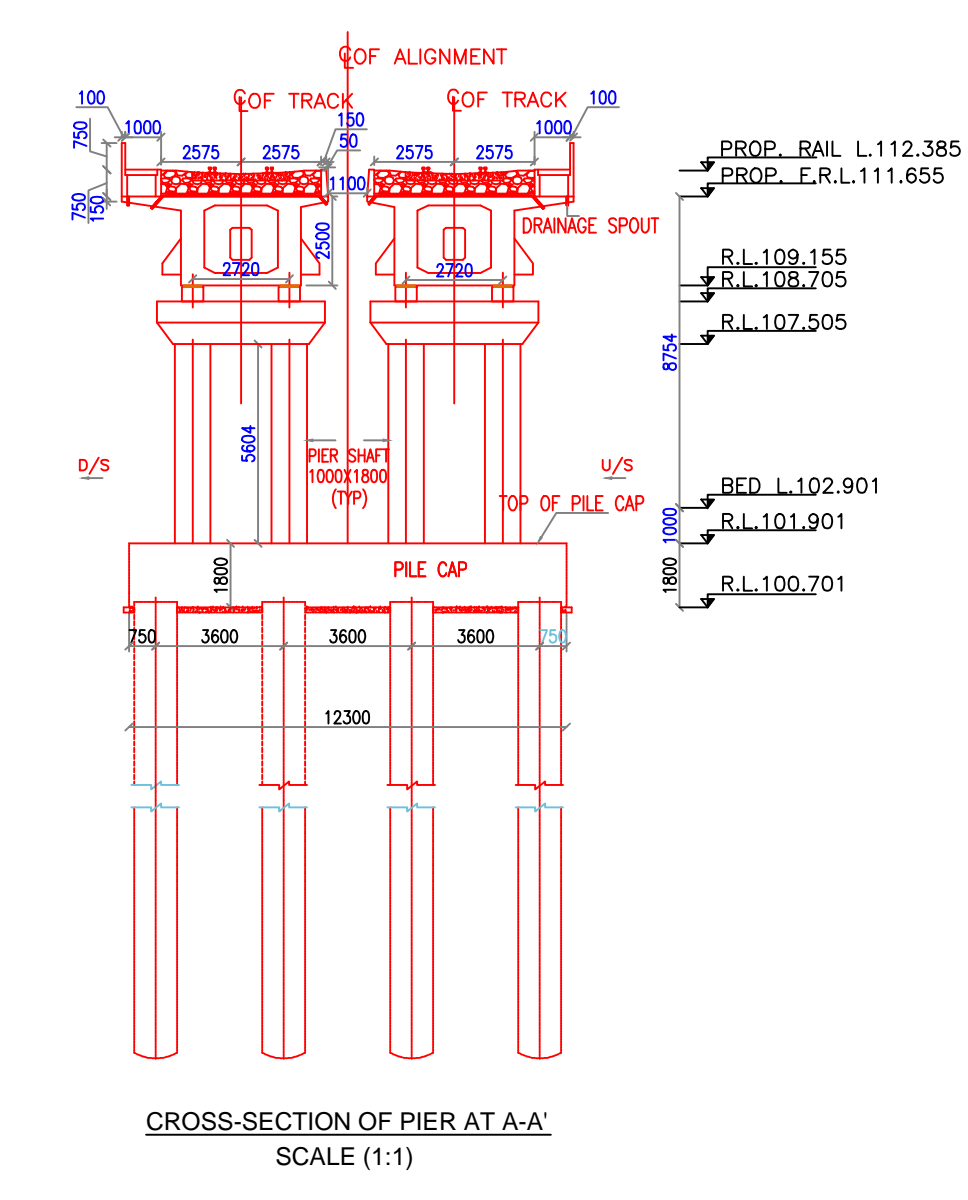
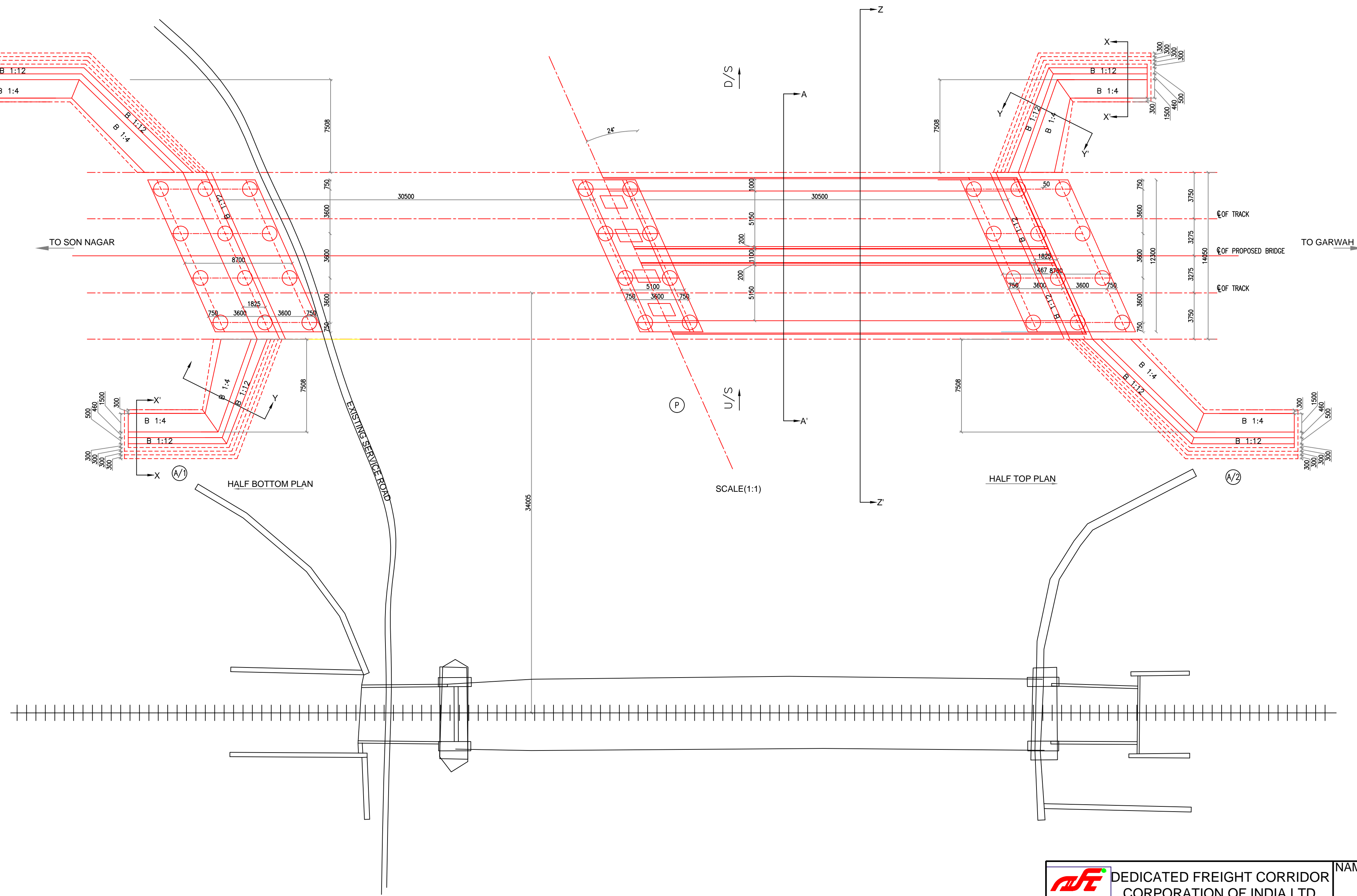


DATUM 80 M.

R.L.	103.567	103.763	103.087	102.093	102.129	102.234	102.243	102.290	102.338	102.385	102.433	102.501	104.447	104.289	103.104	102.705	102.801	102.896	103.180
CHANGAGE	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90

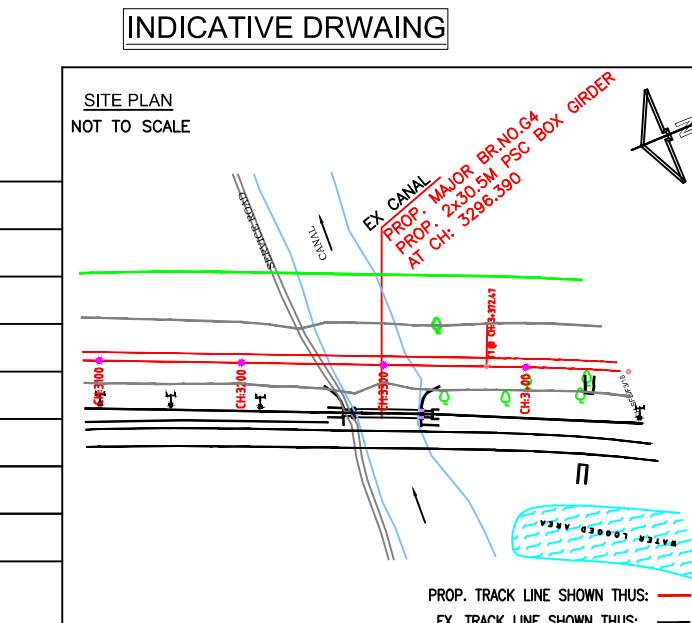


**DFC LOADING 32.5T AXLE LOAD**

- NOTES:-
1. ALL DETAILS GIVEN/SHOWN IN THIS GAD ARE INDICATIVE.
  2. ALL DIMENSIONS ARE IN MM AND ALL LEVELS IN METRES UNLESS OTHERWISE SPECIFIED.
  3. INDICATIVE COPIES WITH LATEST CORRECTIONS (LACS) ARE IN ORDER OF PREFERENCE:-  
 a) PER BRIDGE PILES.  
 b) PER CONCRETE BRIDGE CODE.  
 c) PER BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.  
 d) RELEVANT IRC CODES FOR PSC.  
 e) RELEVANT IRC CODES.
  4. LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)  
 i) EXPOSURE CONDITION - SEVERE
  5. HIGH YIELD STRENGTH DEFORMED/ TMT BAR OF GRADE Fe-500 SATISFYING THE REQUIREMENTS OF IS. 1786-1985 SHALL BE USED AS REINFORCEMENT.
  6. ALL DIMENSIONS AND LEVELS SHOULD BE NOTIFIED & RECORDED BEFORE EXECUTION.
  7. BACK FILL SHALL BE AS PER CLAUSE 7.5 OF IRC BRIDGE SUB-STRUCTURE AND FOUNDATION CODE, 200 REVISION 2004.
  8. KEEP HOLES SHALL BE OF 100MM DIA PVC PIPES STAGGERED @ 1000MM C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL / ABUTMENT.
  9. MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC FOOTING UNDER THE BEARING IN TWO LAYERS OF 8 mm TOR @ 75 C/C BOTHWAYS ONE LAYER BEING AT 20 mm DISTANCE AND OTHER LAYER BEING 100 mm DISTANCE FROM THE TOP OF RCC FOOTING.
  10. FOR INSPECTION PLATFORMS AND PEDESTAL FOR BEARING REFER DRAWING DWG No. C.B.S.-010
  11. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
  12. STONE PITCHING SHALL BE 300MM THICK OVER 150MM FILTER MATERIAL.
  13. WORK SCHEDULE SHALL BE SUCH THAT RESIDENT IN TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS REASONABLE THE OWNER WILL SECURE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
  14. THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. 1200 MM DIA PILES OF 20M LENGTH HAVE BEEN ASSUMED. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBSTRUCTURE AS PER THE SOIL STRAIN AND CAN CHANGE THE PROPOSED FOUNDATION.
  15. IN CASE PILE FOUNDATION IS USED THE RELEVANT IRC CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PREFERENCE.
  16. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRC CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PREFERENCE.
  17. FOR MAJOR BRIDGE CROSSING A CANAL THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE ADORED CANAL AUTHORITY BY THE CONTRACTOR WELL IN TIME.
  18. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFC.
  19. C.C WEARING COURSE OF MINIMUM M-35 GRADE AND MIN. THK. OF 100MM WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK.
  20. TROLLEY REFUSES WILL BE PROVIDED AT SPECIFIED INTERVALS AS PER IS / ISPM/IRC STANDARDS.
  21. THIS DRAWING RELIES ON GAD OF BRIDGE AND IS MEANT ONLY FOR THE GUIDANCE OF THE BINDER. ALL THE BRIDGES SHALL BE DESIGNED BY THE CONTRACTOR AS PER THE GUIDELINES PROVIDED IN BID DOCUMENT AND SHALL BE GOT APPROVED FROM THE ENGINEER.
  22. BRIDGES IN STATION VARS SHALL BE DESIGNED TO CATER TO THE NUMBER OF TRACKS SHOWN IN RESPECTIVE STATION YARD.

**TRACK-DETAILS**

	PROPOSED	EXISTING
1) TRACK ON	STRAIGHT	
2) GRADE	LEVEL	
3) RAIL LEVEL	112.385 M	112.274 M
4) FORMATION LEVEL	111.655 M	111.594 M
5) BED LEVEL	102.901 M	102.901 M
7) WATER WAY	61.0M	49.0M



**DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.**

NAME OF WORK:-  
DESIGN AND CONSTRUCTION OF DFCC WORKS  
FROM SONNAGAR TO  
NEWSONNAGAR/BAGAHABISHNUPUR

CONSTRUCTION OF MAJOR BRIDGE ON SONNAGAR - NEW SONNAGAR  
DFC UP AND DN LINES AT CH. 3296.39  
BRIDGE NO. G4, SPAN 2X30.5 M PSC GIRDER  
GENERAL ARRANGEMENT DRAWING