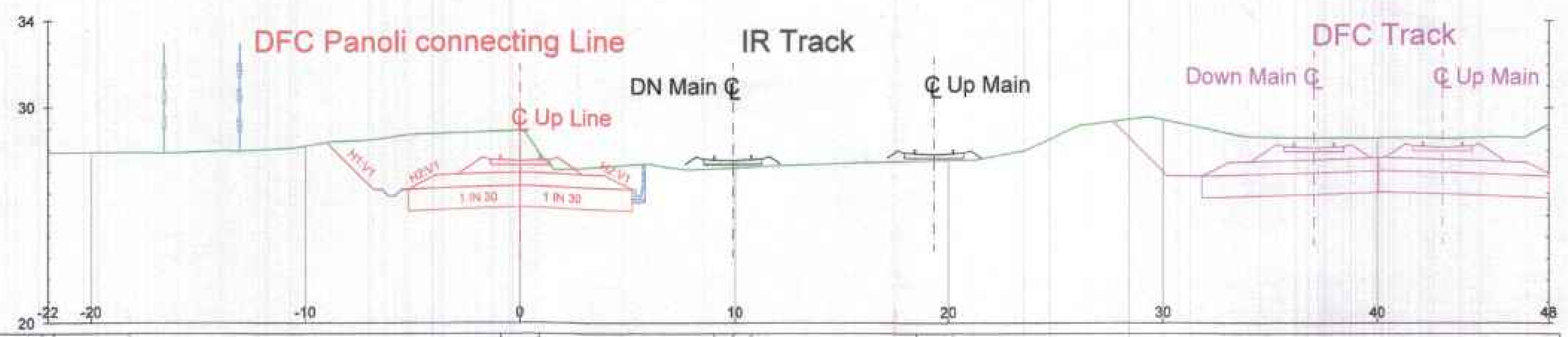
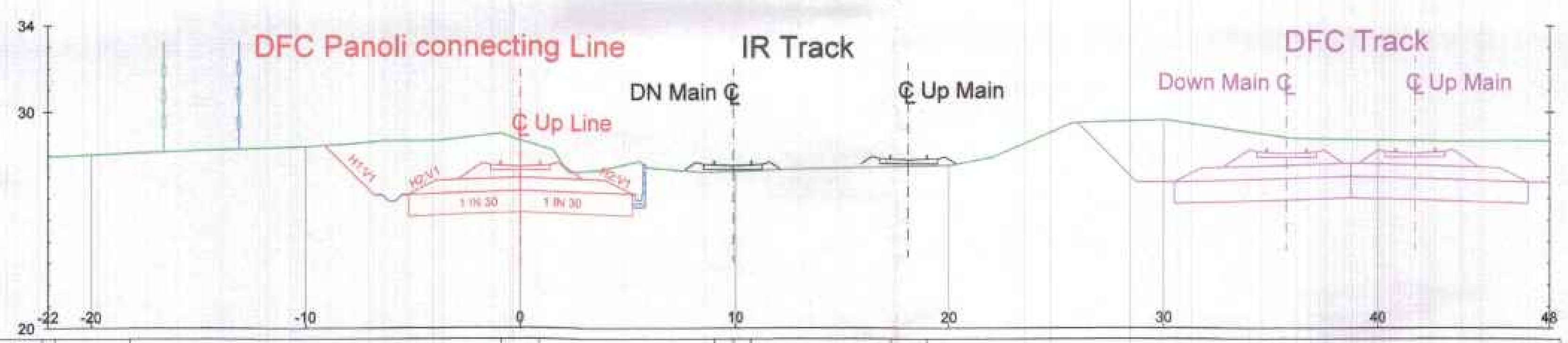


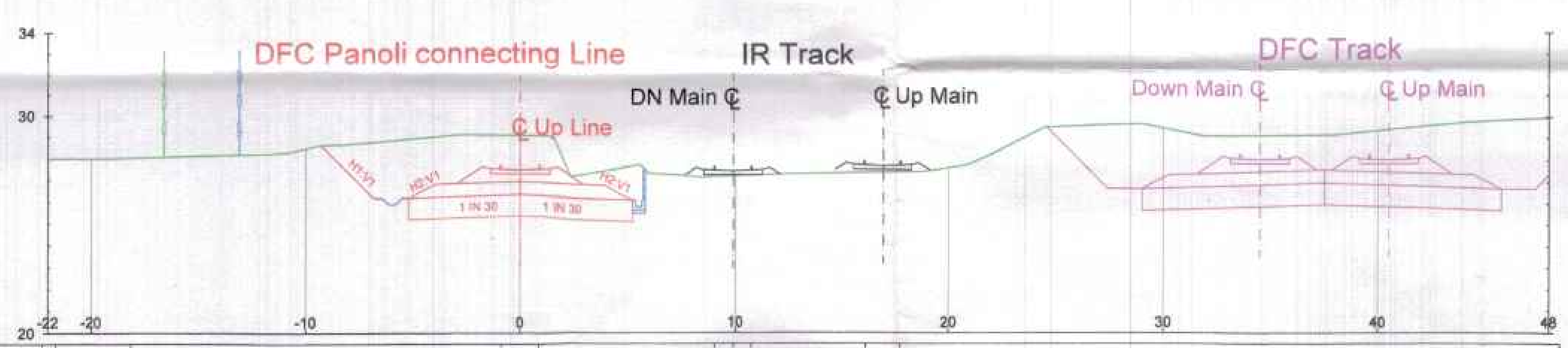
Prop. RL / Ex. RL	27.902, 27.889, 27.717, 27.717, 27.749, 27.079, 27.759, 28.040, 28.040
Prop. FL	28.377, 26.201, 26.844, 26.975, 26.844, 26.201, 27.130
Ground Level	27.903, 27.942, 28.074, 28.215, 28.373, 28.615, 28.762, 28.788, 28.901, 27.252, 27.343, 27.127, 27.388, 27.554, 28.664
Offset	-21.716, -20.000, -18.216, -14.587, -11.216, -9.930, -9.017, -6.000, -3.930, -3.000, -0.000, 3.930, 5.216, 7.771, 9.034, 9.906, 10.779, 15.000, 18.524, 20.000, 25.000, 37.037, 43.051

Chainage 57+300.000



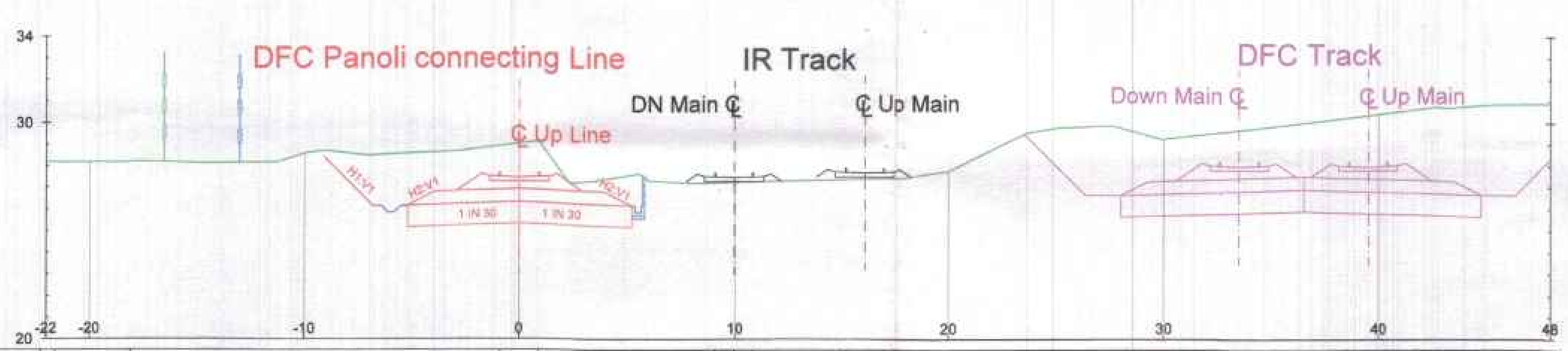
Prop. RL / Ex. RL	27.978, 28.103, 27.705, 27.705, 27.718, 27.048, 27.722, 27.984, 27.982
Prop. FL	28.468, 26.189, 26.832, 26.953, 26.832, 26.189, 27.252
Ground Level	28.032, 28.232, 28.358, 28.402, 28.466, 28.690, 28.680, 28.763, 28.687, 27.335, 27.623, 27.249, 27.391, 27.531, 29.180
Offset	-21.875, -20.000, -18.175, -14.888, -11.216, -9.930, -9.122, -6.000, -3.930, -3.000, -0.000, 3.930, 5.216, 7.905, 9.023, 9.887, 10.750, 15.000, 17.259, 18.973, 20.000, 25.000, 35.725, 41.738

Chainage 57+320.000



Prop. RL / Ex. RL	28.011, 28.017, 27.694, 27.694, 27.695, 27.024, 27.695, 27.953, 27.933
Prop. FL	28.616, 26.178, 26.821, 26.952, 26.821, 26.178, 27.257
Ground Level	28.001, 28.126, 28.256, 28.489, 28.614, 28.844, 29.016, 29.093, 29.080, 27.492, 27.715, 27.255, 27.389, 27.643, 29.529
Offset	-21.633, -20.000, -18.133, -14.794, -11.216, -9.930, -9.281, -6.000, -3.930, -3.000, -0.000, 3.930, 5.216, 7.922, 9.037, 9.901, 10.764, 15.000, 16.071, 17.775, 20.000, 25.000, 34.520, 40.531

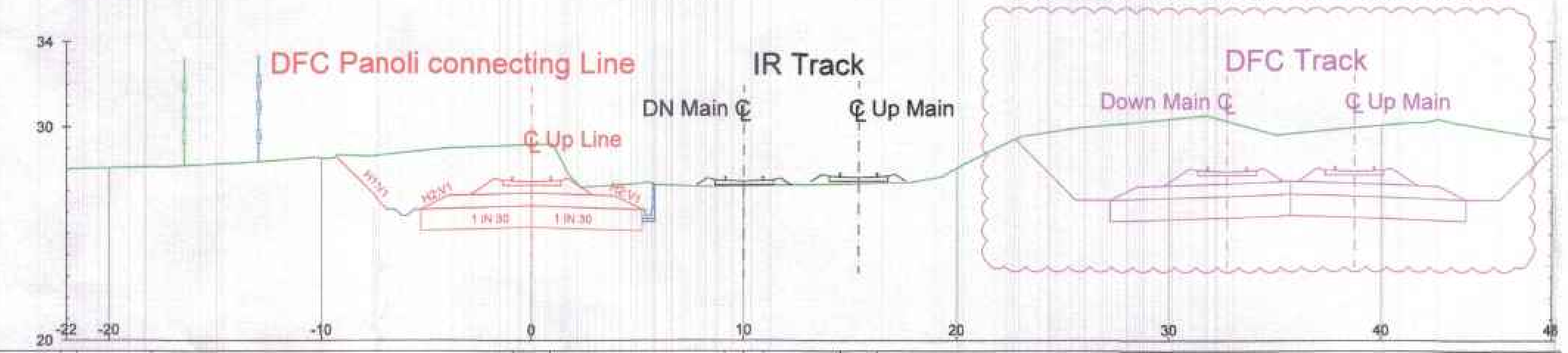
Chainage 57+340.000



Prop. RL / Ex. RL	28.186, 28.174, 27.682, 27.682, 27.680, 27.010, 27.683, 27.916, 27.895
Prop. FL	28.683, 26.166, 26.809, 26.940, 26.809, 26.166, 27.225
Ground Level	28.173, 28.130, 28.200, 28.603, 28.680, 28.555, 28.636, 28.673, 29.034, 27.378, 27.586, 27.225, 27.372, 27.773, 29.774
Offset	-21.578, -20.000, -18.078, -14.809, -11.216, -9.930, -9.359, -6.000, -3.930, -3.000, 0.000, 3.930, 5.216, 7.904, 9.081, 9.962, 10.842, 15.000, 16.920, 20.000, 25.000, 33.515, 39.524

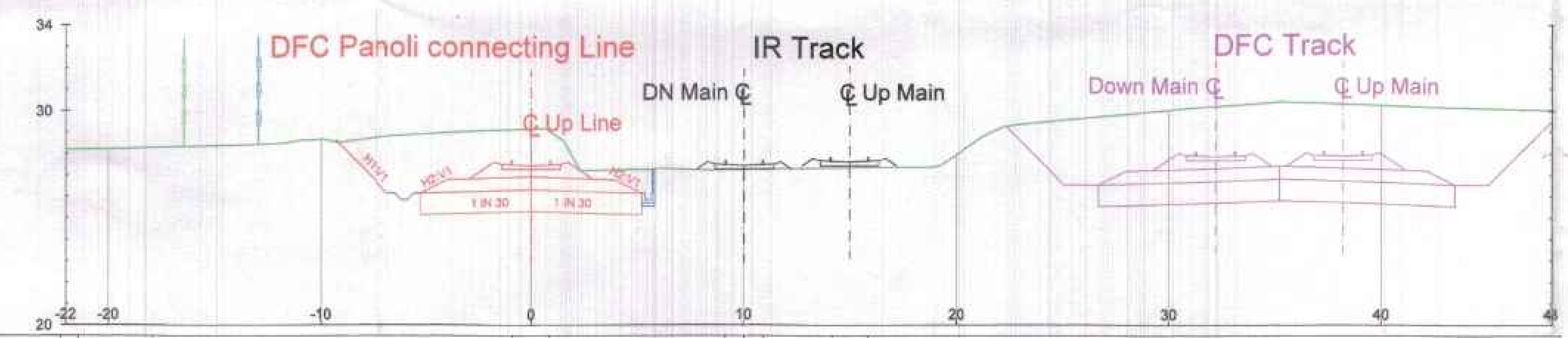
Chainage 57+360.000

PLEASE REFER ** LEGENDS & ABBREVIATION



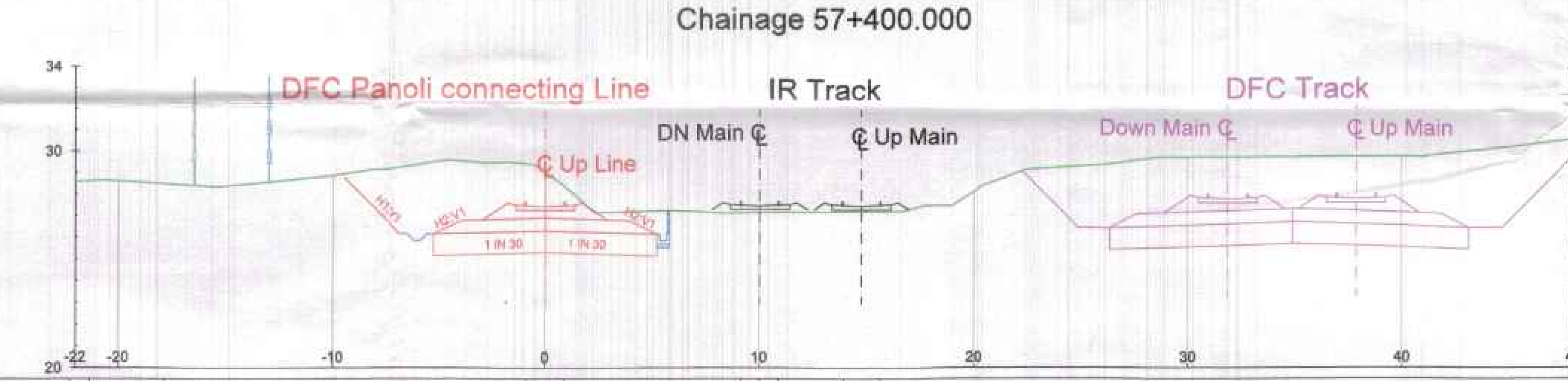
Prop. RL / Ex. RL	28.045, 28.140, 27.670, 27.670, 27.665, 26.995, 27.672, 27.878, 27.863
Prop. FL	28.640, 26.154, 26.797, 26.928, 26.797, 26.154, 27.239
Ground Level	28.086, 28.282, 28.531, 28.563, 28.624, 28.807, 29.033, 29.071, 29.192, 27.300, 27.385, 27.215, 27.388, 28.094, 29.852
Offset	-21.498, -20.000, -17.998, -14.973, -11.216, -9.930, -9.315, -6.000, -3.930, -3.000, -0.000, 3.930, 5.216, 7.928, 9.125, 10.020, 10.915, 14.565, 15.000, 16.295, 20.000, 25.000, 32.740, 38.746

Chainage 57+380.000



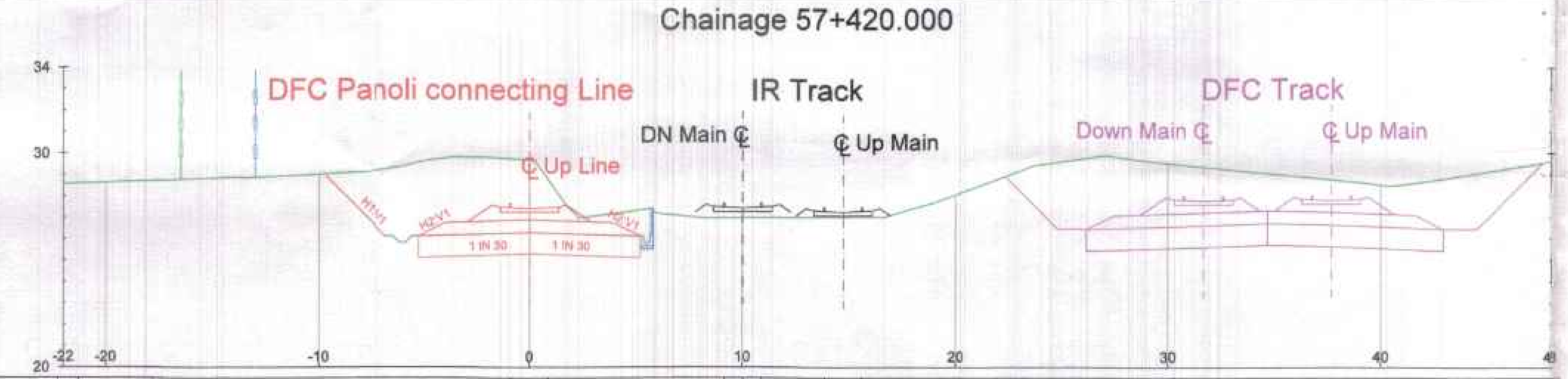
Prop. RL / Ex. RL	28.196, 28.285, 27.658, 27.658, 27.659, 26.989, 27.667, 27.847, 27.828
Prop. FL	28.522, 26.143, 26.785, 26.916, 26.785, 26.143, 27.260
Ground Level	28.219, 28.367, 28.584, 28.676, 28.529, 28.857, 28.977, 29.031, 29.152, 27.242, 27.259, 27.237, 27.348, 27.966, 29.559
Offset	-21.418, -20.000, -17.918, -15.069, -11.216, -9.930, -9.231, -6.000, -3.930, -3.000, 0.000, 3.930, 5.216, 7.960, 9.148, 10.036, 10.923, 14.166, 15.000, 15.860, 20.000, 25.000, 32.193, 38.197

Chainage 57+400.000



Prop. RL / Ex. RL	28.612, 28.494, 27.647, 27.647, 27.656, 26.986, 27.665, 27.671, 27.661
Prop. FL	28.913, 26.131, 26.774, 26.905, 26.774, 26.131, 27.137
Ground Level	28.612, 28.370, 28.744, 28.870, 28.910, 29.365, 29.543, 29.466, 29.032, 27.188, 27.215, 27.136, 27.200, 28.177, 29.325
Offset	-21.347, -20.000, -17.847, -15.084, -11.216, -9.930, -9.623, -6.000, -3.930, -3.000, -0.000, 3.930, 5.216, 7.849, 9.158, 10.030, 10.902, 13.943, 15.000, 15.535, 20.000, 25.000, 31.864, 37.865

Chainage 57+420.000



Prop. RL / Ex. RL	28.583, 28.722, 27.635, 27.635, 27.653, 26.983, 27.662, 27.467, 27.471
Prop. FL	29.034, 26.119, 26.762, 26.893, 26.762, 26.119, 27.016
Ground Level	28.634, 28.810, 28.960, 29.023, 29.032, 29.391, 29.780, 29.822, 29.697, 27.174, 27.340, 27.013, 27.019, 28.041, 29.593
Offset	-21.279, -20.000, -17.779, -15.535, -11.216, -9.930, -9.757, -6.000, -3.930, -3.000, 0.000, 3.930, 5.216, 7.738, 9.168, 10.027, 10.886, 13.878, 15.000, 15.623, 20.000, 25.000, 31.674, 37.674

Chainage 57+440.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature)
Reviewed:
Authorised Signatory: (signature)
Date: 04-02-2020

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

(S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

- 13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
- 13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
- 13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
- 13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
- 13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

- THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
- EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
- PROPOSED NALLA DIVERSION
- INNER EDGE OF PROPOSED ROAD
- INNER EDGE OF NOT IN SCOPE SERVICE ROAD
- BLANKET
- SUBGRADE
- EXISTING GROUND
- FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/29382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	28-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN
PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | IRCON | TATA

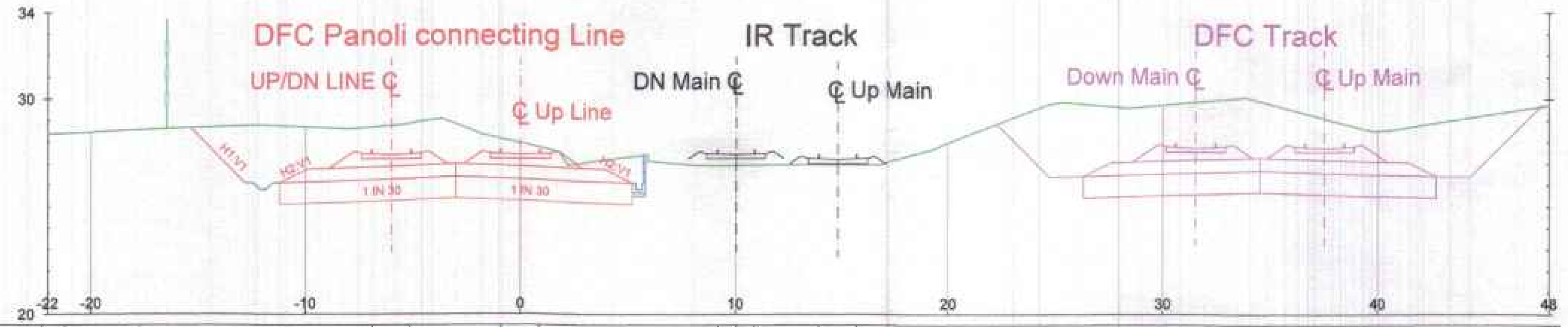
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 57+300 TO CH. 57+440

JOB NO: 8309		SIZE A1	STATUS
	NAME	SIGN	
DRWN	ACT		ID: (INCEPTION)
DSGN	SRG	PROJECTION	TD: (TECHNICAL)
CHKD	SKP	SCALE 1:250	✓ CD: (CONSTRUCTION)
APPD	SKP		BD: (AS BUILT)
			DATE : 08-JUL-2019

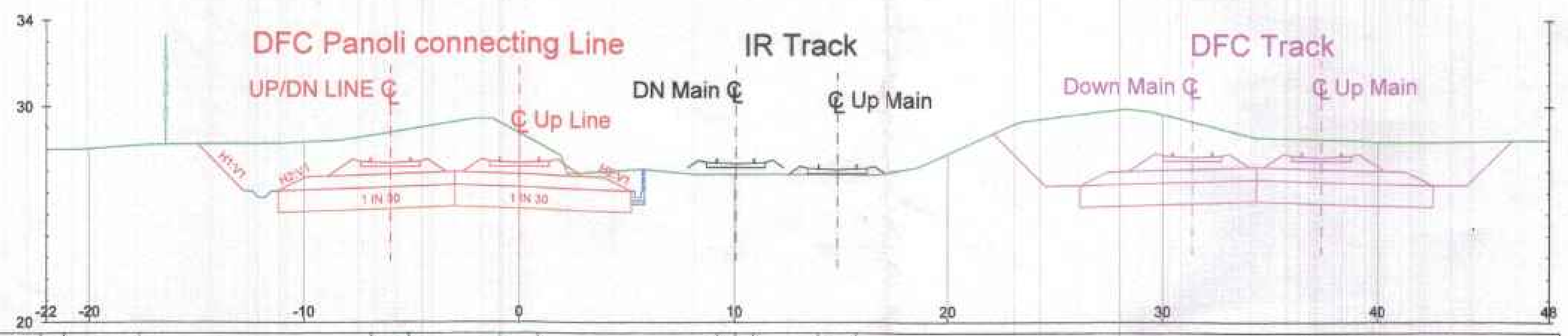
DRG. NO. 13/AL/DG/0150-CD REV-3

13-AL-DG0150R3.dwg



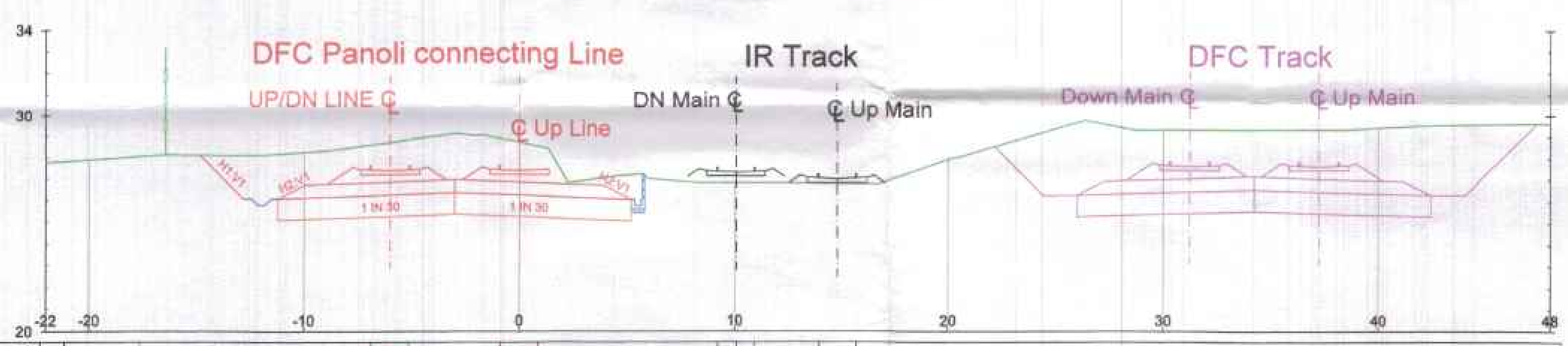
Prop. RL / Ex. RL	28.415, 28.560, 27.623, 27.623, 27.623, 27.623, 27.622, 26.949, 27.821, 27.379, 27.384
Prop. FL	28.659, 26.107, 26.750, 26.881, 26.981, 26.881, 26.750, 26.107, 26.977
Ground Level	28.463, 28.658, 28.755, 28.701, 28.763, 28.836, 27.954, 27.171, 27.333, 26.974, 26.932, 27.973, 29.788
Offset	-21.218, -20.000, -17.718, -15.394, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.710, 9.185, 10.042, 10.898, 13.894, 15.000, 15.650, 20.000, 25.000, 31.526, 37.526

Chainage 57+460.000



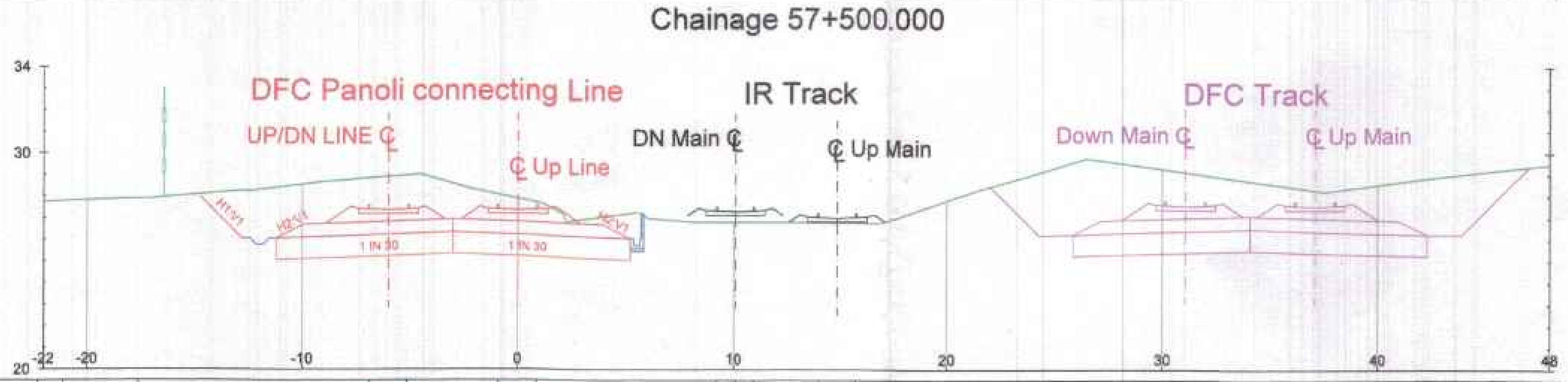
Prop. RL / Ex. RL	28.019, 28.196, 27.612, 27.612, 27.612, 27.612, 27.592, 26.910, 27.580, 27.293, 27.297
Prop. FL	28.255, 26.096, 26.739, 26.870, 26.970, 26.870, 26.739, 26.096, 26.936
Ground Level	28.038, 28.255, 28.291, 28.367, 28.812, 29.280, 28.776, 26.990, 27.076, 26.933, 26.850, 27.823, 29.523
Offset	-21.172, -20.000, -17.672, -15.002, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.681, 9.203, 10.056, 10.909, 13.907, 15.000, 15.676, 20.000, 25.000, 31.379, 37.379

Chainage 57+480.000



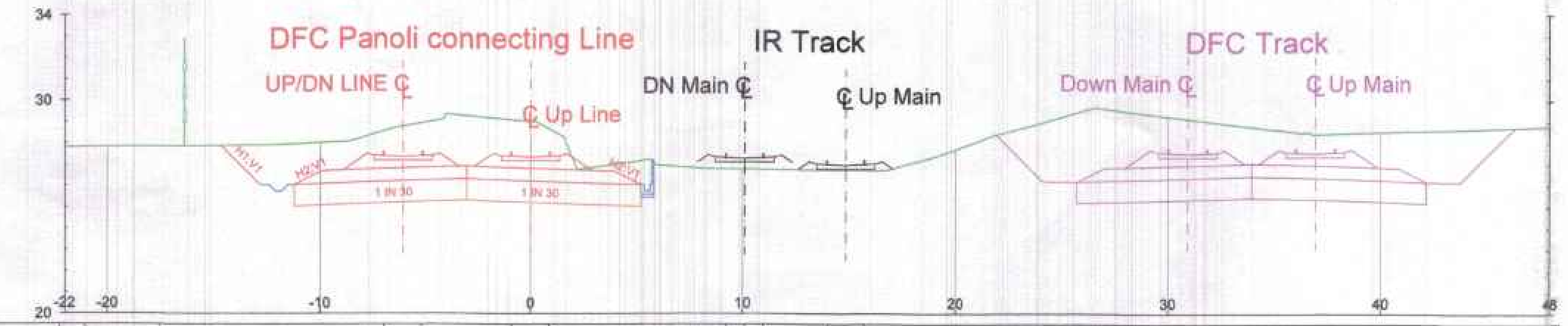
Prop. RL / Ex. RL	27.823, 28.047, 27.600, 27.600, 27.600, 27.600, 27.561, 26.870, 27.539, 27.242, 27.251
Prop. FL	28.101, 26.084, 26.727, 26.858, 26.958, 26.858, 26.727, 26.084, 26.916
Ground Level	27.883, 28.101, 28.153, 28.244, 28.700, 29.102, 28.699, 27.084, 27.216, 26.914, 26.815, 27.964, 29.373
Offset	-21.126, -20.000, -17.626, -14.860, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 7.673, 9.224, 10.073, 10.923, 13.937, 15.000, 15.651, 20.000, 25.000, 31.231, 37.232

Chainage 57+500.000



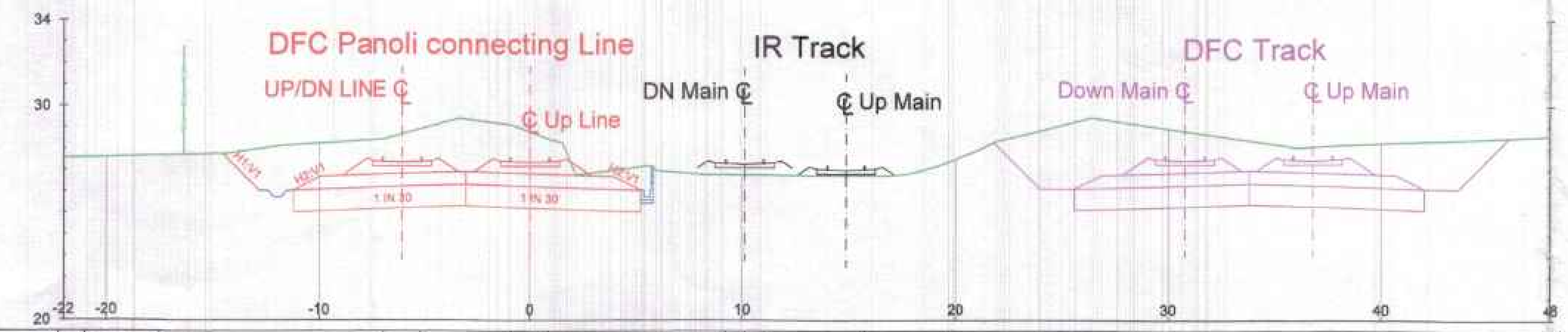
Prop. RL / Ex. RL	27.798, 27.894, 27.588, 27.588, 27.588, 27.588, 27.531, 26.850, 27.522, 27.212, 27.224
Prop. FL	28.102, 26.072, 26.715, 26.846, 26.946, 26.846, 26.715, 26.072, 26.883
Ground Level	27.831, 28.099, 28.417, 28.575, 28.924, 28.589, 27.912, 27.056, 27.231, 26.881, 26.787, 27.832, 29.323
Offset	-21.089, -20.000, -17.589, -14.870, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.651, 9.227, 10.087, 10.947, 13.984, 15.000, 15.690, 20.000, 25.000, 31.084, 37.084

Chainage 57+520.000



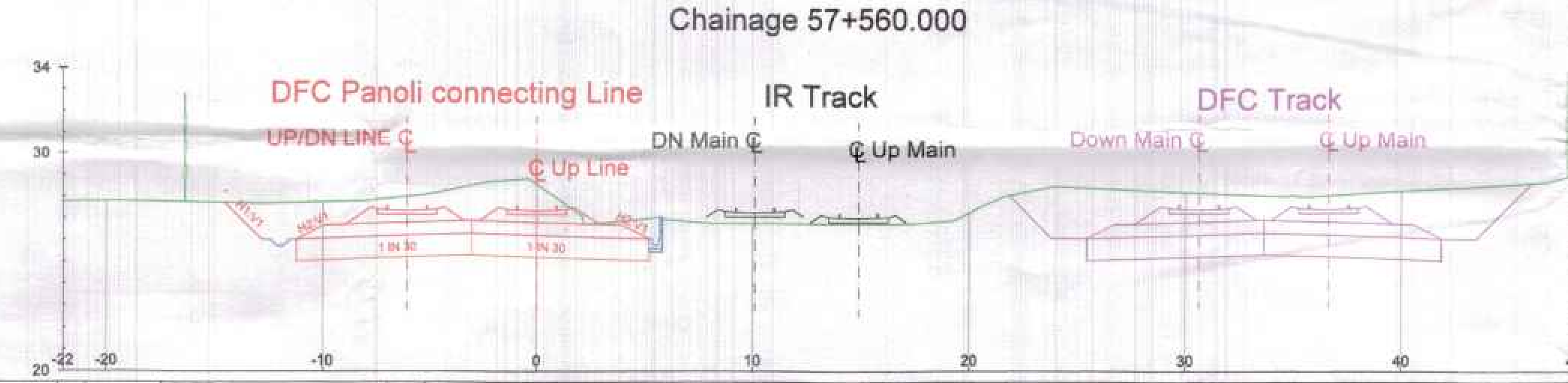
Prop. RL / Ex. RL	27.809, 27.860, 27.576, 27.576, 27.576, 27.576, 27.500, 26.830, 27.517, 27.193, 27.203
Prop. FL	27.898, 26.061, 26.703, 26.834, 26.934, 26.834, 26.703, 26.061, 26.851
Ground Level	27.825, 27.898, 27.967, 28.023, 28.780, 29.288, 29.028, 27.009, 27.164, 26.849, 26.760, 27.699, 29.222
Offset	-21.053, -20.000, -17.553, -14.680, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.631, 9.220, 10.098, 10.977, 13.994, 15.000, 15.729, 20.000, 25.000, 30.937, 36.937

Chainage 57+540.000



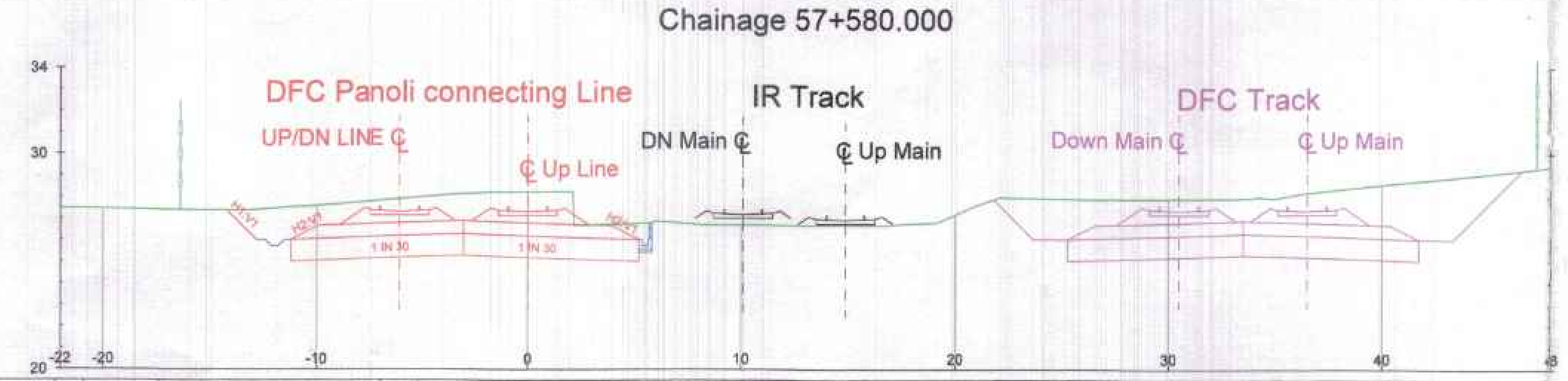
Prop. RL / Ex. RL	27.569, 27.676, 27.588, 27.588, 27.538, 27.565, 27.538, 27.565, 27.470, 26.800, 27.512, 27.193, 27.196
Prop. FL	27.759, [illegible], [illegible], [illegible], [illegible], [illegible], 26.665, 26.692, 26.049, 26.022, 26.819, 26.817
Ground Level	27.595, 27.759, 28.180, 28.255, 28.671, 29.380, 28.790, 26.978, 27.137, 26.817, 26.743, 27.539, 29.110
Offset	-21.012, -20.000, -17.512, -14.552, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.610, 9.212, 10.109, 11.007, 13.988, 15.000, 15.740, 20.000, 25.000, 30.790, 36.790

Chainage 57+560.000



Prop. RL / Ex. RL	27.785, 27.789, 27.553, 27.553, 27.553, 27.553, 27.438, 26.768, 27.487, 27.197, 27.190, 28.944
Prop. FL	27.722, 26.037, 26.680, 26.811, 26.911, 26.811, 26.680, 26.037, 26.789
Ground Level	27.791, 27.723, 27.726, 27.755, 27.998, 28.523, 28.570, 26.859, 26.983, 26.787, 26.740, 27.262, 28.418
Offset	-20.960, -20.000, -17.460, -14.528, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.592, 9.207, 10.109, 11.011, 14.038, 15.000, 15.772, 20.000, 25.000, 30.642, 36.643, 47.682

Chainage 57+580.000



Prop. RL / Ex. RL	27.467, 27.427, 27.541, 27.541, 27.541, 27.541, 27.406, 26.736, 27.441, 27.162, 27.148, 29.336
Prop. FL	27.399, 26.025, 26.668, 26.799, 26.899, 26.799, 26.668, 26.025, 26.757
Ground Level	27.454, 27.400, 27.533, 27.607, 27.909, 28.156, 28.249, 26.738, 26.768, 26.755, 26.697, 27.181, 27.908
Offset	-20.909, -20.000, -17.409, -14.216, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 7.571, 9.206, 10.096, 10.986, 14.041, 15.000, 15.760, 20.000, 25.000, 30.495, 36.495, 47.225

Chainage 57+600.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submtal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature)
Reviewed:
Authorised Signatory: (signature)
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
(C.S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

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- 13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
- 13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
- 13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

- THE CROSS-SECTION OF DFC UP/DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
- EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE — ROW — ROW —
- PROPOSED NALLA DIVERSION
- INNER EDGE OF PROPOSED ROAD — PRD — PRD —
- INNER EDGE OF NOT IN SCOPE SERVICE ROAD — NSR — NSR —
- BLANKET
- SUBGRADE
- EXISTING GROUND
- FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/29362 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27101 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

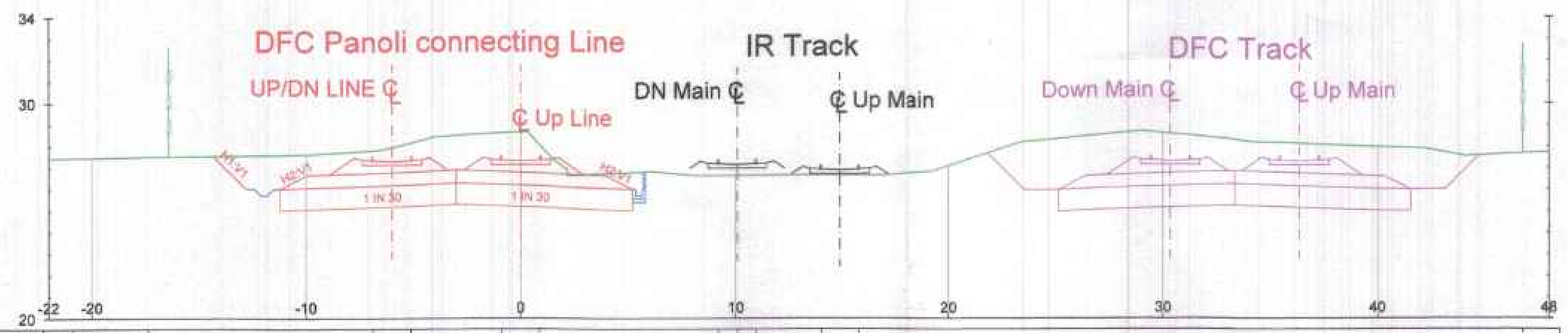
CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI&CO., LTD. | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 57+460 TO CH. 57+600

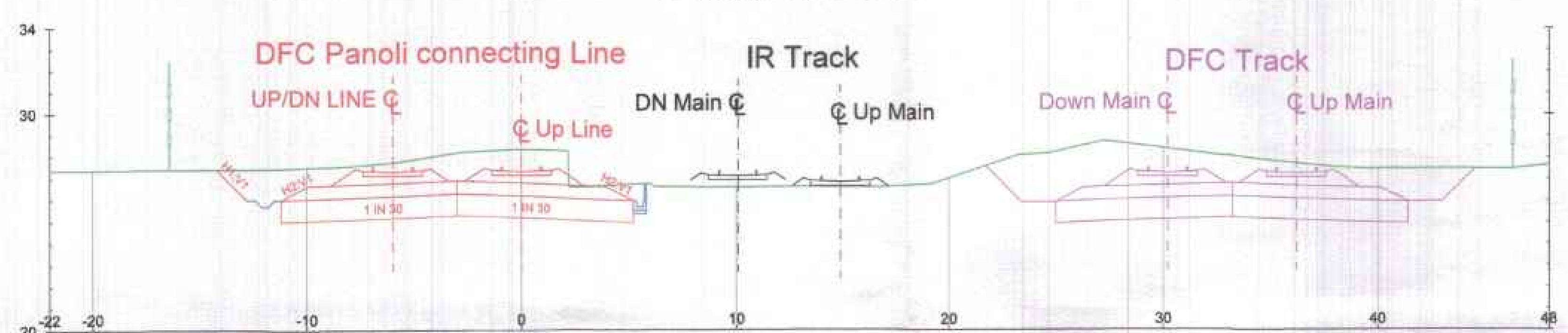
JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019
DRG. NO.	13/AL/DG/0151-CD			REV-3

13-AL-D0151R3.dwg



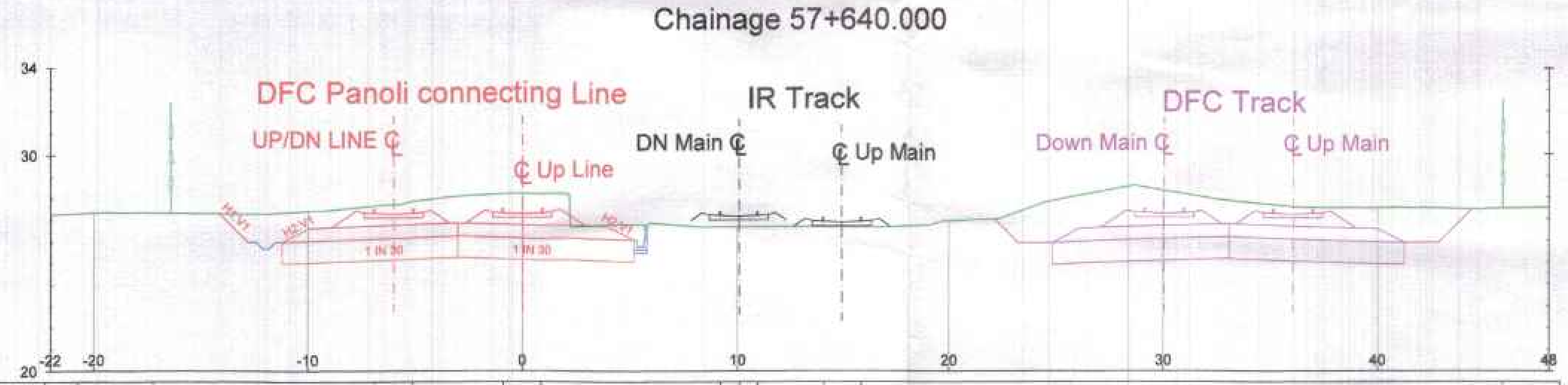
Prop. RL / Ex. RL	27.458, 27.499, 27.530, 27.530, 27.530, 27.530, 27.373, 26.703, 27.395, 27.116, 27.102, 27.678
Prop. FL	27.535, 26.014, 26.657, 26.788, 26.888, 26.788, 26.657, 26.014, 26.714
Ground Level	27.466, 27.535, 27.595, 27.628, 27.952, 28.504, 28.653, 28.726, 28.786, 26.712, 26.655, 27.103, 28.352
Offset	-20.847, -20.000, -17.347, -14.363, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.540, 9.207, 10.085, 10.963, 14.012, 15.000, 15.745, 20.000, 25.000, 30.348, 36.348, 46.768

Chainage 57+620.000



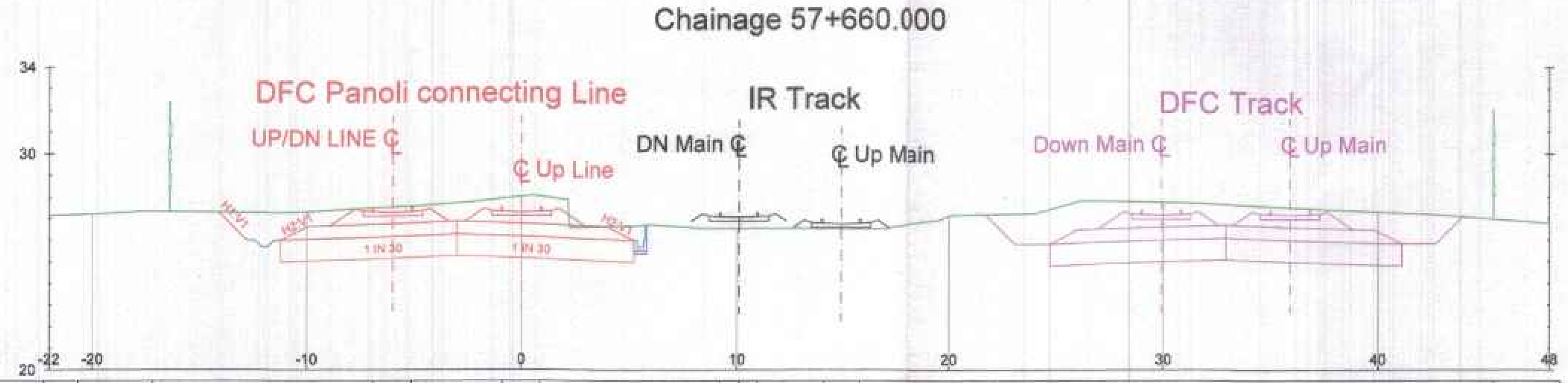
Prop. RL / Ex. RL	27.365, 27.379, 27.518, 27.518, 27.518, 27.518, 27.341, 26.671, 27.355, 27.061, 27.057, 27.460
Prop. FL	27.400, 26.002, 26.645, 26.776, 26.876, 26.776, 26.645, 26.002, 26.659
Ground Level	27.362, 27.400, 27.454, 27.508, 27.738, 28.167, 28.320, 26.709, 26.776, 26.658, 26.614, 27.043, 28.269
Offset	-20.782, -20.000, -17.282, -14.239, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.497, 9.209, 10.081, 10.954, 13.995, 15.000, 15.738, 20.000, 25.000, 30.201, 36.201, 46.318

Chainage 57+640.000



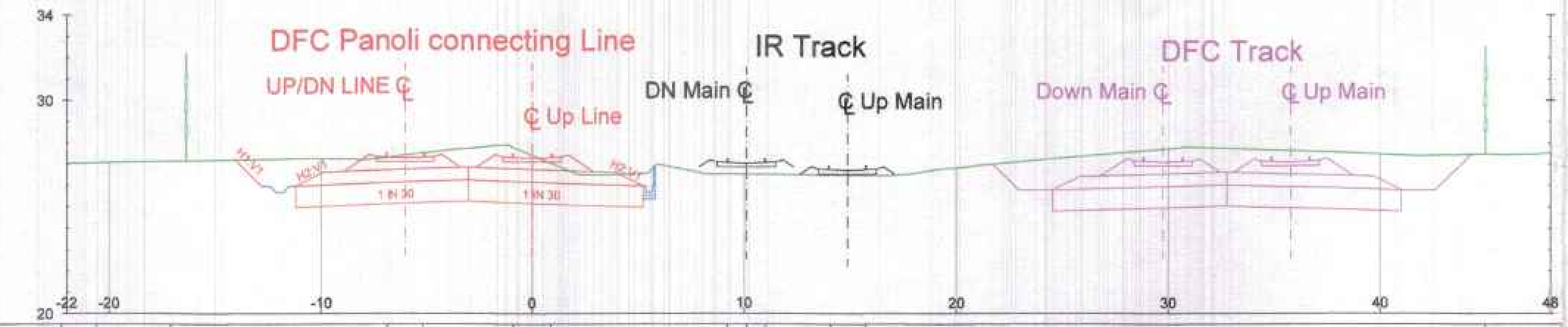
Prop. RL / Ex. RL	27.320, 27.335, 27.512, 27.512, 27.512, 27.512, 27.311, 26.641, 27.323, 27.017, 27.018, 27.478
Prop. FL	27.306, 25.996, 26.639, 26.770, 26.870, 26.770, 26.639, 25.996, 26.677
Ground Level	27.354, 27.307, 27.345, 27.423, 27.729, 28.099, 28.222, 26.693, 26.707, 26.675, 26.580, 26.883, 27.865
Offset	-20.720, -20.000, -17.220, -14.157, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.525, 9.211, 10.089, 10.967, 14.058, 15.000, 15.776, 20.000, 25.000, 30.054, 36.054, 45.854

Chainage 57+660.000



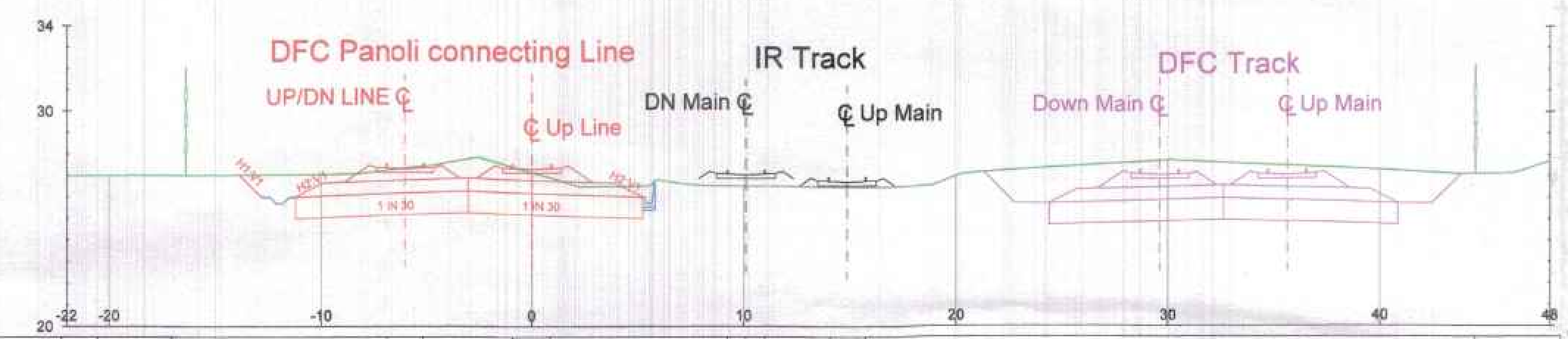
Prop. RL / Ex. RL	27.191, 27.314, 27.512, 27.512, 27.512, 27.512, 27.281, 26.611, 27.291, 26.975, 26.975, 26.974
Prop. FL	27.298, 25.996, 26.639, 26.770, 26.870, 26.770, 26.639, 25.996, 26.634
Ground Level	27.217, 27.298, 27.274, 27.321, 27.542, 27.704, 28.019, 26.641, 26.671, 26.631, 26.535, 27.125, 27.522
Offset	-20.660, -20.000, -17.160, -14.160, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 7.493, 9.214, 10.098, 10.981, 14.071, 15.000, 15.735, 20.000, 25.000, 29.906, 35.906, 45.396

Chainage 57+680.000



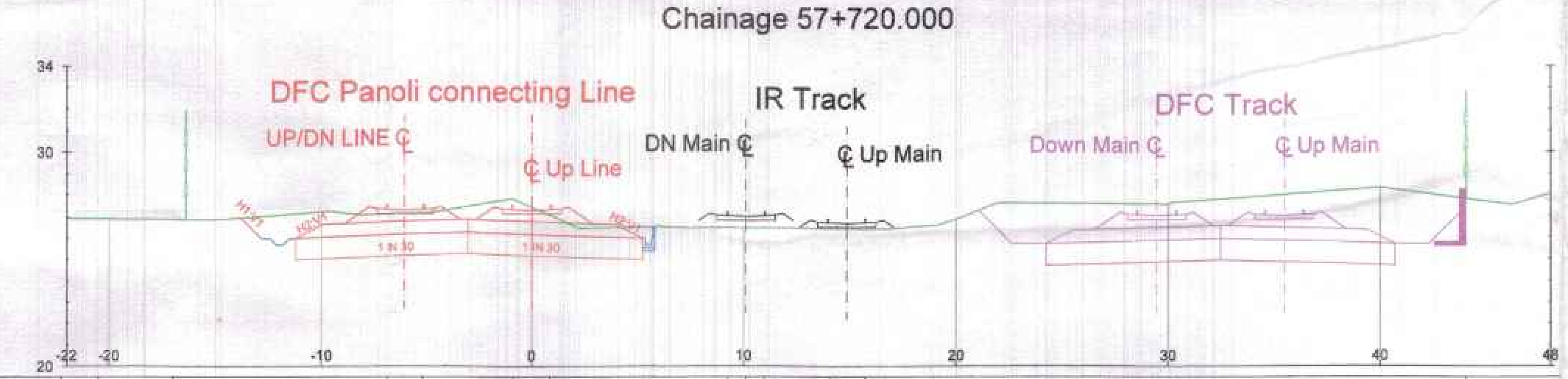
Prop. RL / Ex. RL	27.077, 27.155, 27.512, 27.512, 27.512, 27.512, 27.252, 26.581, 27.259, 26.938, 26.937, 27.490
Prop. FL	27.218, 25.996, 26.639, 26.770, 26.870, 26.770, 26.639, 25.996, 26.954
Ground Level	27.095, 27.217, 27.277, 27.281, 27.425, 27.745, 27.434, 26.534, 26.573, 26.948, 26.494, 26.855, 27.293
Offset	-20.600, -20.000, -17.100, -14.090, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 6.220, 9.222, 10.106, 10.991, 14.086, 15.000, 15.752, 20.000, 25.000, 29.759, 35.759, 44.939

Chainage 57+700.000



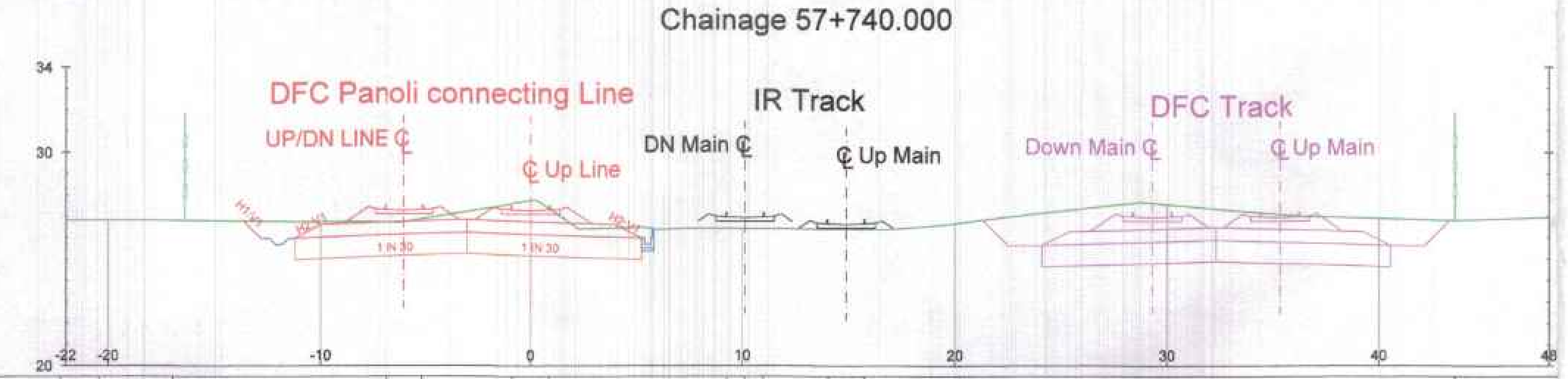
Prop. RL / Ex. RL	26.981, 27.002, 27.512, 27.512, 27.512, 27.512, 27.225, 26.556, 27.228, 26.913, 26.910, 27.122
Prop. FL	27.021, 25.996, 26.639, 26.770, 26.870, 26.770, 26.639, 25.996, 26.775
Ground Level	26.985, 27.020, 27.036, 27.044, 27.331, 27.764, 27.139, 26.490, 26.493, 26.765, 26.466, 27.027, 27.423
Offset	-20.547, -20.000, -17.047, -13.905, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.050, 9.240, 10.112, 10.985, 14.069, 15.000, 15.759, 20.000, 25.000, 29.612, 35.612, 44.482

Chainage 57+720.000



Prop. RL / Ex. RL	26.901, 26.890, 27.512, 27.512, 27.512, 27.512, 27.200, 26.527, 27.197, 26.893, 26.890, 27.786
Prop. FL	26.957, 25.996, 26.639, 26.770, 26.870, 26.770, 26.639, 25.996, 26.463
Ground Level	26.900, 26.952, 27.136, 27.224, 27.150, 27.471, 27.447, 26.487, 26.503, 26.500, 26.446, 26.855, 27.579
Offset	-20.496, -20.000, -16.996, -13.848, -11.216, -9.930, -6.000, -3.000, -0.000, 3.930, 5.216, 5.796, 9.253, 10.116, 10.979, 14.038, 15.000, 15.741, 20.000, 25.000, 29.465, 35.465, 44.025

Chainage 57+740.000



Prop. RL / Ex. RL	26.828, 26.830, 27.512, 27.512, 27.512, 27.512, 27.169, 26.495, 27.165, 26.863, 26.862, 26.822
Prop. FL	26.814, 25.996, 26.639, 26.770, 26.870, 26.770, 26.639, 25.996, 26.443
Ground Level	26.828, 26.815, 26.787, 26.772, 26.750, 27.242, 27.755, 26.473, 26.506, 26.427, 26.417, 26.671, 27.231
Offset	-20.444, -20.000, -16.944, -13.723, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.735, 9.265, 10.120, 10.975, 14.051, 15.000, 15.754, 20.000, 25.000, 29.317, 35.318, 43.568

Chainage 57+760.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P-P [signature]
Reviewed:
Authorised Signatory: [signature]
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
[signature] Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer
[signature]

STUP CONSULTANTS PVT. LTD. PLOT NO 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705.
[signature] (S.K. Pathak)

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13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
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EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE	ROW
PROPOSED NALLA DIVERSION	
INNER EDGE OF PROPOSED ROAD	PRD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD	NSR
BLANKET	
SUBGRADE	
EXISTING GROUND	
FUTURE IR TRACK	

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PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
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OCG CONSORTIUM
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CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | L&T | TATA

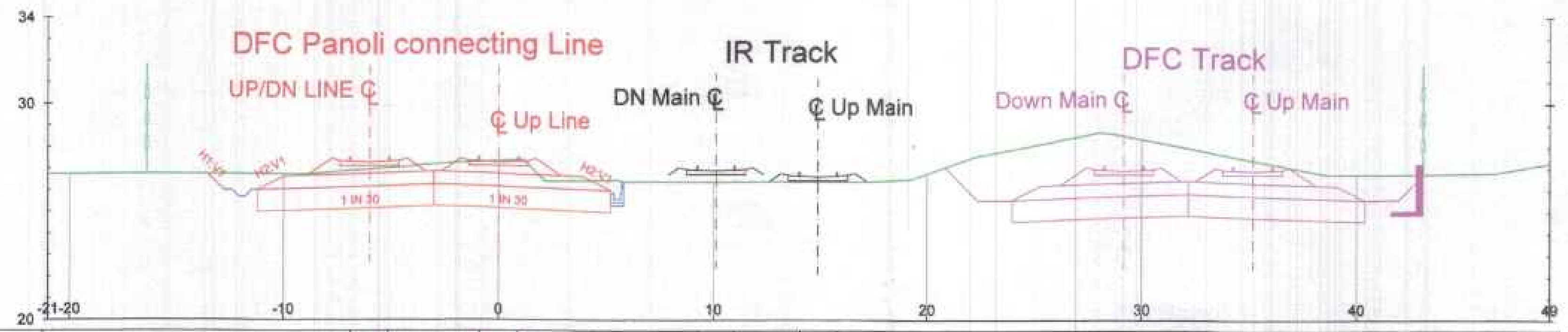
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 57+620 TO CH. 57+760

JOB NO: 8309		SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019

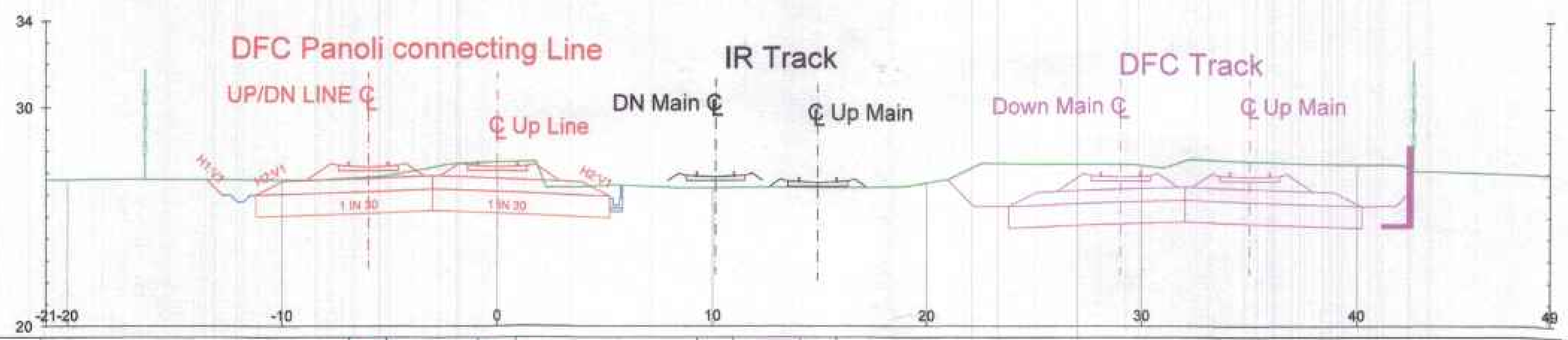
DRG. NO. 13/AL/DG/0152-CD REV-3

13-AL-DG0152R3.dwg



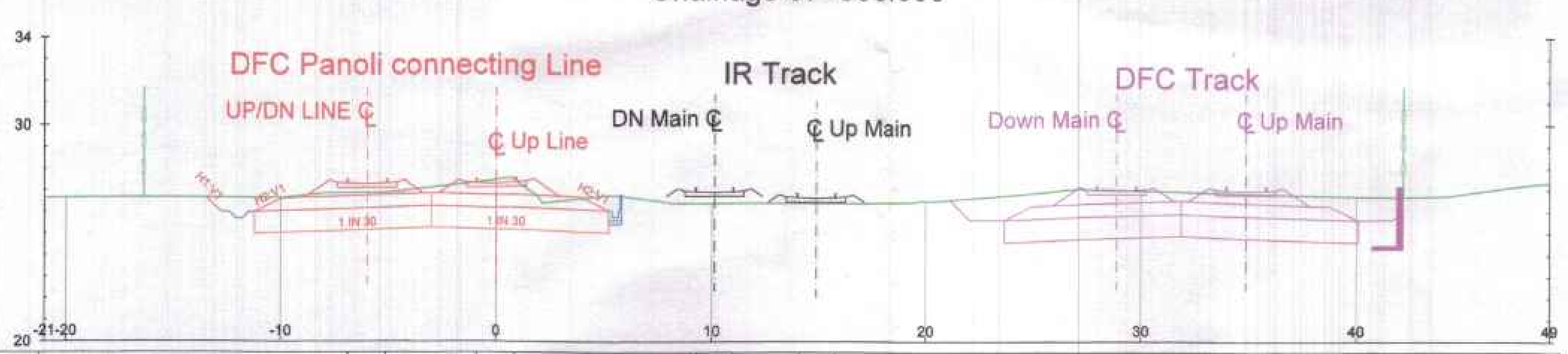
Prop. RL / Ex. RL	27.512	27.512	27.512	27.512	27.132	27.130	26.842	26.842										
Prop. FL	26.750	25.996	26.639	26.770	26.870	26.770	26.639	25.996	26.449									
Ground Level	26.754	26.750	26.743	26.735	26.966	27.195	27.351	26.442	26.486	26.432	26.391	26.788	28.103					
Offset	-20.390	-20.000	-16.890	-13.669	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	5.751	10.125	15.000	20.000	25.000	29.170	35.170	43.111

Chainage 57+780.000



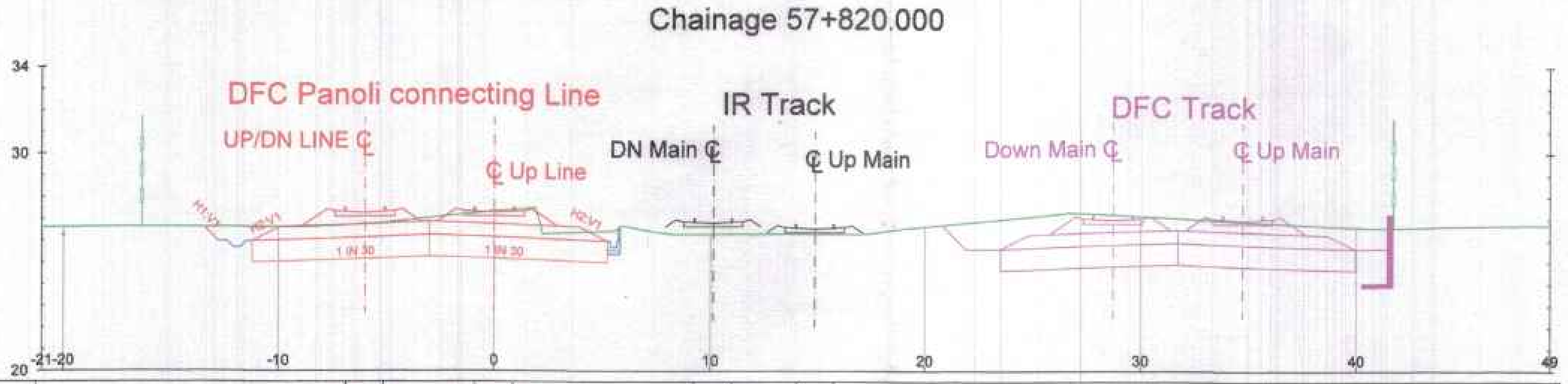
Prop. RL / Ex. RL	27.512	27.512	27.512	27.512	27.095	27.096	26.818	26.824										
Prop. FL	26.696	25.996	26.639	26.770	26.870	26.770	26.639	25.996	26.502									
Ground Level	26.699	26.696	26.695	26.695	26.824	27.254	27.510	26.430	26.498	26.499	26.375	26.619	27.493					
Offset	-20.335	-20.000	-16.835	-13.627	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	5.830	10.130	15.000	20.000	25.000	29.023	35.023	42.653

Chainage 57+800.000



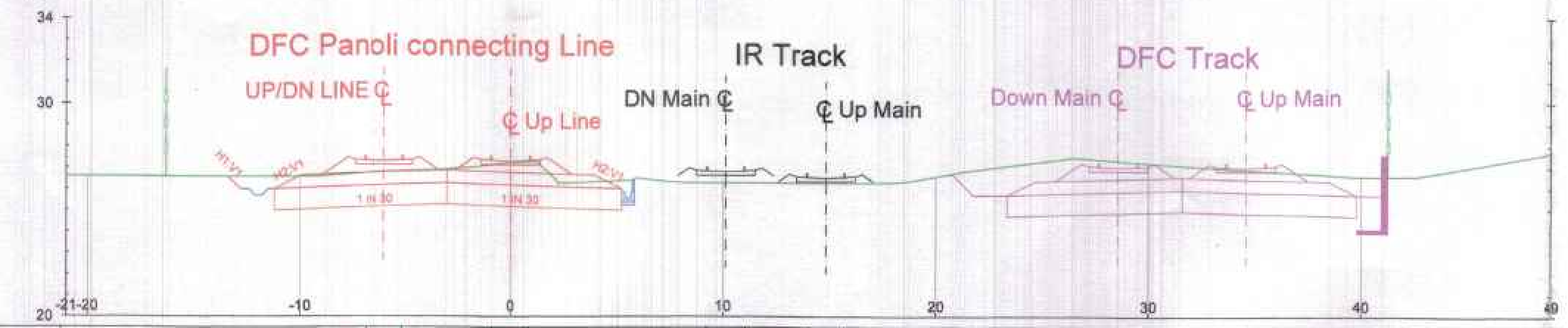
Prop. RL / Ex. RL	27.512	27.512	27.512	27.512	27.060	27.062	26.783	26.786										
Prop. FL	26.668	25.996	26.639	26.770	26.870	26.770	26.639	25.996	26.661									
Ground Level	26.670	26.668	26.668	26.667	26.899	27.120	27.457	26.551	26.692	26.461	26.338	26.436	26.809					
Offset	-20.294	-20.000	-16.794	-13.610	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	7.403	10.135	15.000	20.000	25.000	28.876	34.876	42.196

Chainage 57+820.000



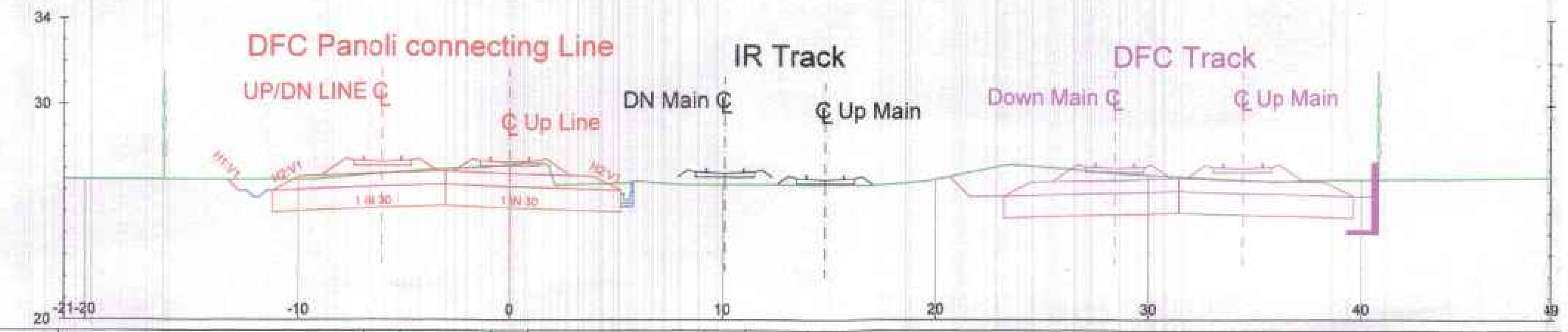
Prop. RL / Ex. RL	27.512	27.512	27.512	27.512	27.033	27.038	26.751	26.755										
Prop. FL	26.633	25.996	26.639	26.770	26.870	26.770	26.639	25.996	26.693									
Ground Level	26.627	26.630	26.635	26.638	26.785	27.043	27.343	26.383	26.439	26.672	26.302	26.666	27.138					
Offset	-20.255	-20.000	-16.755	-13.583	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	6.026	10.131	15.000	20.000	25.000	28.728	34.729	41.739

Chainage 57+840.000



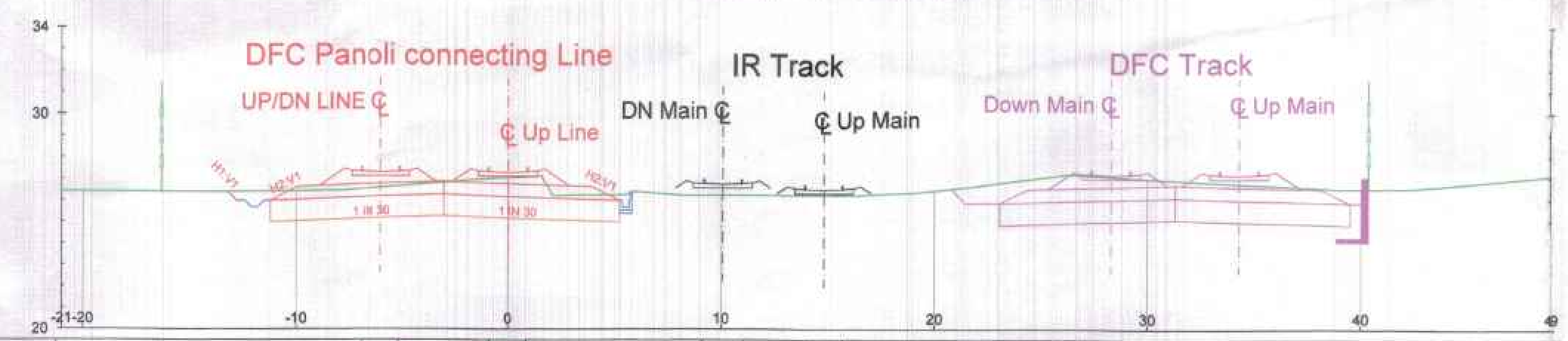
Prop. RL / Ex. RL	27.512	27.512	27.512	27.512	27.006	27.013	26.728	26.730										
Prop. FL	26.581	25.996	26.639	26.770	26.870	26.770	26.639	25.996	26.398									
Ground Level	26.578	26.581	26.580	26.580	26.797	26.910	27.227	26.330	26.382	26.411	26.277	26.590	27.268					
Offset	-20.222	-20.000	-16.722	-13.546	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	5.778	10.128	15.000	20.000	25.000	28.581	34.581	41.282

Chainage 57+860.000



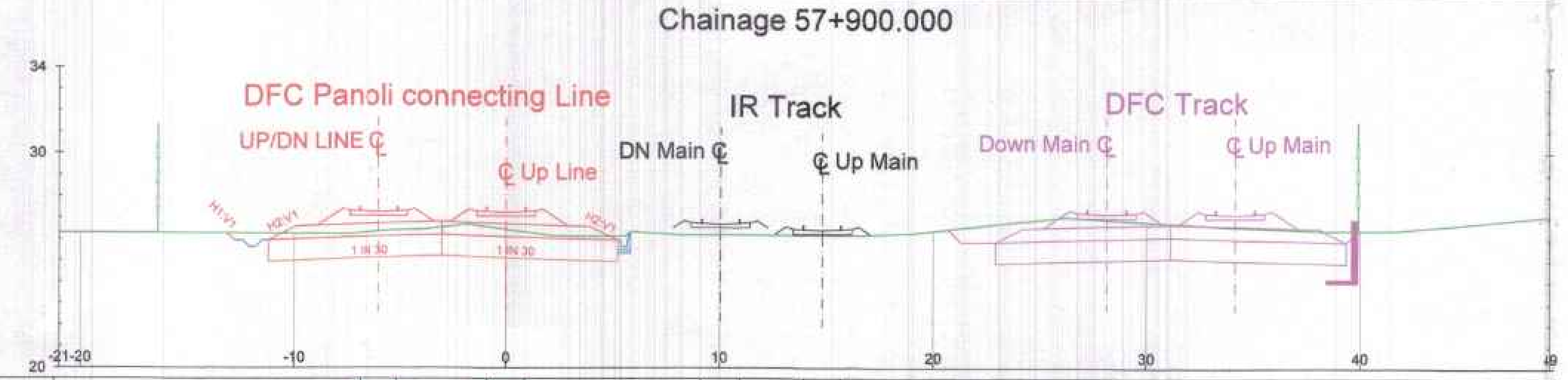
Prop. RL / Ex. RL	27.512	27.512	27.512	27.512	26.980	26.989	26.711	26.706										
Prop. FL	26.505	25.996	26.639	26.770	26.870	26.770	26.639	25.996	26.337									
Ground Level	26.496	26.504	26.505	26.506	26.761	26.974	27.167	26.286	26.324	26.375	26.252	26.569	27.126					
Offset	-20.199	-20.000	-16.699	-13.481	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	5.751	10.123	15.000	20.000	25.000	28.434	34.434	40.825

Chainage 57+880.000



Prop. RL / Ex. RL	27.507	27.507	27.507	27.507	26.947	26.953	26.687	26.684										
Prop. FL	26.410	25.991	26.634	26.765	26.865	26.765	26.634	25.991	26.247									
Ground Level	26.400	26.409	26.413	26.424	26.573	26.831	27.046	26.245	26.247	26.386	26.229	26.418	26.998					
Offset	-20.177	-20.000	-16.677	-11.797	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	5.774	10.093	15.000	20.000	25.000	28.287	34.287	40.367

Chainage 57+900.000



Prop. RL / Ex. RL	27.474	27.474	27.474	27.474	26.913	26.915	26.642	26.643										
Prop. FL	26.290	25.958	26.601	26.732	26.832	26.732	26.601	25.958	26.157									
Ground Level	26.291	26.291	26.286	26.273	26.354	26.556	26.467	26.156	26.157	26.157	26.194	26.400	26.910					
Offset	-20.134	-20.000	-16.634	-11.690	-11.216	-9.930	-6.000	-3.000	0.000	3.930	5.216	5.557	10.057	15.000	20.000	25.000	28.140	34.140	39.910

Chainage 57+920.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submtal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P-P (signature) | Reviewed | Authorised Signatory (signature) | Date: 04-02-2020

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
(S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/ 0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/28382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG CONSORTIUM
OCG - OCI - NK - NKI - RITES

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI&CO., LTD. | TATA

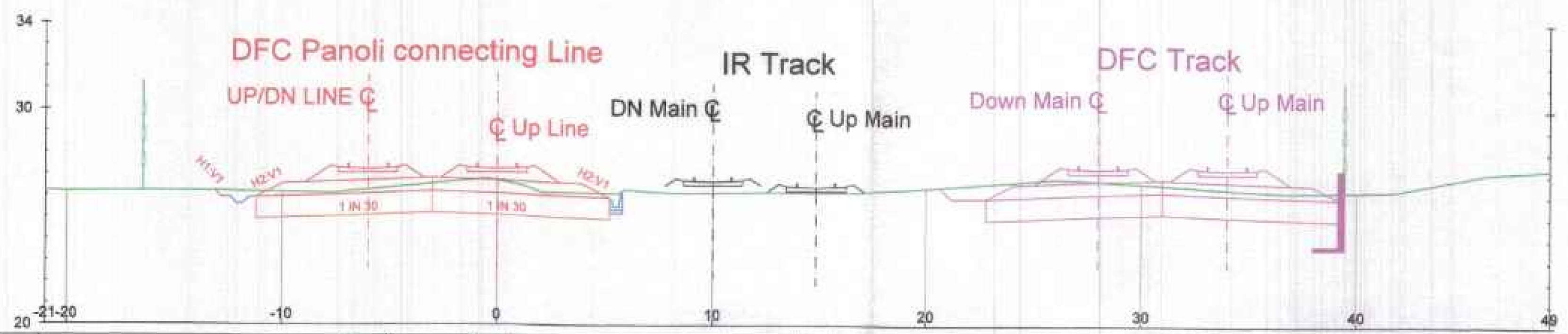
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 57+780 TO CH. 57+920

JOB NO: 8309	NAME	SIGN	SIZE A1	STATUS
DRWN	ACT		PROJECTION	ID: (INCEPTION)
DSGN	SRG			TD: (TECHNICAL)
CHKD	SKP		SCALE	✓ CD: (CONSTRUCTION)
APPD	SKP		1:250	BD: (AS BUILT)
				DATE : 08-JUL-2019

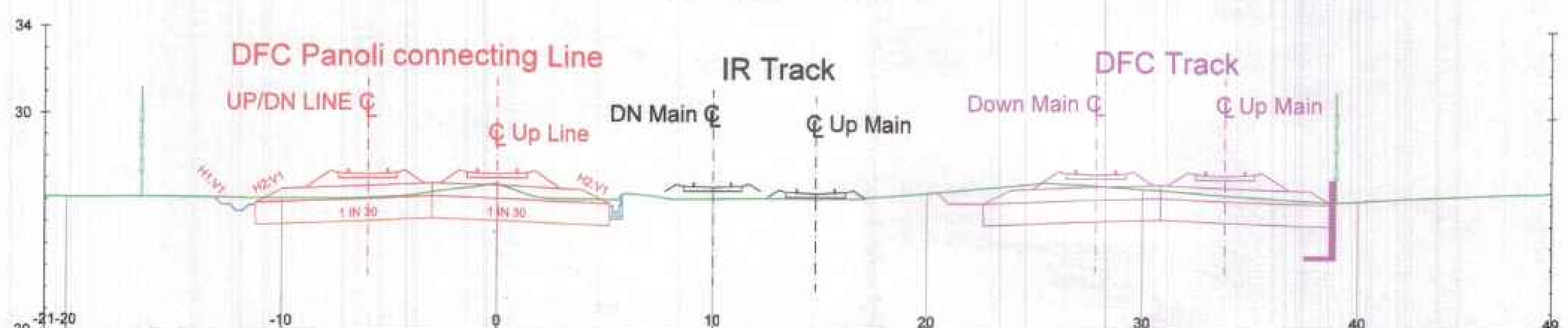
DRG. NO. 13/AL/DG/0153-CD REV-3

13-AL-DG0153R3.dwg



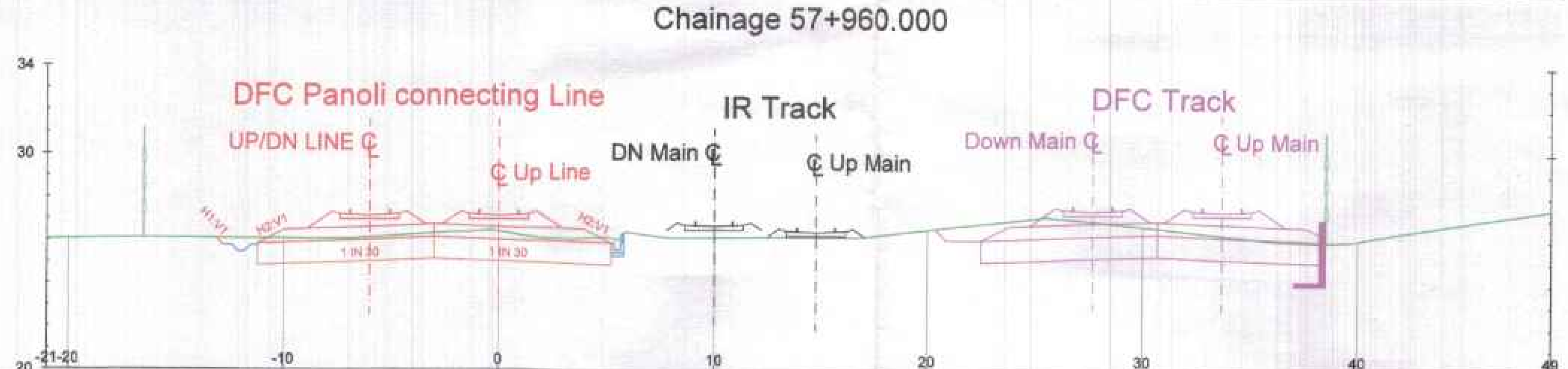
Prop. RL / Ex. RL	27.441 27.441 27.441 27.441 26.878 26.876 26.597 26.602
Prop. FL	26.185 25.925 26.568 26.699 26.799 26.699 26.568 25.925 26.123
Ground Level	26.188 26.187 26.182 26.165 26.284 26.535 26.698 26.140 26.128 26.122 26.152 26.388 26.742
Offset	-20.087 -20.000 -13.887 -11.598 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.533 10.021 15.000 20.000 25.000 27.992 33.992 39.453

Chainage 57+940.000



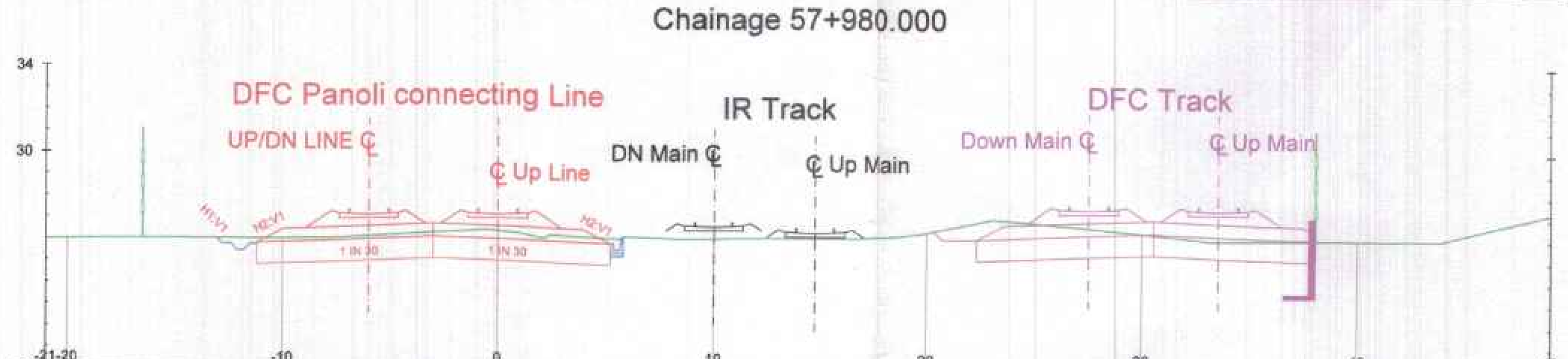
Prop. RL / Ex. RL	27.408 27.408 27.408 27.408 26.848 26.845 26.566 26.572
Prop. FL	26.099 25.892 26.535 26.666 26.766 26.666 26.535 25.892 26.086
Ground Level	26.125 26.100 26.099 26.095 26.117 26.347 26.736 26.094 26.087 26.085 26.119 26.440 26.878
Offset	-20.042 -20.000 -13.842 -11.522 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.507 9.999 15.000 20.000 25.000 27.845 33.845 38.996

Chainage 57+960.000



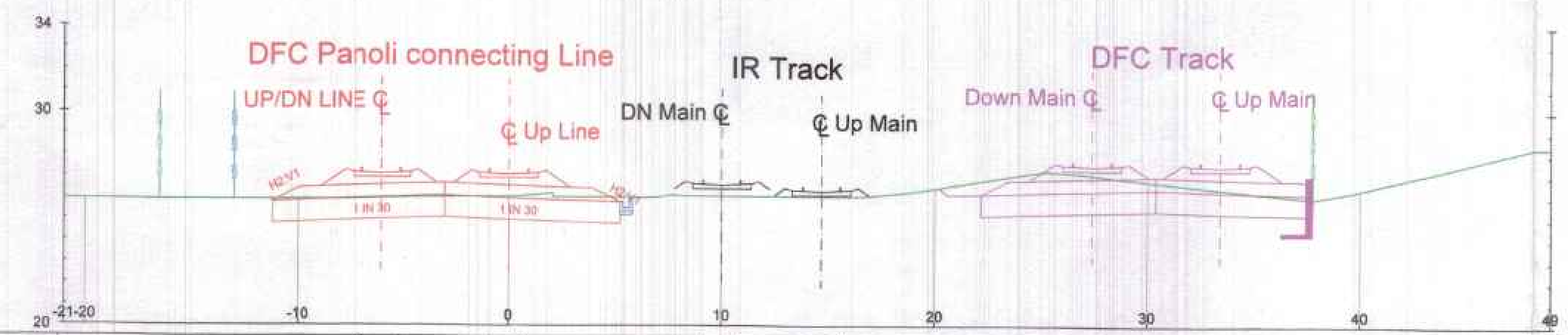
Prop. RL / Ex. RL	27.375 27.375 27.375 27.375 26.827 26.826 26.544 26.546
Prop. FL	26.095 25.859 26.502 26.633 26.733 26.633 26.502 25.859 26.036
Ground Level	26.068 26.095 26.095 26.092 26.141 26.321 26.422 26.061 26.075 26.022 26.093 26.503 27.026
Offset	-20.000 -20.003 -13.803 -11.528 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.456 10.005 15.000 20.000 25.000 27.698 33.698 38.539

Chainage 57+980.000



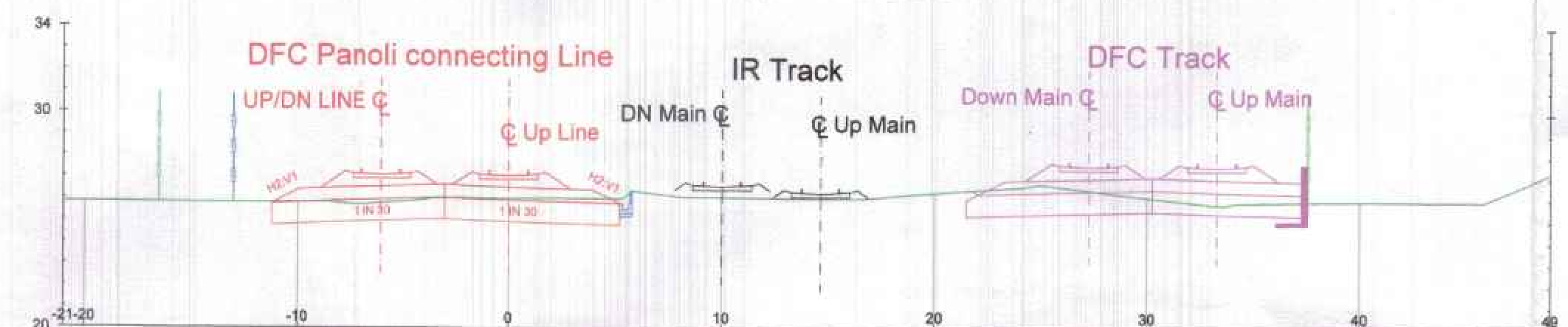
Prop. RL / Ex. RL	27.342 27.342 27.342 27.342 26.806 26.808 26.522 26.518
Prop. FL	26.024 25.826 26.469 26.600 26.700 26.600 26.469 25.826 26.052
Ground Level	25.999 26.023 26.027 26.046 26.152 26.293 26.365 26.123 26.062 26.042 26.065 26.392 26.837
Offset	-20.000 -19.965 -13.765 -11.468 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.487 10.010 15.000 20.000 25.000 27.551 33.551 38.082

Chainage 58+000.000



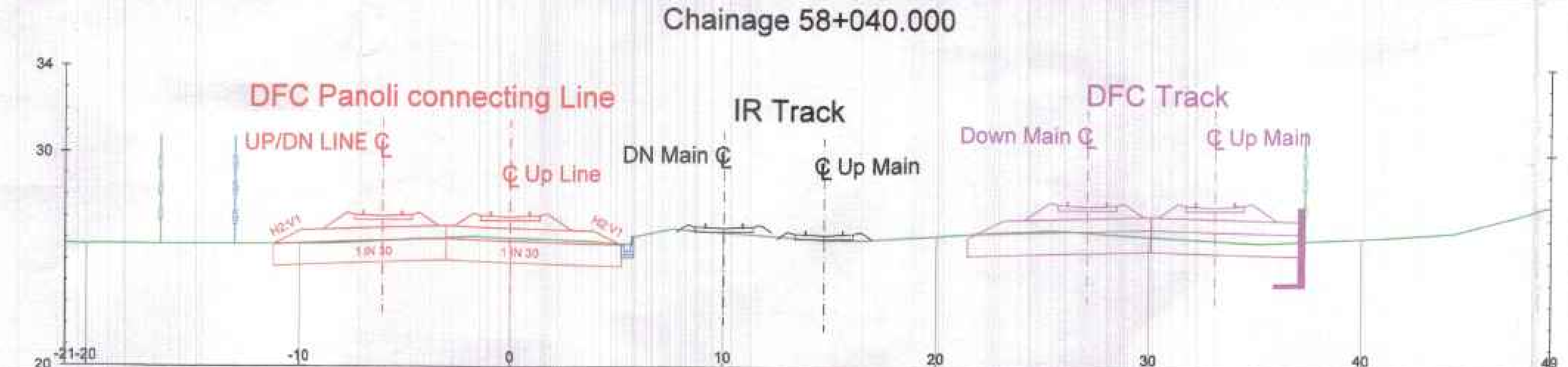
Prop. RL / Ex. RL	27.309 27.309 27.309 27.309 26.784 26.789 26.503 26.506
Prop. FL	25.906 25.793 26.436 26.567 26.667 26.567 26.436 25.793 26.021
Ground Level	25.897 25.906 25.906 25.905 25.947 26.011 26.055 26.030 26.022 26.021 26.055 26.450 27.201
Offset	-20.000 -19.900 -13.700 -11.363 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.477 10.017 15.000 20.000 25.000 27.403 33.404 37.775

Chainage 58+020.000



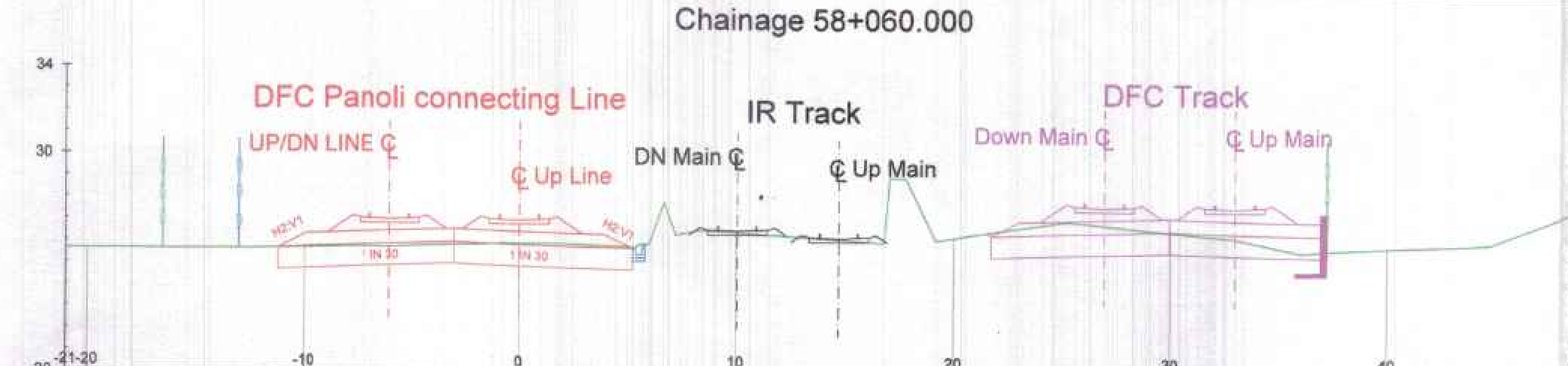
Prop. RL / Ex. RL	27.276 27.276 27.276 27.276 26.756 26.761 26.487 26.479
Prop. FL	25.824 25.760 26.403 26.534 26.634 26.534 26.403 25.760 26.200
Ground Level	25.817 25.824 25.824 25.824 25.756 26.006 26.012 25.998 25.979 26.247 26.031 26.298 26.672
Offset	-20.000 -19.829 -13.629 -11.292 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.715 10.033 15.000 20.000 25.000 27.256 33.256 37.564

Chainage 58+040.000



Prop. RL / Ex. RL	27.242 27.242 27.242 27.242 26.728 26.733 26.421 26.429
Prop. FL	25.755 25.727 26.369 26.500 26.600 26.500 26.369 25.727 25.774
Ground Level	25.712 25.755 25.757 25.888 26.029 26.045 25.888 25.778 25.774 26.000 26.156 26.425
Offset	-20.000 -19.989 -13.563 -11.244 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.263 10.046 15.000 20.000 25.000 27.109 33.109 37.363

Chainage 58+060.000



Prop. RL / Ex. RL	27.209 27.209 27.209 27.209 26.700 26.705 26.391 26.405
Prop. FL	25.686 25.694 26.336 26.467 26.567 26.467 26.336 25.694 25.742
Ground Level	25.625 25.686 25.699 25.719 25.843 25.928 25.830 25.745 25.742 26.118 26.226 26.944
Offset	-20.000 -19.705 -13.505 -11.232 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.264 5.216 10.059 15.000 20.000 25.000 26.962 32.962 37.242

Chainage 58+080.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P | Reviewed | Authorised Signatory
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
(S.K. Pathak)

NOTES:

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16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

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- 13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
- 13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
- 13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **

- EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
- PROPOSED NALLA DIVERSION
- INNER EDGE OF PROPOSED ROAD
- INNER EDGE OF NOT IN SCOPE SERVICE ROAD
- BLANKET
- SUBGRADE
- EXISTING GROUND
- FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/25382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | TATA

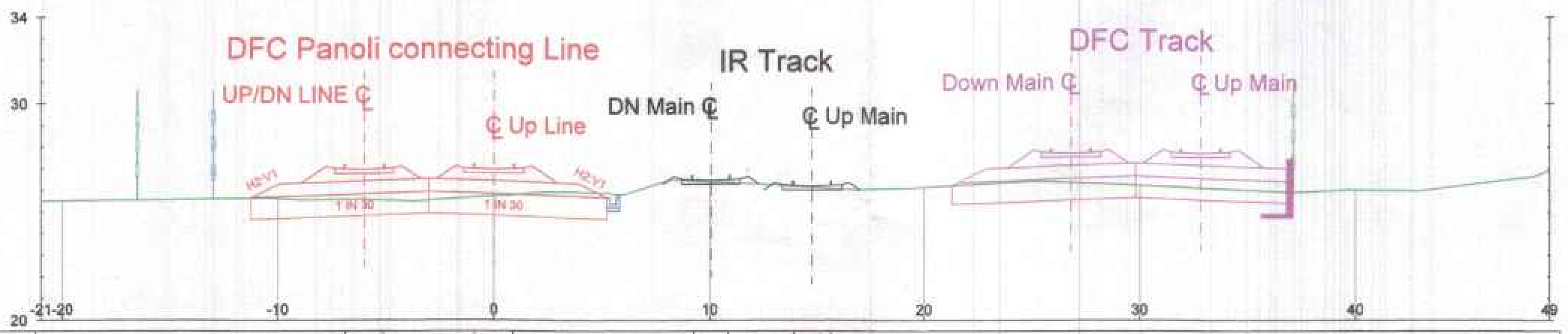
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 57+940 TO CH. 58+080

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019

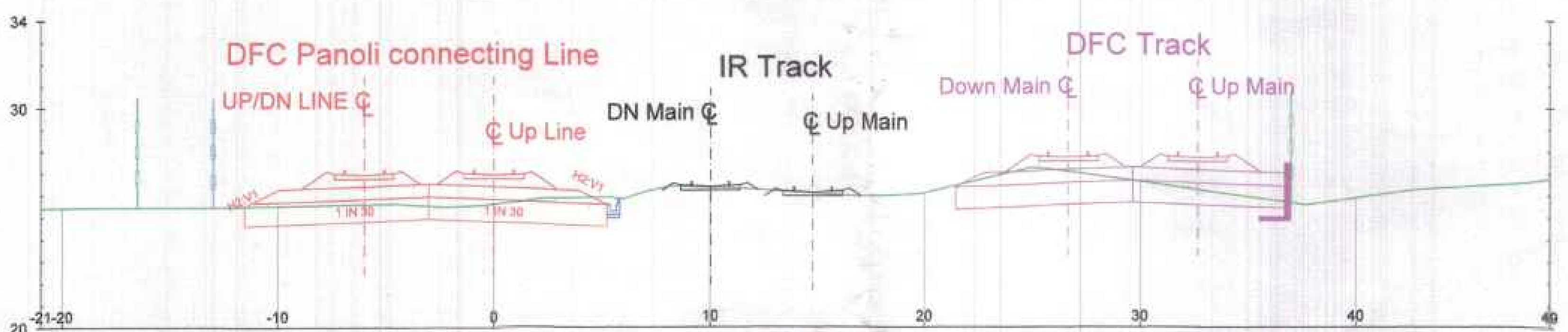
DRG. NO. 13/AL/DG/0154-CD REV-3

13-AL-D00154R3.dwg



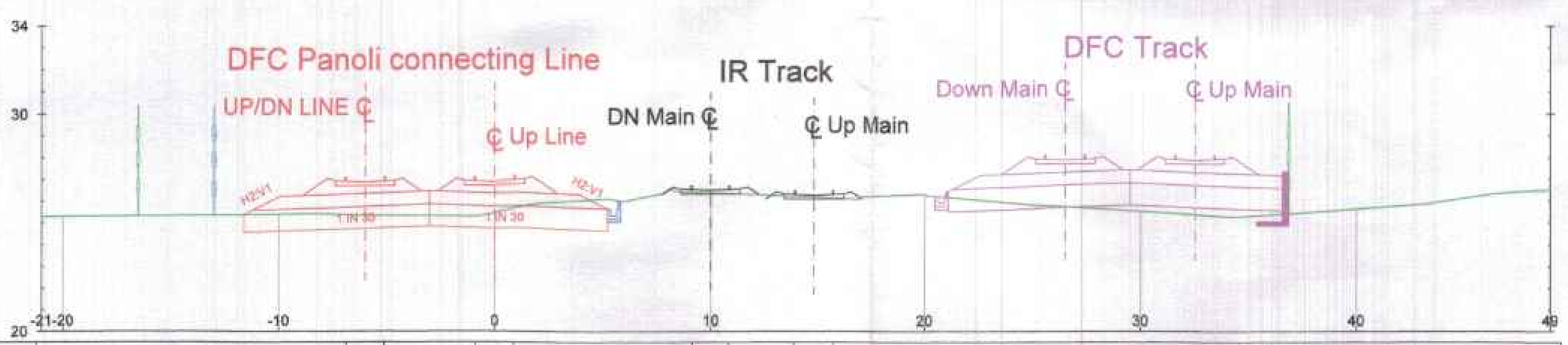
Prop. RL / Ex. RL	27.176 27.176 27.176 27.176 26.673 26.677 26.379 26.387
Prop. FL	25.635 25.660 26.303 26.434 26.534 26.434 26.303 25.660 25.841
Ground Level	25.529 25.635 25.636 25.623 25.588 25.531 25.726 25.900 25.855 25.841 26.107 26.129 26.425
Offset	-20.000 -19.647 -13.447 -11.267 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.396 10.049 15.000 20.000 25.000 26.814 32.815 37.120

Chainage 58+100.000



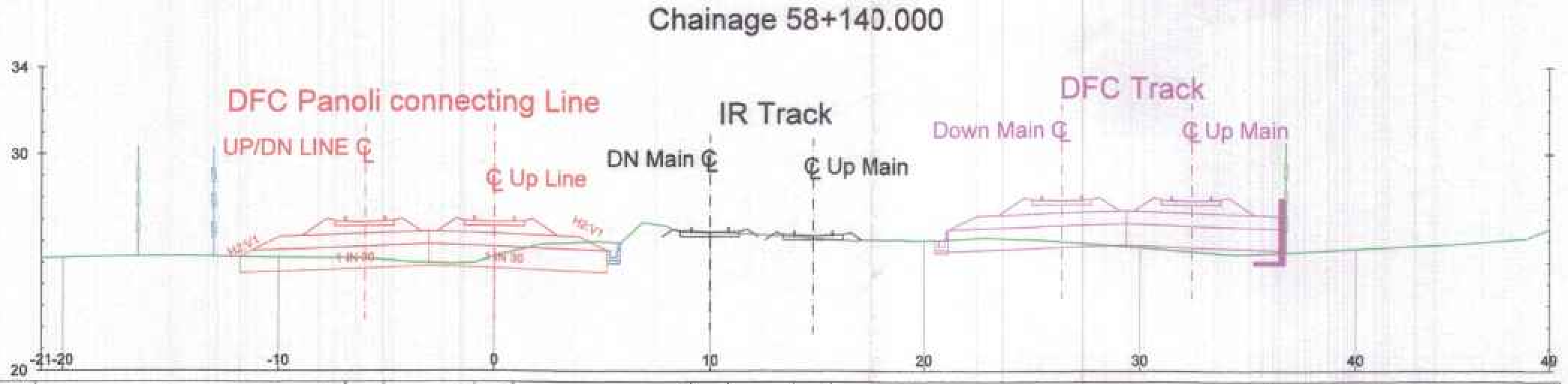
Prop. RL / Ex. RL	27.143 27.143 27.143 27.143 26.648 26.650 26.383 26.382
Prop. FL	25.471 25.627 26.270 26.401 26.501 26.401 26.270 25.627 25.946
Ground Level	25.417 25.471 25.478 25.504 25.589 25.495 25.587 25.942 25.971 25.946 26.113 26.154 27.293
Offset	-20.000 -19.604 -13.404 -11.528 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.535 10.022 15.000 20.000 25.000 26.667 32.667 36.998

Chainage 58+120.000



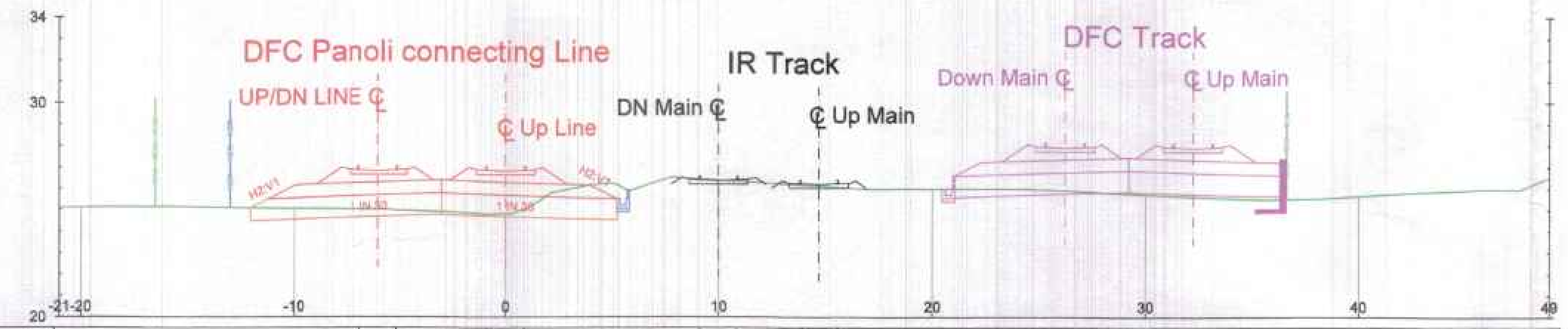
Prop. RL / Ex. RL	27.110 27.110 27.110 27.110 26.622 26.622 26.397 26.396
Prop. FL	25.394 25.594 26.237 26.368 26.468 26.368 26.237 25.594 25.975
Ground Level	25.316 25.394 25.400 25.420 25.374 25.337 25.462 25.953 26.030 25.975 26.082 26.208 25.760
Offset	-20.000 -19.564 -13.364 -11.616 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.596 9.996 15.000 20.000 25.000 26.520 32.520 36.876

Chainage 58+140.000



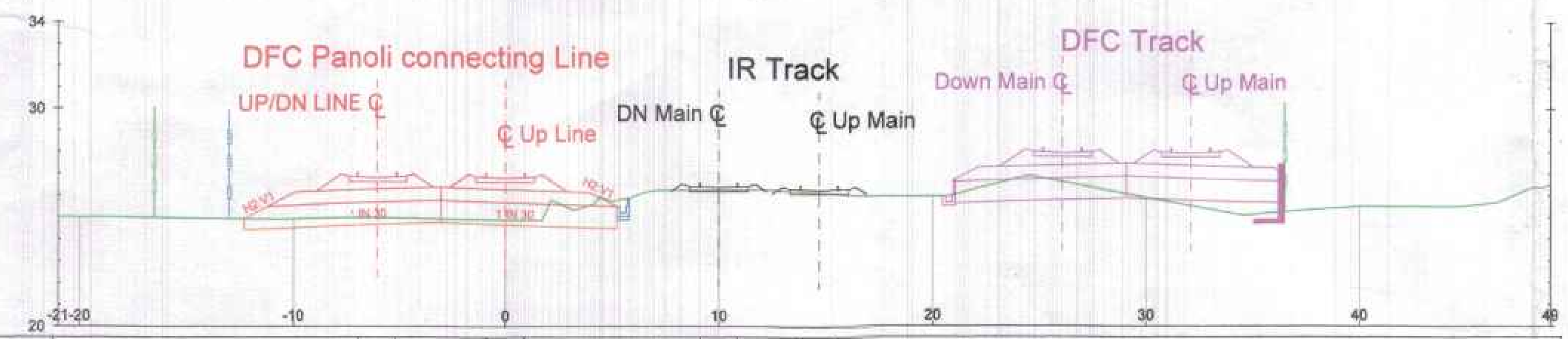
Prop. RL / Ex. RL	27.077 27.077 27.077 27.077 26.597 26.597 26.427 26.439
Prop. FL	25.274 25.561 26.204 26.335 26.435 26.335 26.204 25.561 25.927
Ground Level	25.235 25.274 25.269 25.257 25.189 24.960 25.263 25.939 25.958 25.927 26.112 26.034 26.064
Offset	-20.000 -19.521 -13.321 -11.790 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.582 9.981 15.000 20.000 25.000 26.373 32.373 36.754

Chainage 58+160.000



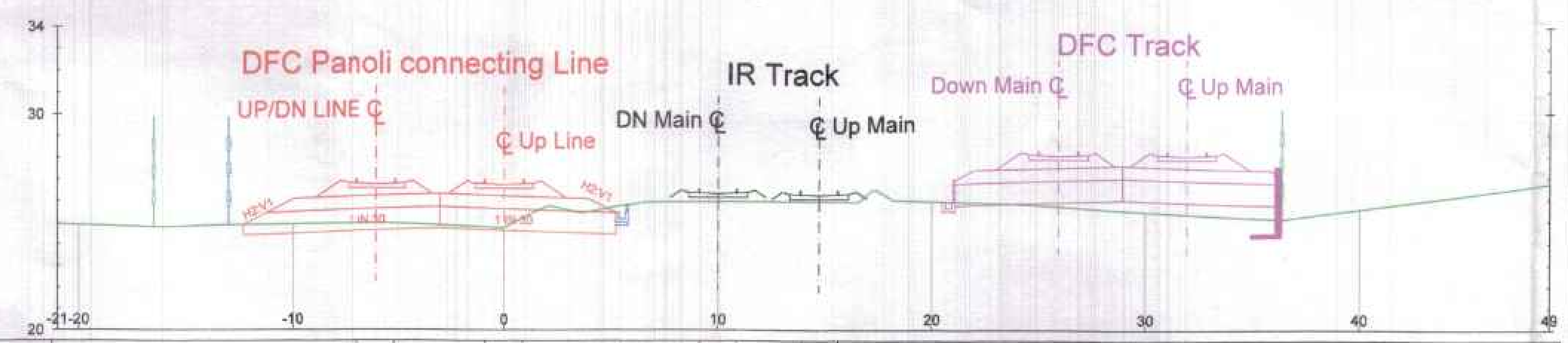
Prop. RL / Ex. RL	27.044 27.044 27.044 27.044 26.575 26.579 26.423 26.421
Prop. FL	25.112 25.528 26.171 26.302 26.402 26.302 26.171 25.528 25.955
Ground Level	25.119 25.112 25.099 25.079 25.026 24.921 24.837 26.166 26.185 25.955 26.113 26.008 25.950
Offset	-20.000 -19.471 -13.271 -12.048 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.643 9.991 15.000 20.000 25.000 26.226 32.226 36.632

Chainage 58+180.000



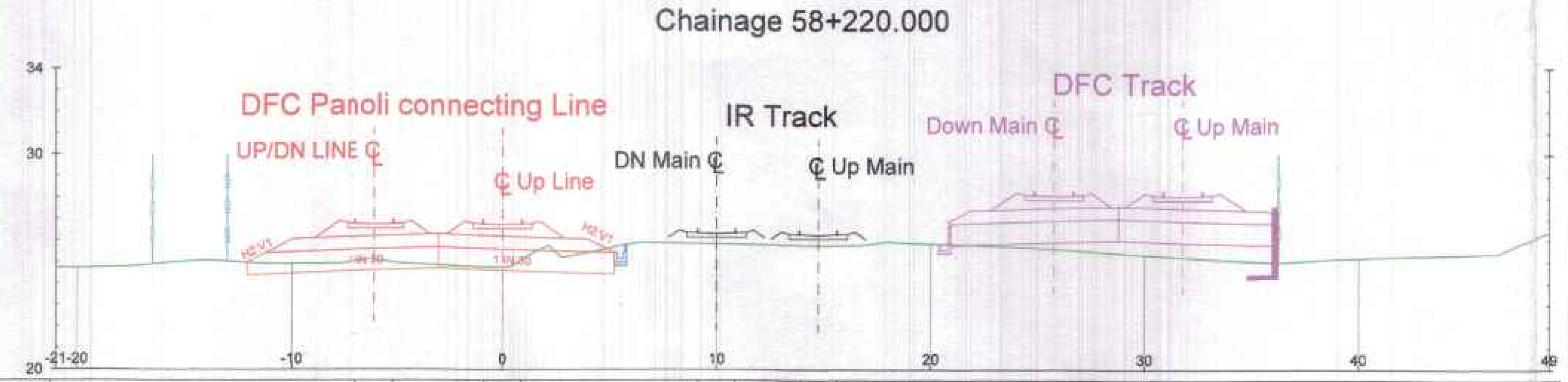
Prop. RL / Ex. RL	27.011 27.011 27.011 27.011 26.557 26.560 26.443 26.447
Prop. FL	24.950 25.495 26.138 26.269 26.369 26.269 26.138 25.495 25.812
Ground Level	25.012 24.950 24.939 24.940 24.964 24.928 24.892 25.535 25.763 25.812 26.096 25.985 26.850
Offset	-20.000 -19.420 -13.220 -12.305 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.532 9.999 15.000 20.000 25.000 26.078 32.078 36.510

Chainage 58+200.000



Prop. RL / Ex. RL	26.978 26.978 26.978 26.978 26.539 26.541 26.462 26.471
Prop. FL	24.912 25.462 26.105 26.236 26.336 26.236 26.105 25.462 25.782
Ground Level	24.891 24.912 24.922 24.933 24.969 24.881 24.773 25.507 25.733 25.782 25.963 25.920 25.749
Offset	-20.000 -19.370 -13.170 -12.315 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.536 10.008 15.000 20.000 25.000 25.931 31.931 36.389

Chainage 58+220.000



Prop. RL / Ex. RL	26.945 26.945 26.945 26.945 26.532 26.522 26.457 26.459
Prop. FL	24.990 25.429 26.072 26.203 26.303 26.203 26.072 25.429 25.752
Ground Level	24.714 24.990 24.942 24.924 25.093 24.861 24.776 25.429 25.687 25.752 25.774 25.866 25.656
Offset	-20.000 -19.320 -13.120 -12.093 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.539 9.998 15.000 20.000 25.000 25.784 31.784 36.287

Chainage 58+240.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submtal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature)
Reviewed:
Authorised Signatory: (signature)
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705.
(C.S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC. REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **

- EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE — ROW
- PROPOSED NALLA DIVERSION
- INNER EDGE OF PROPOSED ROAD — PRD
- INNER EDGE OF NOT IN SCOPE SERVICE ROAD — NSR
- BLANKET
- SUBGRADE
- EXISTING GROUND
- FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/28382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI&CO., LTD. | L&T | TATA

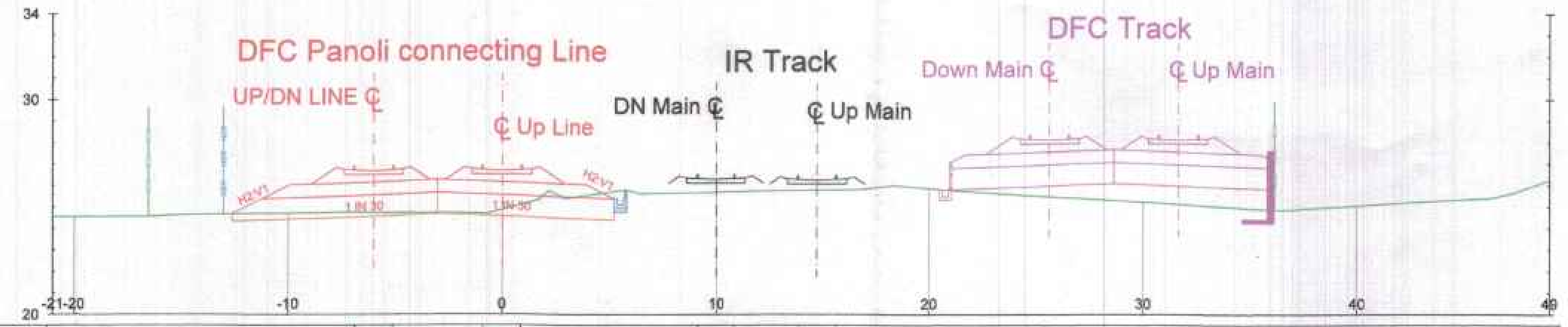
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 58+100 TO CH. 58+240

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019

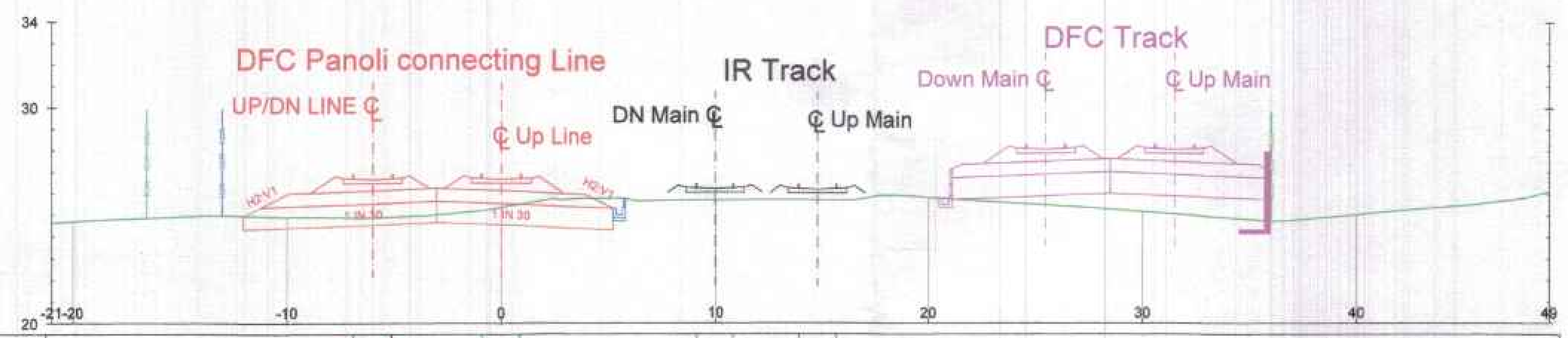
DRG. NO. 13/AL/DG/0155-CD REV-3

13-AL-00015583.dwg



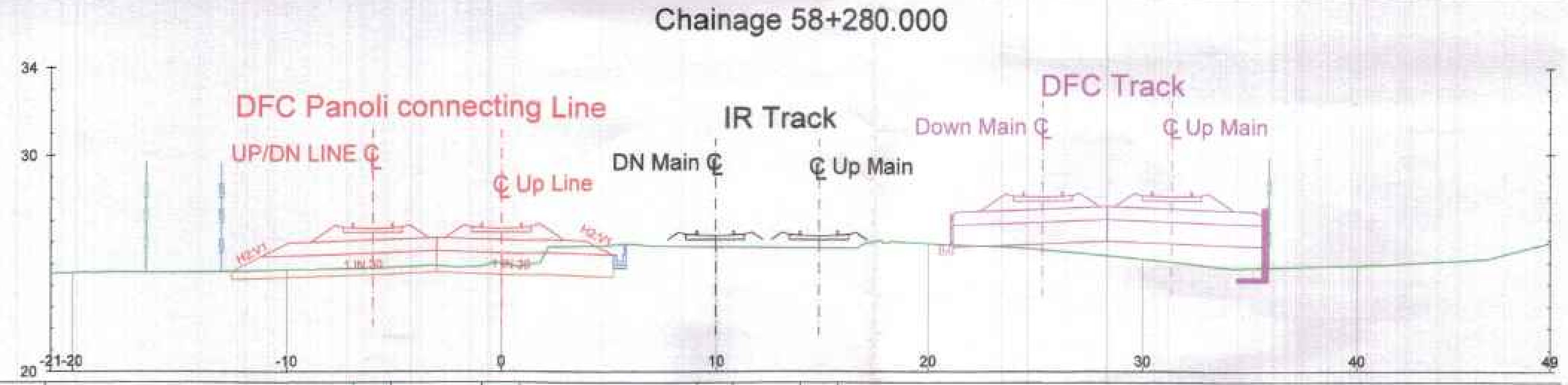
Row	Values
Prop. RL / Ex. RL	26.912, 26.912, 26.912, 26.912, 26.526, 26.502, 26.439, 26.447
Prop. FL	24.686, 25.396, 26.039, 26.170, 26.270, 26.170, 26.039, 25.396, 25.786
Ground Level	24.560, 24.686, 24.707, 24.725, 24.760, 24.731, 24.869, 25.538, 25.728, 25.786, 25.773, 25.869, 25.520
Offset	-20.000, -19.274, -13.074, -12.636, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.605, 9.986, 15.000, 20.000, 25.000, 25.637, 31.637, 36.145

Chainage 58+260.000



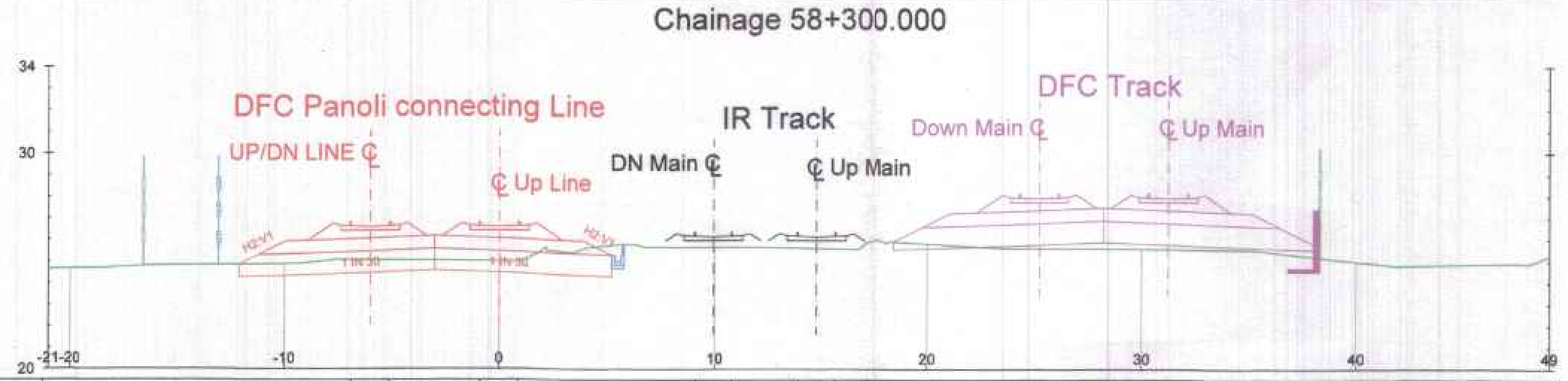
Row	Values
Prop. RL / Ex. RL	26.879, 26.879, 26.879, 26.879, 26.520, 26.482, 26.436, 26.442
Prop. FL	24.951, 25.363, 26.006, 26.137, 26.237, 26.137, 26.006, 25.363, 25.840
Ground Level	24.701, 24.951, 24.933, 24.909, 24.889, 24.997, 25.348, 25.824, 25.836, 25.840, 25.721, 25.877, 25.547
Offset	-20.000, -19.238, -13.038, -12.039, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.693, 9.972, 15.000, 20.000, 25.000, 25.489, 31.490, 36.023

Chainage 58+280.000



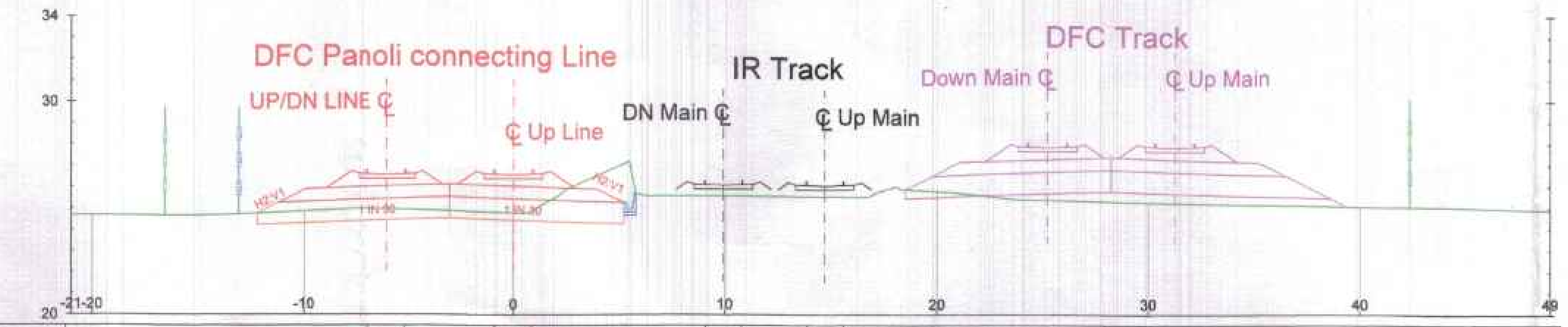
Row	Values
Prop. RL / Ex. RL	26.846, 26.846, 26.846, 26.846, 26.459, 26.423, 26.405, 26.408
Prop. FL	24.649, 25.330, 25.973, 26.104, 26.204, 26.104, 25.973, 25.330, 25.834
Ground Level	24.595, 24.649, 24.694, 24.731, 24.820, 24.909, 25.024, 25.745, 25.786, 25.834, 25.640, 25.861, 25.603
Offset	-20.000, -19.202, -15.702, -12.577, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.720, 9.962, 15.000, 20.000, 25.000, 25.343, 31.344, 35.901

Chainage 58+300.000



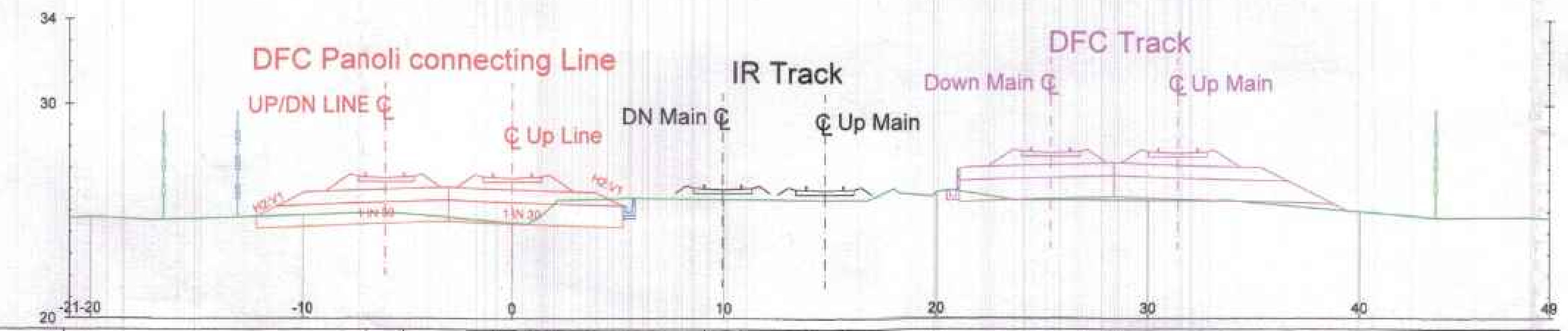
Row	Values
Prop. RL / Ex. RL	26.813, 26.813, 26.813, 26.813, 26.376, 26.349, 26.340, 26.343
Prop. FL	24.860, 25.297, 25.940, 26.071, 26.171, 26.071, 25.940, 25.297, 25.795
Ground Level	24.674, 24.860, 24.875, 24.896, 25.069, 25.030, 24.995, 25.582, 25.751, 25.795, 25.586, 25.837, 25.607
Offset	-20.000, -19.126, -15.626, -12.090, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.714, 9.951, 15.000, 20.000, 25.000, 25.239, 31.240, 38.311

Chainage 58+320.000



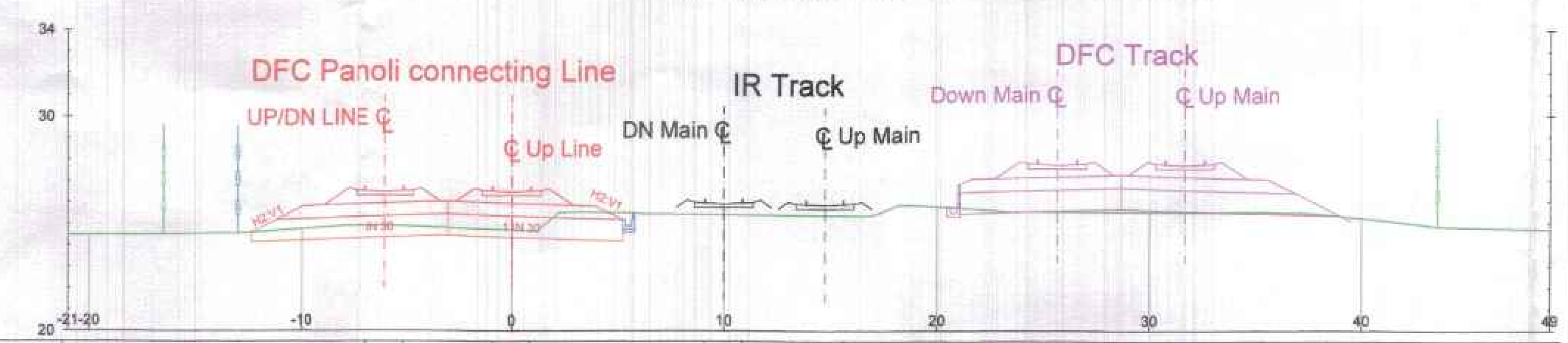
Row	Values
Prop. RL / Ex. RL	26.780, 26.780, 26.780, 26.780, 26.293, 26.276, 26.247, 26.254
Prop. FL	24.768, 25.264, 25.907, 26.038, 26.137, 26.038, 25.907, 25.264, 25.563
Ground Level	24.659, 24.768, 24.805, 24.853, 24.947, 24.872, 24.778, 26.518, 27.085, 25.563, 25.541, 25.804, 25.392
Offset	-20.000, -19.042, -15.541, -12.208, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 7.116, 9.941, 15.000, 20.000, 25.000, 25.251, 31.252, 42.341

Chainage 58+340.000



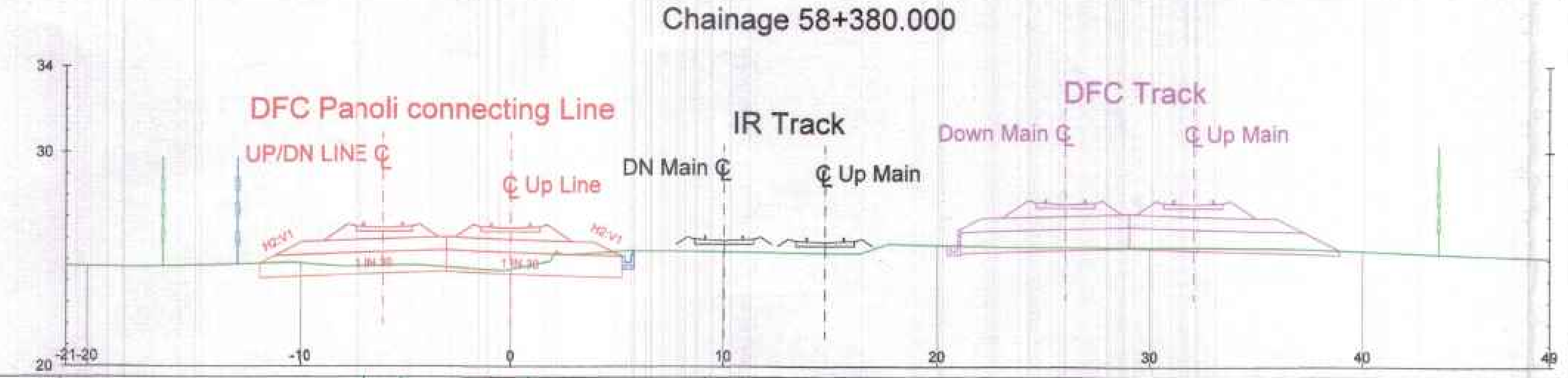
Row	Values
Prop. RL / Ex. RL	26.746, 26.746, 26.746, 26.746, 26.219, 26.208, 26.155, 26.164
Prop. FL	24.740, 25.231, 25.873, 26.004, 26.104, 26.004, 25.873, 25.231, 25.597
Ground Level	24.685, 24.740, 24.771, 24.806, 24.895, 24.695, 24.458, 25.560, 25.589, 25.597, 25.541, 25.928, 25.573
Offset	-20.000, -18.980, -15.480, -12.197, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.583, 9.950, 15.000, 20.000, 25.000, 25.396, 31.397, 43.567

Chainage 58+360.000



Row	Values
Prop. RL / Ex. RL	26.713, 26.713, 26.713, 26.713, 26.161, 26.153, 26.079, 26.087
Prop. FL	24.620, 25.198, 25.840, 25.971, 26.071, 25.971, 25.840, 25.198, 25.524
Ground Level	24.486, 24.620, 24.696, 24.781, 24.919, 24.823, 24.721, 25.558, 25.531, 25.524, 25.396, 25.759, 25.501
Offset	-20.000, -18.965, -15.465, -12.370, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.543, 9.992, 15.000, 20.000, 25.000, 25.673, 31.674, 43.564

Chainage 58+380.000



Row	Values
Prop. RL / Ex. RL	26.680, 26.680, 26.680, 26.680, 26.102, 26.098, 26.022, 26.025
Prop. FL	24.812, 25.164, 25.807, 25.938, 26.038, 25.938, 25.807, 25.164, 25.406
Ground Level	24.677, 24.812, 24.834, 24.819, 24.701, 24.647, 24.554, 25.312, 25.391, 25.406, 25.311, 25.697, 25.603
Offset	-20.000, -18.950, -15.450, -11.921, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.457, 10.033, 15.000, 20.000, 25.000, 26.039, 32.040, 43.561

Chainage 58+400.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submtal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature)
Reviewed:
Authorised Signatory: (signature)
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative (signature) | Date

N. RAMAKRISHNA RAJU
Chief Design Engineer
(signature)

STUP CONSULTANTS PVT. LTD. PLOT NO 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL. 40887777 Navi Mumbai 400705
(signature) (C.S.K. Pathak)

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13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
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THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/25982 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI&CO., LTD. | TATA

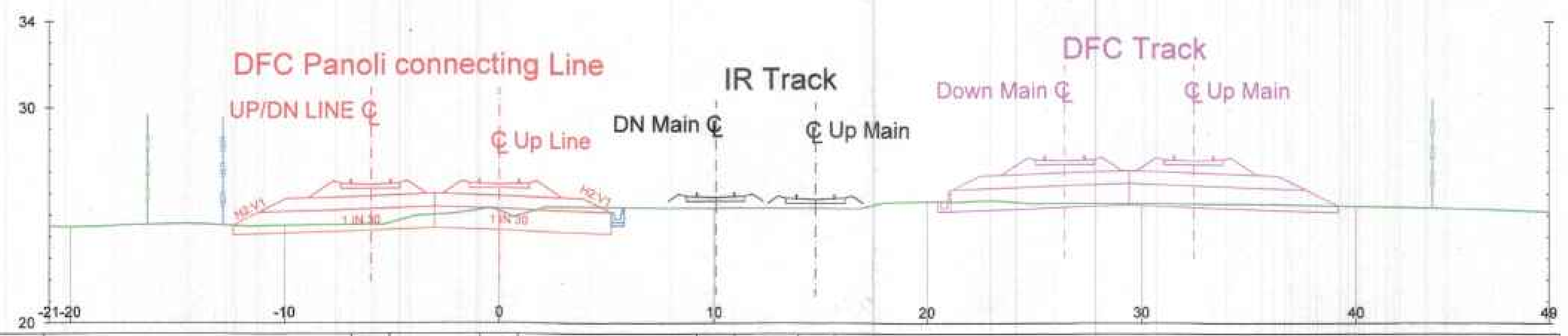
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS
FROM CH. 58+260 TO CH. 58+400

JOB NO: 8309			SIZE: A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019

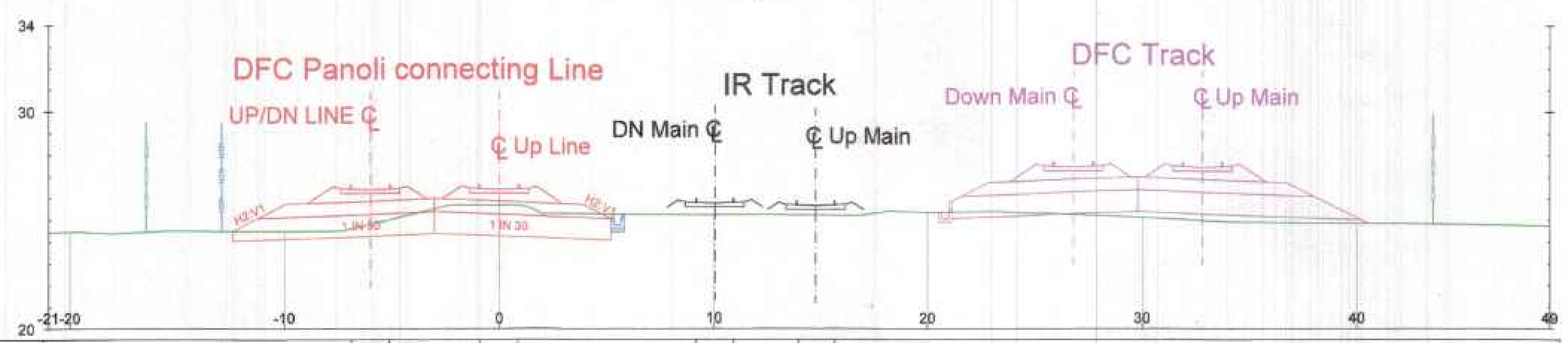
DRG. NO. 13/AL/DG/0156-CD | REV-3

13-AL-0G0156R3.dwg



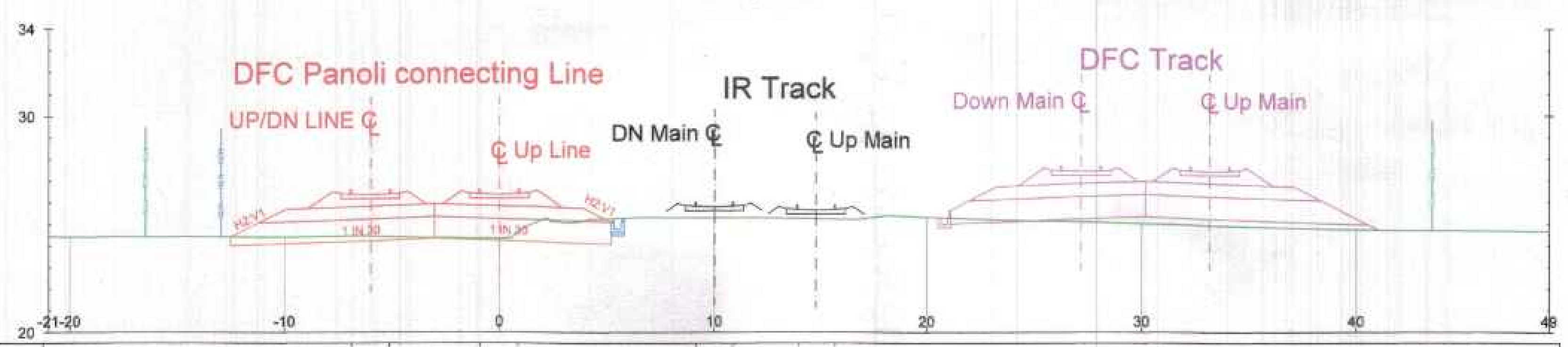
Prop. RL / Ex. RL	26.647 26.647 26.647 26.647 26.044 26.043 25.935 25.942
Prop. FL	24.529 25.131 25.774 25.905 26.005 25.905 25.774 25.131 25.367
Ground Level	24.458 24.529 24.505 24.539 24.591 25.018 25.197 25.375 25.369 25.367 25.309 25.636 25.554
Offset	-20.000 -18.908 -15.408 -12.421 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.452 10.075 15.000 20.000 25.000 26.421 32.422 43.558

Chainage 58+420.000



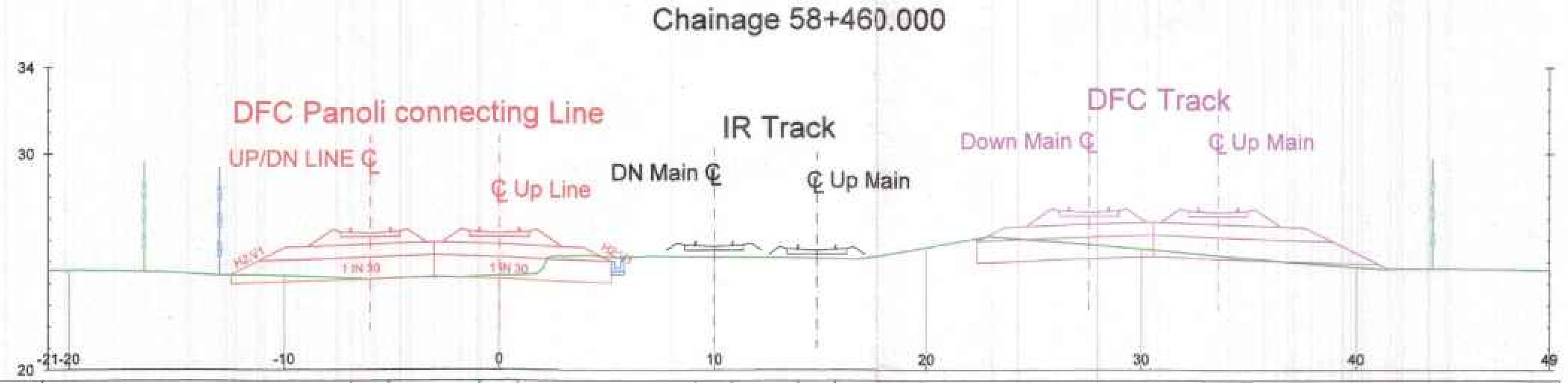
Prop. RL / Ex. RL	26.614 26.614 26.614 26.614 26.028 26.004 25.885 25.877
Prop. FL	24.491 25.098 25.741 25.872 25.972 25.872 25.741 25.098
Ground Level	24.463 24.491 24.500 24.501 24.817 25.495 25.670 25.319 25.313 25.232 25.381 25.345
Offset	-20.000 -18.860 -15.360 -12.429 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 10.048 15.000 20.000 25.000 26.802 32.803 43.555

Chainage 58+440.000



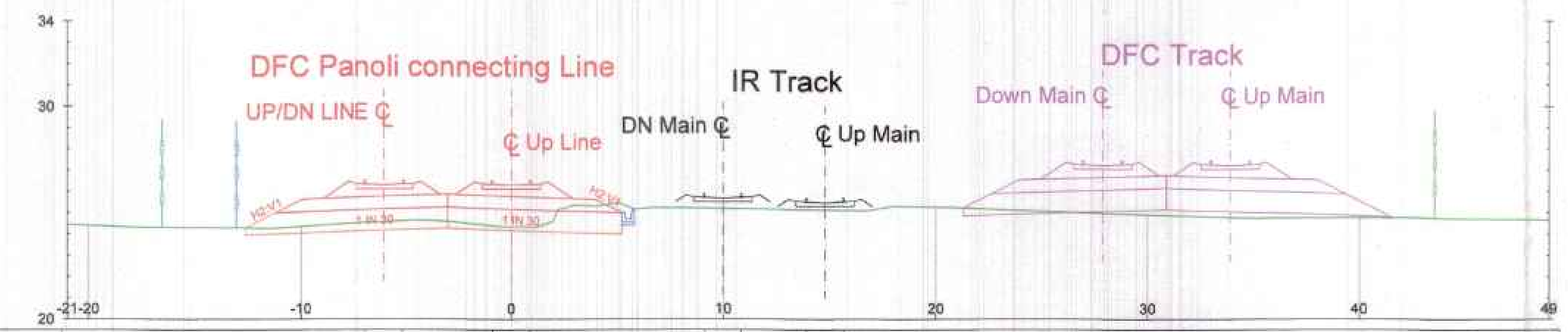
Prop. RL / Ex. RL	26.581 26.581 26.581 26.581 26.013 25.966 25.816 25.812
Prop. FL	24.411 25.065 25.708 25.839 25.939 25.839 25.708 25.065 25.244
Ground Level	24.419 24.411 24.414 24.415 24.456 24.361 24.326 25.135 25.237 25.244 25.197 25.306 25.145
Offset	-20.000 -18.813 -15.313 -12.524 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.395 10.018 15.000 20.000 25.000 27.184 33.185 43.552

Chainage 58+460.000



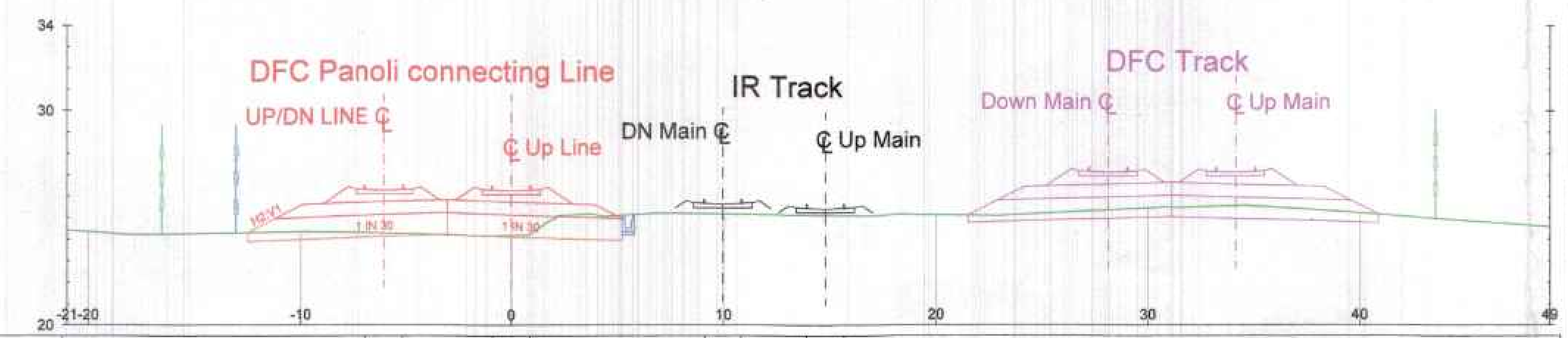
Prop. RL / Ex. RL	26.548 26.548 26.548 26.548 25.998 25.929 25.744 25.749
Prop. FL	24.395 25.032 25.675 25.806 25.906 25.806 25.675 25.032 25.211
Ground Level	24.618 24.395 24.394 24.359 24.214 24.276 24.351 25.295 25.224 25.211 25.156 25.684 26.018
Offset	-20.000 -18.768 -15.268 -12.490 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.395 9.988 15.000 20.000 25.000 27.563 33.564 43.548

Chainage 58+480.000



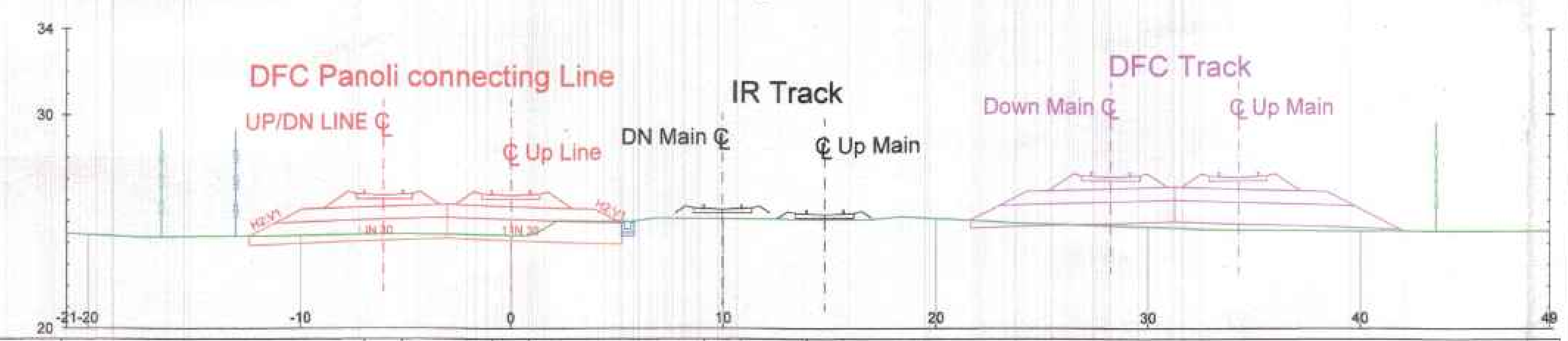
Prop. RL / Ex. RL	26.515 26.515 26.515 26.515 25.945 25.883 25.677 25.688
Prop. FL	24.297 24.999 25.642 25.773 25.873 25.773 25.642 24.999 25.280
Ground Level	24.396 24.297 24.281 24.359 24.555 24.590 24.349 25.314 25.392 25.280 25.124 25.271 25.072
Offset	-20.000 -18.723 -15.223 -12.620 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.497 9.976 15.000 20.000 25.000 27.889 33.889 43.548

Chainage 58+500.000



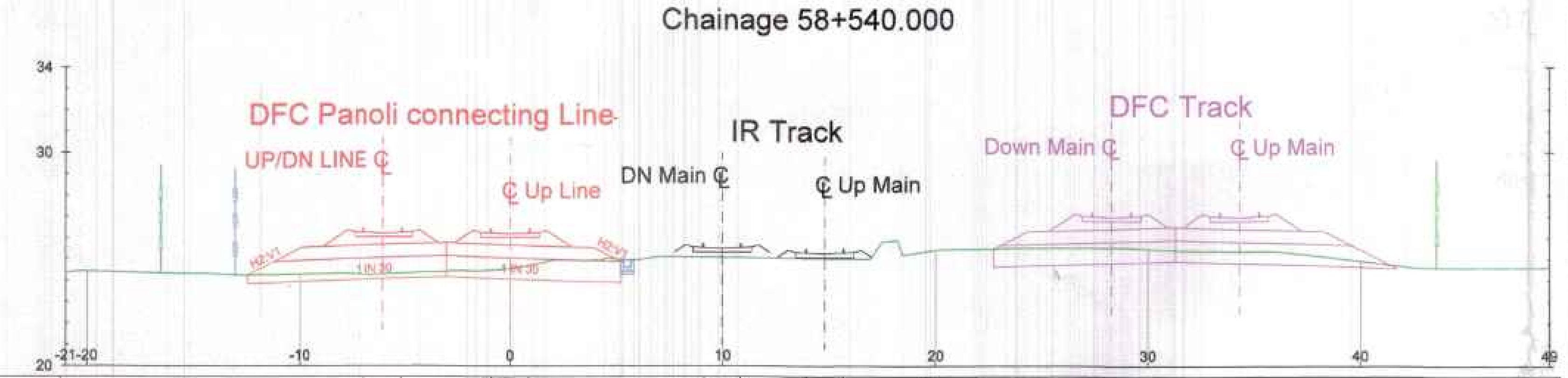
Prop. RL / Ex. RL	26.482 26.482 26.482 26.482 25.866 25.831 25.610 25.624
Prop. FL	24.326 24.966 25.609 25.740 25.840 25.740 25.609 24.966 25.079
Ground Level	24.359 24.326 24.343 24.359 24.280 24.223 24.204 25.160 25.081 25.079 25.118 25.149 25.202
Offset	-20.000 -18.696 -15.196 -12.496 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.329 9.972 15.000 20.000 25.000 28.116 34.117 43.542

Chainage 58+520.000



Prop. RL / Ex. RL	26.449 26.449 26.449 26.449 25.787 25.779 25.547 25.538
Prop. FL	24.333 24.933 25.576 25.707 25.807 25.707 25.576 24.933 25.017
Ground Level	24.387 24.333 24.332 24.352 24.396 24.405 24.353 25.018 25.022 25.017 25.108 25.139 24.889
Offset	-20.000 -18.674 -15.174 -12.415 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.300 9.969 15.000 20.000 25.000 28.244 34.244 43.539

Chainage 58+540.000



Prop. RL / Ex. RL	26.416 26.416 26.416 26.416 25.716 25.727 25.486 25.483
Prop. FL	24.269 24.900 25.543 25.674 25.774 25.674 25.543 24.900 24.983
Ground Level	24.434 24.269 24.282 24.295 24.288 24.433 24.576 24.962 24.992 24.983 25.039 25.445 25.526
Offset	-20.000 -18.645 -15.145 -12.478 -11.216 -9.930 -6.000 -3.000 0.000 3.930 5.216 5.299 9.971 15.000 20.000 25.000 28.278 34.278 43.536

Chainage 58+560.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: Date:
Engineer's Response: NONO
Checked: P.P — Reviewed: — Authorised Signatory: — Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative — Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
C.S.K. Pathak

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/28382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 06-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION — SEAL & SIGN

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC: PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES (OCG CONSORTIUM)

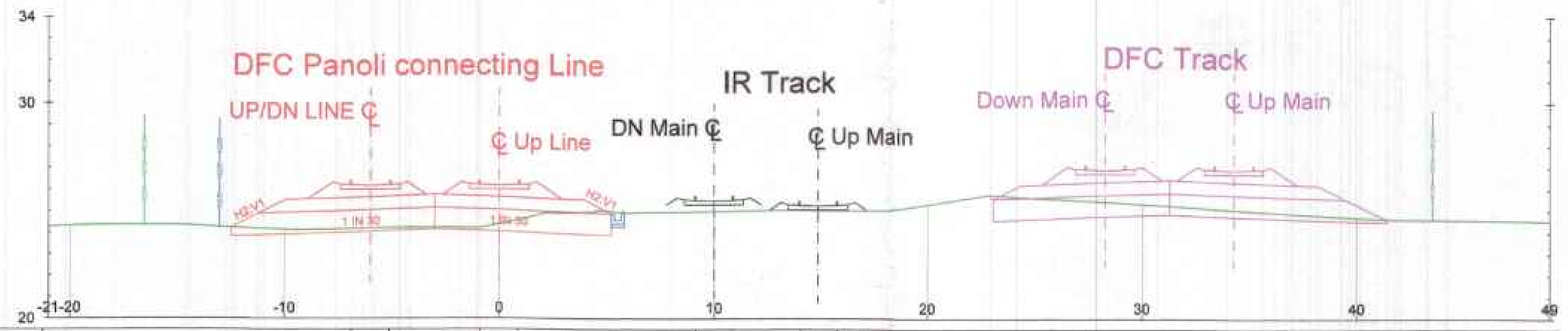
CONTRACTOR: EXPRESS FREIGHT CONSORTIUM — MITSUI & CO., LTD. — IRCON — TATA

DESIGNER: STUP Consultants Pvt. Ltd.

TITLE: DETAILED CROSS SECTIONS FROM CH. 58+420 TO CH. 58+560

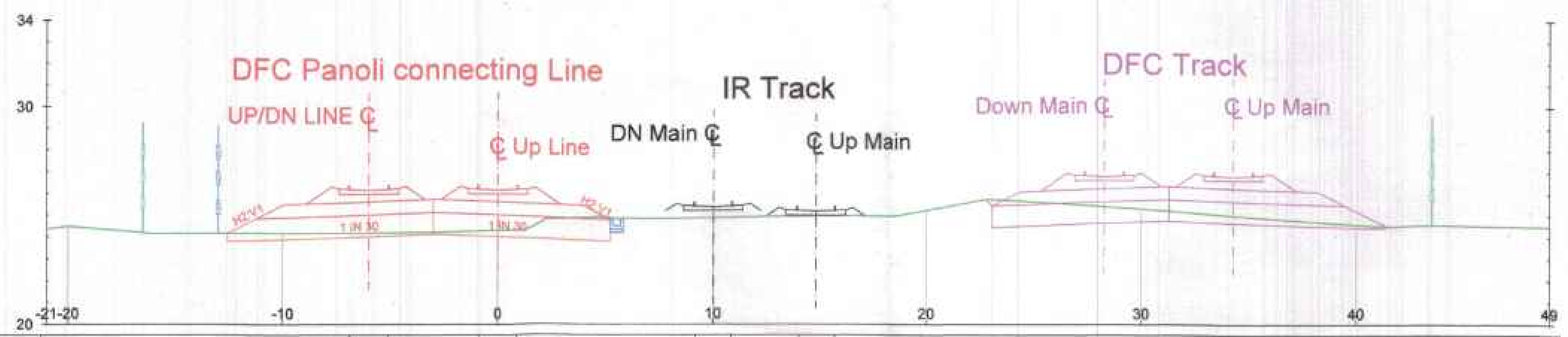
JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019
DRG. NO. 13/AL/DG/0157-CD				REV-3

13-AL-DG0157R3.dwg



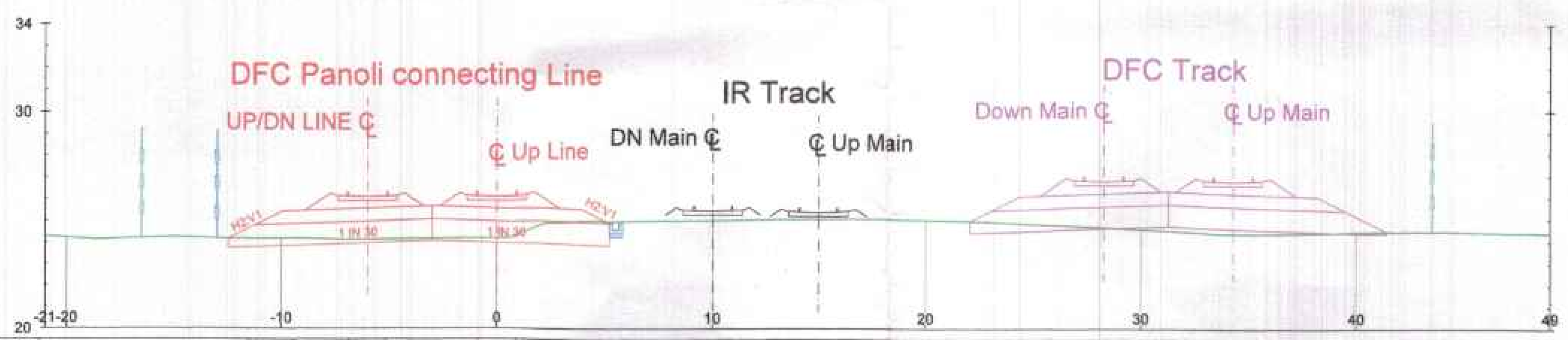
Row	Values
Prop. RL / Ex. RL	26.383, 26.383, 26.383, 26.383, 25.671, 25.676, 25.431, 25.440
Prop. FL	24.223, 24.867, 25.510, 25.641, 25.741, 25.641, 25.510, 24.867, 24.963
Ground Level	24.306, 24.223, 24.179, 24.136, 24.199, 24.212, 24.372, 24.937, 24.973, 24.963, 25.016, 25.302, 25.631
Offset	-20.000, -18.606, -15.106, -12.503, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.312, 9.990, 15.000, 20.000, 25.000, 28.278, 34.278, 43.532

Chainage 58+580.000



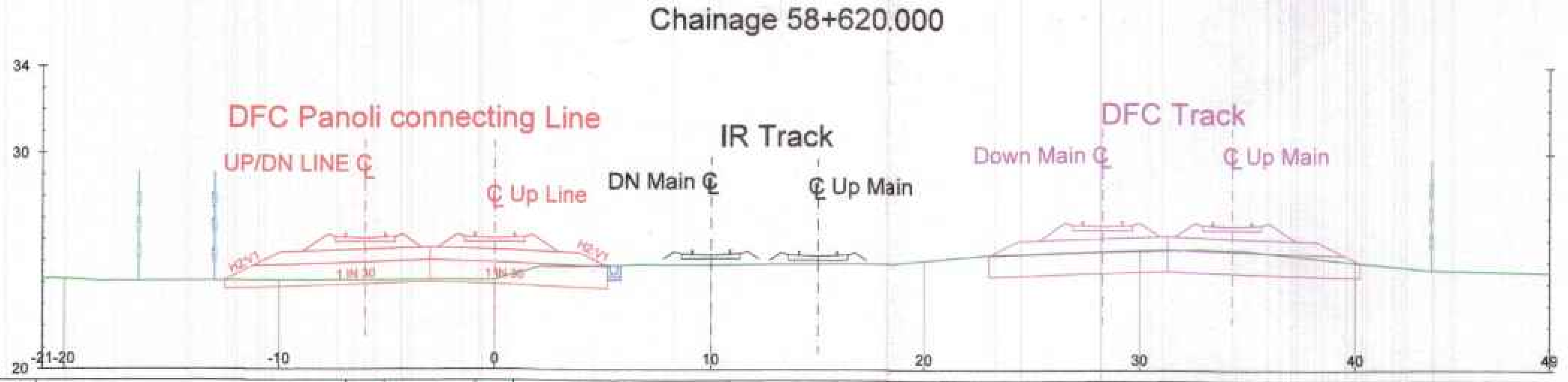
Row	Values
Prop. RL / Ex. RL	26.350, 26.350, 26.350, 26.350, 25.626, 25.625, 25.375, 25.418
Prop. FL	24.149, 24.834, 25.477, 25.608, 25.708, 25.608, 25.477, 24.834, 24.910
Ground Level	24.486, 24.149, 24.162, 24.167, 24.180, 24.192, 24.282, 24.912, 24.917, 24.910, 24.978, 25.271, 25.665
Offset	-20.000, -18.566, -15.066, -12.585, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.292, 10.009, 15.000, 20.000, 25.000, 28.278, 34.278, 43.529

Chainage 58+600.000



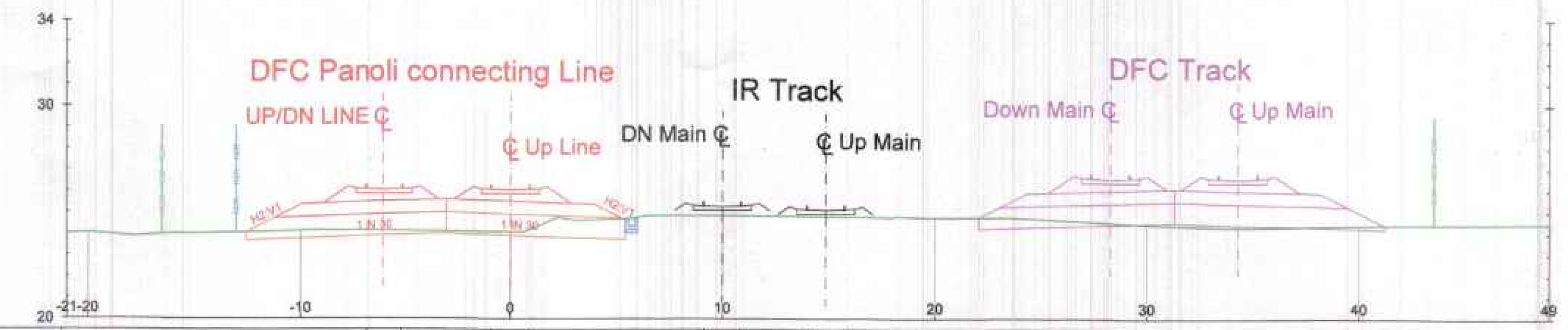
Row	Values
Prop. RL / Ex. RL	26.317, 26.317, 26.317, 26.317, 25.581, 25.574, 25.374, 25.497
Prop. FL	24.161, 24.801, 25.444, 25.575, 25.675, 25.575, 25.444, 24.801, 24.875
Ground Level	24.225, 24.161, 24.172, 24.183, 24.141, 24.167, 24.189, 24.886, 24.875, 24.875, 24.981, 24.956, 24.778
Offset	-20.000, -18.523, -15.023, -12.495, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.290, 10.027, 15.000, 20.000, 25.000, 28.278, 34.278, 43.526

Chainage 58+620.000



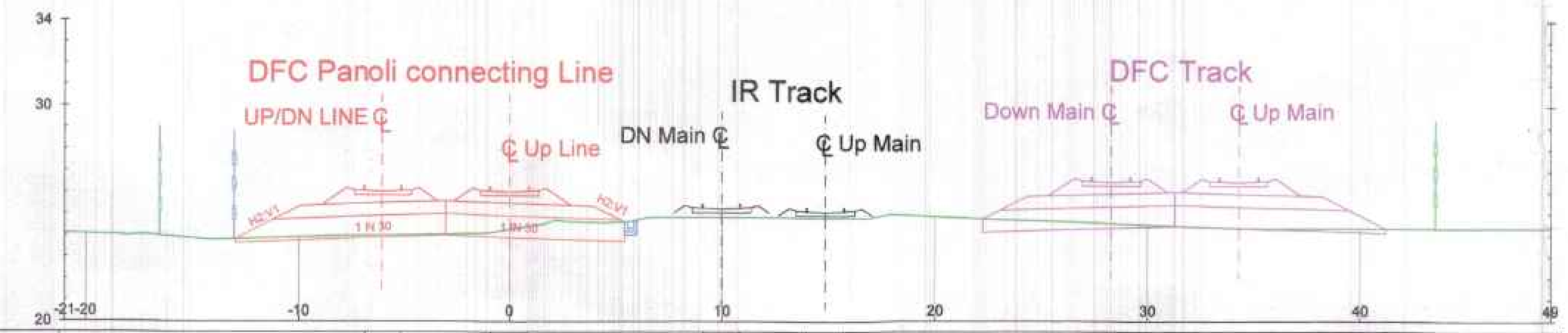
Row	Values
Prop. RL / Ex. RL	26.283, 26.283, 26.283, 26.283, 25.524, 25.526, 25.364, 25.461
Prop. FL	24.104, 24.768, 25.410, 25.541, 25.641, 25.541, 25.410, 24.833
Ground Level	24.182, 24.104, 24.118, 24.128, 24.136, 24.135, 24.140, 24.786, 24.823, 24.896, 25.049, 25.377
Offset	-20.000, -18.478, -14.978, -12.543, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.266, 10.011, 15.000, 20.000, 25.000, 28.278, 34.278, 43.523

Chainage 58+640.000



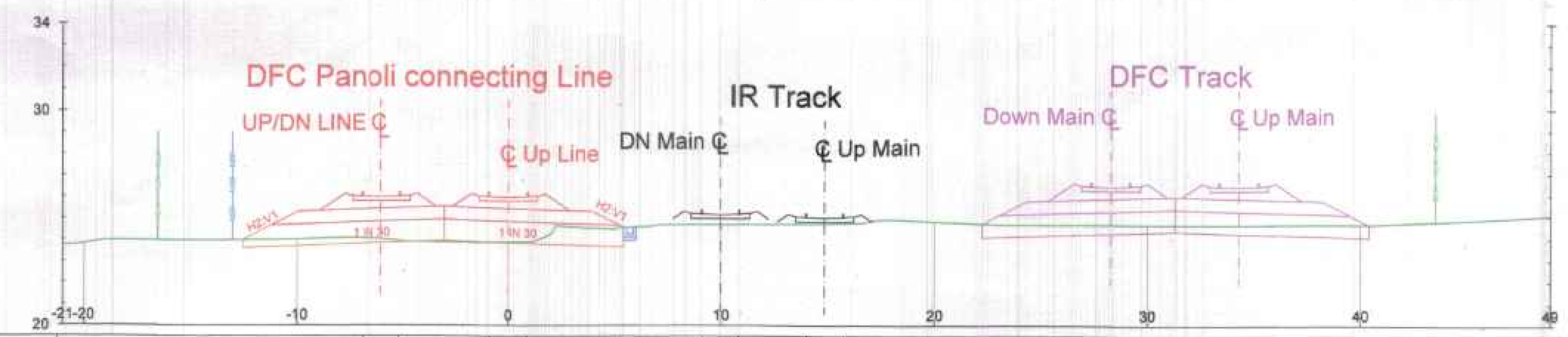
Row	Values
Prop. RL / Ex. RL	26.260, 26.250, 26.250, 26.250, 25.465, 25.479, 25.315, 25.317
Prop. FL	24.067, 24.735, 25.377, 25.508, 25.608, 25.508, 25.377, 24.735
Ground Level	24.024, 24.067, 24.095, 24.126, 24.116, 24.100, 24.077, 24.644, 24.694, 24.805, 24.770, 24.687
Offset	-20.000, -18.438, -14.938, -12.550, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.989, 15.000, 20.000, 25.000, 28.278, 34.278, 43.528

Chainage 58+660.000



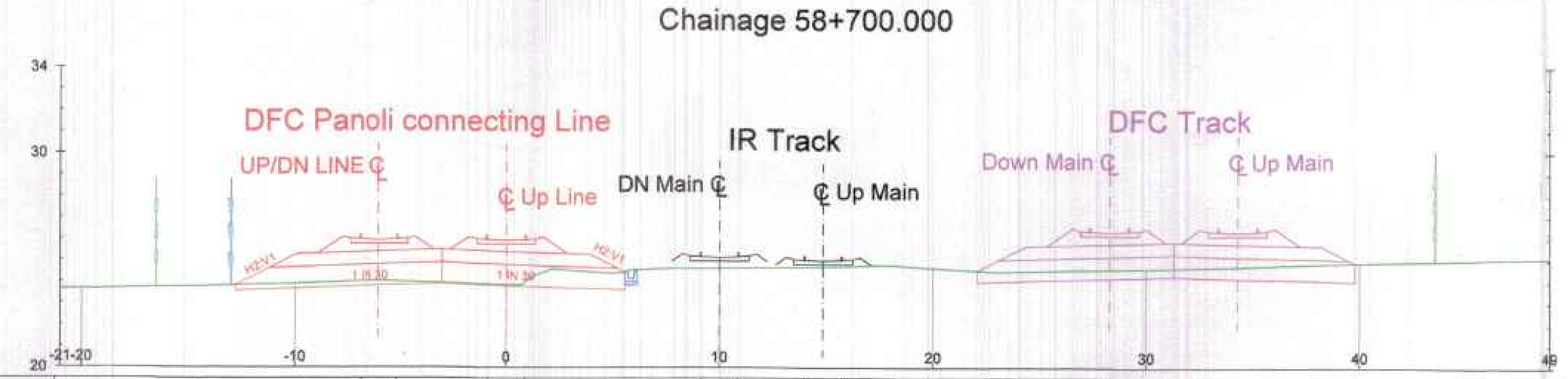
Row	Values
Prop. RL / Ex. RL	26.217, 26.217, 26.217, 26.217, 25.405, 25.432, 25.269, 25.274
Prop. FL	23.817, 24.701, 25.344, 25.475, 25.575, 25.475, 25.344, 24.701
Ground Level	24.048, 23.817, 23.871, 23.900, 23.965, 24.013, 24.259, 24.590, 24.604, 24.801, 24.888, 24.681
Offset	-20.000, -18.407, -14.907, -12.986, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.970, 15.000, 20.000, 25.000, 28.278, 34.278, 43.516

Chainage 58+680.000



Row	Values
Prop. RL / Ex. RL	26.184, 26.184, 26.184, 26.184, 25.365, 25.391, 25.232, 25.231
Prop. FL	23.996, 24.668, 25.311, 25.442, 25.542, 25.442, 25.311, 24.668, 24.577
Ground Level	23.815, 23.996, 24.008, 24.025, 24.038, 23.887, 23.882, 24.548, 24.577, 24.577, 24.766, 24.808, 24.654
Offset	-20.000, -18.376, -14.876, -12.561, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.399, 9.973, 15.000, 20.000, 25.000, 28.278, 34.278, 43.513

Chainage 58+700.000



Row	Values
Prop. RL / Ex. RL	26.151, 26.151, 26.151, 26.151, 25.346, 25.358, 25.211, 25.206
Prop. FL	23.840, 24.635, 25.278, 25.409, 25.509, 25.409, 25.278, 24.635, 24.465
Ground Level	23.660, 23.840, 23.885, 23.915, 24.026, 23.948, 23.868, 24.476, 24.427, 24.465, 24.724, 24.664, 24.508
Offset	-20.000, -18.342, -14.842, -12.806, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.556, 10.001, 15.000, 20.000, 25.000, 28.278, 34.278, 43.509

Chainage 58+720.000

PMC-2R OCG CONSORTIUM	OCG-OCI-NK-NKI-RITES	
Submtal No/ Ltr. Ref. No:		Date:
Engineer's Response		
NONO		
	Name	Signature
Checked	P.P	(signature)
Reviewed		
Authorised Signatory		(signature)
Date: 04-02-2020		

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

- THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
- EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
- PROPOSED NALLA DIVERSION
- INNER EDGE OF PROPOSED ROAD
- INNER EDGE OF NOT IN SCOPE SERVICE ROAD
- BLANKET
- SUBGRADE
- EXISTING GROUND
- FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/29382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:..........................

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD

N. RAMAKRISHNA RAJU
Chief Design Engineer

DESIGNER
STUP Consultants Pvt. Ltd.

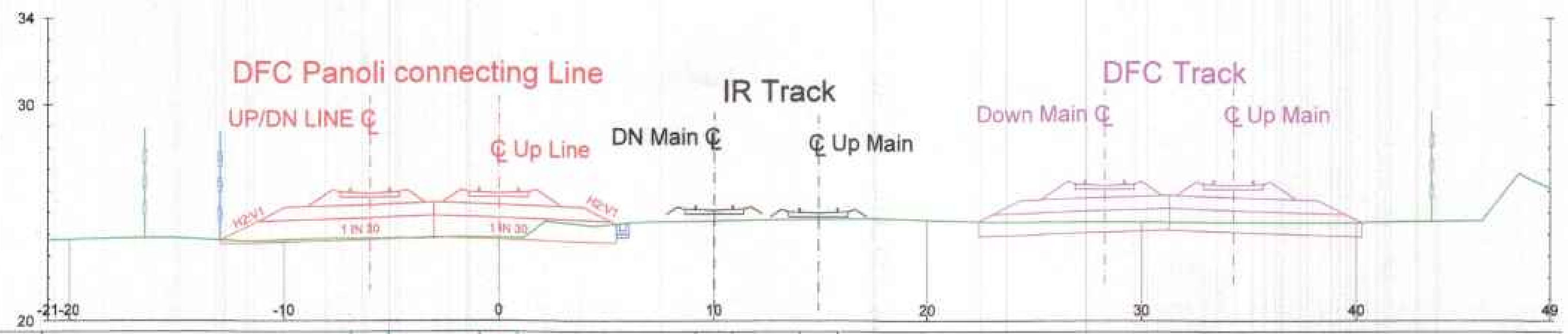
STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705

(S.K. Pathak)

TITLE
DETAILED CROSS SECTIONS FROM CH. 58+580 TO CH. 58+720

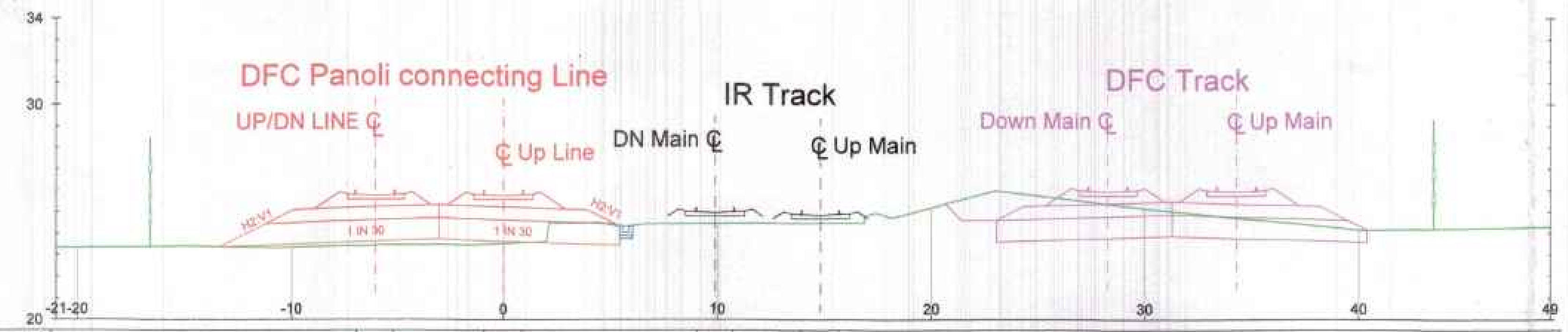
JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE 1:250	BD: (AS BUILT)
APPD	SKP			DATE : 08-JUL-2019
DRG. NO. 13/AL/DG/0158-CD				REV-3

13-AL-D0015BR3.dwg



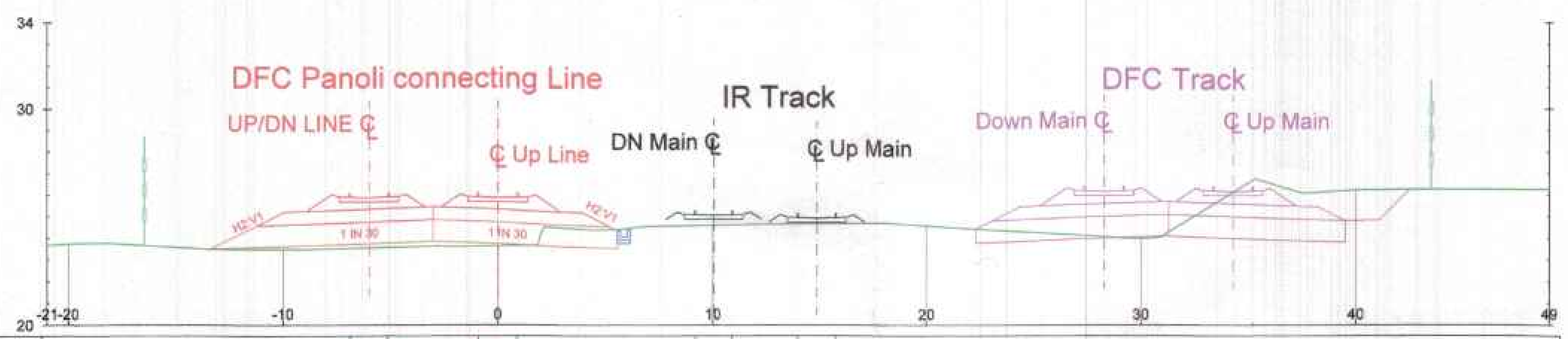
Row	Values
Prop. RL / Ex. RL	26.118, 26.118, 26.118, 26.118, 25.328, 25.325, 25.194, 25.187
Prop. FL	23.741, 24.602, 25.245, 25.376, 25.476, 25.376, 25.245, 24.602, 24.475
Ground Level	23.771, 23.741, 23.702, 23.753, 23.821, 23.834, 23.847, 24.442, 24.453, 24.475, 24.682, 24.657, 24.576
Offset	-20.000, -18.306, -14.806, -12.939, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.470, 10.028, 15.000, 20.000, 25.000, 28.277, 34.277, 43.507

Chainage 58+740.000



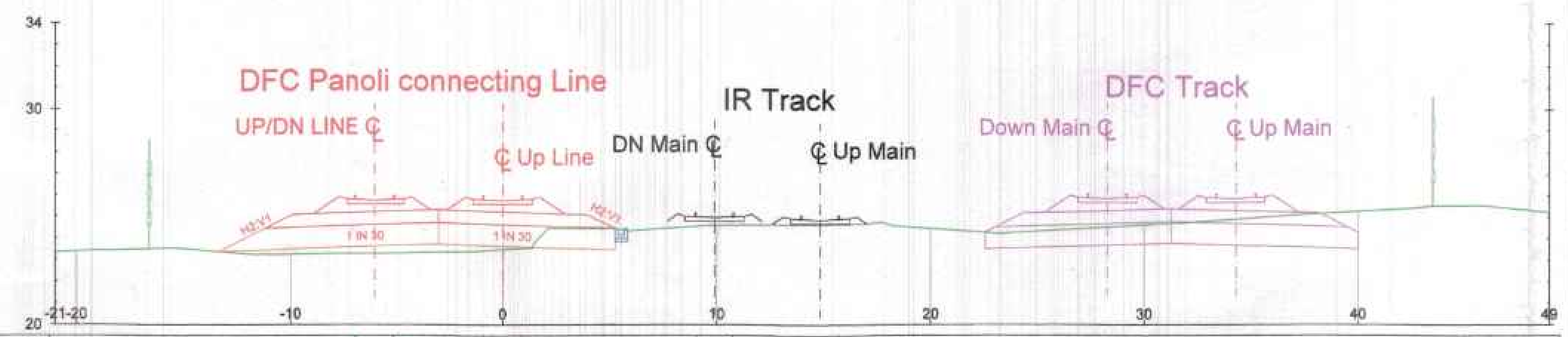
Row	Values
Prop. RL / Ex. RL	25.986, 25.986, 25.986, 25.986, 25.191, 25.217, 25.078, 25.077
Prop. FL	23.406, 24.470, 25.113, 25.244, 25.344, 25.244, 25.113, 24.470, 24.357
Ground Level	23.334, 23.406, 23.363, 23.365, 23.447, 23.478, 23.546, 24.515, 24.394, 24.357, 24.495, 25.205, 25.756
Offset	-20.000, -18.157, -14.656, -13.344, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.442, 9.909, 15.000, 20.000, 25.000, 28.277, 34.277, 43.494

Chainage 58+820.000



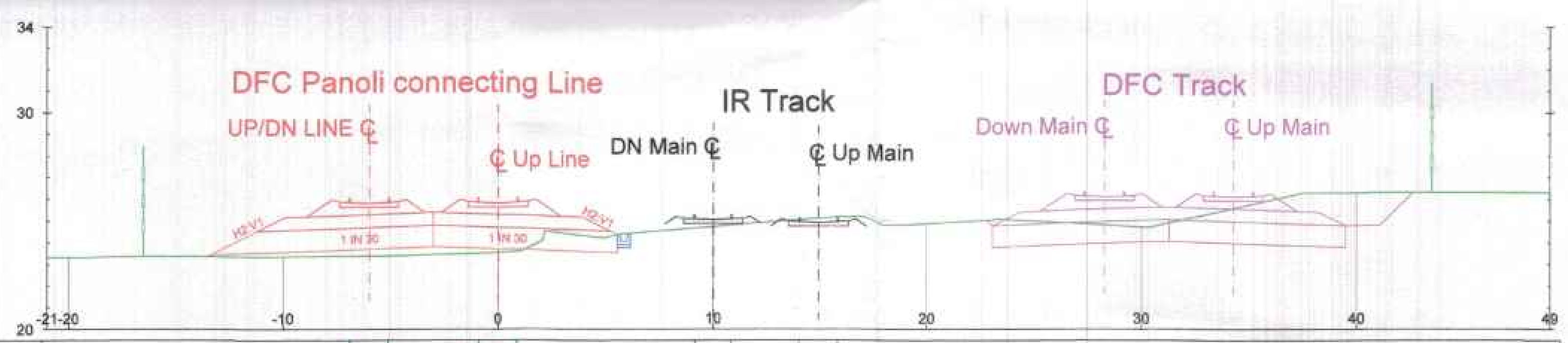
Row	Values
Prop. RL / Ex. RL	26.085, 26.085, 26.085, 26.085, 25.307, 25.292, 25.155, 25.155
Prop. FL	23.475, 24.569, 25.212, 25.343, 25.443, 25.343, 25.212, 24.569
Ground Level	23.737, 23.475, 23.476, 23.477, 23.548, 23.606, 23.641, 24.448, 24.429, 24.689, 24.618, 24.295
Offset	-20.000, -18.270, -14.770, -13.404, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 10.049, 15.000, 20.000, 25.000, 28.277, 34.277, 43.504

Chainage 58+760.000



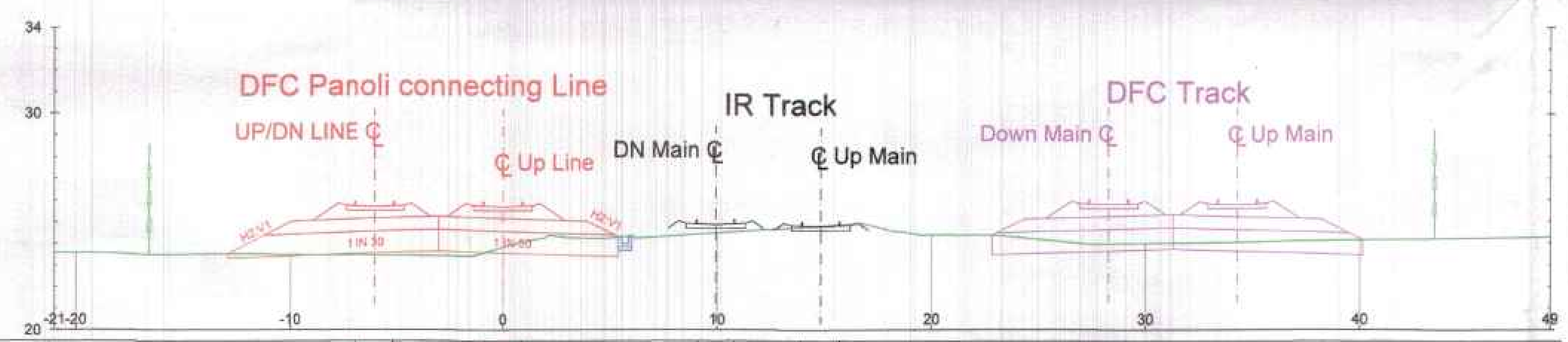
Row	Values
Prop. RL / Ex. RL	25.953, 25.953, 25.953, 25.953, 25.145, 25.170, 25.042, 25.041
Prop. FL	23.372, 24.437, 25.080, 25.211, 25.311, 25.211, 25.080, 24.437, 24.424
Ground Level	23.381, 23.372, 23.247, 23.241, 23.280, 23.339, 23.463, 24.431, 24.428, 24.424, 24.633, 24.483, 24.346
Offset	-20.000, -18.119, -14.618, -13.346, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.242, 9.912, 15.000, 20.000, 25.000, 28.277, 34.277, 43.491

Chainage 58+840.000



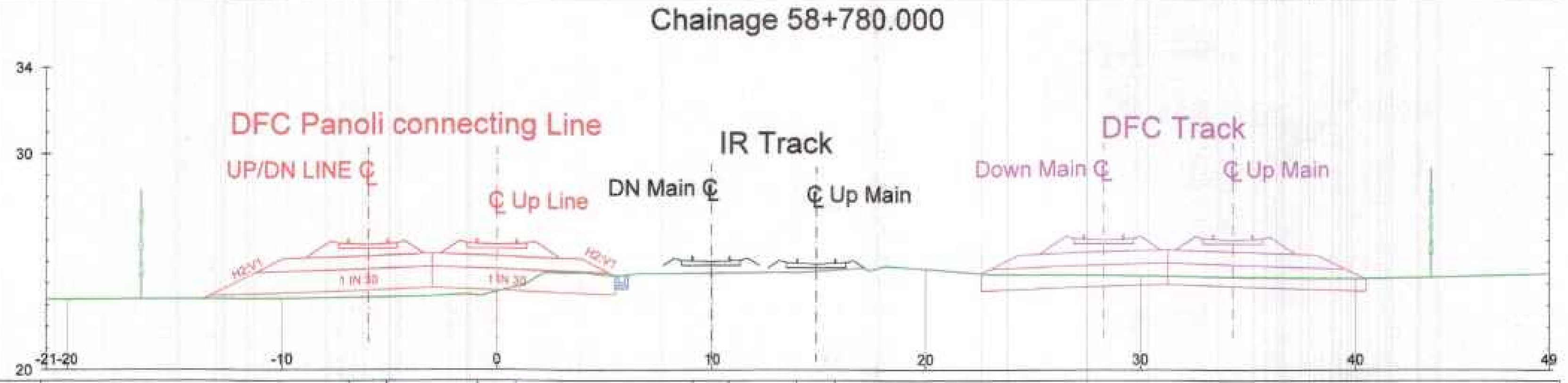
Row	Values
Prop. RL / Ex. RL	26.052, 26.052, 26.052, 26.052, 25.268, 25.267, 25.131, 25.131
Prop. FL	23.370, 24.536, 25.179, 25.310, 25.410, 25.310, 25.179, 24.536, 24.369
Ground Level	23.325, 23.370, 23.353, 23.366, 23.404, 23.463, 23.556, 24.324, 24.296, 24.369, 25.111, 24.874, 24.987
Offset	-20.000, -18.233, -14.732, -13.547, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.551, 10.003, 15.000, 20.000, 25.000, 28.277, 34.277, 43.501

Chainage 58+780.000



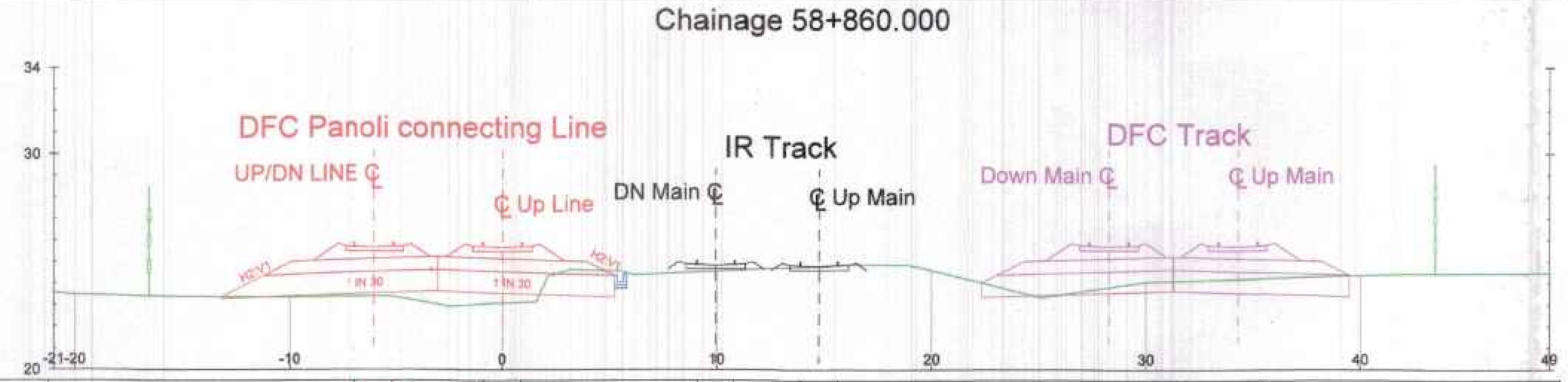
Row	Values
Prop. RL / Ex. RL	25.920, 25.920, 25.920, 25.920, 25.097, 25.113, 25.007, 25.009
Prop. FL	23.554, 24.404, 25.047, 25.178, 25.278, 25.178, 25.047, 24.404, 24.303
Ground Level	23.584, 23.554, 23.540, 23.502, 23.483, 23.468, 23.849, 24.256, 24.287, 24.303, 24.835, 24.373, 24.166
Offset	-20.000, -18.079, -14.579, -12.916, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.416, 9.939, 15.000, 20.000, 25.000, 28.277, 34.277, 43.488

Chainage 58+860.000



Row	Values
Prop. RL / Ex. RL	26.019, 26.019, 26.019, 26.019, 25.229, 25.242, 25.109, 25.109
Prop. FL	23.286, 24.503, 25.146, 25.277, 25.377, 25.277, 25.146, 24.503, 24.370
Ground Level	23.286, 23.286, 23.300, 23.303, 23.366, 23.402, 23.617, 24.510, 24.379, 24.370, 24.563, 24.675, 24.412
Offset	-20.000, -18.195, -14.694, -13.649, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.483, 9.956, 15.000, 20.000, 25.000, 28.277, 34.277, 43.498

Chainage 58+800.000



Row	Values
Prop. RL / Ex. RL	25.887, 25.887, 25.887, 25.887, 25.049, 25.056, 24.975, 24.997
Prop. FL	23.389, 24.371, 25.014, 25.145, 25.245, 25.145, 25.014, 24.371, 24.589
Ground Level	23.478, 23.389, 23.379, 23.369, 23.396, 23.026, 23.096, 24.623, 24.594, 24.587, 24.818, 24.631, 23.366
Offset	-20.000, -18.038, -14.538, -13.178, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.434, 9.966, 15.000, 20.000, 25.000, 28.277, 34.277, 43.485

Chainage 58+880.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature)
Reviewed
Authorised Signatory (signature)
Date: 04-02-2020

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative (signature) Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer (signature)

STUP CONSULTANTS PVT. LTD. PLOT NO. 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
(S.K. Dathak) (signature)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
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13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

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13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L.NO. L/OCGC/DFCC/CMT/CTP-13/1910/28382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L.NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

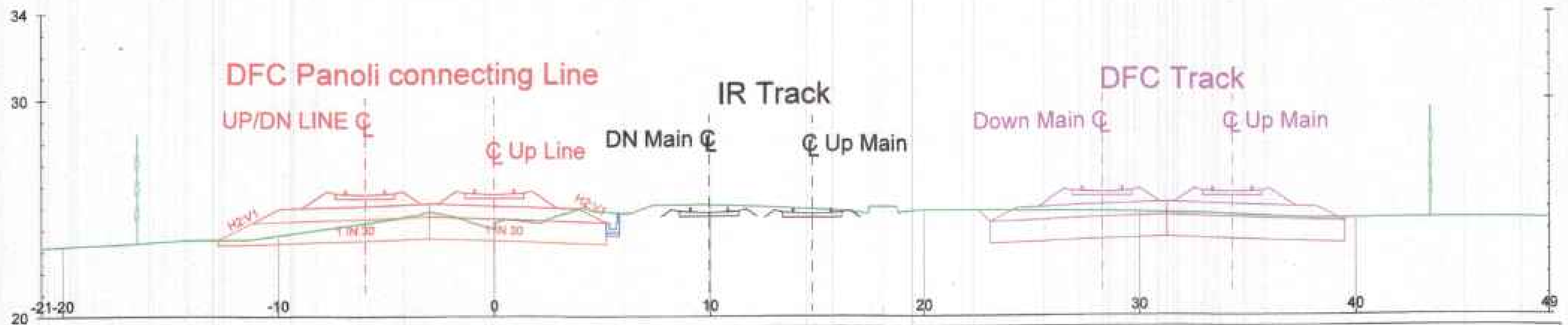
CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | L&T | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 58+740 TO CH. 58+880

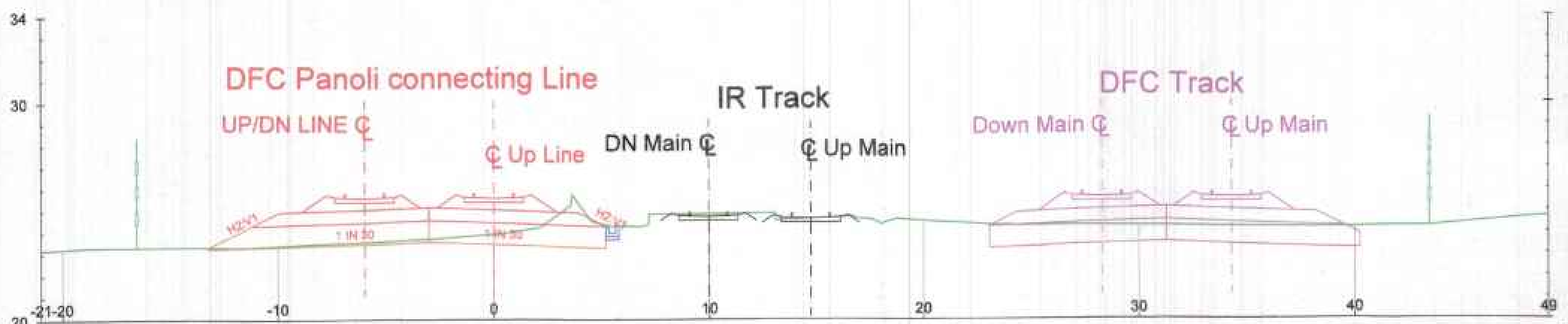
JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08–JUL–2019
DRG. NO. 13/AL/DG/0159-CD				REV-3

13-AL-D0015983.dwg



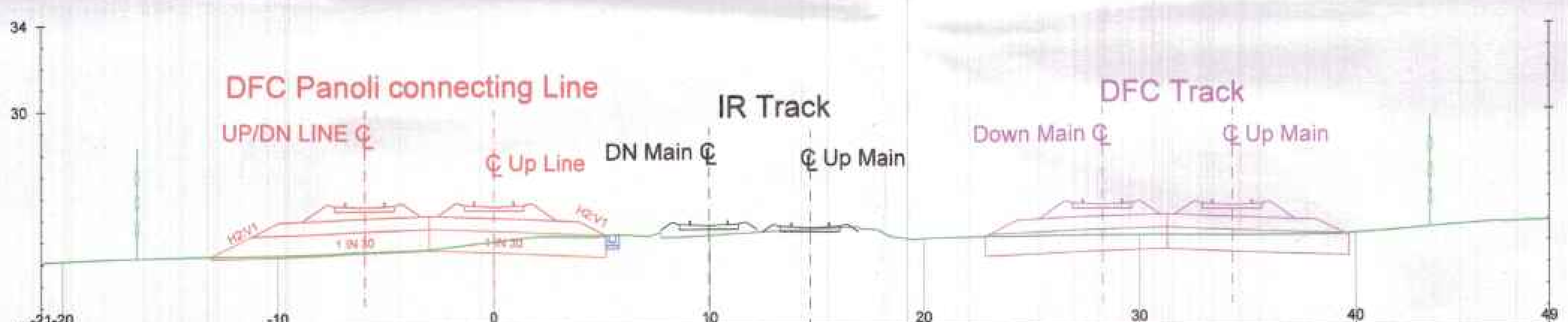
Row	Values
Prop. RL / Ex. RL	25.854, 25.854, 25.854, 25.854, 25.003, 25.005, 24.929, 24.937
Prop. FL	23.547, 24.338, 24.981, 25.112, 25.212, 25.112, 24.981, 24.338, 25.158
Ground Level	23.246, 23.547, 23.580, 23.761, 24.315, 24.824, 24.043, 24.975, 24.685, 25.158, 24.927, 24.875, 24.846
Offset	-20.000, -17.996, -14.496, -12.797, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 7.636, 9.974, 15.000, 20.000, 25.000, 28.277, 34.277, 43.482

Chainage 58+900.000



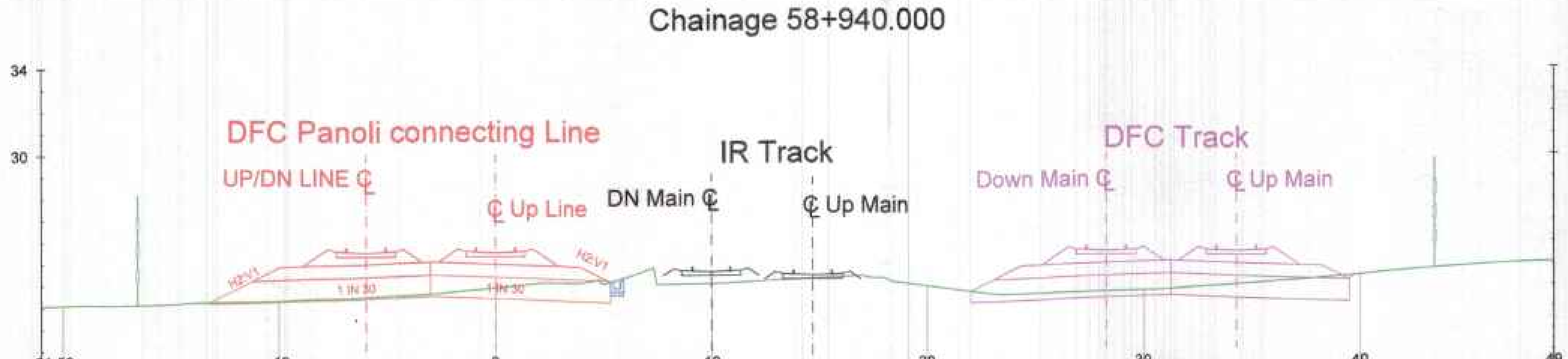
Row	Values
Prop. RL / Ex. RL	25.820, 25.820, 25.820, 25.820, 24.958, 24.959, 24.866, 24.863
Prop. FL	23.304, 24.305, 24.948, 25.078, 25.178, 25.078, 24.948, 24.305, 24.311
Ground Level	23.248, 23.304, 23.331, 23.392, 23.579, 23.721, 23.933, 25.376, 24.391, 24.311, 24.665, 24.555, 24.344
Offset	-20.000, -17.939, -13.217, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.822, 9.972, 15.000, 20.000, 25.000, 28.277, 34.277, 43.479

Chainage 58+920.000



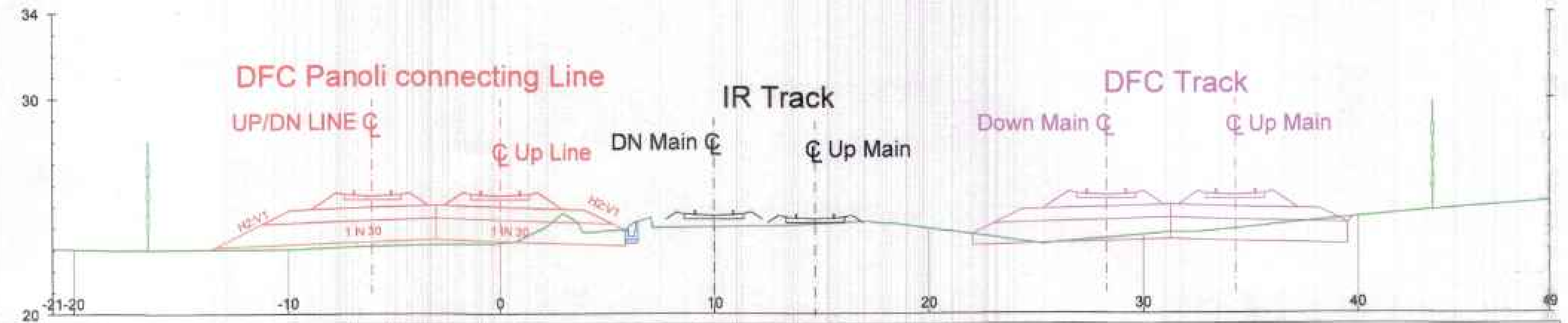
Row	Values
Prop. RL / Ex. RL	25.787, 25.787, 25.787, 25.787, 24.914, 24.912, 24.778, 24.775
Prop. FL	23.322, 24.272, 24.914, 25.045, 25.145, 25.045, 24.914, 24.272
Ground Level	23.145, 23.322, 23.368, 23.399, 23.493, 23.582, 23.945, 24.205, 24.270, 24.505, 24.069, 24.157
Offset	-20.000, -17.879, -14.379, -13.114, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.972, 15.000, 20.000, 25.000, 28.277, 34.277, 43.475

Chainage 58+940.000



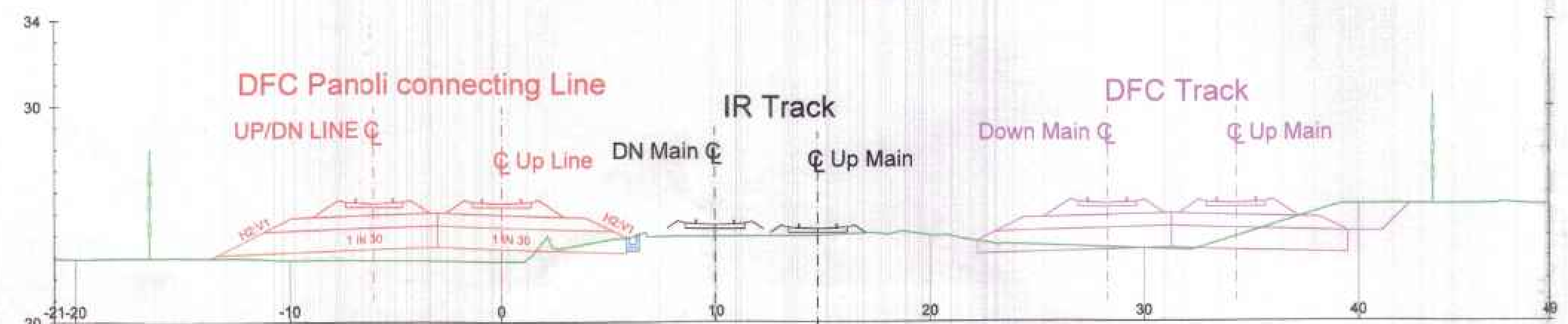
Row	Values
Prop. RL / Ex. RL	25.754, 25.754, 25.754, 25.754, 24.863, 24.859, 24.684, 24.689
Prop. FL	23.237, 24.238, 24.881, 25.012, 25.112, 25.012, 24.881, 24.238
Ground Level	23.099, 23.237, 23.294, 23.334, 23.486, 23.632, 23.904, 24.141, 24.156, 24.345, 23.972, 23.595
Offset	-20.000, -17.830, -14.330, -13.218, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.973, 15.000, 20.000, 25.000, 28.277, 34.277, 43.472

Chainage 58+960.000



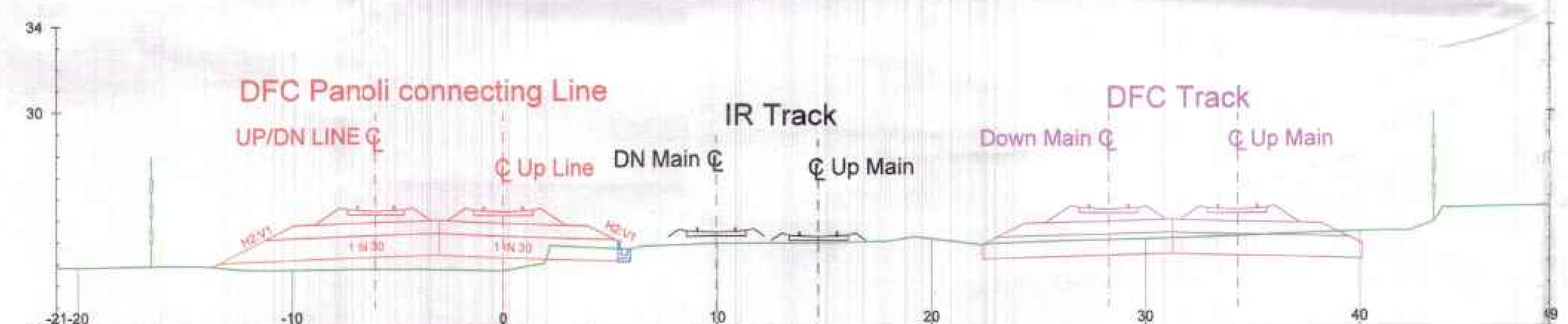
Row	Values
Prop. RL / Ex. RL	25.721, 25.721, 25.721, 25.721, 24.787, 24.782, 24.617, 24.619
Prop. FL	23.027, 24.205, 24.848, 24.979, 25.079, 24.979, 24.848, 24.205
Ground Level	23.019, 23.027, 23.028, 23.027, 23.166, 23.237, 23.299, 23.800, 23.921, 24.184, 23.958, 23.258
Offset	-20.000, -17.804, -14.304, -13.572, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.966, 15.000, 20.000, 25.000, 28.277, 34.277, 43.469

Chainage 58+980.000



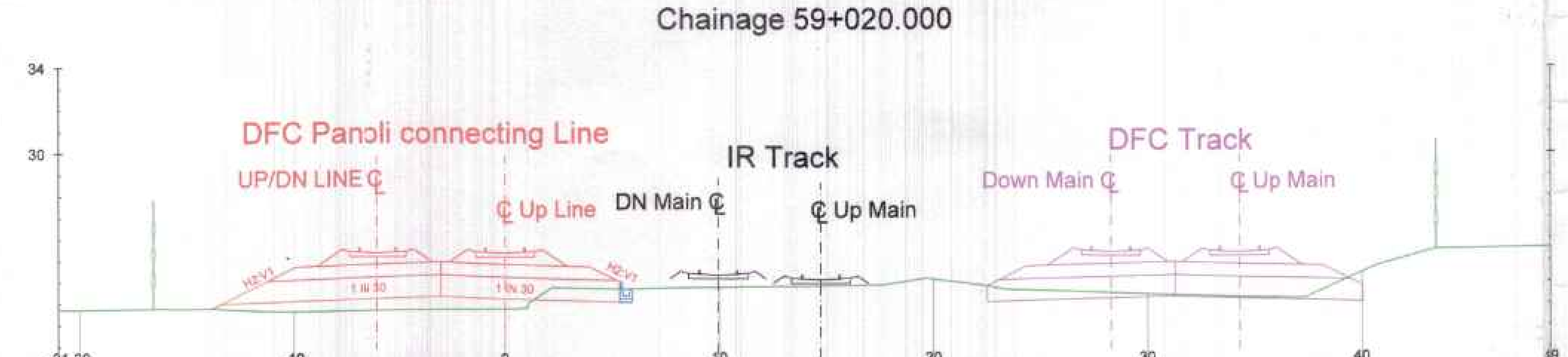
Row	Values
Prop. RL / Ex. RL	25.688, 25.688, 25.688, 25.688, 24.710, 24.703, 24.521, 24.524
Prop. FL	22.953, 24.172, 24.815, 24.946, 25.046, 24.946, 24.815, 24.172, 23.863
Ground Level	22.898, 22.953, 22.903, 22.863, 22.834, 22.811, 22.790, 23.593, 23.820, 23.863, 24.024, 24.022, 23.531
Offset	-20.000, -17.779, -14.279, -13.654, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 5.834, 9.956, 15.000, 20.000, 25.000, 28.277, 34.277, 43.466

Chainage 59+000.000



Row	Values
Prop. RL / Ex. RL	25.655, 25.655, 25.655, 25.655, 24.633, 24.625, 24.410, 24.422
Prop. FL	22.891, 24.139, 24.782, 24.913, 25.013, 24.913, 24.782, 24.139, 23.720
Ground Level	22.822, 22.891, 22.732, 22.734, 22.739, 22.740, 22.723, 23.781, 23.718, 23.720, 23.934, 24.081, 23.898
Offset	-20.000, -17.751, -14.251, -13.712, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.055, 9.947, 15.000, 20.000, 25.000, 28.277, 34.277, 43.463

Chainage 59+020.000



Row	Values
Prop. RL / Ex. RL	25.622, 25.622, 25.622, 25.622, 24.558, 24.549, 24.336, 24.348
Prop. FL	22.815, 24.106, 24.749, 24.880, 24.980, 24.880, 24.749, 24.106, 23.647
Ground Level	22.729, 22.815, 22.702, 22.683, 22.724, 22.763, 22.801, 23.746, 23.708, 23.694, 23.851, 24.140, 23.574
Offset	-20.000, -17.723, -13.799, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.134, 9.952, 15.000, 20.000, 25.000, 28.277, 34.277, 43.459

Chainage 59+040.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P | Reviewed | Authorised Signatory
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL:40887777 Navi Mumbai 400705
(S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/28982 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI&CO., LTD. | TATA

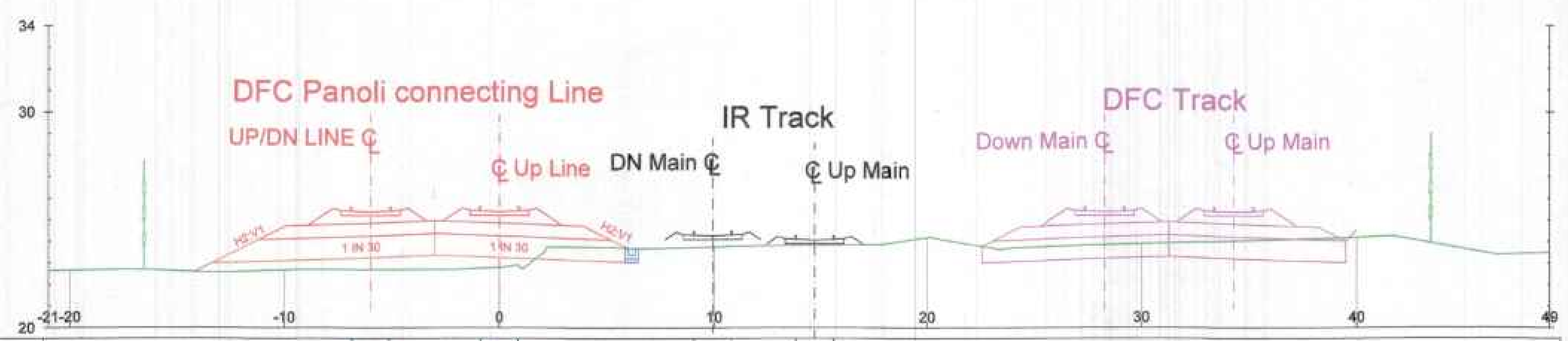
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 58+900 TO CH. 59+040

JOB NO: 8309		SIZE A1	STATUS
	NAME	PROJECTION	ID: (INCEPTION)
DRWN	ACT		TD: (TECHNICAL)
DSGN	SRG		✓ CD: (CONSTRUCTION)
CHKD	SKP	SCALE 1:250	BD: (AS BUILT)
APPD	SKP		DATE : 08-JUL-2019

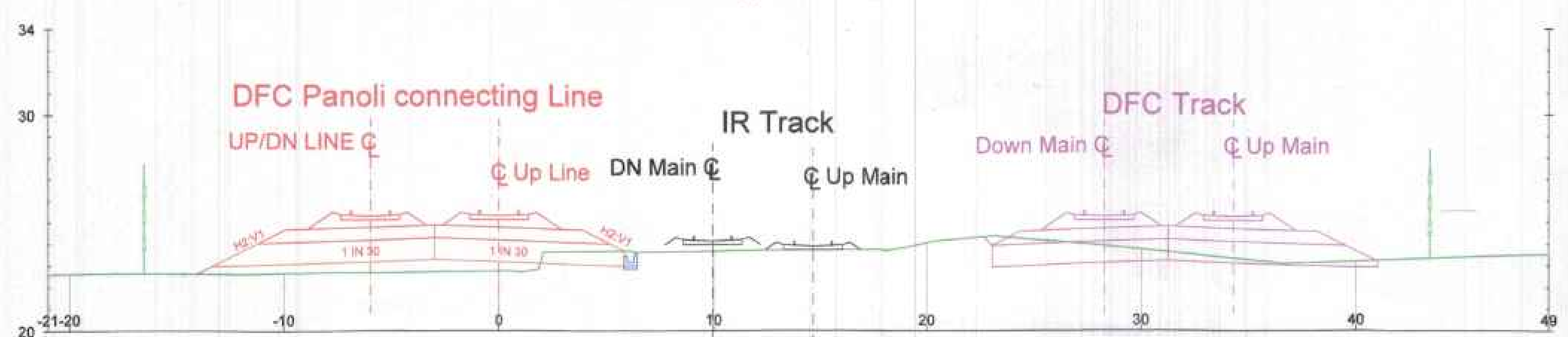
DRG. NO. 13/AL/DG/0160-CD REV-3

13-AL-D00160R3.dwg



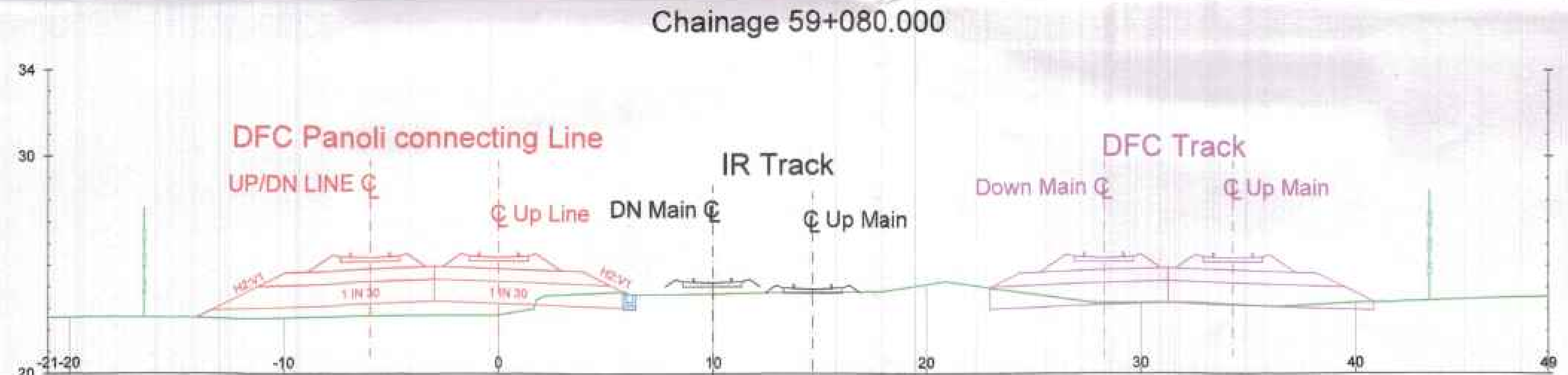
Prop. RL / Ex. RL						25.589		25.589		25.589		25.589				24.484		24.472	24.248		24.255					
Prop. FL			22.597	24.073	24.716		24.847		24.947		24.847		24.716	24.073	23.618											
Ground Level	22.672		22.597	22.644	22.692		22.700		22.680		22.778		23.727	23.715	23.670					23.802		24.178	23.725			
Offset	-20.000	-17.692	-14.167	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	6.127		9.958			15.000		20.000	25.000	28.276	34.276	43.456

Chainage 59+060.000



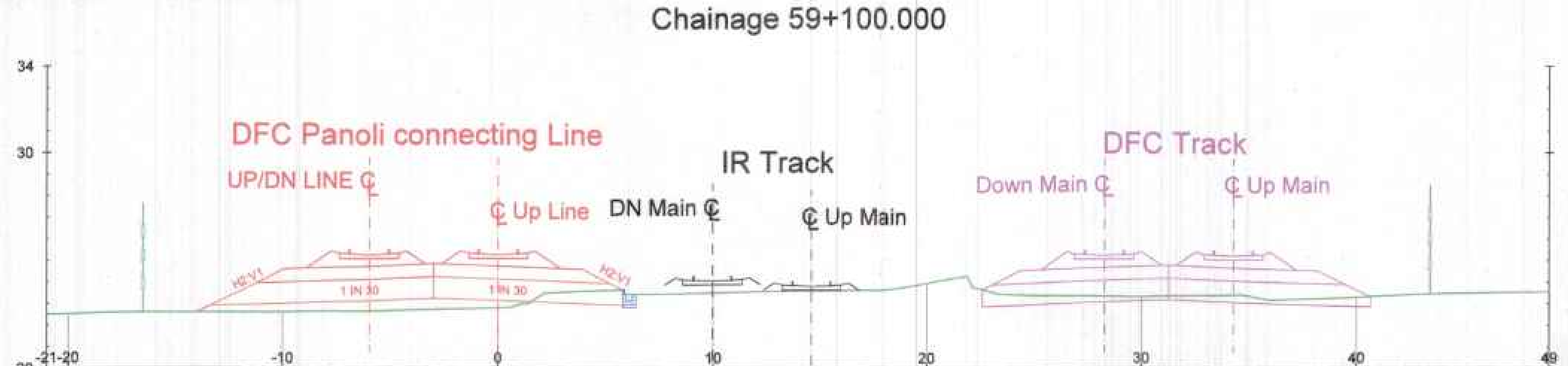
Prop. RL / Ex. RL						25.556		25.556		25.556		25.556				24.410		24.395	24.153		24.138					
Prop. FL			22.619	24.040	24.683		24.814		24.914		24.814		24.683	24.040	23.725											
Ground Level	22.613		22.619	22.630	22.663		22.712		22.741		22.781		23.692	23.714	23.725					23.755		24.091	24.253			
Offset	-20.000	-17.655	-14.058	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	5.847		9.965			15.000		20.000	25.000	28.276	34.276	43.453

Chainage 59+080.000



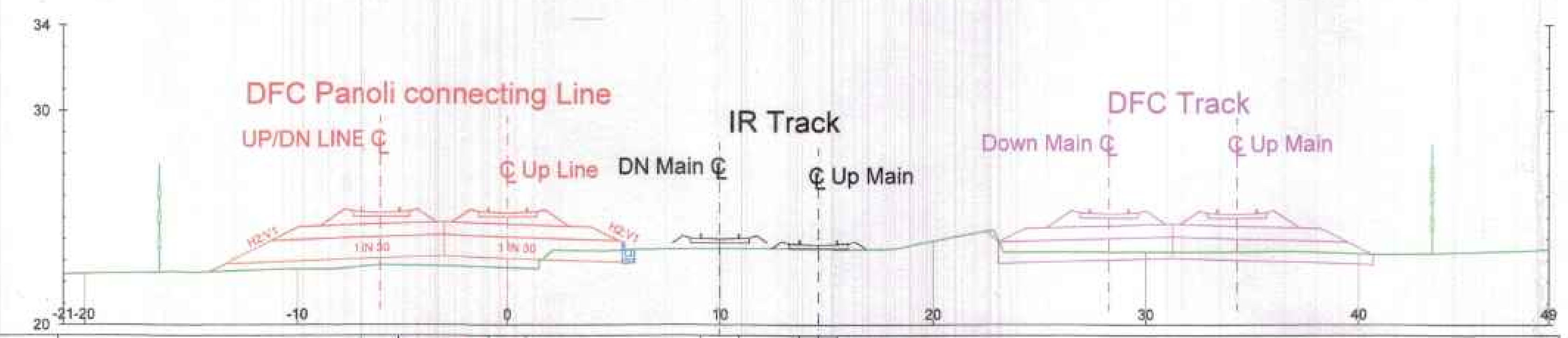
Prop. RL / Ex. RL						25.523		25.523		25.523		25.523				24.335		24.326	24.069		24.030					
Prop. FL			22.581	24.007	24.650		24.781		24.881		24.781		24.650	24.007	23.711											
Ground Level	22.603		22.581	22.532	22.565		22.629		22.641		22.659		23.614	23.680	23.711					23.676		24.038	23.599			
Offset	-20.000	-17.617	-14.067	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	5.808		9.970			15.000		20.000	25.000	28.276	34.276	43.450

Chainage 59+100.000



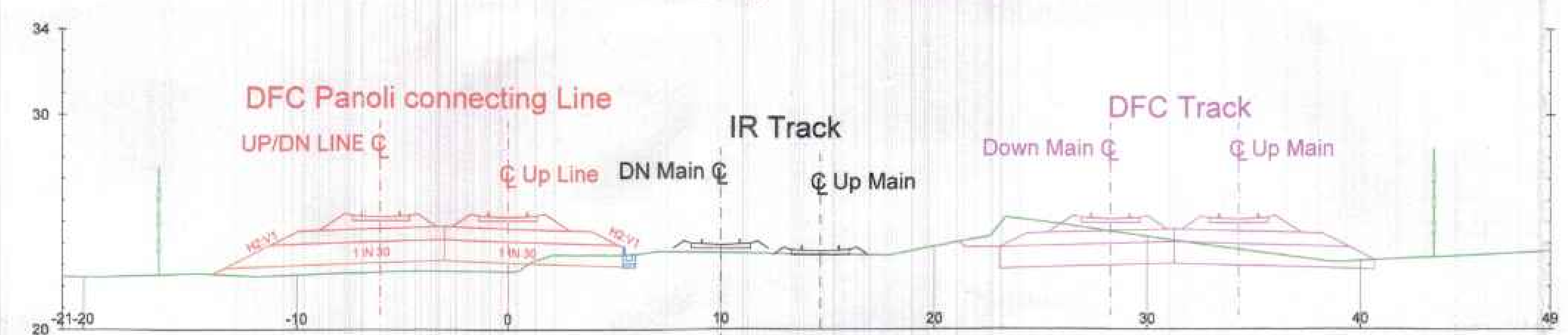
Prop. RL / Ex. RL						25.490		25.490		25.490		25.490				24.275		24.267	23.985		24.002					
Prop. FL			22.593	23.974	24.617		24.748		24.848		24.748		24.617	23.974	23.461											
Ground Level	22.521		22.593	22.613	22.627		22.674		22.732		22.806		23.595	23.649	23.461					23.591		23.963	23.390			
Offset	-20.000	-17.593	-13.977	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	6.243		9.979			15.000		20.000	25.000	28.276	34.276	43.447

Chainage 59+120.000



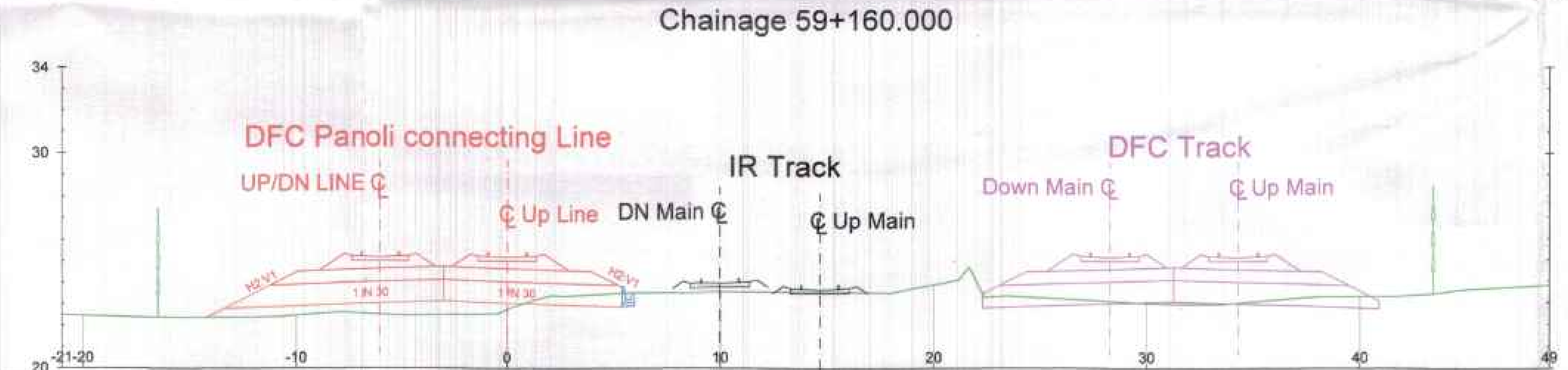
Prop. RL / Ex. RL						25.457		25.457		25.457		25.457				24.234		24.209	23.959		23.938					
Prop. FL			22.486	23.941	24.584		24.715		24.815		24.715		24.584	23.941	23.627											
Ground Level	22.393		22.486	22.605	22.614		22.791		22.750		22.686		23.470	23.484	23.627					23.572		23.926	23.381			
Offset	-20.000	-17.571	-14.126	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	5.843		9.987			15.000		20.000	25.000	28.276	34.276	43.448

Chainage 59+140.000



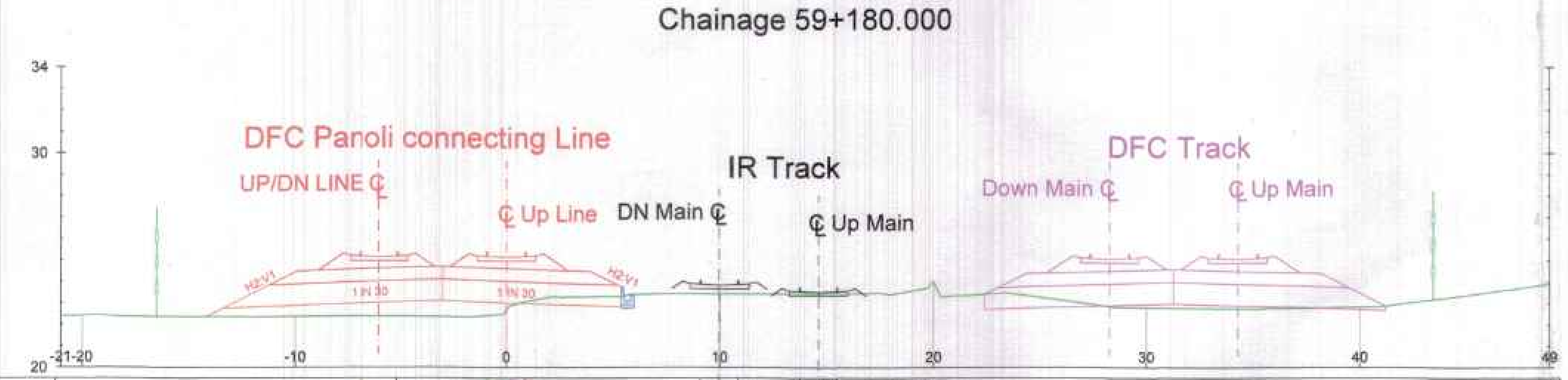
Prop. RL / Ex. RL						25.424		25.424		25.424		25.424				24.195		24.151	23.887		23.873					
Prop. FL			22.553	23.908	24.551		24.682		24.782		24.682		24.551	23.908	23.600											
Ground Level	22.410		22.553	22.464	22.516		22.640		22.685		22.680		23.445	23.432	23.600					23.514		23.877	25.020			
Offset	-20.000	-17.546	-13.926	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	5.831		9.990			15.000		20.000	25.000	28.276	34.276	43.440

Chainage 59+160.000



Prop. RL / Ex. RL						25.391		25.391		25.391		25.391				24.144		24.101	23.800		23.806					
Prop. FL			22.388	23.875	24.518		24.649		24.749		24.649		24.518	23.875	23.399											
Ground Level	22.459		22.388	22.413	22.485		22.519		22.498		22.778		23.435	23.499	23.518					23.481		23.828	23.214			
Offset	-20.000	-17.514	-14.189	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	6.167		9.984			15.000		20.000	25.000	28.276	34.276	43.437

Chainage 59+180.000



Prop. RL / Ex. RL						25.358		25.358		25.358		25.358				24.092		24.050	23.726		23.740					
Prop. FL			22.372	23.842	24.485		24.616		24.716		24.616		24.485	23.842	23.333											
Ground Level	22.405		22.372	22.367	22.372		22.373		22.362		22.669		23.311	23.316	23.403					23.463		24.000	23.278			
Offset	-20.000	-17.481	-14.155	-11.216	-9.930		-6.000		-3.000		0.000		3.930	5.216	6.233		9.981			15.000		20.000	25.000	28.276	34.276	43.438

Chainage 59+200.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submital No/ Ltr. Ref. No: | Date:
Engineer's Response
NONO
Checked: P.P (signature)
Reviewed
Authorised Signatory: (signature)
Date: 07-02-2020

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative (signature) | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer
(signature)

STUP CONSULTANTS PVT. LTD. PLOT NO. 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
(signature) (S.K. Pathak)

NOTES:

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3. PROPOSED WORK IS SHOWN IN RED.
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7. TRACK FORMATION CROSS FALL - 1:30.
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13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
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REFERENCE TO DRAWINGS: (LATEST REVISION)

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- 13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
- 13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
- 13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
- 13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

- THE CROSS-SECTION OF DFC UP/DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
- EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE — ROW — ROW —
- PROPOSED NALLA DIVERSION
- INNER EDGE OF PROPOSED ROAD — PRD — PRD —
- INNER EDGE OF NOT IN SCOPE SERVICE ROAD — NSR — NSR —
- BLANKET
- SUBGRADE
- EXISTING GROUND
- FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	28-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/28382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	28-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | L&T | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

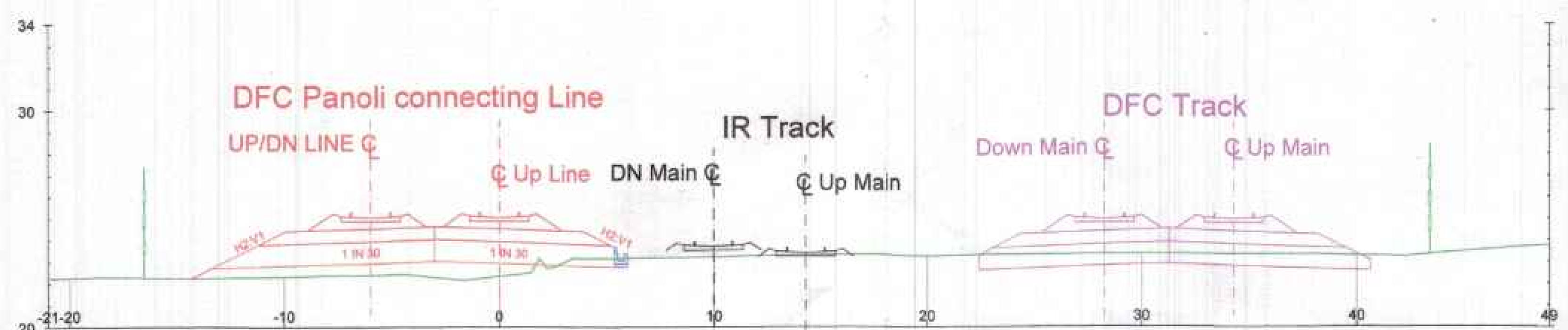
TITLE
DETAILED CROSS SECTIONS FROM CH. 59+060 TO CH. 59+200

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT	(sign)		TD: (TECHNICAL)
DSGN	SRG	(sign)		✓ CD: (CONSTRUCTION)
CHKD	SKP	(sign)	SCALE	BD: (AS BUILT)
APPD	SKP	(sign)	1:250	DATE : 08-JUL-2019
DRG. NO. 13/AL/DG/0161-CD				REV-3

13-AL-DG0161R3.dwg

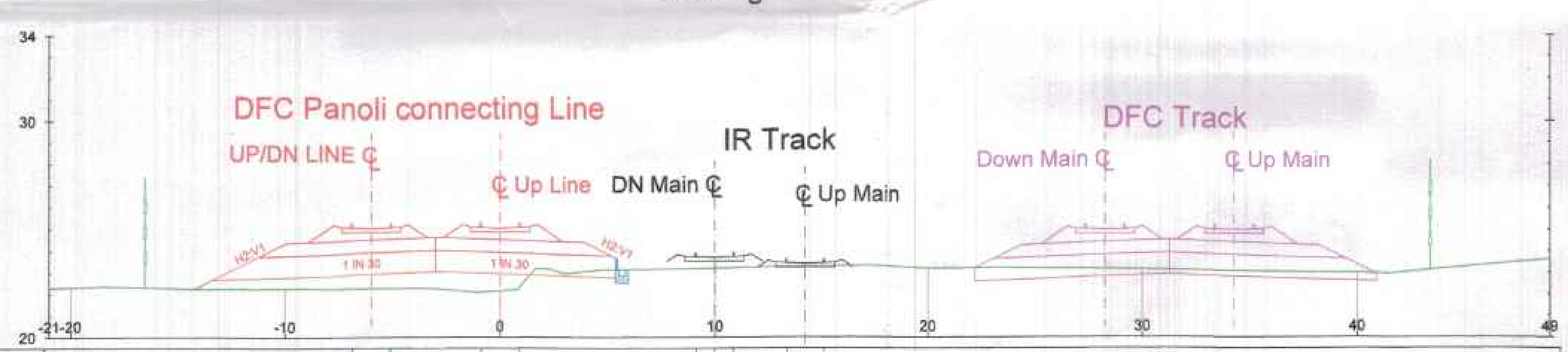
Row	Values
Prop. RL / Ex. RL	25.324, 25.324, 25.324, 25.324, 24.040, 24.000, 23.708, 23.708
Prop. FL	22.389, 23.809, 24.451, 24.582, 24.682, 24.582, 24.451, 23.809, 23.272
Ground Level	22.414, 22.389, 22.407, 22.420, 22.460, 22.492, 22.400, 23.260, 23.269, 23.282, 23.388, 23.414, 23.255
Offset	-20.000, -17.467, -14.055, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.289, 9.974, 15.000, 20.000, 25.000, 28.276, 34.276, 43.431

Chainage 59+220.000



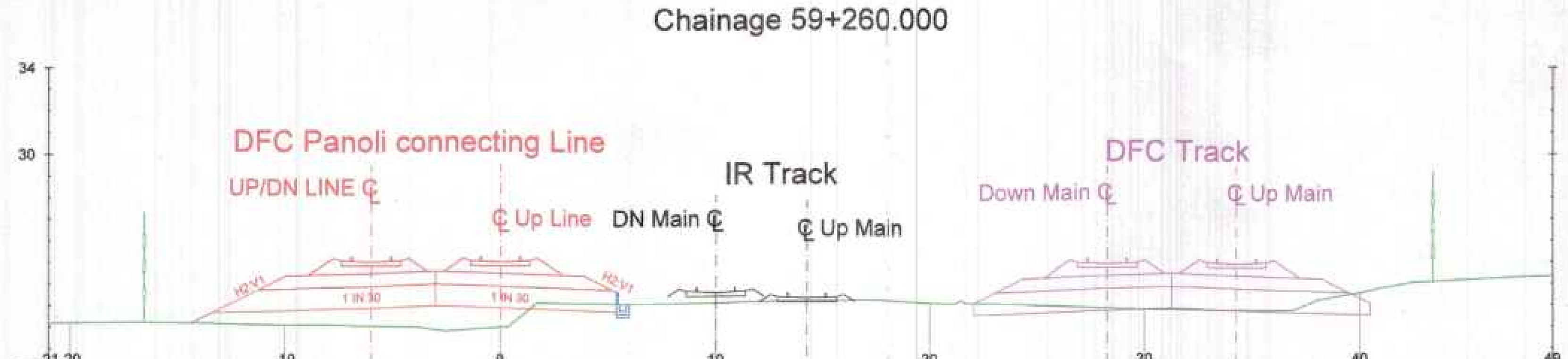
Row	Values
Prop. RL / Ex. RL	25.291, 25.291, 25.291, 25.291, 23.969, 23.943, 23.655, 23.645
Prop. FL	22.232, 23.776, 24.418, 24.549, 24.649, 24.549, 24.418, 23.776, 23.210
Ground Level	22.271, 22.232, 22.297, 22.324, 22.418, 22.299, 22.350, 23.178, 23.186, 23.208, 23.320, 23.271, 23.361
Offset	-20.000, -17.456, -14.304, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.346, 9.982, 15.000, 20.000, 25.000, 28.276, 34.276, 43.428

Chainage 59+240.000



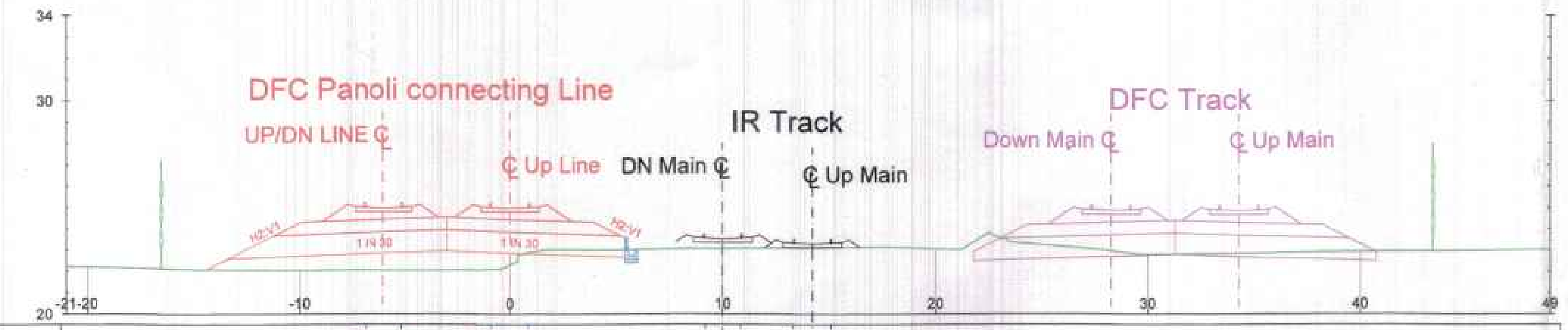
Row	Values
Prop. RL / Ex. RL	25.258, 25.258, 25.258, 25.258, 23.889, 23.883, 23.595, 23.589
Prop. FL	22.246, 23.742, 24.385, 24.516, 24.616, 24.516, 24.385, 23.742, 23.136
Ground Level	22.326, 22.246, 22.264, 22.277, 22.254, 22.228, 22.127, 23.022, 23.122, 23.125, 23.261, 23.170, 23.170
Offset	-20.000, -17.448, -14.208, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.428, 9.996, 15.000, 20.000, 25.000, 28.276, 34.276, 43.425

Chainage 59+260.000



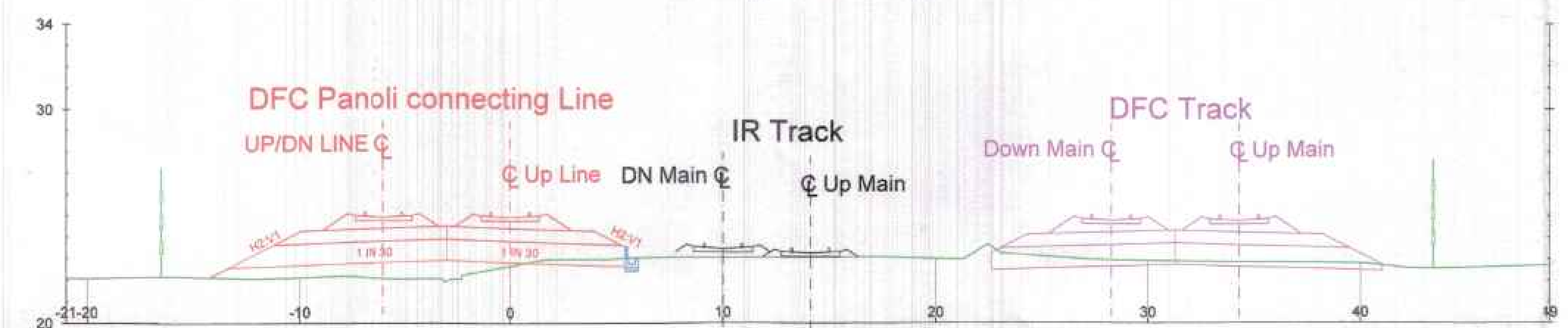
Row	Values
Prop. RL / Ex. RL	25.225, 25.225, 25.225, 25.225, 23.810, 23.822, 23.546, 23.541
Prop. FL	22.155, 23.709, 24.352, 24.483, 24.583, 24.483, 24.352, 23.709, 23.066
Ground Level	22.186, 22.155, 22.108, 22.092, 22.058, 21.881, 21.983, 23.080, 23.066, 23.066, 23.207, 23.106, 22.992
Offset	-20.000, -17.445, -14.324, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.503, 10.009, 15.000, 20.000, 25.000, 28.276, 34.276, 43.422

Chainage 59+280.000



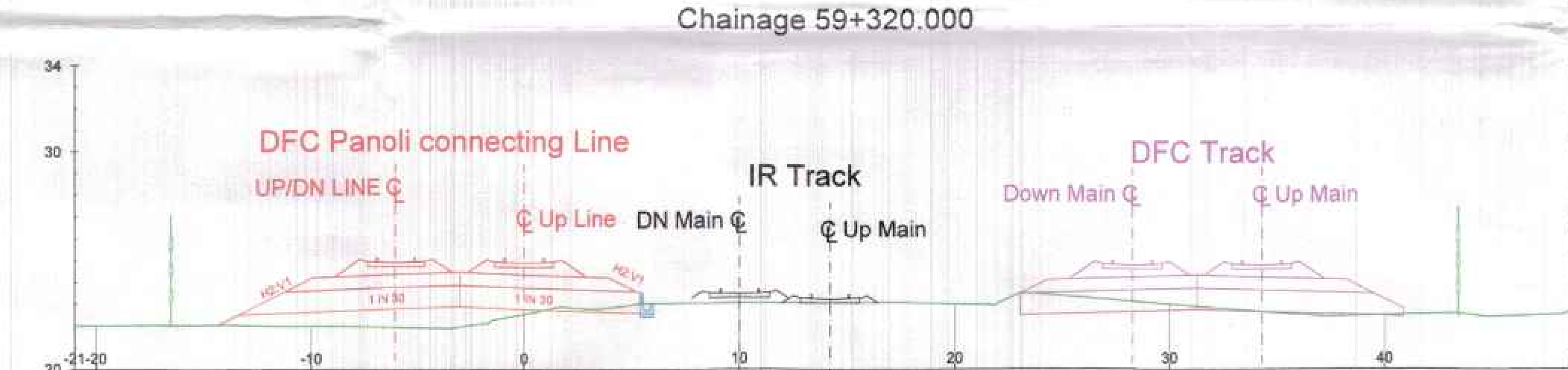
Row	Values
Prop. RL / Ex. RL	25.192, 25.192, 25.192, 25.192, 23.742, 23.765, 23.534, 23.508
Prop. FL	22.089, 23.676, 24.319, 24.450, 24.550, 24.450, 24.319, 23.676, 23.032
Ground Level	22.208, 22.089, 22.068, 22.059, 22.041, 22.055, 22.312, 23.023, 23.022, 23.032, 23.126, 23.067, 23.243
Offset	-20.000, -17.442, -14.391, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.504, 10.018, 15.000, 20.000, 25.000, 28.276, 34.276, 43.419

Chainage 59+300.000



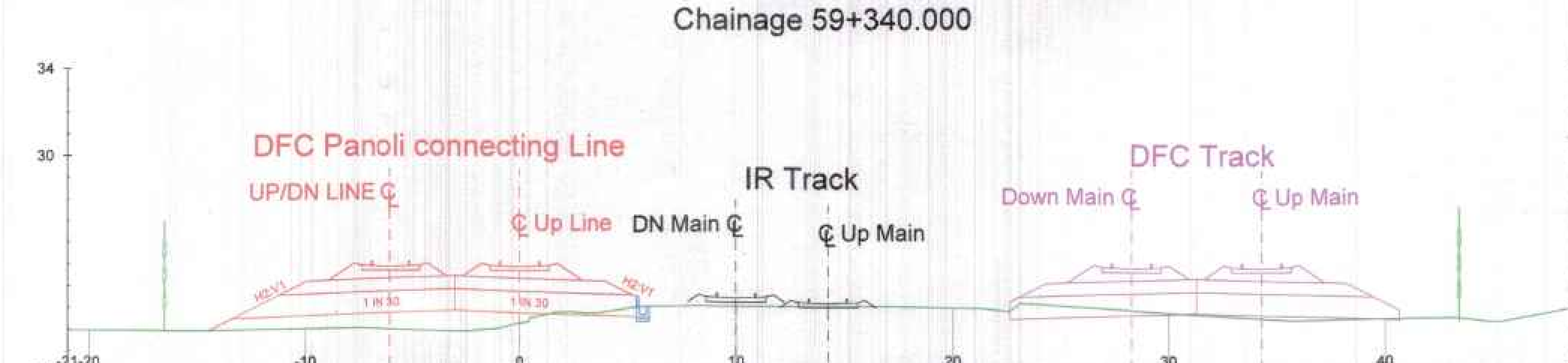
Row	Values
Prop. RL / Ex. RL	25.159, 25.159, 25.159, 25.159, 23.700, 23.716, 23.516, 23.500
Prop. FL	22.120, 23.643, 24.286, 24.417, 24.517, 24.417, 24.286, 23.643, 23.032
Ground Level	22.065, 22.120, 22.088, 22.125, 22.070, 21.966, 22.663, 22.970, 23.011, 23.032, 23.101, 23.033, 23.132
Offset	-20.000, -17.409, -14.263, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.437, 10.014, 15.000, 20.000, 25.000, 28.276, 34.276, 43.416

Chainage 59+320.000



Row	Values
Prop. RL / Ex. RL	25.126, 25.126, 25.126, 25.126, 23.659, 23.667, 23.415, 23.411
Prop. FL	22.067, 23.610, 24.253, 24.384, 24.484, 24.384, 24.253, 23.610, 23.030
Ground Level	22.000, 22.067, 21.995, 22.010, 21.922, 21.955, 22.563, 22.851, 22.995, 23.030, 23.051, 22.983, 23.360
Offset	-20.000, -17.370, -14.301, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.376, 10.005, 15.000, 20.000, 25.000, 28.276, 34.276, 43.413

Chainage 59+340.000



Row	Values
Prop. RL / Ex. RL	25.093, 25.093, 25.093, 25.093, 23.616, 23.617, 23.373, 23.372
Prop. FL	21.948, 23.577, 24.220, 24.351, 24.451, 24.351, 24.220, 23.577, 23.035
Ground Level	21.942, 21.948, 21.998, 22.016, 21.986, 21.897, 22.277, 22.800, 22.996, 23.035, 23.039, 22.967, 23.024
Offset	-20.000, -17.337, -14.474, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.300, 9.994, 15.000, 20.000, 25.000, 28.276, 34.276, 43.400

Chainage 59+360.000

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature) | Reviewed | Authorised Signatory (signature)
Date: 04-02-2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO. 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.: 40887777 Navi Mumbai 400705.
(S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/ DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/29382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC: PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR: EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | TATA

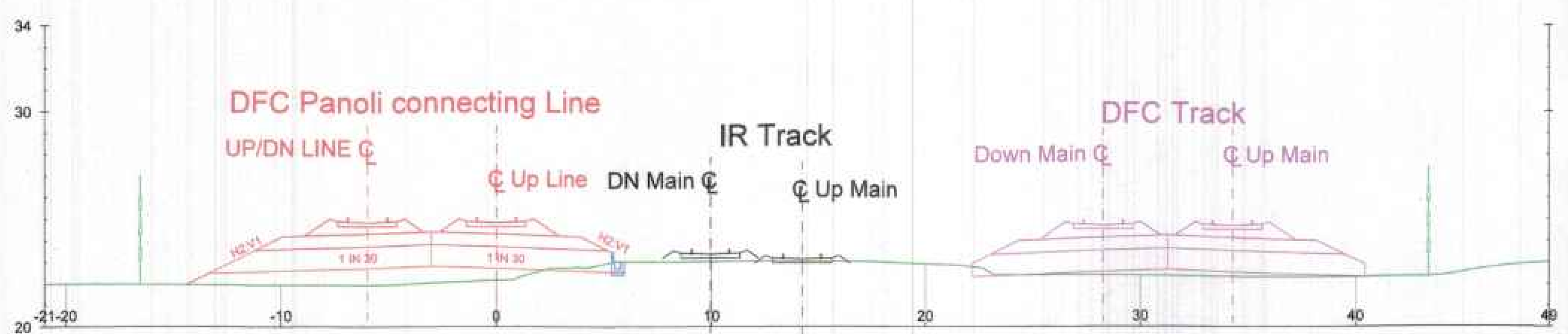
DESIGNER: STUP Consultants Pvt. Ltd.

TITLE: DETAILED CROSS SECTIONS FROM CH. 59+220 TO CH. 59+360

JOB NO: 8309		SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019

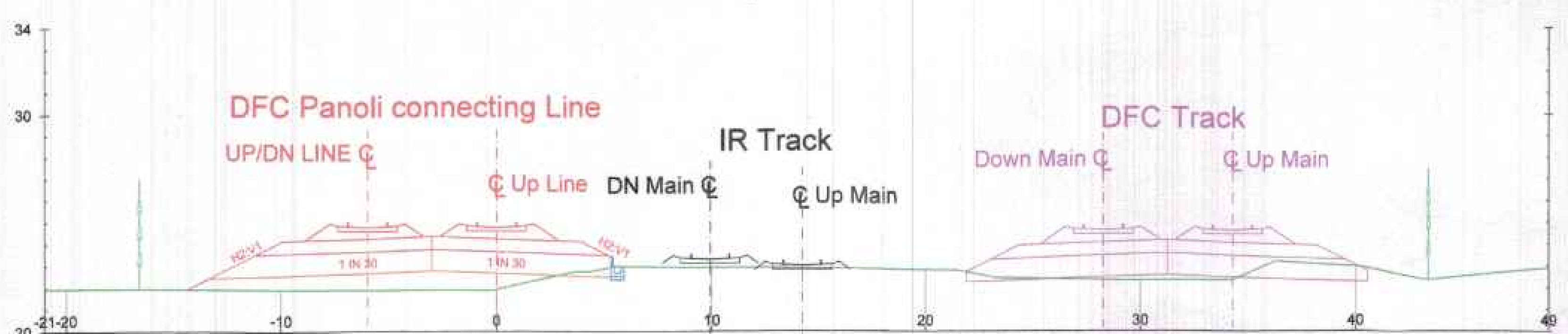
DRG. NO. 13/AL/DG/0162-CD REV-3

13-AL-0G0162R3.dwg



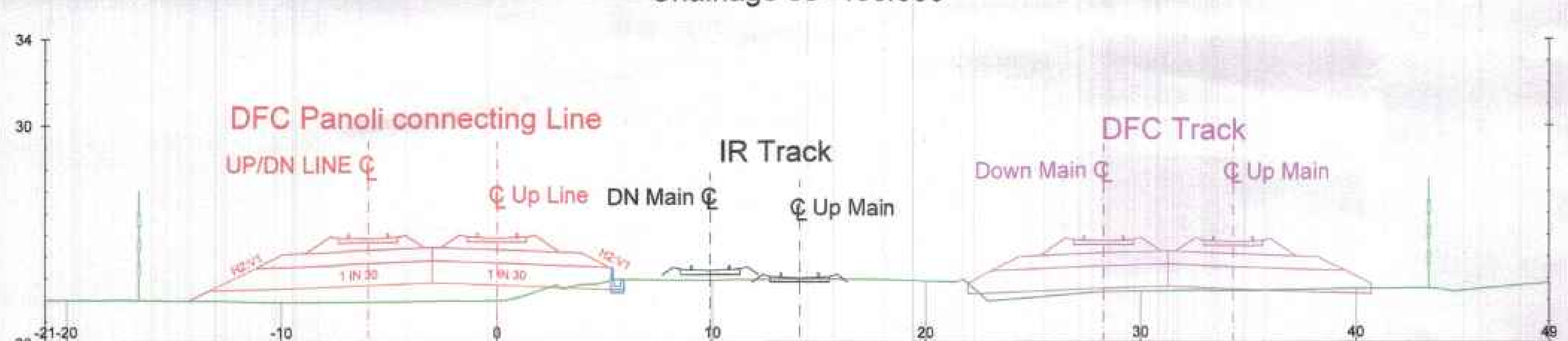
Row	Values
Prop. RL / Ex. RL	25.060, 25.060, 25.060, 25.060, 23.589, 23.582, 23.347, 23.339
Prop. FL	21.959, 23.544, 24.187, 24.318, 24.418, 24.318, 24.187, 23.544, 23.026
Ground Level	21.997, 21.959, 21.937, 21.935, 21.937, 22.029, 22.154, 22.755, 22.951, 23.026, 23.026, 22.933, 22.410
Offset	-20.000, -17.318, -14.387, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.253, 9.969, 15.000, 20.000, 25.000, 28.275, 34.275, 43.406

Chainage 59+380.000



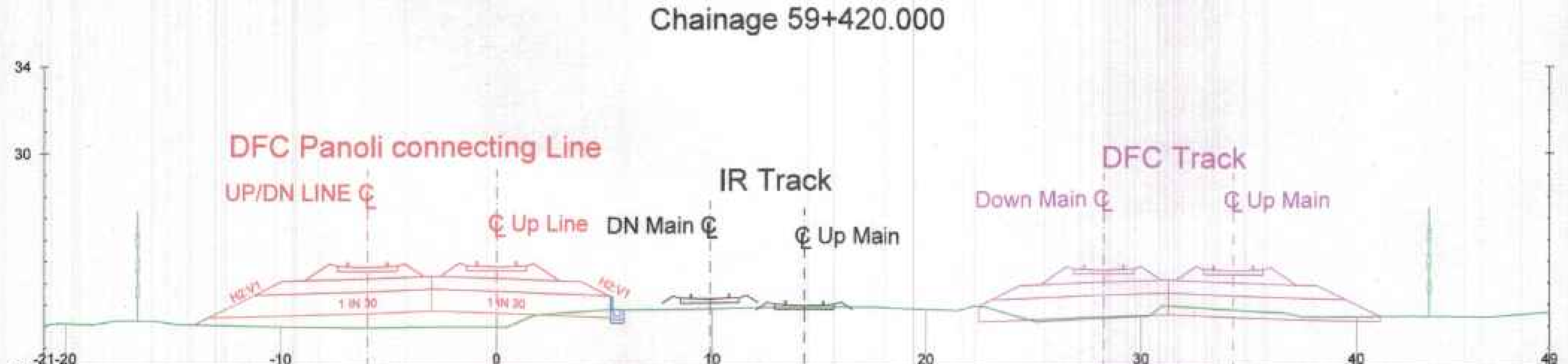
Row	Values
Prop. RL / Ex. RL	25.027, 25.027, 25.027, 25.027, 23.564, 23.547, 23.271, 23.252
Prop. FL	21.936, 23.511, 24.154, 24.285, 24.385, 24.285, 24.154, 23.511, 22.997
Ground Level	21.954, 21.936, 21.930, 21.922, 21.916, 21.911, 21.933, 22.769, 22.933, 22.997, 22.913, 22.855, 22.444
Offset	-20.000, -17.299, -14.366, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.243, 9.941, 15.000, 20.000, 25.000, 28.275, 34.275, 43.403

Chainage 59+400.000



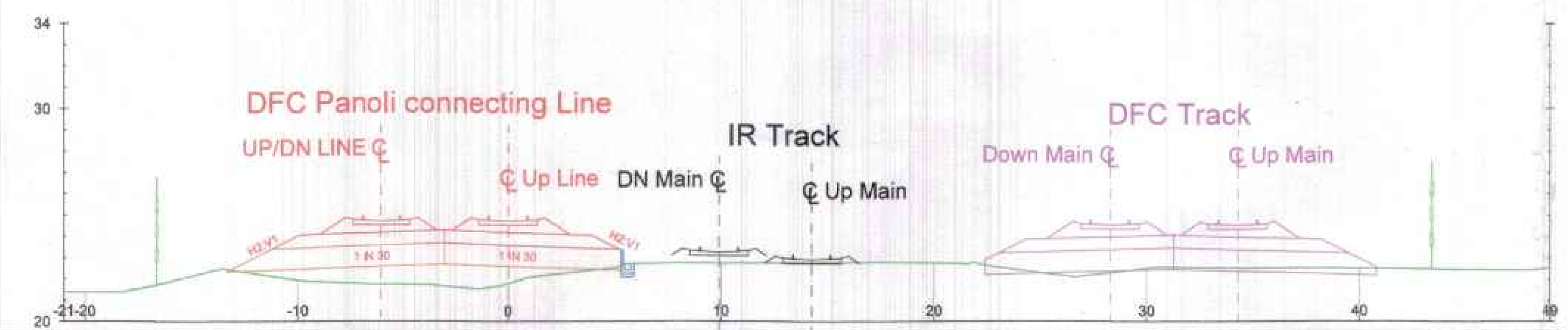
Row	Values
Prop. RL / Ex. RL	24.994, 24.994, 24.994, 24.994, 23.537, 23.512, 23.171, 23.158
Prop. FL	21.931, 23.478, 24.121, 24.252, 24.352, 24.252, 24.121, 23.478, 22.924
Ground Level	21.985, 21.931, 21.906, 21.898, 21.897, 21.908, 21.934, 22.684, 22.851, 22.924, 22.890, 22.843, 22.076
Offset	-20.000, -17.279, -14.309, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.324, 9.912, 15.000, 20.000, 25.000, 28.275, 34.275, 43.400

Chainage 59+420.000



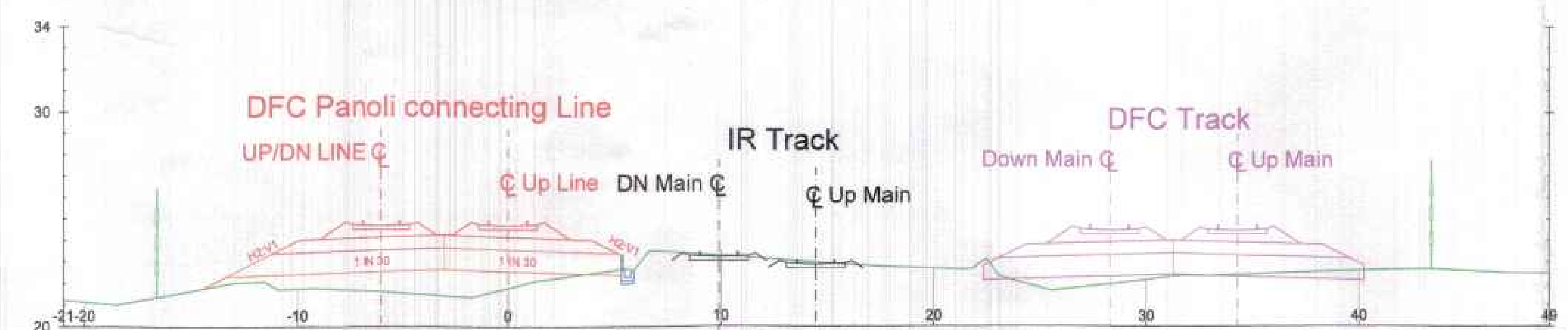
Row	Values
Prop. RL / Ex. RL	24.961, 24.961, 24.961, 24.961, 23.514, 23.486, 23.161, 23.160
Prop. FL	22.049, 23.445, 24.088, 24.219, 24.319, 24.219, 24.088, 23.445, 22.788
Ground Level	22.136, 22.049, 22.011, 21.993, 21.973, 21.974, 21.976, 22.706, 22.797, 22.807, 22.879, 22.810, 22.262
Offset	-20.000, -17.258, -14.008, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.529, 9.907, 15.000, 20.000, 25.000, 28.275, 34.275, 43.397

Chainage 59+440.000



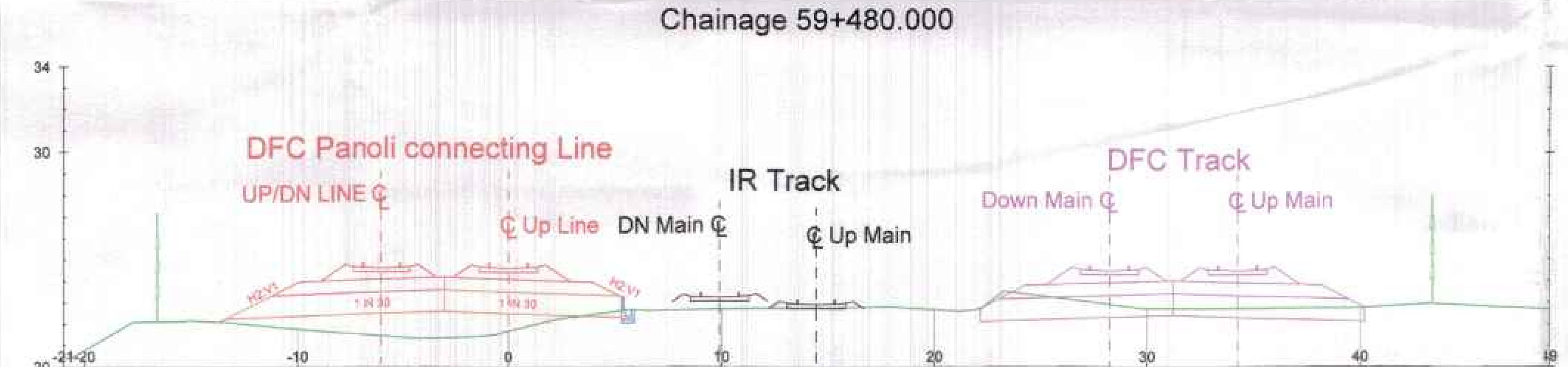
Row	Values
Prop. RL / Ex. RL	24.928, 24.928, 24.928, 24.928, 23.492, 23.469, 23.131, 23.129
Prop. FL	22.439, 23.412, 24.055, 24.186, 24.286, 24.186, 24.055, 23.412, 22.717
Ground Level	21.378, 22.439, 22.136, 21.936, 21.753, 21.669, 21.790, 22.422, 22.574, 22.717, 22.785, 22.769, 22.291
Offset	-20.000, -17.243, -13.161, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 6.605, 9.916, 15.000, 20.000, 25.000, 28.275, 34.275, 43.394

Chainage 59+460.000



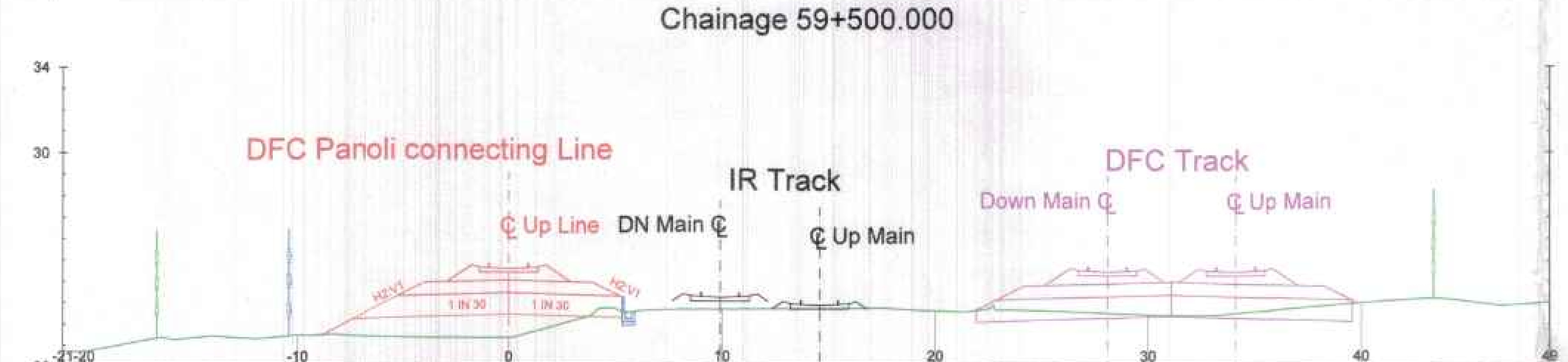
Row	Values
Prop. RL / Ex. RL	24.895, 24.895, 24.895, 24.895, 23.469, 23.452, 23.118, 23.119
Prop. FL	21.760, 23.379, 24.022, 24.153, 24.253, 24.153, 24.022, 23.379
Ground Level	21.129, 21.760, 21.918, 21.759, 21.634, 21.434, 21.784, 22.465, 22.636, 23.059, 22.728, 21.808
Offset	-20.000, -17.243, -14.452, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.922, 15.000, 20.000, 25.000, 28.274, 34.274, 43.390

Chainage 59+480.000



Row	Values
Prop. RL / Ex. RL	24.861, 24.861, 24.861, 24.861, 23.452, 23.439, 23.110, 23.111
Prop. FL	22.127, 23.346, 23.988, 24.119, 24.219, 24.119, 23.988, 23.346
Ground Level	20.773, 22.127, 21.906, 21.782, 21.467, 21.373, 21.697, 22.472, 22.636, 22.763, 22.672, 23.289
Offset	-20.000, -17.243, -13.654, -11.216, -9.930, -6.000, -3.000, 0.000, 3.930, 5.216, 9.925, 15.000, 20.000, 25.000, 28.232, 34.232, 43.387

Chainage 59+500.000



Row	Values
Prop. RL / Ex. RL	24.828, 24.828, 23.455, 23.443, 23.105, 23.105
Prop. FL	21.503, 23.313, 23.955, 24.086, 23.955, 23.313, 22.640
Ground Level	20.734, 21.381, 21.503, 21.413, 21.377, 21.395, 22.498, 22.628, 22.640, 22.734, 22.618, 22.586
Offset	-20.000, -17.226, -15.000, -8.834, -5.216, -3.930, 0.000, 3.930, 5.216, 6.561, 9.915, 15.000, 20.000, 25.000, 28.093, 34.094, 43.384

Chainage 59+520.000

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
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4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submtal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P
Reviewed
Authorised Signatory
Date: 04.02.2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO.22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL. 40887777 Navi Mumbai 400705.
C.S.K. Dathak)

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	26-NOV-19	REVISED AS PER PMC COMMENTS L.NO. L/OCGC/DFCC/CMT/CTP-13/1910/25382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L.NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

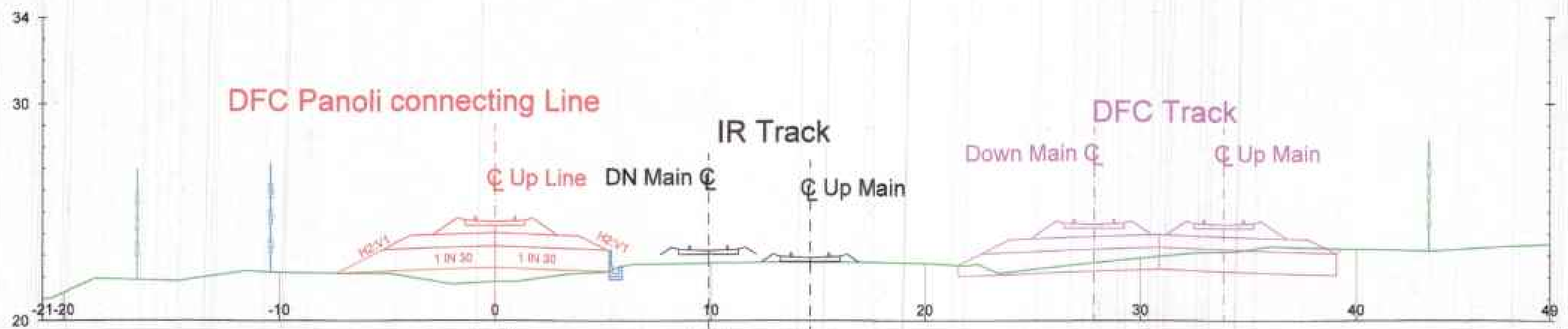
CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 59+380 TO CH. 59+520

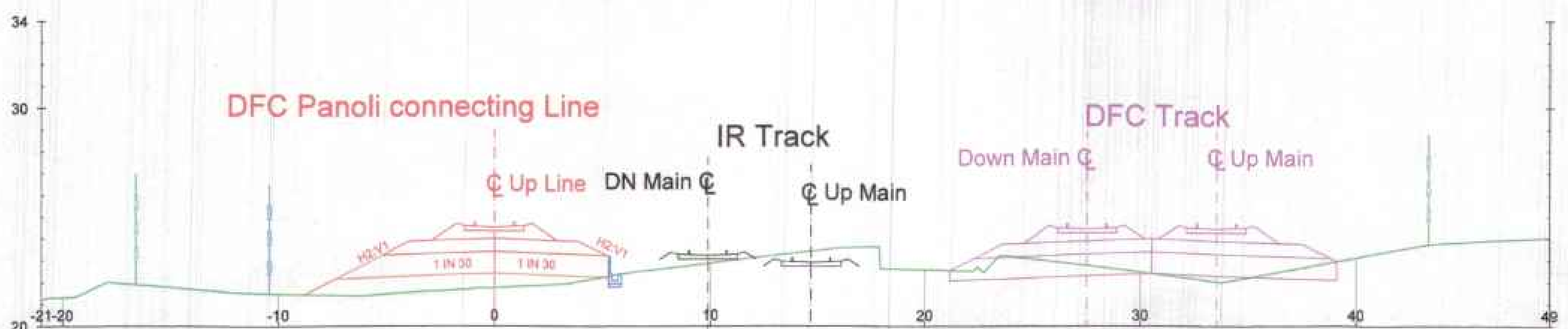
JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		1:250	DATE : 08-JUL-2019
DRG. NO. 13/AL/DG/0163-CD				REV-3

13-AL-DG0163R3.dwg



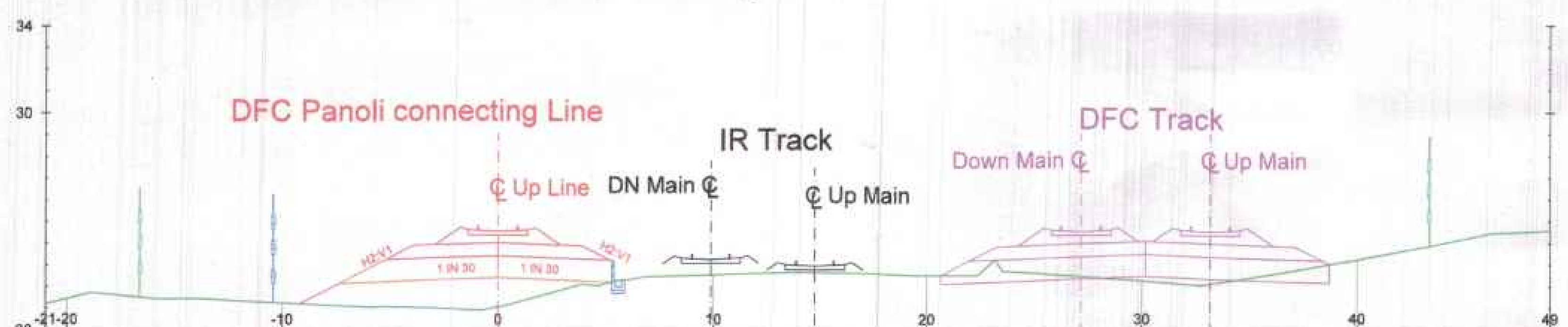
Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.296
-17.206			
-15.000			21.829
-11.006			
-7.385		22.195	22.195
-5.216		23.279	22.177
-3.930		23.922	22.002
0.000	24.795, 24.795	24.053	21.808
3.930		23.922	22.198
5.216		23.279	22.281
6.516		22.629	22.629
9.904	23.459, 23.448		
15.000	23.118, 23.114		22.685
20.000			22.652
25.000			22.371
27.855			
33.856			
43.381			

Chainage 59+540.000



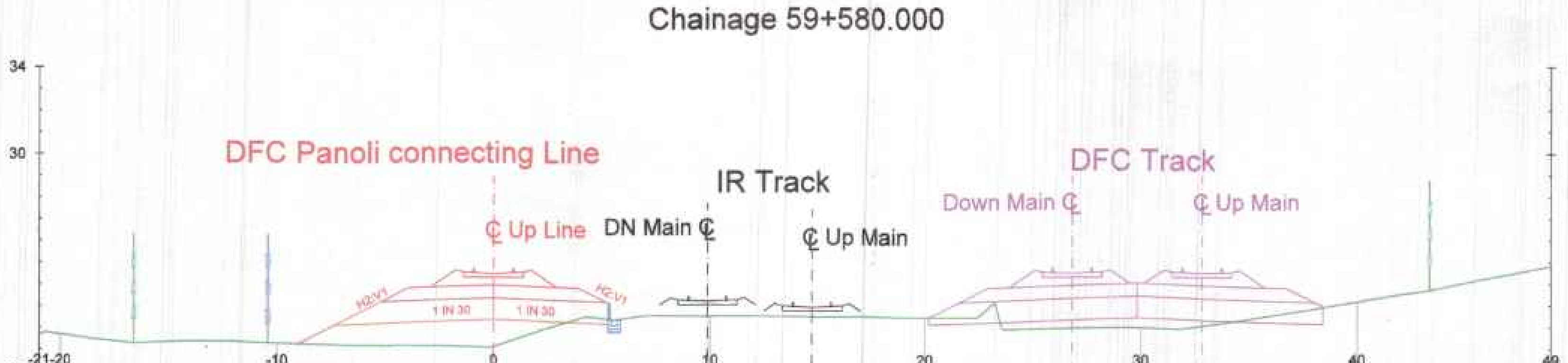
Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.318
-17.190			
-15.000			21.780
-10.990			
-8.791		21.459	21.459
-5.216		23.246	21.460
-3.930		23.889	21.545
0.000	24.762, 24.762	24.020	21.756
3.930		23.889	22.047
5.216		23.246	22.294
6.671		22.519	22.519
9.892	23.462, 23.452		
15.000	23.129, 23.126		23.467
20.000			22.595
25.000			23.086
27.526			
33.527			
43.378			

Chainage 59+560.000



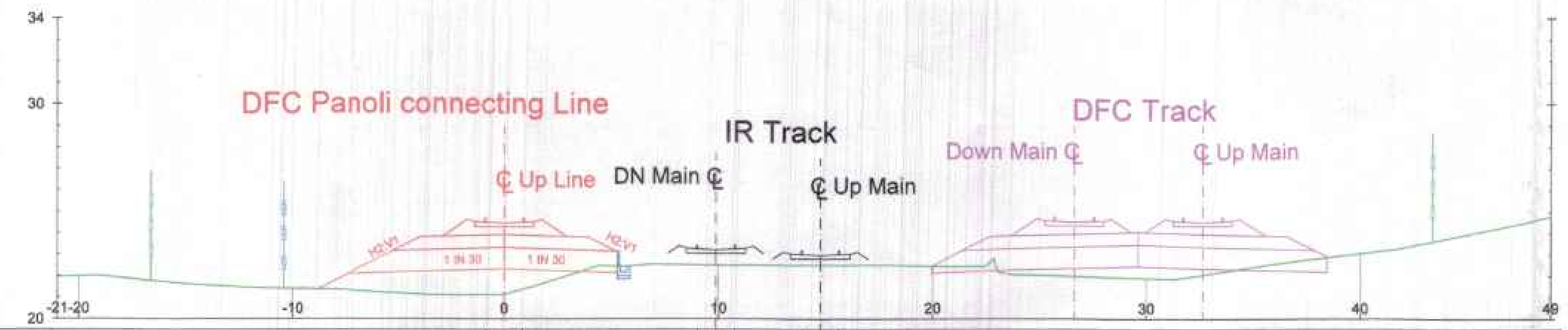
Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.450
-17.183			
-15.000			21.417
-10.983			
-9.197		21.223	21.223
-5.216		23.213	21.084
-3.930		23.856	21.036
0.000	24.729, 24.729	23.987	21.059
3.930		23.856	22.124
5.216		23.213	22.206
6.747		22.448	22.448
9.893	23.450, 23.444		
15.000	23.132, 23.131		22.603
20.000			22.506
25.000			22.595
27.172			
33.173			
43.374			

Chainage 59+580.000



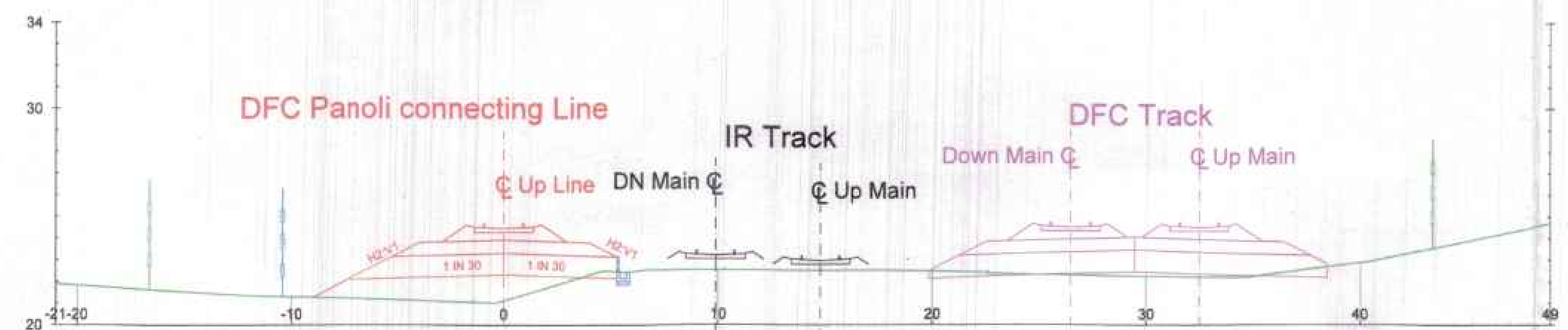
Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.694
-17.176			
-15.000			21.319
-10.976			
-9.063		21.256	21.256
-5.216		23.180	21.166
-3.930		23.823	21.156
0.000	24.696, 24.696	23.954	21.097
3.930		23.823	22.404
5.216		23.180	22.402
6.564		22.506	22.506
9.890	23.439, 23.436		
15.000	23.153, 23.148		22.488
20.000			22.470
25.000			21.948
26.818			
32.819			
43.371			

Chainage 59+600.000



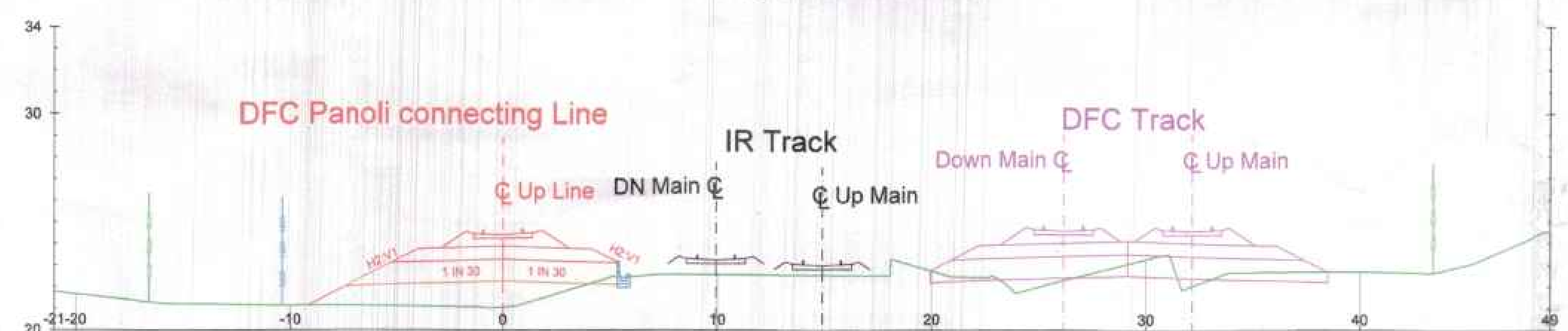
Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.983
-17.172			
-15.000			21.653
-10.972			
-8.772		21.384	21.385
-5.216		23.163	21.202
-3.930		23.805	21.140
-0.000	24.678, 24.679	23.936	21.146
3.935		23.805	22.340
5.221		23.162	22.464
6.524		22.511	22.511
9.887	23.433, 23.431		
15.000	23.191, 23.184		22.521
20.000			22.469
25.000			22.035
26.628			
32.629			
43.369			

Chainage 59+610.740



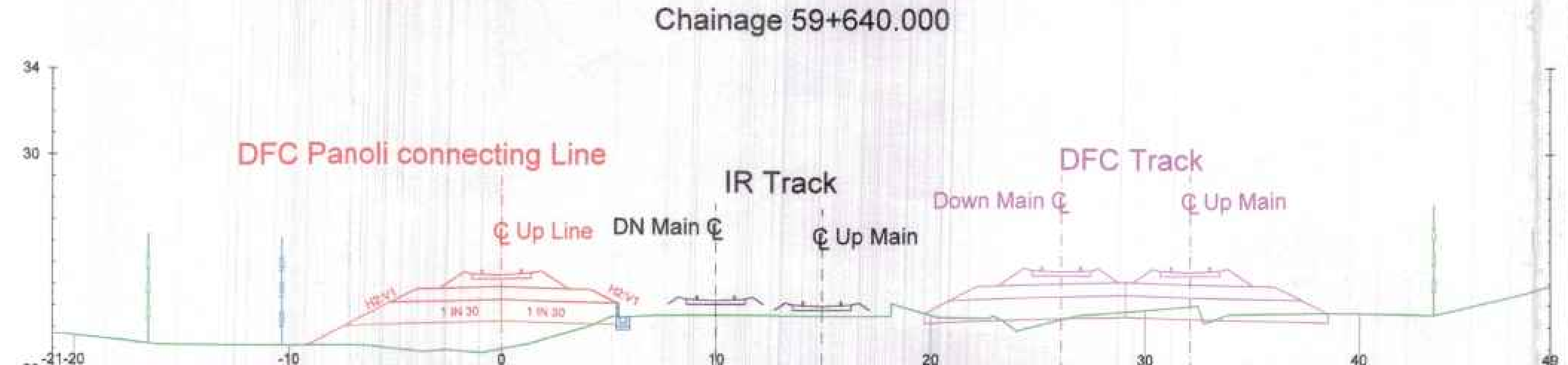
Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.820
-17.166			
-15.000			21.528
-10.966			
-8.967		21.272	21.272
-5.216		23.147	21.164
-3.930		23.790	21.127
0.000	24.663, 24.674	23.921	21.122
3.996		23.788	22.309
5.282		23.145	22.449
6.566		22.503	22.503
9.891	23.429, 23.428		
15.000	23.207, 23.201		22.542
20.000			22.495
25.000			22.331
26.465			
32.466			
43.369			

Chainage 59+620.000



Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.000			21.665
-17.110			
-15.000			21.225
-10.910			
-9.144		21.150	21.150
-5.216		23.114	21.121
-3.930		23.757	21.112
-0.000	24.630, 24.663	23.888	21.076
4.139		23.750	22.187
5.425		23.107	22.445
6.631		22.504	22.504
9.941	23.429, 23.429		
15.000	23.188, 23.190		22.536
20.000			22.725
25.000			21.984
26.156			
32.156			
43.413			

Chainage 59+640.000



Offset	Prop. RL / Ex. RL	Prop. FL	Ground Level
-20.005			21.623
-17.074			
-15.005			21.200
-10.874			
-9.156		21.137	21.138
-5.220		23.105	20.993
-3.935		23.748	20.884
-0.005	24.620, 24.658	23.879	20.988
4.158		23.740	22.071
5.444		23.097	22.454
6.661		22.488	22.497
9.975	23.431, 23.430		
14.995	23.181, 23.190		22.531
19.995			22.570
24.995			22.086
26.087			
32.088			
43.447			

Chainage 59+645.740

PMC-2R OCG CONSORTIUM | OCG-OCI-NK-NKI-RITES
Submittal No/ Ltr. Ref. No: | Date:
Engineer's Response: NONO
Checked: P.P (signature)
Reviewed:
Authorised Signatory: (signature)
Date: 04.02.2020
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date:

N. RAMAKRISHNA RAJU
Chief Design Engineer

STUP CONSULTANTS PVT. LTD. PLOT NO. 22-A SECTOR-19-C, PALM BEACH MARG, VASHI, TEL.:40887777 Navi Mumbai 400705
(S.K. Pathak)

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND CHAINAGES ARE IN KILOMETERS UNLESS OTHERWISE STATED.
2. EXISTING WORK IS SHOWN IN BLACK.
3. PROPOSED WORK IS SHOWN IN RED.
4. CHAINAGES SHOWN ARE AS PER DFC DOWN MAIN TRACK (I.E ADJACENT TO IR TRACK).
5. DETAILED CROSS SECTIONS ARE BASED ON APPROVED ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"
6. DETAILED CROSS SECTIONS ARE PREPARED WITH REFERENCE TO APPROVED TYPICAL CROSS-SECTIONS EXCEPT THE FORMATION WIDTH, WHICH IS CHANGED FROM 13.5M TO 13.86M VIDE ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
7. TRACK FORMATION CROSS FALL - 1:30.
8. FOR THE LOCATION OF STRUCTURES REFER TO RELEVANT GENERAL ARRANGEMENT DRAWINGS.
9. FOR DRAINAGE DETAILS, REFER TO LATEST STORM WATER DRAIN PLAN & PROFILE DRAWING AND TYPICAL DRAINAGE CROSS SECTION DETAILS SUBMITTED SEPARATELY AS DETAILED BELOW.
10. FOR GROUND IMPROVEMENT, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
11. THE DETAILS OF FORMATION LEVELS, OFFSET DISTANCE BETWEEN IR UP LINE AND DFC DOWN LINE AND NOT IN SCOPE OF CTP13 CHAINGAE LIMITS SHALL BE VERIFIED WITH APPROVED ALIGNMENT DRAWINGS.
12. FOR EARTH RETAINING STRUCTURE DETAILS, REFER TO RELEVANT DRAWINGS SUBMITTED SEPARATELY AS DETAILED BELOW.
13. FOR DIVERSION OF ROAD/STREAM/NALLA ETC, REFER TO RELEVANT DIVERSION DRAWINGS SUBMITTED SEPARATELY.
14. IF ROW IS GREATER THAN CROSS-SECTION LIMIT, THE ROW LINE IS NOT SHOWN CROSS SECTION DRAWING AND SAME SHALL BE TAKEN FROM ALIGNMENT DRAWINGS/ROW VALIDATION REPORT.
15. TOE LINES SHALL BE RECONFIRMED AT SITE AS PER ACTUAL GROUND LEVELS.
16. PROVISION SHALL BE MADE FOR TRACK CROSSINGS OF S&T/E&M CABLES AS PER CONTRACT REQUIREMENT.

REFERENCE TO DRAWINGS: (LATEST REVISION)

13/ST/DG/11100 .... DETAILS OF RCC RETURN WALL FOR EMBANKMENT (ON ROW SIDE)
13/GE/DD/0762 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH 104.000 KM TO 126.000 KM
13/GE/DD/0763 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km
13/GE/DD/0765 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM
13/DE/DD/0766 .... GROUND IMPROVEMENT FOR EXPANSIVE SOIL FOR EMBANKMENT SRETCH FROM CH. 126.000km TO 131.000km

LEGENDS & ABBREVIATION:

THE CROSS-SECTION OF DFC UP/DOWN MAIN LINE ARE INDICATIVE. FOR MAIN LINE CROSS-SECTION DETAILS, PLEASE REFER MAIN LINE GFC DETAILED CROSS-SECTION DRAWING **
EXISTING ROW AS PER ROW PILLAR AVAILABLE AT SITE
PROPOSED NALLA DIVERSION
INNER EDGE OF PROPOSED ROAD
INNER EDGE OF NOT IN SCOPE SERVICE ROAD
BLANKET
SUBGRADE
EXISTING GROUND
FUTURE IR TRACK

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
3	28-NOV-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/26382 (DATED 14-OCT-2019)	ACT	SRG	SKP	SKP
2	26-AUG-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1908/27131 (DATED 05-AUG-2019)	ACT	SRG	SKP	SKP
1	08-JUL-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | IRCON | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
DETAILED CROSS SECTIONS FROM CH. 59+540 TO CH. 59+645.720

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ANUJ			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SVK		SCALE	BD: (AS BUILT)
APPD	SVK		1:250	DATE : 08-JUL-2019

DRG. NO. 13/AL/DG/0164-CD REV-3

13-AL-00316483.dwg