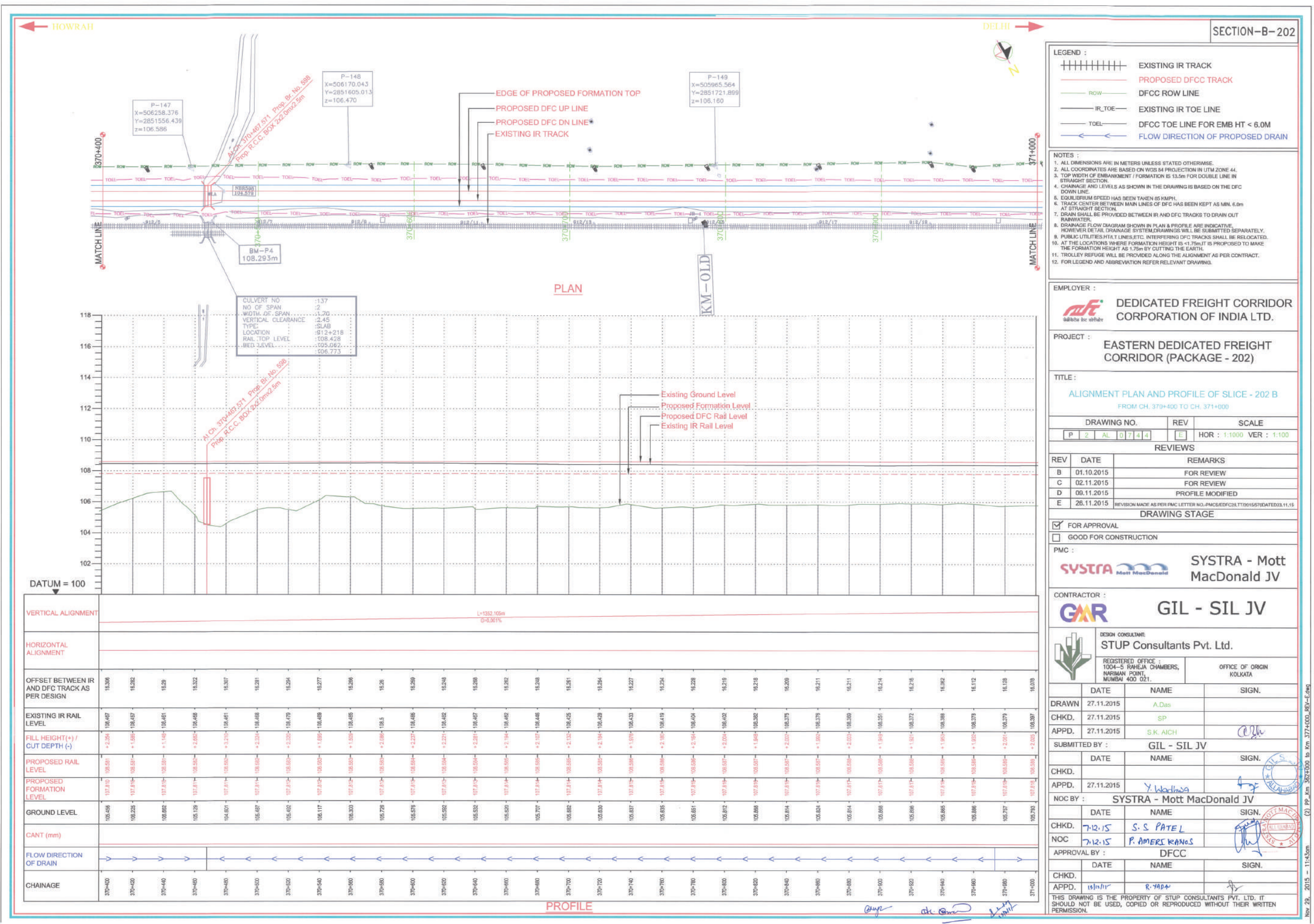




SECTION-B-202

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

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 DFCC DOWN LINE.
- EQUILIBRIUM SPEED HAS BEEN TAKEN 85 KM/H.
- TRACK CENTER BETWEEN MAIN LINES OF DFCC HAS BEEN KEPT AS MIN. 6.0m AT STRAIGHT SECTION.
- DRAIN SHALL BE PROVIDED BETWEEN IR AND DFCC 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 WITH T LINES ETC. INTERFERING DFCC 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. 370+400 TO CH. 371+000

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

REVIEWS

REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	02.11.2015	FOR REVIEW
D	09.11.2015	PROFILE MODIFIED
E	26.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2017/201557 DATED 23.11.15

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.Das
CHKD.	27.11.2015	SP
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

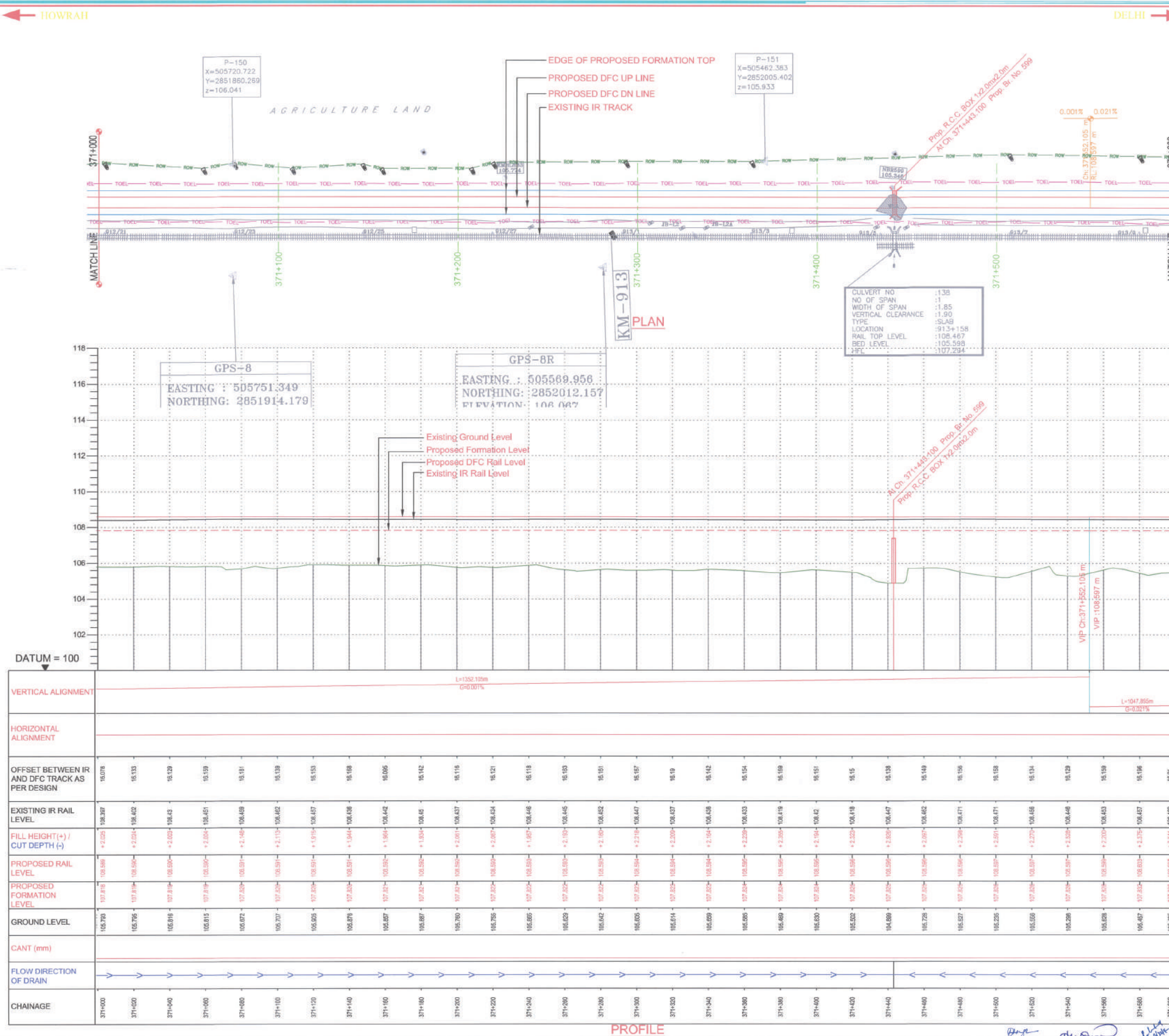
DATE	NAME	SIGN.
CHKD.	7.12.15	S. S. PATEL
NOC	7.12.15	P. AMERIKANOS

APPROVAL BY : DFCC

DATE	NAME	SIGN.
CHKD.		
APPD.	15/11/15	R. JADA

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Nov 29, 2015 - 11:43am (2) PP_Km 382400 to Km 377400_REV-E.dwg



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

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 DIRECTION SHOWN IN PLAN & PROFILE ARE INDICATIVE. CONTRACTOR TO DETAIL DRAINAGE DESIGN WHICH WILL SUBMIT SEPARATELY.
9. 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.
10. TRAILLY 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. 371+000 TO CH. 371+600

DRAWING NO.					REV	SCALE
P	2	AL	07	45	E	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	02.11.2015	FOR REVIEW
D	09.11.2015	PROFILE MODIFIED
E	26.11.2015	REVISION MADE AS PER P&C LETTER NO. P&C/S&ED/PC2,TT0015/57002422,13

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
	(Signature and Stamp of the Director General of Foreign Employment)	

	DATE	NAME	SIGN.
DRAWN	27.11.2015	A.Das	
CHKD.	27.11.2015	SP	
APPD.	27.11.2015	S.K. AICH	<i>[Signature]</i>

SUBMITTED BY : GIL - SIL JV

	DATE	NAME	SIGN.
CHKD.			
APPD.	27.11.2015	Y. Khatwaja	

NOC BY : SYSTRA - Mott MacDonald JV

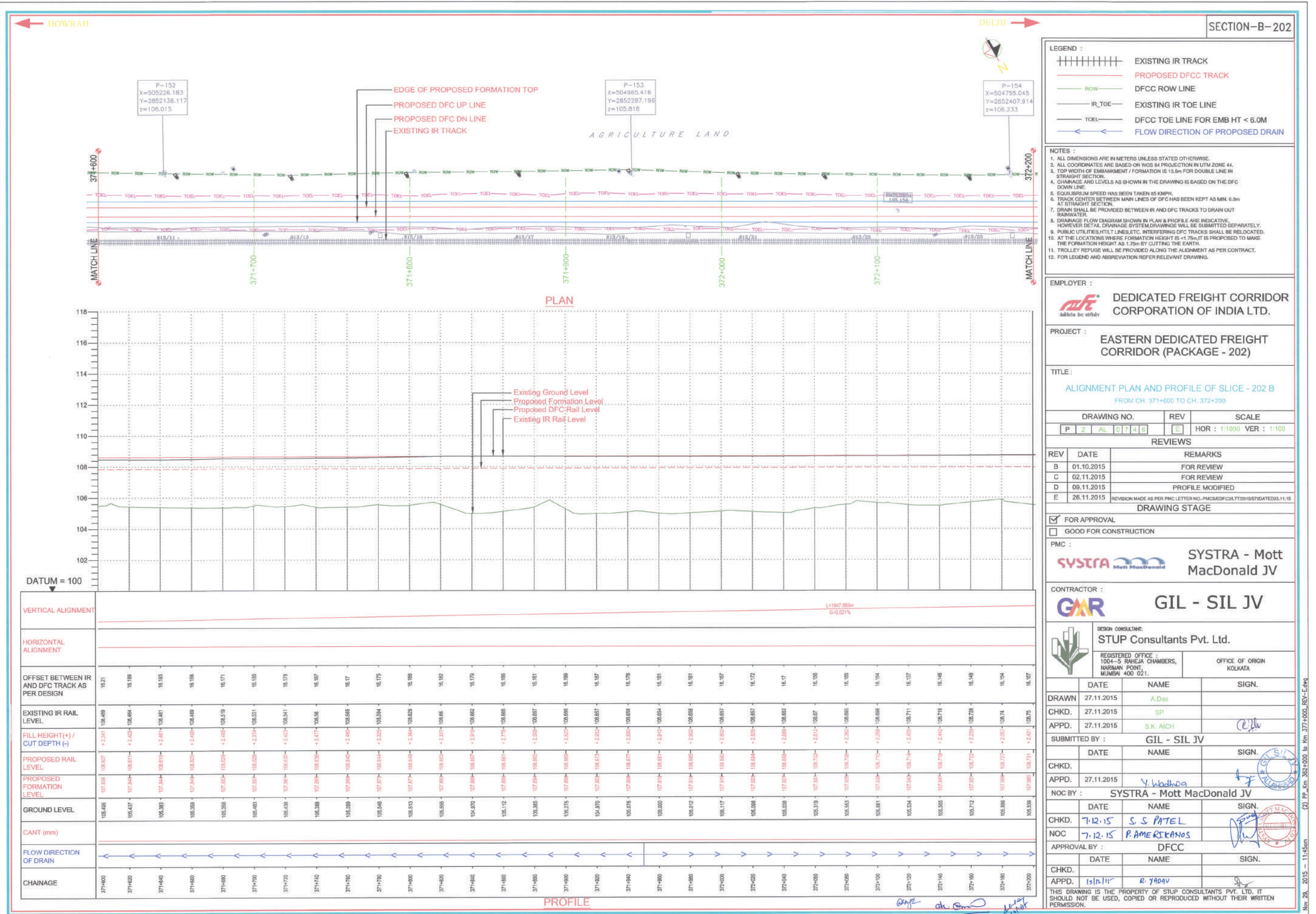
	DATE	NAME	SIGN.
CHKD.	7.12.15	S. S. PATEL	
NOC	7.12.15	P. AMERIKANOS	

APPROVAL BY : DFCC

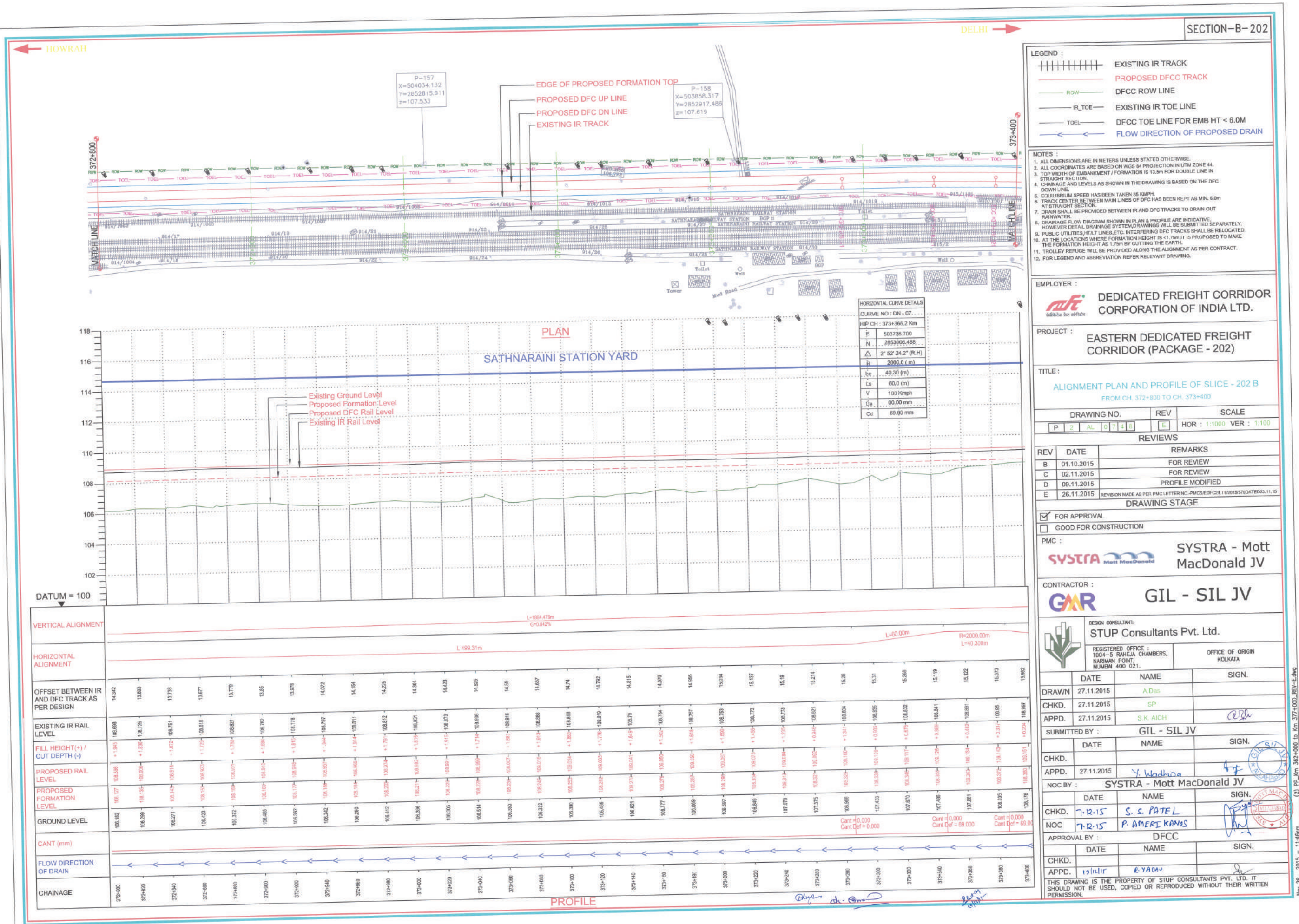
APPROVED	DPEC		
	DATE	NAME	SIGN.
CHKD.			
APPD.	19/12/17	R. YADAV	

THIS DRAWING IS THE PROPERTY OF SUDH CONSULTANTS PVT. LTD. IT

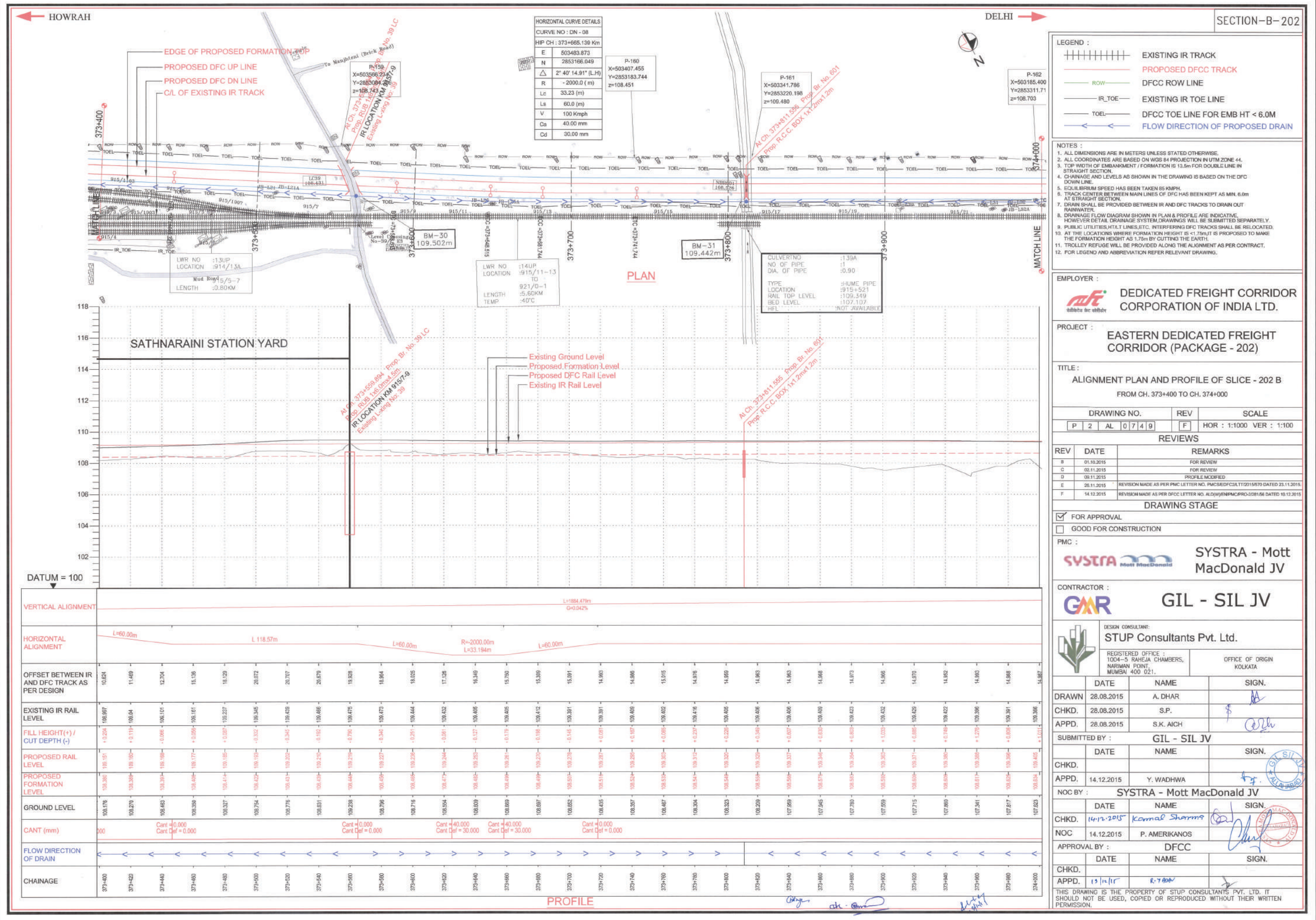
THIS DRAWING IS THE PROPERTY OF STUP CONSULTANTS PVT. LTD. IT SHOULD NOT BE USED, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

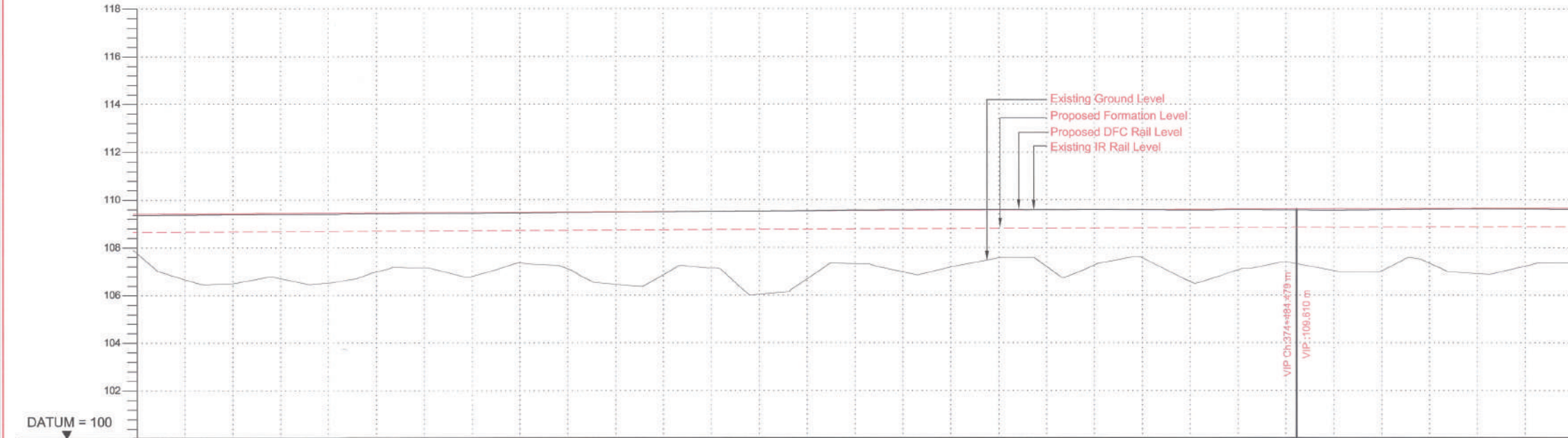
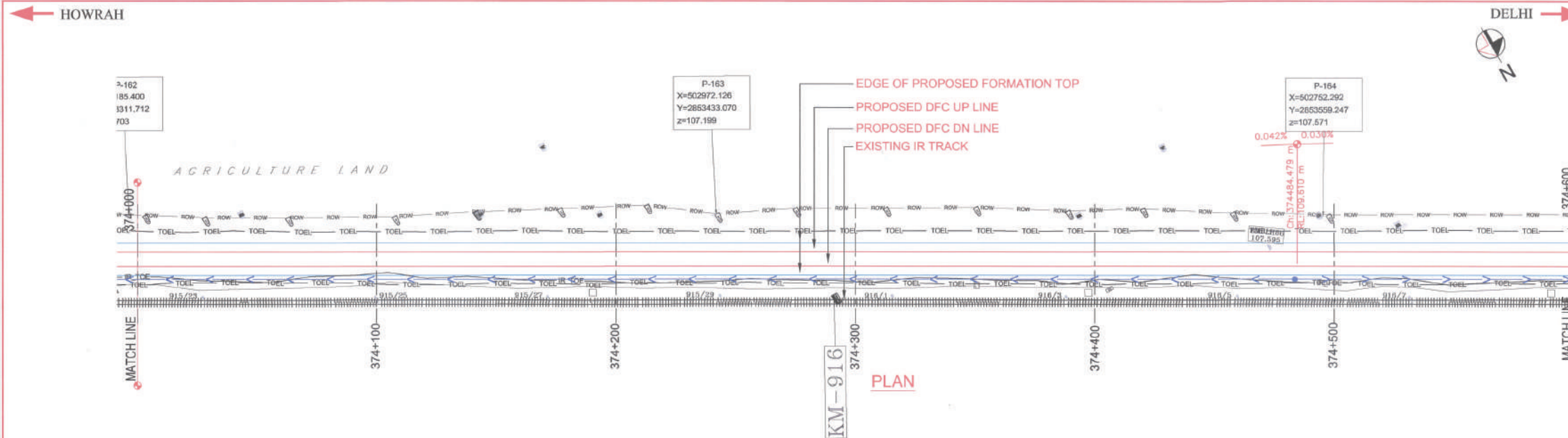






Nov 29, 2015 - 11:46am (2) PP_Km_362+000 to Km_377+000_REV-E.dwg





VERTICAL ALIGNMENT	L=1884.47m G=-0.042%																																				
HORIZONTAL ALIGNMENT																																					
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	14.867	14.865	14.864	15.002	14.862	14.867	14.860	14.860	14.862	15.039	15.037	14.860	14.858	14.863	14.874	14.863	14.864	14.897	14.898	15.021	14.896	15.024	14.896	14.898	15.002	14.896	15.018	15.009	15.001	15.016							
EXISTING IR RAIL LEVEL	106.366	106.371	106.368	106.365	106.402	106.416	106.427	106.423	106.438	106.465	106.466	106.481	106.512	106.514	106.530	106.56	106.566	106.586	106.582	106.579	106.59	106.58	106.57	106.577	106.57	106.561	106.562	106.594	106.601	106.606	106.602	106.602					
FILL HEIGHT(+) / CUT DEPTH (-)	+1.011	+1.679	+2.109	+1.939	+2.145	+1.684	+1.426	+1.525	+1.539	+1.605	+2.259	+1.962	+1.939	+2.652	+2.042	+1.441	+1.822	+1.591	+1.212	+1.553	+1.482	+1.188	+2.151	+1.677	+1.425	+1.832	+1.478	+1.503	+1.556	+1.802	+1.556	+1.802					
PROPOSED RAIL LEVEL	106.425	106.410	106.422	106.430	106.420	106.416	106.427	106.423	106.438	106.465	106.466	106.481	106.512	106.514	106.530	106.56	106.566	106.586	106.582	106.579	106.59	106.58	106.57	106.577	106.57	106.561	106.562	106.594	106.601	106.606	106.602	106.602					
PROPOSED FORMATION LEVEL	108.334	108.542	108.651	108.664	108.680	108.671	108.656	108.652	108.670	108.702	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716	108.716				
GROUND LEVEL	107.823	108.763	108.545	108.730	108.528	107.222	107.240	107.773	107.377	107.702	107.703	106.469	106.865	107.138	108.092	108.710	107.230	108.047	107.187	107.574	107.242	107.281	107.813	108.689	107.151	107.412	107.251	107.217	107.437	108.686	107.212	107.966	108.844				
CANT (mm)																																					
FLOW DIRECTION OF DRAIN																																					
CHAINAGE	374+000	374+020	374+040	374+060	374+080	374+100	374+120	374+140	374+160	374+180	374+200	374+220	374+240	374+260	374+280	374+300	374+320	374+340	374+360	374+380	374+400	374+420	374+440	374+460	374+480	374+500	374+520	374+540	374+560	374+580	374+600						

PROFILE

Page 1 of 1

LEGEND :

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

- 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 < 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. 374+000 TO CH. 374+600

DRAWING NO.	REV	SCALE
P 2 AL 0750	F	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	02.11.2015	FOR REVIEW
D	08.11.2015	PROFILE MODIFIED
E	26.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCSIEDPC/2015/570 DATED 23.11.2015.
F	14.12.2015	REVISION MADE AS PER DFC LETTER NO. ALOWJEN/PMCP/2015/56 DATED 10.12.2015

DRAWING STAGE

☒ FOR APPROVAL

☐ GOOD FOR CONSTRUCTION

PMC :
SYSTRA - Mott MacDonald JV

CONTRACTOR :
GIL - SIL JV

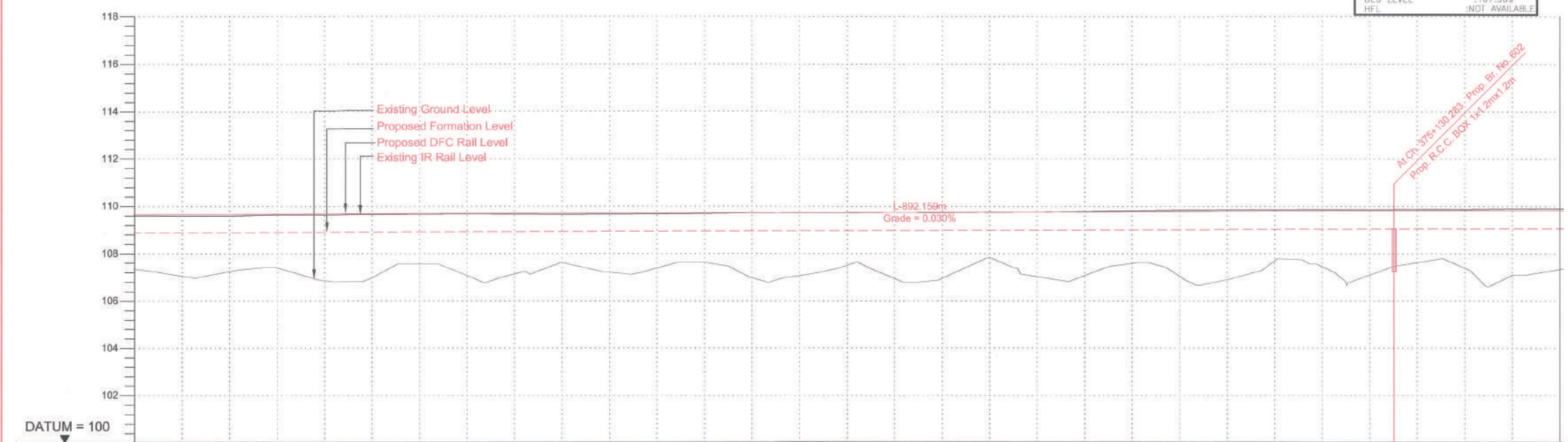
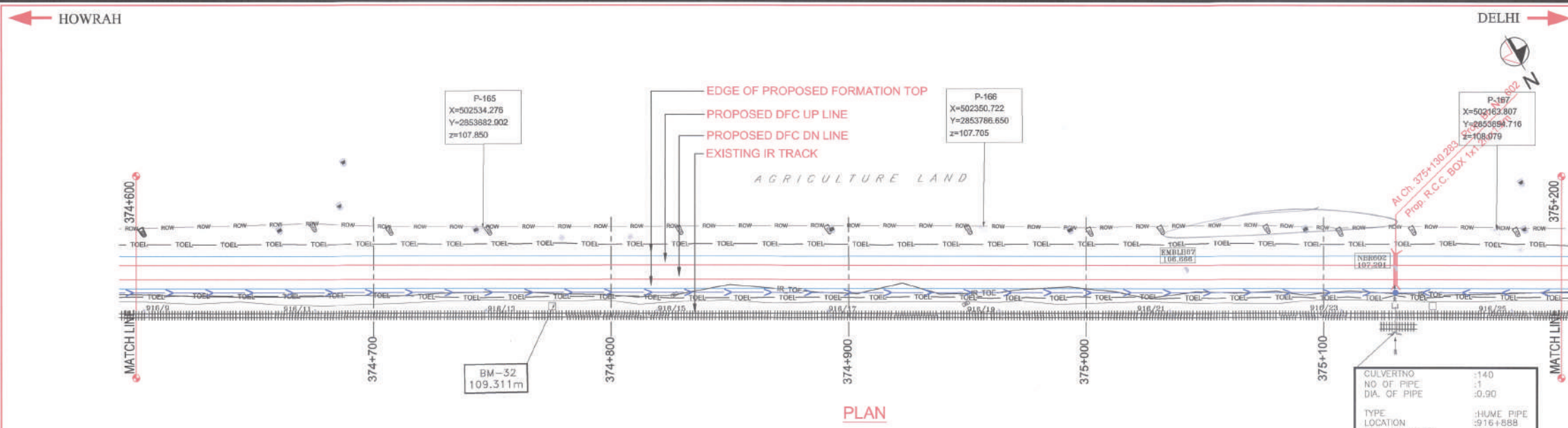
DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.
REGISTERED OFFICE : 1004-S RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.
OFFICE OF ORIGIN: KOLKATA

	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.	19/12/15	R. YADAV	

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VERTICAL ALIGNMENT		L=892.159m G=0.030%																			
HORIZONTAL ALIGNMENT																					
OFFSET BETWEEN IR AND DFCC TRACK AS PER DESIGN		14.013	14.004	14.011	14.019	14.028	14.039	14.050	14.061	14.072	14.083	14.094	14.105	14.116	14.127	14.138	14.149	14.160	14.171	14.182	14.193
EXISTING IR RAIL LEVEL		106.802	106.598	106.591	106.529	106.523	106.540	106.553	106.565	106.574	106.581	106.586	106.590	106.593	106.595	106.596	106.597	106.598	106.599	106.600	106.601
FILL HEIGHT(+)/ CUT DEPTH (-)		+1.240	+1.824	+1.619	+1.435	+1.911	+1.917	+1.352	+1.845	+1.725	+1.325	+1.845	+1.875	+1.541	+1.255	+1.597	+1.551	+1.406	+1.337	+1.777	+1.607
PROPOSED RAIL LEVEL		108.042	108.422	108.210	107.964	108.434	108.451	108.307	108.396	108.382	108.307	108.426	108.471	108.512	108.507	108.504	108.503	108.502	108.501	108.500	108.499
PROPOSED FORMATION LEVEL		108.873	109.253	109.041	108.795	109.265	109.282	109.138	109.227	109.213	109.138	109.257	109.302	109.343	109.338	109.335	109.334	109.333	109.332	109.331	109.330
GROUND LEVEL		107.496	107.275	107.266	107.458	107.586	107.698	107.776	107.648	107.625	107.261	107.345	107.490	107.620	107.698	107.754	107.817	107.861	107.881	107.887	107.888
CANT (mm)																					
FLOW DIRECTION OF DRAIN																					
CHAINAGE		374+600	374+620	374+640	374+660	374+680	374+700	374+720	374+740	374+760	374+780	374+800	374+820	374+840	374+860	374+880	374+900	374+920	374+940	374+960	374+980

LEGEND :

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

- 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.
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 - DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAIL DRAINAGE SYSTEM, DRAWINGS WILL BE SUBMITTED SEPARATELY.
 - PUBLIC UTILITIES, HT/AT 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. 374+600 TO CH. 375+200

DRAWING NO.		REV	SCALE
P	2	AL 07/51	F
		HOR : 1:1000 VER : 1:100	

REVIEWS		
REV	DATE	REMARKS
B	01.10.2015	FOR REVIEW
C	02.11.2015	FOR REVIEW
D	06.11.2015	PROFILE MODIFIED
E	26.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCSDF/C2/LT/2015/570 DATED 23.11.2015.
F	14.12.2015	REVISION MADE AS PER DFCC LETTER NO. ALD/WJENPMCPRO-202/156 DATED 10.12.2015

DRAWING STAGE

☒ FOR APPROVAL

☐ GOOD FOR CONSTRUCTION

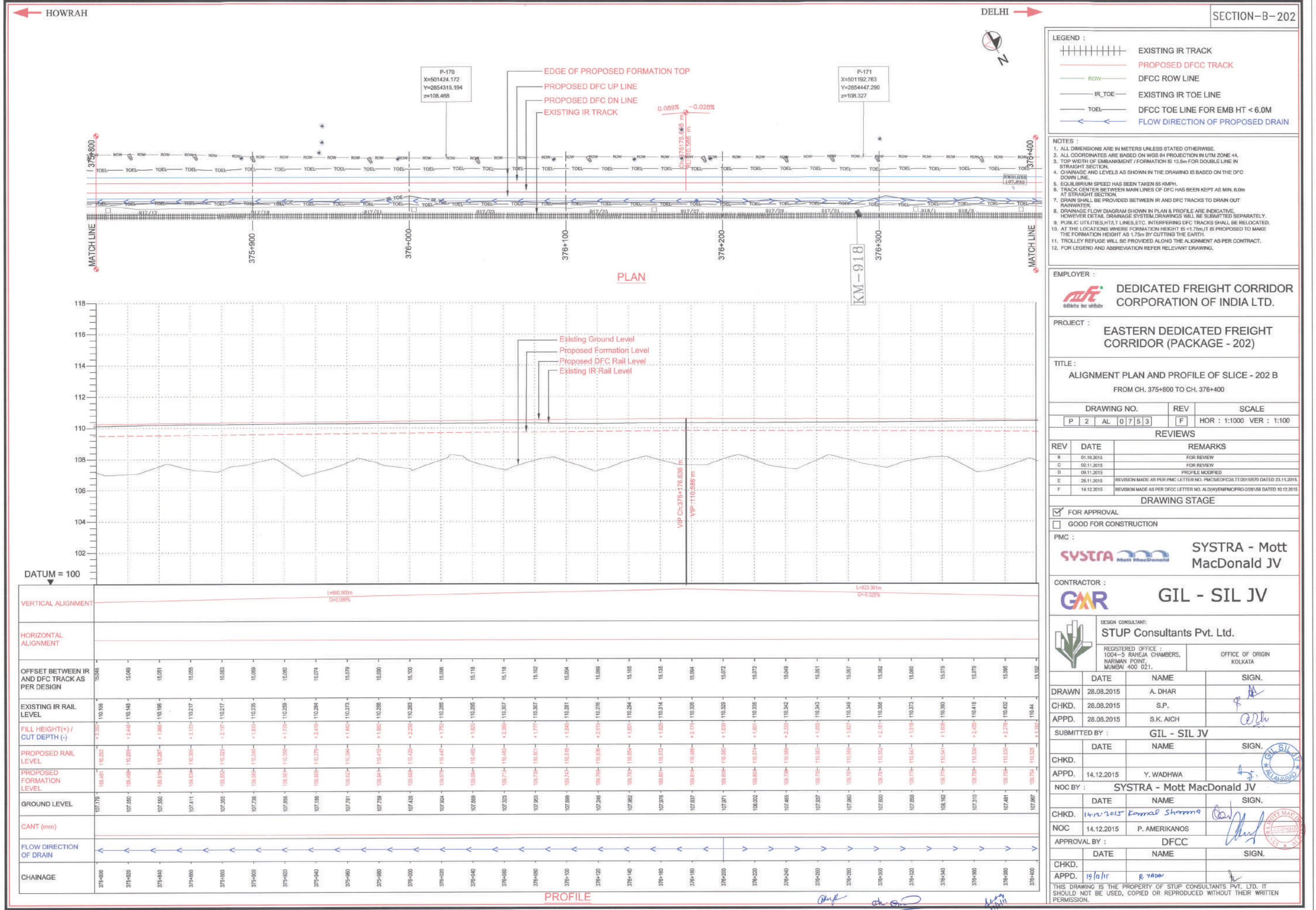
PMC :
SYSTRA - Mott MacDonald JV

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.	19/11/15	R. YADAV	

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← HOWRAH

→ DELHI

SECTION-B-202

HORIZONTAL CURVE DETAILS	
CURVE NO : DN - 09	
HIP CH : 376+701 Km	
E	500846.754
N	2854670.286
Δ	0° 34' 32.8" (L.H)
R	-5200.0m
Lc	27.26m
Ls	25.0m
V	100 Km/h
Ca	20.00 mm
Cd	7.00 mm

HORIZONTAL CURVE DETAILS	
CURVE NO : DN - 10	
HIP CH : 376+900.0255 Km	
E	500672.893
N	2854767.156
Δ	0° 34' 32.8" (R.H)
R	5200.0m
Lc	27.26m
Ls	25.0m
V	100 Km/h
Ca	20.00 mm
Cd	7.00 mm

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

- 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 - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 B
 FROM CH. 376+400 TO CH. 377+000

DRAWING NO.	REV	SCALE
P 2 AL 0754	K	HOR : 1:1000 VER : 1:100

REVIEWS		
REV	DATE	REMARKS
F	14.12.2015	REVISION MADE AS PER DFCC LETTER NO. ALDW/EN/PM/PRO-2021/66 DATED 10.12.2015.
G	26.04.2017	REVISED AS PER SITE CONDITION
H	08.05.2017	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2LT/2017/02227 DATED 27.04.2017.
J	07.06.2017	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2LT/2017/02720 DATED 22.05.2017.
K	19.06.2017	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/2LT/2017/03198 DATED 12.06.2017.

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

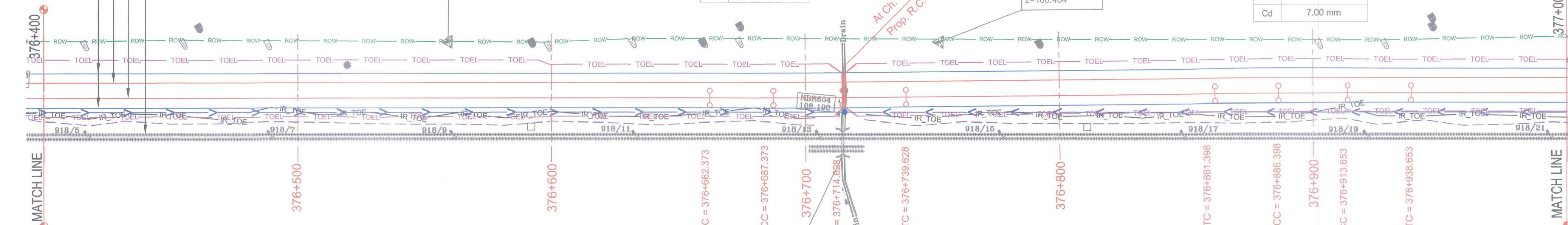
	DATE	NAME	SIGN.
DRAWN	26.04.2017	ABHIJIT DAS	
CHKD.	26.04.2017	SUDDHASIL PURKAIT	
APPD.	26.04.2017	ANIL KUMAR MITTAL	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.	21/06/17	REEPAK GUPTA	
APPD.	21/06/17	R.S.P. Singh	
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	24/06/17	SURESH PATEL	
NOC	24/06/17	P. AMERIKANOS	
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.	12.07.17	S.K. HANU	
APPD.	12.07.17	S.K. HANU	

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 PERMISSION.
 (A.P.S.U. Under Min. of Railways)
 ALLAHABAD

EDGE OF PROPOSED FORMATION TOP
 PROPOSED DFC UP LINE
 PROPOSED DFC DN LINE
 EXISTING IR TRACK

P-172
 X=500958.885
 Y=2854580.921
 Z=108.457

AGRICULTURE LAND



PLAN

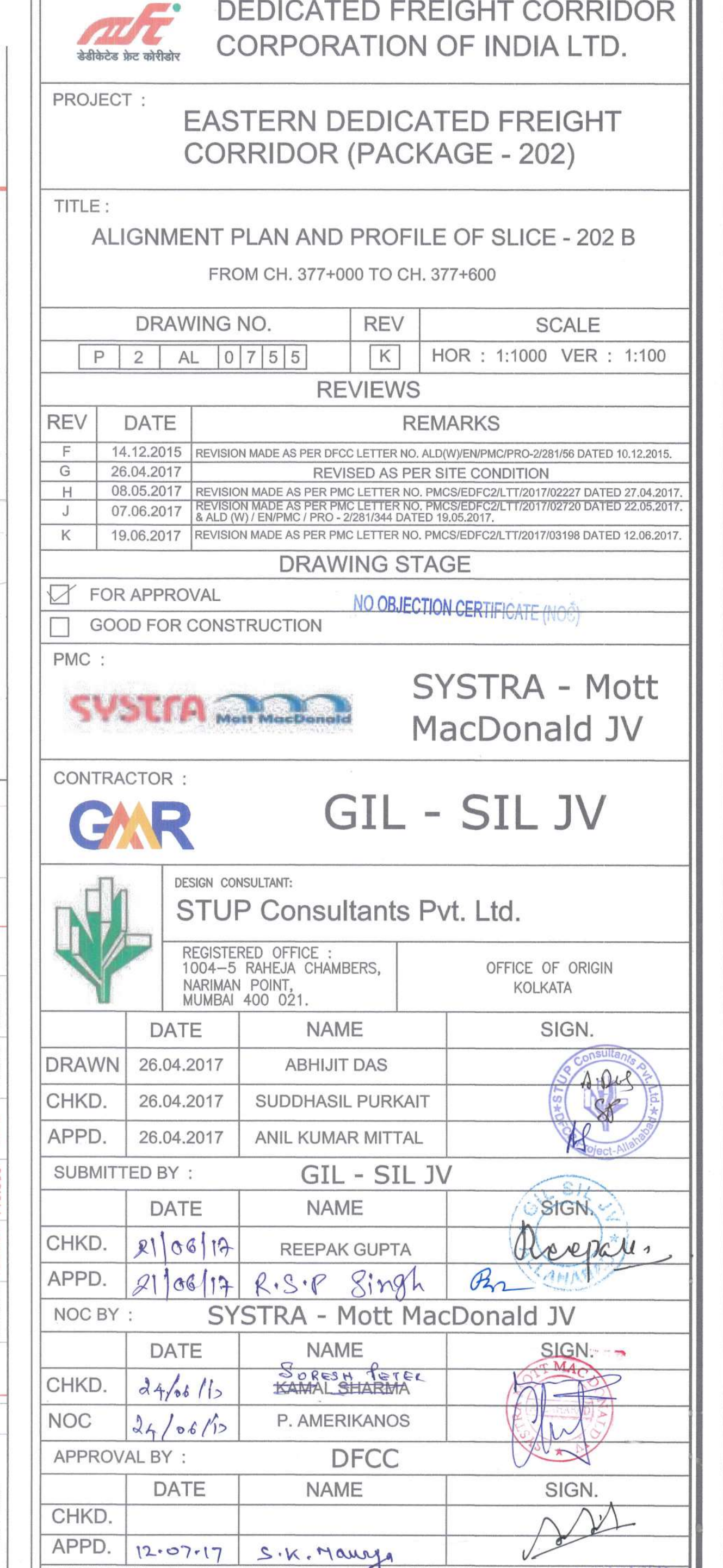
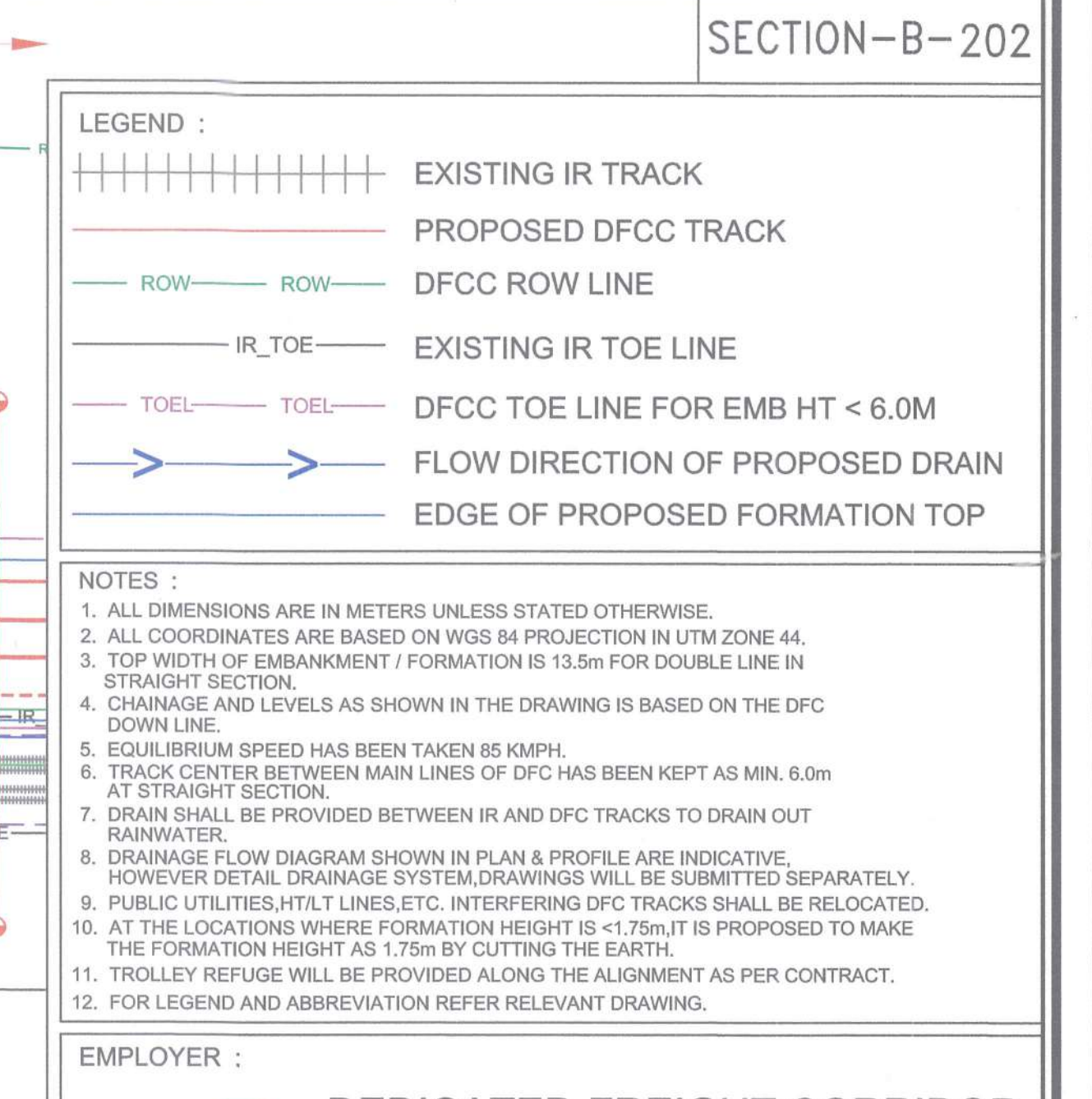
CULVERT NO	142
NO OF SPAN	0.90
WIDTH OF SPAN	1.125
VERTICAL CLEARANCE	SLAB
TYPE	918+429
LOCATION	110.282
RAIL TOP LEVEL	108.081
BED LEVEL	108.655
HFL	

Existing Ground Level
 Proposed Formation Level
 Proposed DFC Rail Level
 Existing IR Rail Level

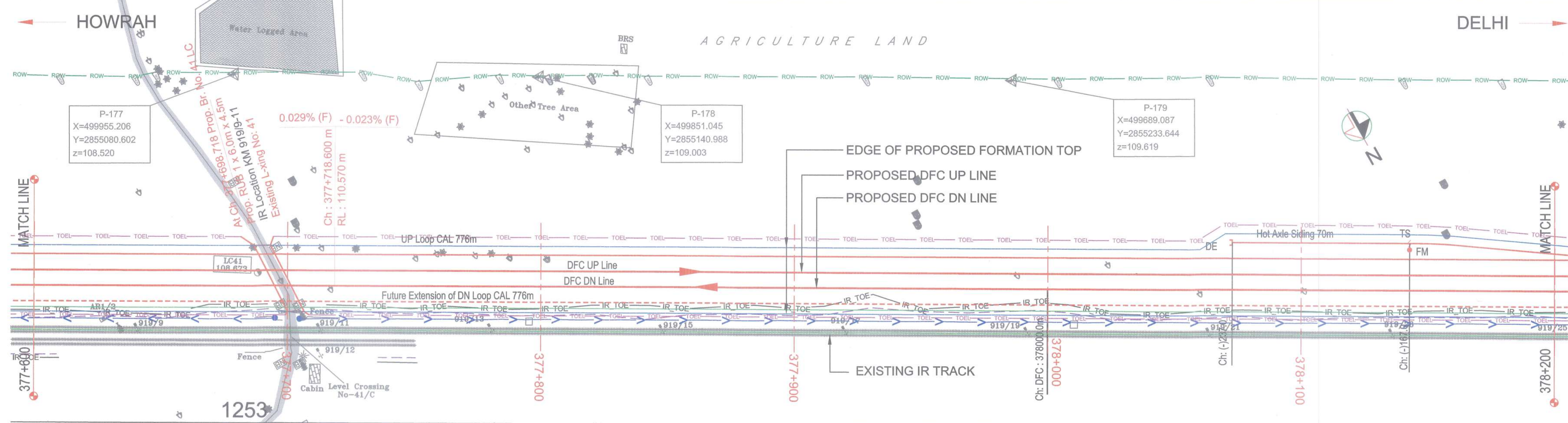
DATUM = 100

VERTICAL ALIGNMENT	Left Transition		Left Transition		Right Transition		Right Transition	
	L=25.000	R=5200.000 L=27.255	L=25.000	L=121.770	L=25.000	R=5200.000 L=27.255	L=25.000	L=2491.059
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	15.134							
EXISTING IR RAIL LEVEL	110.44	110.445	110.451	110.446	110.445	110.451	110.446	110.445
FILL HEIGHT(+) / CUT DEPTH (-)	+1.787	+2.396	+2.089	+1.689	+1.109	+1.881	+1.584	+1.144
PROPOSED RAIL LEVEL	110.525	110.519	110.514	110.508	110.503	110.497	110.492	110.486
PROPOSED FORMATION LEVEL	109.754	109.748	109.743	109.737	109.732	109.726	109.721	109.715
GROUND LEVEL	107.967	107.352	107.674	108.078	107.623	107.835	108.157	107.978
CANT (mm)								
FLOW DIRECTION OF DRAIN								
CHAINAGE	376+400	376+420	376+440	376+460	376+480	376+500	376+520	376+540

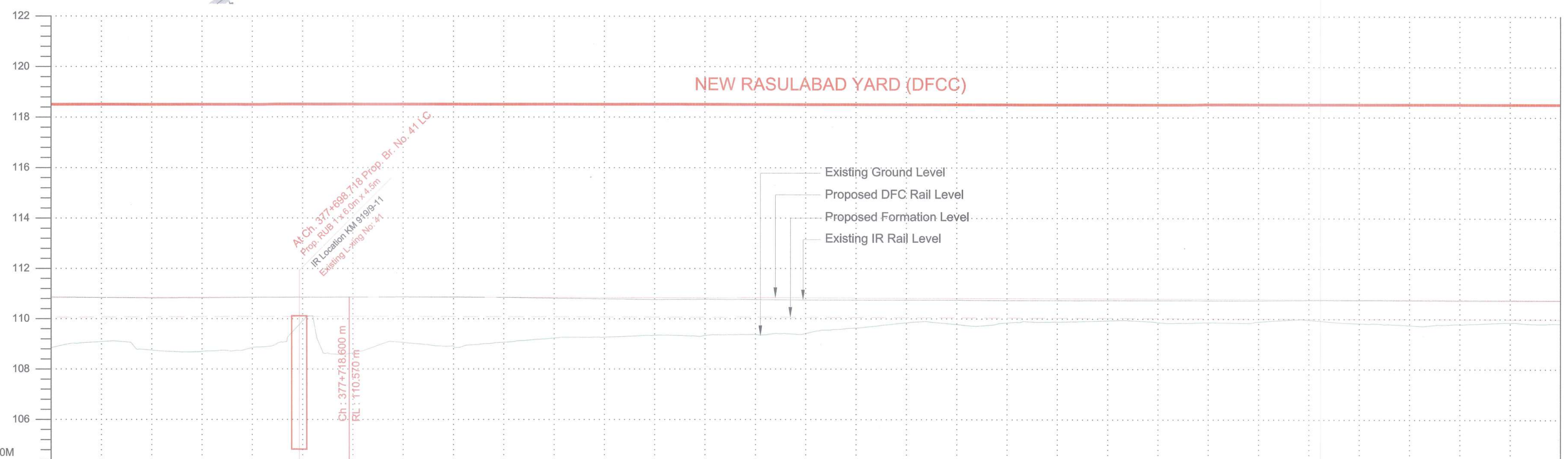
PROFILE



SECTION-B-202



PLAN



PROFILE

VERTICAL ALIGNMENT	G=-0.023% L= 1721.400																			
HORIZONTAL ALIGNMENT	L = 2951.399																			
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	10.979	11.047	11.108	11.067	11.017	11.029	11.021	11.047	11.068	11.098	11.080	11.088	11.088	11.127	11.093	11.075	11.111	11.127	11.130	11.128
EXISTING IR RAIL LEVEL	110.566	110.544	110.524	110.527	110.542	110.562	110.563	110.575	110.57	110.552	110.524	110.497	110.46	110.443	110.442	110.42	110.44	110.429	110.427	110.431
FILL HEIGHT(+) / CUT DEPTH (-)	1.213	0.975	1.323	1.382	1.237	0.166	1.456	1.034	1.164	1.021	0.845	0.810	0.686	0.646	0.419	0.207	0.270	0.200	0.155	0.101
PROPOSED RAIL LEVEL	110.535	110.541	110.547	110.553	110.559	110.565	110.570	110.565	110.561	110.556	110.552	110.547	110.533	110.529	110.524	110.520	110.515	110.511	110.506	110.502
PROPOSED FORMATION LEVEL	109.764	109.770	109.776	109.782	109.788	109.794	109.799	109.794	109.790	109.785	109.781	109.776	109.762	109.758	109.753	109.749	109.744	109.740	109.735	109.731
GROUND LEVEL	108.551	108.795	108.453	108.400	108.551	109.628	108.343	108.760	108.626	108.764	108.936	108.966	109.049	109.039	109.076	109.112	109.334	109.542	109.690	109.630
CANT (mm)																				
FLOW DIRECTION OF DRAIN	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<
CHAINAGE	377+600	377+620	377+640	377+660	377+680	377+700	377+720	377+740	377+760	377+780	377+800	377+820	377+840	377+860	377+880	377+900	377+920	377+940	377+960	377+980

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

- 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 B
 FROM CH. 377+600 TO CH. 378+200

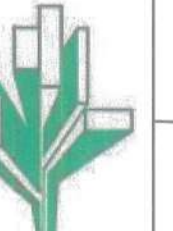
DRAWING NO.	REV	SCALE
P 2 AL 0756	K	HOR : 1:1000 VER : 1:100

REV	DATE	REMARKS
F	14.12.2015	REVISION MADE AS PER DFC LETTER NO. ALD/WJEN/PMC/PRO-2281/56 DATED 10.12.2015.
G	26.04.2017	REVISED AS PER SITE CONDITION
H	08.05.2017	REVISION MADE AS PER PMC LETTER NO. PMCSIEDFC2/LT/2017/02227 DATED 27.04.2017.
J	07.06.2017	REVISION MADE AS PER PMC LETTER NO. PMCSIEDFC2/LT/2017/02720 DATED 22.05.2017. & ALD (W) / EN/PMC / PRO - 2281/344 DATED 19.05.2017.
K	19.06.2017	REVISION MADE AS PER PMC LETTER NO. PMCSIEDFC2/LT/2017/03198 DATED 12.06.2017.

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

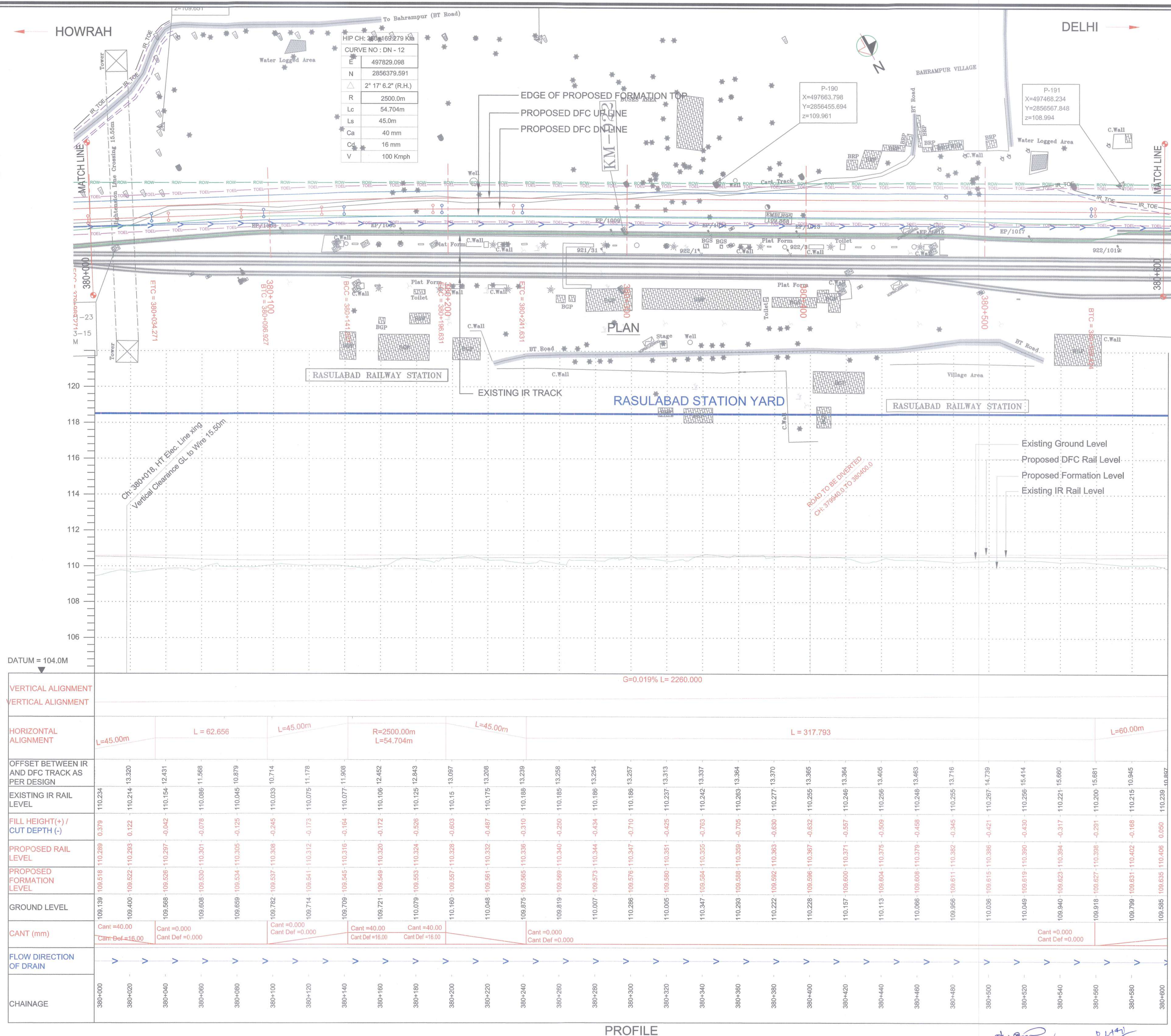
PMC :
 SYSTRA - Mott MacDonald JV

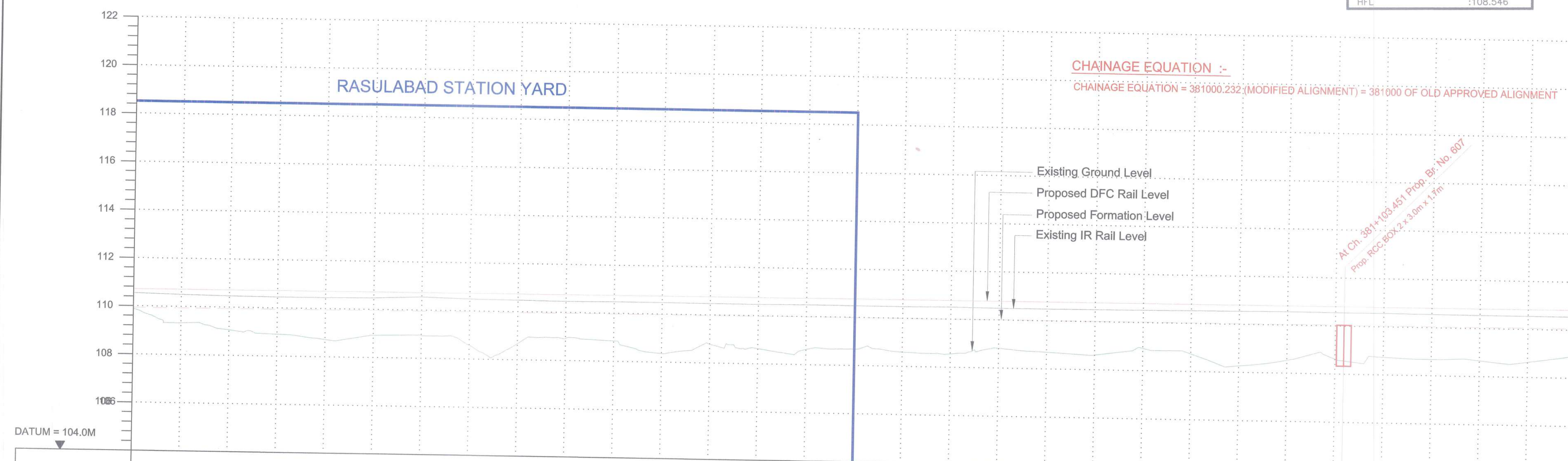
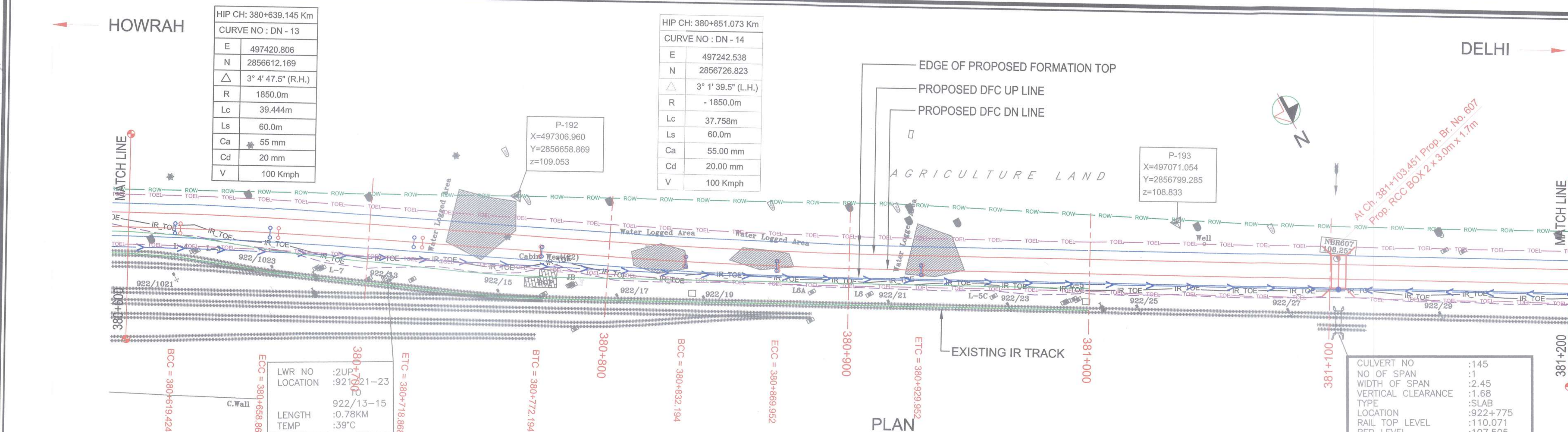
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DATE	NAME	SIGN.
26.04.2017	ABHIJIT DAS	
26.04.2017	SUDDHASIL PURKAIT	
26.04.2017	ANIL KUMAR MITTAL	
SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
21.06.17	REEPAK GUPTA	
21.06.17	R.S.P Singh	
NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
24.06.17	P. AMERIKANOS	
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
2.07.17	S.K. Mawya	

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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
380+600	➤		109.585	109.635	110.406	0.050	110.239			
380+620	➤		109.018	109.639	110.410	0.621	110.196	11.693		
380+640	➤		108.755	109.643	110.414	0.888	110.165	13.906		
380+660	➤		108.610	109.647	110.418	1.037	110.153	16.304		
380+680	➤		108.419	109.650	110.421	1.231	110.158	17.472		
380+700	➤		108.625	109.654	110.425	1.029	110.18	18.277		
380+720	➤		108.640	109.658	110.429	1.018	110.247	19.004		
380+740	➤		108.275	109.662	110.433	1.387	110.195	19.656		
380+760	➤		108.375	109.666	110.437	1.291	110.179	19.767		
380+780	➤		108.624	109.670	110.441	1.046	110.164	19.079		
380+800	➤		108.550	109.674	110.445	1.124	110.181	18.050		
380+820	➤		108.057	109.678	110.449	1.821	110.182	17.116		
380+840	➤		108.477	109.682	110.453	1.205	110.17	16.310		
380+860	➤		108.530	109.685	110.456	1.355	110.17	15.721		
380+880	➤		108.340	109.689	110.460	1.349	110.189	15.373		
380+900	➤		108.385	109.693	110.464	1.308	110.179	15.240		
380+920	➤		108.297	109.697	110.468	1.400	110.18	15.174		
380+940	➤		108.250	109.701	110.472	1.441	110.203	15.127		
380+960	➤		105.522	109.705	110.476	1.183	110.186	15.122		
380+980	➤		108.397	109.709	110.480	1.312	110.187	15.074		
381+000	➤		108.315	109.713	110.484	1.398	110.196	15.108		
381+020	➤		105.630	109.717	110.488	1.087	110.212	15.054		
381+040	➤		108.433	109.721	110.492	1.288	110.226	15.068		
381+060	➤		107.975	109.724	110.495	1.749	110.243	15.088		
381+080	➤		108.240	109.728	110.499	1.468	110.251	15.081		
381+100	➤		108.314	109.732	110.503	1.418	110.252	15.078		
381+120	➤		108.437	109.736	110.507	1.299	110.257	15.082		
381+140	➤		108.378	109.740	110.511	1.362	110.253	15.095		
381+160	➤		108.356	109.744	110.515	1.389	110.245	15.098		
381+180	➤		108.333	109.748	110.519	1.415	110.244	15.078		
381+200	➤		108.624	109.752	110.523	1.128	110.244	15.097		

PROFILE

DELHI

SECTION-B-202

LEGEND :

-
- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- ROW ROW DFCC ROW LINE
- IR_TOE EXISTING IR TOE LINE
- TOEL 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.
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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. 380+600 TO CH. 381+200

DRAWING NO.							REV	SCALE	
P	2	AL	0	7	6	1	K	HOR : 1:1000 VER : 1:100	

REVIEWS

REVISIONS		
REV	DATE	REMARKS
F	14.12.2015	REVISION MADE AS PER DFCC LETTER NO. ALD(WJEN)/PMC/PRO-2/281/86 DATED 10.12.2015.
G	26.04.2017	REVISED AS PER SITE CONDITION
H	08.05.2017	REVISION MADE AS PER PMC LETTER NO. PMCSDE/FCGLT/217/02227 DATED 27.04.2017
J	07.06.2017	REVISION MADE AS PER PMC LETTER NO. PMCSDE/FCGLT/217/02720 DATED 22.05.2017 & ALD (WJ) EN/PMC / PRO - 2/281/344 DATED 05.05.2017.
K	19.06.2017	REVISION MADE AS PER PMC LETTER NO. PMCSDE/FCGLT/217/03198 DATED 12.06.2017.

DRAWING STAGE

☒ FOR APPROVAL

NO OBJECTION CERTIFICATE (NOO)

☐ GOOD FOR CONSTRUCTION

PMC :

SYSTRA - Mott
MacDonald JV

CONTRACTOR :



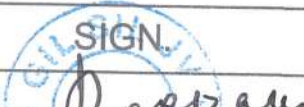
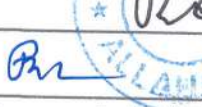
GIL - SIL JV

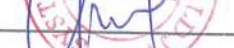
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APPROVAL BY :		DFCC	
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