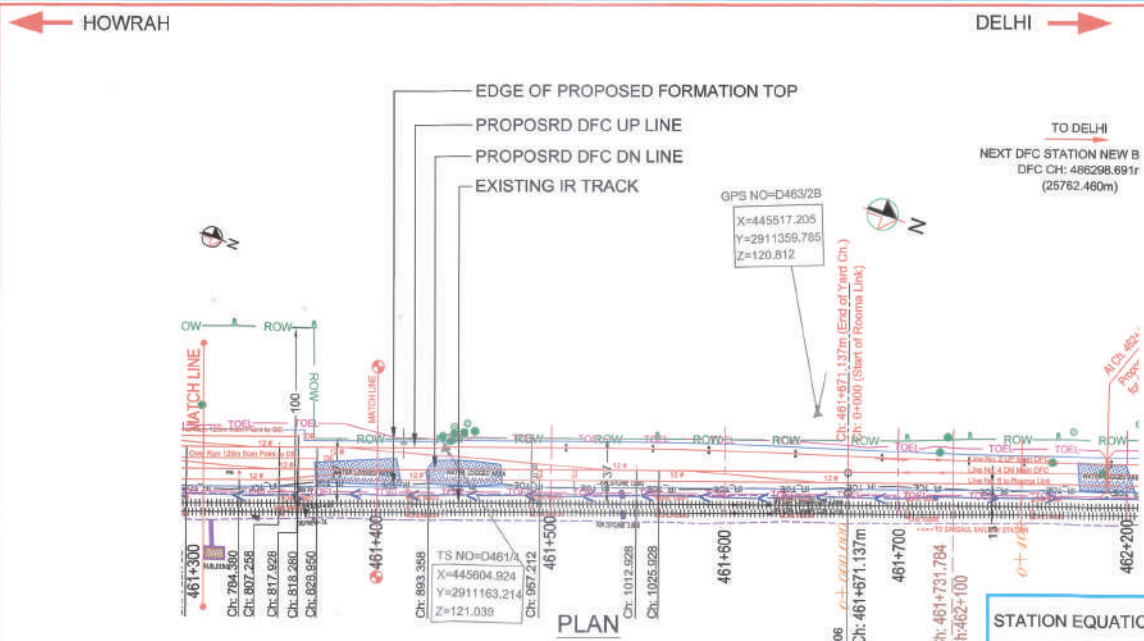
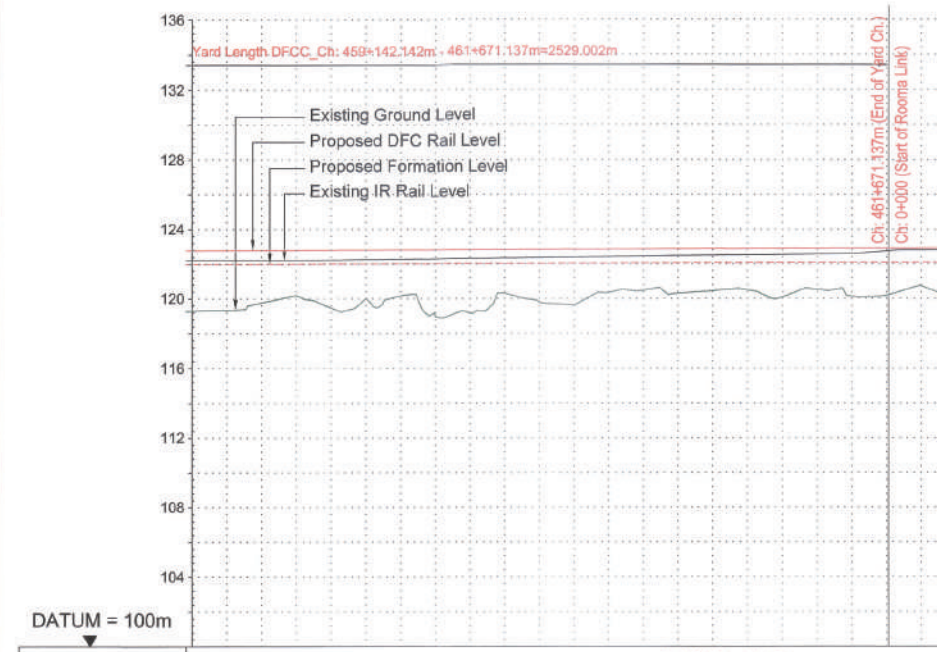


SECTION-D-202



HORIZONTAL CURVE DETAILS		HORIZONTAL CURVE DETAILS	
CURVE DETAILS : UP LINE		CURVE DETAILS : UP LINE	
AT CH : 461+576 m		HIP CH : 461+756 m	
E 445551.5014		E 445509.9487	
N 2911291.8065		N 2911466.4741	
2° 2' 43.5" (R.H.)		2° 2' 43.5" (L.H.)	
R 2300.0m		R - 2300.0m	
Lc 32.11m		Lc 32.11m	
Ls 50.0m		Ls 50.0m	
V 100 Kmph		V 100 Kmph	
Ca 45 mm		Ca 45 mm	
Cd 15 mm		Cd 15 mm	

NOTE :-
1. Location of Rooma Link line Chainage 0+00 has been fixed by DFCC on outer SRJ towards Kanpur.



VERTICAL ALIGNMENT	G=0.033% L=1381.524m																			
HORIZONTAL ALIGNMENT																				
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	3.655	3.653	3.616	3.587	3.559	3.44	3.436	3.467	3.35	3.263	3.211	3.238	3.256	3.118	3.102	3.062	3.003	2.963	2.969	2.88
EXISTING IR RAIL LEVEL	122.27	122.27	122.27	122.27	122.22	122.256	122.28	122.304	122.327	122.351	122.374	122.388	122.401	122.421	122.445	122.468	122.492	122.515	122.538	122.562
FILL HEIGHT(+)/ CUT DEPTH (-)	2.72	2.667	2.25	1.825	2.545	2.042	1.883	1.801	2.861	1.743	2.256	2.428	1.711	1.603	1.588	1.787	1.65	1.603	1.588	1.507
PROPOSED RAIL LEVEL	122.76	122.763	122.790	122.796	122.803	122.890	122.916	122.933	122.939	122.946	122.942	122.945	122.946	122.945	122.942	122.938	122.935	122.932	122.928	122.923
PROPOSED FORMATION LEVEL	122.805	122.812	122.819	122.825	122.832	122.890	122.916	122.933	122.939	122.946	122.942	122.945	122.946	122.945	122.942	122.938	122.935	122.932	122.928	122.923
GROUND LEVEL	118.284	118.345	118.789	120.159	118.487	118.966	120.162	118.051	118.197	120.322	118.815	118.652	120.374	120.485	120.311	120.444	120.568	120.101	120.536	120.200
CANT (mm)																				
FLOW DIRECTION OF DRAIN																				
CHAINAGE	461+300	461+320	461+340	461+360	461+380	461+400	461+420	461+440	461+460	461+480	461+500	461+520	461+540	461+560	461+580	461+600	461+620	461+640	461+660	461+680

PROFILE

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.
 - 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 DFC & EXISTING IR TRACK HAS BEEN KEPT AT MIN. 6.0M AT STRAIGHT SECTION.
 - 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.
 - 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 456+500 TO 462+016 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. 461+300 TO CH. 461+731.784

DRAWING NO.	REV	SCALE
P 2 AL 0854	C	HOR : 1:2000 VER : 1:200

REVIEWS		
REV	DATE	REMARKS
B	12.04.2016	Vertical Alignment Changed from 461+150 to Ch. 461+731.784
C	13.04.2016	LETTER NO. PMCS-EDFC2-LTT-2016-00664 DT:- 08/03/2016

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

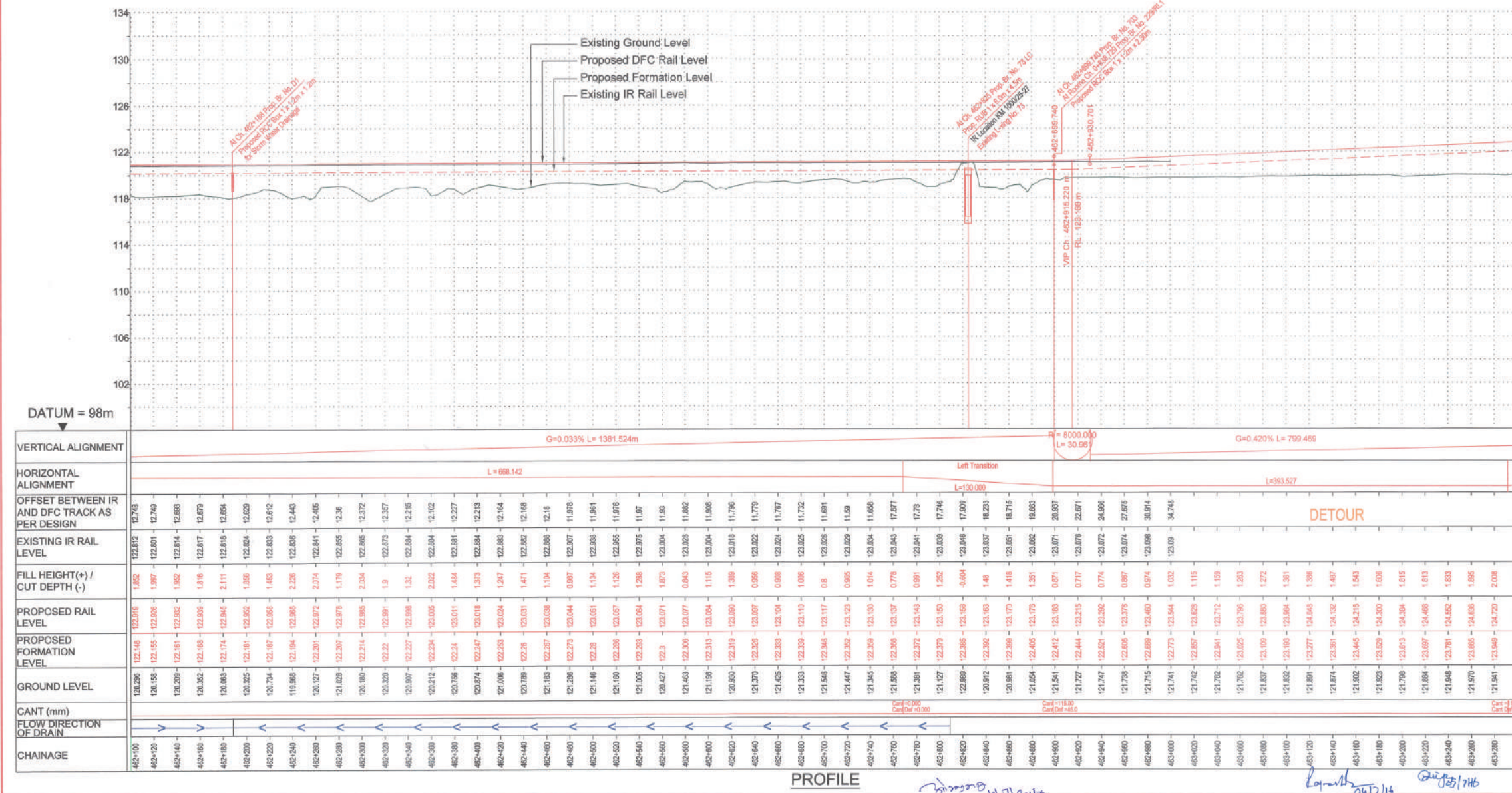
PMC :
SYSTRA - Mott MacDonald JV

CONTRACTOR :
GIL - SIL JV

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

	DATE	NAME	SIGN.
DRAWN		A. MITRA	
CHKD.	22.06.16	SP	
APPD.	23.06.16	S.K. AICH	
SUBMITTED BY : GIL - SIL JV			
	DATE	NAME	SIGN.
CHKD.	23/7/16	Yaqub Ali	
APPD.	23/6/16	RAMPAL SAINI	
NOC BY : SYSTRA - Mott MacDonald JV			
	DATE	NAME	SIGN.
CHKD.	27-6-16	KAMAL SHARMA	
NOC	27-6-16	P. AMERIKANOS	
APPROVAL BY : DFCC			
	DATE	NAME	SIGN.
CHKD.			
APPD.	05-7-16	S.K. MAURYA	

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NOTES :

1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
2. 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 KMPH.
6. TRACK CENTER BETWEEN DFC & EXITING IR TRACK HAS BEEN KEPT AT MIN. 6.0M AT STRAIGHT SECTION.
7. TRACK CENTER BETWEEN MAIN LINES OF DFC HAS BEEN KEPT AS MIN. 8.0M AT STRAIGHT SECN.
8. DRAIN SHALL BE PROVIDED BETWEEN IR AND DFC TRACKS TO DRAIN OUT RAINWATER.
9. DRAINAGE FLOW DIAGRAM SHOWN IN PLAN & PROFILE ARE INDICATIVE. HOWEVER DETAILED DRAINAGE SYSTEM DRAWING WILL BE SUBMITTED SEPARATELY.
10. DFC CABLE FALLING IN PROPOSED DFC ALIGNMENT HAS TO BE SHIFTED SUITABLY.
11. PUBLIC UTILITIES, HT/LT LINES ETC. INTERFERING DFC TRACKS SHALL BE RELOCATED.
12. AT THE LOCATIONS WHERE EMBANKMENT HEIGHT IS 1.5M, IT IS PROPOSED TO MAKE AN EMBANKMENT WITH 1:1 SLOPE RATIO.
13. TROLLEY REFUGE WILL BE PROVIDED ALONG THE ALIGNMENT AS PER CONTRACT.
14. FOR LEGEND AND ABBREVIATION REFER RELEVANT DRAWING.
15. PROPOSED ROW SHOWN FROM 456+500 TO 462+616 IS AS PER THE DOCUMENT GIVEN BY DFCO.

PROJECT : EASTERN DEDICATED FREIGHT
CORRIDOR (PACKAGE - 202)

TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D
FROM CH. 461+731.784 / 462+100 TO CH. 463+300

REVIEWS		
REV	DATE	REMARKS
B	12.04.2016	Vertical Alignment Changed from 462+100 to Ch. 463+780
C	13.04.2016	LETTER NO. PMCS-EDFC2-LTT-2016-00684 DT:- 08/03/2016
D	20.06.2016	PMCS-EDFC2-LTT-2016-1932 DATED:- 17/06/2016

DRAWING STAGE	
☒	FOR APPROVAL
☐	GOOD FOR CONSTRUCTION

PMC :  SYSTRA - Mott MacDonald JV

CONTRACTOR :  GIL - SIL JV

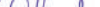
	DESIGN CONSULTANT: STUP Consultants Pvt. Ltd.	
	REGISTERED OFFICE : 1004-S RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.	OFFICE OF ORIGIN KOLKATA.

	DATE	NAME	SIGN.
DRAWN		A. MITRA	

CHKD.	23.06.16	SP	\$
APPD.	23.06.16	S.K. AICH	08/23.6.16

SUBMITTED BY:		GIL - SIL JV	
	DATE	NAME	SIGN.
CHKD	9/25/16	<i>[Signature]</i>	<i>[Signature]</i>

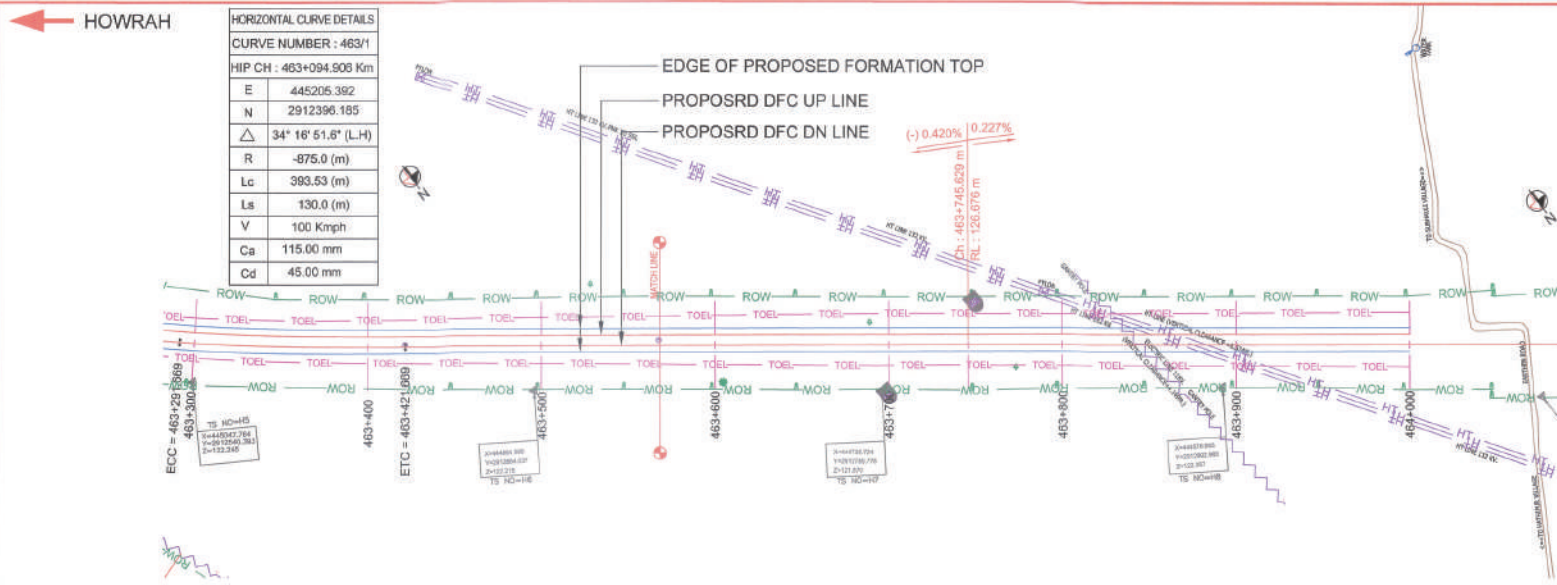
APPD.	23/6/16	RAMPAL SAINI	KP
NOC BY :	SYSTRA - Mott MacDonald JV		

	DATE	NAME	SIGN.
CHKD.	27-6-16	Kamal Sharma	

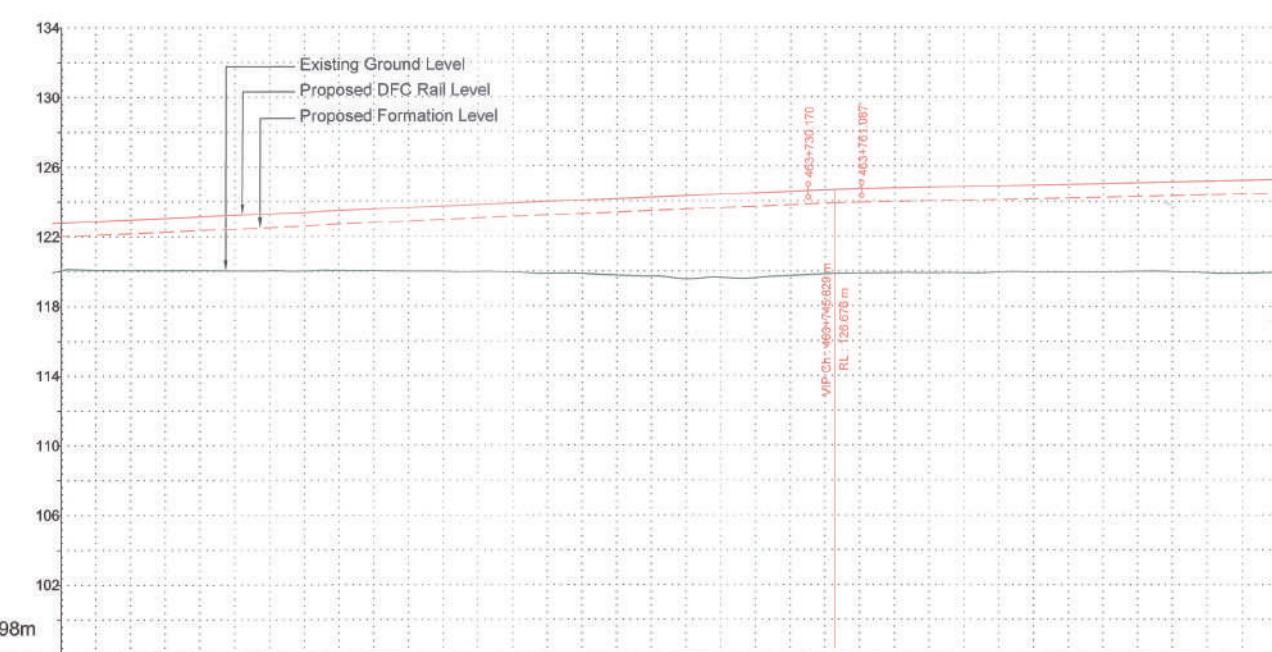
NOC	27-6-16	P. AMERIKANOS	
APPROVAL BY :		DFCC	
DATE	NAME	SIGNATURE	

	DATE	NAME	SIGNATURE
CHKD.			
APPD.	05.7.16	S.K. MAURYA	

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NOTE :-
1. Alignment Ch: 463000 to 482000 was approved on 04.12.2015 by PMC
2. Due to fixed level at Level Crossing no: 73 & Roona link line, approved alignment has been changed from Ch: 463+000 to 463+750



VERTICAL ALIGNMENT	G=0.420% L=799.469		R=-10000.000	G=0.227% L=1194.079m		
HORIZONTAL ALIGNMENT	Left Transition		L=578.3309			
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN	L=130.000					
EXISTING IR RAIL LEVEL	DETOUR					
FILL HEIGHT(+)/ CUT DEPTH (-)	1.997	2.022	2.128	2.207		
PROPOSED RAIL LEVEL	122.896	122.896	122.896	122.896		
PROPOSED FORMATION LEVEL	122.896	122.896	122.896	122.896		
GROUND LEVEL	122.896	122.896	122.896	122.896		
CANT (mm)	122.896	122.896	122.896	122.896		
FLOW DIRECTION OF DRAIN	122.896	122.896	122.896	122.896		
CHAINAGE	463+300	463+320	463+340	463+360		

DELHI → 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
 - 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 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
 - 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 456+500 TO 462+916 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. 463+300 TO CH. 464+000

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

REV	DATE	REMARKS
B	12.04.2016	Vertical Alignment Changed from 462+100 to Ch. 463+780
C	13.04.2016	LETTER NO. PMCS-EDFC2-LTT-2016-00664 DT: 08/03/2016

DRAWING STAGE
☒ FOR APPROVAL
☐ GOOD FOR CONSTRUCTION

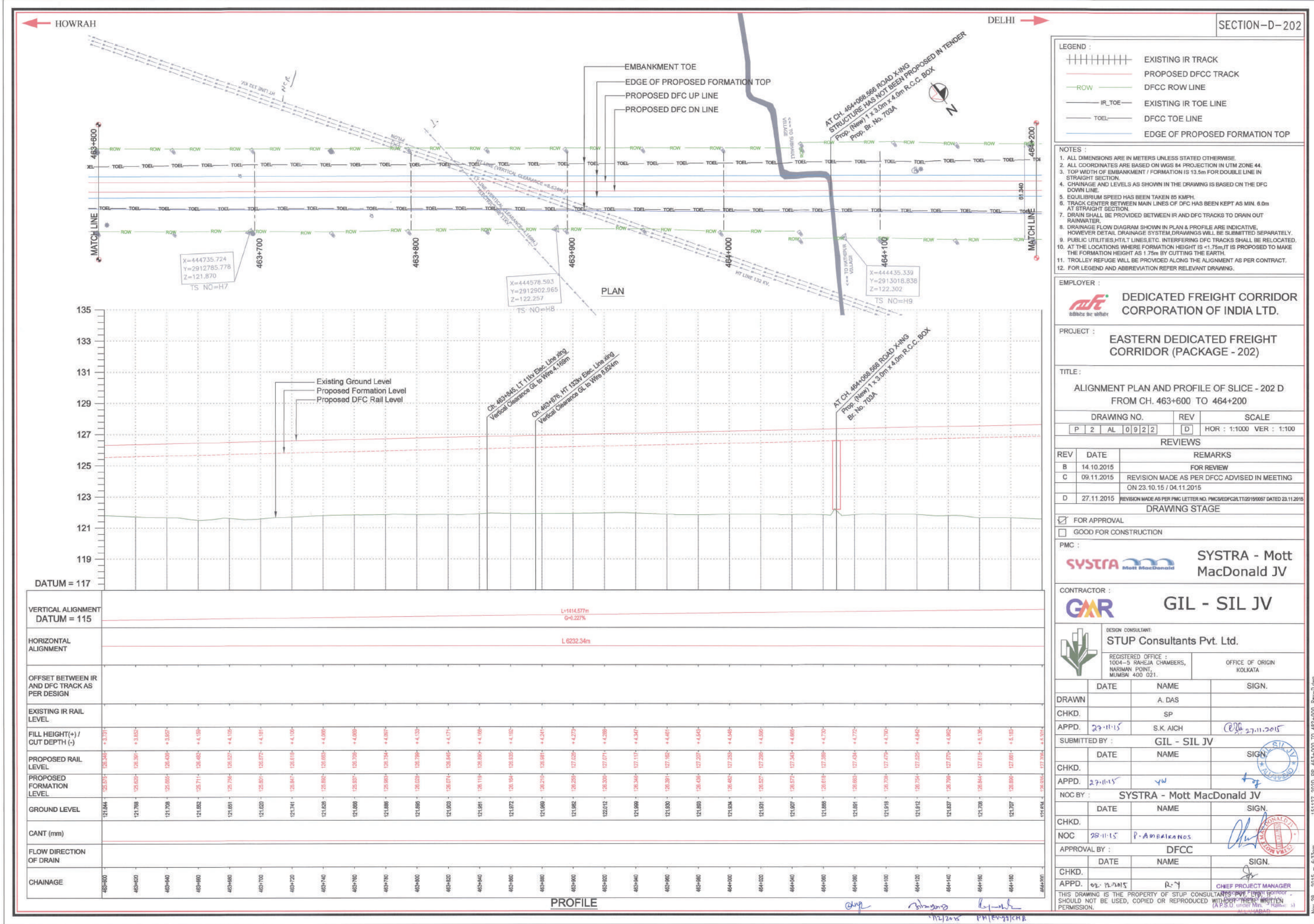
PMC :
SYSTRA - Mott MacDonald JV

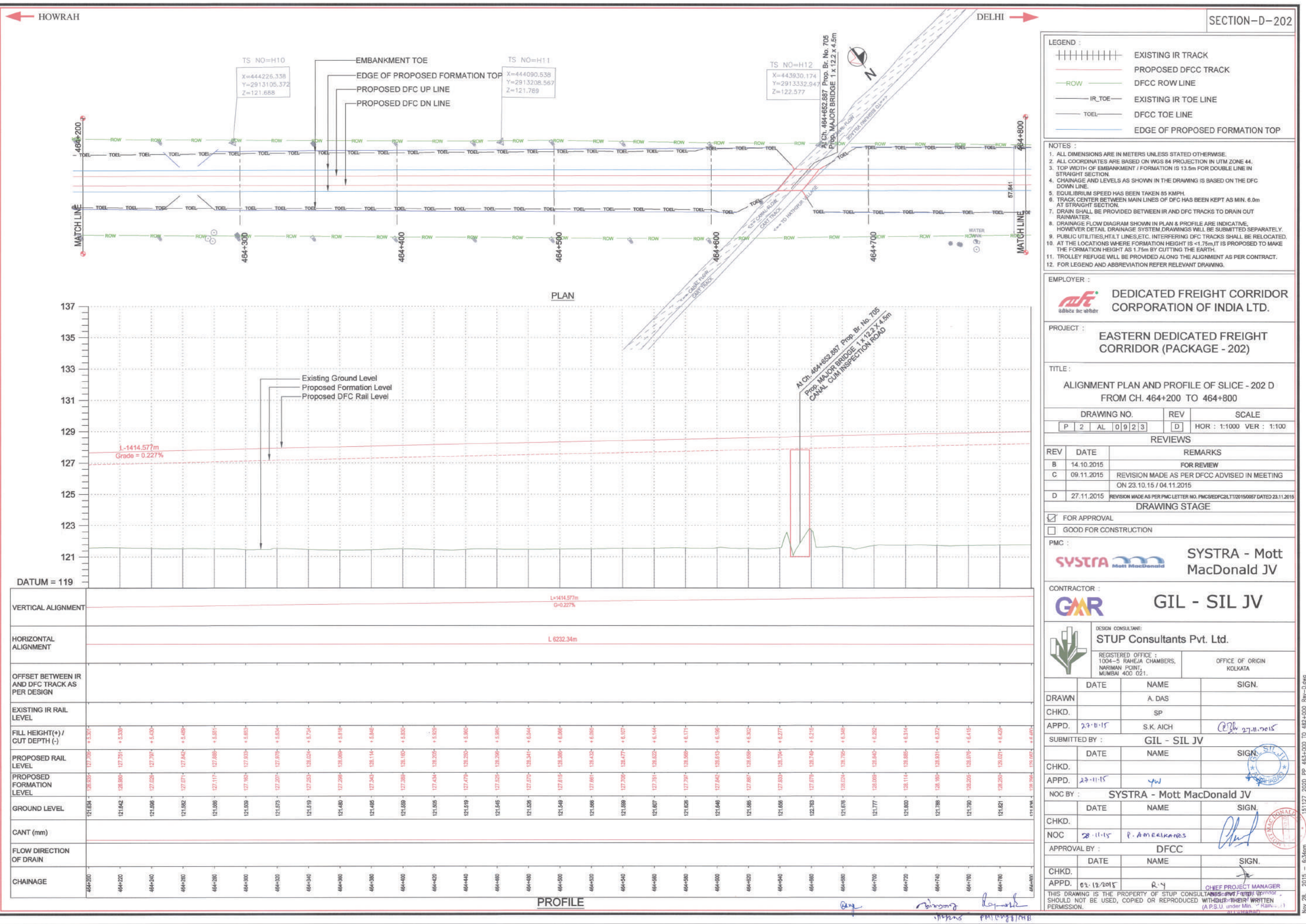
CONTRACTOR :
GIL - SIL JV

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

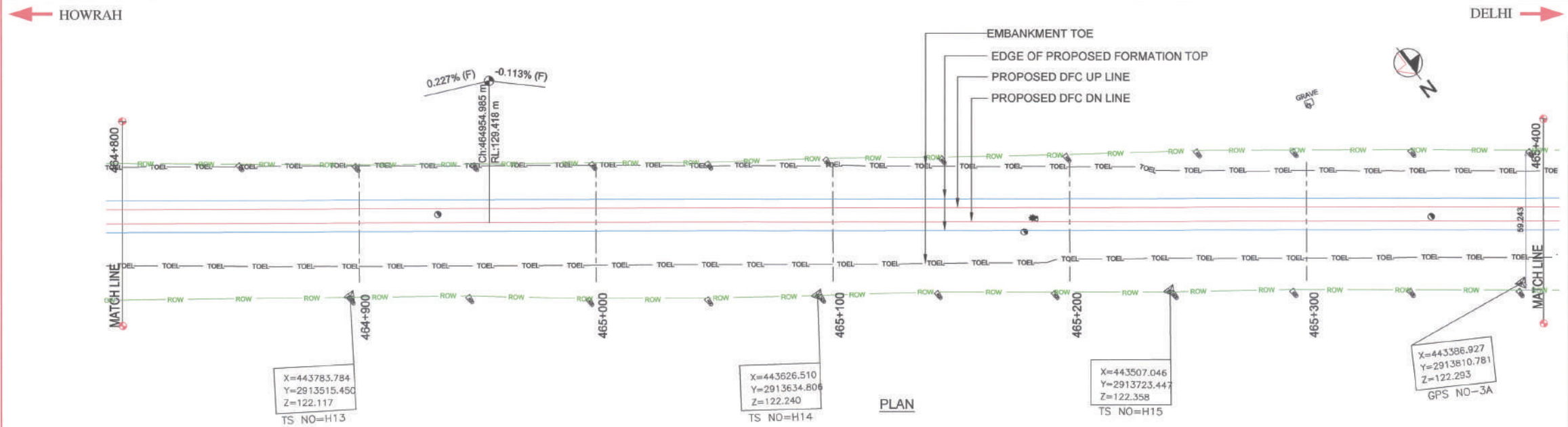
DATE	NAME	SIGN.
23.06.16	SP	
23.06.16	S.K. AICH	
SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
23.6.16	RAMPAL SAINI	
NOC BY : SYSTRA - Mott MacDonald JV		
DATE	NAME	SIGN.
27-6-16	P. AMERIKANOS	
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
05.7.16	S.K. MAURYA	

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151127_2020_PP_463+000 TO 482+000_Rw-D.mxd Nov 28, 2015 6:34pm



- 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 DFCC 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. 464+800 TO 465+400

DRAWING NO.	REV	SCALE
P 2 AL 0924	D	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
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCB/DFCC/ALT/2015/0057 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 RAJNEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.
OFFICE OF ORIGIN KOLKATA

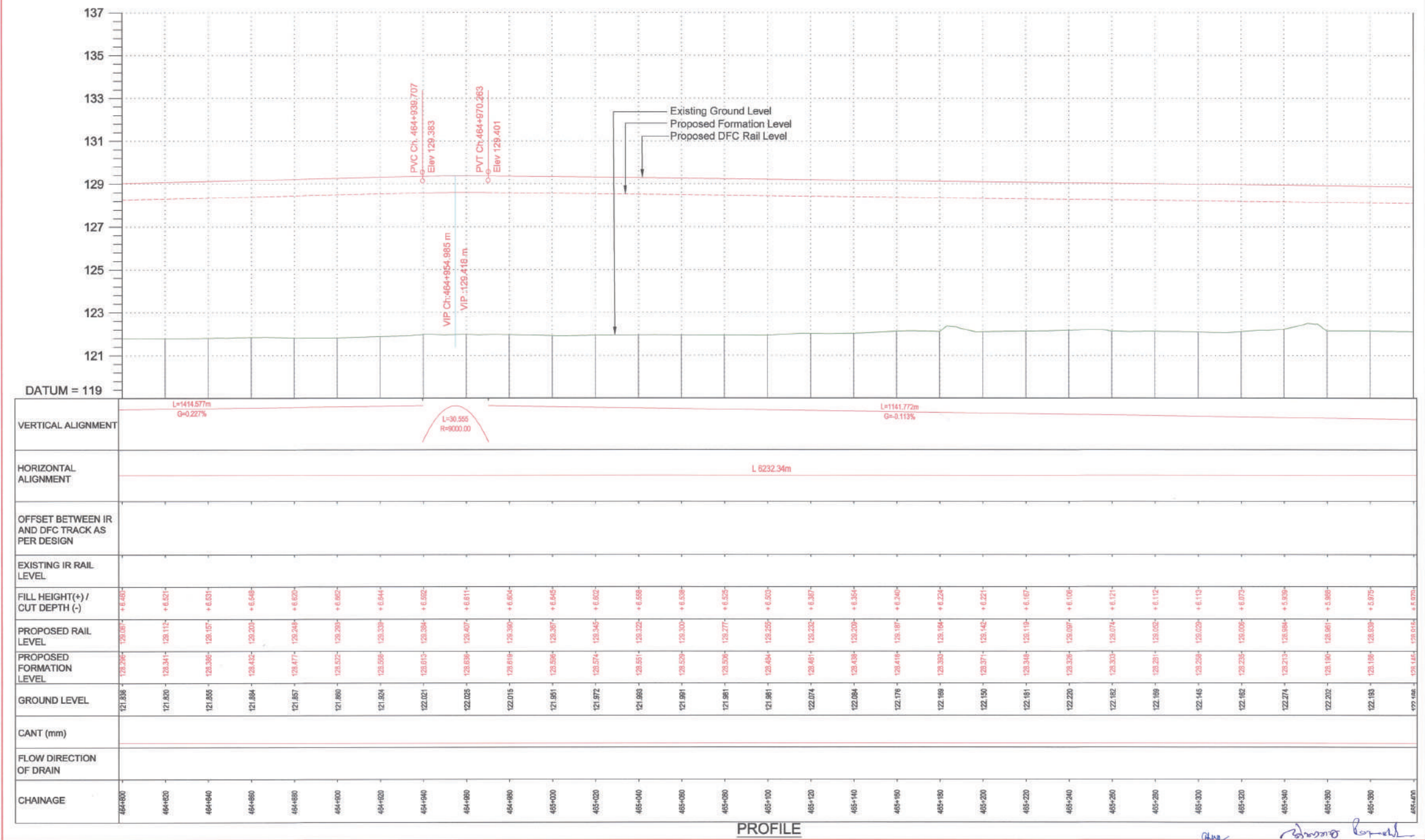
DATE	NAME	SIGN.
DRAWN	A. DAS	
CHKD.	SP	
APPD.	S.K. AICH	27.11.2015

DATE	NAME	SIGN.
SUBMITTED BY :	GIL - SIL JV	
CHKD.		
APPD.	YU	27.11.2015

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

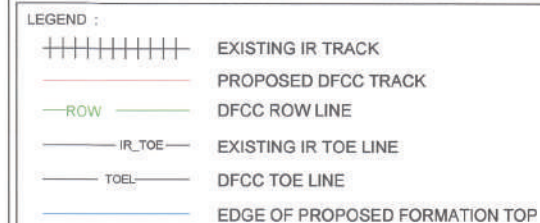
DATE	NAME	SIGN.
APPROVAL BY :	DFCC	
CHKD.		
APPD.	R. Y	02.12.2015

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PROFILE

151127_2020_PP_463+000 TO 465+400_Rev-0.dwg Nov 28, 2015 - 6:36pm



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 65 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)
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TITLE :
ALIGNMENT PLAN AND PROFILE OF SLICE - 202 D
FROM CH. 465+400 TO 466+000

DRAWING NO.					REV	SCALE
P	2	AL	0925		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/LTT/29/15/0067 DATED 23.11.2015

		DRAWING STAGE
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☒ FOR APPROVAL☐ GOOD FOR CONSTRUCTION

PMC :

[illegible]

SYSTRA  Matt MacDonald

MacDonald JV

CONTRACTOR :

GIL - SIL JV



DESIGN CONSULTANT:
STUP Consultants Pvt. Ltd.

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

[illegible]

	DATE	NAME	SIGN.
DRAWN		A. DAS	
CHKD.		SP	
APPD.	22.11.15	S. K. AICH	CE 24 27.11.2015

SUBMITTED BY : GIL - SIL JV

	DATE	NAME	SIGN.
CHKD.			
APPD.	23-11-15	YW	
CYCTRA Matt MacDonald W			

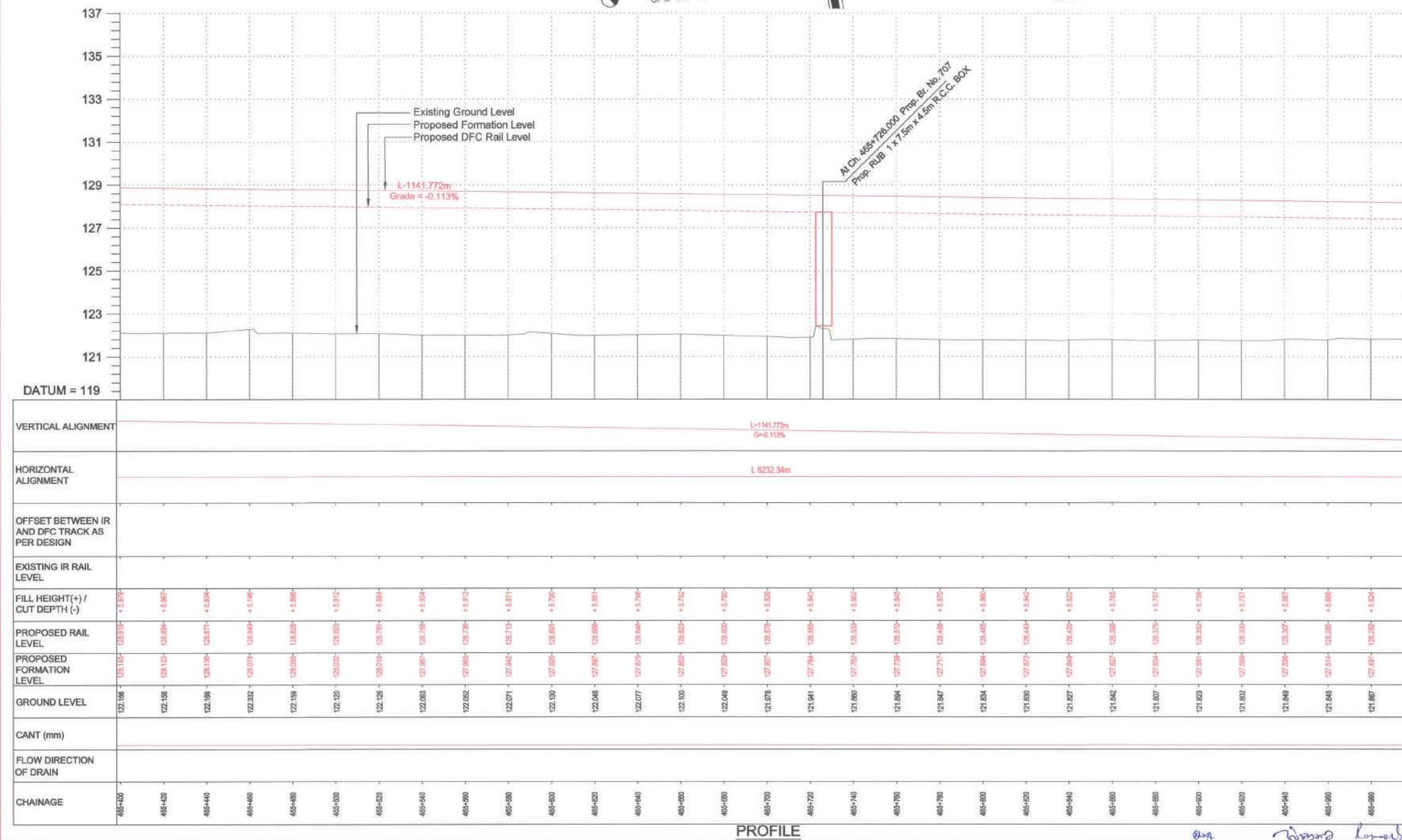
NO. BY: SYSTRA - Mott MacDonald JV

	DATE	NAME	SIGN.
CHKD.			
NOC	28-11-15	P. AMERIKANOS	

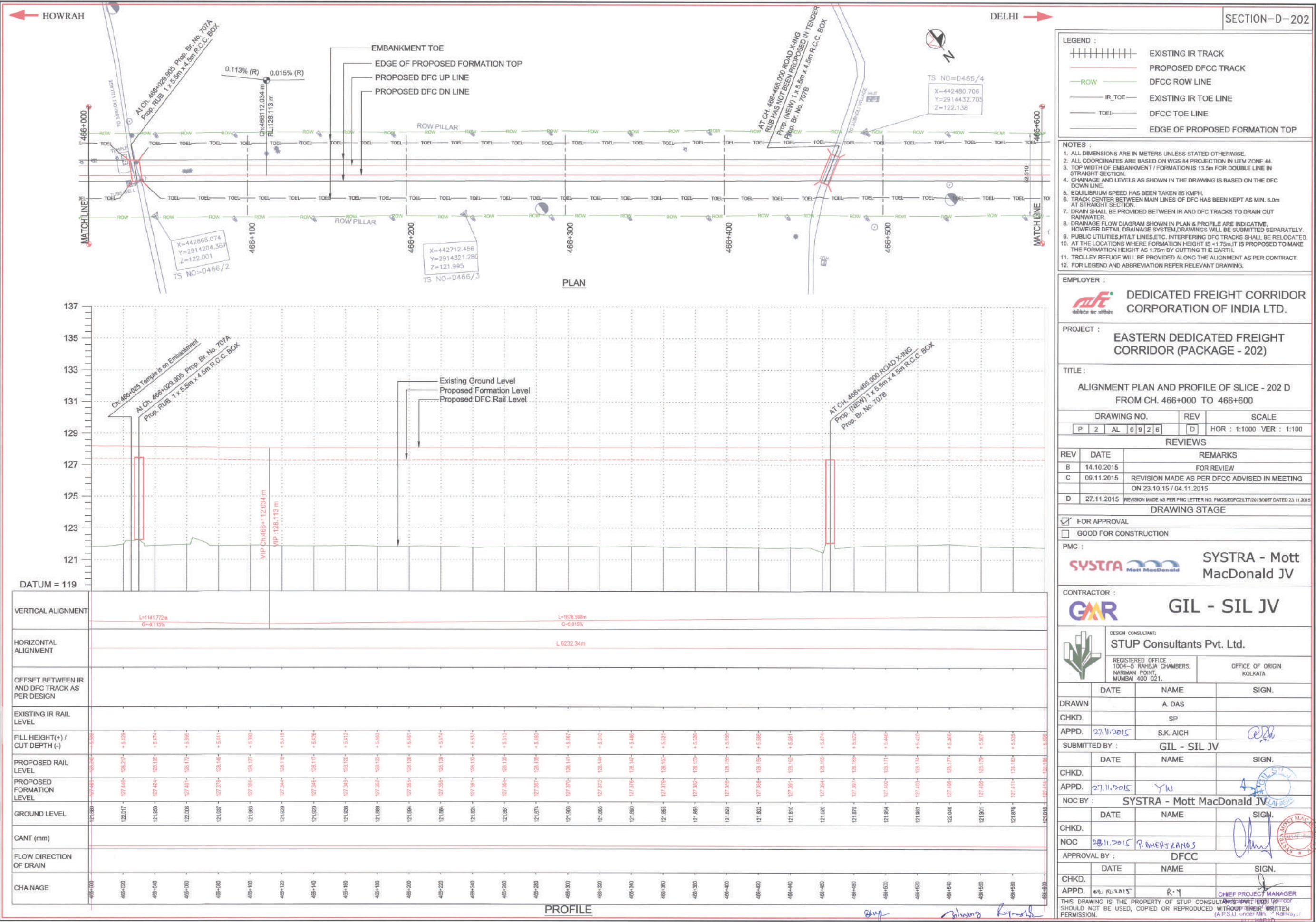
APPROVAL BY : DFCC

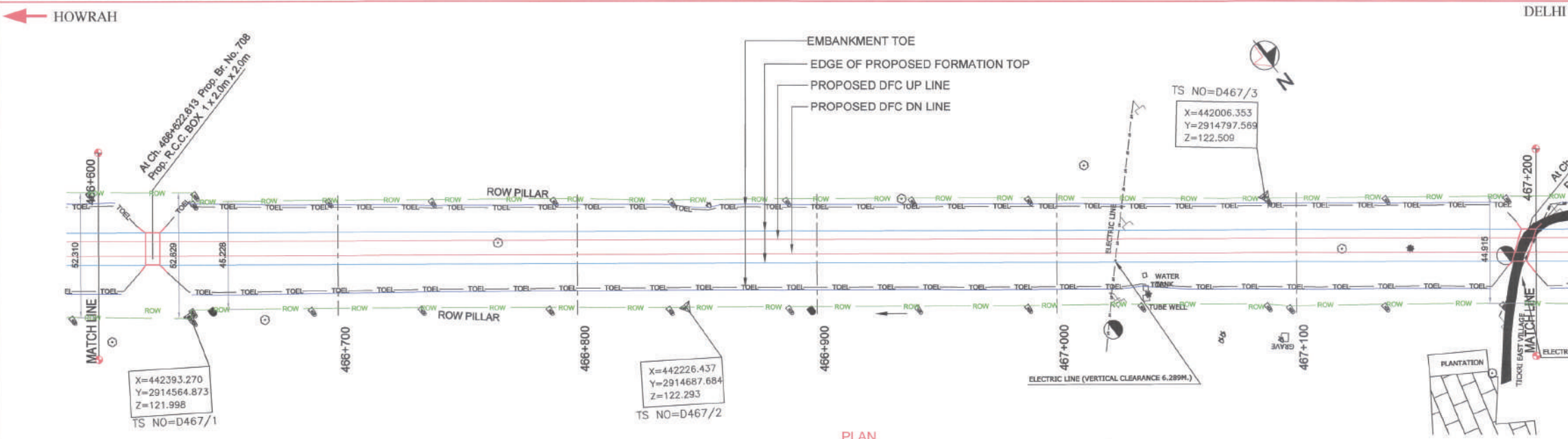
	DATE	NAME	SIGN.
CHKD.			
APPD.	02-12-2015	R. Y	CHIEF PROJECT MANAGER

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SHOULD NOT BE USED, COPIED OR REPRODUCED WITHOUT THEIR WRITTEN
PERMISSION.



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- 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 AS 85 KM/PH.
 - 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. 466+600 TO 467+200

DRAWING NO.	REV	SCALE
P 2 AL 0927	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 DFC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/LT/2015/0057 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 RAHULA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.
OFFICE OF ORIGIN : KOLKATA

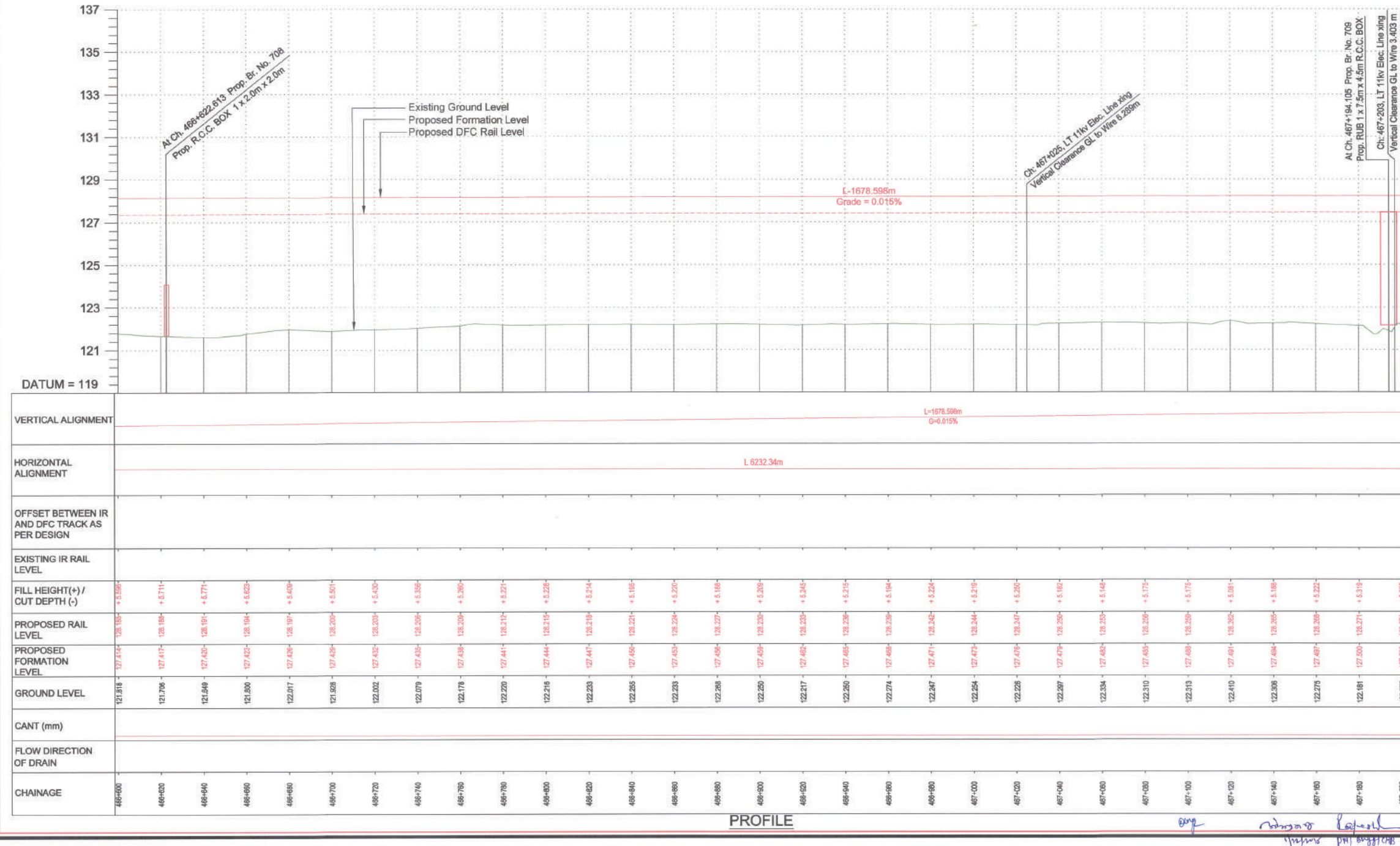
DATE	NAME	SIGN.
DRAWN	A. DAS	
CHKD.	SP	
APPD.	S.K. AICH	27.11.2015

SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
CHKD.		
APPD.	YV	27.11.2015

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

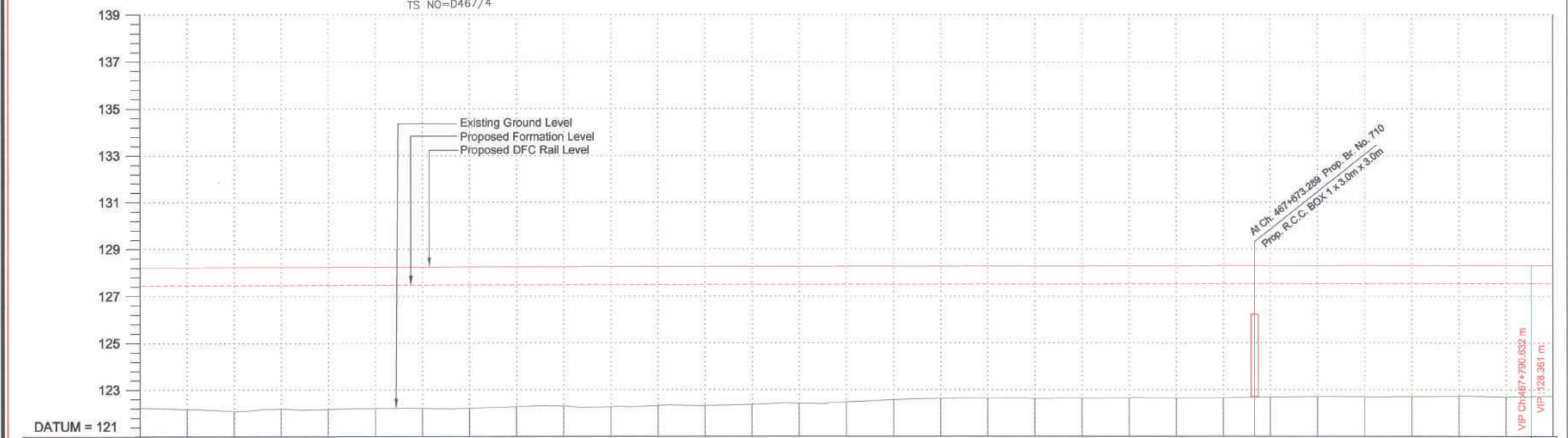
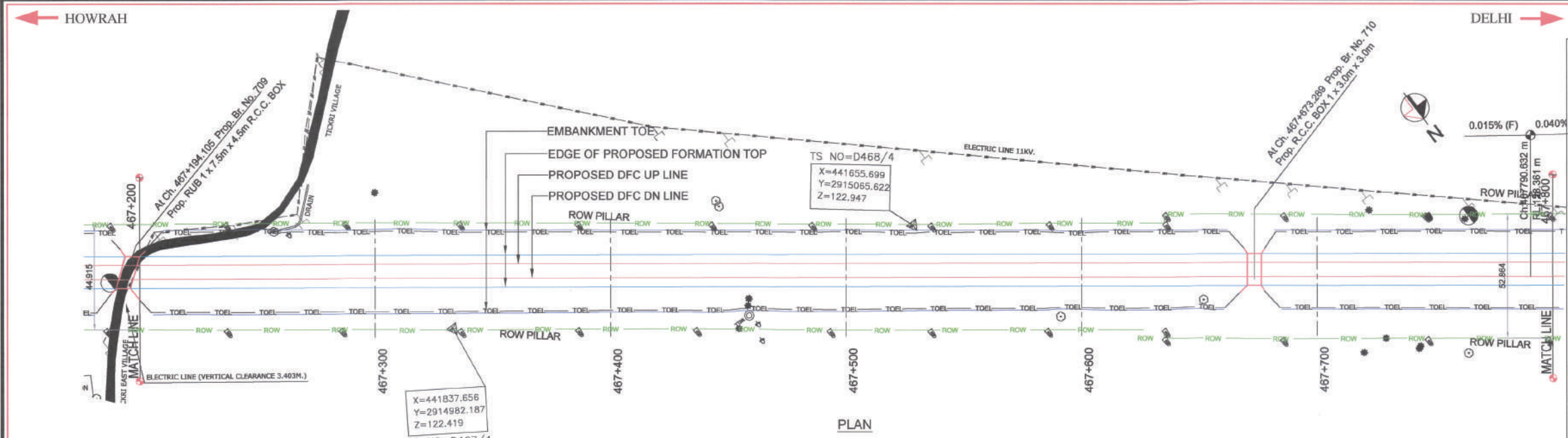
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD.	R-Y	02.12.2015

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ALLAHABAD



VERTICAL ALIGNMENT	L=1678.596m G=0.015%																		
HORIZONTAL ALIGNMENT	L=6232.34m																		
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																			
EXISTING IR RAIL LEVEL	121.818	121.708	121.849	121.800	122.017	121.928	122.002	122.079	122.178	122.220	122.216	122.233	122.255	122.233	122.258	122.220	122.217	122.250	122.274
FILL HEIGHT(+)/ CUT DEPTH (-)	+3.596	+5.711	+5.777	+5.623	+5.435	+5.501	+5.430	+5.356	+5.260	+5.271	+5.229	+5.214	+5.185	+5.270	+5.185	+5.205	+5.345	+5.215	+5.194
PROPOSED RAIL LEVEL	125.414	125.419	125.626	125.423	125.458	125.529	125.460	125.434	125.438	125.441	125.444	125.447	125.452	125.453	125.456	125.459	125.462	125.465	125.468
PROPOSED FORMATION LEVEL	127.414	127.417	127.623	127.623	127.628	127.629	127.632	127.635	127.638	127.641	127.644	127.647	127.652	127.653	127.656	127.659	127.662	127.665	127.668
GROUND LEVEL	121.818	121.708	121.849	121.800	122.017	121.928	122.002	122.079	122.178	122.220	122.216	122.233	122.255	122.233	122.258	122.220	122.217	122.250	122.274
CANT (mm)																			
FLOW DIRECTION OF DRAIN																			
CHAINAGE	466+000	466+020	466+040	466+060	466+080	466+100	466+120	466+140	466+160	466+180	466+200	466+220	466+240	466+260	466+280	466+300	466+320	466+340	466+360

151127_2020_PP_463+000 TO 467+200_Rev-D.dwg
Nov 28, 2015 - 6:38pm



VERTICAL ALIGNMENT	L=1678.59m G=0.015%																		
HORIZONTAL ALIGNMENT	L 8232.34m																		
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																			
EXISTING IR RAIL LEVEL	122.277	122.220	122.140	122.234	122.230	122.229	122.283	122.271	122.340	122.369	122.333	122.385	122.388	122.431	122.474	122.533	122.629	122.676	122.687
FILL HEIGHT(+)/ CUT DEPTH (-)	+5.226	+5.270	+5.360	+5.270	+5.265	+5.266	+5.268	+5.255	+5.167	+5.161	+5.200	+5.151	+5.156	+5.110	+5.075	+5.014	+4.921	+4.877	+4.886
PROPOSED RAIL LEVEL	127.503	127.596	127.536	127.512	127.516	127.516	127.527	127.534	127.527	127.534	127.533	127.536	127.536	127.541	127.544	127.547	127.550	127.553	127.556
PROPOSED FORMATION LEVEL	127.503	127.596	127.536	127.512	127.516	127.516	127.527	127.534	127.527	127.534	127.533	127.536	127.536	127.541	127.544	127.547	127.550	127.553	127.556
GROUND LEVEL	122.277	122.220	122.140	122.234	122.230	122.229	122.283	122.271	122.340	122.369	122.333	122.385	122.388	122.431	122.474	122.533	122.629	122.676	122.687
CANT (mm)																			
FLOW DIRECTION OF DRAIN																			
CHAINAGE	467+200	467+220	467+240	467+260	467+280	467+300	467+320	467+340	467+360	467+380	467+400	467+420	467+440	467+460	467+480	467+500	467+520	467+540	467+560

LEGEND :

- EXISTING IR TRACK
- PROPOSED DFCC TRACK
- DFCC ROW LINE
- IR TOE
- 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. 467+200 TO 467+800

DRAWING NO.	REV	SCALE
P 2 AL 0928	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/2015/00057 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-S RAHEJA CHAMBERS, NARIMAN POINT, MUMBAI 400 021.
OFFICE OF ORIGIN: KOLKATA

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

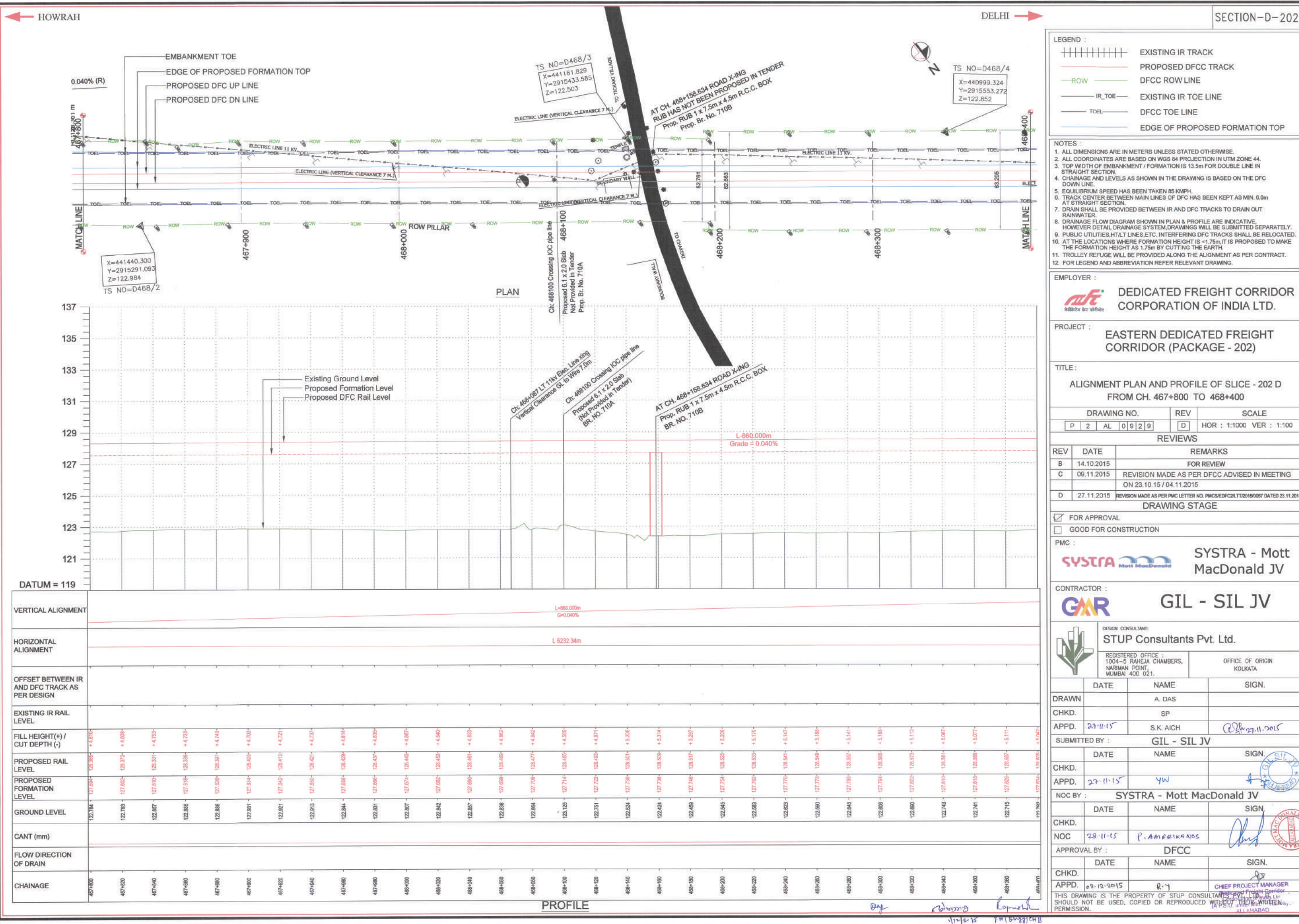
SUBMITTED BY : GIL - SIL JV		
DATE	NAME	SIGN.
CHKD.		
APPD.	YV	27.11.2015

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

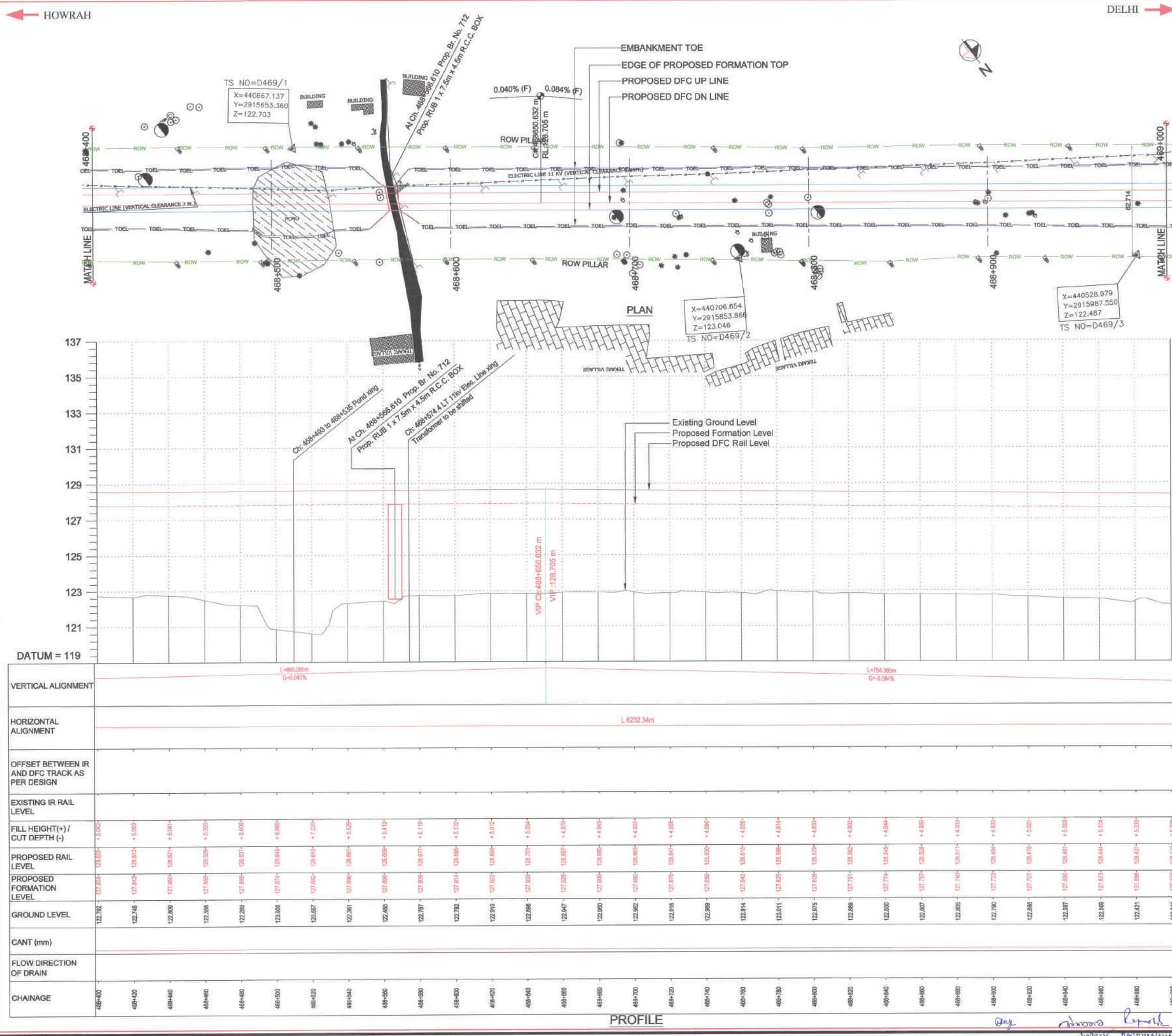
APPROVAL BY : DFCC		
DATE	NAME	SIGN.
CHKD.		
APPD.	R.Y	02.12.2015

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151127_2020_PP_482+000 To 482+000_Rev-0.dwg Nov 28, 2015 - 7:29pm



Nov 28, 2015 - 6:39pm 151127_2020_PP_463+000 TO 462+000_Prev-D.dwg



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.
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- 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. 468+000 TO 469+000

DRAWING NO.	REV	SCALE
P 2 AL 0 9 3 0	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/2015/0057 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.
	A. DAS	
	SP	
27-11-15	S.K. AICH	

SUBMITTED BY : GIL - SIL JV

DATE	NAME	SIGN.

CHKD.

APPD. 27-11-15

NOC BY : SYSTRA - Mott MacDonald JV

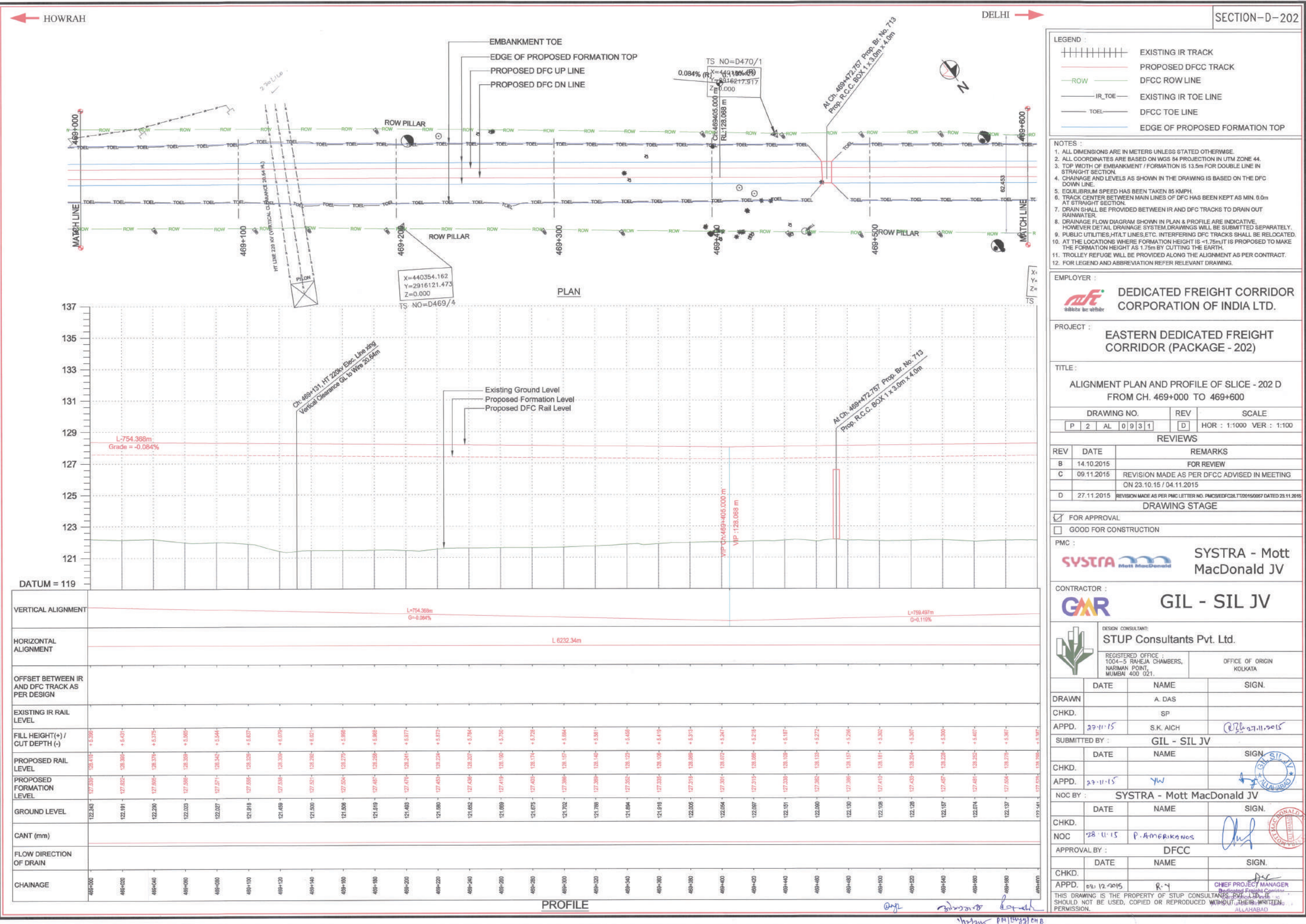
DATE	NAME	SIGN.
28-11-15	P. AMERINAKOS	

APPROVAL BY : DFCC

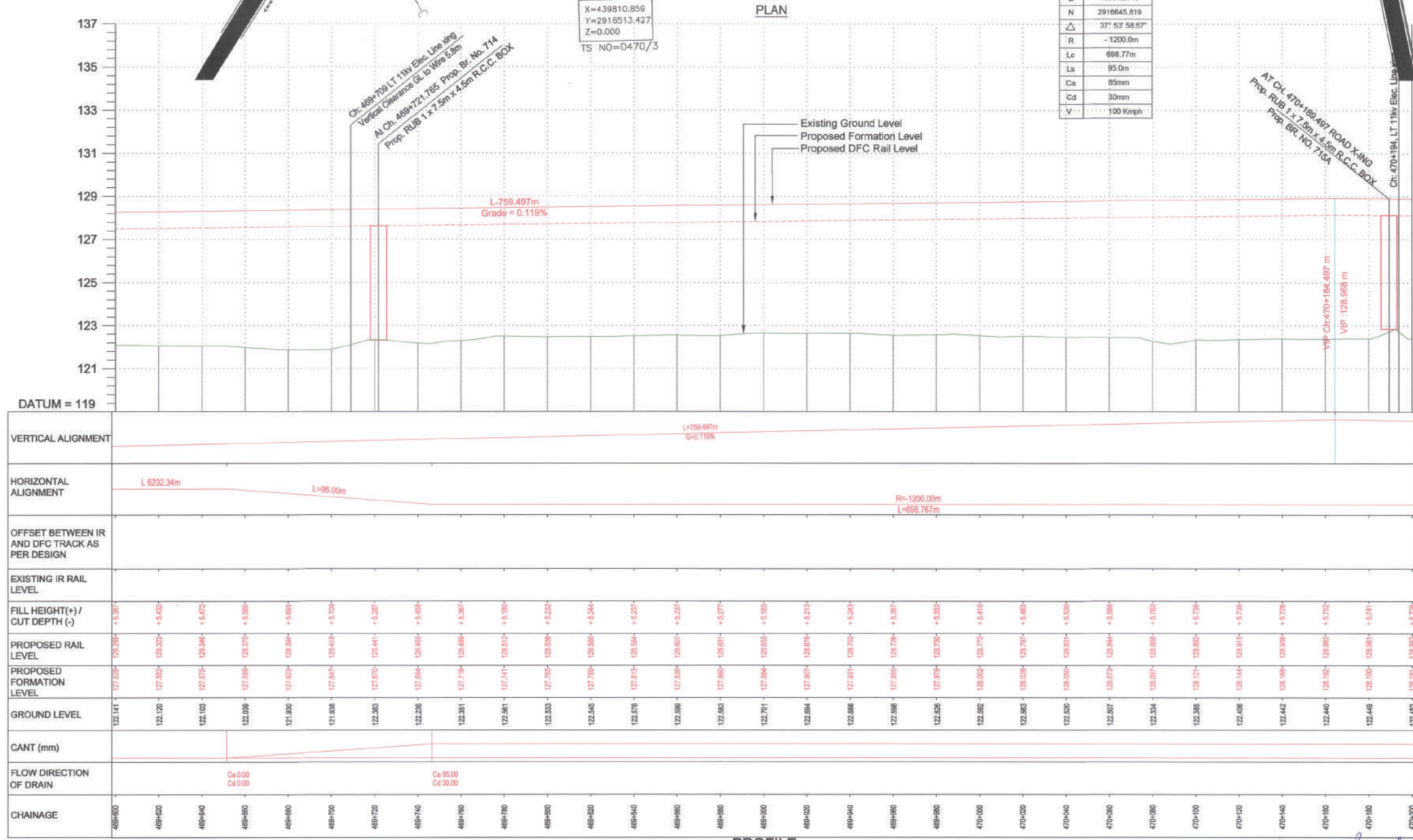
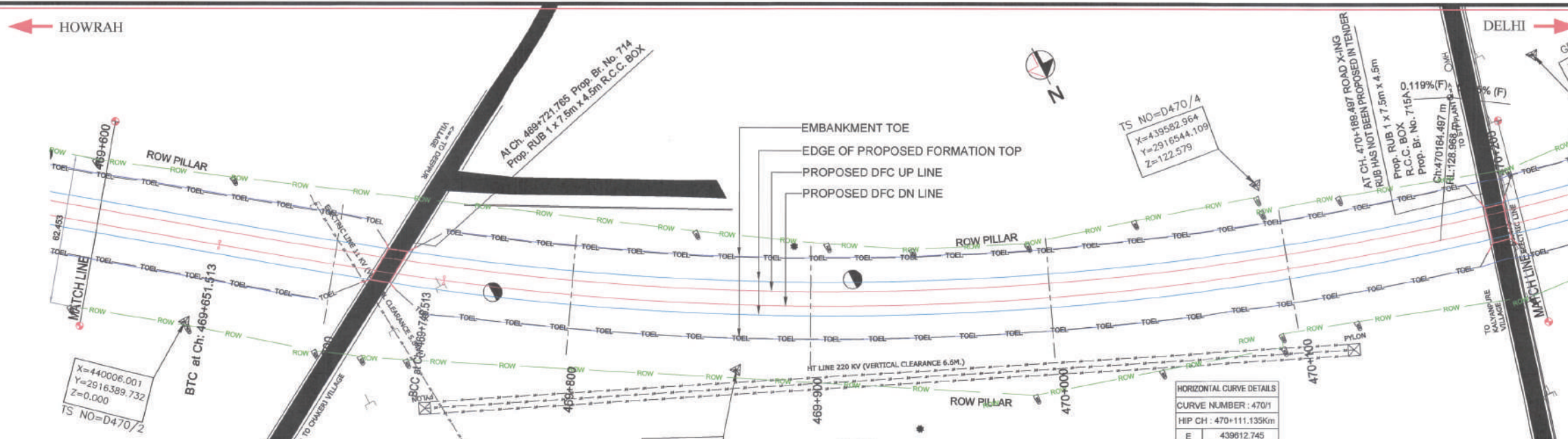
DATE	NAME	SIGN.
09-12-2015	R. Y	

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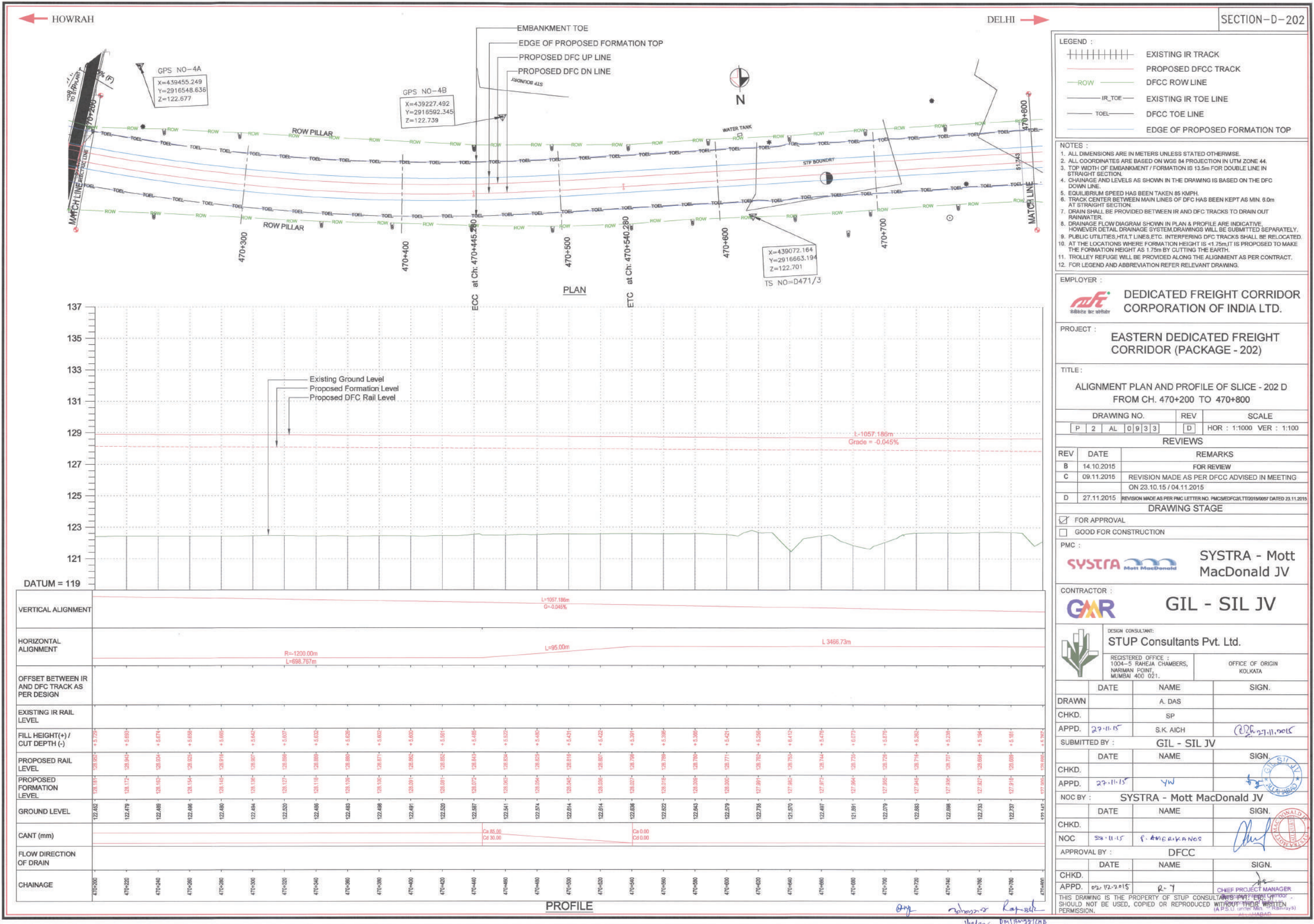
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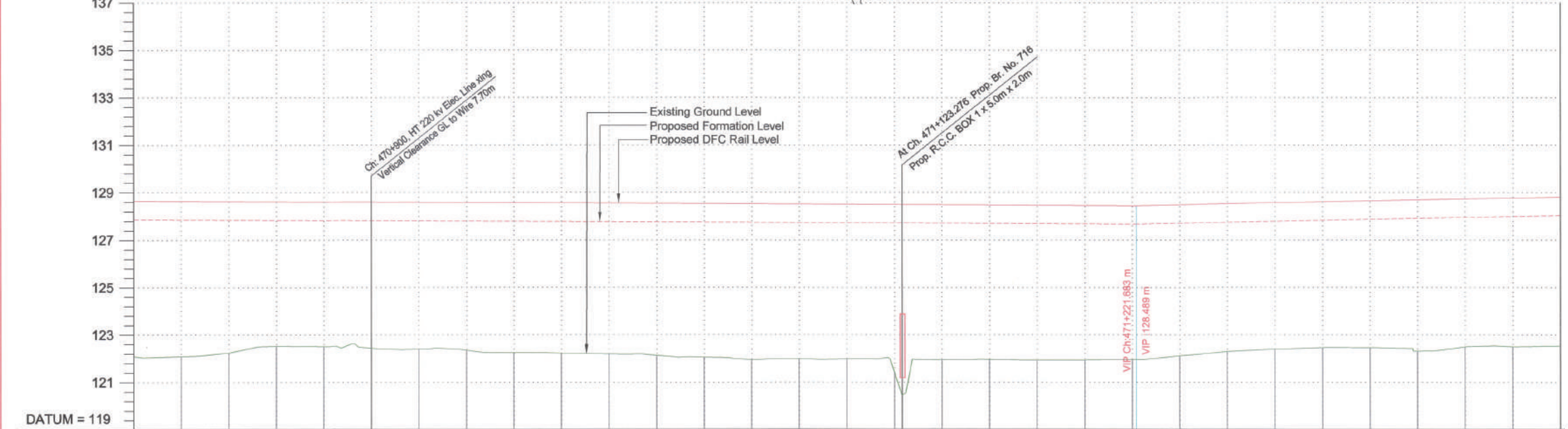
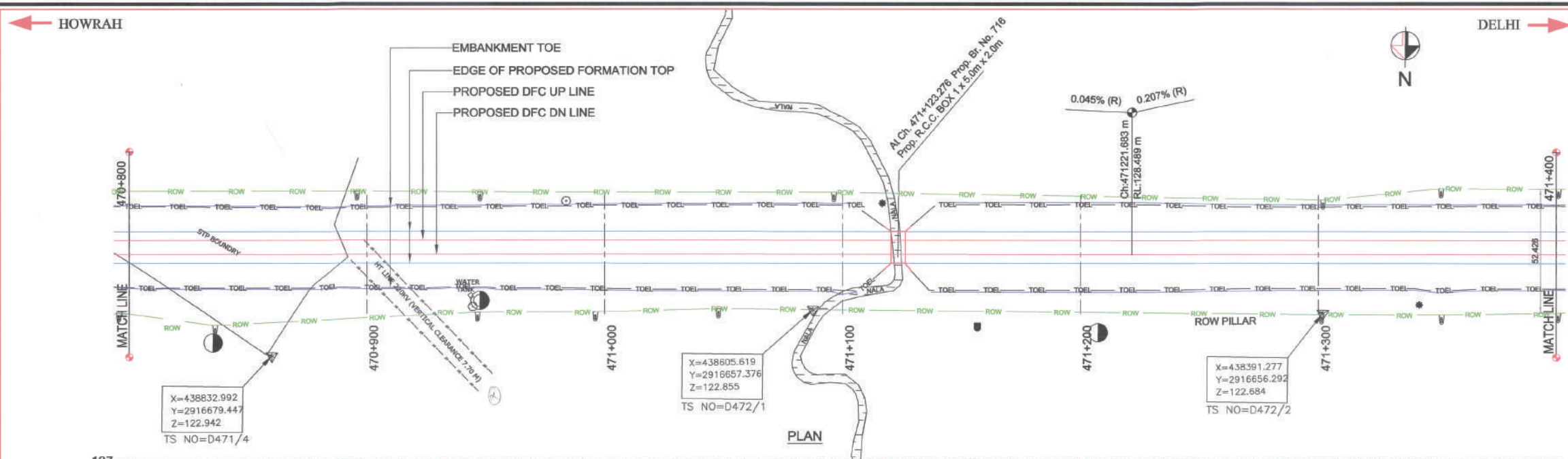


151127_202D_PP_469+000 TO 469+600_Rev-D.dwg Nov 28, 2015 - 6:40pm



151127_2020_PP_463+000 TO 482+000_Rev-0.dwg Nov 28, 2015 - 6:41pm





VERTICAL ALIGNMENT	L=1057.189m G=-0.045%																			
HORIZONTAL ALIGNMENT	L=3466.73m																			
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																				
EXISTING IR RAIL LEVEL	121.142	121.145	121.290	121.261	121.263	121.268	121.263	121.264	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263
FILL HEIGHT(+)/ CUT DEPTH (-)	+0.767	+0.755	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695	+0.695
PROPOSED RAIL LEVEL	121.909	121.902	121.981	121.952	121.957	121.962	121.957	121.958	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957
PROPOSED FORMATION LEVEL	121.909	121.902	121.981	121.952	121.957	121.962	121.957	121.958	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957	121.957
GROUND LEVEL	121.142	121.145	121.290	121.261	121.263	121.268	121.263	121.264	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263	121.263
CANT (mm)																				
FLOW DIRECTION OF DRAIN																				
CHAINAGE	470+800	470+820	470+840	470+860	470+880	470+900	470+920	470+940	470+960	470+980	471+000	471+020	471+040	471+060	471+080	471+100	471+120	471+140	471+160	471+180

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 AS 85 KM/PH.
- 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. 470+800 TO 471+400

DRAWING NO.	REV	SCALE
P 2 AL 0934	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 DFC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/DFCC/2015/0057 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.
	A. DAS	
	SP	
27.11.15	S.K. AICH	

SUBMITTED BY : GIL - SIL JV

DATE	NAME	SIGN.
27.11.15	YV	

NOC BY : SYSTRA - Mott MacDonald JV

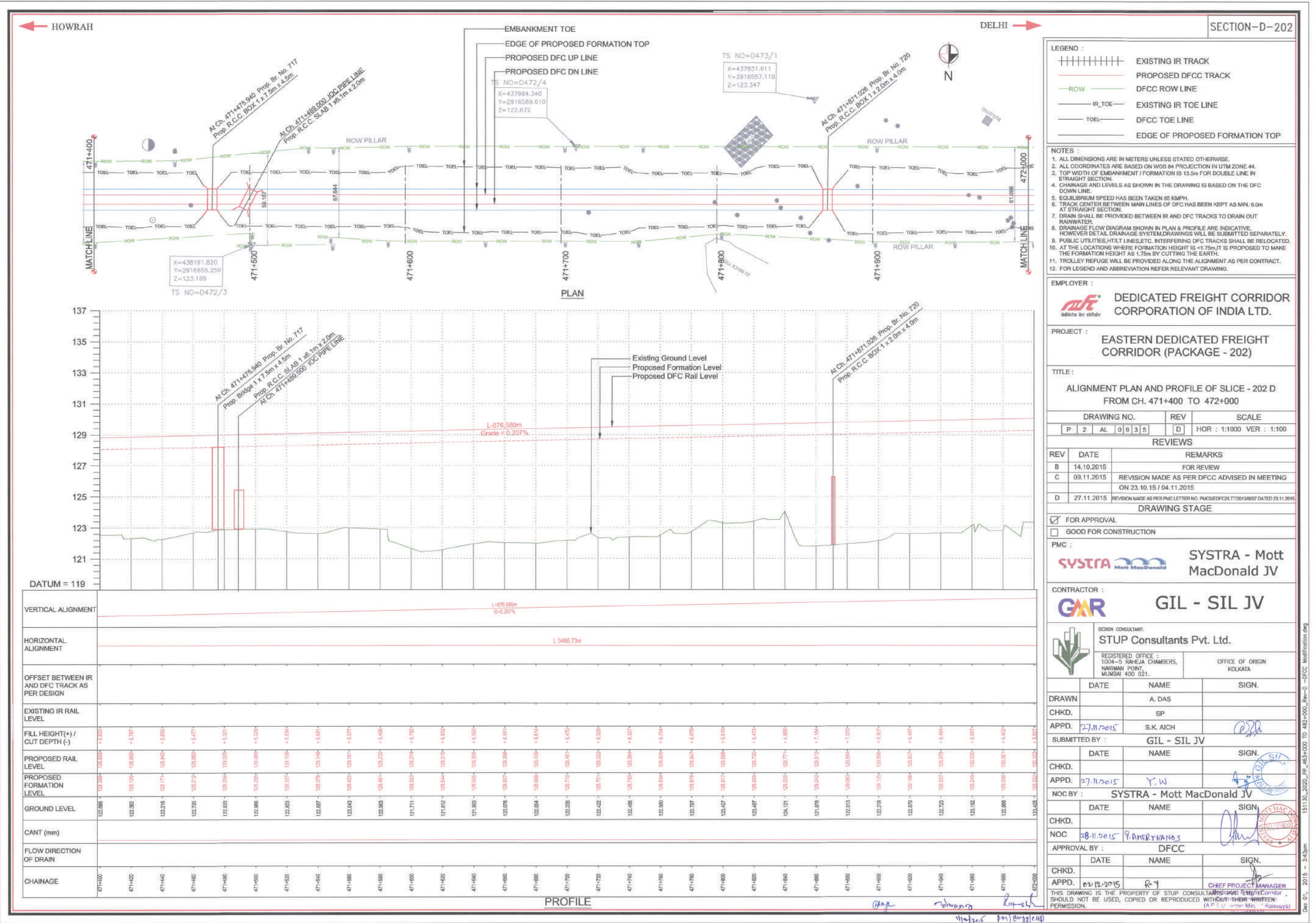
DATE	NAME	SIGN.
28.11.15	P. AMERIKANOS	

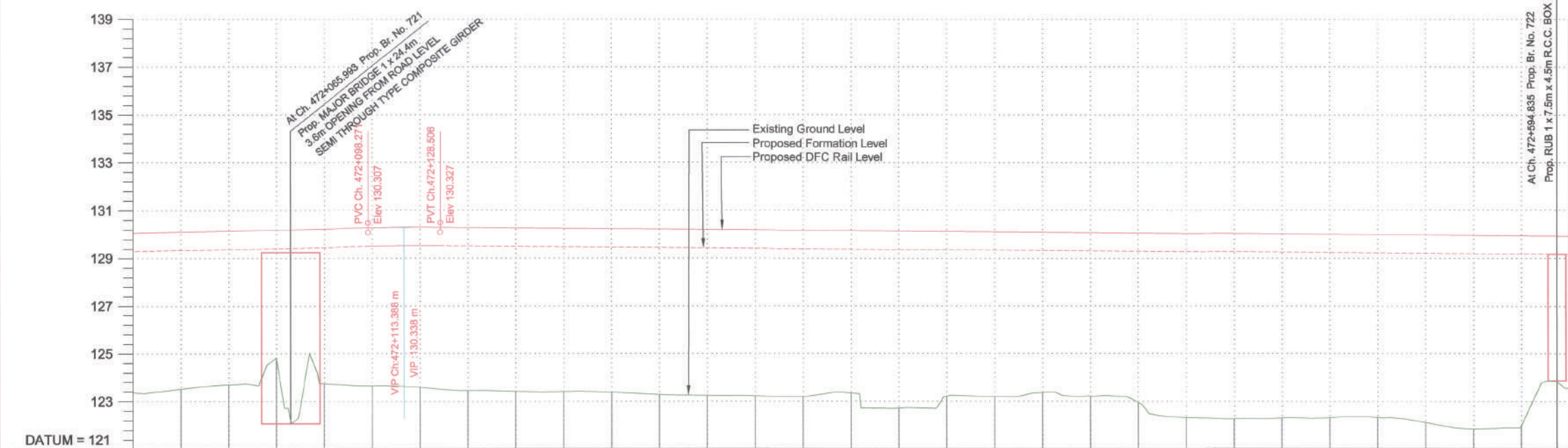
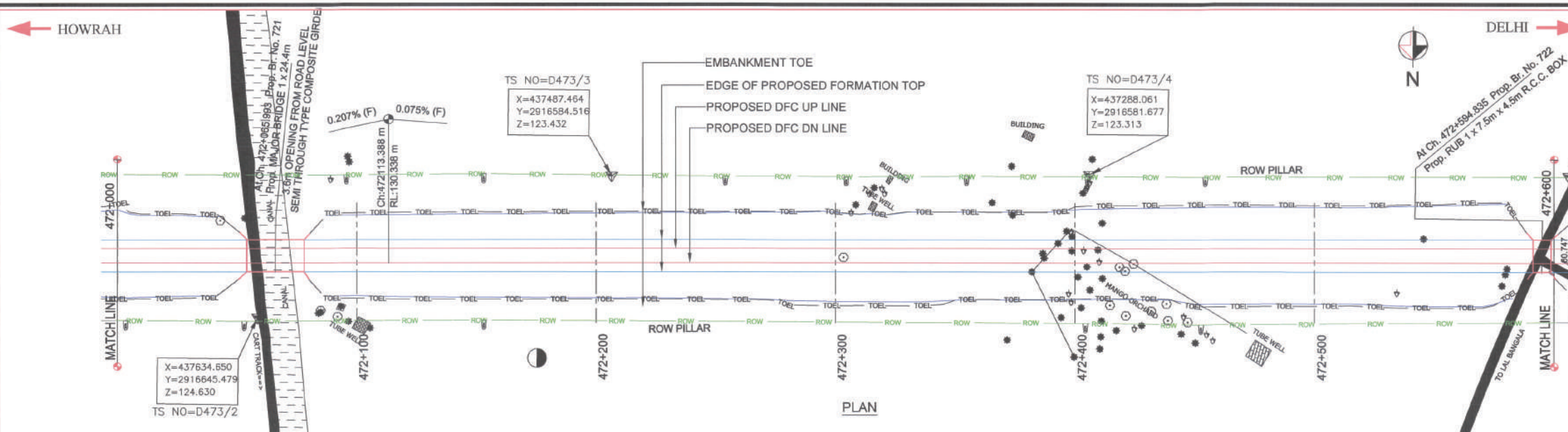
APPROVAL BY : DFCC

DATE	NAME	SIGN.
02.12.2015	R.Y	

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151127_2020_PP_463-000 TO 482+000_Ren-D.dwg Nov 28, 2015 - 6:42pm





VERTICAL ALIGNMENT	L=876.589m G=-0.207%	L=30.234 R=10700.00	L=1741.102m G=-0.075%
HORIZONTAL ALIGNMENT	L=3466.73m		
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN			
EXISTING IR RAIL LEVEL	123.805	123.805	123.805
FILL HEIGHT(+)/ CUT DEPTH (-)	+5.827	+5.805	+5.865
PROPOSED RAIL LEVEL	129.632	129.632	129.632
PROPOSED FORMATION LEVEL	129.632	129.632	129.632
GROUND LEVEL	123.805	123.805	123.805
CANT (mm)			
FLOW DIRECTION OF DRAIN			
CHAINAGE	472+000	472+020	472+040

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 85 KM/HR.

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. 472+000 TO 472+600

DRAWING NO.

REV

SCALE

REV

DATE

REMARKS

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

CHKD.

APPD.

SUBMITTED BY :

GIL - SIL JV

DATE

NAME

SIGN.

CHKD.

APPD.

NOC BY :

SYSTRA - Mott MacDonald JV

DATE

NAME

SIGN.

CHKD.

APPD.

APPROVAL BY :

DFCC

DATE

NAME

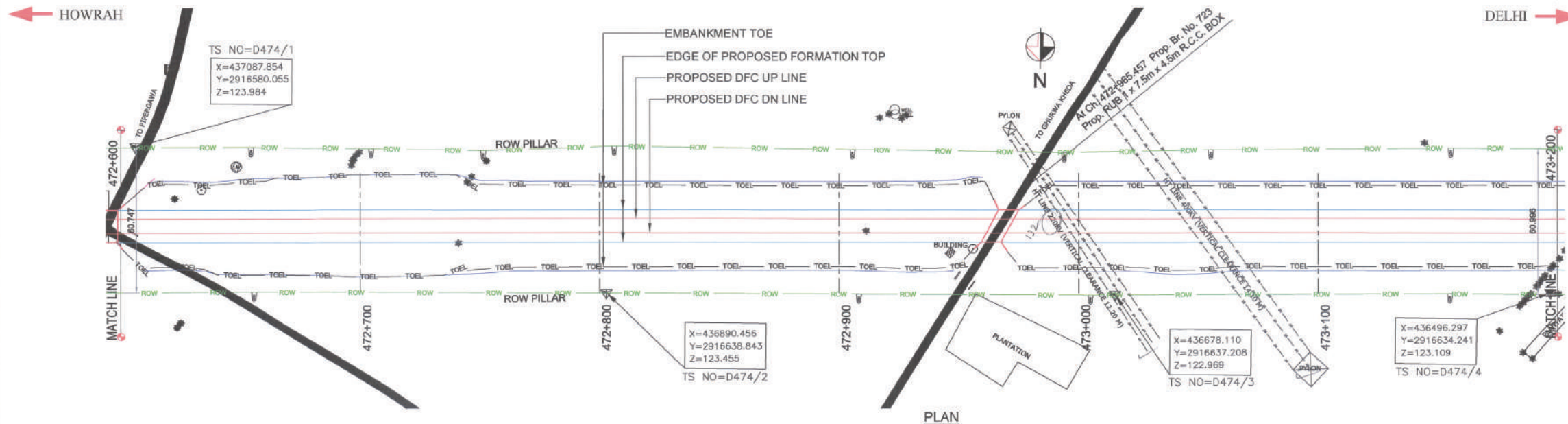
SIGN.

CHKD.

APPD.

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151127_2020_PP_463+000 TO 463+000_Rer-D.dwg
Nov 28, 2015 - 6:43pm



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/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. 472+600 TO 473+200

DRAWING NO.	REV	SCALE
P 2 AL 0937	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 DFC ADVISED IN MEETING ON 23.10.15 / 04.11.2015
D	27.11.2015	REVISION MADE AS PER PMC LETTER NO. PMCS/EDFC/ALT/2015/0057 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

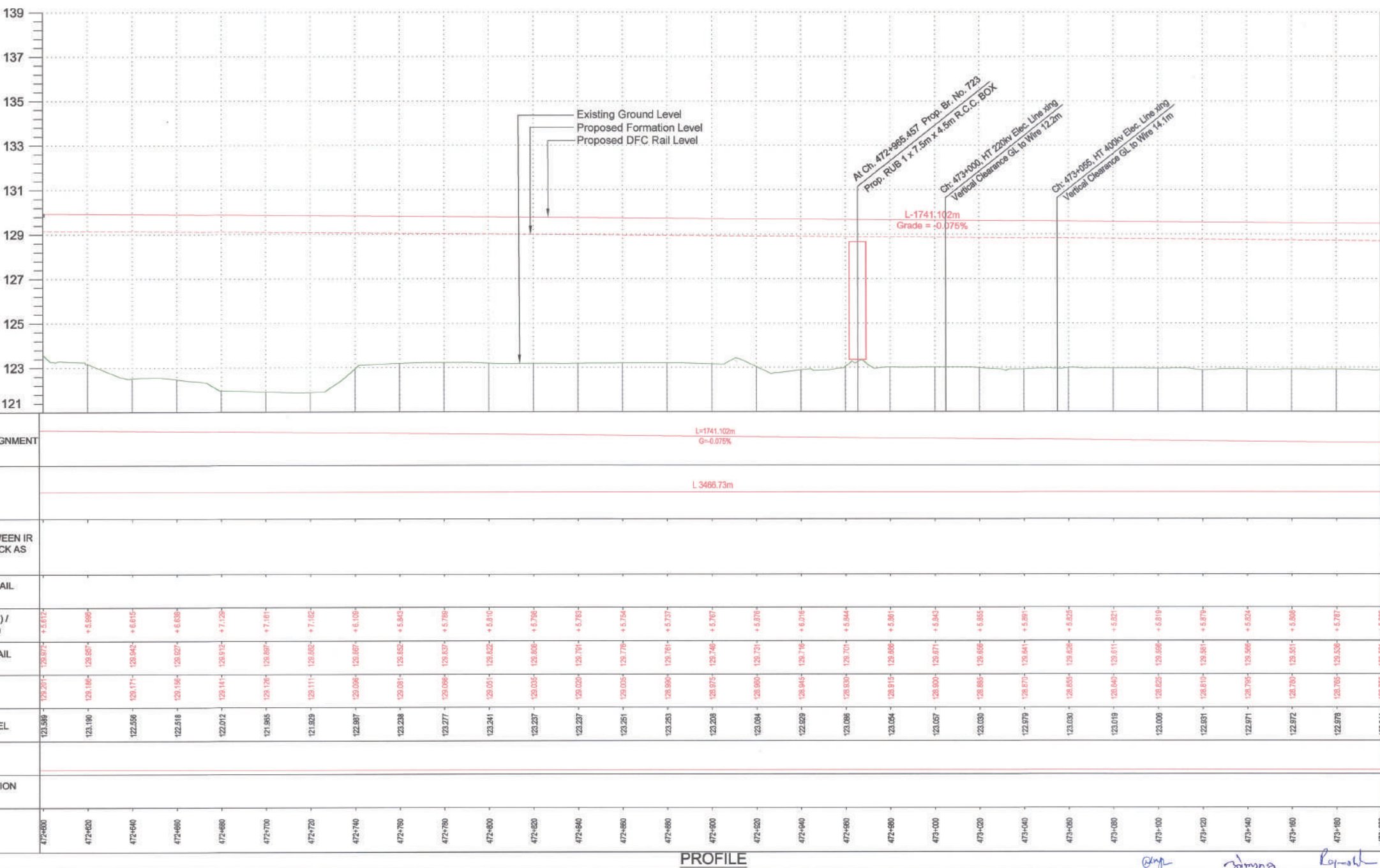
DATE	NAME	SIGN.
DRAWN	A. DAS	
CHKD.	SP	
APPD.	S.K. AICH	

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	

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VERTICAL ALIGNMENT	L=1741.102m G=-0.076%																		
HORIZONTAL ALIGNMENT	L 3466.73m																		
OFFSET BETWEEN IR AND DFC TRACK AS PER DESIGN																			
EXISTING IR RAIL LEVEL	123.589	123.190	122.556	122.518	122.012	121.865	121.829	122.387	123.238	123.277	123.341	123.237	123.237	123.251	123.253	123.238	123.084	122.829	123.088
FILL HEIGHT(+)/ CUT DEPTH (-)	+5.617	+5.989	+6.615	+6.639	+7.129	+7.161	+7.162	+6.109	+5.940	+5.799	+5.910	+5.796	+5.785	+5.754	+5.737	+5.707	+5.676	+5.616	+5.944
PROPOSED RAIL LEVEL	129.207	129.185	129.171	129.166	129.141	129.126	129.111	129.096	129.081	129.066	129.051	129.036	129.021	129.006	128.991	128.976	128.961	128.946	128.931
PROPOSED FORMATION LEVEL	129.207	129.185	129.171	129.166	129.141	129.126	129.111	129.096	129.081	129.066	129.051	129.036	129.021	129.006	128.991	128.976	128.961	128.946	128.931
GROUND LEVEL	123.589	123.190	122.556	122.518	122.012	121.865	121.829	122.387	123.238	123.277	123.341	123.237	123.237	123.251	123.253	123.238	123.084	122.829	123.088
CANT (mm)																			
FLOW DIRECTION OF DRAIN																			
CHAINAGE	472+600	472+620	472+640	472+660	472+680	472+700	472+720	472+740	472+760	472+780	472+800	472+820	472+840	472+860	472+880	472+900	472+920	472+940	472+960

PROFILE

151127_2020_PP_463+000 TO 482+000_Rev-0.dwg Nov 28, 2015 - 6:45pm