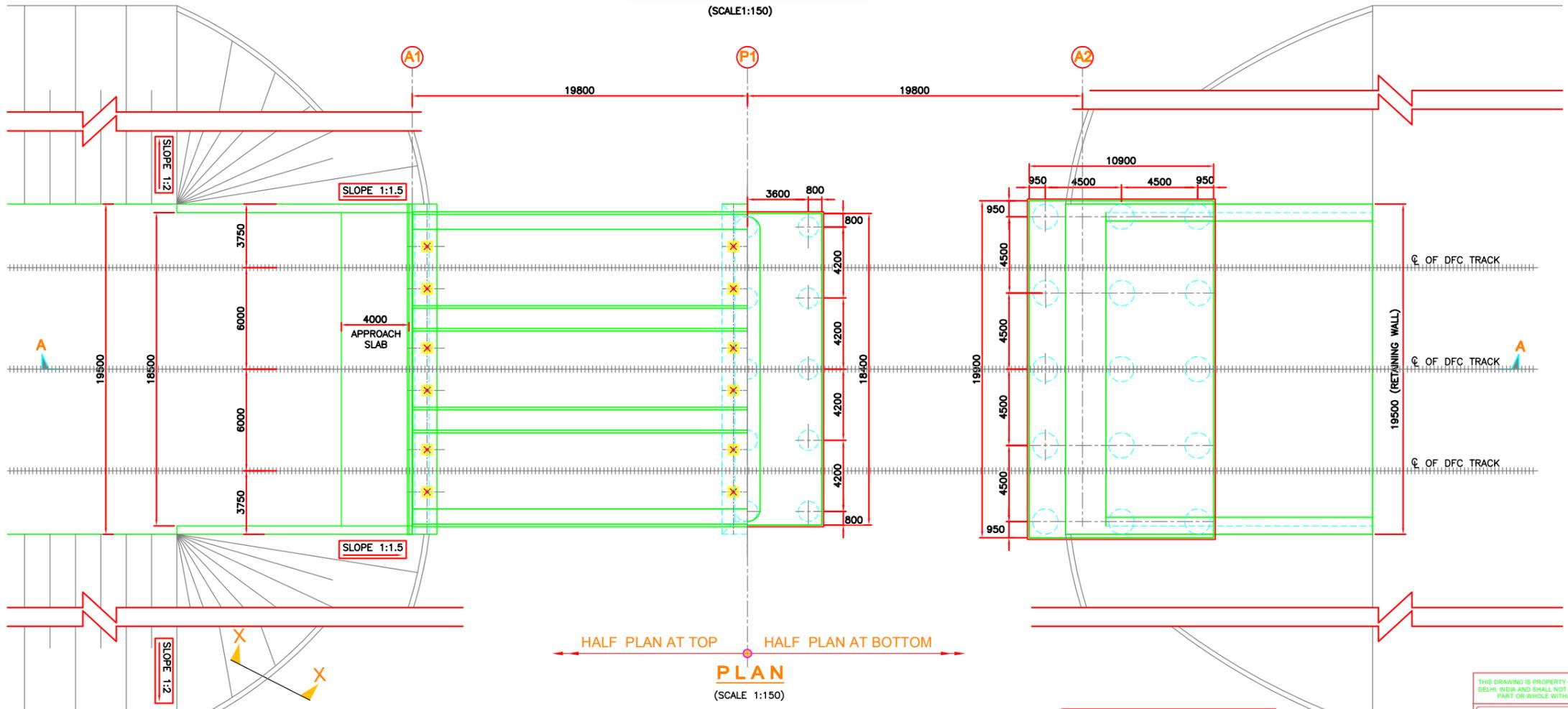


FORMATION LEVEL			
GROUND LEVEL	19.898	19.228	20.198
CHAINAGE	136280.000	136300.000	136320.000

**SECTIONAL ELEVATION A-A**  
(SCALE 1:150)



**PLAN**  
(SCALE 1:150)

Formation width of 13.5m to be read as 13.86m & respective dimensions are to be corrected accordingly by the Bidder

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Fax: 2521899, E-Mail: ceg@cegindia.com

- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METER UNLESS OTHERWISE SPECIFIED.
  - ALL DIMENSIONS ARE TO BE READ AND NOT MEASURED.
  - ALL DIMENSIONS AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION.
  - THIS GENERAL ARRANGEMENT DRAWING IS INDICATIVE AND IS MEANT ONLY FOR GUIDANCE FOR THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DEVELOPED & DESIGNED BY THE CONTRACTOR AS PER THE EMPLOYER'S REQUIREMENTS, SPECIFICATIONS AND SITE DIMENSIONS / CONDITIONS AND SHALL BE APPROVED BY ENGINEER / EMPLOYER.
  - ALL DIMENSIONS SHALL BE VERIFIED WITH RESPECT TO EXISTING IR BRIDGES ON THE PARALLEL ALIGNMENT AND RECONCILED BEFORE EXECUTION.
  - FORMATION LEVEL SHOWN IN GAD IS AS PER PROPOSED LONGITUDINAL SECTION OF THE ALIGNMENT AND MAY CHANGE DURING DEVELOPMENT OF DETAILED DESIGN STAGE.
  - LENGTH OF RETURN WALL / WING WALL / TOE WALL / PITCHING ETC. IS TO BE DECIDED AS PER THE SITE CONDITION.
  - GROUND PROFILE SHOULD BE VERIFIED BEFORE EXECUTION.
- SUPERSTRUCTURE & SUBSTRUCTURE**
- THE BRIDGE SHALL BE DESIGNED AS PER DFCC I BRIDGE (25 T AXLE LOAD) BRIDGE RULE, ISSUED BY RDSO. (WITH LATEST CORRECTION SLIP).
  - THE BRIDGE SHALL BE DESIGNED AS PER THE SEISMIC ZONE FOR THE AREA.
  - BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
  - WEEP HOLES SHALL BE PROVIDED IN RETURN WALL & ABUTMENT.
  - THE FOUNDATION BOLTS SHALL BE PROVIDED IN CONSULTATION WITH THE CONTRACTOR OF EMP-4.
  - RAILING EXPANSION JOINTS, BEARING, WEARING COAT, FOOTPATH, SERVICE DUCT, DRAINAGE SHALL BE PROVIDED AS PER SPECIFICATION.
  - FOR INSPECTION OF BEARING / SUPERSTRUCTURE, SUITABLE ARRANGEMENT SHALL BE PROVIDED.
  - FOR CHANGING OF BEARING SUITABLE ARRANGEMENT SHALL BE PROVIDED.
- GEO-TECHNICAL**
- FOR TENDER PURPOSE REFER TO GEOTECHNICAL & HYDROLOGICAL INVESTIGATION REPORT.
  - GEO-TECHNICAL BORE HOLE DATA REFERRED IN GAD IS INDICATIVE ONLY.
  - DETAILED GEO-TECHNICAL INVESTIGATION SHALL BE CARRIED OUT DURING DETAILED DESIGN STAGE.

TABLE-1

DETAILS	PROPOSED DFC
PACKAGE	3
SECTOR	5
BRIDGE NO.	215 A
CHAINAGE	136300.000
SPAN CONFIGURATION	2X18.3m
OVERALL SPAN (mm)	19750
CLEAR SPAN (mm)	18300
TYPE OF STRUCTURE	POST TENSIONED BOX GIRDER
DEPTH OF SUPERSTRUCTURE (mm)	2280
TYPE OF CROSSING	NALLA
BRIDGE (STRAIGHT/CURVE/SKEW)	STRAIGHT
FORMATION LEVEL R.L. (METER)	29.634
BED LEVEL R.L. (METER)	19.228
H.F.L. R.L. (METER)	25.040
DESIGN DISCHARGE (Cumec)	122
VERTICAL CLEARANCE MIN. (mm)	900
TYPE OF FOUNDATION	PILE FOUNDATION
BRIDGE BEARING (ELASTOMER WITH SUITABLE RESTRAINTS)	FIX & FREE

**REFERENCE DRAWINGS:**

DRAWING NO.	SUBJECT.
CEG/SACHIN-NADIAD/ PLAN-PROFILE/S-5/2	L-SECTION

**APPROVED**

DESIGNATION	INITIALS OF APPROVING OFFICIALS
CPM / DFCC	
DY. PM (ENGG.)-BRC	
APM (ENGG.)- BRC	

STANDARD OF LOADING: 32.50 TONNE AXLE LOAD, 12 T/M TRAILING LOAD.

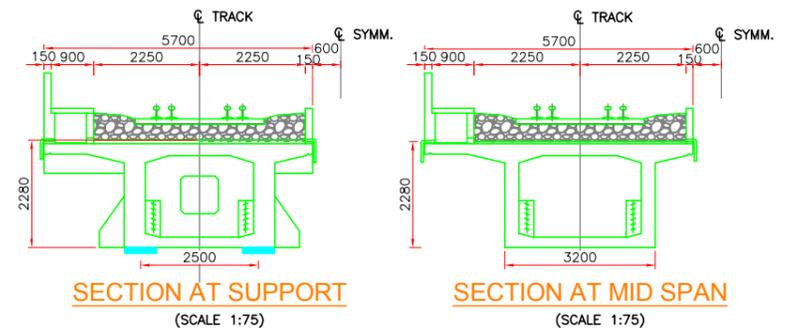
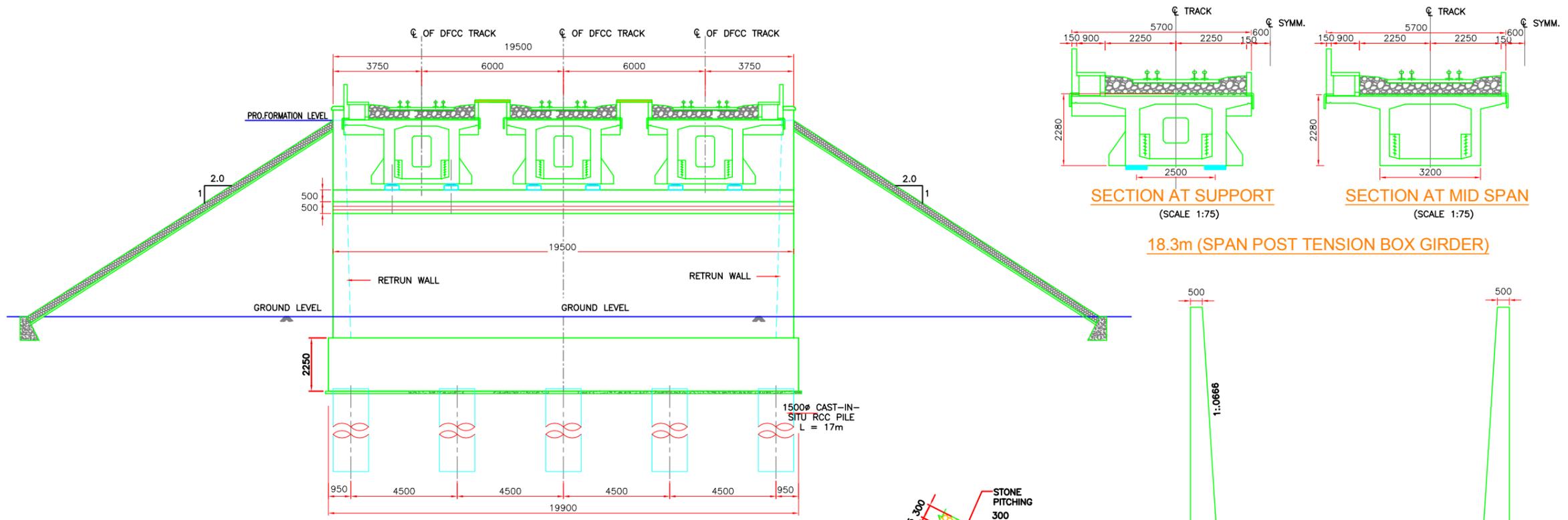
**PROJECT: -**  
WESTERN DEDICATED FREIGHT CORRIDOR BETWEEN JNPT (NEAR MUMBAI) - DADRI ( NEAR DELHI)

**CLIENT: -**

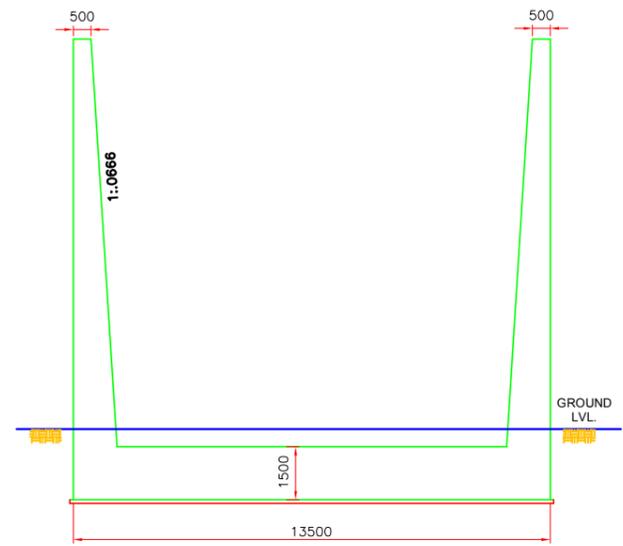
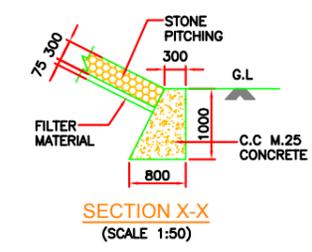


**TITLE:- SECTION-5 (SACHIN - PALEJ) (ON DETOUR)**  
CONSTRUCTION OF BRIDGE NO. 215 A (NALLA CROSSING), 2X18.30m, PSC BOX GIRDER AT REV CH. 136300.000  
GENERAL ARRANGEMENT DRAWING (SHEET: 1 OF 3)

DRAWN BY:	CHECKED BY:	REV. No.
SCALE: - AS SHOWN		
PROJECT NO. 12008	DRG. NO. :- CEG/SACHIN-NADIAD/ GAD-BRIDGE/S-5/2/15 A	



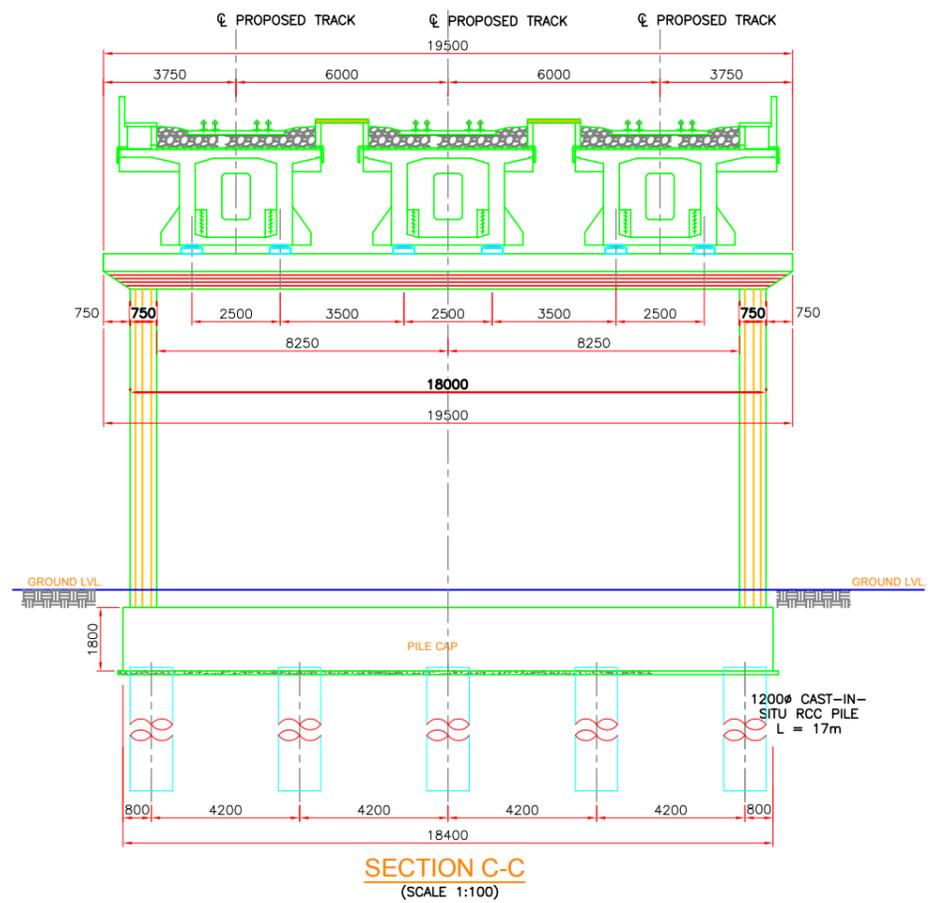
18.3m (SPAN POST TENSION BOX GIRDER)



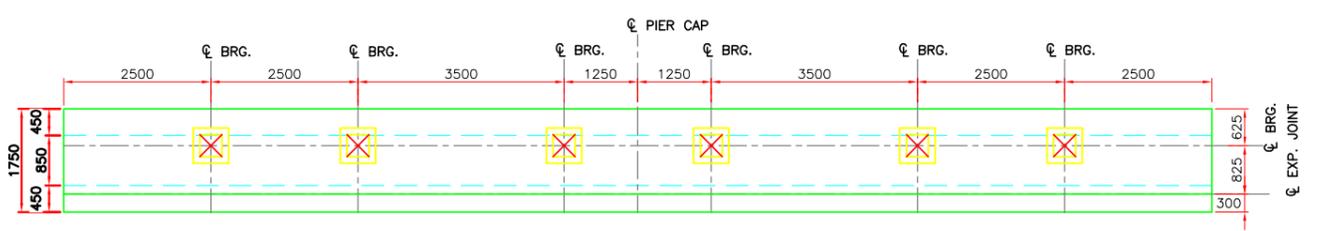
SECTION B-B (SCALE 1:100)

SECTION X-X (SCALE 1:50)

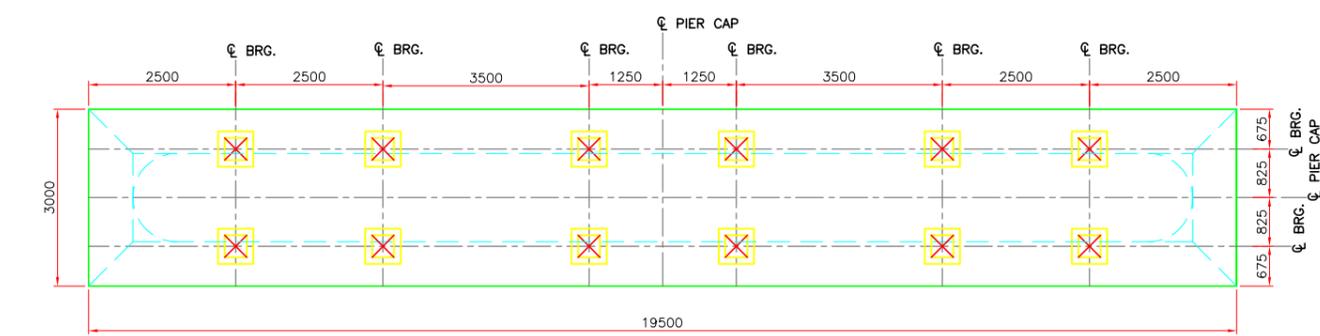
DETAIL OF RETAINING WALL (SCALE 1:100)



SECTION C-C (SCALE 1:100)



PLAN AT ABUTMENT CAP LVL. (SCALE 1:60)



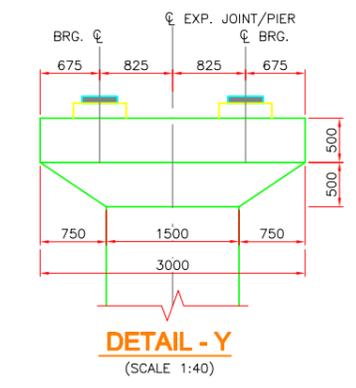
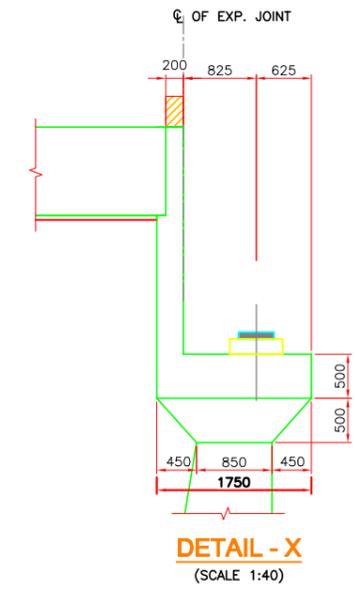
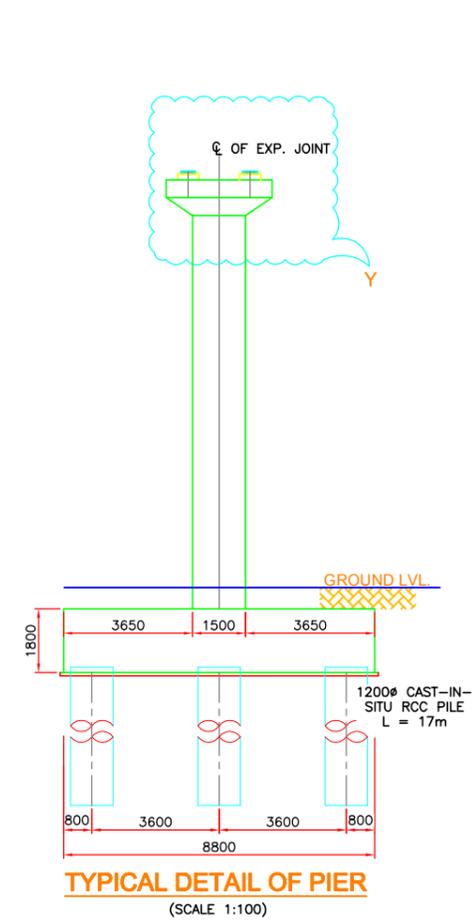
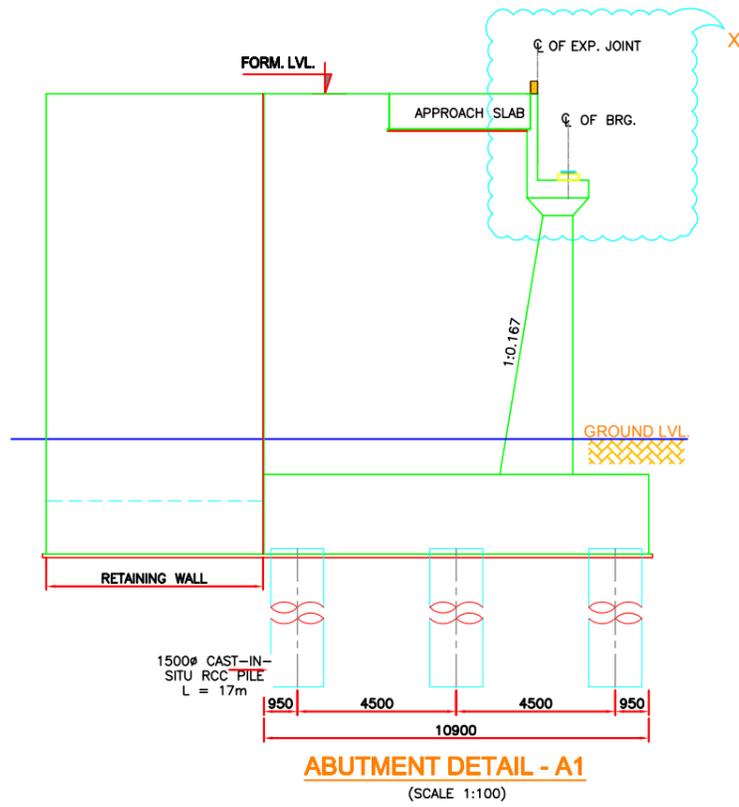
PLAN AT PIER CAP LEVEL (SCALE 1:60)

Formation width of 13.5m to be read as 13.86m & respective dimensions are to be corrected accordingly by the Bidder

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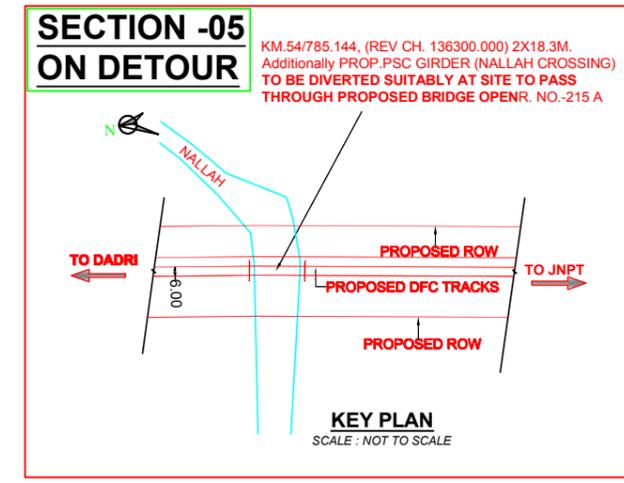
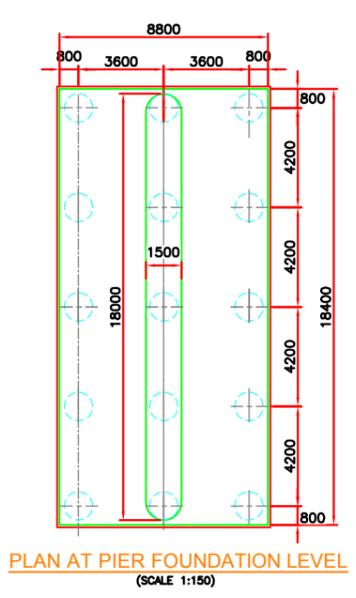
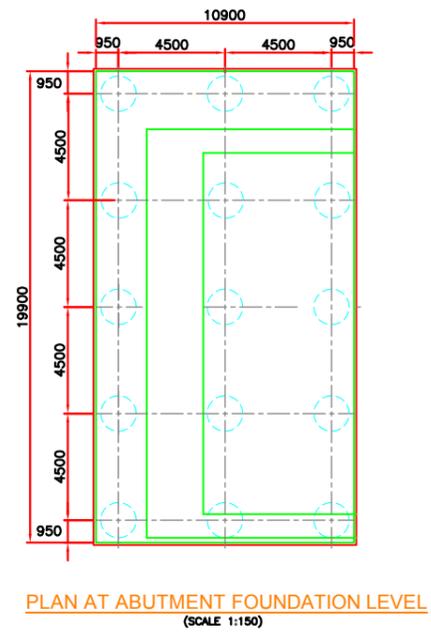
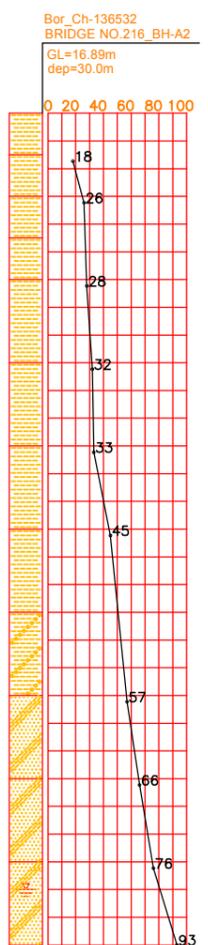
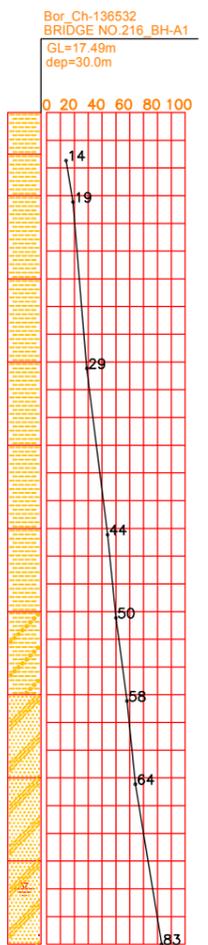
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REFERENCE DRAWINGS:	
DRAWING NO.	SUBJECT.
CEG/SACHIN-NADIADI/ PLAN-PROFILE/S-5/2	L-SECTION
APPROVED	
DESIGNATION	INITIALS OF APPROVING OFFICIALS
CPM / DFCC	
DY. PM (ENGG.)-BRC	
APM (ENGG.)- BRC	
STANDARD OF LOADING: 32.50 TONNE AXLE LOAD, 12 T/M TRAILING LOAD.	
PROJECT: - WESTERN DEDICATED FREIGHT CORRIDOR BETWEEN JNPT (NEAR MUMBAI) - DADRI ( NEAR DELHI)	
CLIENT: -	
TITLE:- SECTION-5 (SACHIN - PALEJ) (ON DETOUR) CONSTRUCTION OF BRIDGE NO. 215 A (NALLA CROSSING), 2X18.30m, PSC BOX GIRDER AT REV CH. 136300.000 GENERAL ARRANGEMENT DRAWING (SHEET : 2 OF 3)	
DRAWN BY:	CHECKED BY:
SCALE: - AS SHOWN	REV. No.
PROJECT NO. 12008	DRG. NO. - CEG/SACHIN-NADIADI/ GAD-BRIDGE IS-5215 A



**LEGEND:**

SDR	MH	GW	SP
CI-CH	MI	GP	SP-SM
CL	ML	GP-GM	SW
CL-ML	SC	GM	SW-SM
CI	SM	GM-GC	WR
CH	SM-SC	GW-GM	SR
			HR



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APPROVED	
DESIGNATION	INITIALS OF APPROVING OFFICIALS
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DRAWN BY:	CHECKED BY:
SCALE: - AS SHOWN	REV. No.
PROJECT NO. 12008	DRG. NO. - CEG/SACHIN-NADIADI/ GAD-BRIDGE IS-5/215 A