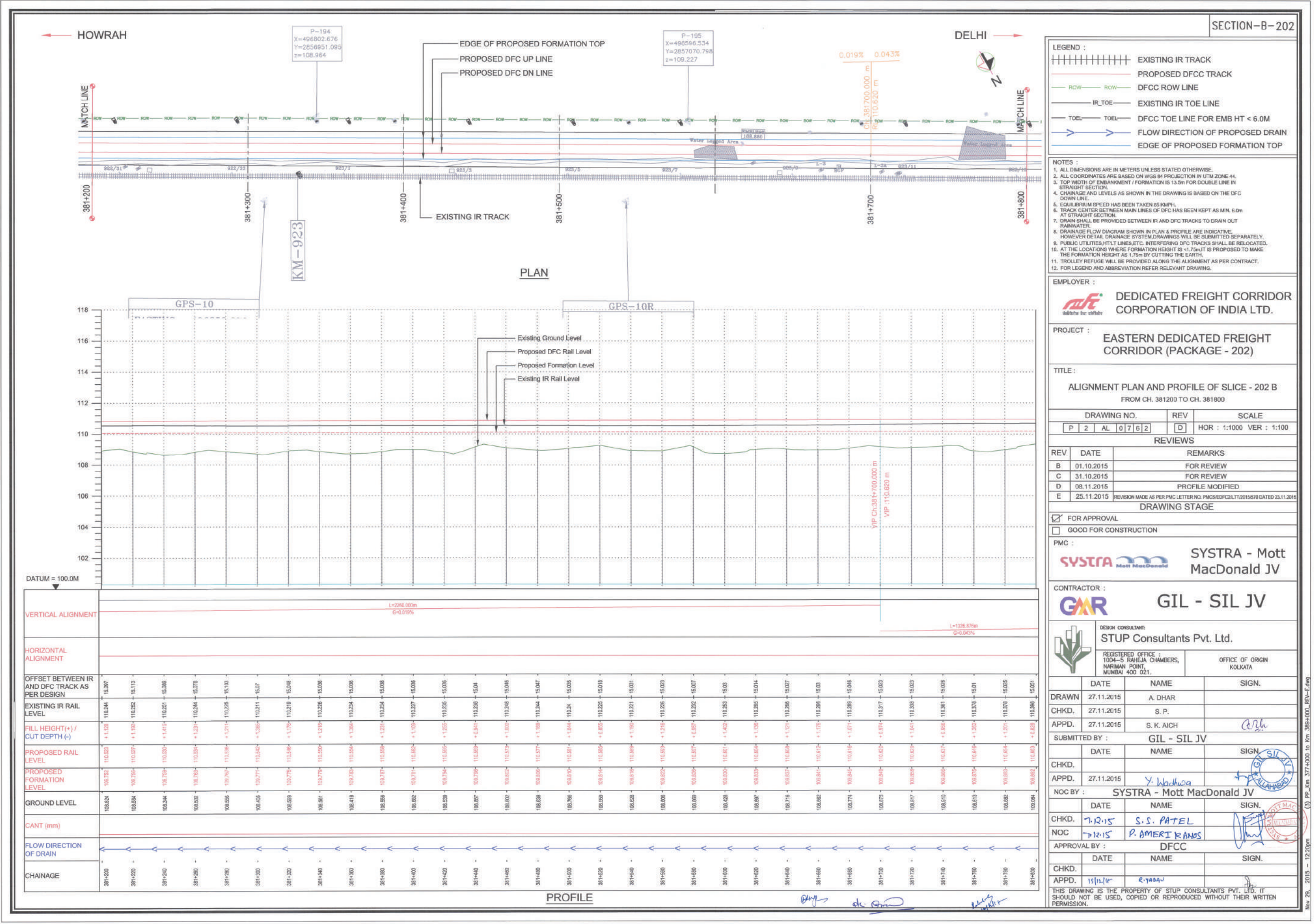
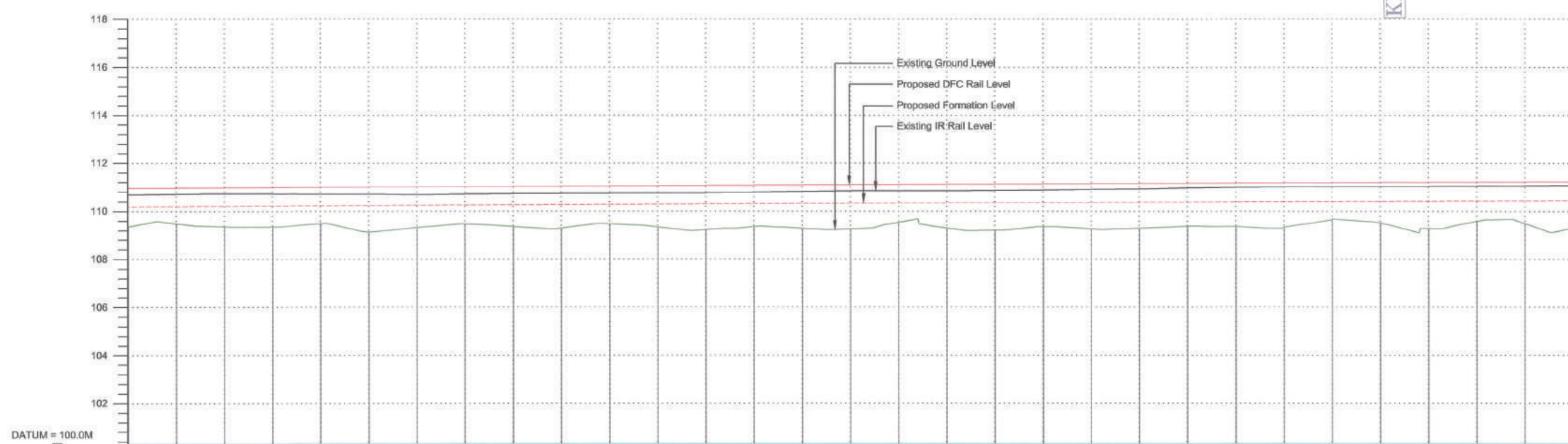
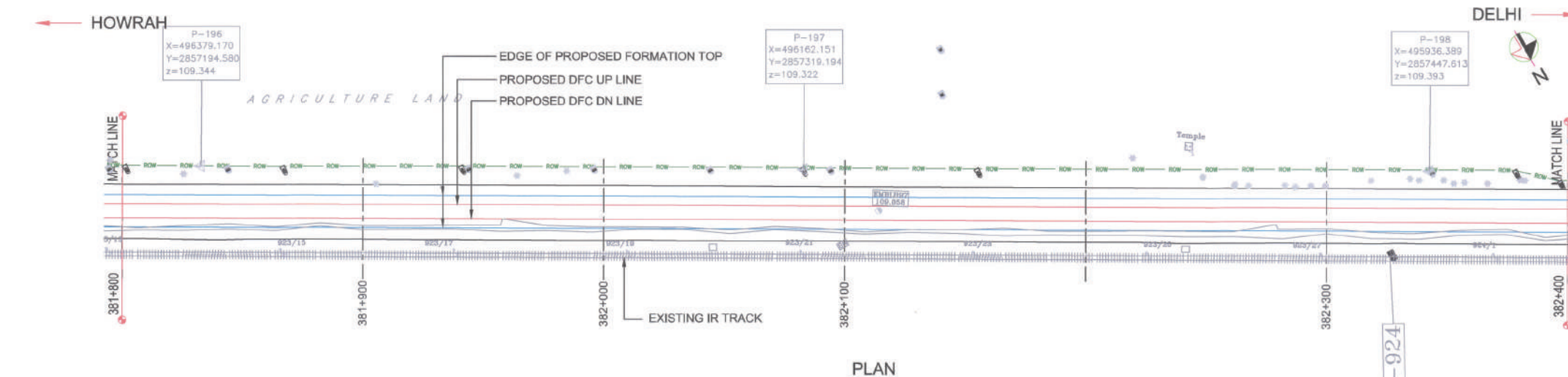




Nov 29, 2015 - 12:20pm (3) PP_Km 3774000 to Km 3894000_REV-E.dwg

SECTION-B-202



VERTICAL ALIGNMENT	381+800	381+820	381+840	381+860	381+880	381+900	381+920	381+940	381+960	381+980	382+000	382+020	382+040	382+060	382+080	382+100	382+120	382+140	382+160	382+180	382+200	382+220	382+240	382+260	382+280	382+300	382+320	382+340	382+360	382+380	382+400
EXISTING IR RAIL LEVEL	110.300	110.320	110.340	110.360	110.380	110.400	110.420	110.440	110.460	110.480	110.500	110.520	110.540	110.560	110.580	110.600	110.620	110.640	110.660	110.680	110.700	110.720	110.740	110.760	110.780	110.800	110.820	110.840	110.860	110.880	110.900
PROPOSED RAIL LEVEL	110.300	110.320	110.340	110.360	110.380	110.400	110.420	110.440	110.460	110.480	110.500	110.520	110.540	110.560	110.580	110.600	110.620	110.640	110.660	110.680	110.700	110.720	110.740	110.760	110.780	110.800	110.820	110.840	110.860	110.880	110.900
PROPOSED FORMATION LEVEL	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904
GROUND LEVEL	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904	109.904
CANT (mm)																															
FLOW DIRECTION OF DRAIN																															
CHAINAGE	381+800	381+820	381+840	381+860	381+880	381+900	381+920	381+940	381+960	381+980	382+000	382+020	382+040	382+060	382+080	382+100	382+120	382+140	382+160	382+180	382+200	382+220	382+240	382+260	382+280	382+300	382+320	382+340	382+360	382+380	382+400

PROFILE

- LEGEND :
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - DFCC ROW LINE
 - IR TOE
 - TOEL
 - TOEL
 - DFCC TOE LINE FOR EMB HT < 6.0M
 - FLOW DIRECTION OF PROPOSED DRAIN
 - 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 AS 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 B
 FROM CH. 381800 TO CH. 382400

DRAWING NO. REV SCALE
 P 2 AL 0763 D HOR : 1:1000 VER : 1:100

REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	31.10.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCSDFC202/17/2015/570 DATED 23.11.2015

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

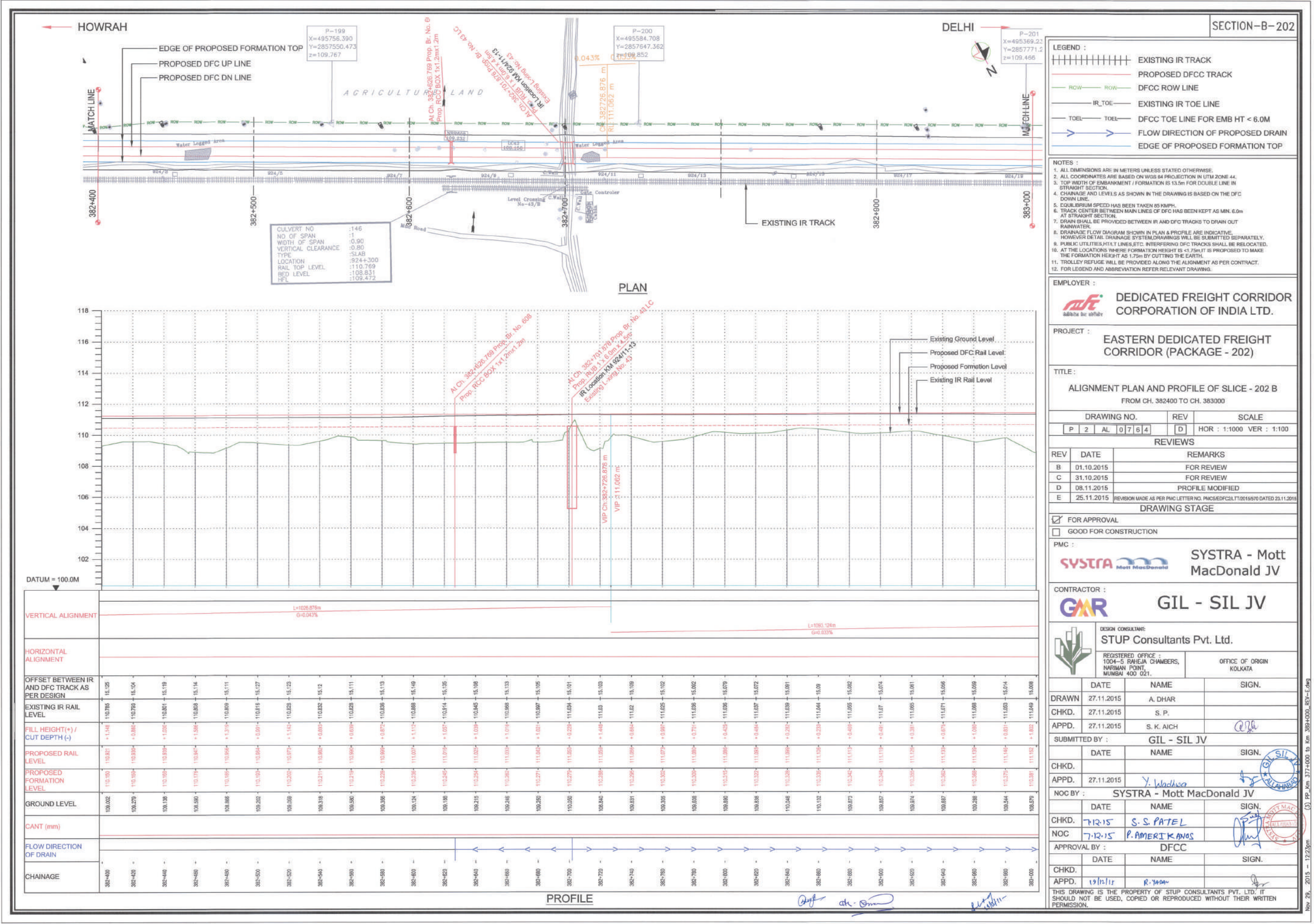
PMC :
 **SYSTRA - Mott MacDonald JV**

CONTRACTOR :
 **GIL - SIL JV**

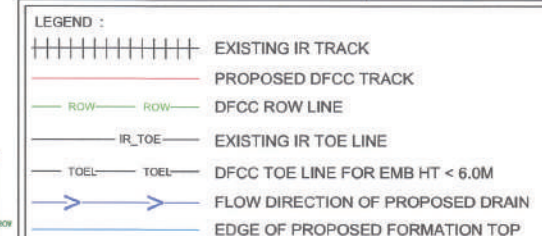
DESIGN CONSULTANT:
 **STUP Consultants Pvt. Ltd.**
 REGISTERED OFFICE :
 1004-5 RAHEJA CHAMBERS,
 NARIMAN POINT,
 MUMBAI 400 021.
 OFFICE OF ORIGIN
 KOLKATA

DATE	NAME	SIGN.
DRAWN	27.11.2015	A. DHAR
CHKD.	27.11.2015	S. P.
APPD.	27.11.2015	S. K. AICH
SUBMITTED BY :	GIL - SIL JV	
DATE	NAME	SIGN.
CHKD.		
APPD.	27.11.2015	Y. Kishore
NOC BY :	SYSTRA - Mott MacDonald JV	
DATE	NAME	SIGN.
CHKD.	7.12.15	S. S. PATEL
NOC	7.12.15	P. AMERIKANS
APPROVAL BY :	DFCC	
DATE	NAME	SIGN.
CHKD.		
APPD.	19.12.15	R. YADAV

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



Nov 29, 2015 - 12:23pm (3) PP_Km_3774000 to Km_3894000_REV-E.dwg



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 15.5m 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 160 KPH.
6. TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 6.0m AT STRAIGHT SECTION.
7. DRAIN SHALL BE PROVIDED BETWEEN RH AND DFC TRACKS TO DRAIN OUT RAINWATER.
8. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWING IS TO 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 BRIDGE 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 B
FROM CH. 383000 TO CH. 383600

DRAWING NO.		REV	SCALE
P	2 AL 0765	D	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	31.10.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCSIEDFC2A.TT/2015/570 DATED 23.11.2015

DRAWING STAGE	
☒	FOR APPROVAL

☒ FOR APPROVAL
☐ GOOD FOR CON☐ SUBS FOR CONSTRUCTION
B112

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	27.11.2015	A. DHAR	
CHKD.	27.11.2015	S. P.	
APPD.	27.11.2015	S. K. AICH	

SUBMITTED BY :	GIL - SIL JV
----------------	--------------

	DATE	NAME	SIGN.	
CHKD.				
APPD.	27.11.2015	Y. Wadhwa		
NOC BY : SYSTRA - Mott MacDonald JV				

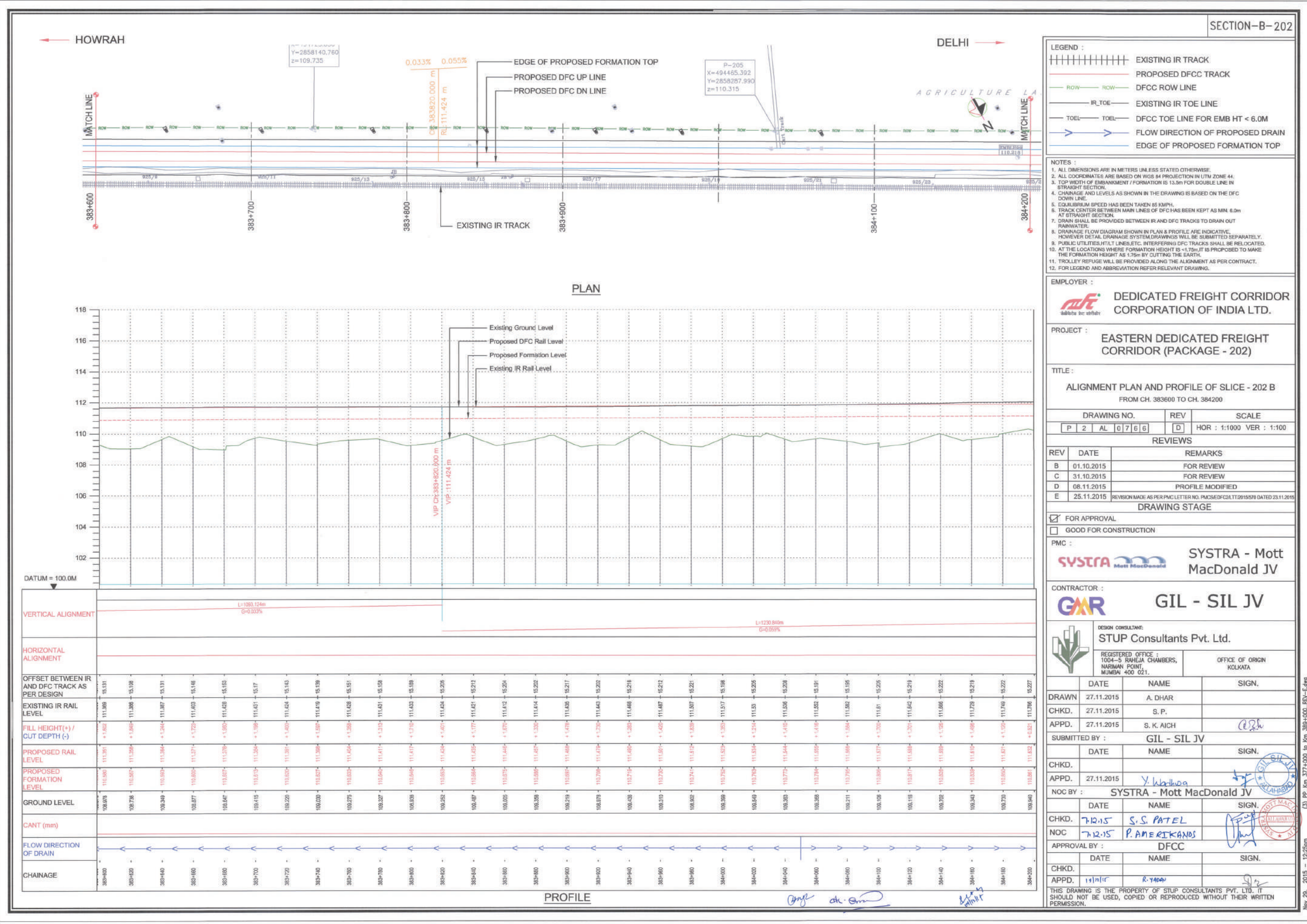
NOC BY :	SYSTRA - Mott MacDonald JV
----------	----------------------------

	DATE	NAME	SIGN.
CHKD.	7.12.15	S. S. PATEL	
NOC	7.12.15	P. AMERIKAVIS	
APPROVAL BY :		DECC	

APPROVAL BY :	DFCC		
---------------	------	---	---

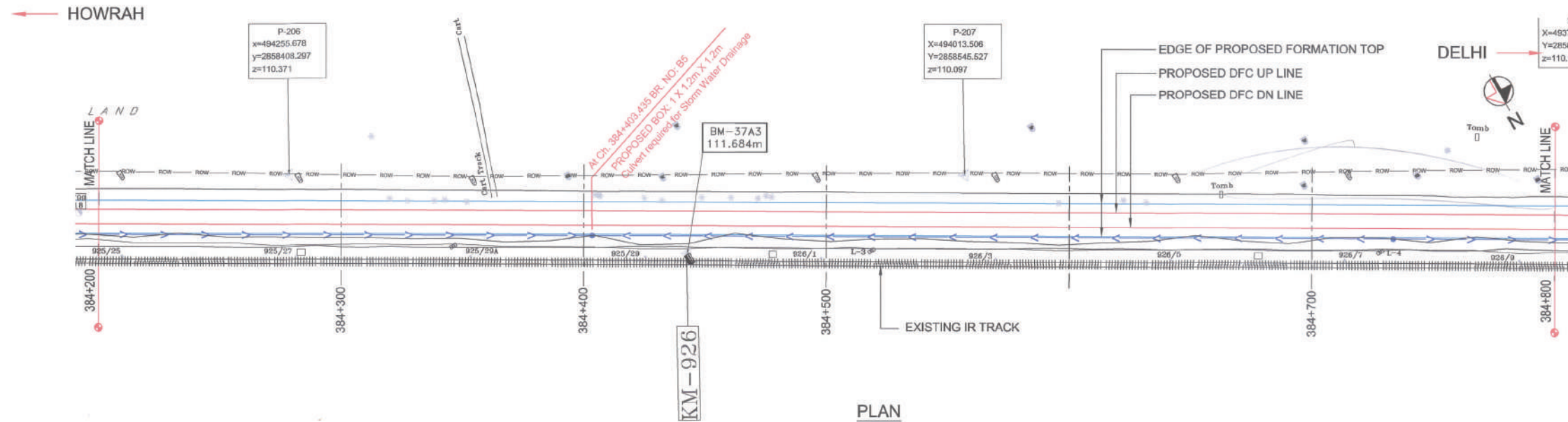
	DATE	NAME	SIGN.
CHKD.			
APPD.	19/12/14	R. YADAV	
THIS DRAWING IS THE PROPERTY OF STUP CONSULTANTS PVT. LTD. IT			

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



Nov 20, 2015 - 12:25pm

SECTION-B-202



- LEGEND :
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - DFCC ROW LINE
 - IR TOE
 - EXISTING IR TOE LINE
 - TOEL
 - DFCC TOE LINE FOR EMB HT < 6.0M
 - FLOW DIRECTION OF PROPOSED DRAIN
 - 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 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. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
 9. PUBLIC UTILITIES, HALT 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 B
FROM CH. 384+200 TO CH. 384+400

DRAWING NO.	REV	SCALE
P 2 AL 0767	F	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	02.11.2015	FOR REVIEW
D	05.11.2015	PROFILE MODIFIED
E	26.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/DFCC/2015/570 DATED 23.11.2015.
F	14.12.2015	REVISION MADE AS PER DFCC LETTER NO. ALD/WJEN/PMCPRO-2015/56 DATED 10.12.2015

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

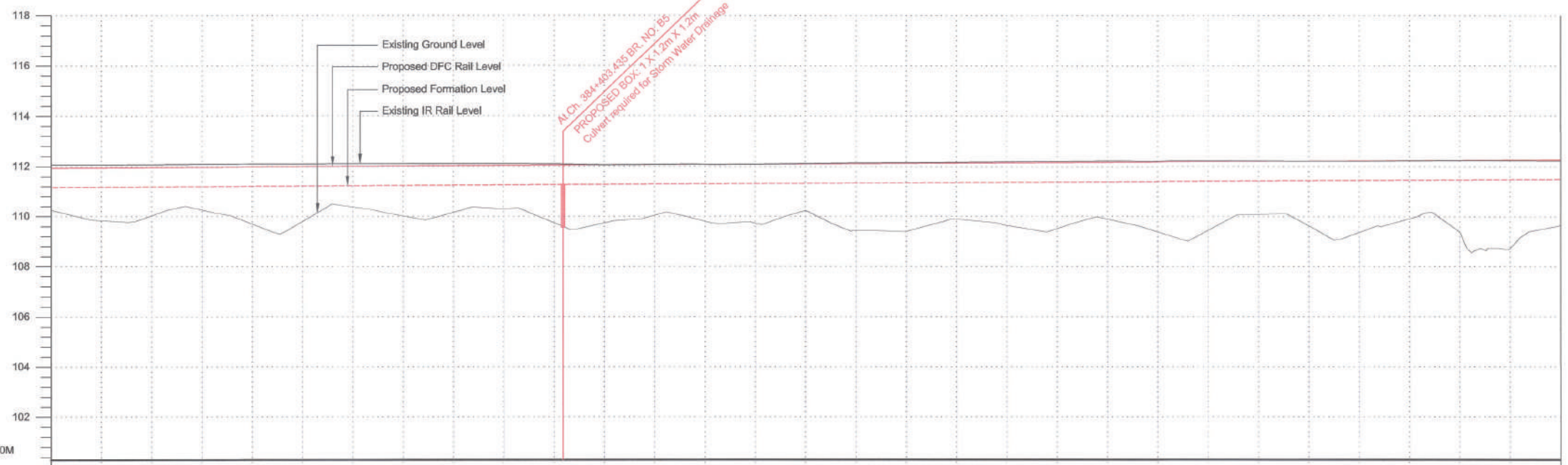
	DATE	NAME	SIGN.
DRAWN	28.08.2015	A. DHAR	
CHKD.	28.08.2015	S.P.	
APPD.	28.08.2015	S.K. AICH	

SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
CHKD.		
APPD.	14.12.2015	Y. WADHWA

NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
CHKD.	14.12.2015	Kamal Sharma
NOC	14.12.2015	P. AMERIKANOS

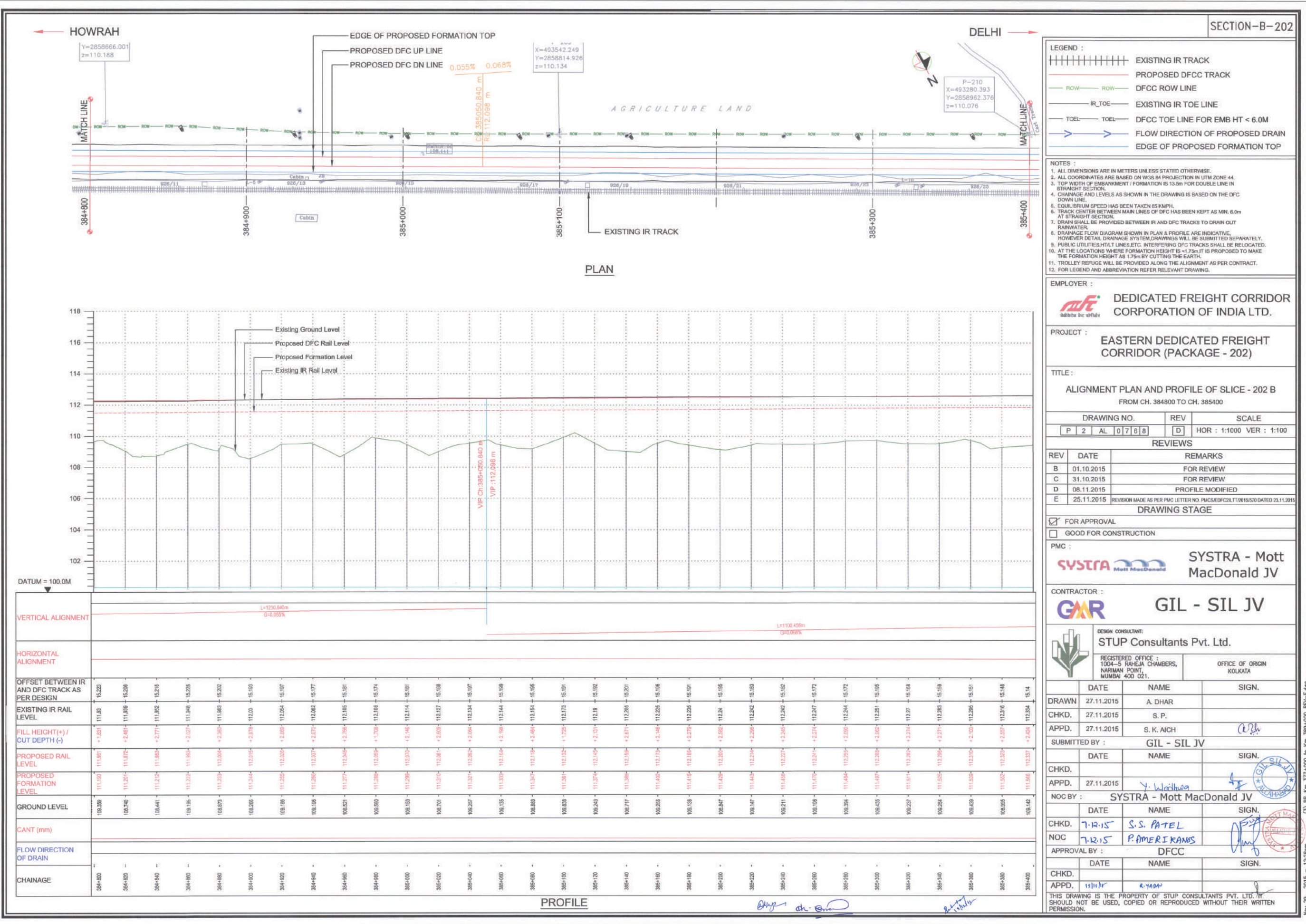
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD.	15/12/15	R. YADAV

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

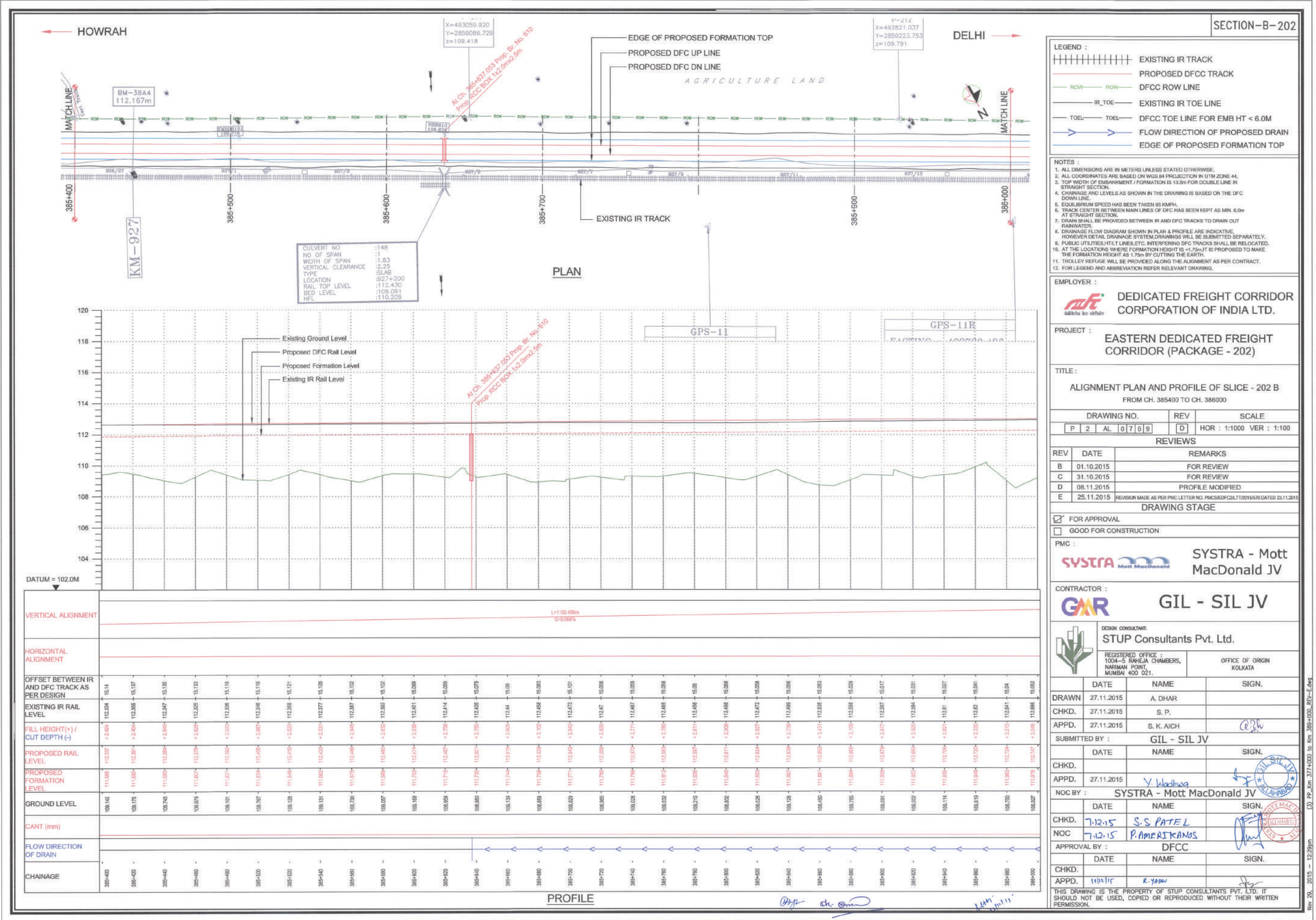


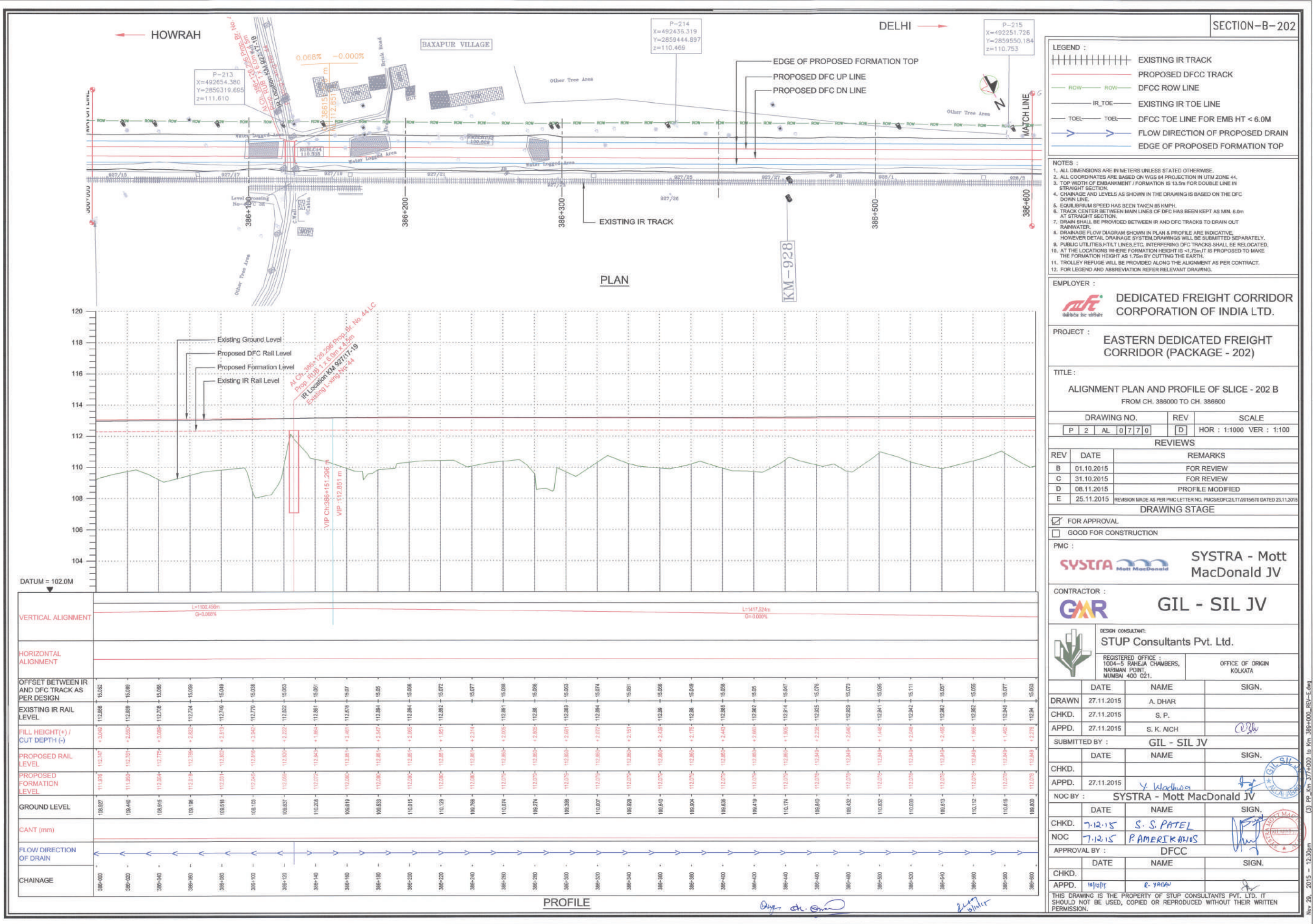
VERTICAL ALIGNMENT		L=1230.840m G=0.055%	
HORIZONTAL ALIGNMENT		L 7669.31m	
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	15.227		
EXISTING IR RAIL LEVEL	111.786		
FILL HEIGHT(+)/ CUT DEPTH (-)	+0.321		
PROPOSED RAIL LEVEL	111.632		
PROPOSED FORMATION LEVEL	110.861		
GROUND LEVEL	108.940		
CANT (mm)			
FLOW DIRECTION OF DRAIN			
CHAINAGE	384+200		

PROFILE



Nov 29, 2015 - 12:28pm





- LEGEND :**
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - DFCC ROW LINE
 - IR TOE
 - EXISTING IR TOE LINE
 - TOEL
 - DFCC TOE LINE FOR EMB HT < 6.0M
 - FLOW DIRECTION OF PROPOSED DRAIN
 - 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 AS 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 B
FROM CH. 386000 TO CH. 386800

DRAWING NO.	REV	SCALE
P 2 AL 0770	D	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	31.10.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/DFCC/2015/070 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	27.11.2015	A. DHAR	
CHKD.	27.11.2015	S. P.	
APPD.	27.11.2015	S. K. AICH	

SUBMITTED BY : **GIL - SIL JV**

	DATE	NAME	SIGN.
CHKD.			
APPD.	27.11.2015	S. K. AICH	

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

	DATE	NAME	SIGN.
CHKD.	7.12.15	S. S. PATEL	
NOC	7.12.15	P. AMERIKANOS	

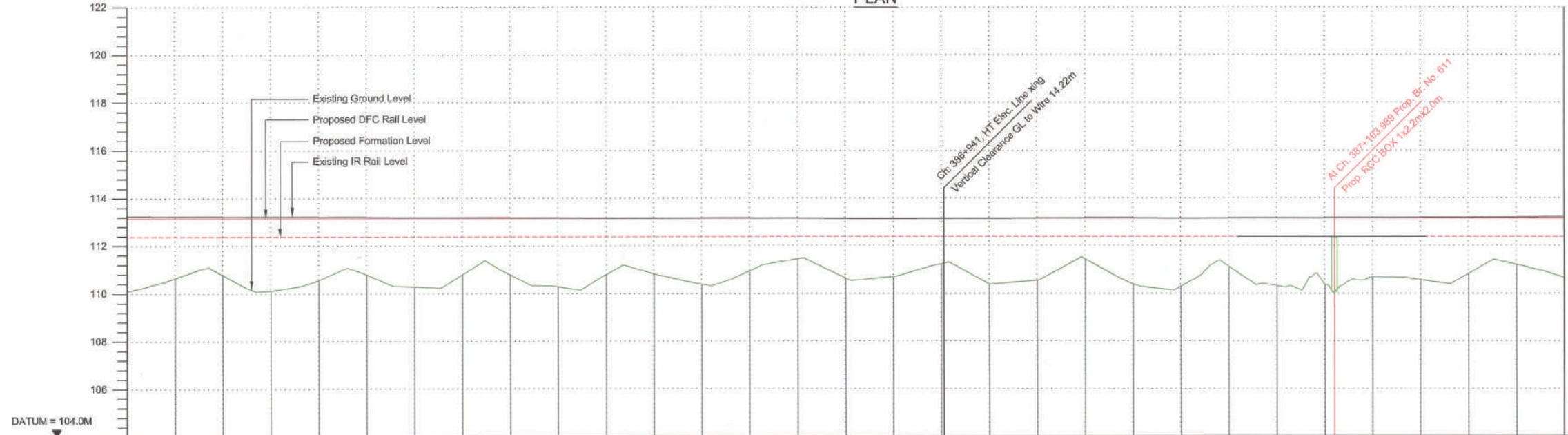
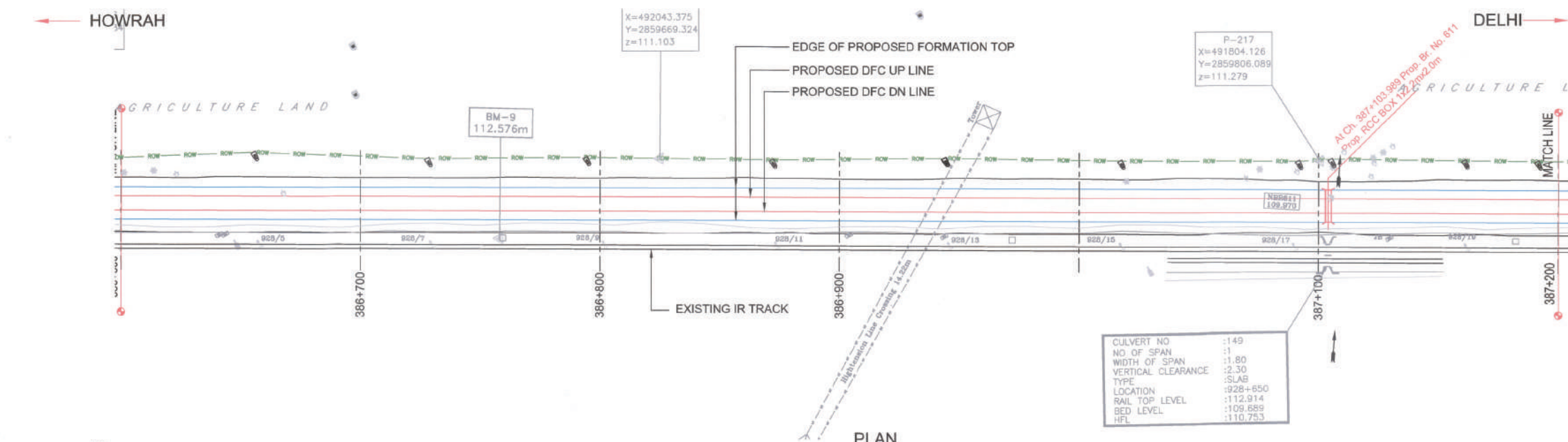
APPROVAL BY : **DFCC**

	DATE	NAME	SIGN.
CHKD.			
APPD.	10/12/15	E. YADAV	

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

Nov 29, 2015 - 12:30pm (3) PP_Km 37+400 to Km 386+000_REV-E.dwg

SECTION-B-202



VERTICAL ALIGNMENT	L=1417.534m G=0.000%																			
HORIZONTAL ALIGNMENT																				
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063	15.063
EXISTING IR RAIL LEVEL	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94
FILL HEIGHT(+)/ CUT DEPTH (-)	+2.78	+1.75	+1.59	+2.25	+1.81	+1.58	+2.05	+1.57	+1.57	+2.06	+1.57	+1.58	+1.59	+1.59	+1.59	+1.59	+1.59	+1.59	+1.59	+1.59
PROPOSED RAIL LEVEL	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94	112.94
PROPOSED FORMATION LEVEL	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07	112.07
GROUND LEVEL	109.80	110.83	110.49	109.81	110.26	110.49	109.92	110.49	110.49	109.91	110.50	110.52	110.54	110.56	110.58	110.59	110.60	110.61	110.62	110.63
CANT (mm)																				
FLOW DIRECTION OF DRAIN																				
CHAINAGE	386+700	386+720	386+740	386+760	386+780	386+800	386+820	386+840	386+860	386+880	386+900	386+920	386+940	386+960	386+980	387+000	387+020	387+040	387+060	387+080

- LEGEND :
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - DFCC ROW LINE
 - IR TOE
 - EXISTING IR TOE LINE
 - TOEL
 - DFCC TOE LINE FOR EMB HT < 6.0M
 - FLOW DIRECTION OF PROPOSED DRAIN
 - 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 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 < 7.5m, 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 B
 FROM CH. 386600 TO CH. 387200

DRAWING NO.	REV	SCALE
P 2 AL 0771	D	HOR : 1:1000 VER : 1:100

REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	31.10.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2LT/2015/570 DATED 23.11.2015

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

PMC :
SYSTRA - Mott MacDonald JV

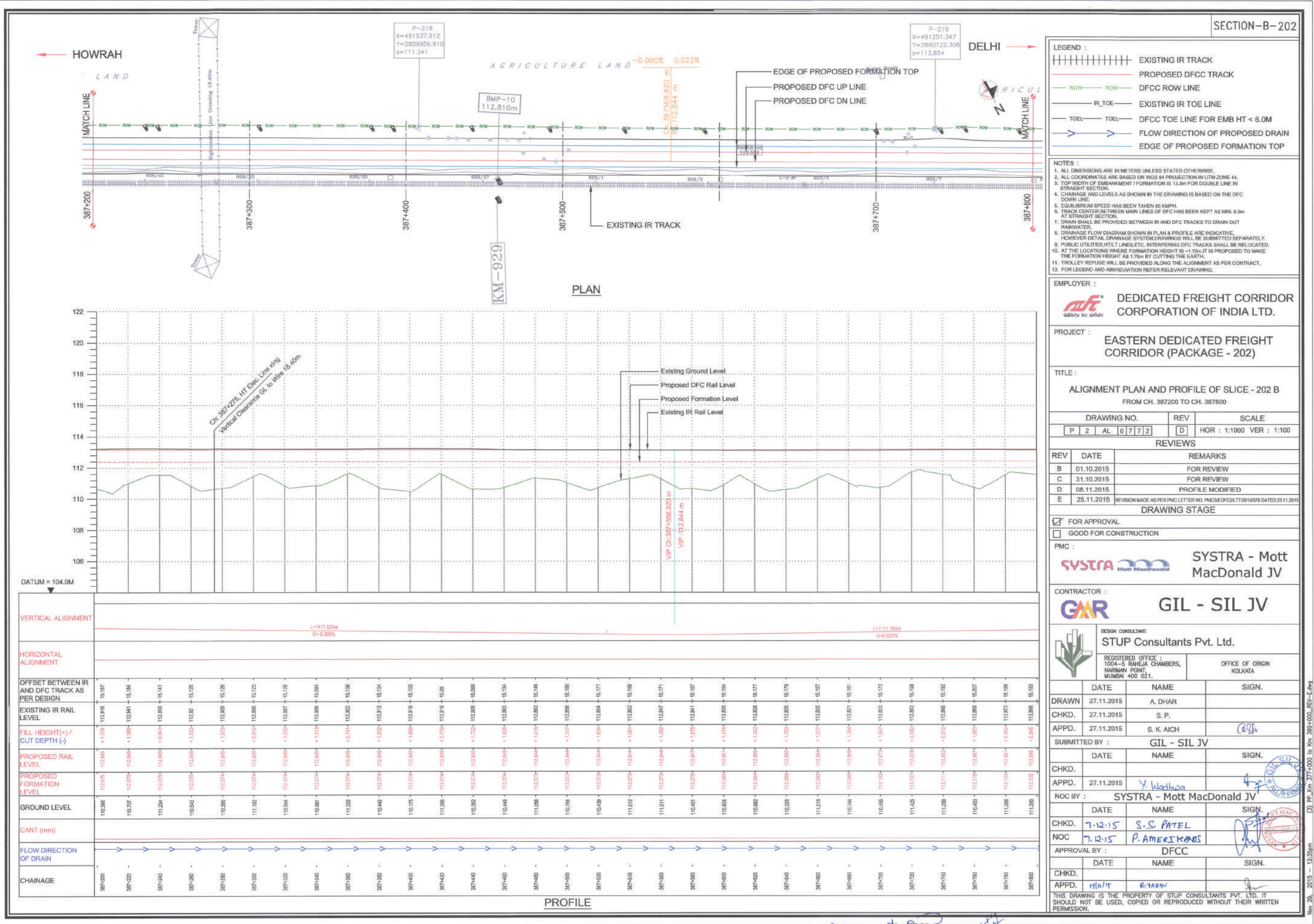
CONTRACTOR :
GIL - SIL JV

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	28/08/2015	A. DHAR	
CHKD.	28/08/2015	S. P.	
APPD.	28/08/2015	S. K. AICH	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.			
APPD.	27.11.2015	Y.W.	
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	7.12.15	S.S. PATEL	
NOC	7.12.15	P. AMERIKANOS	
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.			
APPD.	19/11/15	R. ADAN	

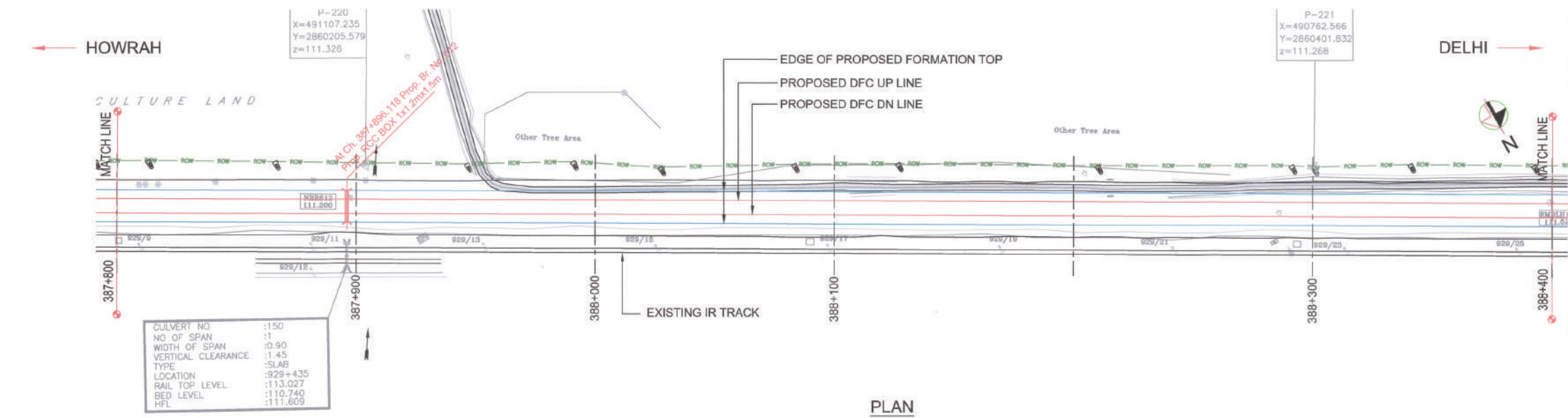
THIS DRAWING IS THE PROPERTY OF STUP CONSULTANTS PVT. LTD. IT SHOULD NOT BE USED, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

Dec 04, 2015 - 5:45pm (3) PP_Xm_377+000 to Km_389+000_REV-E.dwg

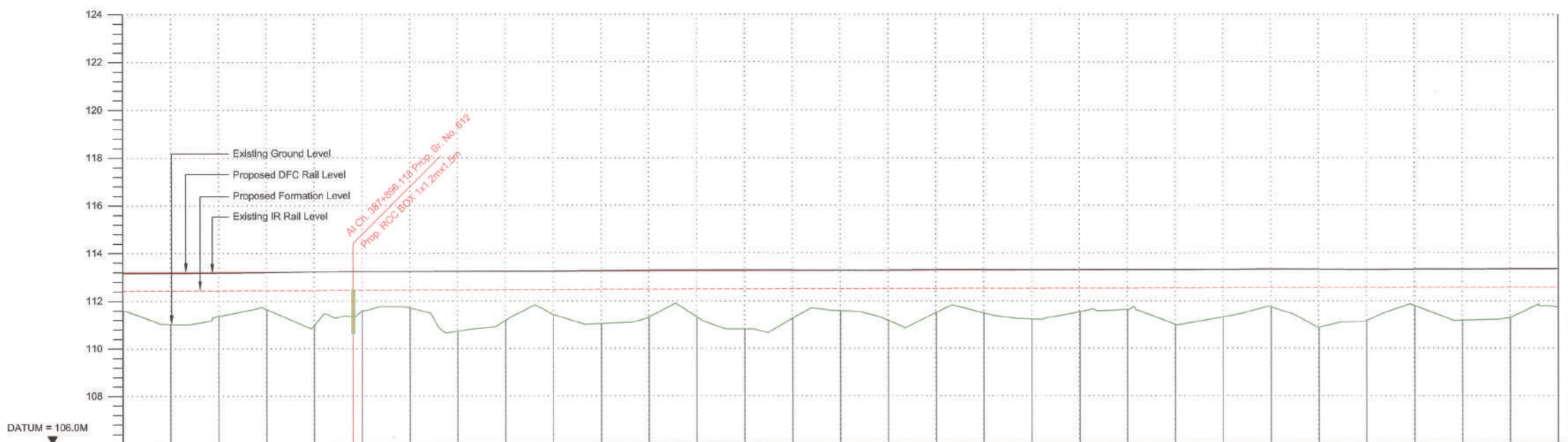


Nov 29, 2015 - 12:35pm (3) PP_Km 377+000 to Km 389+000_REV-E.dwg

SECTION-B-202



PLAN



VERTICAL ALIGNMENT		L=1171.180m G=0.022%	
HORIZONTAL ALIGNMENT			
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN			
EXISTING IR RAIL LEVEL	112.880	112.863	112.852
FILL HEIGHT(+) / CUT DEPTH (-)	+0.345	+1.014	+1.205
PROPOSED RAIL LEVEL	112.235	112.235	112.235
PROPOSED FORMATION LEVEL	112.235	112.235	112.235
GROUND LEVEL	111.280	110.715	110.054
CANT (mm)			
FLOW DIRECTION OF DRAIN			
CHAINAGE	387+000	387+400	388+400

PROFILE

- LEGEND :
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - DFCC ROW LINE
 - IR TOE
 - EXISTING IR TOE LINE
 - TOEL
 - DFCC TOE LINE FOR EMB HT < 6.0M
 - FLOW DIRECTION OF PROPOSED DRAIN
 - 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 AS 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 B
FROM CH. 387800 TO CH. 388400

DRAWING NO.	REV	SCALE
P 2 AL 0 7 7 3	D	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	31.10.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/202/11/2015/570 DATED 23.11.2015

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

PMC :
 **SYSTRA - Mott MacDonald JV**

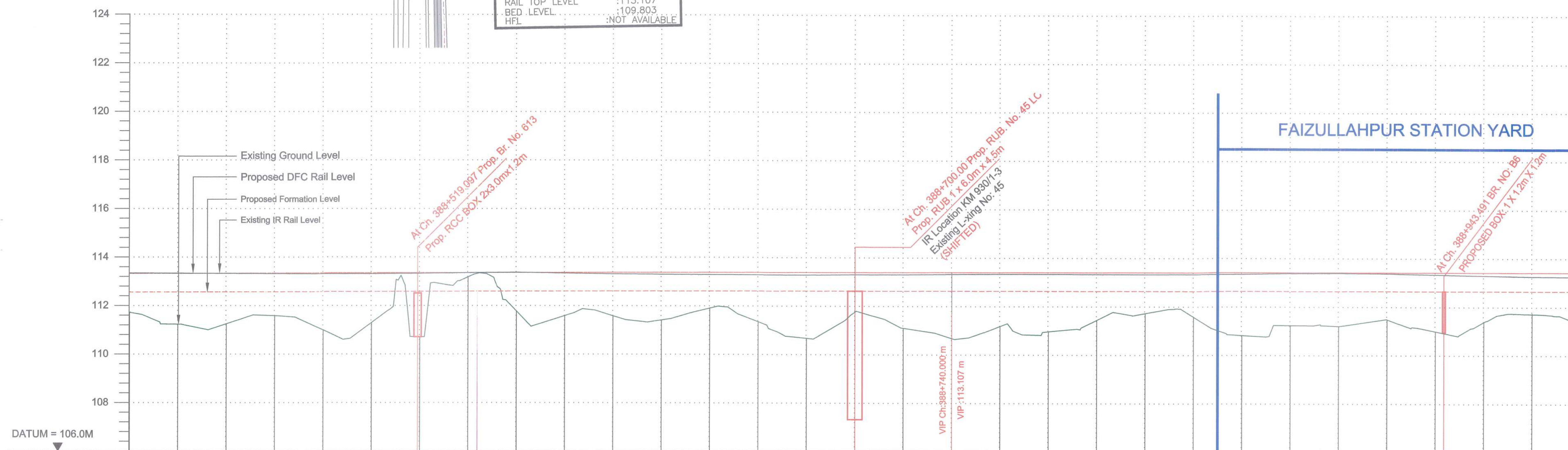
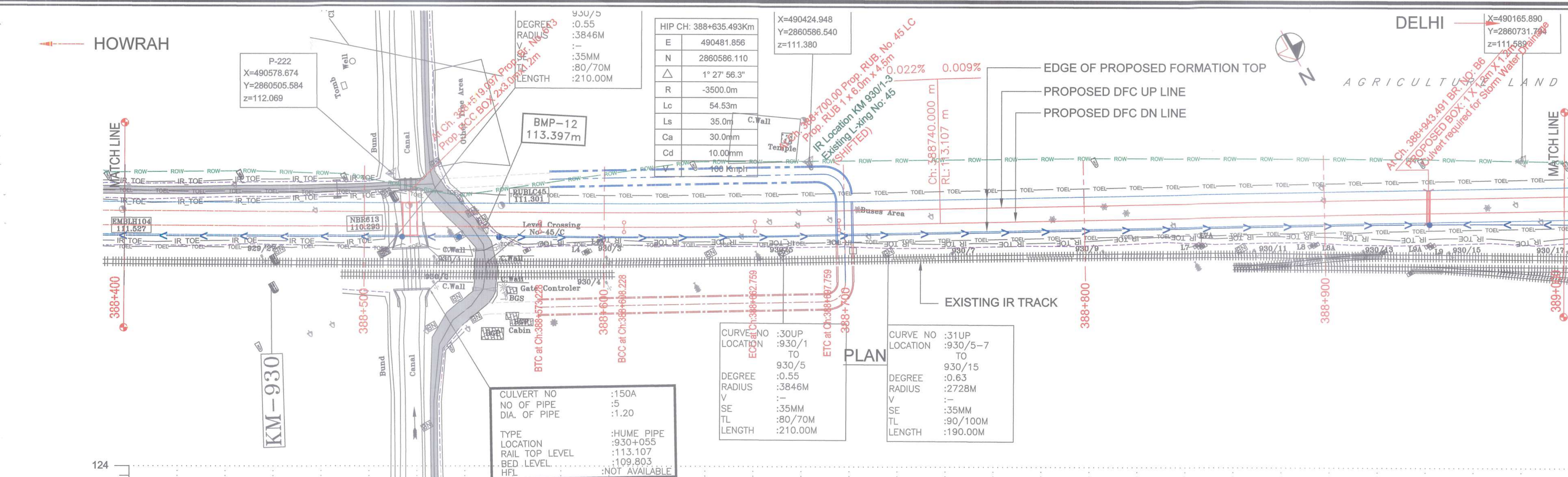
CONTRACTOR :
 **GIL - SIL JV**

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

	DATE	NAME	SIGN.
DRAWN	28/08/2015	A. DHAR	
CHKD.	28/08/2015	S. P.	
APPD.	28/08/2015	S. K. AICH	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.			
APPD.	27.11.2015	Y W	
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	7.12.15	S. S. PATEL	
NOC	7.12.15	P. AMER KANIS	
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.			
APPD.	11/11/15	R. YADAV	

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

Dec-04, 2015 - 5:47pm (3) PP_Km 377+000 to Km 389+000_REV-E.dwg



CHAINAGE	FLOW DIRECTION OF DRAIN	CANT (mm)	GROUND LEVEL	PROPOSED FORMATION LEVEL	PROPOSED RAIL LEVEL	FILL HEIGHT(+) / CUT DEPTH (-)	EXISTING IR RAIL LEVEL	OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	HORIZONTAL ALIGNMENT	VERTICAL ALIGNMENT
388+400	→		111.427	112.260	113.031	+ 0.833	113.045	15.235		L=1171.180m G=0.022%
388+420	→		110.937	112.284	113.035	+ 1.327	113.049	15.237		
388+440	→		110.953	112.289	113.040	+ 1.316	113.032	15.228		
388+460	→		111.289	112.273	113.044	+ 0.984	113.024	15.223		
388+480	→		110.700	112.278	113.049	+ 1.578	113.017	15.234		
388+500	→		111.007	112.292	113.053	+ 1.275	113.019	15.236		
388+520	→		110.418	112.287	113.058	+ 1.869	113.034	15.227		
388+540	←		112.885	112.291	113.062	-0.740	113.061	15.187		
388+560	→	Cant =0.000 Cant Def =0.000	111.475	112.296	113.067	+ 0.821	113.074	15.116		
388+580	→		111.287	112.300	113.071	+ 1.013	113.045	15.008	L=35.00m	
388+600	→		111.28	112.305	113.076	+ 1.025	113.016	14.84		
388+620	→	Cant =30.00 Cant Def =10.00	111.114	112.309	113.08	+ 1.195	113.002	14.854	R=3500.00m L=54.531m	
388+640	→		111.606	112.314	113.085	+ 0.708	112.995	14.525		
388+660	→		111.049	112.318	113.089	+ 1.269	112.99	14.481		
388+680	→	Cant =30.00 Cant Def =10.00	110.368	112.323	113.094	+ 1.955	112.986	14.443	L=35.00m	
388+700	→		111.46	112.327	113.098	+ 0.867	113.007	14.434		
388+720	→	Cant =0.000 Cant Def =0.000	110.794	112.332	113.103	+ 1.538	113.014	14.521		
388+740	→		110.374	112.336	113.107	+ 1.962	113.029	14.561	L = 413.863	
388+760	→		110.879	112.338	113.109	+ 1.459	113.04	14.635		
388+780	→		110.663	112.339	113.11	+ 1.676	113.044	14.73		
388+800	→		111.145	112.341	113.112	+ 1.196	113.036	14.861		
388+820	→		111.421	112.343	113.114	+ 0.922	113.036	15.084		
388+840	→		111.277	112.345	113.116	+ 1.068	113.041	15.391		
388+860	→		110.521	112.346	113.117	+ 1.825	113.055	15.716		
388+880	→		110.596	112.348	113.119	+ 1.412	113.09	16.716		
388+900	→		110.9	112.350	113.121	+ 1.45	-	16.83		
388+920	→		111.183	112.352	113.123	+ 1.169	113.084	17.367		
388+940	→		110.694	112.353	113.124	+ 1.659	113.041	17.81		
388+960	→		111.092	112.355	113.126	+ 1.263	113.002	18.441		
388+980	→		111.416	112.357	113.128	+ 0.941	112.972	18.982		

PROFILE

th. Om

LEGEND :

	EXISTING IR TRACK
	PROPOSED DFCC TRACK
	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

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/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. DRAINAGE DETAIL DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
9. PUMP & UTILITIES HT/LINE 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 B
FROM CH. 388+400 TO CH. 389+000

DRAWING NO.							REV	SCALE
P	2	AL	0	7	7	4	G	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
C	02.11.2015	FOR REVIEW
D	09.11.2015	PROFILE MODIFIED
E	26.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS&DFC2/LT/21/15/570 DATED 23.11.2015.
F	14.12.2015	REVISION MADE AS PER DFCC LETTER NO. ALDWDYENPMC/PRO-2/28156 DATED 10.12.2015
G	17.03.2017	HORIZONTAL ALIGNMENT REVISED FROM KM: 388+550 TO KM: 390+550 AS PER SITE REQUIREMENT

DRAWING STAGE	
☒ FOR APPROVAL	APPROVED
☐ GOOD FOR CONSTRUCTION	

PMC : SYSTRA - Mott MacDonald JV

CONTRACTOR :  GIL - SIL JV



DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

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

	DATE	NAME	SIGN.
DRAWN	04.04.2017	ABHIJIT DAS	<i>A. Das</i>
CHKD.	04.04.2017	SUDDHASIL PURKAIT	
APPD.	04.04.2017	ANIL KUMAR MITTAL	

SUBMITTED BY :	GIL - SIL JV
----------------	--------------

	DATE	NAME	SIGN.
CHKD.	04.04.17	REEPAK GUPTA	
APPD.	04.04.17	RAMPAL SAINI	

NOC BY : SYSTRA - Mott MacDonald JV

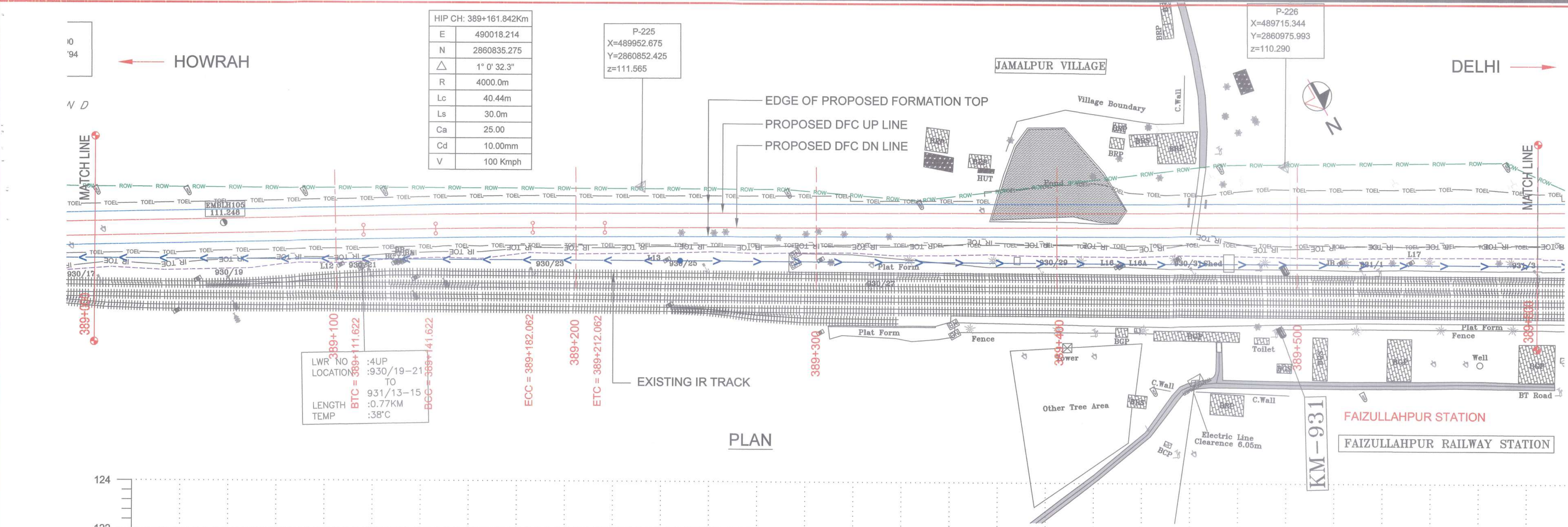
	DATE	NAME	SIGN.
CHKD.	12.09.17	SURESH PETER KAMAL SHARMA	
NOC	12.09.17	P. AMERIKANGS	

APPROVAL BY : _____

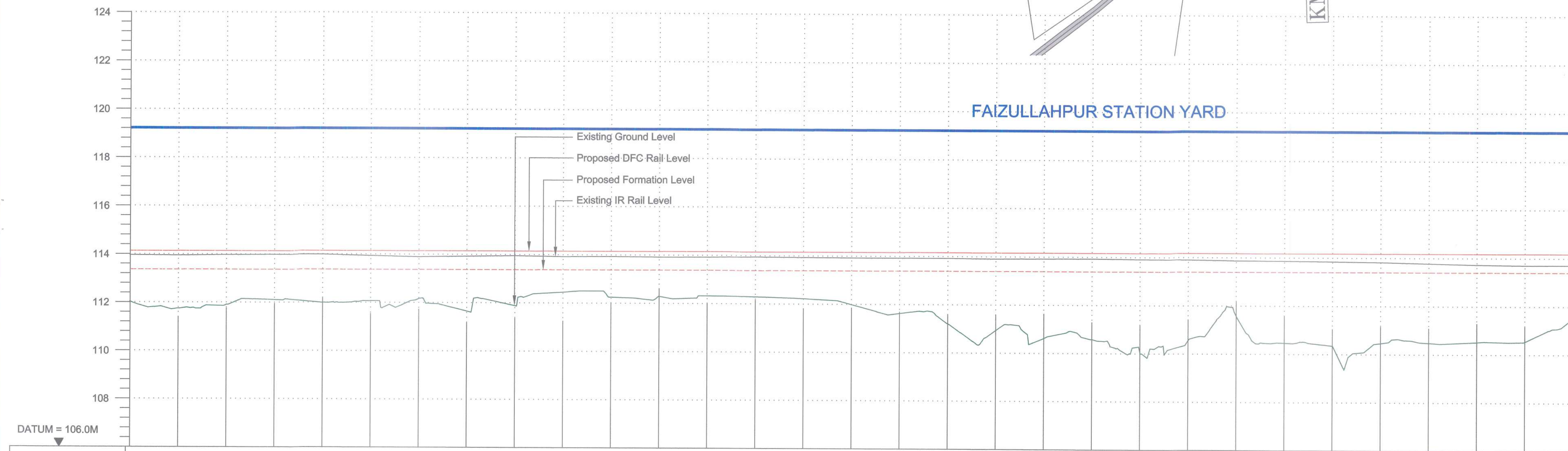
	DATE	NAME	SIGN.
CHKD.			
APPD.	17-04-17	PROJECT MANAGER Corridor	

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

SECTION-B-202



PLAN



DATUM = 106.0M

VERTICAL ALIGNMENT

HORIZONTAL ALIGNMENT

OFFSET BETWEEN IR AND DFCC TRACK AS PER DESIGN

EXISTING IR RAIL LEVEL

FILL HEIGHT(+) / CUT DEPTH (-)

PROPOSED RAIL LEVEL

PROPOSED FORMATION LEVEL

GROUND LEVEL

CANT (mm)

FLOW DIRECTION OF DRAIN

CHAINAGE

DATE

NAME

SIGN.

DATE

NAME

SIGN.

PROFILE

LEGEND :

	EXISTING IR TRACK
	PROPOSED DFCC TRACK
	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

- 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 B
FROM CH. 389+000 TO CH. 389+600

DRAWING NO.	REV	SCALE
P 2 AL 0775	G	HOR : 1:1000 VER : 1:100

REVIEWS

REV	DATE	REMARKS
C	01.11.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2/LT/2015/570 DATED 23.11.2015.
F	14.12.2015	REVISION MADE AS PER DFC LETTER NO. ALD/WH/PM/PC/2015/56 DATED 10.12.2015.
G	17.03.2017	HORIZONTAL ALIGNMENT REVISED FROM KM. 389+550 TO KM. 390+550 AS PER SITE REQUIREMENT

DRAWING STAGE

☒ FOR APPROVAL

☐ GOOD FOR CONSTRUCTION

APPROVED

PMC :



SYSTRA - Mott MacDonald JV

CONTRACTOR :



GIL - SIL JV

DESIGN CONSULTANT:



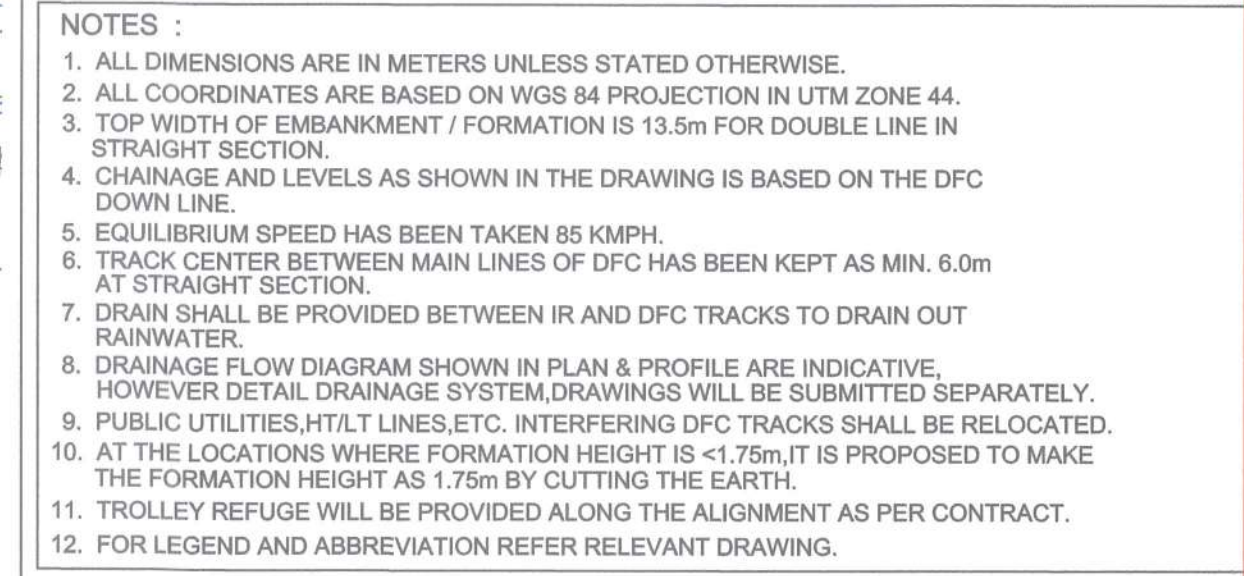
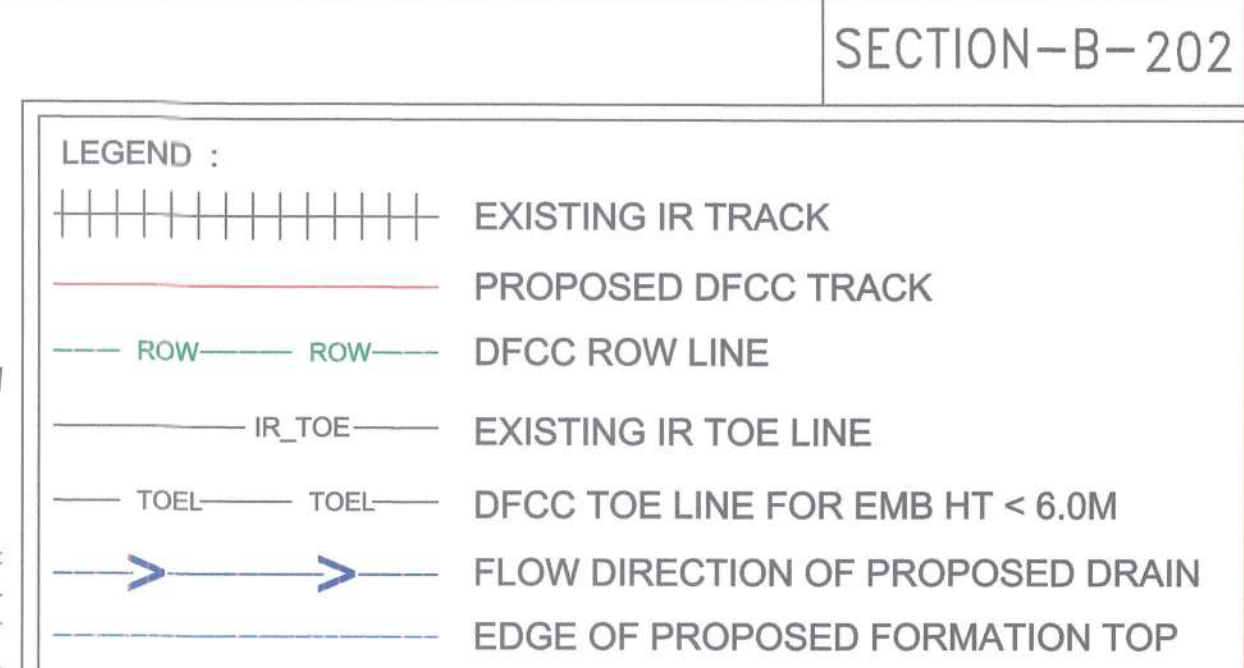
STUP Consultants Pvt. Ltd.

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

OFFICE OF ORIGIN
KOLKATA

DATE	NAME	SIGN.
04.04.2017	ABHIJIT DAS	
04.04.2017	SUDDHASIL PURKAIT	
04.04.2017	ANIL KUMAR MITTAL	
SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
04.04.17	REEPAK GUPTA	
04.04.17	RAMPAL SAINI	
NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
12.04.17	KAMAL SHARMA	
12.04.17	P. AMERKANTHOS	
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
17.04.17	S. K. MANI	

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



EMPLOYER :  DEDICATED FREIGHT CORRIDOR
CORPORATION OF INDIA LTD.

PROJECT : EASTERN DEDICATED FREIGHT
CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 B
FROM CH. 389600 TO CH. 390200

DRAWING NO.		REV	SCALE
P	2 AL 0776	G	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC2/LT/2015/570 DATED 23.11.2015.
F	24.01.2017	REVISION MADE IN PROFILE TO MATCH WITH GRADIENT OF PKG-202C
G	17.03.2017	HORIZONTAL ALIGNMENT REVISED FROM KM. 388+550 TO KM. 390+550 AS PER SITE REQUIREMENT

DRAWING STAGE	
☒ FOR APPROVAL	APPROVED
☐ GOOD FOR CONSTRUCTION	

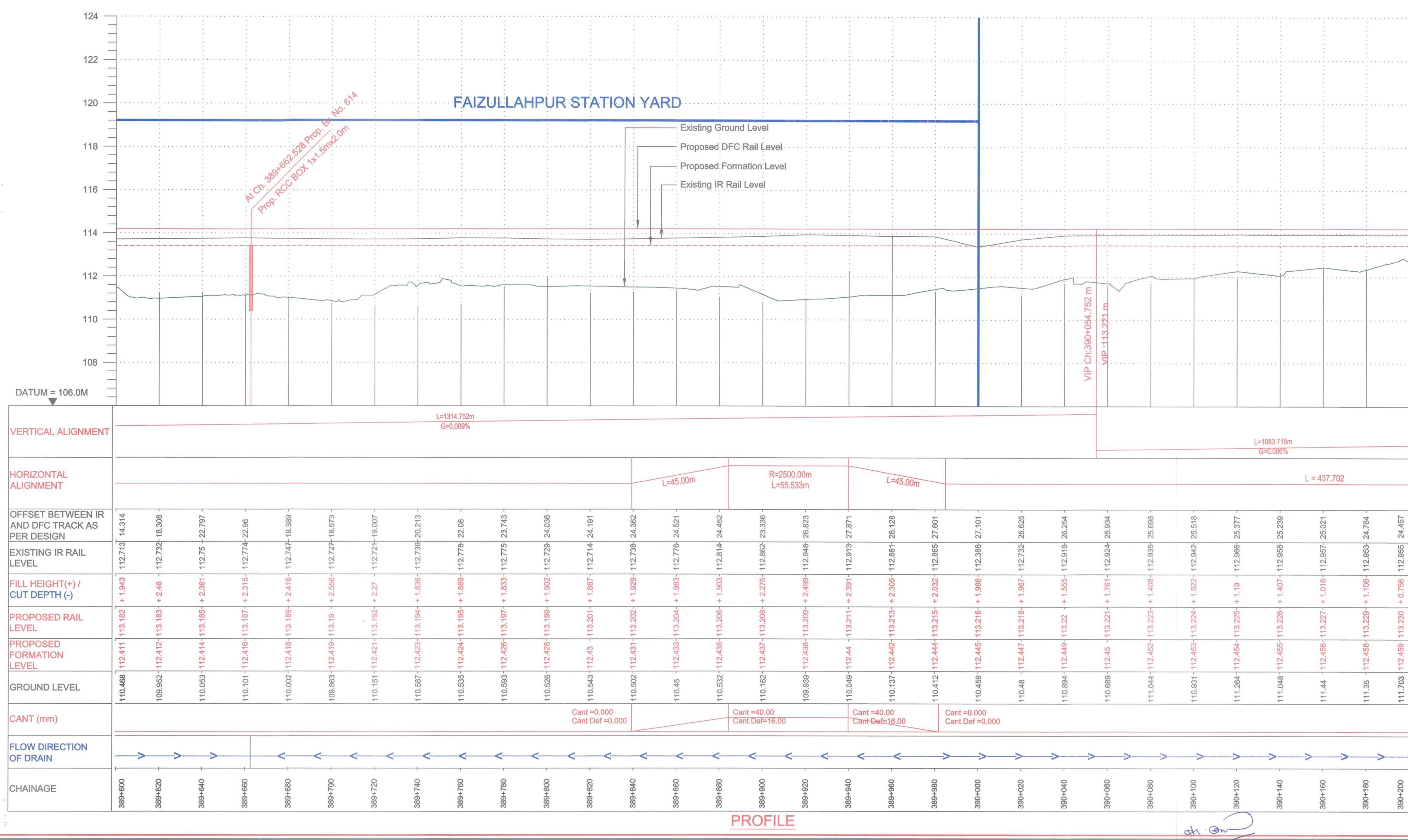
PMC :  SYSTRA - Mott MacDonald JV

CONTRACTOR :  GIL - SIL JV

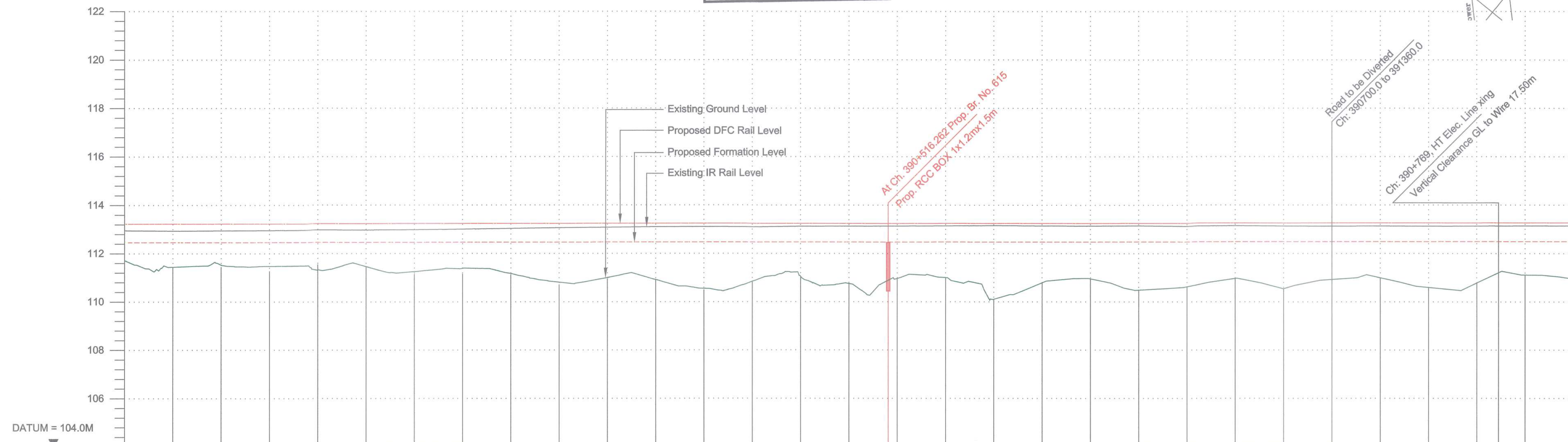
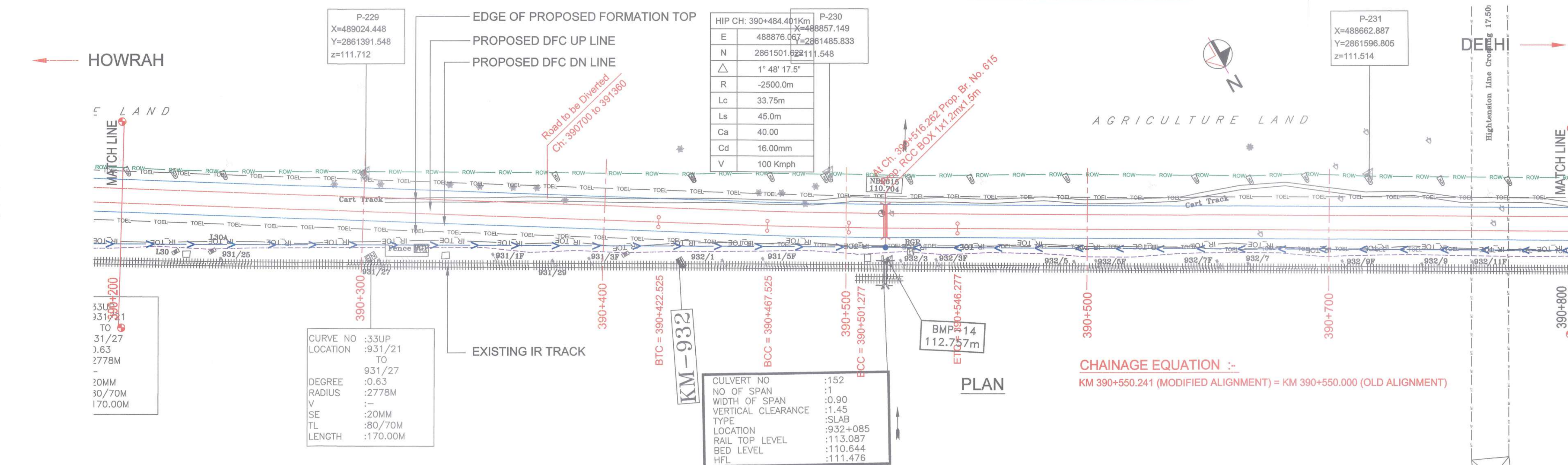
	DESIGN CONSULTANT: STUP Consultants Pvt. Ltd.	
	REGISTERED OFFICE : 1004-5 RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.	OFFICE OF ORIGIN KOLKATA

	DATE	NAME	SIGN.
DRAWN	04.04.2017	ABHIJIT DAS	<i>A.Das</i>
CHKD.	04.04.2017	SUDDHASIL PURKAIT	
APPD.	04.04.2017	ANIL KUMAR MITTAL	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.	04.04.17	REEPAK GUPTA	<i>Reepak</i>
APPD.	04.04.17	RAMPAL SAINI	<i>R</i>
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	12.04.17	<i>Sudesh Katar</i> SAMAL SHARMA	<i>S</i>
NOC	12.04.17	<i>P. Amerikano</i> KARAL SHARMA	<i>K</i>
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.		<i>[Signature]</i>	
APPD.	17.04.17	<i>S. K. [Signature]</i>	

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

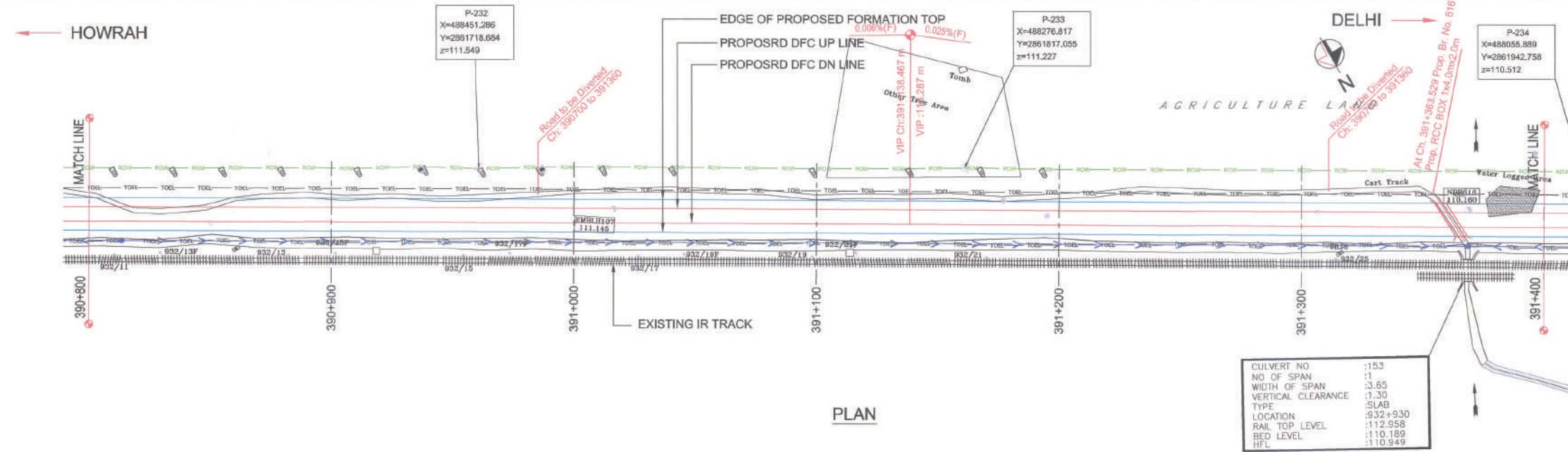


SECTION-B-202

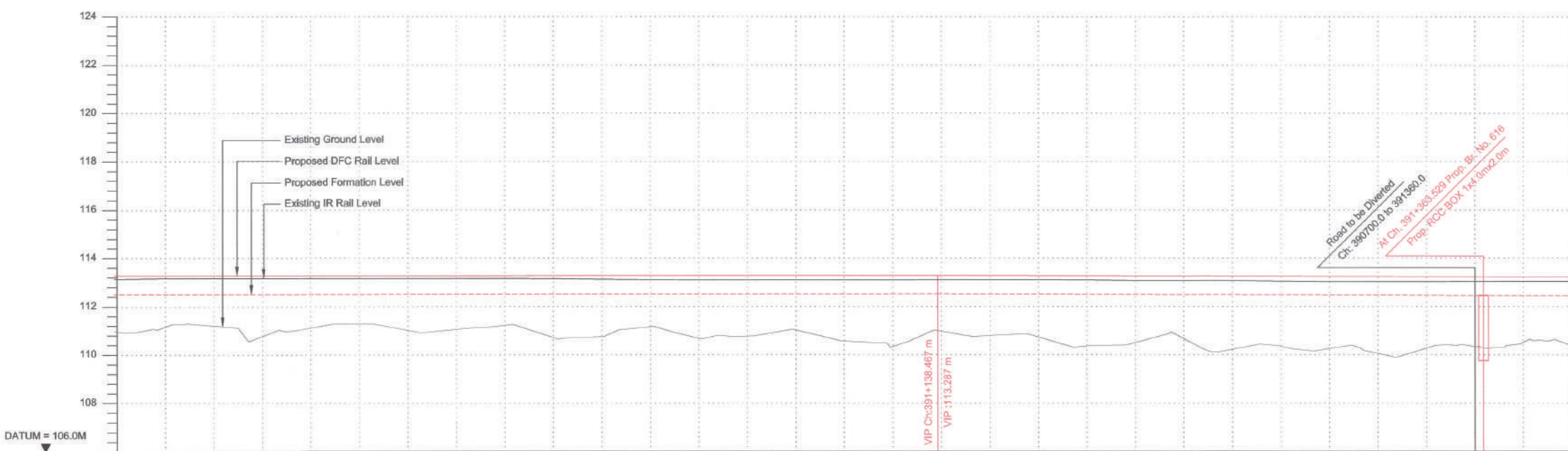


PROFILE

SECTION-B-202



PLAN



VERTICAL ALIGNMENT	L=1003.715m G=0.006%		L=1006.390m G=-0.025%	
	Station	Level	Station	Level
HORIZONTAL ALIGNMENT	L=3997.77m			
	Station	Level	Station	Level
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	390+800	15.883	391+400	15.823
	390+820	15.883	391+420	15.823
EXISTING IR RAIL LEVEL	390+800	113.14	391+400	113.068
	390+820	113.162	391+420	113.068
FILL HEIGHT(+) / CUT DEPTH (-)	390+800	+1.338	391+400	+1.338
	390+820	+1.340	391+420	+1.338
PROPOSED RAIL LEVEL	390+800	113.265	391+400	113.271
	390+820	113.267	391+420	113.271
PROPOSED FORMATION LEVEL	390+800	112.485	391+400	112.485
	390+820	112.485	391+420	112.485
GROUND LEVEL	390+800	110.565	391+400	110.575
	390+820	111.165	391+420	110.575
CANT (mm)	390+800	111.197	391+400	111.197
	390+820	110.784	391+420	111.197
FLOW DIRECTION OF DRAIN	390+800	111.176	391+400	111.176
	390+820	111.122	391+420	111.176
CHAINAGE	390+800	111.021	391+400	111.021
	390+820	111.054	391+420	111.021

PROFILE

- LEGEND :
- EXISTING IR TRACK
 - PROPOSED DFCC TRACK
 - 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

- 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.
 - CHANGE 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 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 REFUSE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
 - FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWINGS.

EMPLOYER :
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PROJECT :
EASTERN DEDICATED FREIGHT CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 B
FROM CH. 390800 TO CH. 391400

DRAWING NO.	REV	SCALE
P 2 AL 0778	F	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	01.11.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCSDFC/22/17/2015/5076 DATED 23.11.2015.
F	14.12.2015	REVISION MADE AS PER DFC LETTER NO. ALDWJEN/PMCP/PRD-202/106 DATED 10.12.2015.

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

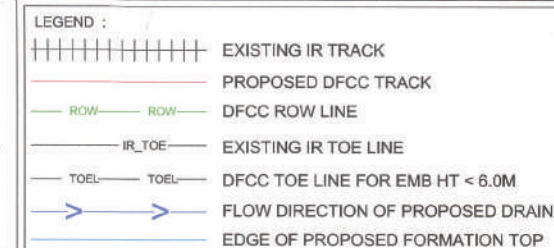
PMC :
SYSTRA - Mott MacDonald JV

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	27.11.2015	A. DHAR	
CHKD.	27.11.2015	S.P.	
APPD.	27.11.2015	S.K. AICH	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.			
APPD.	14.12.2015	Y. WADHWA	
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	14.12.2015	Kamal Sharma	
NOC	14.12.2015	P. AMERIKANOS	
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.			
APPD.	15/12/15	R. YADAV	

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



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 19.5m 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 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. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAILED DRAINAGE SYSTEM DRAWINGS WILL BE SUBMITTED SEPARATELY.
9. PUBLIC UTILITIES, HT & LT LINES, ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED AT THE LOCATIONS WHERE FORMATION HEIGHT IS $< 1.76m$. IT IS PROPOSED TO MAKE FORMATION HEIGHT AS 1.76m BY CUTTING THE EARTH.
10. TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
11. 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 B
FROM CH. 391400 TO CH. 392000

DRAWING NO.					REV	SCALE
P	2	AL	0779	E	HOR : 1:1000 VER : 1:100	

REVIEWS

REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	01.11.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	25.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC2/LTT/2015/670 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 CHAMB
NARIMAN POINT,
MUMBAI 400 021.

OFFICE OF ORIGIN
KOLKATA

	DATE	NAME	SIGN.
DRAWN	27.11.2015	A. DHAR	
CHKD.	27.11.2015	S. P.	
APPD.	27.11.2015	S. K. AICH	
SUBMITTED BY :		GIL - SIL JV	
	DATE	NAME	SIGN.
CHKD.			
APPD.	27.11.2015	YU	
NOC BY :		SYSTRA - Mott MacDonald JV	
	DATE	NAME	SIGN.
CHKD.	7-12-15	S.S. PATEL	
NOC	7-12-15	P. AMERIKANS	
APPROVAL BY :		DFCC	
	DATE	NAME	SIGN.
CHKD.			
APPD.	15/12/15	R. YADAV	

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