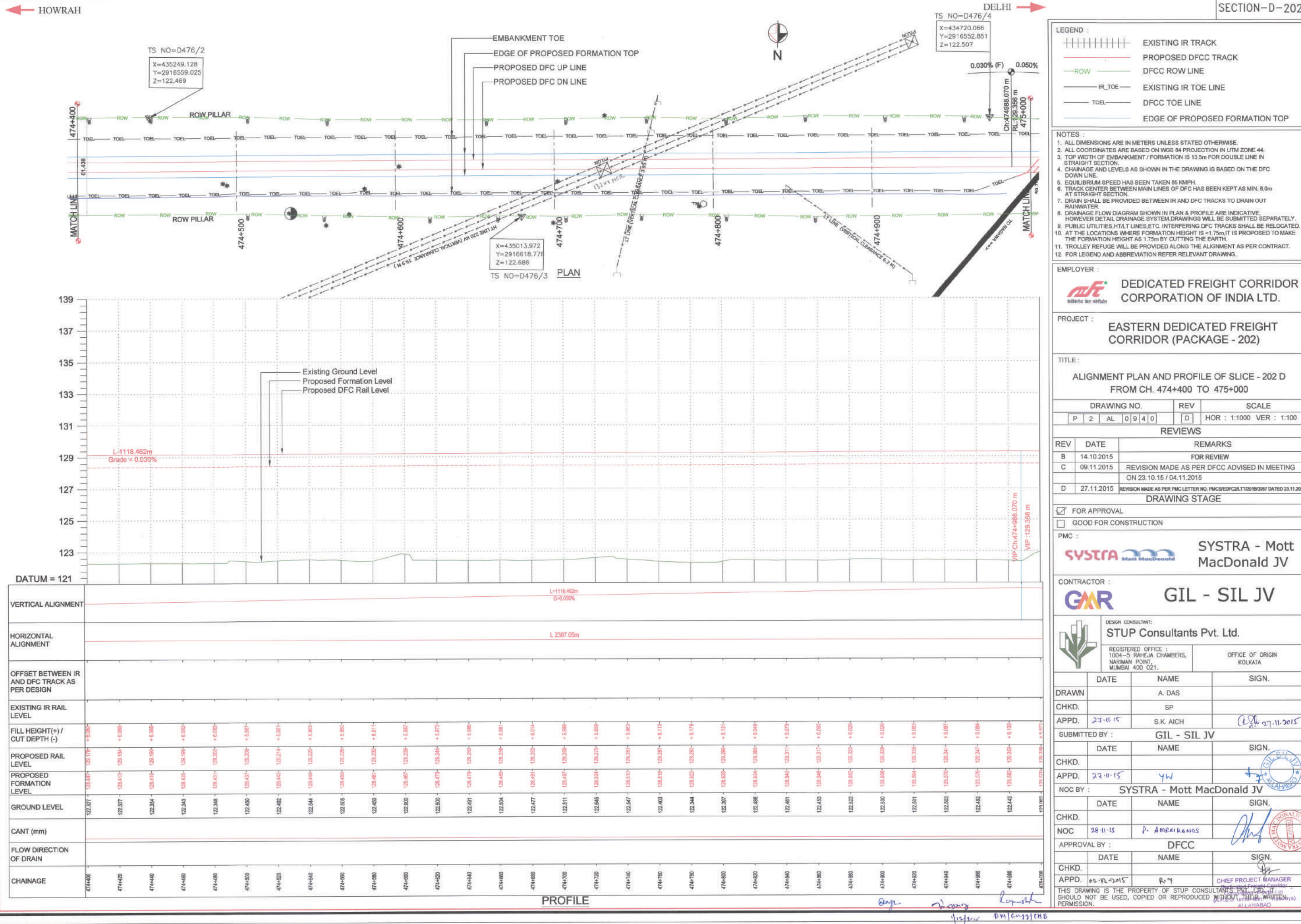
DATE	NAME	SIGN.
CHKD.		
APPD.	R.Y	

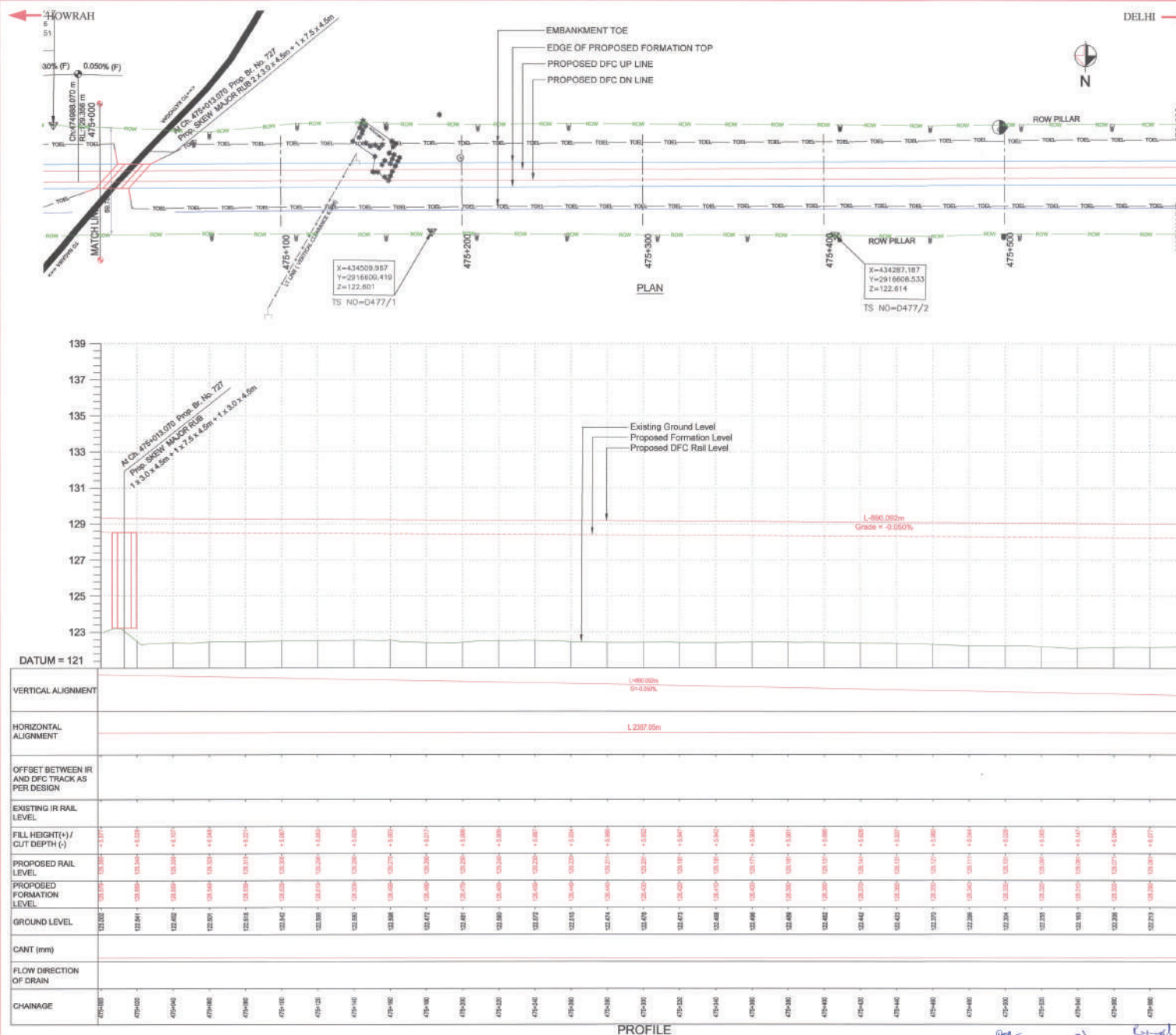
THIS DRAWING IS THE PROPERTY OF STUP CONSULTANTS PVT. LTD. IT SHOULD NOT BE USED, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

CHIEF PROJECT MANAGER

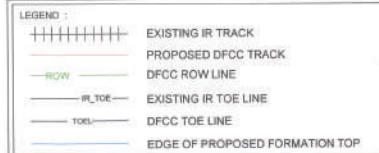


PROFILE





15/11/2015, PP-437403 TO 445+000, 3m-3.5m



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 EMMENTMENT FORMATION IS 13.5m FOR DOUBLE LINE IN STRAIGHT SECTION.
4. CHANGING AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DPC DOWN SLOPE.
5. EQUILIBRIUM RIVER HAS BEEN TAKEN AS 100MPH.
6. TRACK CENTER BETWEEN MAIN LINES IS 6M HAS BEEN KEPT AS MIN. 6.0m AT STRAIGHT SECTION.
7. DRAIN HAS BEEN PROVIDED BETWEEN IN AND OUT TRACKS TO DRAIN OUT RAINWATER.
8. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE, HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
9. PUBLIC UTILITIES (UT) LINES ARE SHOWN IN THE DRAWING.
10. MINIMUM CLEARANCE OF EMMENTMENT FORMATION IS 1.75m (IT IS PROPOSED TO MAKE THE FORMATION HEIGHT AS 1.75m BY CUTTING THE EARTH).
11. TROLLY RAIL WILL BE PROVIDED WITH 1000VDC SUPPLY AS PER CONTRACT.
12. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :  DEDICATED FREIGHT CORRIDOR
CORPORATION OF INDIA LTD.

PROJECT : EASTERN DEDICATED FREIGHT
CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D
FROM CH. 475+600 TO 476+200

DRAWING NO.		REV	SCALE
P	2 AL 0942	D	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	14.10.2015	FOR REVIEW
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING
		ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PRC LETTER NO. PRC/SEDP/CR/1009/1009 DATED 23.11.2015

☒ FOR APPROVAL☐ GOOD FOR CONSTRUCTION

PMC



CONTRACTOR :
GAR



DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

REGISTERED OFFICE : 1004-5 RAJEEVA CHAMBERS, NARMAN POINT, MUMBAI - 400 021	OFFICE OF ORIGIN KOLKATA
--	-----------------------------

DATE	NAME	SIGN.
------	------	-------

DRAWN	A. DAS
-------	--------

CHKD.		SP	
APPD.	22-0-15	S.K. AICH	<i>[Signature]</i> 22-0-2015

DATE:	10/10/2019	TIME:	10:10
SUBMITTED BY :		GIL - SIL JV	

DATE	NAME	SIGN.

CHKD.			
APPD.	22-10-15	4W	

NOC BY :	SYSTRA - Mott MacDonald JV
----------	----------------------------

	DATE	NAME	SIGN.
CHURCH			

CHRD.			
NOC	28-11-15	P. AMERICANOS	

APPROVAL BY :	DFCC	
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	DATE	NAME	SIGN.
CHKD.			

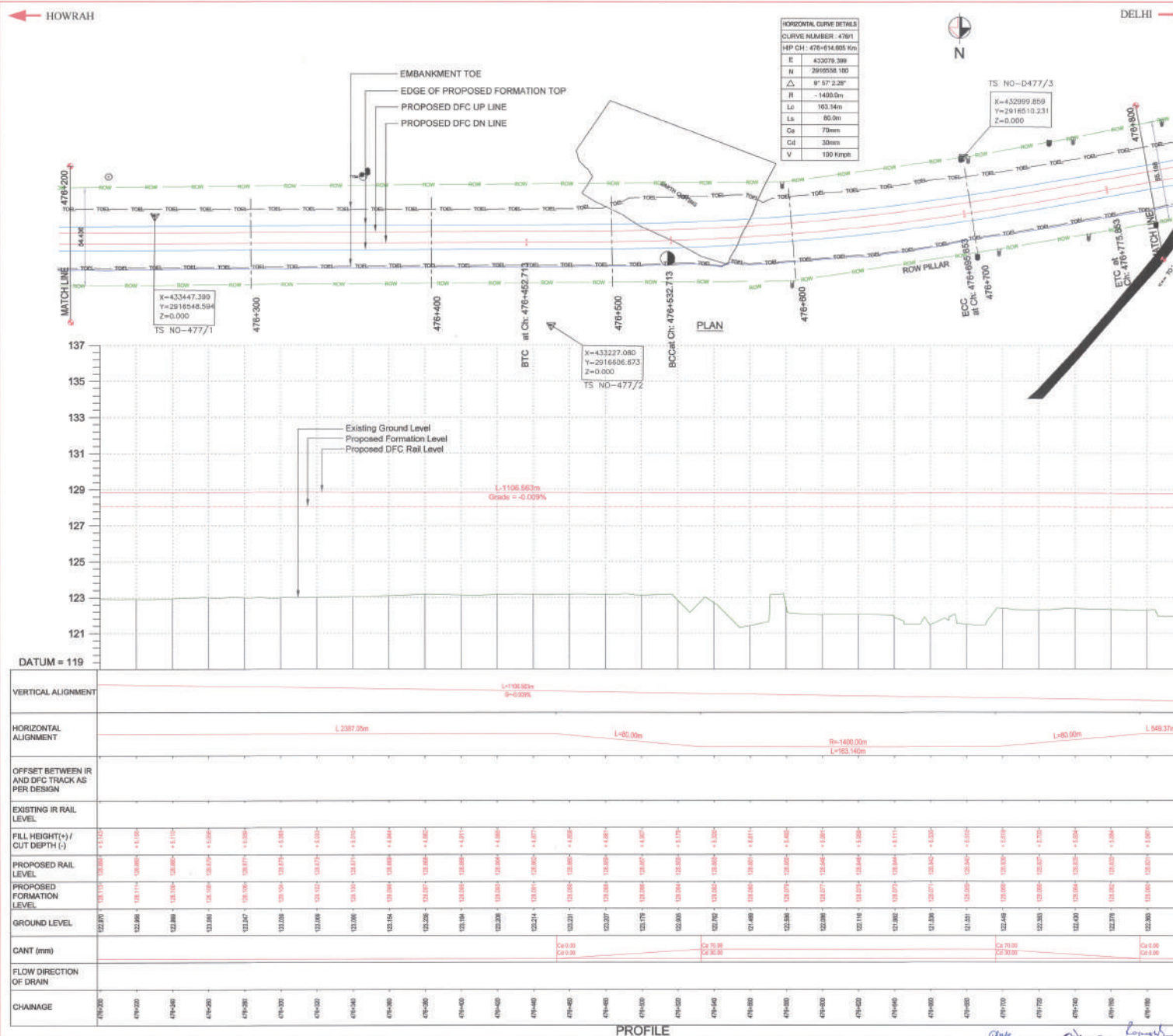
APPD.	02.12.2015	R-4	CHIEF PROJECT MANAGER
-------	------------	-----	-----------------------

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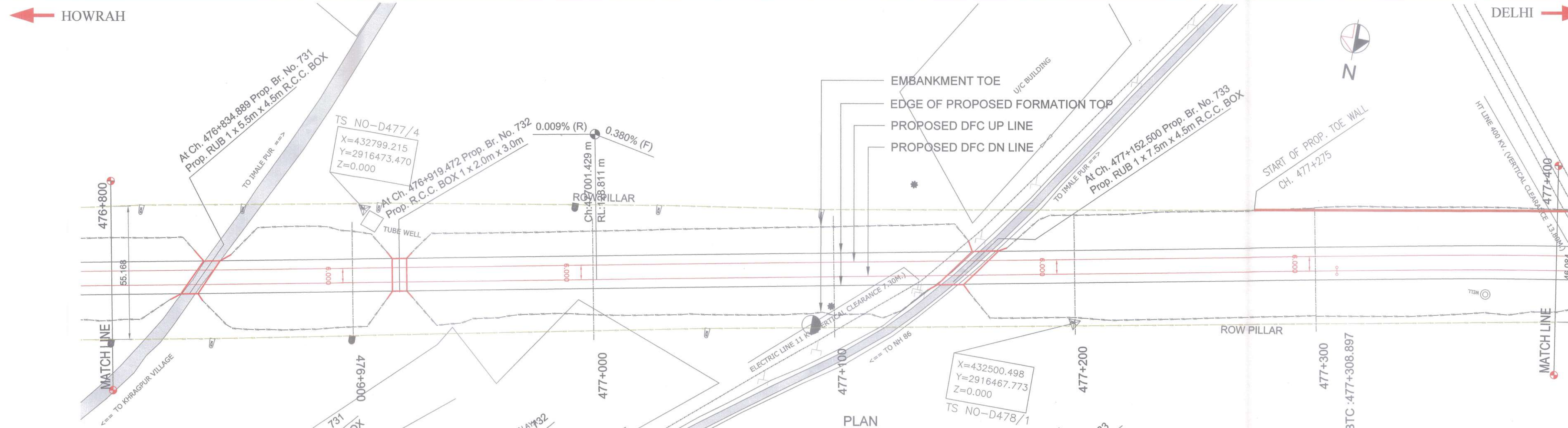


Nov 28, 2015 - 6:47pm	151171_2020_PP_A65+000_10_404000_000-0202
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PROFILE

15117-2020-PP-483/002 TO 483+100.30m-20m



- LEGEND :**
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - DFCC ROW LINE
 - EXISTING IR TOE LINE
 - DFCC TOE LINE
 - EDGE OF PROPOSED FORMATION TOP

- NOTES :**
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 - ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
 - TOP WIDTH OF EMBANKMENT / 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.
 - DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE, HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
 - 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 AS 1.75m BY CUTTING THE EARTH.
 - TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 - FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 476+800 TO 477+400

DRAWING NO. P 2 AL 09 4 4 **REV** F **SCALE** HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
C	09.11.2015	REVISION MADE AS PER DFC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC2/LT/2015/0057 DATED 23.11.2015
E	27.04.2018	REVISED DUE TO WIDENING OF TRACK DISTANCE FROM 6M TO 8M AT MAJOR RUB-735
F	05.05.2018	REVISED AS PER PMC COMMENT PMCS/EDFC2/LT/2018/03157 DATED-03.05.2018

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

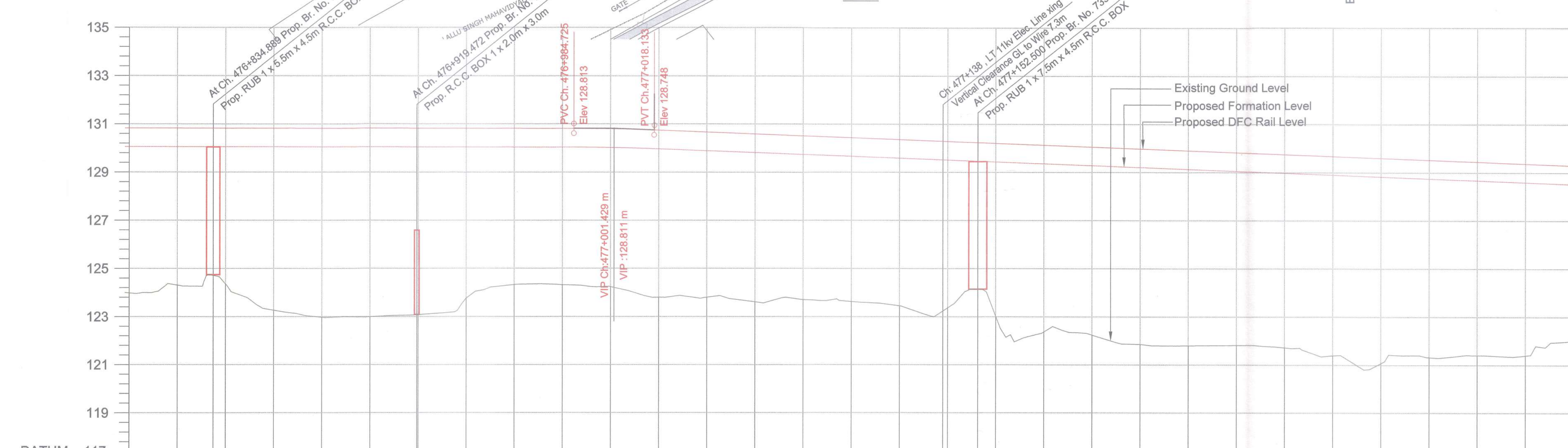
DATE	NAME	SIGN.
DRAWN 27.04.2018	SUSANTA ROY	
CHKD. 27.04.2018	SUDDHASIL PURKAIT	
APPD. 27.04.2018	SANJIB MITRA	

SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
CHKD. 07.05.18	Rupak	
APPD. 07.05.18	RSP Singh	

NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD. 09-5-18	OM PRAKASH	
NOC 09-5-18	P. AMERIKANOS	

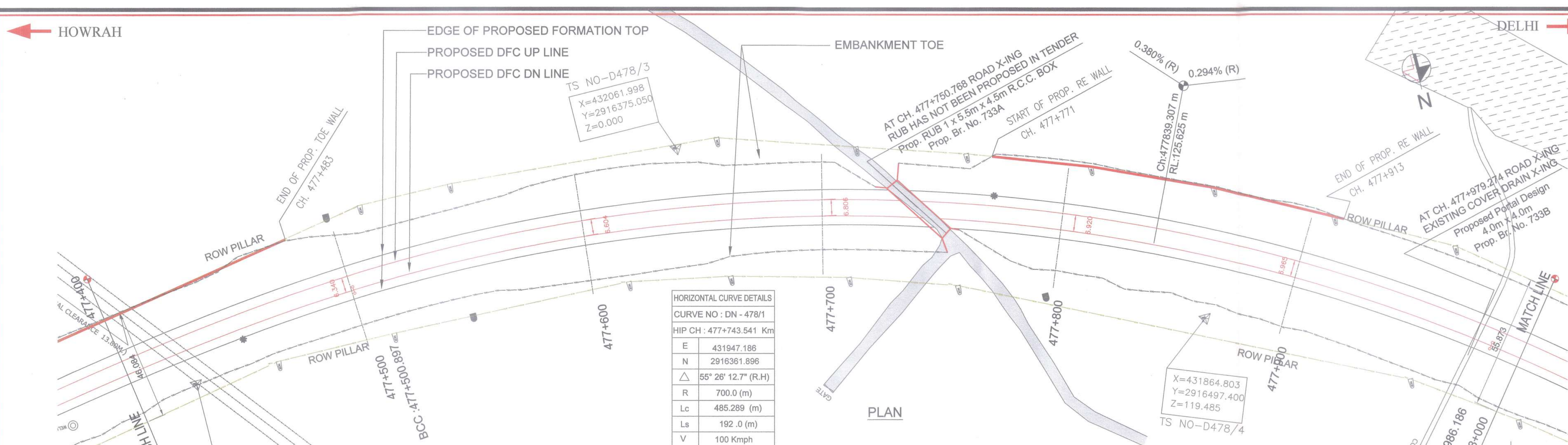
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD. 01.06.18	S.K. MAURYA	

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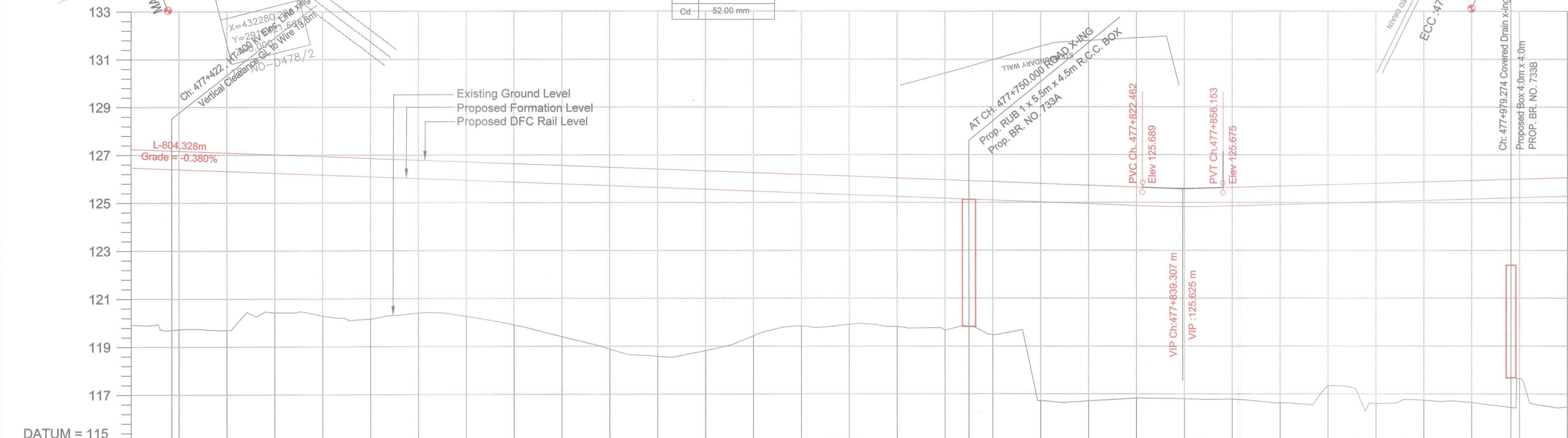


VERTICAL ALIGNMENT	L=1106.563m G=0.009%																			
HORIZONTAL ALIGNMENT	L=549.37m																			
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																				
EXISTING IR RAIL LEVEL																				
FILL HEIGHT (+) / CUT DEPTH (-)	+6.000	+5.751	+5.686	+6.786	+7.076	+7.057	+5.998	+6.290	+5.717	+5.728	+5.797	+6.172	+6.097	+6.206	+6.037	+6.040	+6.139	+6.145	+6.421	+6.985
PROPOSED RAIL LEVEL	128.830	128.828	128.826	128.824	128.822	128.821	128.819	128.817	128.815	128.813	128.799	128.741	128.695	128.599	128.513	128.437	128.390	128.294	128.208	128.132
PROPOSED FORMATION LEVEL	128.059	128.057	128.055	128.053	128.051	128.050	128.046	128.046	128.044	128.042	128.028	127.970	127.894	127.818	127.742	127.666	127.599	127.513	127.437	127.361
GROUND LEVEL	121.979	122.306	122.359	121.267	120.975	120.993	121.980	121.756	122.227	122.316	122.241	121.798	121.797	121.612	121.705	121.628	121.450	121.368	121.916	120.376
CANT (mm)																				
FLOW DIRECTION OF DRAIN																				
CHAINAGE	476+800	476+820	476+840	476+860	476+880	476+900	476+920	476+940	476+960	476+980	477+000	477+020	477+040	477+060	477+080	477+100	477+120	477+140	477+160	477+180

151130_2020_PP_476+800 TO 479+800_Rev-E_.dwg
 May 07, 2018 - 1:34pm



HORIZONTAL CURVE DETAILS	
CURVE NO : DN - 478/1	
HIP CH : 477+743.541 Km	
E	431947.186
N	2916361.896
Δ	55° 26' 12.7" (R.H)
R	700.0 (m)
Lc	485.289 (m)
Ls	192.0 (m)
V	100 Kmph
Ca	145.00 mm
Cd	52.00 mm



VERTICAL ALIGNMENT		L=804.328m G=-0.380%	L=33.692 R=6000.00	L=1186.095m G=0.294%																													
HORIZONTAL ALIGNMENT		L=192.00m	R=700.00m L=485.289m																														
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																																	
EXISTING IR RAIL LEVEL																																	
FILL HEIGHT(+)/ CUT DEPTH (-)		+5.548	+6.688	+6.624	+5.619	+5.883	+5.920	+5.615	+5.684	+5.988	+6.388	+6.831	+7.086	+6.747	+6.062	+5.589	+5.417	+5.440	+5.526	+5.625	+8.308	+8.244	+8.047	+8.028	+8.075	+8.286	+7.643	+8.430	+8.352	+8.611	+7.588	+8.813	
PROPOSED RAIL LEVEL		121.296	121.220	121.144	121.068	120.992	120.915	120.839	120.763	120.687	120.611	120.535	120.459	120.383	120.307	120.231	120.155	120.079	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003	120.003
PROPOSED FORMATION LEVEL		126.525	126.449	126.373	126.297	126.221	126.144	126.068	125.992	125.916	125.840	125.764	125.688	125.612	125.536	125.460	125.384	125.308	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232	125.232
GROUND LEVEL		119.977	119.781	119.749	120.478	120.338	120.194	120.453	120.308	119.948	119.451	118.933	118.632	118.865	119.484	119.891	119.967	119.688	119.726	119.531	118.771	118.760	118.881	118.853	118.940	118.688	117.389	116.861	116.798	116.698	117.699	118.513	
CANT (mm)		Ca 145.00 Cd 52.00																		Ca 145.00 Cd 52.00													
FLOW DIRECTION OF DRAIN																																	
CHAINAGE		477+400	477+420	477+440	477+460	477+480	477+500	477+520	477+540	477+560	477+580	477+600	477+620	477+640	477+660	477+680	477+700	477+720	477+740	477+760	477+780	477+800	477+820	477+840	477+860	477+880	477+900	477+920	477+940	477+960	477+980	478+000	

PROFILE

SECTION-D-202

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE
- EDGE OF PROPOSED FORMATION TOP

- 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 EMBANKMENT / 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/PH.
 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. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM, DRAWINGS WILL BE SUBMITTED SEPARATELY.
 9. PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
 10. AT THE LOCATIONS WHERE FORMATION HEIGHT IS <1.75m, IT IS PROPOSED TO MAKE THE FORMATION HEIGHT AS 1.75m BY CUTTING THE EARTH.
 11. TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 12. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :

ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 477+400 TO 478+000

DRAWING NO.	REV	SCALE
P 2 AL 0945	F	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC2/LT/2015/0067 DATED 23.11.2015
E	27.04.2018	REVISED DUE TO WIDENING OF TRACK DISTANCE FROM 8M TO 8M AT MAJOR RUB-735
F	05.05.2018	REVISED AS PER PMC COMMENT PMCS/EDFC2/LT/2018/03157 DATED 03.05.2018

DRAWING STAGE

☒ FOR APPROVAL

☐ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV

DESIGN CONSULTANT:

STUP Consultants Pvt. Ltd.

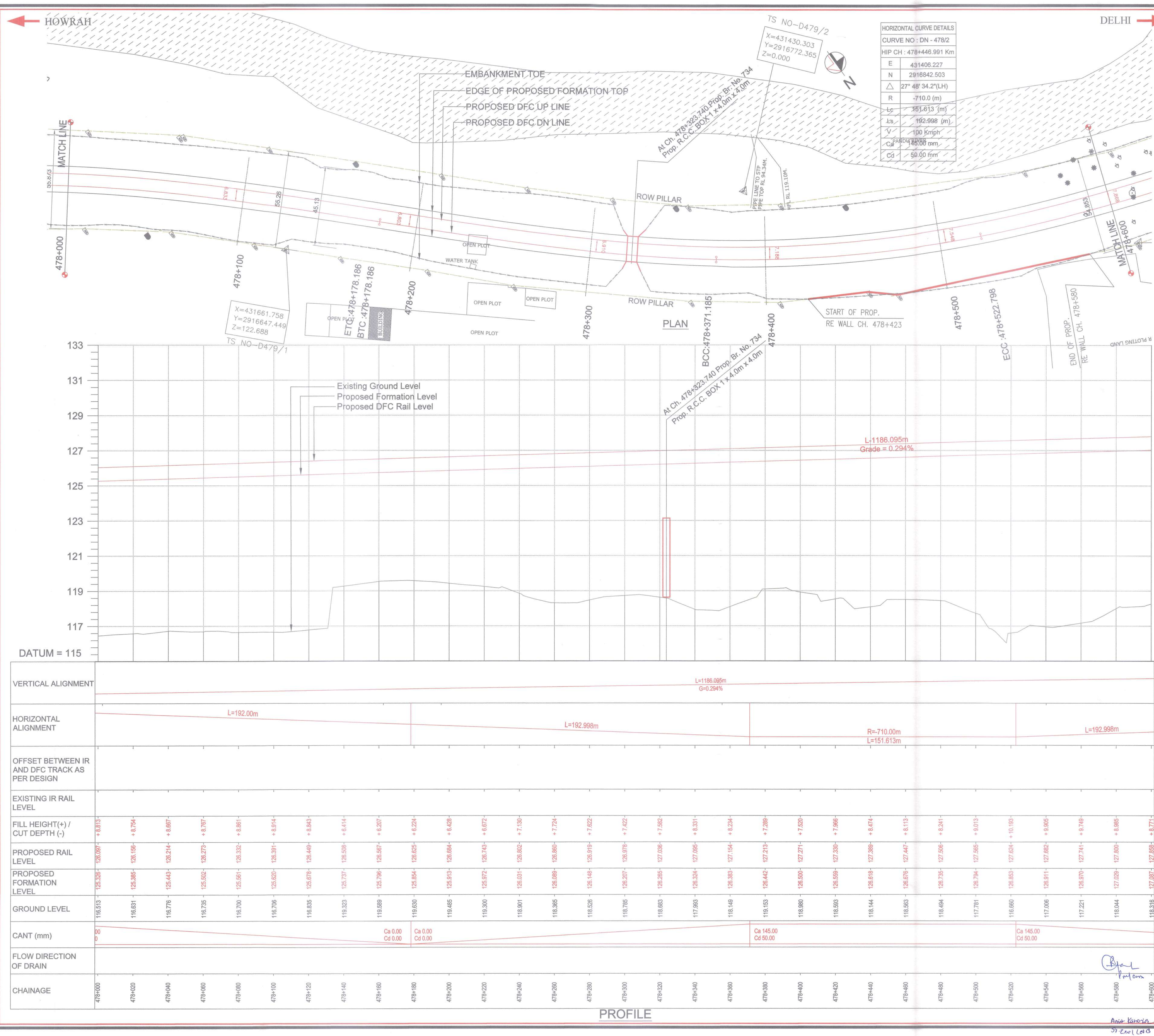
REGISTERED OFFICE : 1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.

OFFICE OF ORIGIN KOLKATA

	DATE	NAME	SIGN.
DRAWN	27.04.2018	SUSANTA ROY	
CHKD.	27.04.2018	SUDDHASIL PURKAIT	
APPD.	27.04.2018	SANJIB MITRA	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.	07.05.18	Reshak	
APPD.	07.05.18	RSP Singh	
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	09-5-18	Om Prakash	
NOC	09-5-18	P. AMERICANOS	
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.	01.06.18	S.K. MISHRA	
APPD.			

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151130_2020_PP_477+400 TO 478+000_Rev-E.dwg May 07, 2018 1:34pm



SECTION-D-202

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE
- EDGE OF PROPOSED FORMATION TOP

NOTES :

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF EMBANKMENT / 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.
- DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
- 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 AS 1.75m BY CUTTING THE EARTH.
- TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :

ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 478+000 TO 478+600

DRAWING NO. REV SCALE

P 2 AL 0 9 4 6 F HOR : 1:1000 VER : 1:100

REVIEWS

REV	DATE	REMARKS
C	09.11.2015	REVISION MADE AS PER DFC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2/TT/2015/0057 DATED 23.11.2015
E	27.04.2018	REVISED DUE TO WIDENING OF TRACK DISTANCE FROM 6M TO 8M AT MAJOR RUB-735
F	05.05.2018	REVISED AS PER PMC COMMENT PMCS/EDFC/2/TT/2018/03157 DATED 03.05.2018

DRAWING STAGE

☒ FOR APPROVAL

☐ GOOD FOR CONSTRUCTION

PMC :

SYSTRA Mott MacDonald 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.
27.04.2018	SUSANTA ROY	
27.04.2018	SUDDHASIL PURKAIT	
27.04.2018	SANJIB MITRA	

SUBMITTED BY : GIL - SIL JV

DATE	NAME	SIGN.
07.05.18	RSP Singh	
07.05.18	RSP Singh	

NOC BY : SYSTRA - Mott MacDonald JV

DATE	NAME	SIGN.
09-5-18	Omprakash	
09-5-18	P. AMERIKANOS	

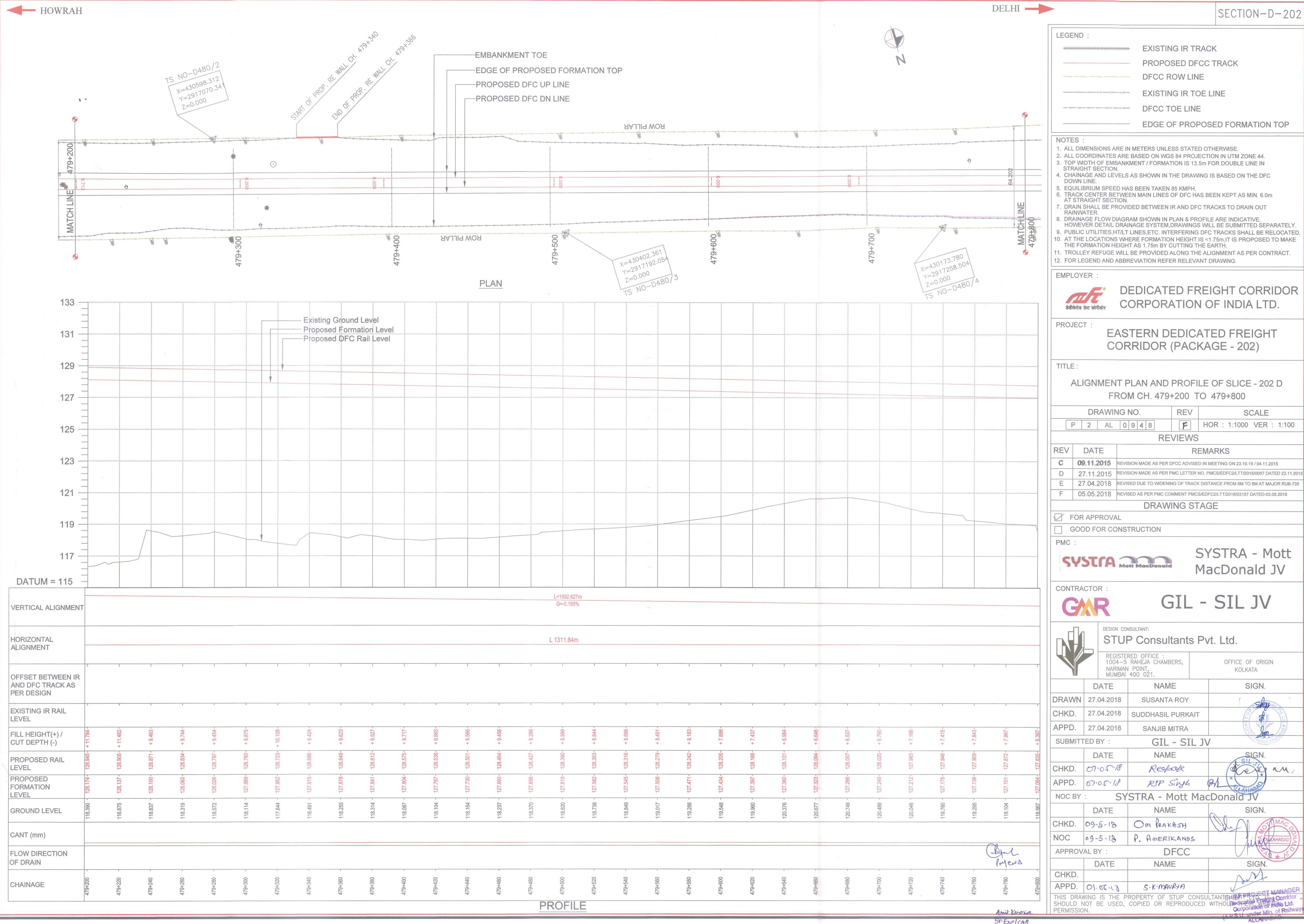
APPROVAL BY : DFCC

DATE	NAME	SIGN.
07.05.18	S.K. MAURYA	

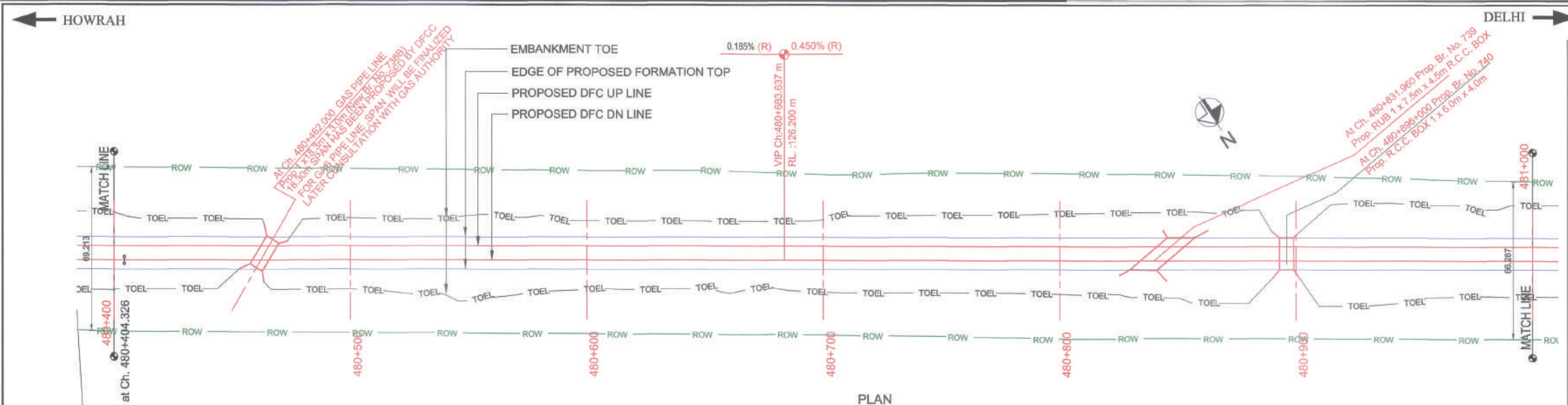
CHAINAGE

478+000 478+020 478+040 478+060 478+080 478+100 478+120 478+140 478+160 478+180 478+200 478+220 478+240 478+260 478+280 478+300 478+320 478+340 478+360 478+380 478+400 478+420 478+440 478+460 478+480 478+500 478+520 478+540 478+560 478+580 478+600

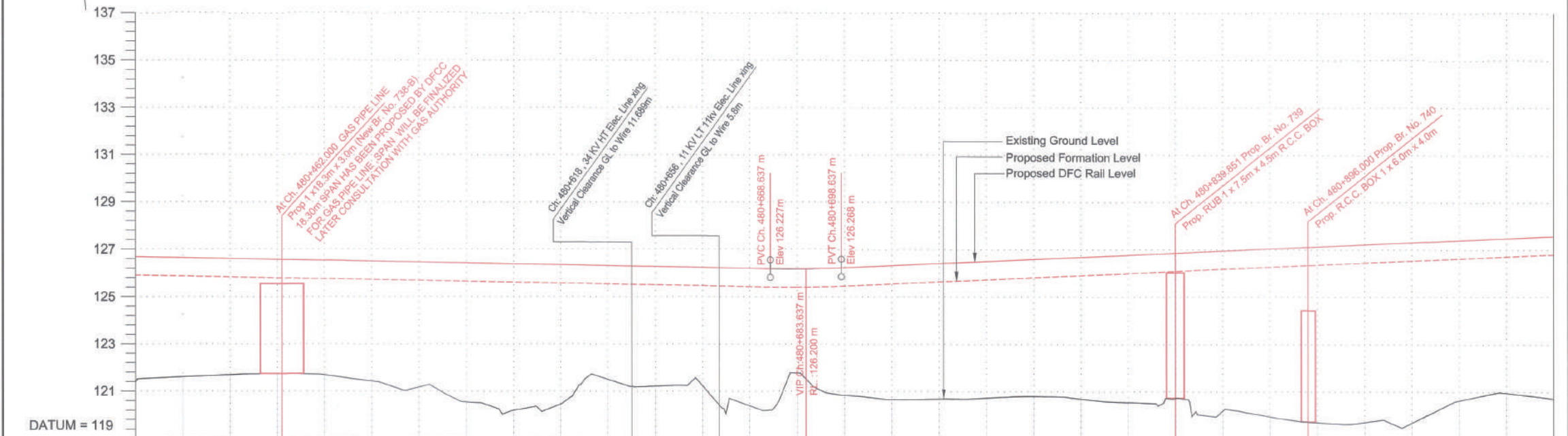
PROFILE







PLAN



VERTICAL ALIGNMENT	L=1692.527m G=0.185%																		
HORIZONTAL ALIGNMENT																			
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																			
EXISTING IR RAIL LEVEL	121.403	121.664	121.726	121.788	121.850	121.912	121.974	122.036	122.098	122.160	122.222	122.284	122.346	122.408	122.470	122.532	122.594	122.656	122.718
FILL HEIGHT(+)/ CUT DEPTH (-)	+4.520	+4.262	+4.133	+4.042	+3.966	+3.902	+3.848	+3.794	+3.740	+3.686	+3.632	+3.578	+3.524	+3.470	+3.416	+3.362	+3.308	+3.254	+3.200
PROPOSED RAIL LEVEL	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923
PROPOSED FORMATION LEVEL	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923	125.923
GROUND LEVEL	121.403	121.664	121.726	121.788	121.850	121.912	121.974	122.036	122.098	122.160	122.222	122.284	122.346	122.408	122.470	122.532	122.594	122.656	122.718
CANT (mm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FLOW DIRECTION OF DRAIN																			
CHAINAGE	480+00	480+20	480+40	480+60	480+80	480+100	480+120	480+140	480+160	480+180	480+200	480+220	480+240	480+260	480+280	480+300	480+320	480+340	480+360

PROFILE

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- IR TOE
- EXISTING IR TOE LINE
- TOEL
- DFCC TOE LINE
- EDGE OF PROPOSED FORMATION TOP

- NOTES :
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 - ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
 - TOP WIDTH OF EMBANKMENT / FORMATION IS 13.0m 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.
 - DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
 - 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 AS 1.75m BY CUTTING THE EARTH.
 - TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 - FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 480+400 TO 481+000

DRAWING NO.	REV	SCALE
P 2 AL 0950	E	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/LT/2015/0067 DATED 23.11.2015
E	16.07.2016	RAIL LEVEL CHANGED FROM 480+480 TO 482+000 AS PER PMC LETTER NO. 663/2286 DATED 08-03-2016/13-07-2016

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

PMC :
SYSTRA - Mott MacDonald JV

CONTRACTOR :
GIL - SIL JV

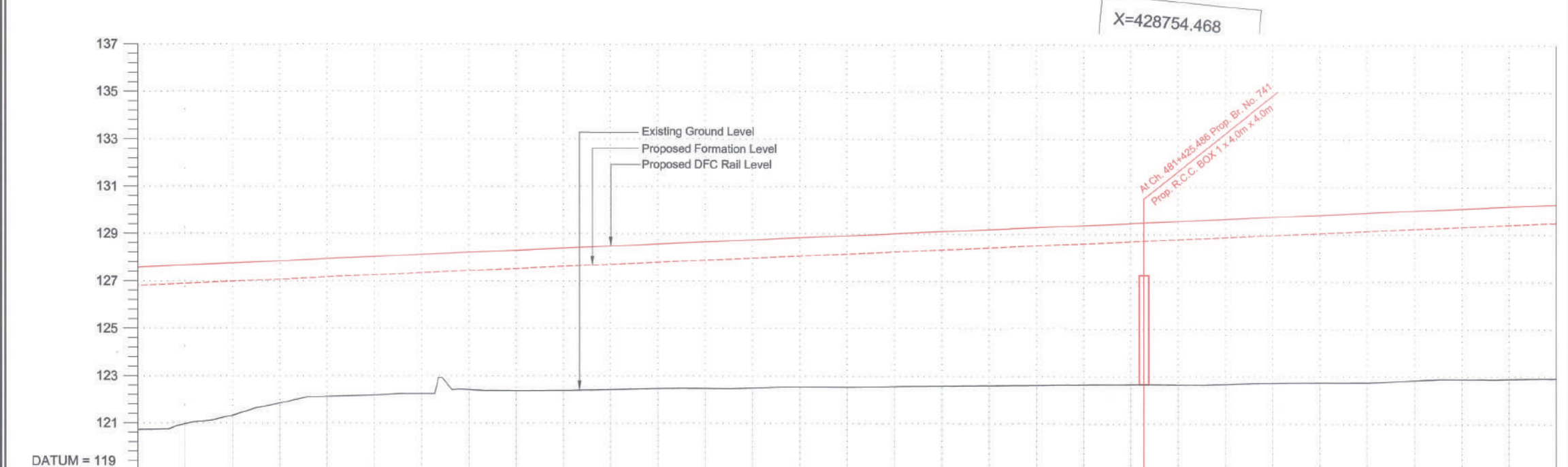
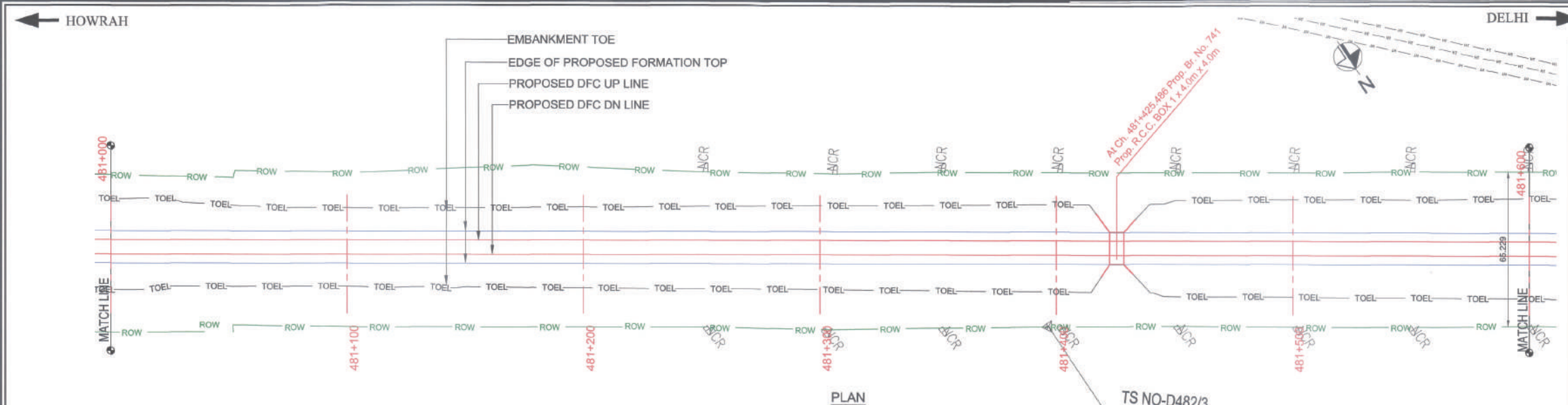
DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.
REGISTERED OFFICE : 1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.
OFFICE OF ORIGIN KOLKATA

DATE	NAME	SIGN.
DRAWN 02.11.2016	AVIJIT DAS	
CHKD. 02.11.2016	SUDDHASHIL PURKAIT	
APPD. 02.11.2016	ANIL KUMAR MITTAL	
SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
CHKD.	REEPAK GUPTA	
APPD.	RAMPAL SAINI	
NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD. 3-11-16	KAMAL SHARMA	
NOC 3-11-16	P. AMERIKANOS	

APPROVAL BY : DFCC		
DATE	NAME	SIGN.
CHKD. 3/11/16	S.K. MANDAL	
APPD.		

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16/01/2016 202 PP 480+400 TO 482+000 Rev-F .dgn Nov 07, 2016 - 4:45pm



VERTICAL ALIGNMENT	G=0.450% L=1168.965	
	L=3513.639	
HORIZONTAL ALIGNMENT		
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN		
EXISTING IR RAIL LEVEL	126.851	127.525
FILL HEIGHT(+)/ CUT DEPTH (-)	0.079	5.933
PROPOSED RAIL LEVEL	127.000	127.712
PROPOSED FORMATION LEVEL	127.000	127.712
GROUND LEVEL	126.851	127.525
CANT (mm)	0	0
FLOW DIRECTION OF DRAIN	Left	Right
CHAINAGE	481+000	481+600

SECTION-D-202

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- IR TOE
- EXISTING IR TOE LINE
- TOEL
- DFCC TOE LINE
- EDGE OF PROPOSED FORMATION TOP

NOTES :

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF EMBANKMENT / 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.
- DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
- 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 AS 1.75m BY CUTTING THE EARTH.
- TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :

ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 481+000 TO 481+600

DRAWING NO.	REV	SCALE
P 2 AL 0951	E	HOR : 1:1000 VER : 1:100

REVIEWS

REV	DATE	REMARKS
B	14.10.2015	FOR REVIEW
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
E	16.07.2016	RAIL LEVEL CHANGED FROM 480+000 TO 482+000 AS PER PMC LETTER NO. 0652288 DATED 08-03-2016/13-07-2016

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, NARIAMAN POINT, MUMBAI 400 021.

OFFICE OF ORIGIN KOLKATA

DATE	NAME	SIGN.
DRAWN 02.11.2016	AVIJIT DAS	
CHKD. 02.11.2016	SUDDHASHIL PURKAIT	
APPD. 02.11.2016	ANIL KUMAR MITTAL	

SUBMITTED BY : GIL - SIL JV

DATE	NAME	SIGN.
CHKD.	REPAK GUPTA	
APPD.	RAMPAL SAINI	

NOC BY : SYSTRA - Mott MacDonald JV

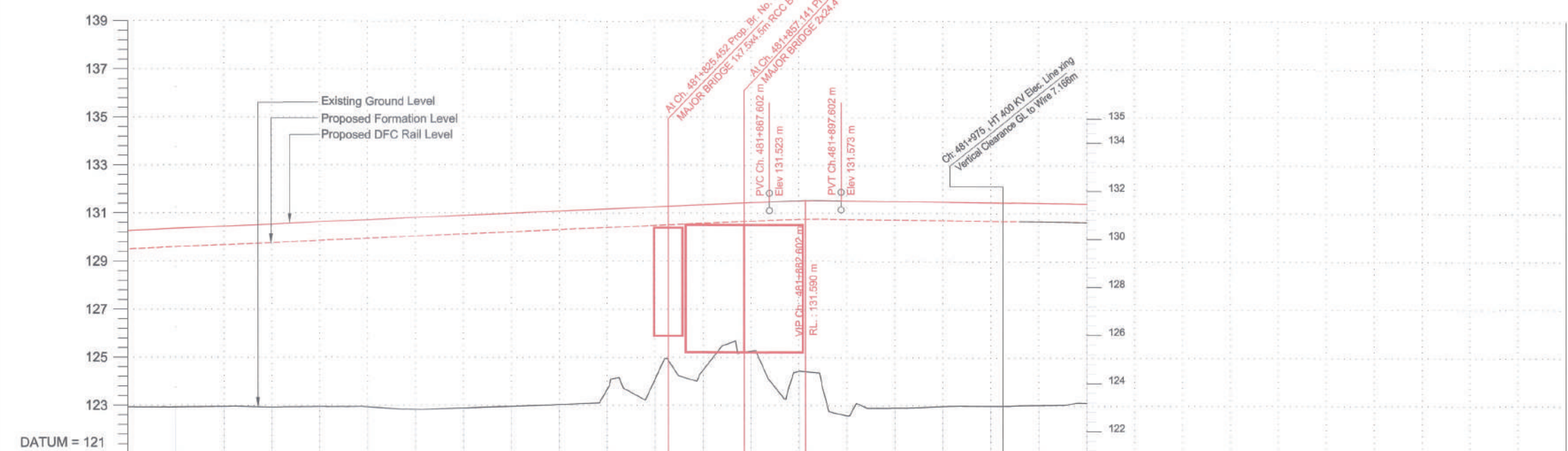
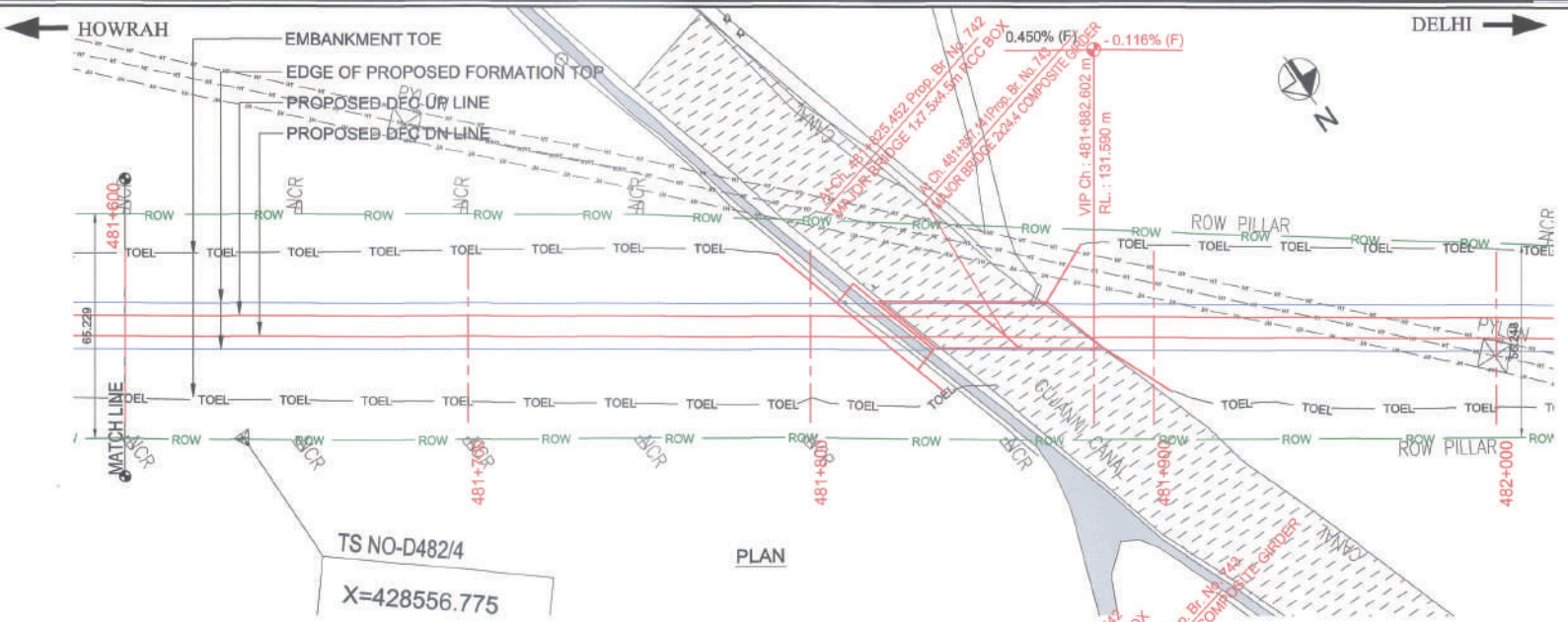
DATE	NAME	SIGN.
CHKD. 3.11.16	KAMAL SHARMA	
NOC 3.11.16	P. AMERIKANOS	

APPROVAL BY : DFCC

DATE	NAME	SIGN.
CHKD. 31/11/16	S.K. MAURYA	
APPD.		

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Nov 02 '2016 - 4:46pm 161019 2021 PP 481+000 TO 482+000 Rev-F .dwg



VERTICAL ALIGNMENT	
HORIZONTAL ALIGNMENT	
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	
EXISTING IR RAIL LEVEL	
FILL HEIGHT(+)/ CUT DEPTH (-)	6.569 6.666 6.728 6.841 6.917 7.012 7.204 7.242 7.201 7.296 6.793 6.301 6.108 6.405 6.316 6.106 7.816 7.736 7.686 7.638 7.593
PROPOSED RAIL LEVEL	130.320 130.405 130.489 130.586 130.675 130.769 130.869 130.949 131.009 131.125 131.219 131.306 131.386 131.484 131.564 131.570 131.547 131.544 131.500 131.477 131.454
PROPOSED FORMATION LEVEL	129.345 129.438 129.528 129.618 129.709 129.799 129.899 130.000 130.099 130.199 130.299 130.399 130.499 130.599 130.699 130.799 130.899 130.999 131.099 131.199 131.299
GROUND LEVEL	122.861 122.972 123.000 123.077 123.191 123.299 123.384 123.458 123.507 123.571 123.619 123.647 123.670 123.677 123.677 123.661 123.630 123.584 123.528 123.468 123.400
CANT (mm)	
FLOW DIRECTION OF DRAIN	
CHAINAGE	481+600 481+620 481+640 481+660 481+680 481+700 481+720 481+740 481+760 481+780 481+800 481+820 481+840 481+860 481+880 481+900 481+920 481+940 481+960 481+980 482+000

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- IR TOE
- EXISTING IR TOE LINE
- TOEL
- DFCC TOE LINE
- EDGE OF PROPOSED FORMATION TOP

- NOTES :
- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 - ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
 - TOP WIDTH OF EMBANKMENT / 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.
 - DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
 - 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 AS 1.75m BY CUTTING THE EARTH.
 - TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 - FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.

EMPLOYER :
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 481+600 TO 482+000

DRAWING NO.	REV	SCALE
P 2 AL 0952	E	HOR : 1:1000 VER : 1:100

REV	DATE	REMARKS
B	14.10.2015	FOR REVIEW
C	09.11.2015	REVISION MADE AS PER DFCC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
F	16.07.2016	RAIL LEVEL CHANGED FROM 480+680 TO 482+000 AS PER PMC LETTER NO. 0632268 DATED 08-03-2016/13-07-2016

DRAWING STAGE

☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

PMC :
SYSTRA - Mott MacDonald JV

CONTRACTOR :
GIL - SIL JV

DATE	NAME	SIGN.
DRAWN	02.11.2016	AVIJIT DAS
CHKD.	02.11.2016	SUDDHASHIL PURKAIT
APPD.	02.11.2016	ANIL KUMAR MITTAL

SUBMITTED BY :
GIL - SIL JV

DATE	NAME	SIGN.
CHKD.		REPAK GUPTA
APPD.		RAMPAL SAINI

NOC BY :
SYSTRA - Mott MacDonald JV

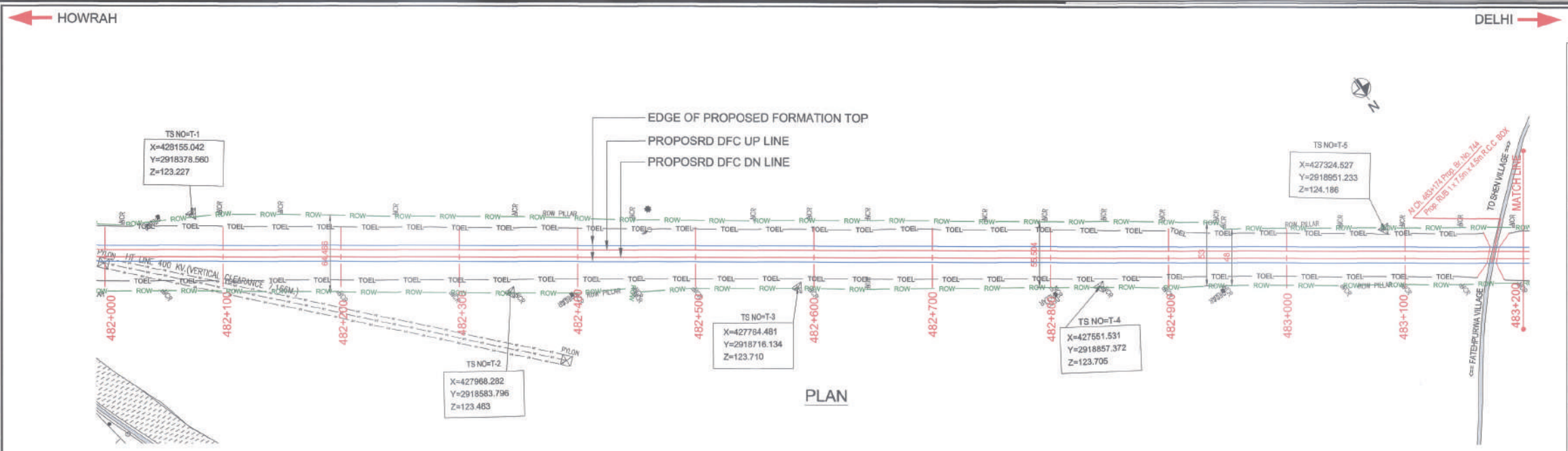
DATE	NAME	SIGN.
CHKD.	2-11-16	KAMAL SHARMA
NOC	3-11-16	PAMERIKANGS

APPROVAL BY :
DFCC

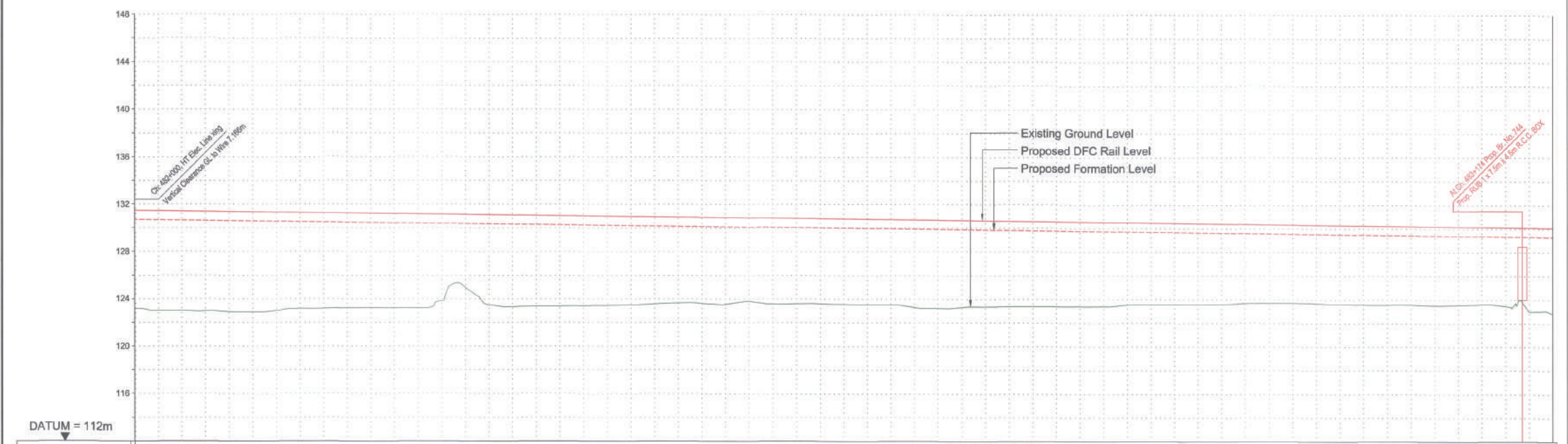
DATE	NAME	SIGN.
CHKD.	3/11/16	S.K. Maurya
APPD.		

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For no. 742 & 743 the changed as per approved alignment plan.
03.11.16
Sylanku
Rajay



PLAN



PROFILE

VERTICAL ALIGNMENT	G = -0.116% L = 1657.023	
	L = 3513.839	
HORIZONTAL ALIGNMENT		
OFFSET BETWEEN IR AND DFCC TRACK AS PER DESIGN		
EXISTING IR RAIL LEVEL		
FILL HEIGHT(+)/ CUT DEPTH (-)	7.503	131.654
PROPOSED RAIL LEVEL	131.654	131.654
PROPOSED FORMATION LEVEL	130.883	130.883
GROUND LEVEL	123.180	123.180
CANT (mm)		
CHAINAGE	482+000	483+200

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- PROPOSED FORMATION
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE FOR EMB HT < 6.0M
- FLOW DIRECTION OF PROPOSED DRAIN
- EDGE OF PROPOSED FORMATION TOP
- EXISTING GROUND

NOTES :

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF EMBANKMENT / FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
- CHANGING AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
- EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KMPH.
- TRACK CENTER BETWEEN DFC & EXISTING IR TRACK HAS BEEN KEPT AT MIN. 6.0M AT STRAIGHT SECTION.
- TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AT MIN. 6.0M AT STRAIGHT SECTION.
- DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
- DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
- DFCC CABLE FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
- PUBLIC UTILITIES, HT/ LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
- AT THE LOCATIONS WHERE EMBANKMENT HEIGHT IS < 1M, IT IS PROPOSED TO MAKE THE EMBANKMENT HEIGHT AS 1M BY CUTTING THE EARTH.
- TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.
- PROPOSED ROW SHOWN FROM 486+500 TO 482+916 IS AS PER THE DOCUMENT GIVEN BY DFCC.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :

ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 482+000 TO CH. 483+200

DRAWING NO.	REV	SCALE
P 2 AL 0953	D	HOR : 1:2000 VER : 1:200

REVIEWS

REV	DATE	REMARKS
B	07.07.2016	REVISED AS PER PMC LETTER NO.663 DATED 08-03-2016
C	16.07.2016	REVISED AS PER PMC LETTER NO.2266 DTD. 13-07-2016
D	05.08.2016	REVISED AS PER PMC LETTER NO.2425 DTD. 28-07-2016

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 02.11.2016	AVIJIT DAS	A. Das
CHKD. 02.11.2016	SUDDHASHIL PURKAIT	S. Purkait
APPD. 02.11.2016	ANIL KUMAR MITTAL	A. Mittal

SUBMITTED BY : **GIL - SIL JV**

DATE	NAME	SIGN.
CHKD.	REPAK GUPTA	R. Gupta
APPD.	RAMPAL SAINI	R. Saini

NOC BY : **SYSTRA - Mott MacDonald JV**

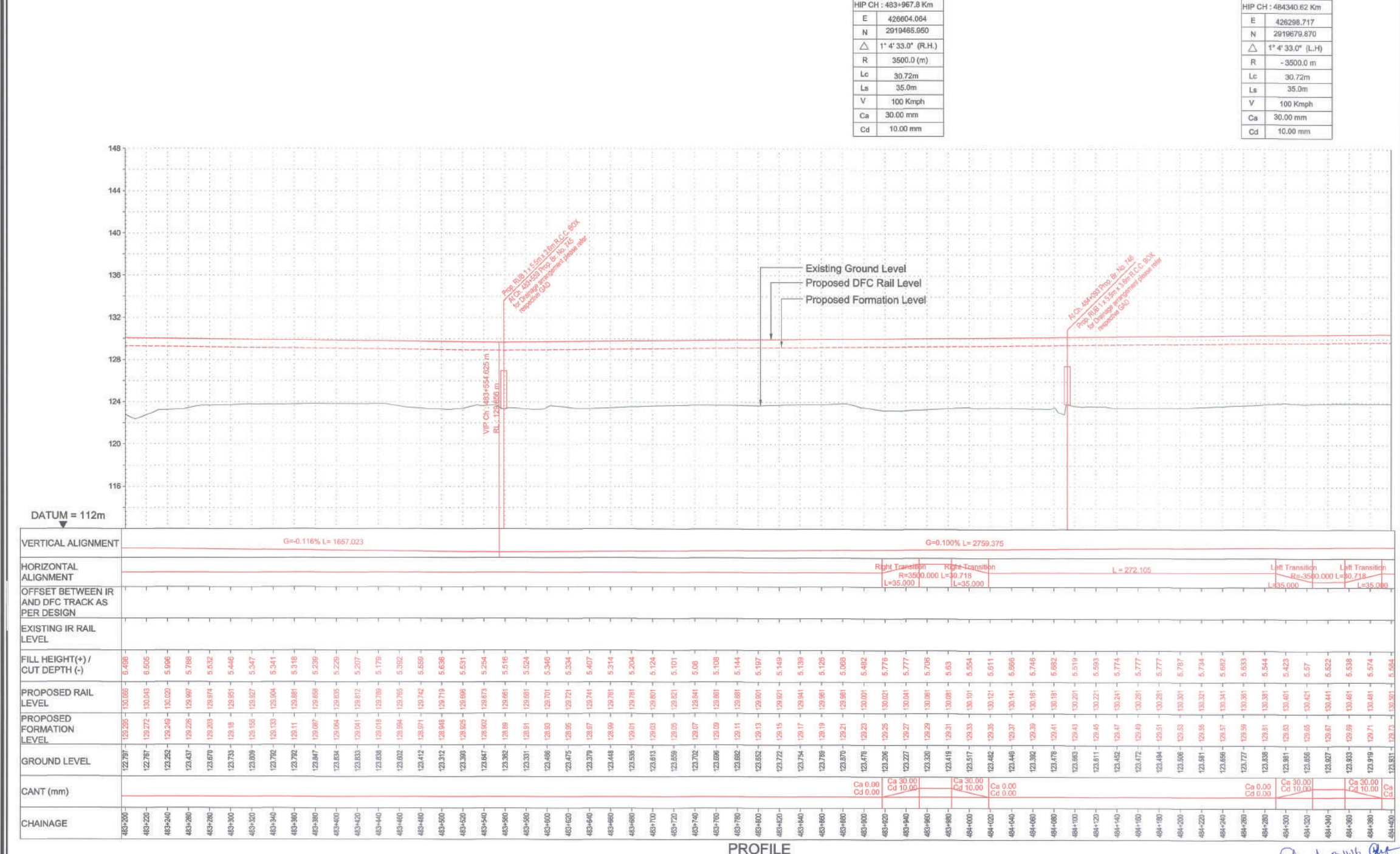
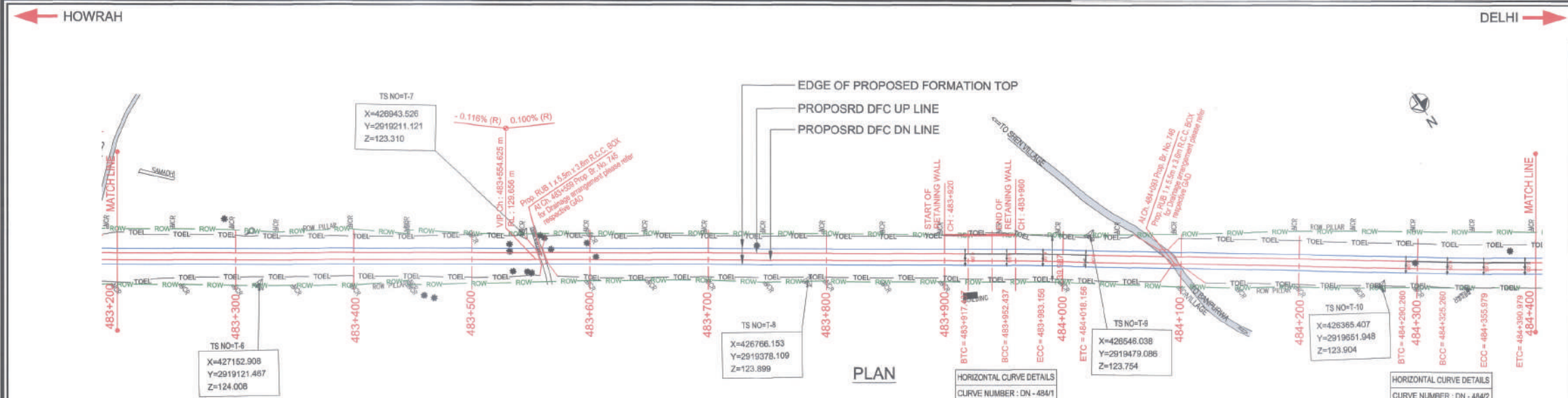
DATE	NAME	SIGN.
CHKD. 3-11-16	KAMAL SHARMA	K. Sharma
NOC 3-11-16	P. AMERIKANOS	P. Amerikanos

APPROVAL BY : **DFCC**

DATE	NAME	SIGN.
CHKD. 3/11/16	S.K. MAURYA	S.K. Maurya
APPD.		

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Drawn 03.11.16
S.K. Maurya



LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- PROPOSED FORMATION
- DFCC ROW LINE
- IR TOE
- EXISTING IR TOE LINE
- DFCC TOE LINE FOR EMB HT < 6.0M
- FLOW DIRECTION OF PROPOSED DRAIN
- EDGE OF PROPOSED FORMATION TOP
- EXISTING GROUND

NOTES :

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
- TOP WIDTH OF EMBANKMENT / FORMATION IS 13.5M FOR DOUBLE LINE IN STRAIGHT SECTION.
- CHANGING AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
- EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KM/PH.
- TRACK CENTER BETWEEN DFC & EXISTING IR TRACK HAS BEEN KEPT AT MIN. 6.0M AT STRAIGHT SECTION.
- TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AT MIN. 6.0M AT STRAIGHT SECTION.
- DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
- DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
- OPC CABLE FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
- PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED AT THE LOCATIONS WHERE EMBANKMENT HEIGHT IS < 1M IT IS PROPOSED TO MAKE THE EMBANKMENT HEIGHT AS 1M BY CUTTING THE EARTH.
- TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.
- PROPOSED ROW SHOWN FROM 483+500 TO 484+150 IS AS PER THE DOCUMENT GIVEN BY DFC.

EMPLOYER :

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :

EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :

ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 483+200 TO CH. 484+400

DRAWING NO.		REV	SCALE
P	2	AL 0954	D
		HOR : 1:2000 VER : 1:200	

REVIEWS

REV	DATE	REMARKS
B	07.07.2016	REVISED AS PER PMC LETTER NO.663 DATED 08-03-2016
C	16.07.2016	REVISED AS PER PMC LETTER NO.2266 DTD. 13-07-2016
D	05.08.2016	REVISED AS PER PMC LETTER NO.2425 DTD. 28-07-2016

DRAWING STAGE

☒ FOR APPROVAL

☐ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott MacDonald JV

CONTRACTOR :

GIL - SIL JV

DESIGN CONSULTANT:

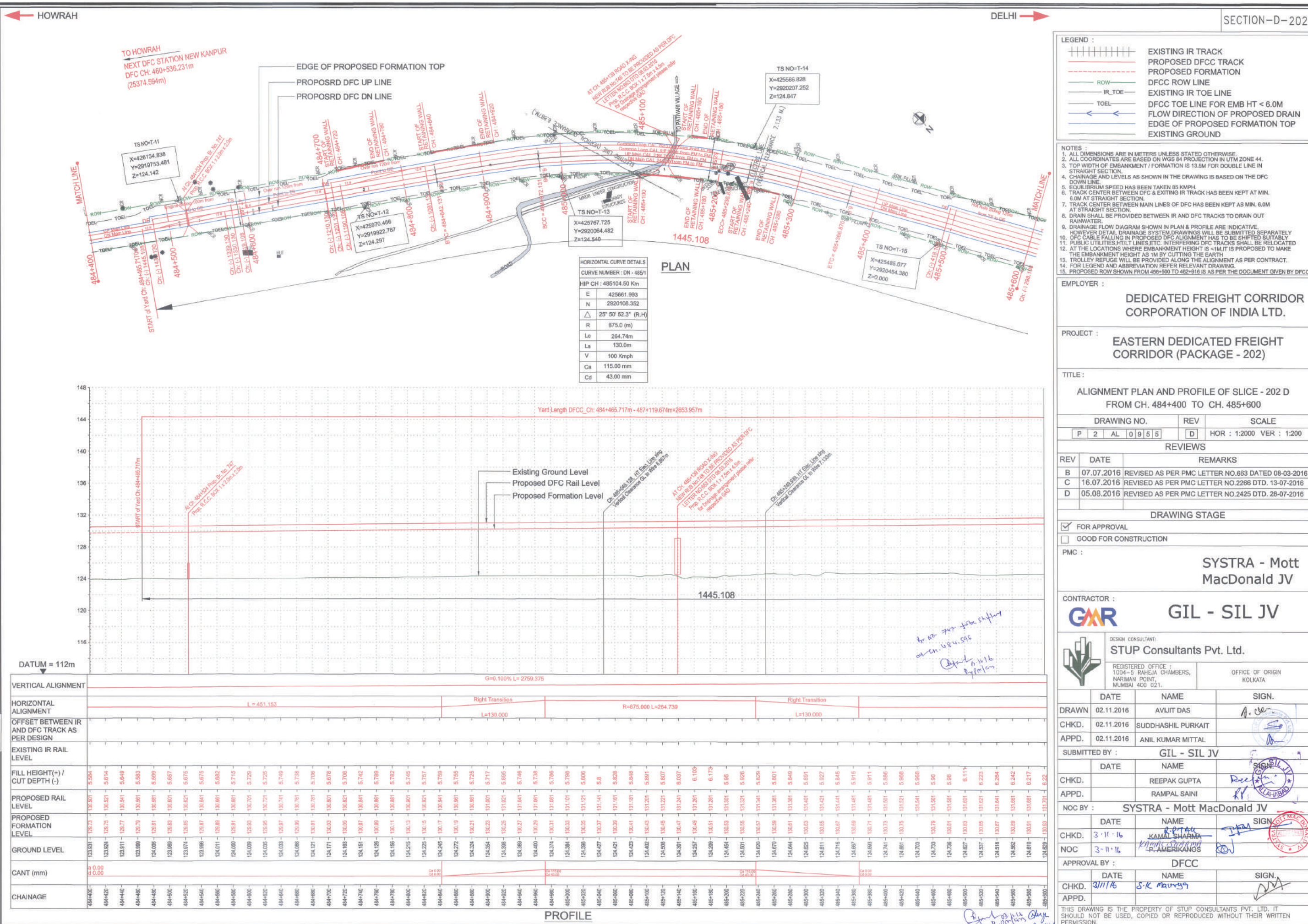
STUP Consultants Pvt. Ltd.

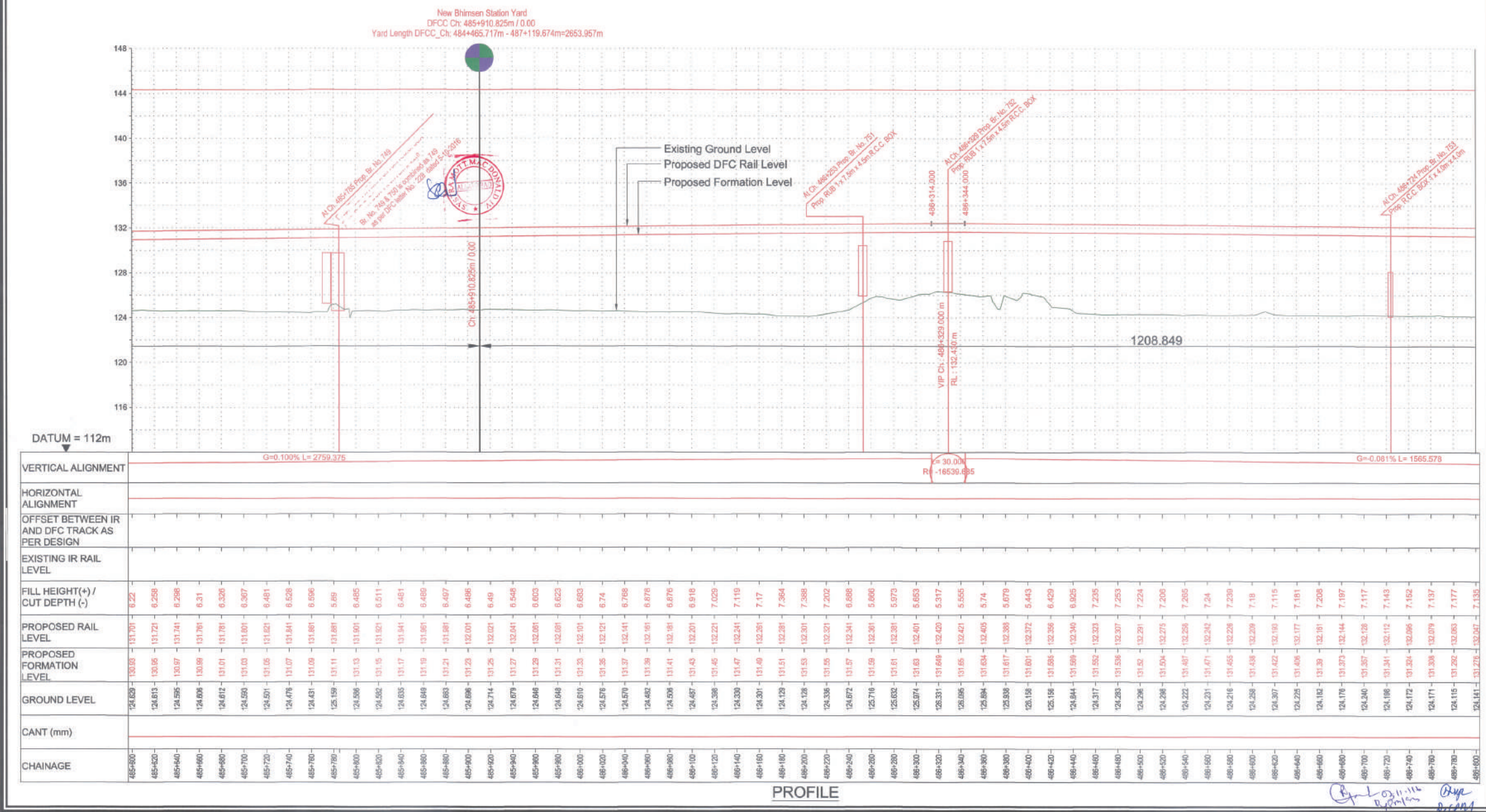
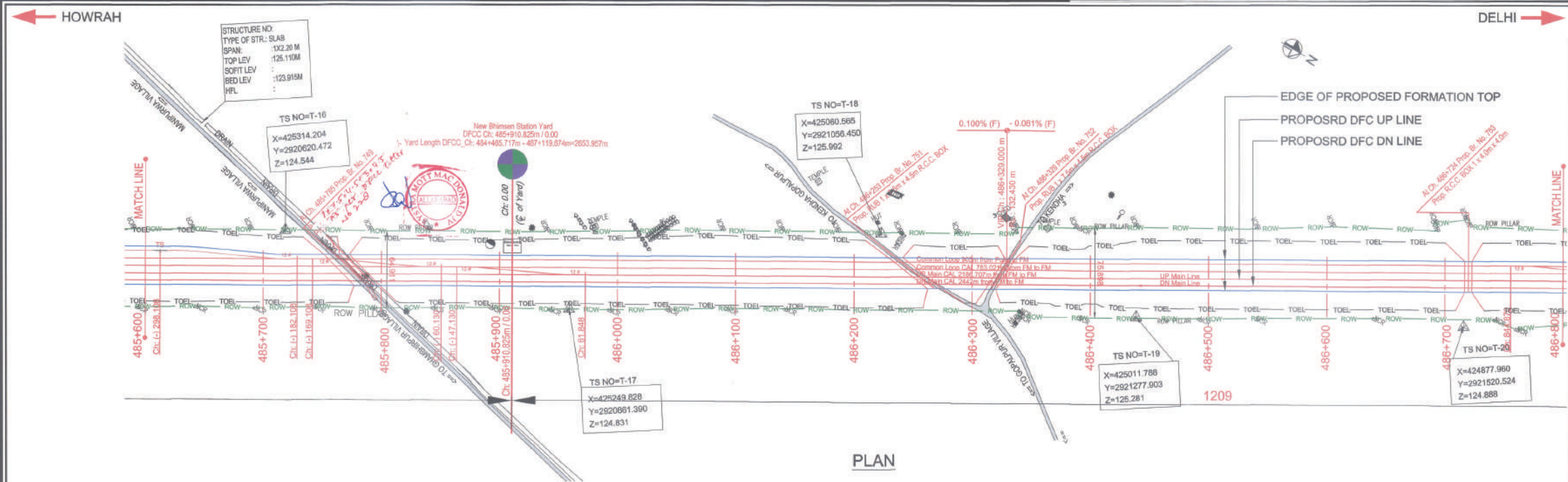
REGISTERED OFFICE : 1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.

OFFICE OF ORIGIN KOLKATA

DATE	NAME	SIGN.
DRAWN	02.11.2016	AVIJIT DAS
CHKD.	02.11.2016	SUDDHASHIL PURKAIT
APPD.	02.11.2016	ANIL KUMAR MITTAL
SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
CHKD.		REPAK GUPTA
APPD.		RAMPAL SAINI
NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD.	3.11.16	KAMAL SHARMA
NOC	3.11.16	P. AMERIKANOS
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
CHKD.	31/11/16	S.K. Maitra
APPD.		

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SECTION-D-202

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFC TRACK
- PROPOSED FORMATION
- DFCC ROW LINE
- EXISTING IR TOE LINE
- DFCC TOE LINE FOR EMB HT < 6.0M
- FLOW DIRECTION OF PROPOSED DRAIN
- EDGE OF PROPOSED FORMATION TOP
- EXISTING GROUND

NOTES :

- ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
- ALL COORDINATES ARE BASED ON WGS 84 PROJECTION IN UTM ZONE 44.
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- CHAINAGE AND LEVELS AS SHOWN IN THE DRAWING IS BASED ON THE DFC DOWN LINE.
- EQUILIBRIUM SPEED HAS BEEN TAKEN AS 85 KM/H.
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- TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0M AT STRAIGHT SECTION.
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- DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
- DFCC CABLE FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
- PUBLIC UTILITIES, HT/LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED AT THE LOCATIONS WHERE EMBANKMENT HEIGHT IS < 1M. IT IS PROPOSED TO MAKE THE EMBANKMENT HEIGHT AS 1M BY CUTTING THE EARTH.
- TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
- FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.
- PROPOSED ROW SHOWN FROM 485+500 TO 486+518 IS AS PER THE DOCUMENT GIVEN BY DFCC.

EMPLOYER :
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D FROM CH. 485+600 TO CH. 486+800

DRAWING NO. REV SCALE
P 2 AL 0 9 5 6 D HOR : 1:2000 VER : 1:200

REVIEWS

REV	DATE	REMARKS
B	07.07.2016	REVISED AS PER PMC LETTER NO.663 DATED 08-03-2016
C	16.07.2016	REVISED AS PER PMC LETTER NO.2266 DTD. 13-07-2016
D	05.08.2016	REVISED AS PER PMC LETTER NO.2425 DTD. 28-07-2016

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,
NARIAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

DATE	NAME	SIGN.
DRAWN 02.11.2016	AVIJIT DAS	
CHKD. 02.11.2016	SUDDHASHIL PURKAIT	
APPD. 02.11.2016	ANIL KUMAR MITTAL	

SUBMITTED BY :
GIL - SIL JV

DATE	NAME	SIGN.
CHKD.	REPAK GUPTA	
APPD.	RAMPAL SAINI	

NOC BY :
SYSTRA - Mott MacDonald JV

DATE	NAME	SIGN.
CHKD. 3.11.16	KAMAL SHARMA	
NOC 3.11.16	P. AMERIKANGS	

APPROVAL BY :
DFCC

DATE	NAME	SIGN.
CHKD. 3/11/16	S-K MAURYA	
APPD.		

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