

DESIGN AND CONSTRUCTION OF CIVIL, STRUCTURES AND TRACK WORKS FOR SINGLE LINE RAILWAY INVOLVING FORMATION IN EMBANKMENTS/CUTTINGS, BALLAST ON FORMATION, TRACK WORKS, BRIDGES, STRUCTURES, BUILDINGS, YARDS, INTEGRATION WITH IR EXISTING RAILWAY SYSTEM AND TESTING & COMMISSIONING ON DESIGN-BUILD LUMP SUM BASIS FOR SAHNEWAL - PILKHANI SECTION OF EASTERN DEDICATED FREIGHT CORRIDOR

> Contract Package: 301 ICB No. HQ/EN/EC/D-B/SAHNEWAL - PILKHANI PART - 4 - REFERENCE DOCUMENT BRIDGE DRAWINGS - VOLUME - 5.2

> > SAHNEWAL TO PILKHANI From Km. 360.200 to Km. 187.500

GAD BRIDGES

EMPLOYER DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED (A GOVERNMENT OF INDIA ENTERPRISES) MINISTRY OF RAILWAYS COLING YOG DIA

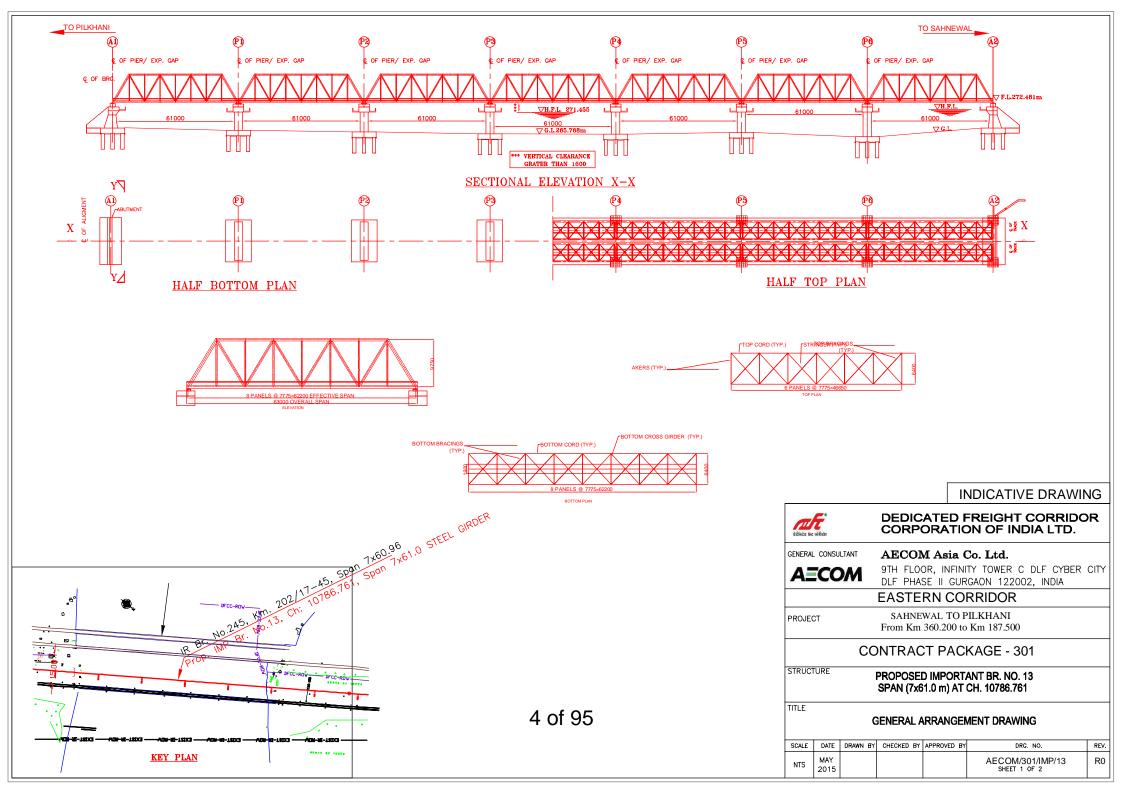
L. NO.	DESCRIPTION	DRAWING NO.	REVISION NO.	REMARKS	SL. NO.	DESCRIPTION	DRAWING NO.	REVISION NO.	REMARKS
1	GAD FOR IMPORTANT BRIDGE NO. 13 (YAMUNA)	AECOM/301/IMP/13	RO		31	GAD FOR MAJOR BRIDGE NO. 91	AECOM/301/MJR/91	RO	
2	GAD FOR IMPORTANT BRIDGE NO. 55 (MARKANDA)	AECOM/301/IMP/55	RO		32	GAD FOR MAJOR BRIDGE NO. 92	AECOM/301/MJR/92	RO	
3	GAD FOR ROB BRIDGE NO. 25	AECOM/301/ROB/25	RO		33	GAD FOR MAJOR BRIDGE NO. 93	AECOM/301/MJR/93	RO	
4	GAD FOR ROB BRIDGE NO. 120	AECOM/301/ROB/120	RO		34	GAD FOR MAJOR BRIDGE NO. 94	AECOM/301/MJR/94	R0	
5	GAD FOR MAJOR BRIDGE NO. 9	AECOM/301/MJR/9	RO		35	GAD FOR MAJOR BRIDGE NO. 95	AECOM/301/MJR/95	R0	
6	GAD FOR MAJOR BRIDGE NO. 10	AECOM/301/MJR/10	RO		36	GAD FOR MAJOR BRIDGE NO. 96	AECOM/301/MJR/96	RO	
7	GAD FOR MAJOR BRIDGE NO. 20	AECOM/301/MJR/20	RO		37	GAD FOR MAJOR BRIDGE NO. 103	AECOM/301/MJR/103	RO	
8	GAD FOR MAJOR BRIDGE NO. 31	AECOM/301/MJR/31	RO		38	GAD FOR MAJOR BRIDGE NO. 114	AECOM/301/MJR/114	R0	
9	GAD FOR MAJOR BRIDGE NO. 32	AECOM/301/MJR/32	RO		39	GAD FOR MAJOR BRIDGE NO. 115	AECOM/301/MJR/115	R0	
10	GAD FOR MAJOR BRIDGE NO. 34	AECOM/301/MJR/34	RO		40	GAD FOR MAJOR BRIDGE NO. 123	AECOM/301/MJR/123	R0	
11	GAD FOR MAJOR BRIDGE NO. 35	AECOM/301/MJR/35	R0		41	GAD FOR MAJOR BRIDGE NO. 126	AECOM/301/MJR/126	R0	
12	GAD FOR MAJOR BRIDGE NO. 37	AECOM/301/MJR/37	R0		42	GAD FOR MAJOR BRIDGE NO. 134	AECOM/301/MJR/134	R0	
13	GAD FOR MAJOR BRIDGE NO. 38	AECOM/301/MJR/38	R0		43	GAD FOR MAJOR BRIDGE NO. 135	AECOM/301/MJR/135	RO	
14	GAD FOR MAJOR BRIDGE NO. 39	AEC 0M/301/MJR/39	RO		44	GAD FOR MAJOR BRIDGE NO. 136	AECOM/301/MJR/136	RO	
15	GAD FOR MAJOR BRIDGE NO. 40	AECOM/301/MJR/40	R0		45	GAD FOR MAJOR BRIDGE NO. 140	AECOM/301/MJR/140	RO	
16	GAD FOR MAJOR BRIDGE NO. 41	AECOM/301/MJR/41	RO		46	GAD FOR MAJOR BRIDGE NO. 145	AECOM/301/MJR/145	RO	
17	GAD FOR MAJOR BRIDGE NO. 48	AECOM/301/MJR/48	RO		47	GAD FOR MAJOR BRIDGE NO. 148	AECOM/301/MJR/148	RO	
18	GAD FOR MAJOR BRIDGE NO. 52	AECOM/301/MJR/52	RO		48	GAD FOR MAJOR BRIDGE NO. 163	AECOM/301/MJR/163	RO	
19	GAD FOR MAJOR BRIDGE NO. 53	AECOM/301/MJR/53	RO		49	GAD FOR MAJOR BRIDGE NO. 170	AECOM/301/MJR/170	RO	
20	GAD FOR MAJOR BRIDGE NO. 54	AECOM/301/MJR/54	RO		50	GAD FOR MAJOR BRIDGE NO. 199	AECOM/301/MJR/199	R0	
21	GAD FOR MAJOR BRIDGE NO. 58	AECOM/301/MJR/58	RO		51	GAD FOR RFO BRIDGE NO. 69	AECOM/301/RFO/69	R0	
22	GAD FOR MAJOR BRIDGE NO. 60	AECOM/301/MJR/60	RO		52	GAD FOR RFO BRIDGE NO. 108	AECOM/301/RFO/108	R0	
23	GAD FOR MAJOR BRIDGE NO. 61	AECOM/301/MJR/61	RO		53	GAD FOR RFO BRIDGE NO. 164	AECOM/301/RFO/164	RO	
24	GAD FOR MAJOR BRIDGE NO. 62	AECOM/301/MJR/62	RO		54	GAD FOR RFO BRIDGE NO. 165	AECOM/301/RFO/165	RO	
25	GAD FOR MAJOR BRIDGE NO. 64	AEC 0M/301/MJR/64	RO		55	GAD FOR MAJOR RUB BRIDGE NO. 68	AECOM/301/MJR-RUB/68	RO	
26	GAD FOR MAJOR BRIDGE NO. 65	AEC 0M/301/MJR/65	RO		56	GAD FOR MAJOR RUB BRIDGE NO. 77	AECOM/301/MJR-RUB/77	RO	
27	GAD FOR MAJOR BRIDGE NO. 74	AEC 0M/301/MJR/74	RO		57	GAD FOR MAJOR RUB BRIDGE NO. 162	AECOM/301/MJR-RUB/162	RO	
28	GAD FOR MAJOR BRIDGE NO. 75	AEC 0M/301/MJR/75	RO		58	TYPICAL GAD FOR MINOR BRIDGE (1X4X4m)	AECOM/301/MI/TYPICAL/1	RO	
29	GAD FOR MAJOR BRIDGE NO. 79	AECOM/301/MJR/79	R0		59	TYPICAL GAD FOR MINOR RUB (1X5.5X4.5m)	AECOM/301/MNR-RUB/TYPICAL/2	R0	
30	GAD FOR MAJOR BRIDGE NO. 90	AEC 0M/301 /MJR/90	R0		60	TYPICAL GAD FOR MINOR RUB (1X7.5X4.5m)	AECOM/301/MNR-RUB/TYPICAL/1	RO	

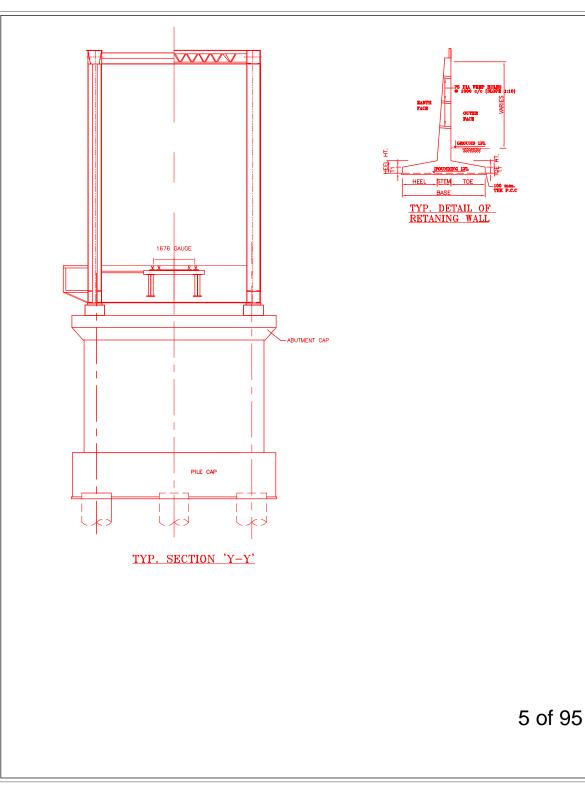
GENERAL CONSU	SULTANT	TITLE	Æ	DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.
	ECOM Asia Co. Ltd.	CONTENTS BRIDGE	डेडीकेटेड फ्रेंट कोरीडोर	(A GOVERNMENT OF INDIA ENTERPRISE)
9TH	TH FLOOR, INFINITY TOWER C DLF CYBER CITY LF PHASE II GURGAON 122002, INDIA	DRAWING		EASTERN CORRIDOR
		(301)	PROJECT	SAHNEWAL TO PILKHANI

Contract Package: 301

SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

GAD OF IMPORTANT BRIDGES

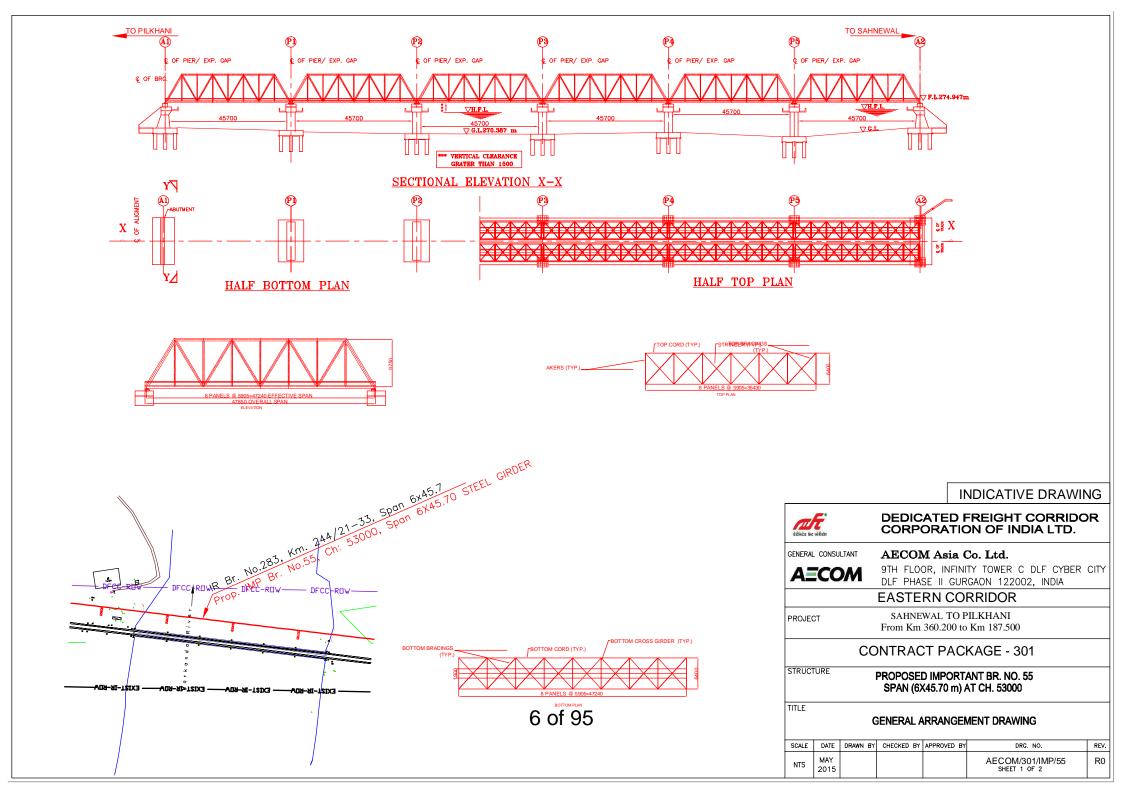


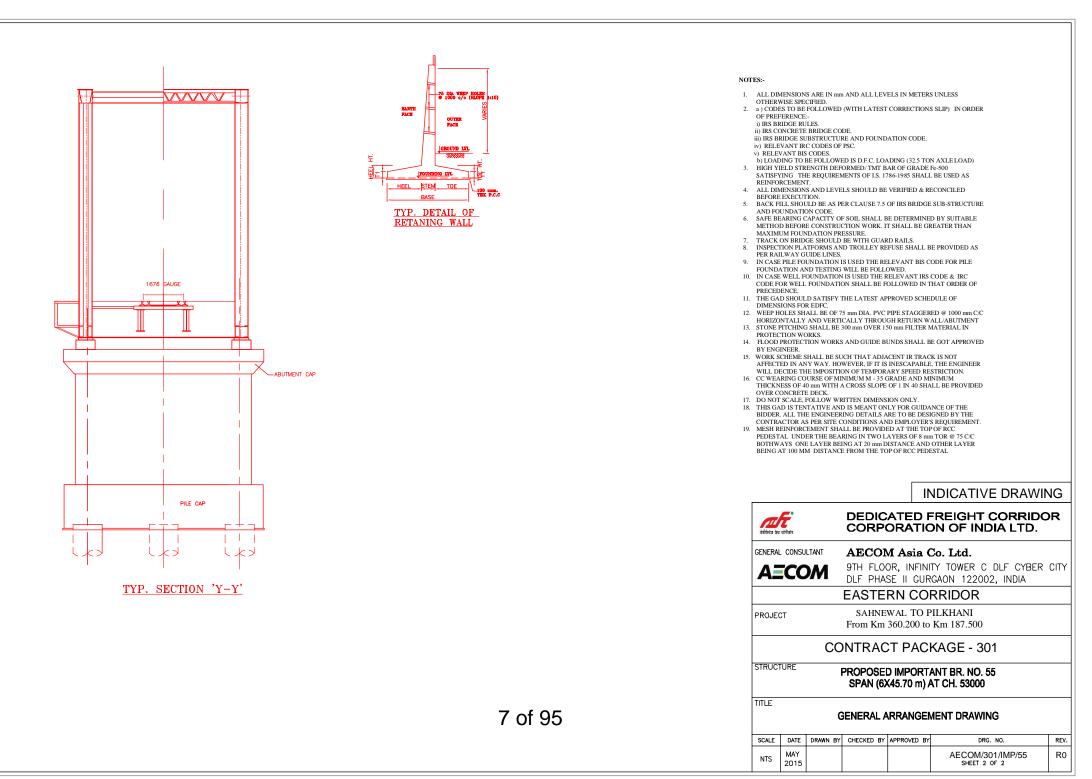


NOTES:-

- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS
- OTHERWISE SPECIFIED a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF PREFERENCE:-2.
- i) IRS BRIDGE RULES.
- ii) IRS CONCRETE BRIDGE CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) HIGH YIELD STRENGTH DEFORMED/TMT BAR OF GRADE Fe-500
- 3. SATISFYING THE REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT.
- ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED 4. BEFORE EXECUTION.
- BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE 5 AND FOUNDATION CODE.
- SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN 6. MAXIMUM FOUNDATION PRESSURE.
- TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- INSPECTION PLATFORMS AND TROLLEY REFUSE SHALL BE PROVIDED AS PER RAILWAY GUIDE LINES.
- IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE 9 FOUNDATION AND TESTING WILL BE FOLLOWED.
- 10. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE.
 11. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF
- DIMENSIONS FOR EDFC.
- 12. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT 13. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN
- PROTECTION WORKS. 14. FLOOD PROTECTION WORKS AND GUIDE BUNDS SHALL BE GOT APPROVED
- BY ENGINEER. 15. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT
- AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION. 16. CC WEARING COURSE OF MINIMUM M - 35 GRADE AND MINIMUM
- THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED
- OVER CONCRETE DECK. 17. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY. 18. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE
- CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT. 19. MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL

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GENERAL	. CONSU	LTANT	AECON	Asia (Co. Ltd.			
A	CC	M	9TH FLOOR, INFINITY TOWER C DLF CYBER CIT DLF PHASE II GURGAON 122002, INDIA					
			EASTE	RN CO	RRIDOR			
PROJE	ст			WAL TO P 360.200 to	PILKHANI Km 187.500			
		CC	NTRAC	T PAC	KAGE - 301			
STRUC	TURE			++-	RDER BR. NO. 13 CH. 10786.761			
TITLE		G	GENERAL A	RRANGE	IENT DRAWING			
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV		
NTS	MAY 2015				AECOM/301/IMP/13 SHEET 2 OF 2	RC		





Contract Package: 301

SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

GAD OF ROBs

NOTES 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE Account of the second sec FOOT PATH--C.L. OF ROAD PILKHANI -DAL INC -SAHNEWAL P 8040 | EVEL 107.7 v) RELEVANT BIS CODES. b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) EARTH FILL CSB N.R. BOUNDARY 3044 TOM OF BOX 106.32 C.L. OF EXISTING TRACK (DOWN LINE) 5 - C.L. OF EXISTING TRACK (UP LINE) -C.L. OF PROPOSED DFC TRACK BCC 80X 8000X7170 PROPOSED RAIL LEVEL 100.00 BOTTOM LEVEL OF BOX 99.255 TO PO SLABROX STALL HAVE A WEARIN COURSE OF I NATIONAUS OFFESSIBLE RE PORTE DRAMMER. BESIST THAT ADJACET IN TRACKS IN OFFEED IN ANYAY. HORNVER, HF I IS INSCAPARLE THE EXCREME WILL DECIDE THE DROSTRON OF TEMPORARY SPEED RESTRICTION
 13. THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK DISC(N) OF SUCH ROTTON WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE
 2 4 4 4 4 K -13900 R0A0 ROAD SECTION AT C-D APPROVED BY THE SITE ENGINEER. 14. THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL. (F) LIAS BEEN ASCURED AS 720mm.
 (F) LIAS BEEN ASCURED AS 720mm.
 (F) FOROPR OLITES TO NO SSIGN FOR DE ANIAGE OF DISCHARGE IS TO BEENNURED.
 (S) LIAS BEEN ASTO BE PROVIDED BETWEEN THE IR AND DE CROMATIONS AND THE
 WING WALLS SHOLL DI LAYE PROVISION TOR DISCHARGE OF FLOW FROM THESE DRANG.
 (S) ASFE BEARING CAPACITY OF SOLL SHALL BE CONTRIVED BY SUITABLE METHOD BEFORE
 CONSTRUCTION WORK. IT SHALL BE CREATER THAN MAXIMMENTONIATIKE PRESSURE.
 (R) AND MAY AD USED AS PROVIDED AS FER THE SITE COMPTION IT SHOULD BE KEFT
 (M) AND MAXIMA SHIDD.
 (S) THE CADA SHOLD AS ASTER THE SITE COMPTION IT SHOULD BE KEFT
 (M) THESE THE ADDUCT AS FERT THE SITE COMPTION IT SHOULD BE KEFT
 (M) AS THE TO ADDUCT AS FERT THE SITE COMPTION IT SHOULD BE KEFT
 (M) AS THE MAY ADDUCT AS FERT THE SITE COMPTION IT SHOULD BE KEFT (FL) HAS BEEN ASSUMED AS 730mm. \mathbb{D}^{2} SITE PLAN MINIMUM AS 1400. IN THE GAD SHOLLD SATTELY THE LATECT OPHOTOES SCHEDULE OF DRUGSON FOR DEPCC. IN THE GAD SHOLLD SATTELY THE LATECT OPHOTOES OF DRUG PROVIDER OF DRUG PROVIDER 10. RCC. CLASH BARRIER WILL BE PROVIDED AS FRA APPROVED DRAWING. 20. DRUG SHALL BA APPR LATEST BELEVANT CODE OF RE AND DIRECTORE APPROVED DRUG SHALL BA APPR LATEST BELEVANT CODE OF RE AND DIRECTORE APPROVED 10. DRUG SHALL BA APPR LATEST BELEVANT CODE OF RE AND DIRECTORE APPROVED 11. DRUG SHALL BA APPR LATEST BELEVANT CODE OF RE AND DIRECTORE APPROVED 12. DRUG SHALL BA APPR LATEST BELEVANT CODE OF RE AND DIRECTORE APPROVED 13. THEP STONLING ARRANGEMENT WILL BE DONE AS PER CR 15.09(J) AS & S IS 59(J) OR GR 15.90(J) AS S IS 59(J) OLIVICIES AND DIRECTORE APPROVED. Orghe S. B. 1599 (2) WHICH EVER IS ADOPTABLE FREQUEND.
 LOADNO BRODE SHALL BE DESIGNED FOR ONE LAIN OR CLASS AN ATR LOADNO OR DOUBLE LANES OF CLASS A WHICH EVER PRODUCES THE MAXIMUM STRESSIS.
 PROVISION OF CLASM IS IN THE SUPERTRUCTURE FOR SUPPORTING A. TRACTION WRET TO 20 MAY AND A MARKED AND A MAXIMUM STRESSIS.
 THOPGRARY AREANINGMENT DRAWING OR METHODOLOGY FOR LAINCEING OF GREDES OVER BALLWAY TRACK AND CONSTRUCTION OF PHONATOMSUNGENTURE ADDALES AND AND A MARKAN AND A MARKAN AND A MARKAN A MATHRAFTY DEFORE STARTING OF WORK. EXISTING ABUTMENT ž EXISTING ABUTMEN EXISTING ABUTMEN 90 DEGREI -C.L. OF EXISTING TRACK (down line) -SAHNEWA PILKHANI ----90 DEGREE -C.L. OF EXISTING TRACK(up line) EXISTING ABUTWE С \square INDICATIVE DRAWING EXISTING ABLITWENT Δ afitica de alfiete DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD. -CL. OF PROPOSED DFC TRAC GENERAL CONSULTANT AECOM Asia Co. Ltd. RCC BOX 1 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY AECOM DLF PHASE II GURGAON 122002, INDIA EASTERN CORRIDOR SAHNEWAL TO PILKHANI PROJECT EXISTING ABUTMENT From Km 360.200 to Km 187.500 CONTRACT PACKAGE - 301 $\triangleleft \Box$ STRUCTURE PROPOSED MODIFICATION OF ROB. NO. 25 SECTION AT A-B

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PLAN

SPAN (1X6X7.17m) AT CH. 21287.635

GENERAL ARRANGEMENT DRAWING

DRG. NO.

AECOM/301/ROB/25

REV.

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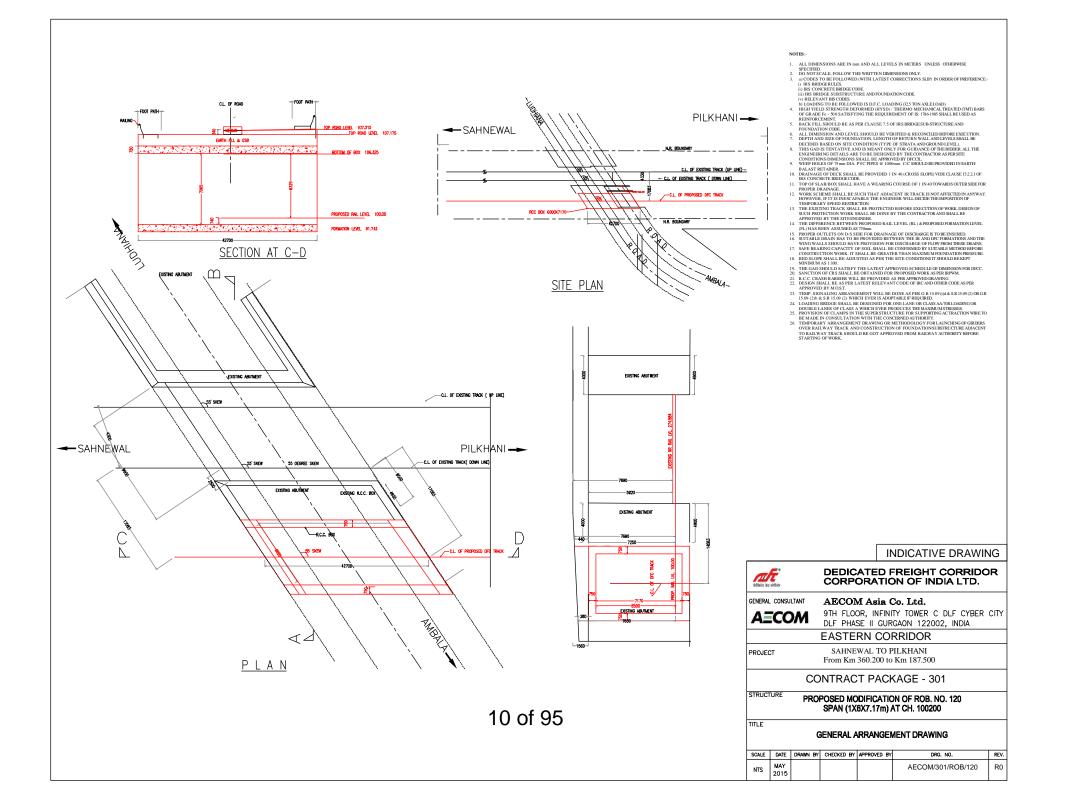
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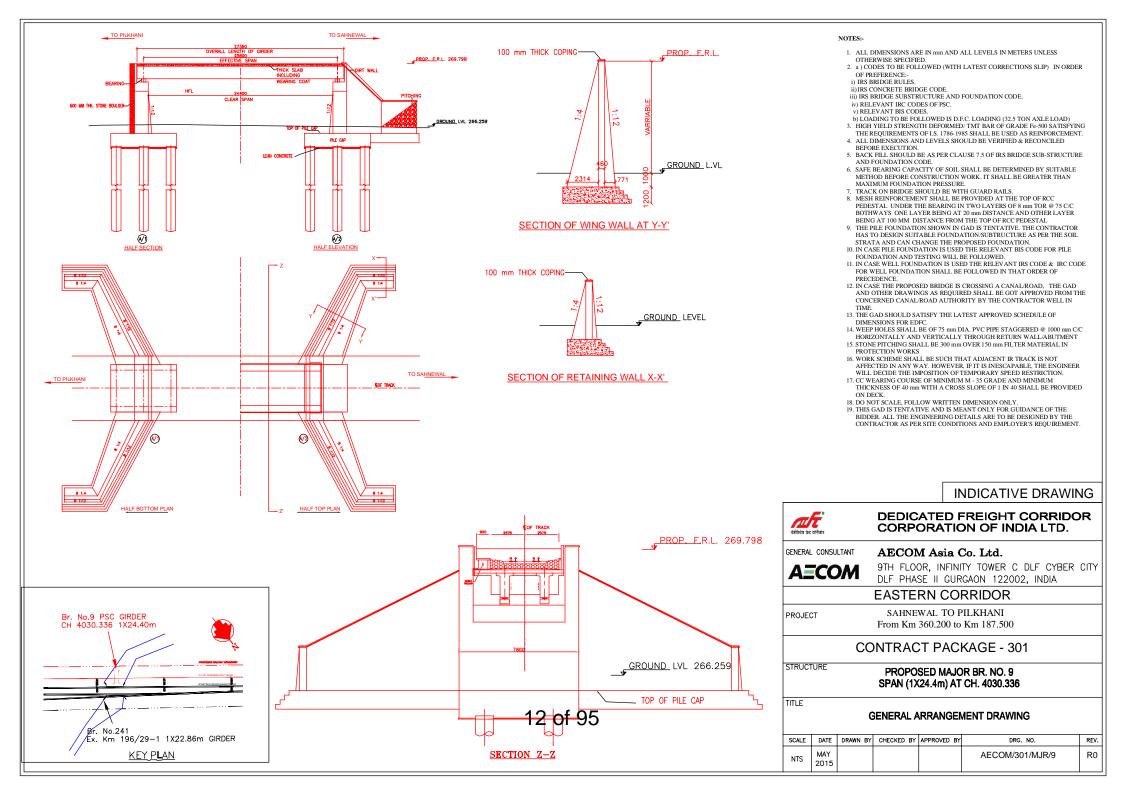
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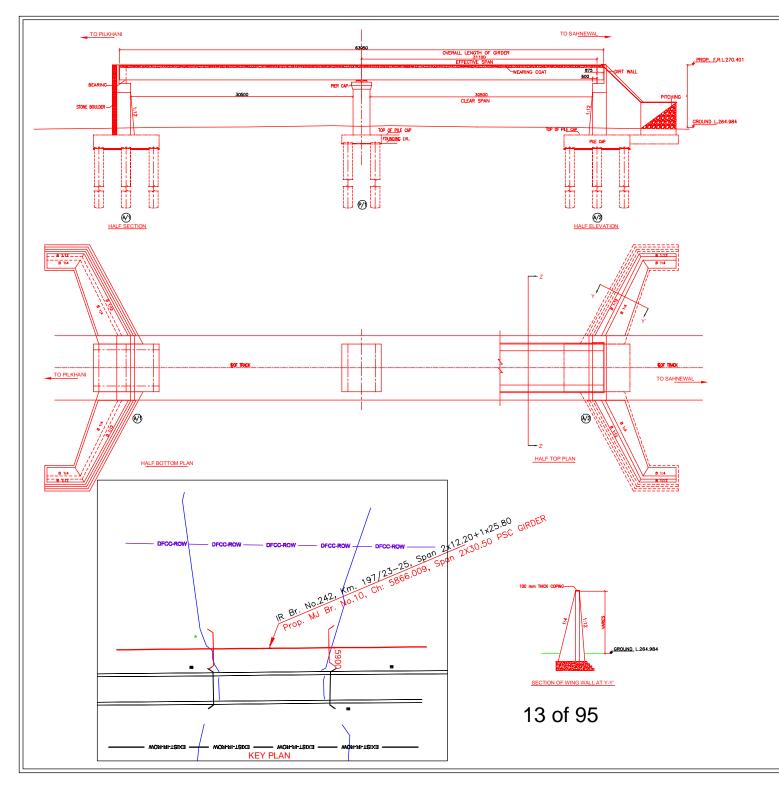


Contract Package: 301

SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

GAD OF MAJOR BRIDGES



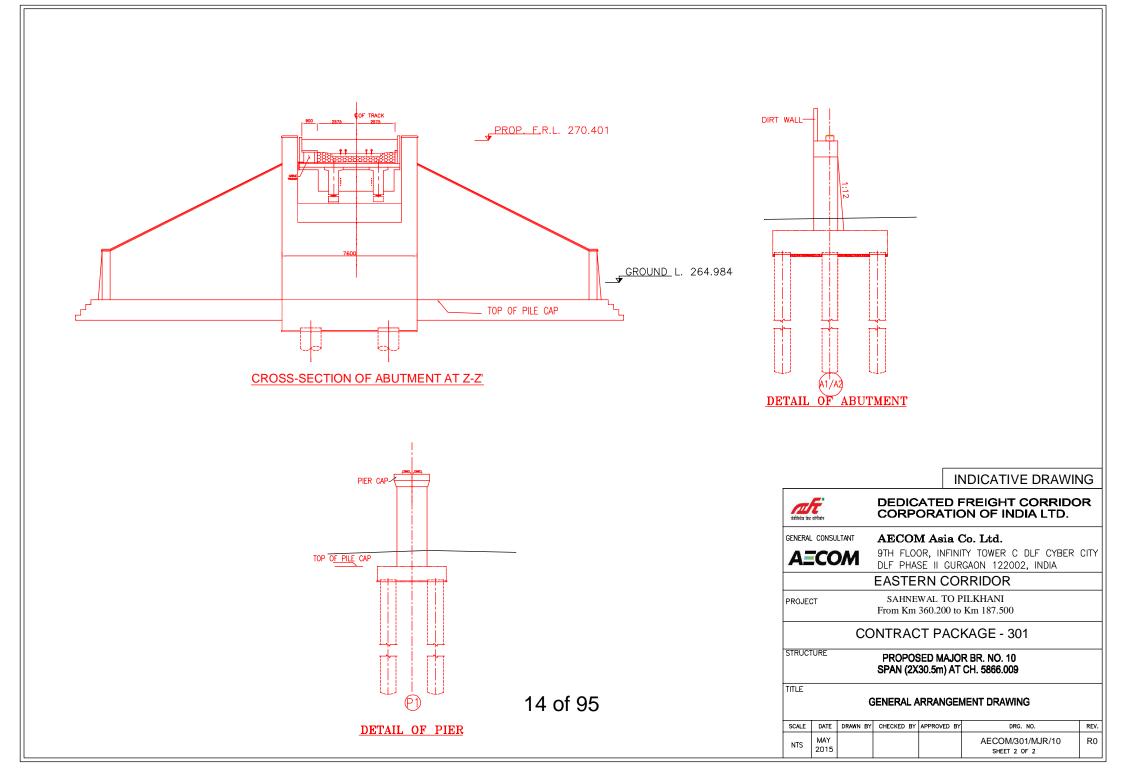


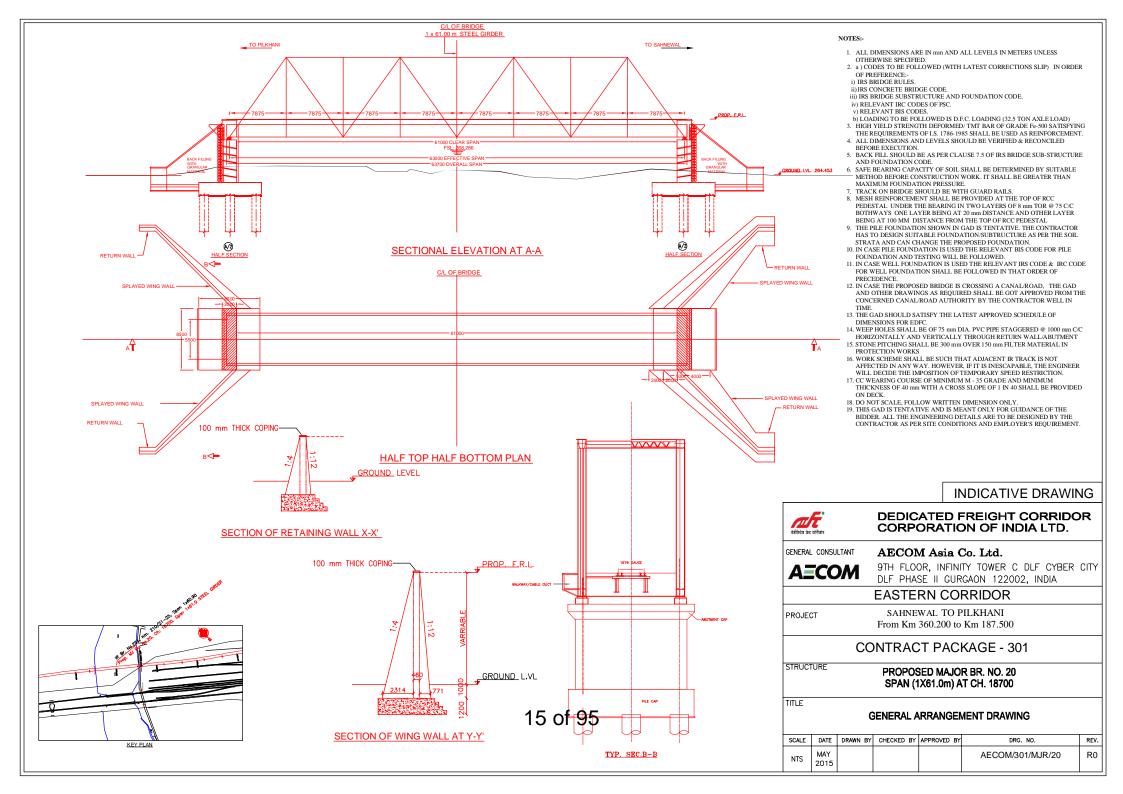
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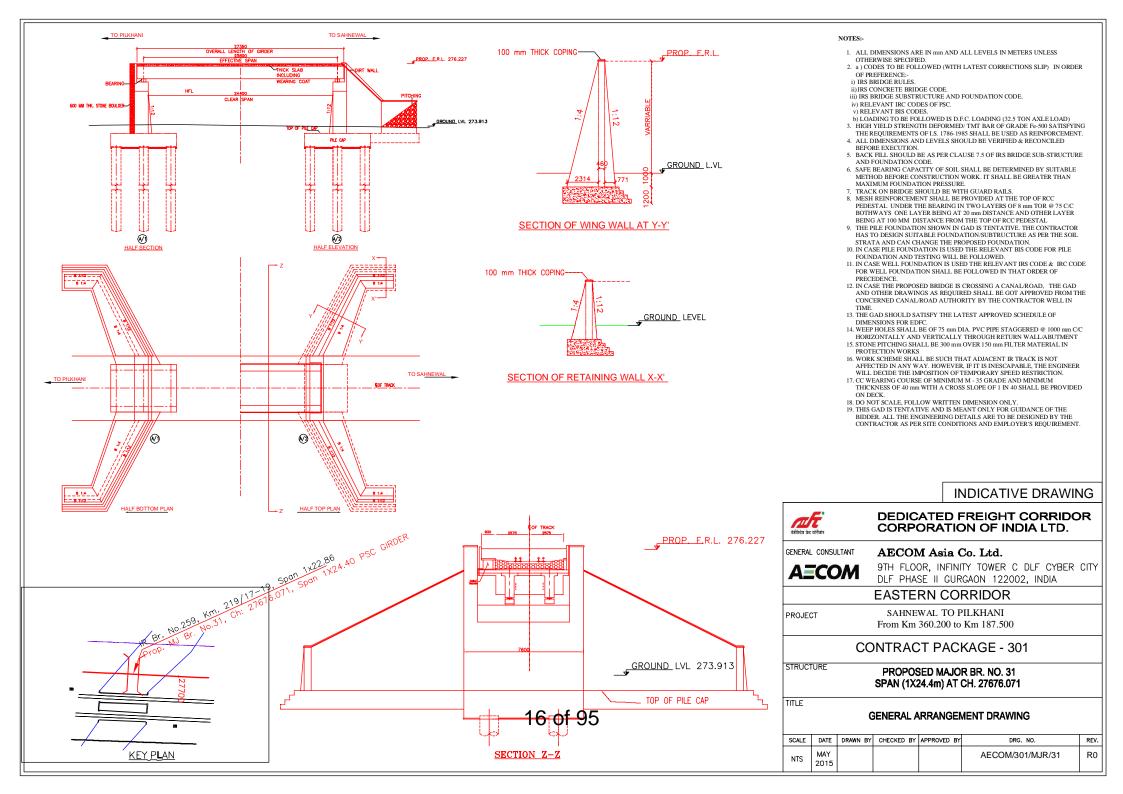
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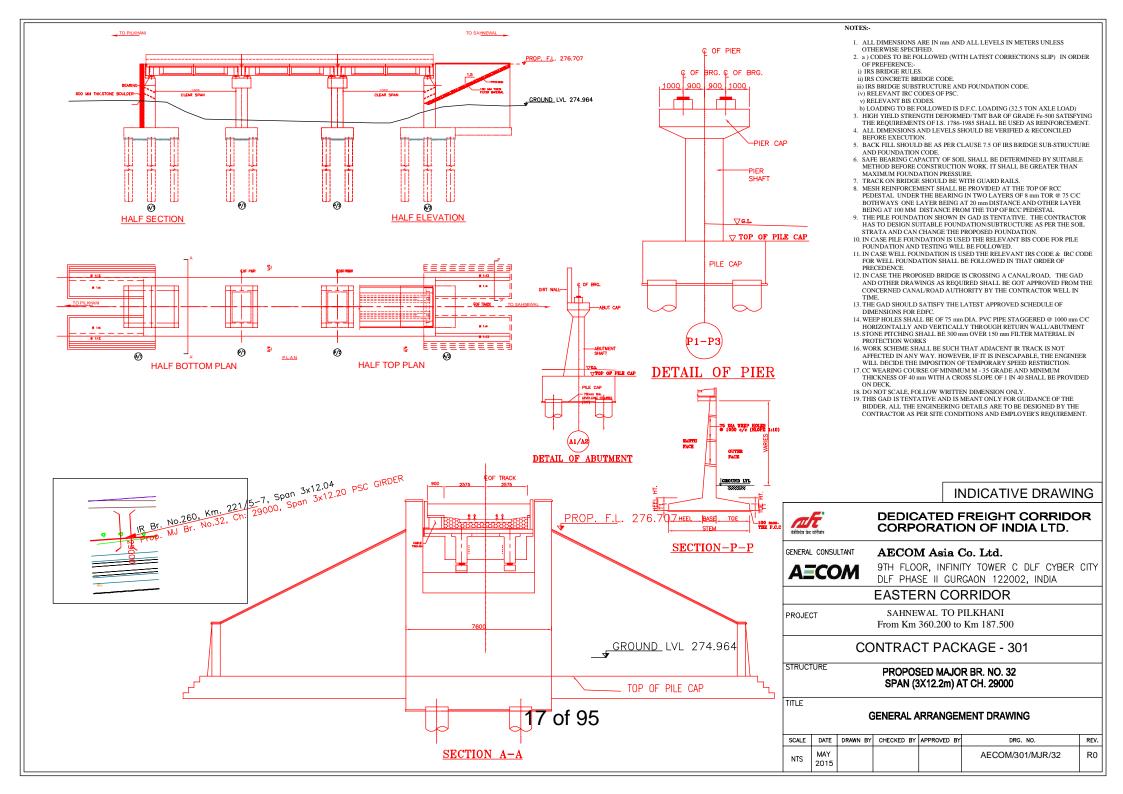
- 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER
- OF PREFERENCE:-
- i) IRS BRIDGE RULES.
 ii) IRS CONCRETE BRIDGE CODE.
- ii) IRS CONCRETE BRIDGE CODE.
 iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATI iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
- THE REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT. 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED
- BEFORE EXECUTION. 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE.
- AND FOUNDATION CODE 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL UNDER THE BEARING IN TWO LAYERS OF 8 mm TOR @ 75 CC BOTHWAYS ONE LAYER BEING AT 20 mm DISTANCE AND OTHER LAYER BEING AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
- THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED FOUNDATION.
 IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE
- FOUNDATION AND TESTING WILL BE FOLLOWED. 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF
- PRECEDENCE. 12. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL/ROAD, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL/ROAD AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 13. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDFC.
- WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALLABUTMENT 15. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN
- 15. STONE FITCHING SHALL BE 300 mm OVER 130 mm FILTER MATERIAL IN PROTECTION WORKS 16. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT
- AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION. 17. CC WEARING COURSE OF MINIMUM M - 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED
- THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDE ON DECK. 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
- 18. DO NOTS CALLET, TOLEOW WAT FEED BUILDENDON ONCL." 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYERS REQUIREMENT.

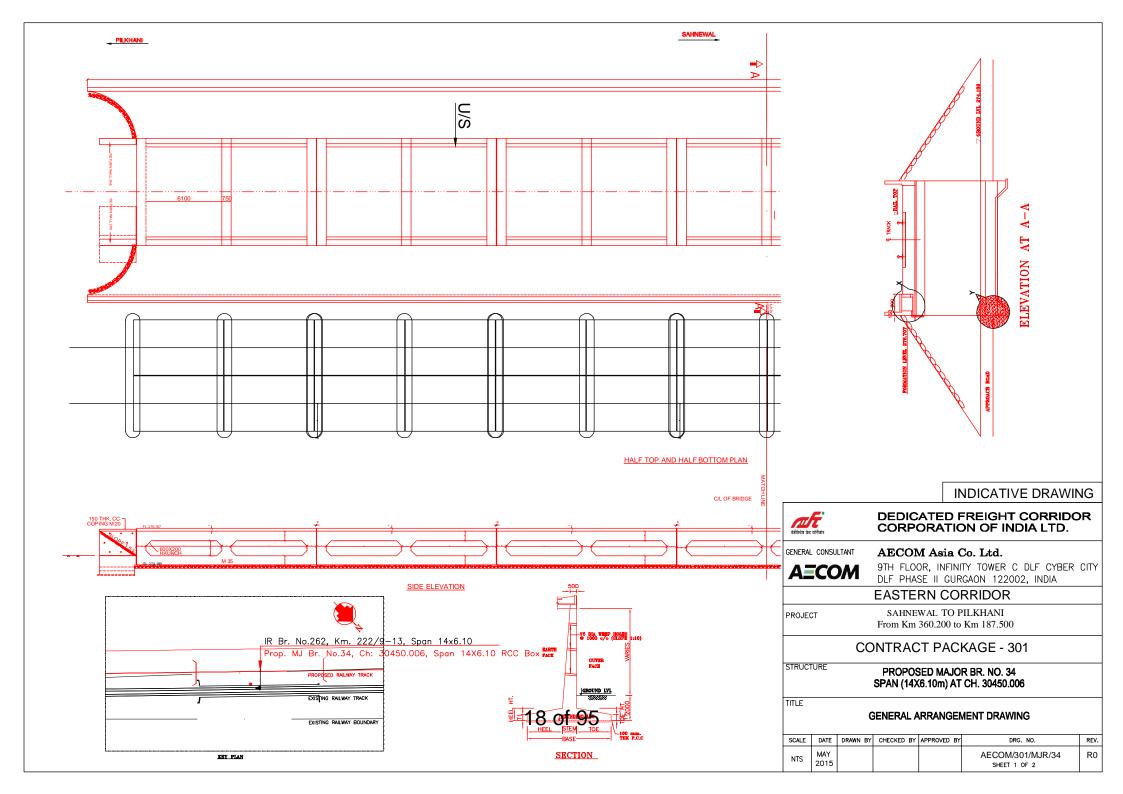
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GENERAL	CONSU	LTANT	AECON	Asia (Co. Ltd.			
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PROJEC	т			WAL TO F 360.200 to	YILKHANI Km 187.500			
		CC	NTRAC	T PAC	KAGE - 301			
STRUCT	URE				R BR. NO. 10 CH. 5866.009			
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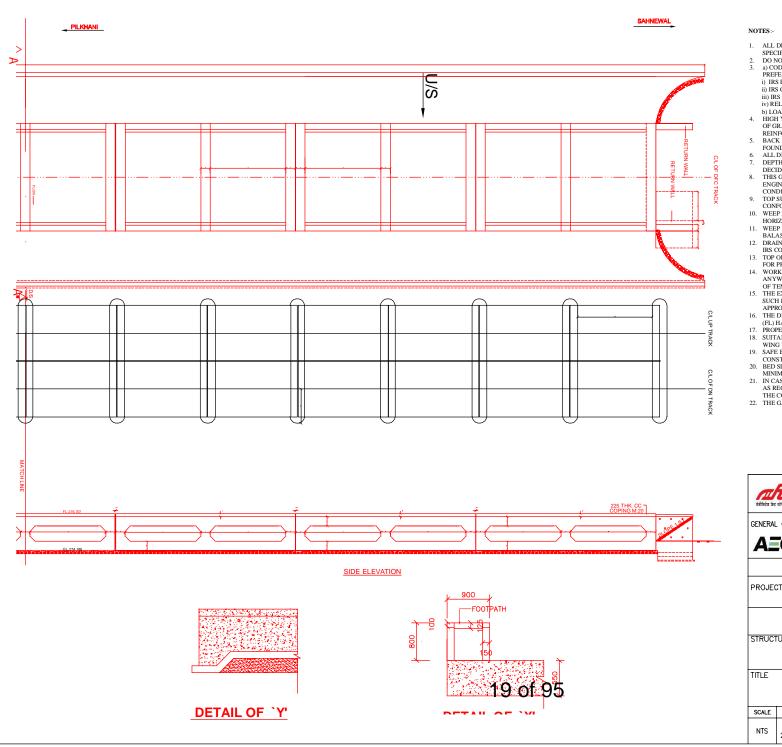








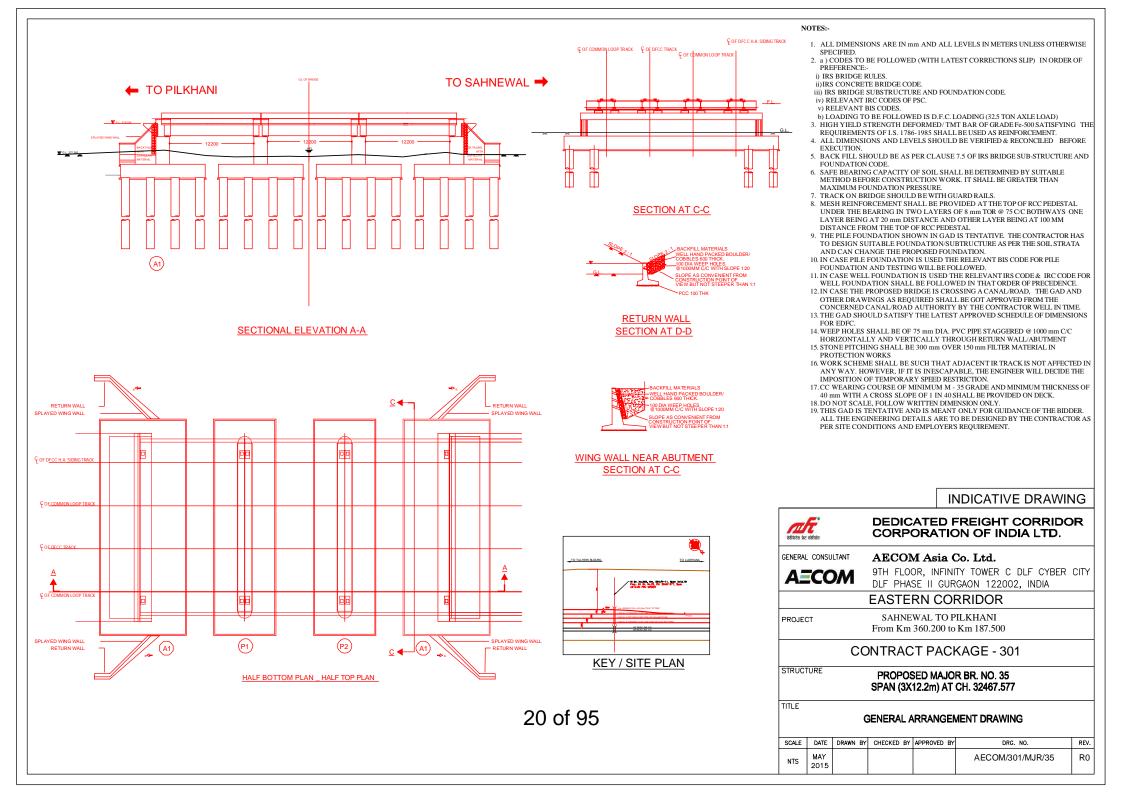


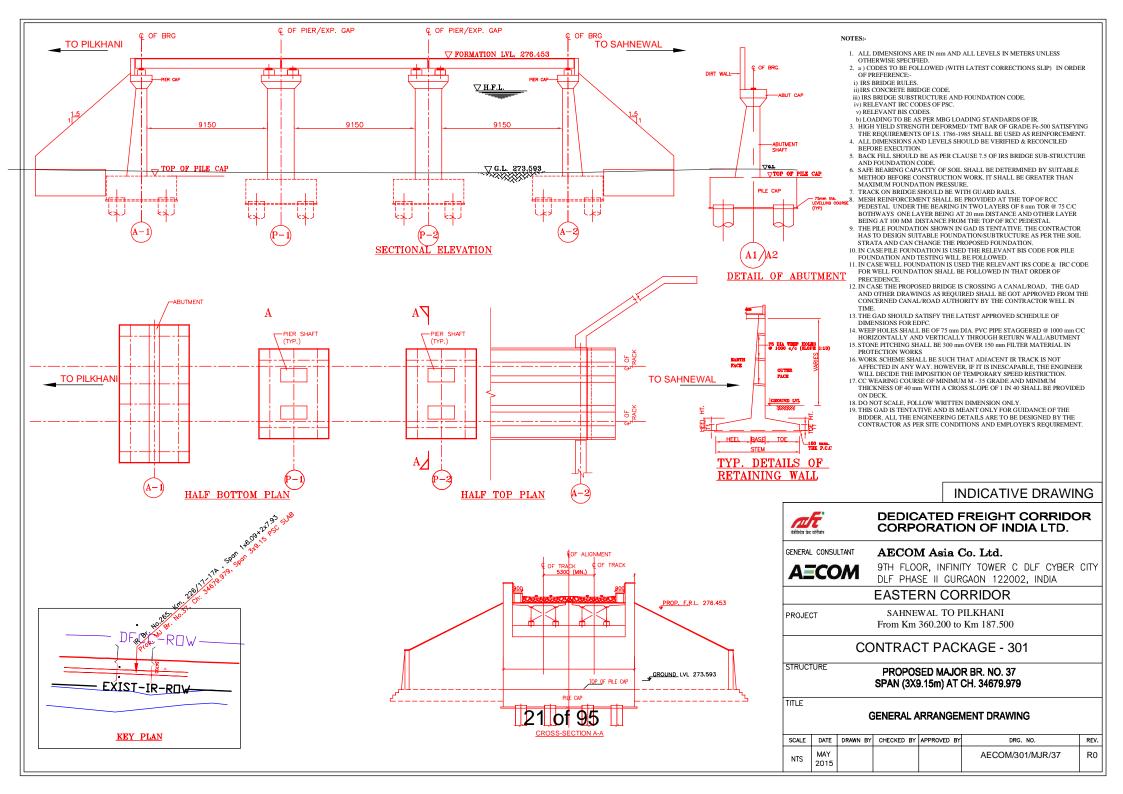


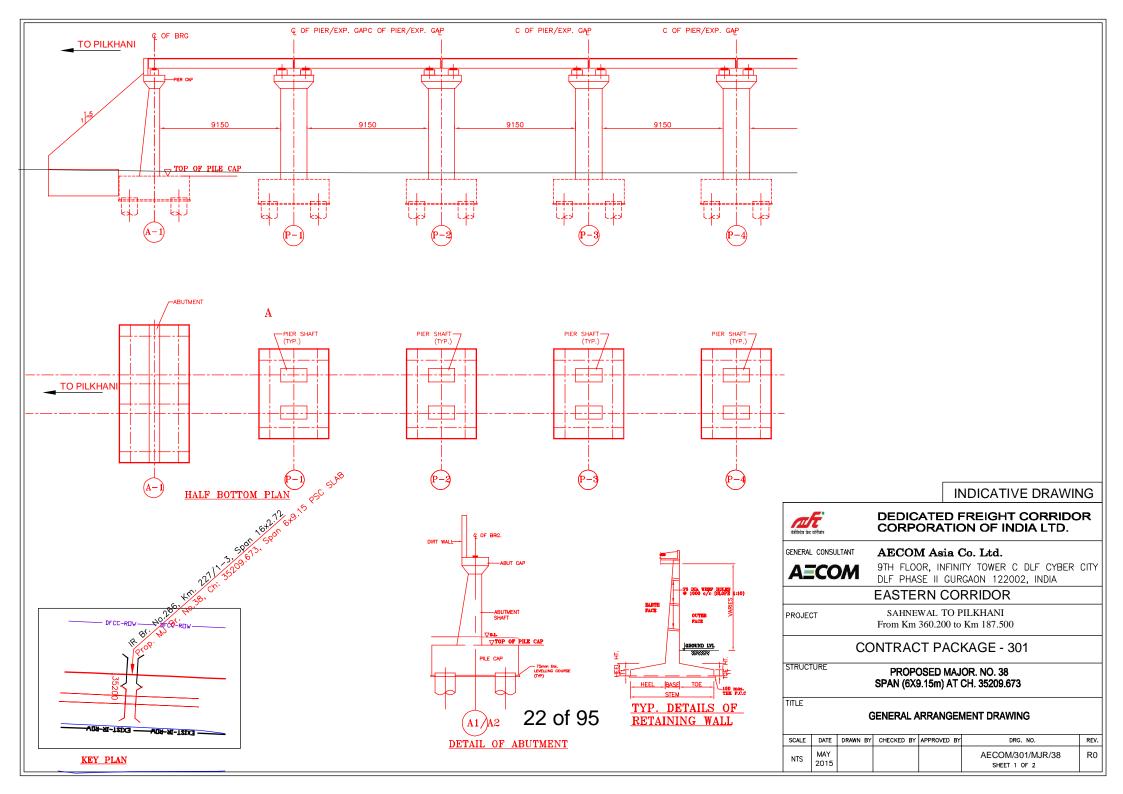
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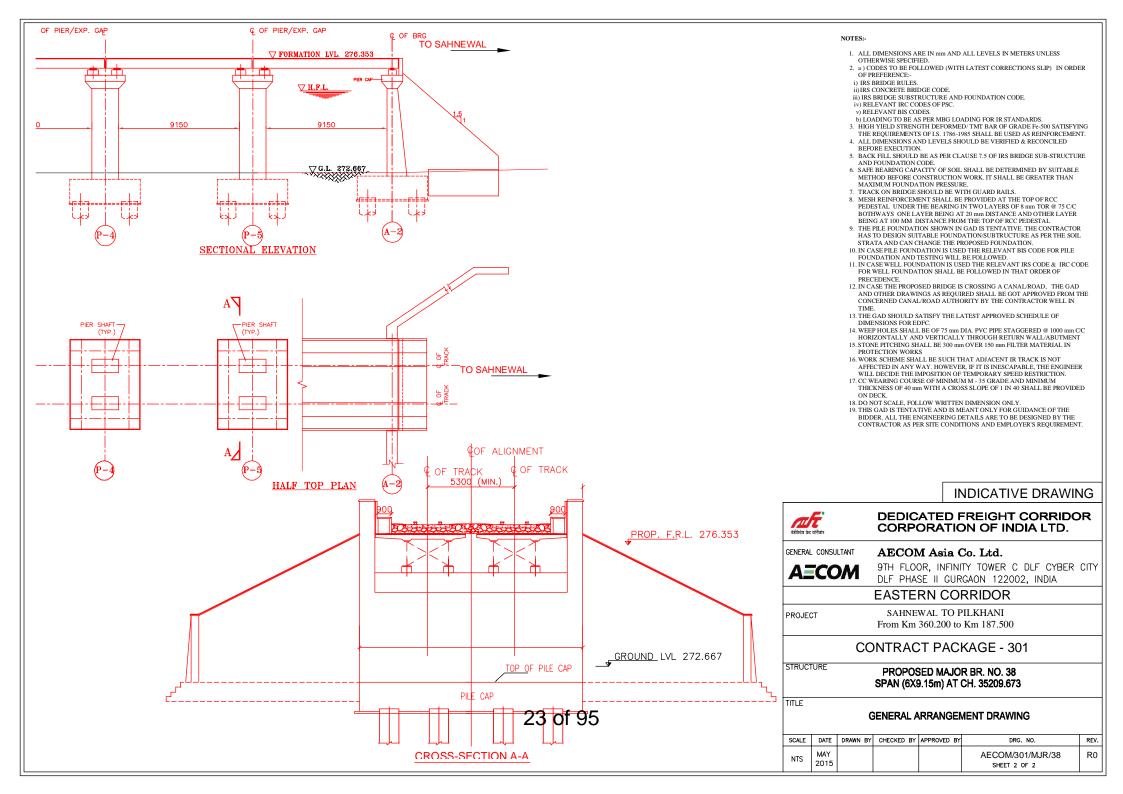
- SPECIFIED
- DO NOT SCALE, FOLLOW THE WRITTEN DIMENSIONS ONLY. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF
- PREFERENCE
- i) IRS BRIDGE RULES
- ii) IRS CONCRETE BRIDGE CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
 HIGH YIELD STRENGTH DEFORMED (HYSD) / THERMO MECHANICAL TREATED (TMT) BARS OF GRADE Fe - 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
- BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUND ATION CODE
- ALL DIMENSION AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION. DEPTH AND SIZE OF FOUNDATION, LENGTH OF RETURN WALL AND LEVELS SHALL BE
- DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVEL). 8. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER, ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE
- CONDITIONS/DIMENSIONS SHALL BE APPROVED BY DFCCIL TOP SURFACE AND SIDE OF BOX SHALL BE GIVEN TWO COATS OF COAL TAR OR BITUMEN CONFORMING TO IS: 3070-1965 BEFORE FILLING OF EARTH.
- 10. WEEP HOLES SHALL BE OF 75mm DIA. PVC PIPE STAGGERED @ 1000mm C/C
- HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- 11. WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm C/C SHOULD BE PROVIDED IN EARTH/ BALAST RETAINER. 12. DRAINAGE OF DECK SHALL BE PROVIDED 1 IN 40 (CROSS SLOPE) VIDE CLAUSE 15.2.2.1 OF
- IRS CONCRETE BRIDGE CODE.
- 13. TOP OF SLAB/BOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE FOR PROPER DRAINAGE.
- 14. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANYWAY. HOWEVER, IF IT IS INESCAPABLE THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 15. THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK. DESIGN OF SUCH PROTECTION WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE APPROVED BY THE SITE ENGINEER.
- 16. THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL (FL) HAS BEEN ASSUMED AS 730mm
- 17. PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED. 18. SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE
- WING WALLS SHOULD HAVE PROVISION FOR DISCHARGE OF FLOW FROM THESE DRAINS. 19 SAFE BEARING CAPACITY OF SOIL SHALL BE CONFIRMED BY SUITABLE METHOD BEFORE
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- 21. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL. THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 22. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

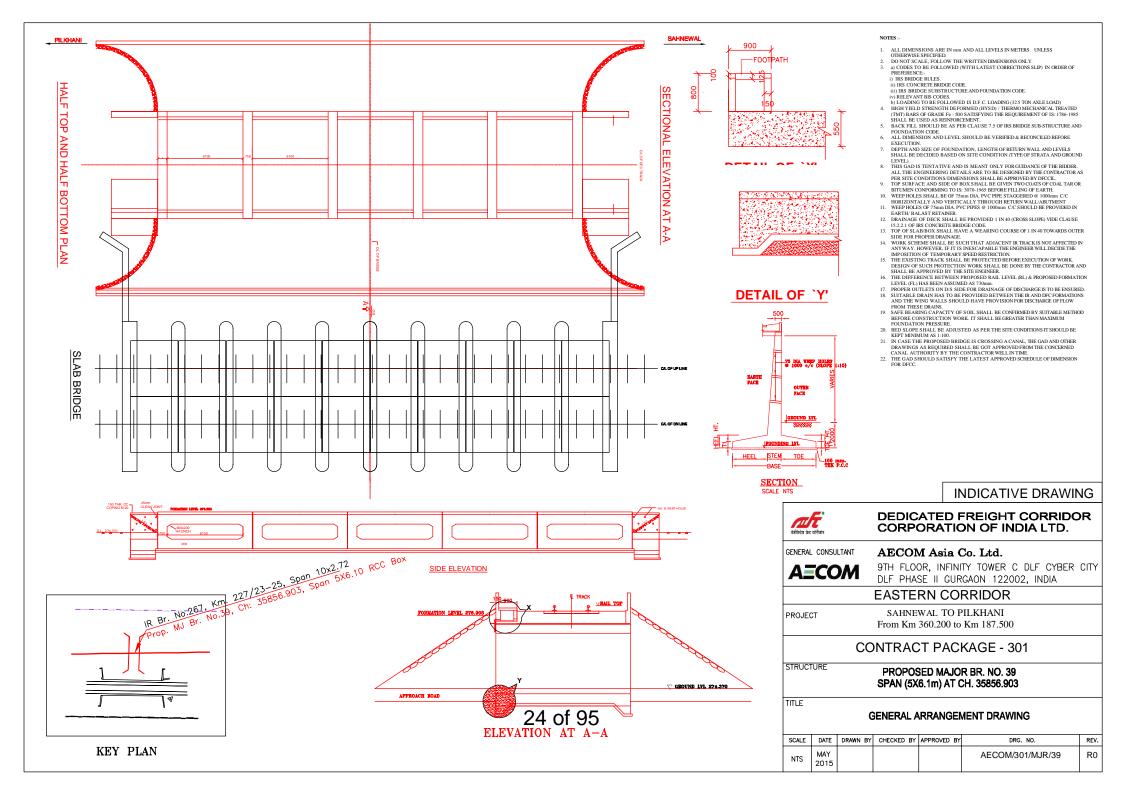
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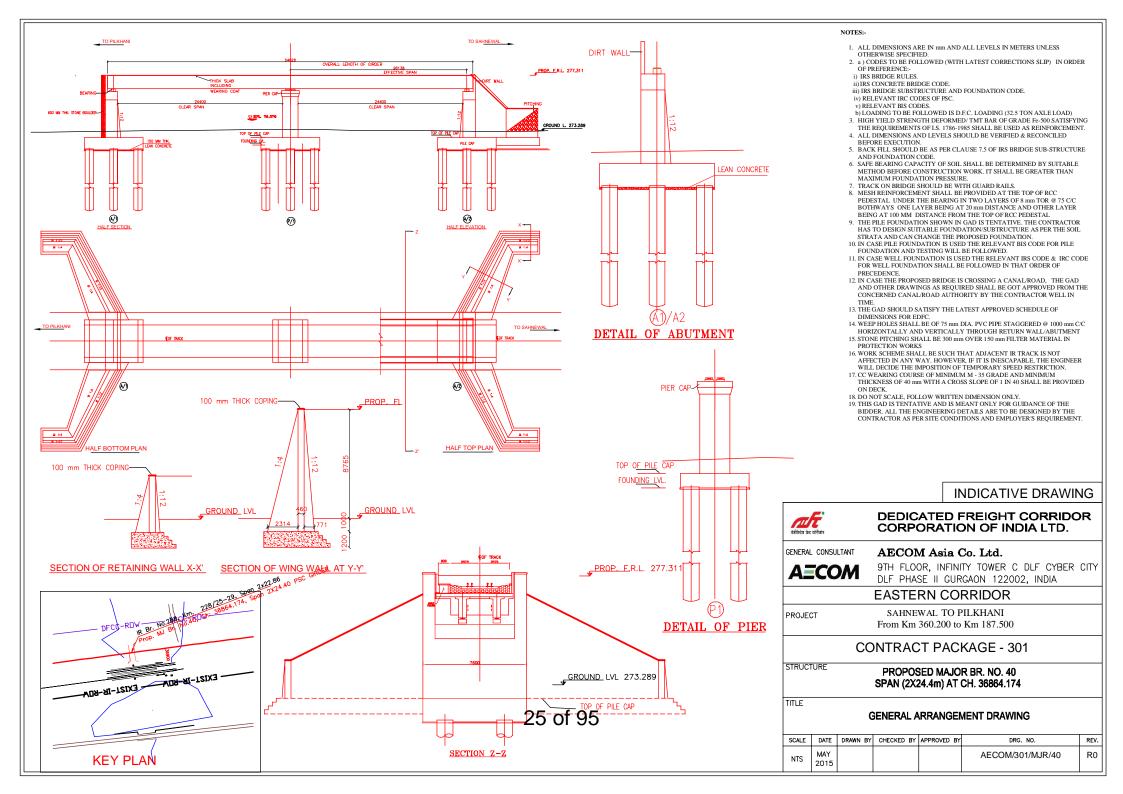


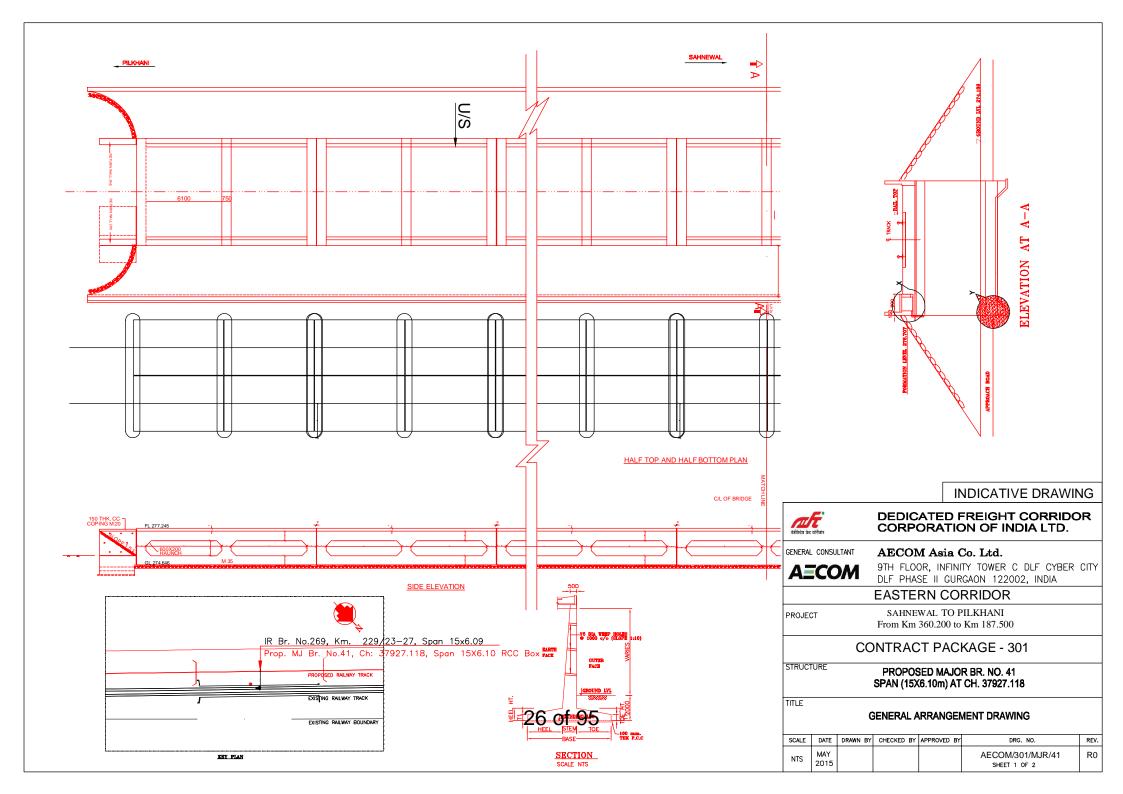


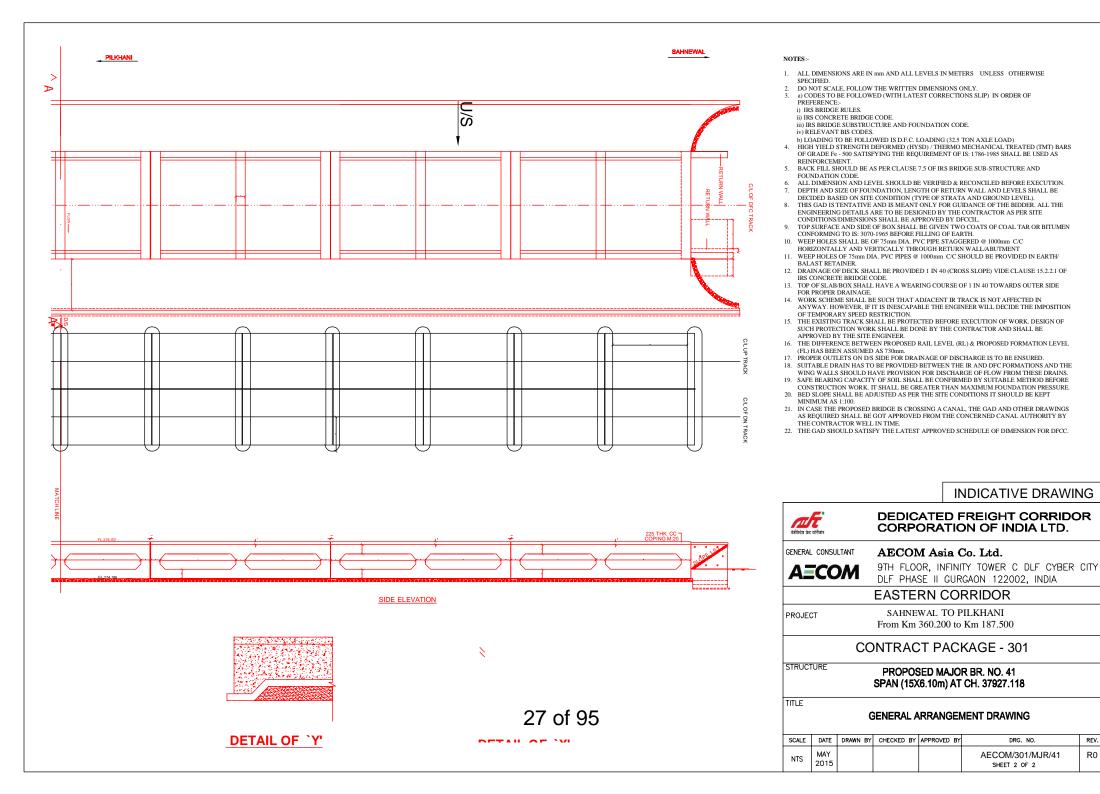


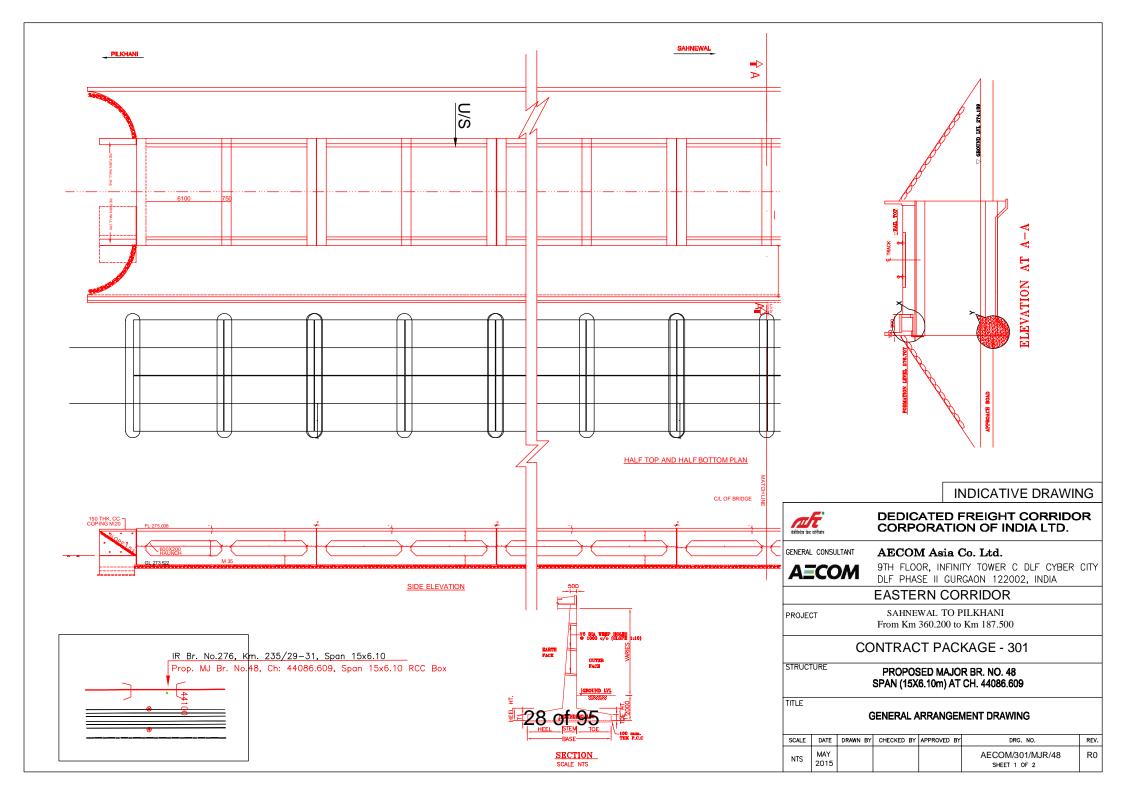


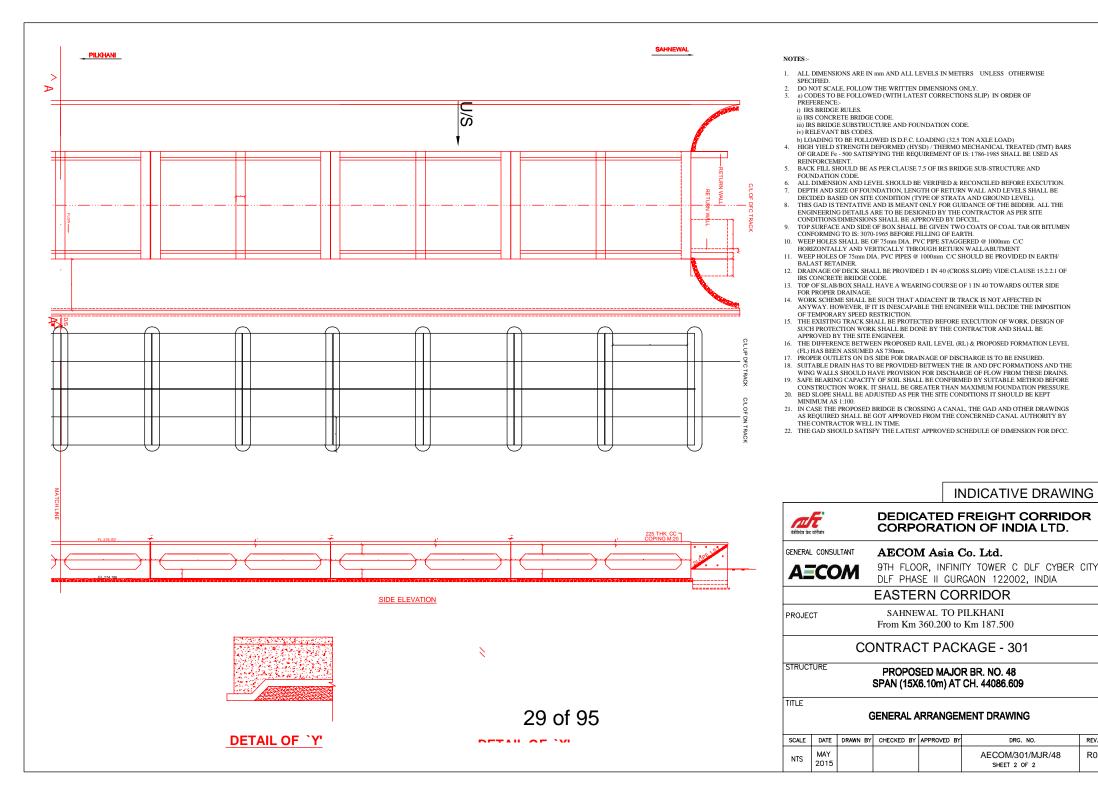












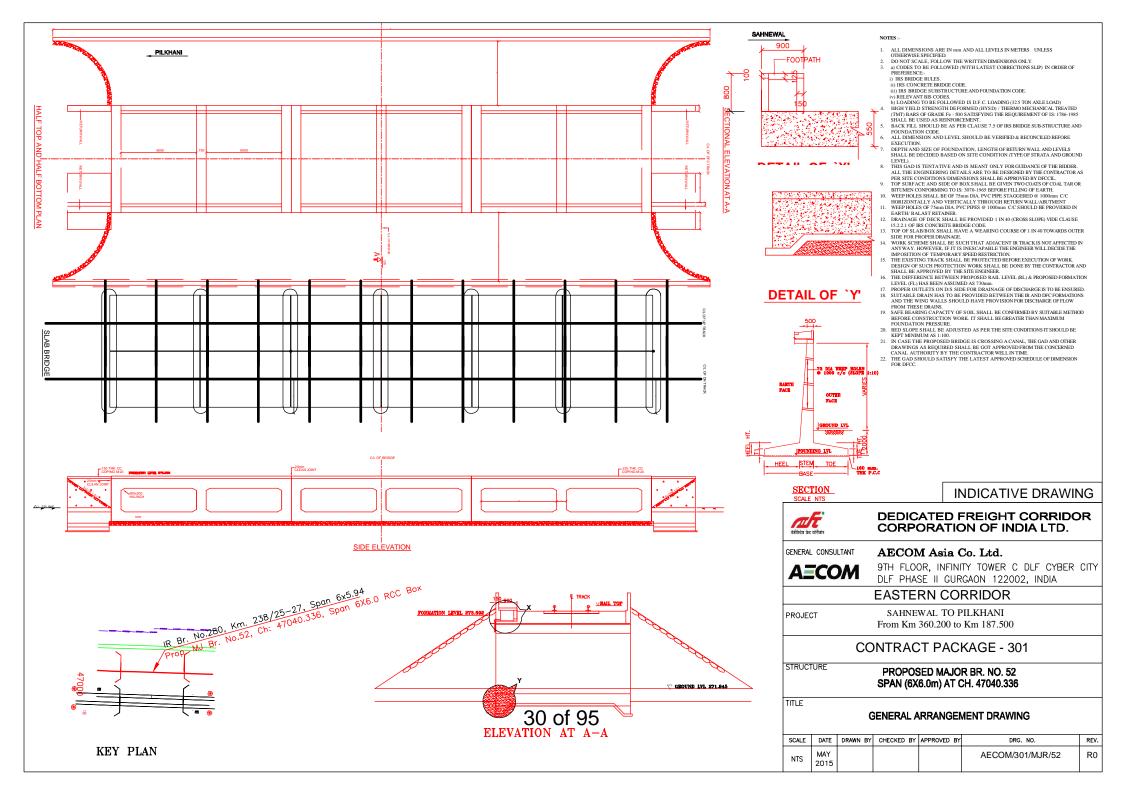
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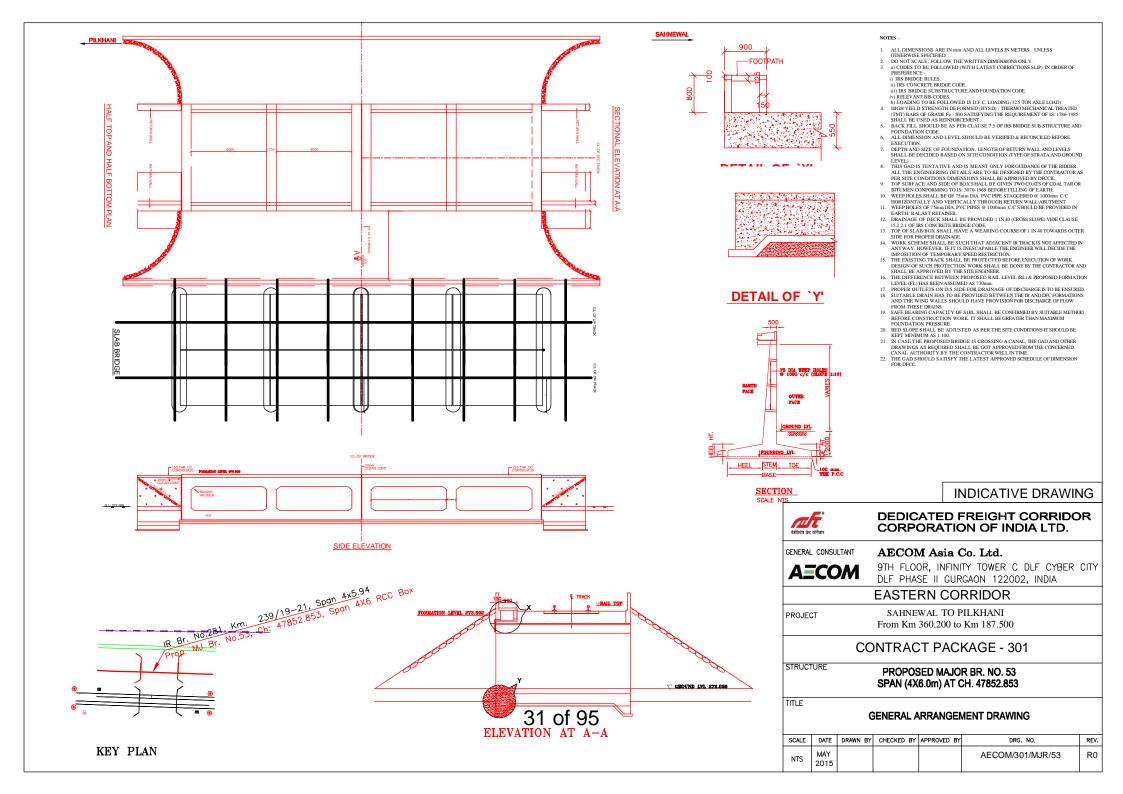
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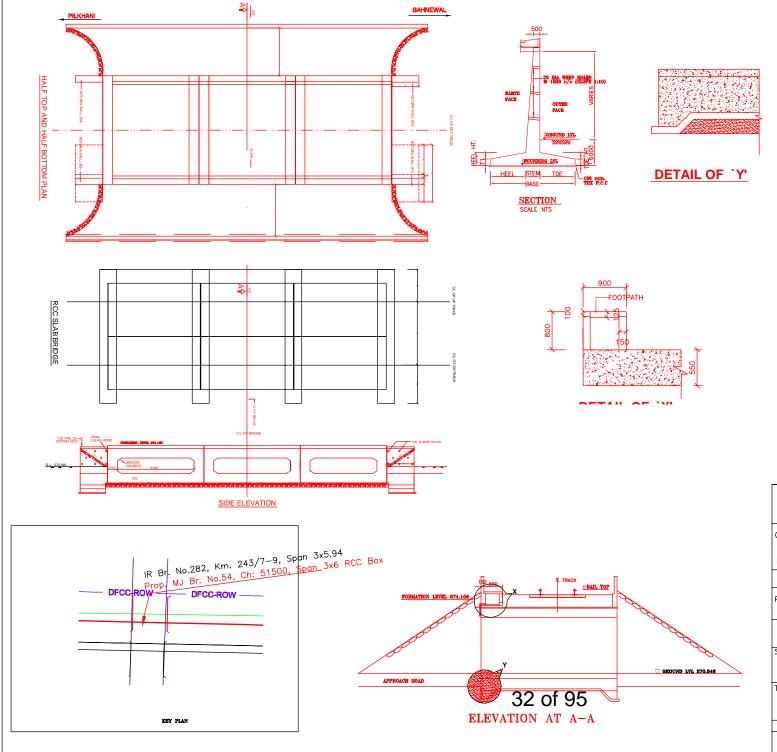
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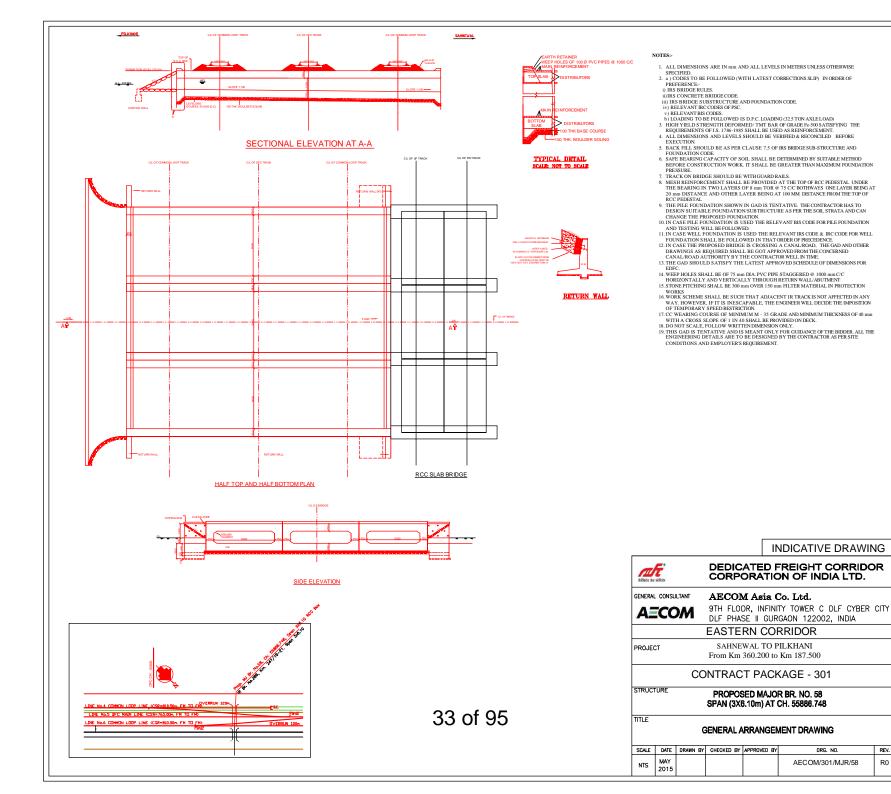


NOTES:

- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
- DO NOT SCALE, FOLLOW THE WRITTEN DIMENSIONS ONLY.
- a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF 3. PREFERENCE:
- i) IRS BRIDGE RULES ii) IRS CONCRETE BRIDGE CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.

- iii) in a brade subject of a new formation code. iv) RELEVANT BIS CODES. b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) HIGH YIELD STRENGTH DEFORMED (HYSD)/THERMO MECHANICAL TREATED (TMT) BARS 4 OF GRADE Fe - 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
- BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE
- ALL DIMENSION AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION.
- DEPTH AND SIZE OF FOUNDATION, LENGTH OF RETURN WALL AND LEVELS SHALL BE DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVEL).
- THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS/DIMENSIONS SHALL BE APPROVED BY DECCIL.
- TOP SURFACE AND SIDE OF BOX SHALL BE GIVEN TWO COATS OF COAL TAR OR BITUMEN CONFORMING TO IS: 3070-1965 BEFORE FILLING OF EARTH.
- 10
- WEEP HOLES SHALL BEOF 75mm DIA. PVC PIPE STAGGERED @ 1000mm CC HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm CC CS HOULD BE PROVIDED IN EARTH/ 11.
- BALAST RETAINER. 12. DRAINAGE OF DECK SHALL BE PROVIDED 1 IN 40 (CROSS SLOPE) VIDE CLAUSE 15.2.2.1 OF IRS CONCRETE BRIDGE CODE.
- TOP OF SLAB/BOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE 13. FOR PROPER DRAINAGE.
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- 15. THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK, DESIGN OF SUCH PROTECTION WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE APPROVED BY THE SITE ENGINEER.
- THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL 16 (FL) HAS BEEN ASSUMED AS 730mm. PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED.
- SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE 18. WING WALLS SHOULD HAVE PROVISION FOR DISCHARGE OF FLOW FROM THESE DRAINS.
- 19. SAFE BEARING CAPACITY OF SOIL SHALL BE CONFIRMED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 20. BED SLOPE SHALL BE ADJUSTED AS PER THE SITE CONDITIONS IT SHOULD BE KEPT MINIMUM AS 1:100.
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- 22. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

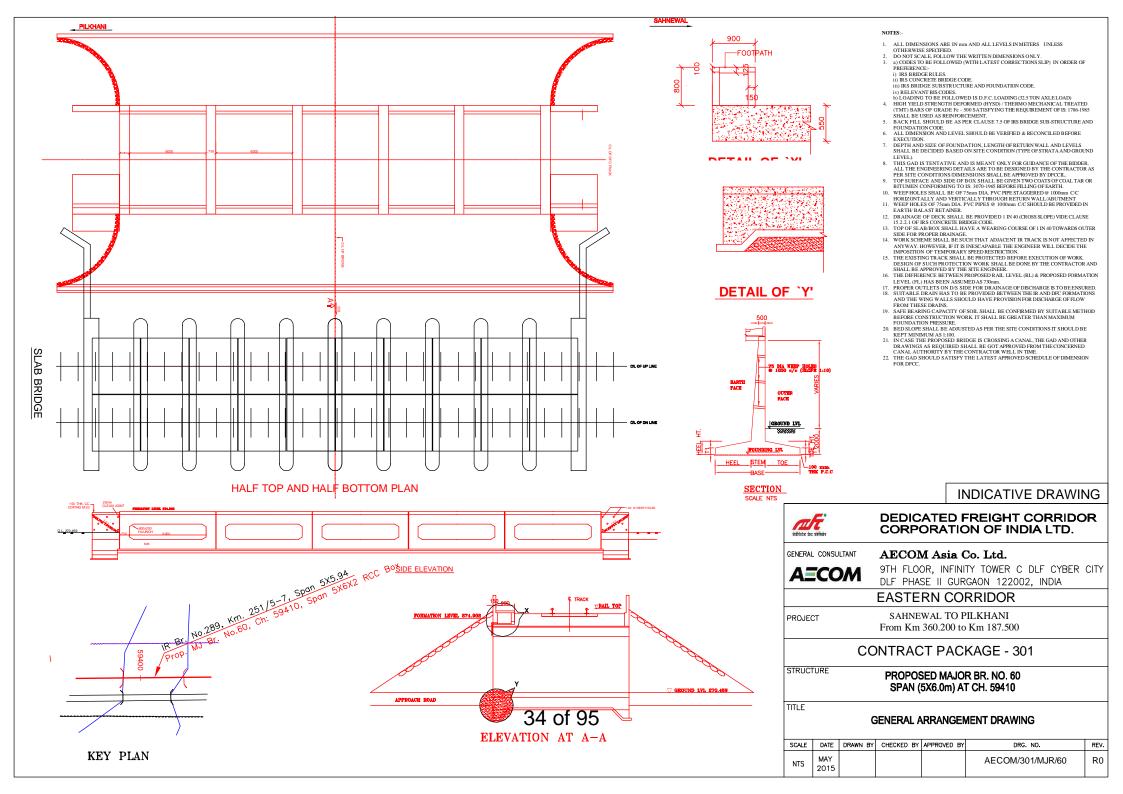
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SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.		
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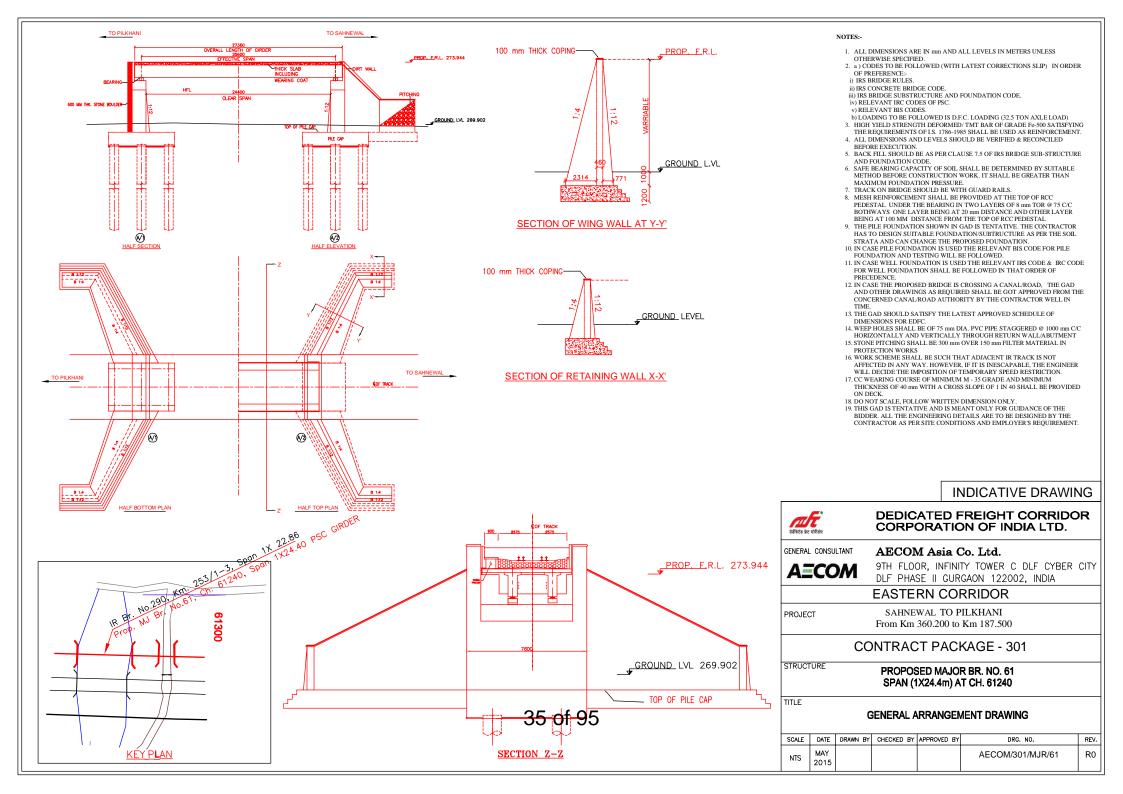


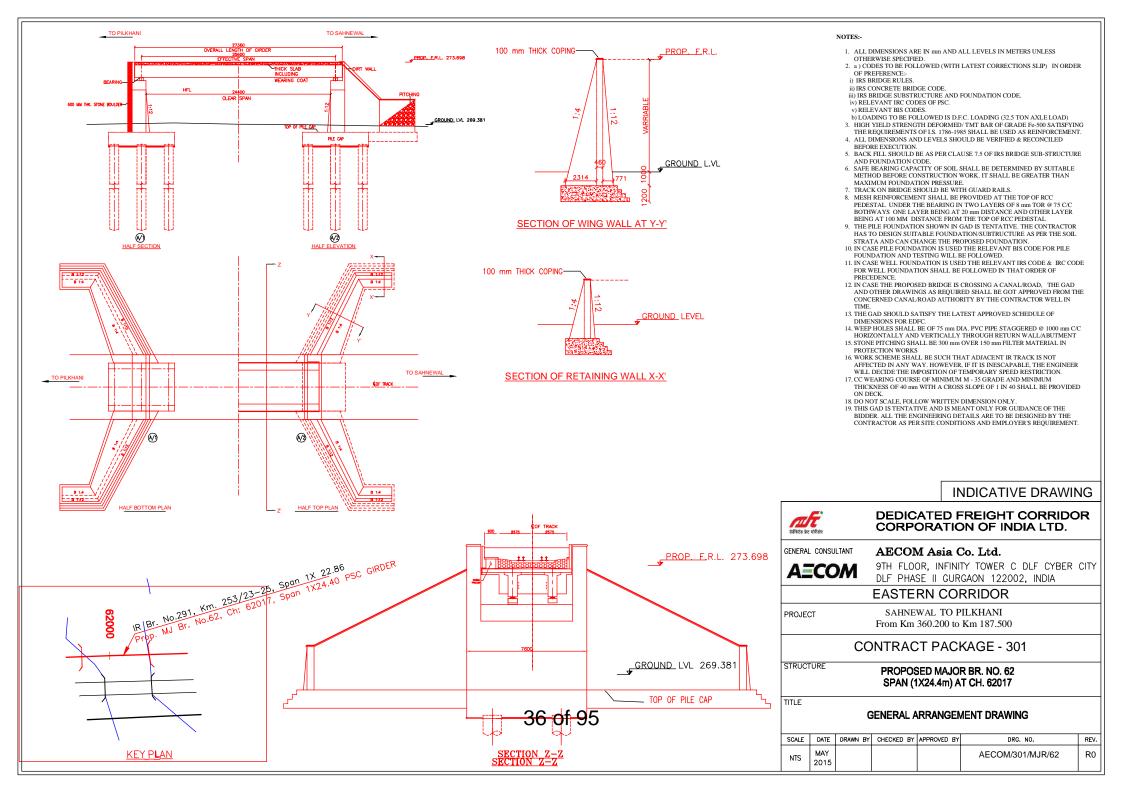
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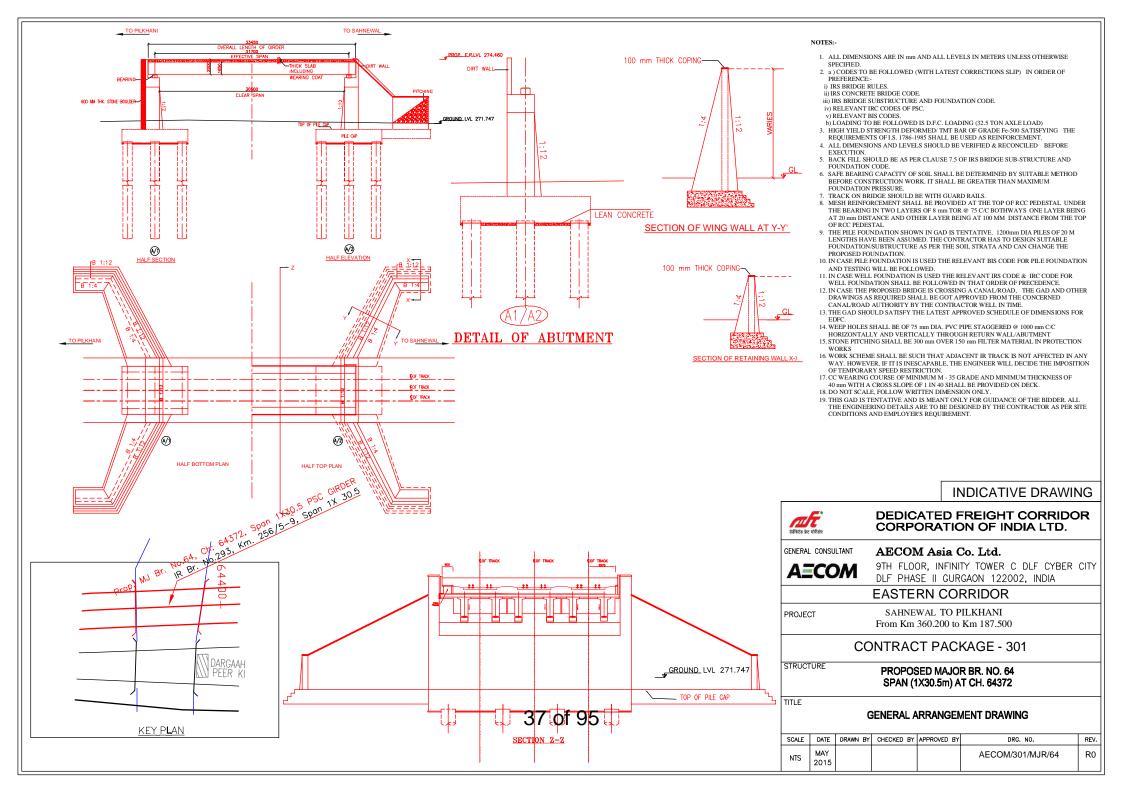
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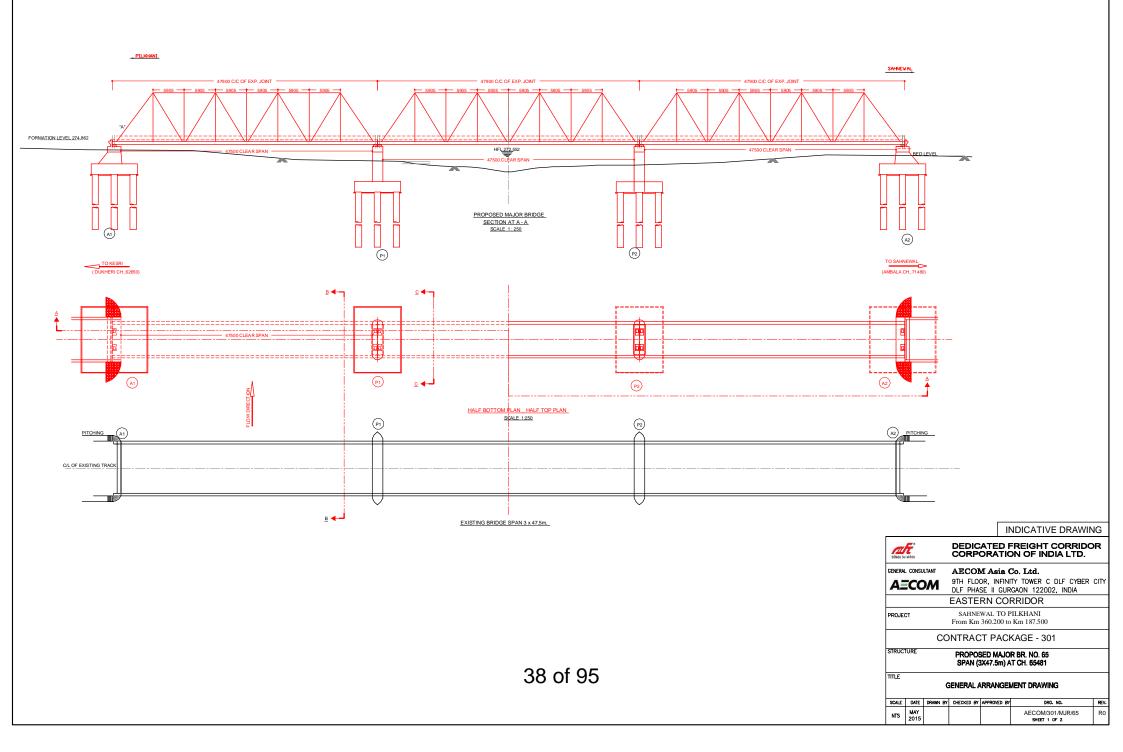
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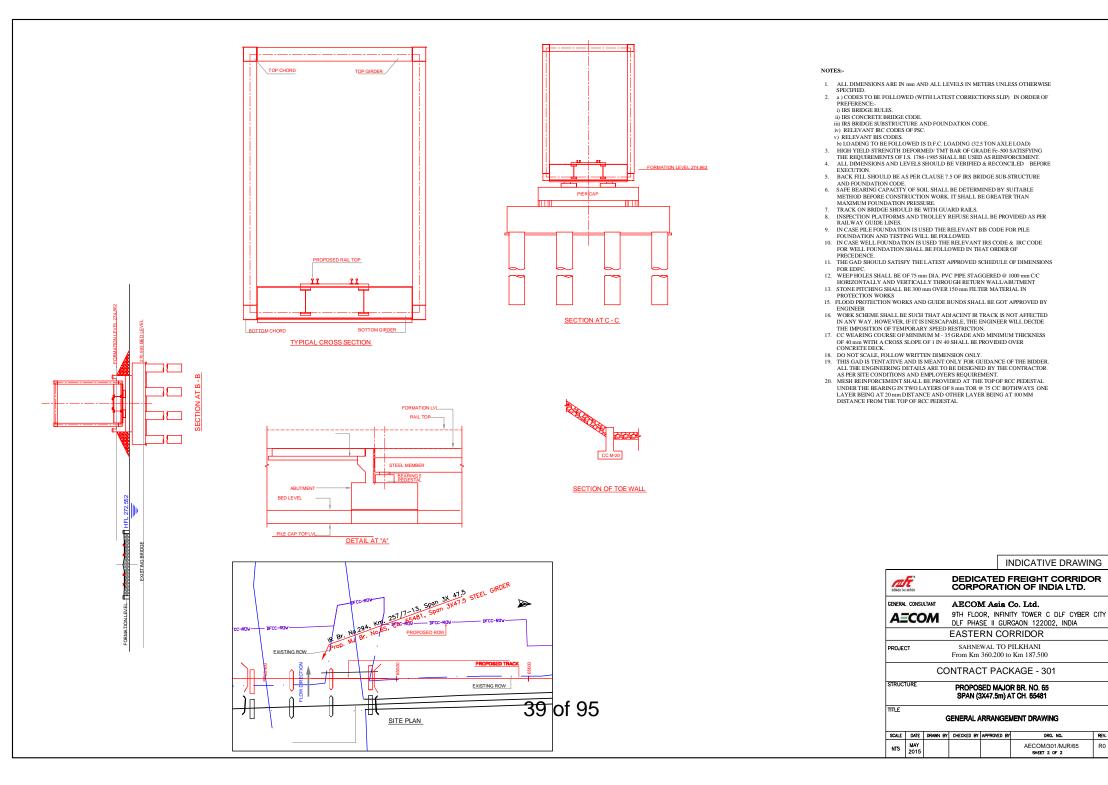


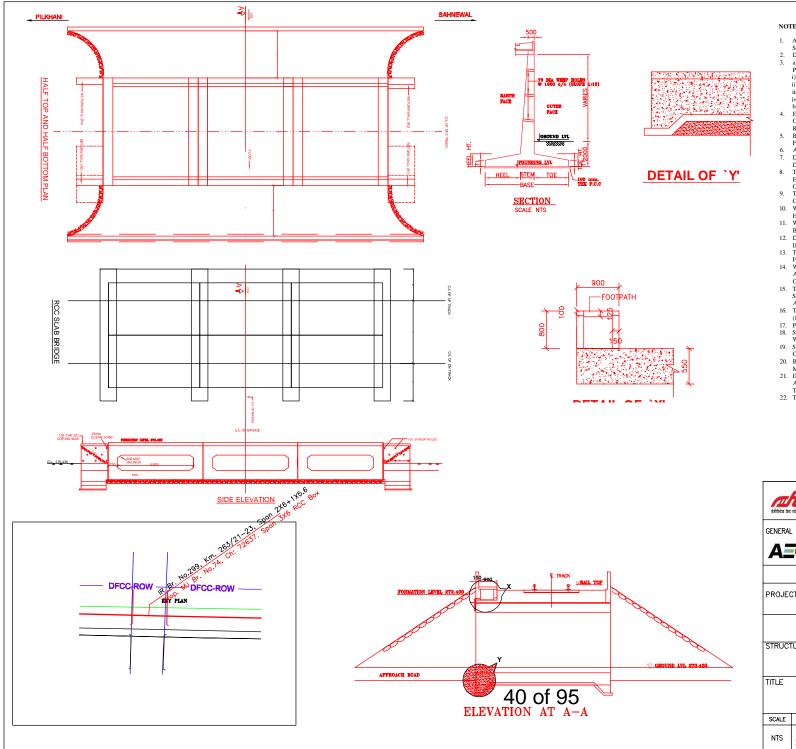












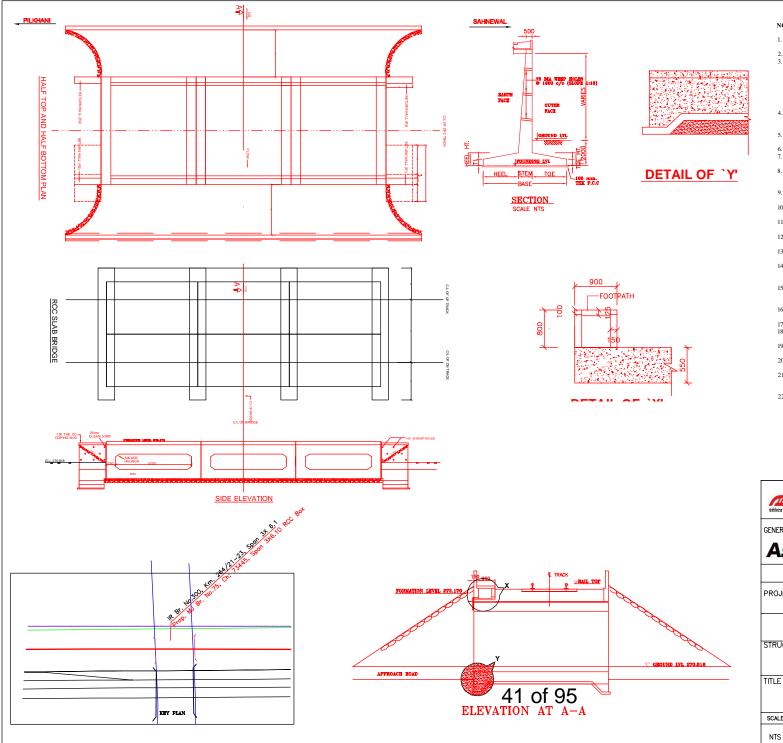
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- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) HIGH YIELD STRENGTH DEFORMED (HYSD) / THERMO MECHANICAL TREATED (TMT) BARS OF GRADE Fe - 500 SATISFYING THE REOUIREMENT OF IS: 1786-1985 SHALL BE USED AS
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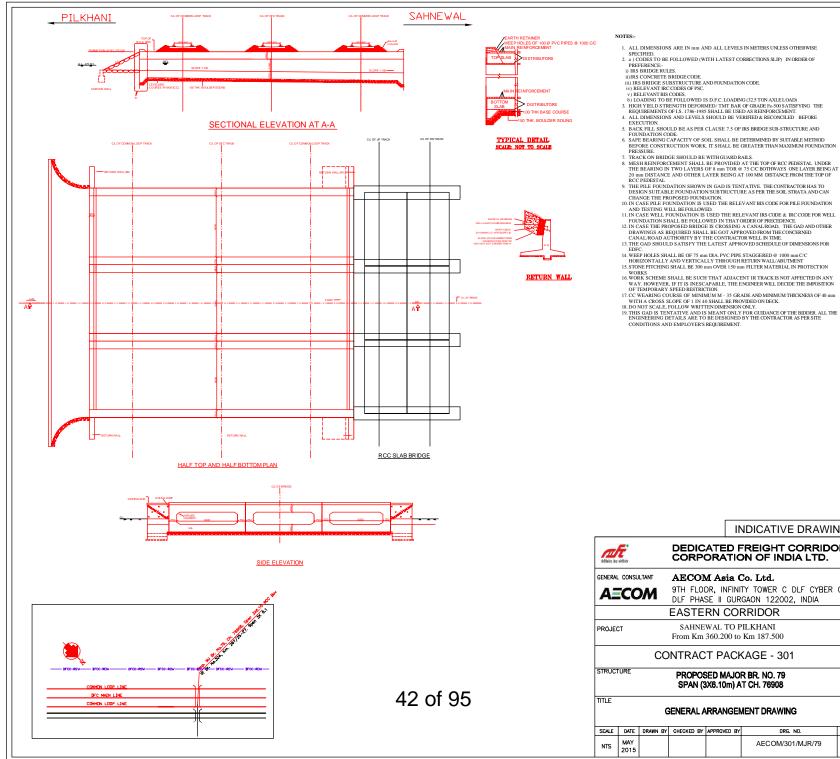
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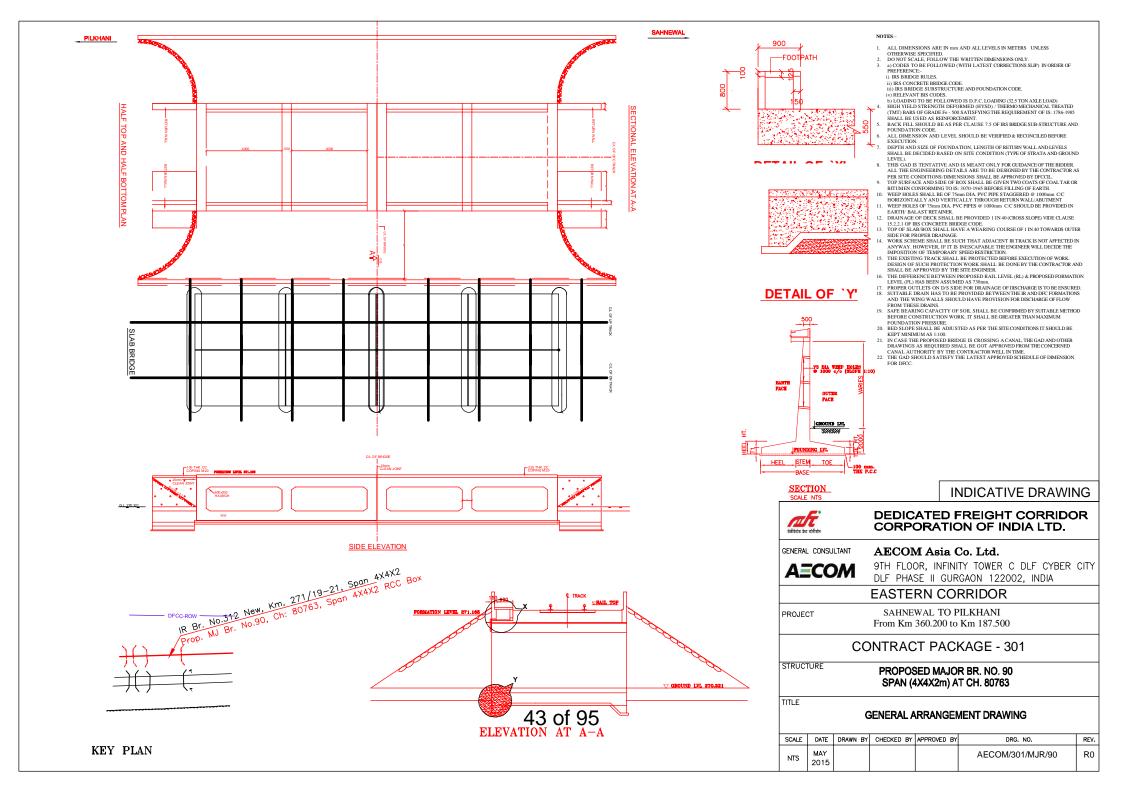
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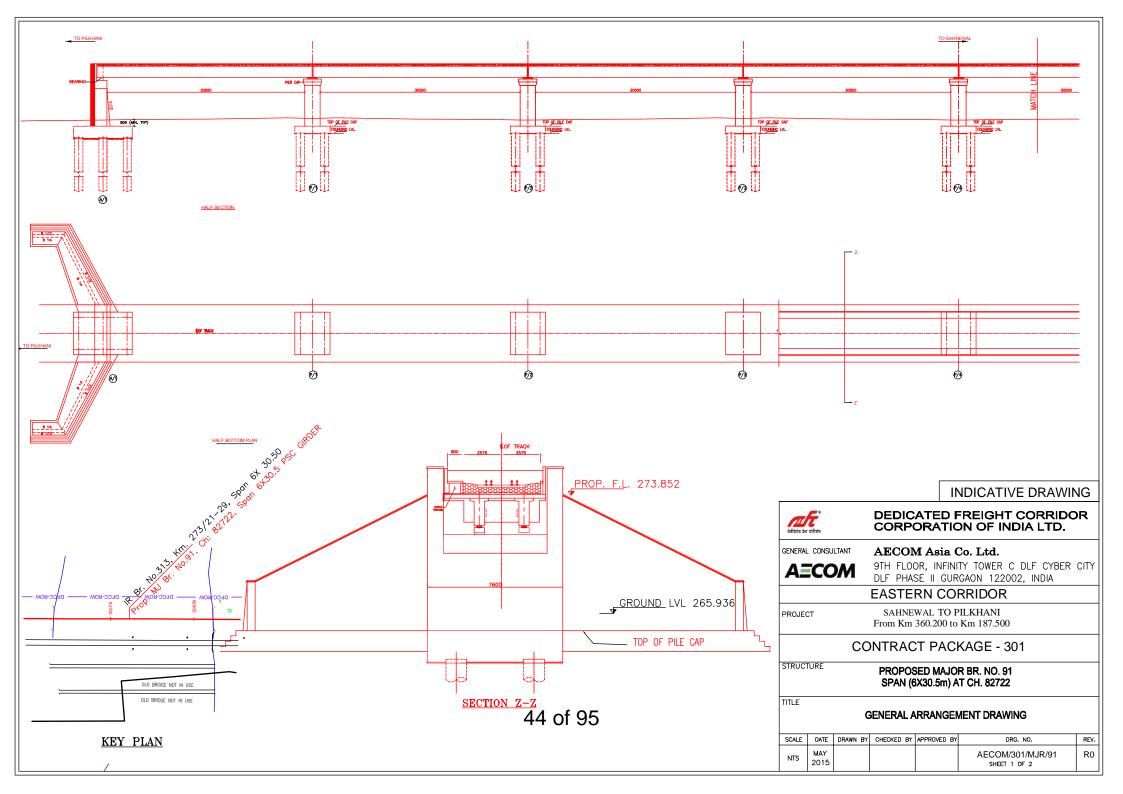
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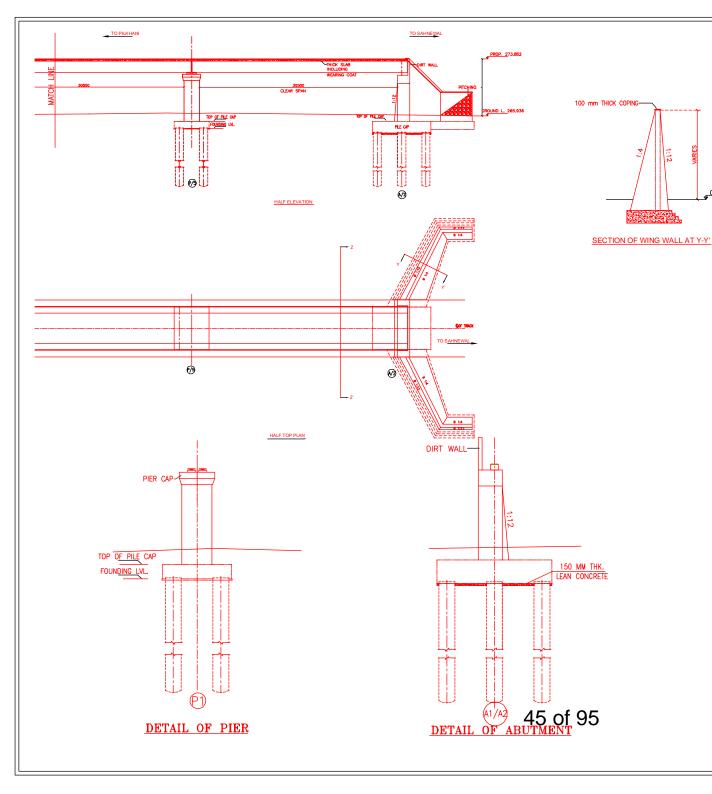


DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOL STRATA AND CAN CHANCE THE REPORPOSE FOUNDATION. 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE FOUNDATION AND TESTING WILL BEFOLIAUWED. 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT BIS CODE & BIC CODE FOR WELL FOUNDATION SHALL BE FOLIAUMED IN THAT ORDER OF PRECEDENCE. 12. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL ROAD. THE GAD AND OTHER DRAWINGS A REQUIRED SHALL BE GOT APPROVED FROM THE CORCEMPTE CANAL ROAD AUTHORITY BY THE CONTRACTOR WELL BY THE CASE THE FOR SHORE SONS FOR 17. IF GAD AUTHORITY BY THE CONTRACTOR WELL OF DIMENSIONS FOR EDPC. 14. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT 15. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN PROTECTION NUMBER WORKS 16. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION. OF TEMPORARY SPEED RISTRICTION. 17. CC WEARING COURSE OF MINIMUM M - 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK. IS DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY. 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUDANCE OF THE BIDDER. ALL THE ENGINEERING DEF TAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PERSITE





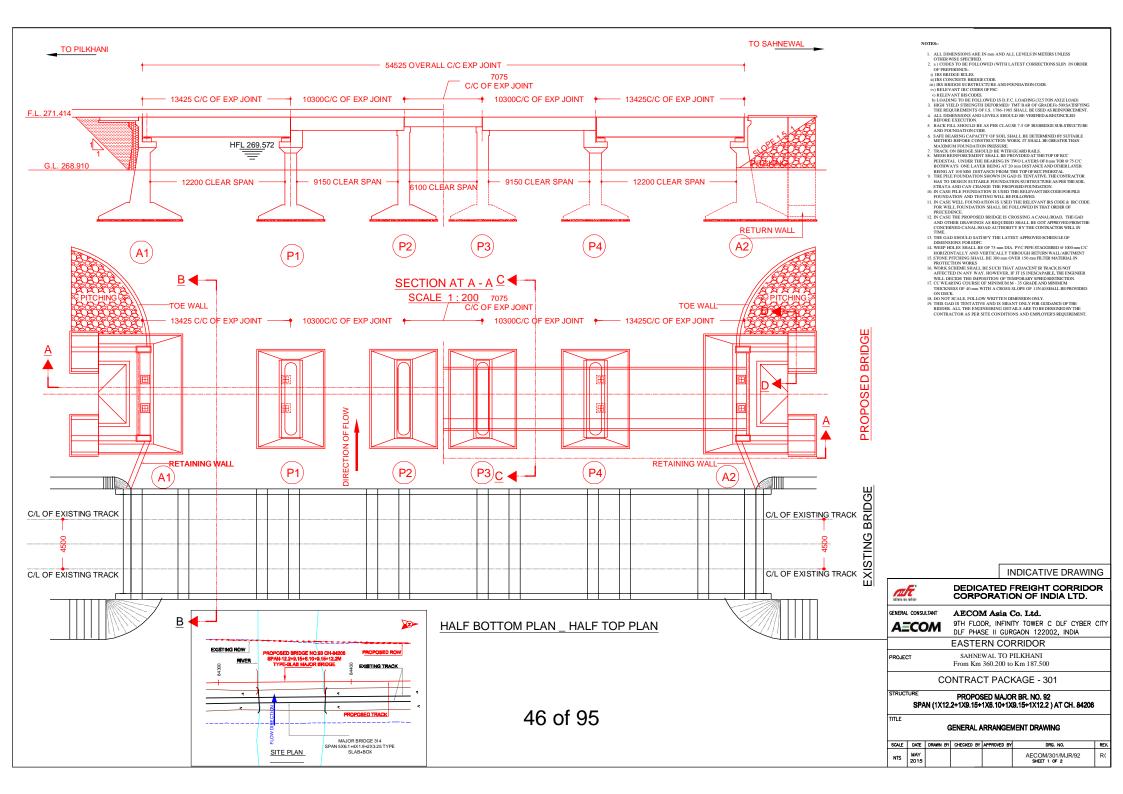


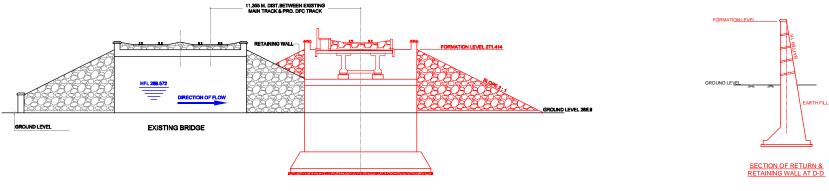


GROUND L.

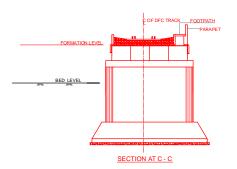
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- 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF PREFERENCE:-
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- ii) IRS CONCRETE BRIDGE CODE. iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
 b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- 3. HIGH YIELD STRENGTH DEFORMED/ TMT BAR OF GRADE Fe-500 SATISFYING THE REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT.
- 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED
- REFORE EXECUTION 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE
- AND FOUNDATION CODE.
- 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- 8. MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
- 9. THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED FOUNDATION.
- 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE FOUNDATION AND TESTING WILL BE FOLLOWED. 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE
- FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE.
- 12. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL/ROAD, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL/ROAD AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 13. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDFC.
- 14. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
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- 17. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK.
- 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY. 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE
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GENERAL CONSULTANT	AECON	I Asia (Co. Ltd.	
AECOM			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY
	EASTE	RN CO	RRIDOR	
PROJECT	0111111	WAL TO P 360.200 to	ILKHANI Km 187.500	
C	ONTRAC	T PACI	KAGE - 301	
STRUCTURE			R BR. NO. 91 T CH. 82722	
TITLE	GENERAL A	RRANGEN	IENT DRAWING	
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NTS MAY 2015			AECOM/301/MJR/91 SHEET 2 OF 2	R0



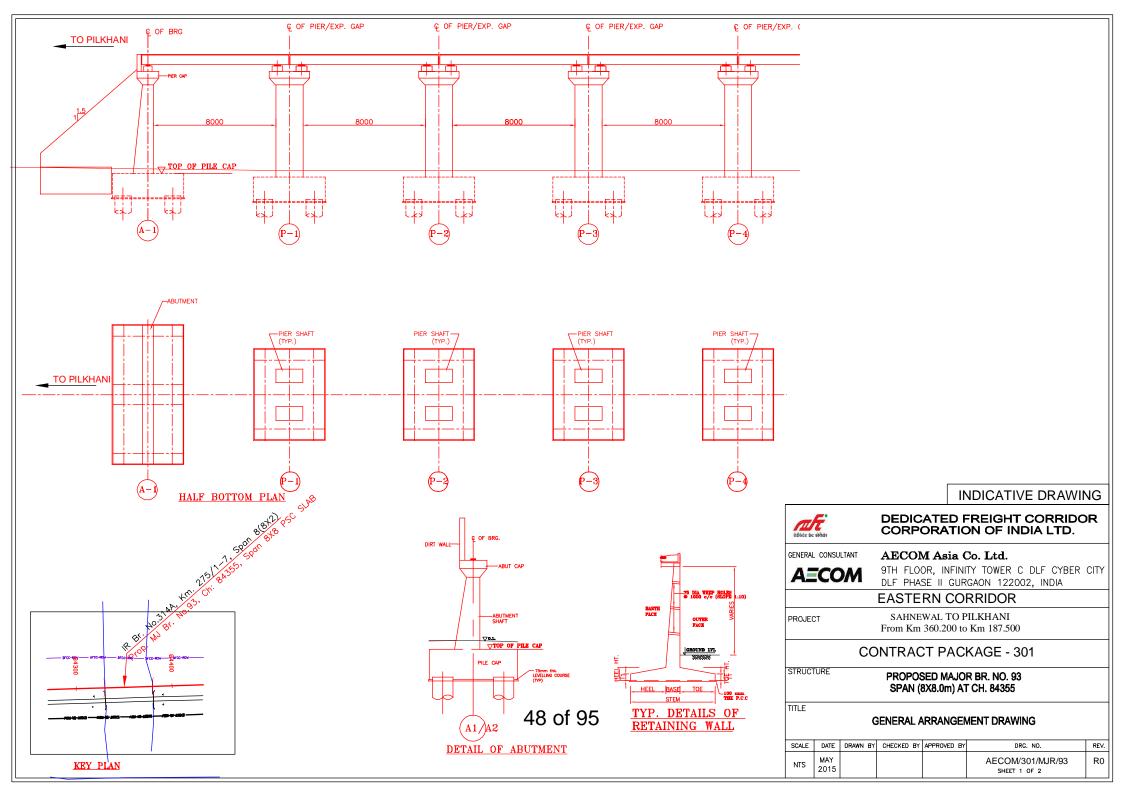


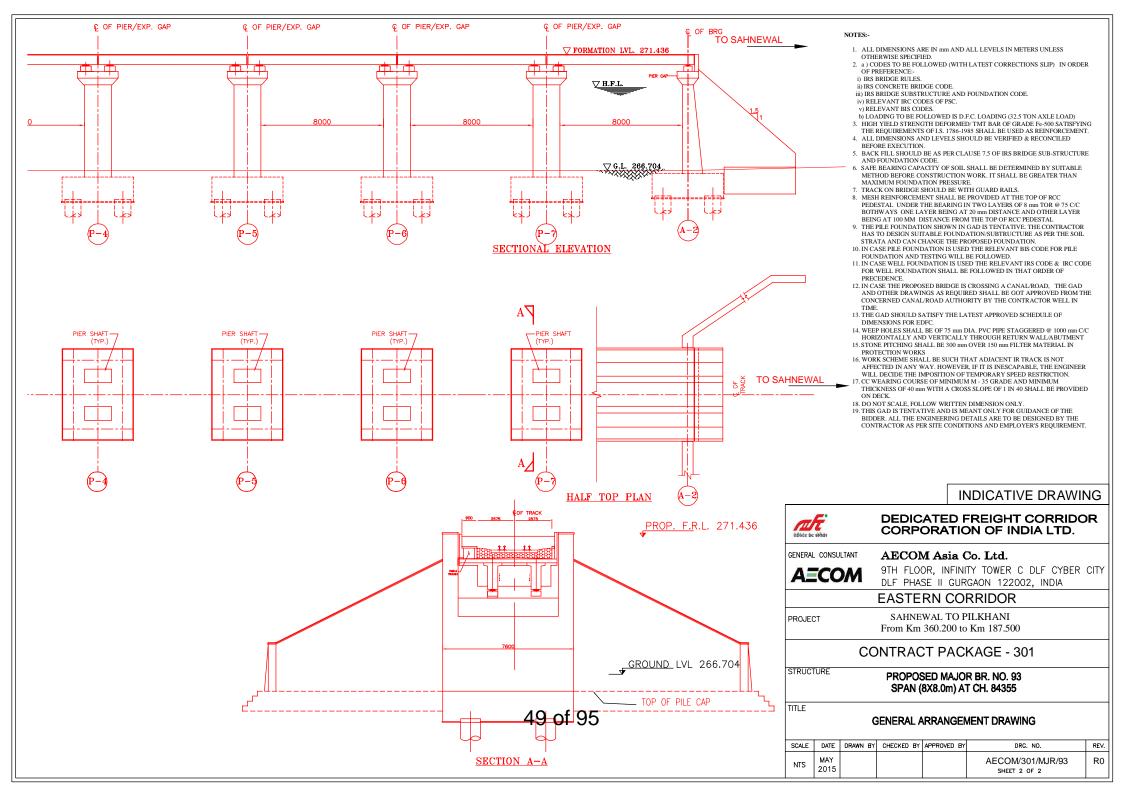


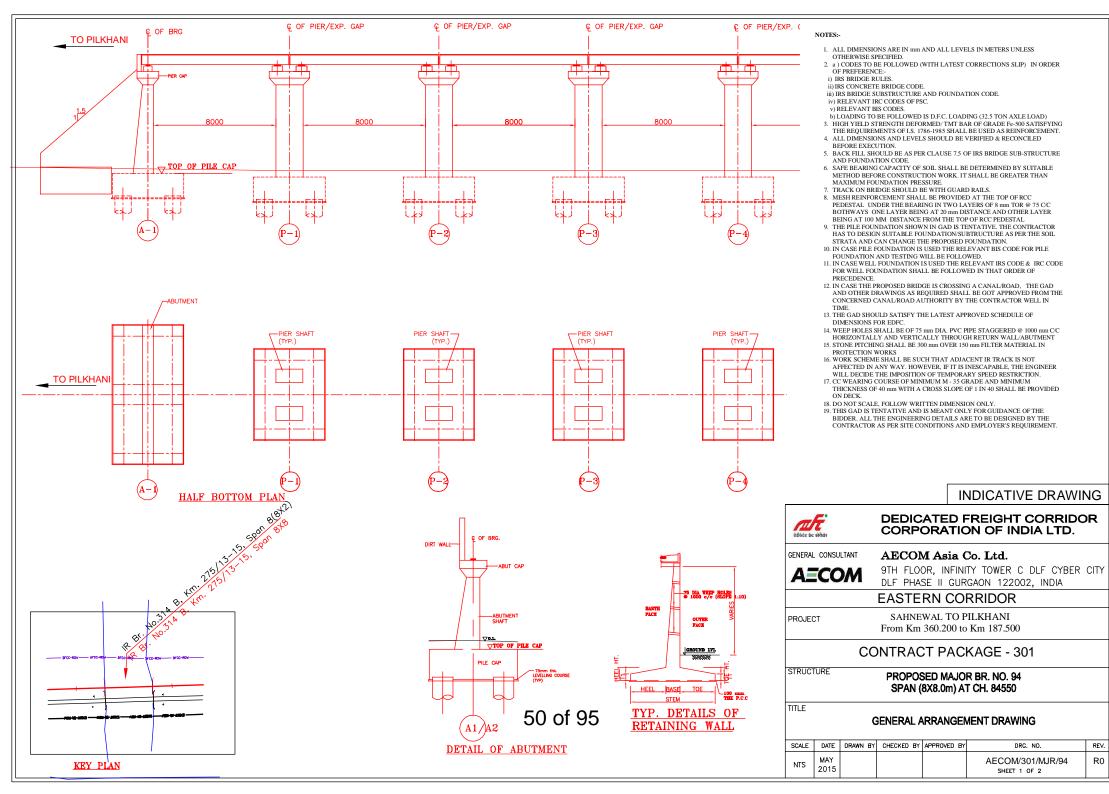


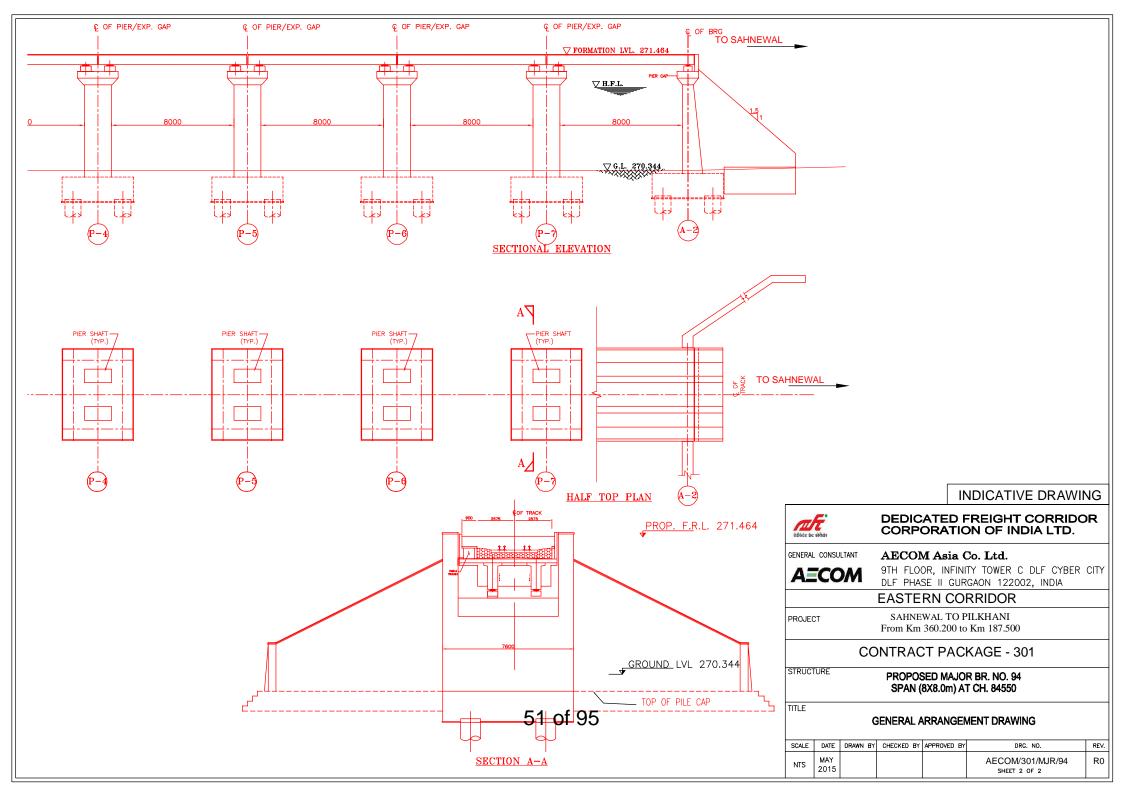


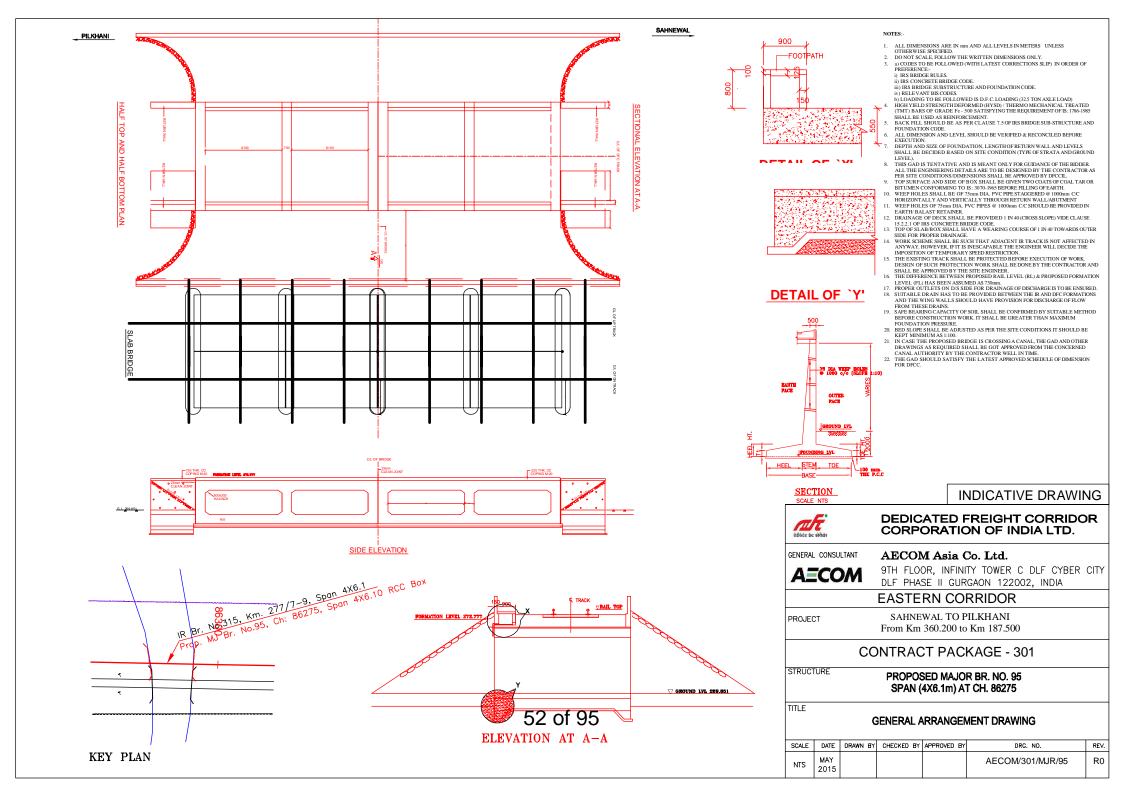


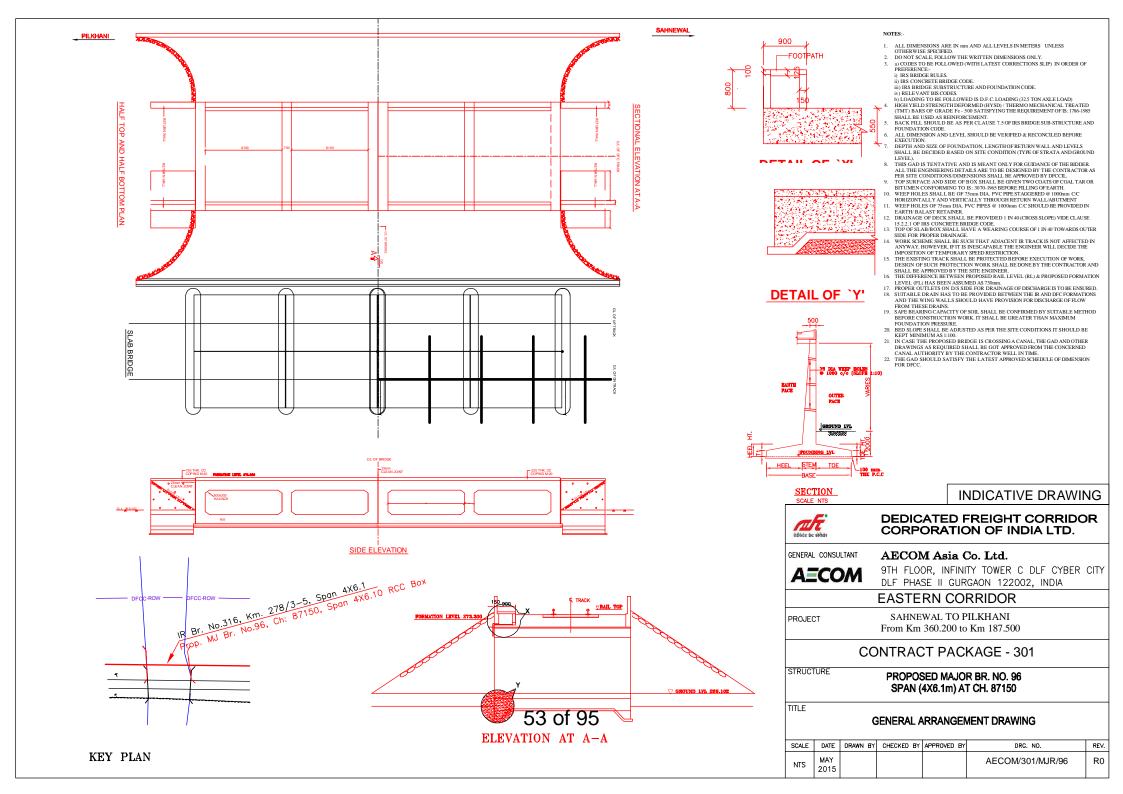


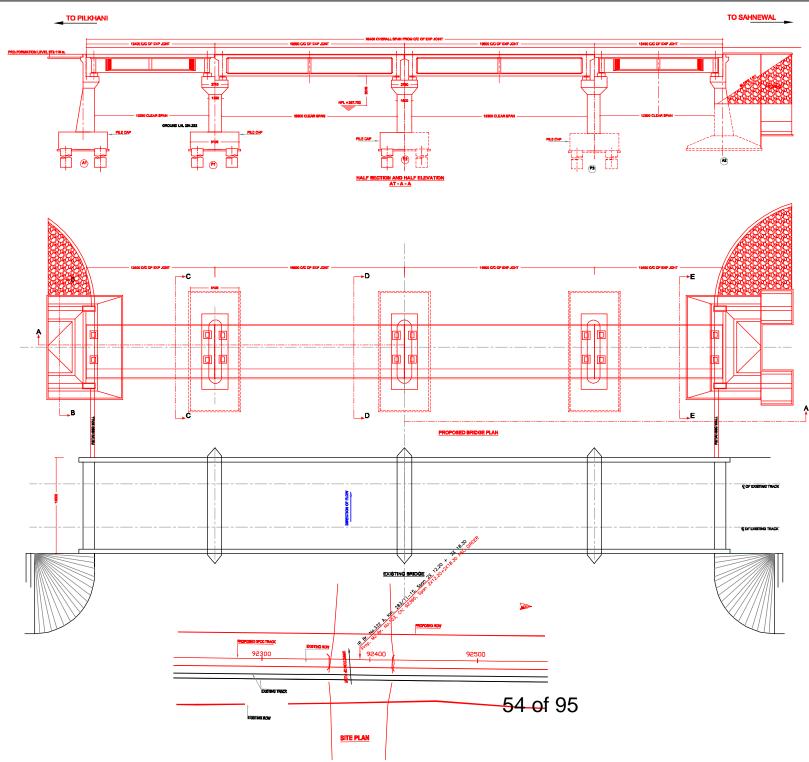








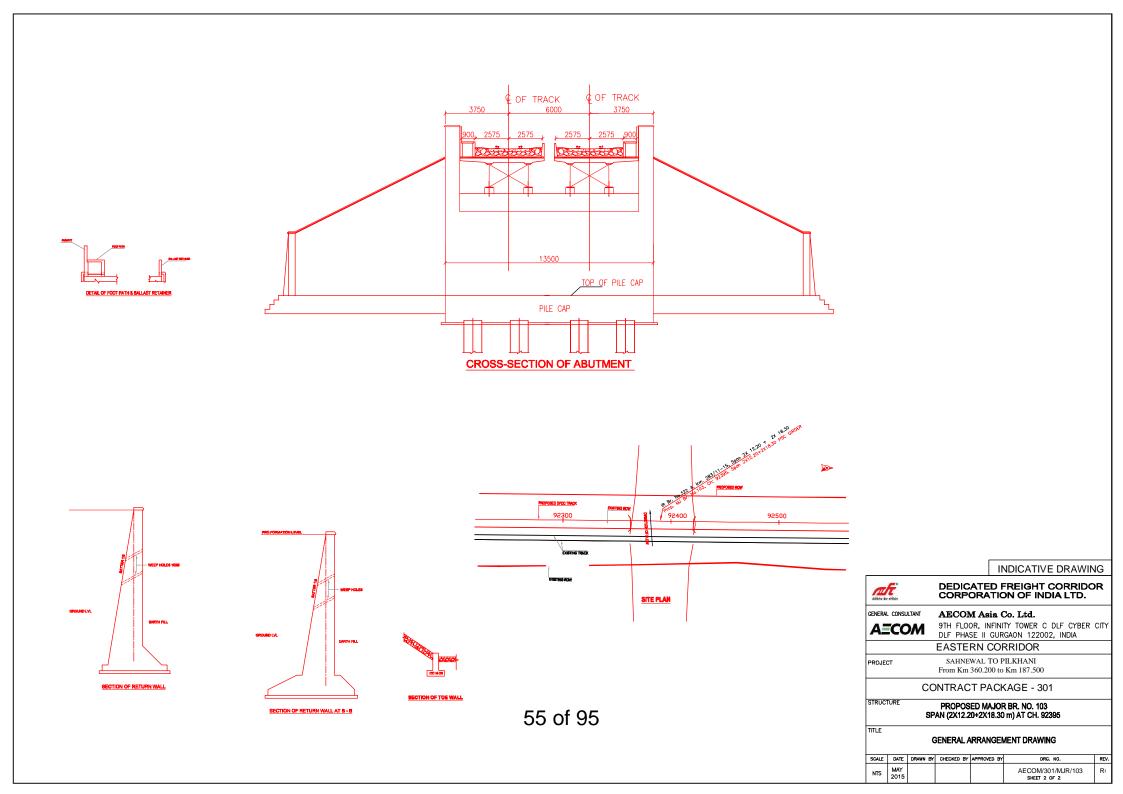


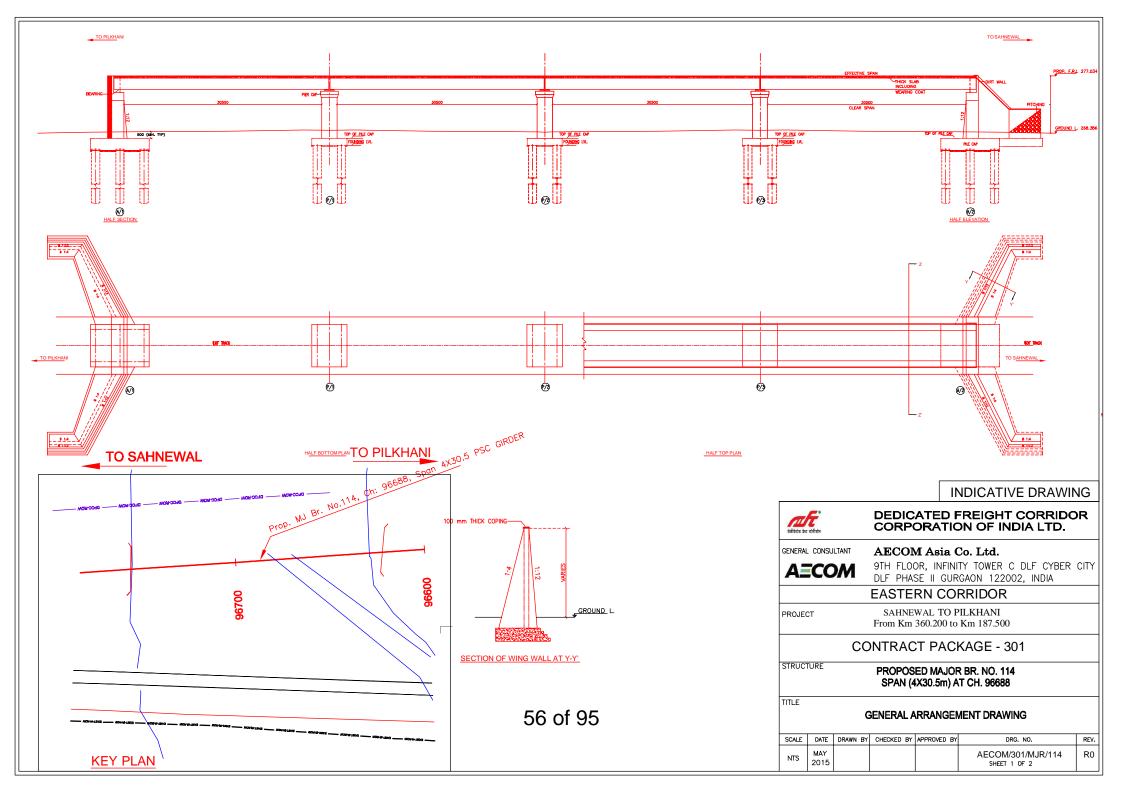


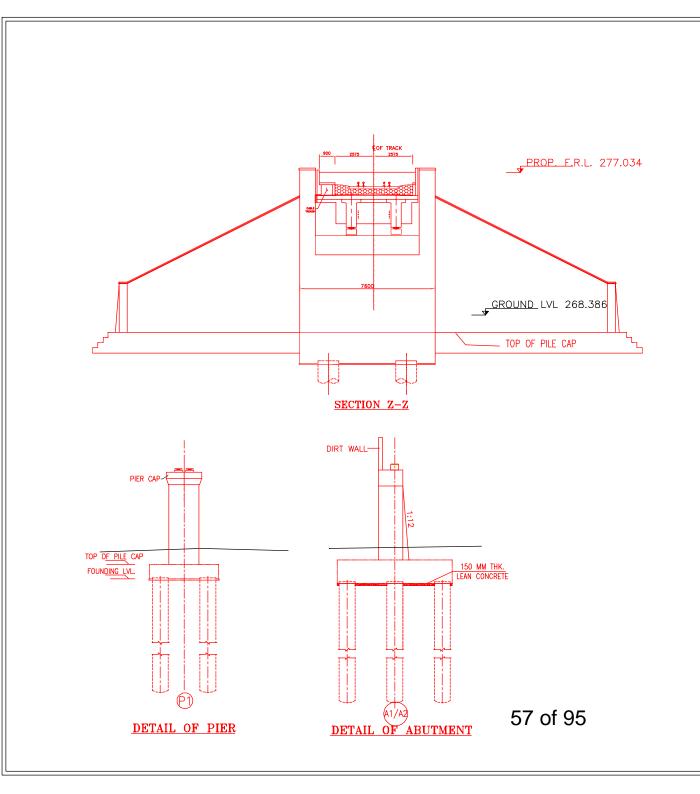
- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED. 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF
- PREFERENCE:-i) IRS BRIDGE RULES.

- ii) IRS CONCRETE BRIDGE CODE. iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) 3. HIGH YIELD STRENGTH DEFORMED/ TMT BAR OF GRADE F6-500 SATISFYING THE REQUIREMENTS OF LS. 1786-1985 SHALL BE USED AS REINFORCEMENT. 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED BEFORE
- EXECUTION. 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND
- FOUNDATION CODE.
- 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- 8. MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
- 9. THE FILE FOUNDATION SHOWN IN GAD IS TENTATIVE. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED FOUNDATION.
- 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE FOUNDATION AND TESTING WILL BE FOLLOWED.
- 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE
- PROGRAMME. 12. IN CASE THE FROPOSED BRIDGE IS CROSSING A CANAL/ROAD, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL/ROAD AUTHORITY BY THE CONTRACTOR WELL IN TIME. 13. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS
- FOR EDFC. 14. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT 15. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN PROTECTION WORKS
- WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 17. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK. 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
- 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT.

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GENERA	. Consl	ILTANT	AECON	Asia (Co. Ltd.		
A	CC	M			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY	
			EASTE	RN CO	RRIDOR		
PROJE	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500						
		CC	NTRAC	TPAC	(AGE - 301		
STRUC	TURE	SP			R BR. NO. 103 m) AT CH. 92395		
GENERAL ARRANGEMENT DRAWING							
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.	
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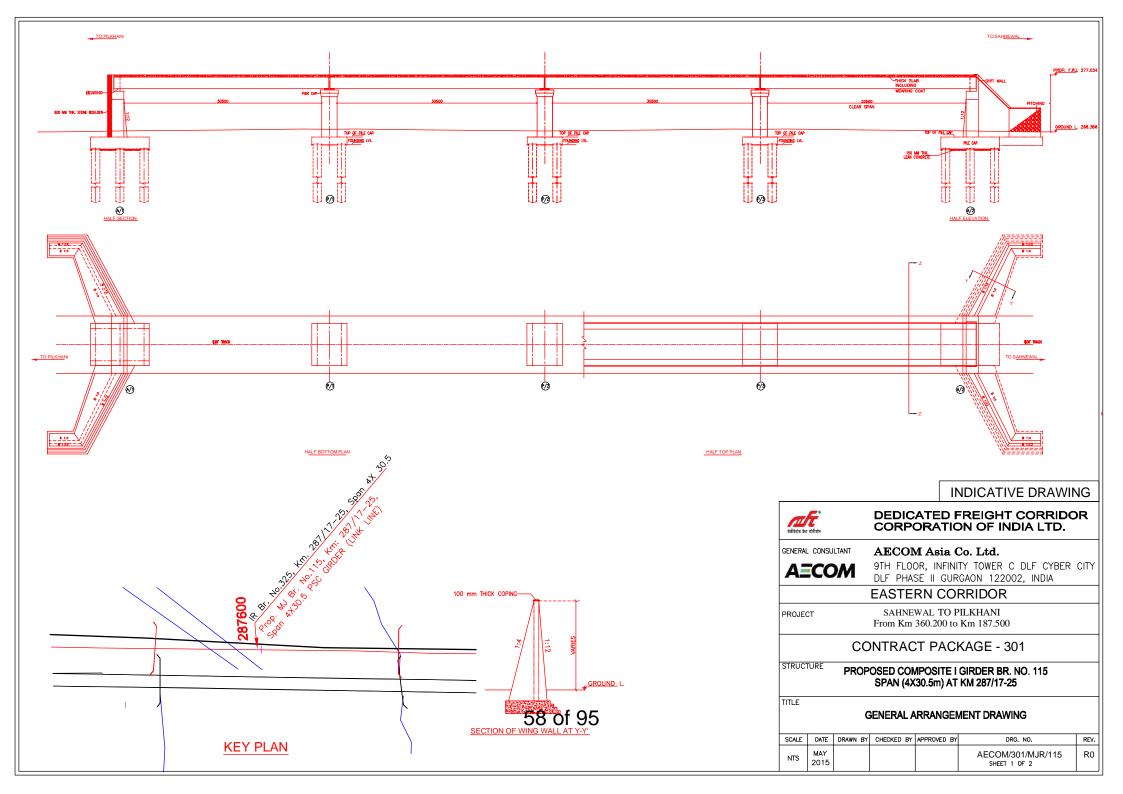


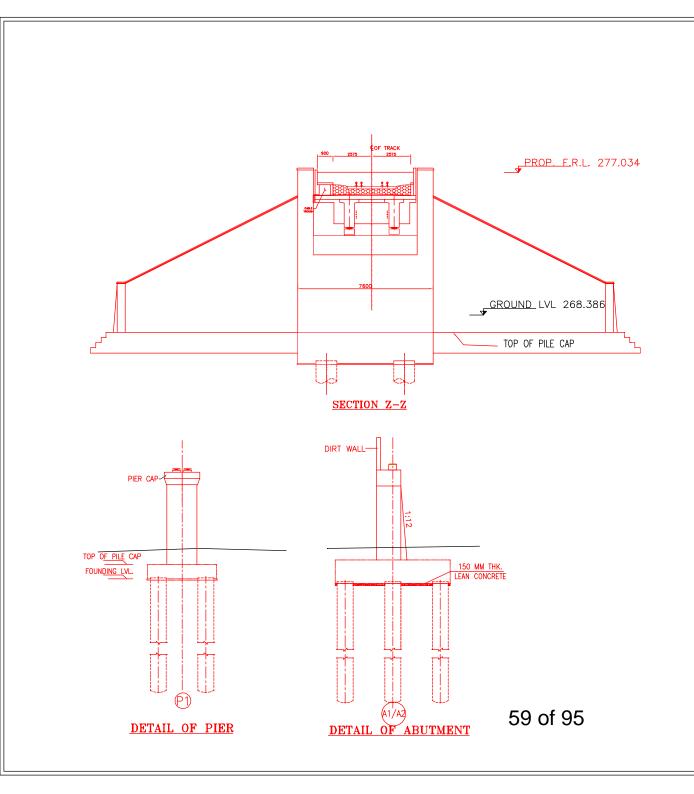




- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
- 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF PREFERENCE:-
- i) IRS BRIDGE RULES
- ii) IRS CONCRETE BRIDGE CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE. iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
 b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- 3. HIGH YIELD STRENGTH DEFORMED/ TMT BAR OF GRADE Fe-500 SATISFYING THE REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT.
- 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED
- REFORE EXECUTION 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE.
- 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- 8. MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
- 9. THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED FOUNDATION.
- 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE FOUNDATION AND TESTING WILL BE FOLLOWED. 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE
- FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE.
- 12. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL/ROAD, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL/ROAD AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 13. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDFC.
- 14. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- 15. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN PROTECTION WORKS
- 16. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 17. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK.
- 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY. 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT.

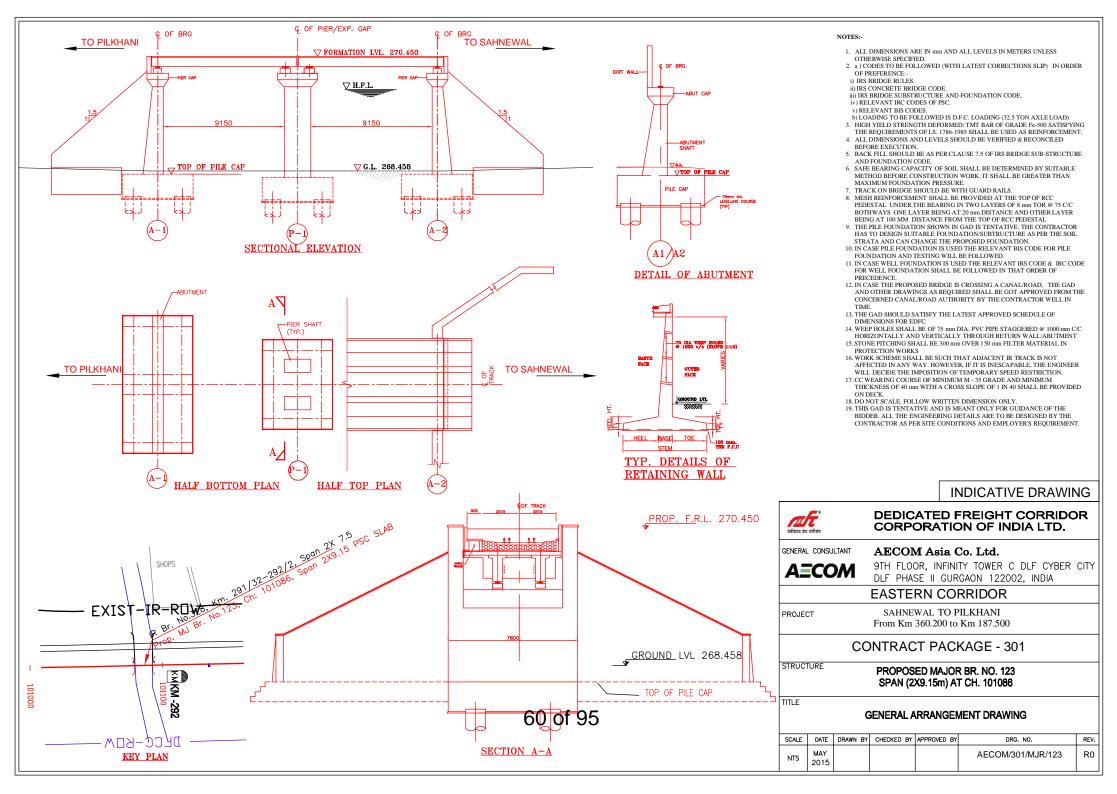
र्डवोक्टेन केट कोरीग्रेर		REIGHT CORRIDO	R
GENERAL CONSULTANT	AECOM Asia	Co. Ltd.	
AECOM	,	TY TOWER C DLF CYBER GAON 122002, INDIA	CITY
	EASTERN CO	RRIDOR	
PROJECT	SAHNEWAL TO F From Km 360.200 to		
CC	NTRACT PAC	KAGE - 301	
STRUCTURE	PROPOSED MAJO SPAN (4X30.5m) A		
TITLE	GENERAL ARRANGE	IENT DRAWING	
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NTS MAY 2015		AECOM/301/MJR/114 SHEET 2 OF 2	R0

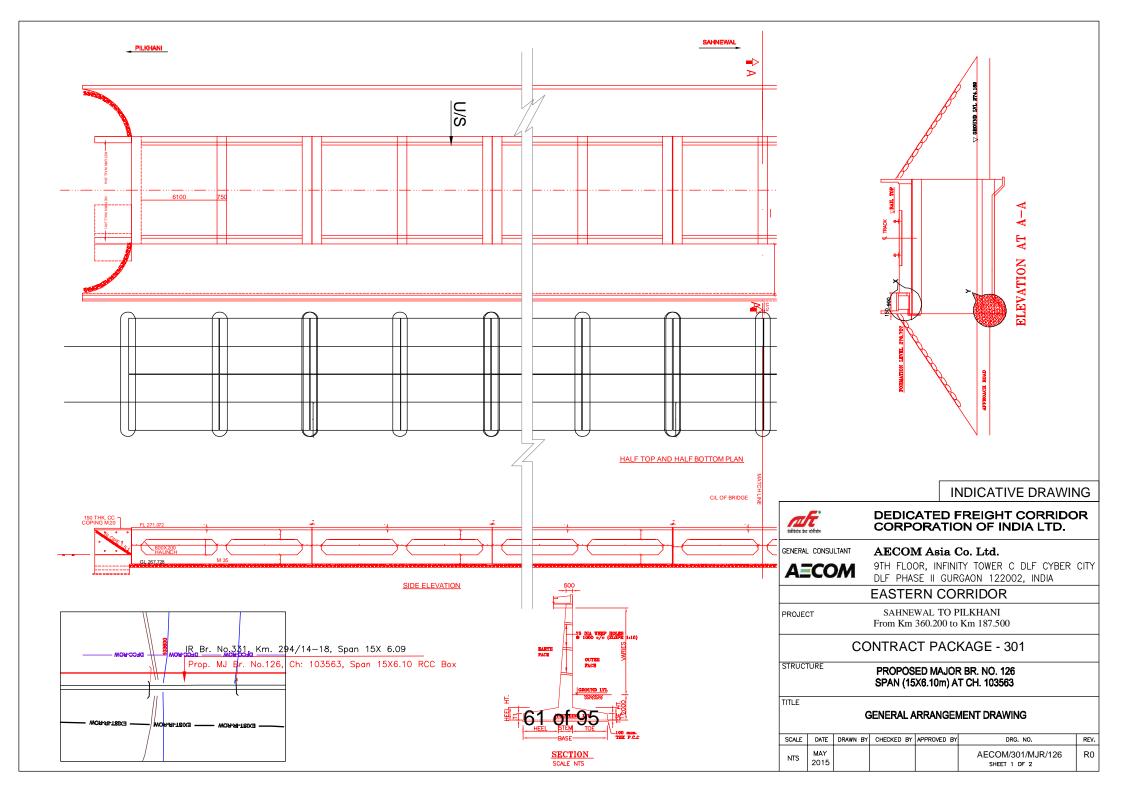


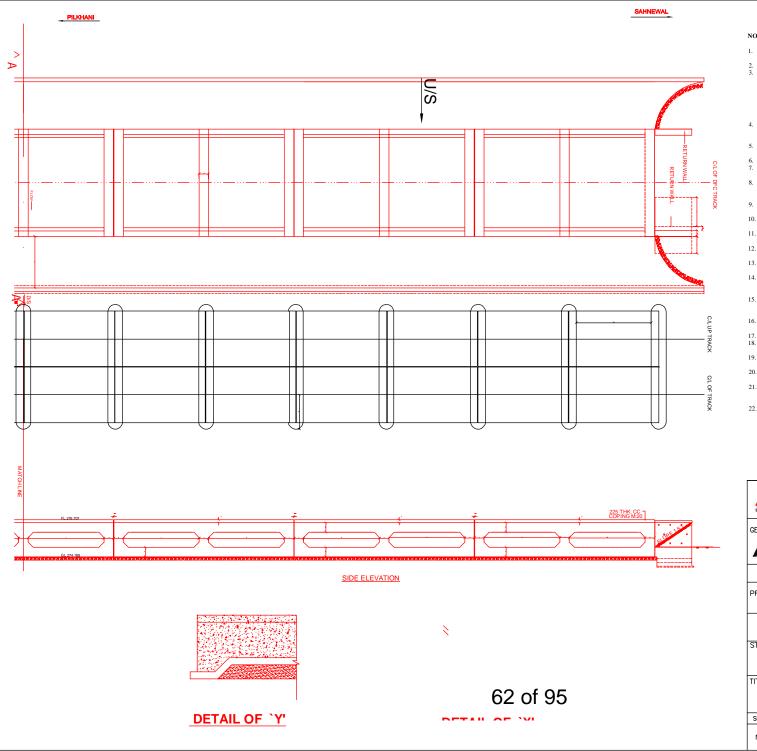


- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
- 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF PREFERENCE:-
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- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE. iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES. b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- 3. HIGH YIELD STRENGTH DEFORMED/ TMT BAR OF GRADE Fe-500 SATISFYING THE REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT.
- 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED
- REFORE EXECUTION 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE
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- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
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- 12. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL/ROAD, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL/ROAD AUTHORITY BY THE CONTRACTOR WELL IN TIME.
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- 16. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 17. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK.
- 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY. 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE
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उंत्रीकेटेव केंद योगिलेंग			REIGHT CORRIDO N OF INDIA LTD.	OR
GENERAL CONSULTANT	AECOM	Asia C	o. Ltd.	
AECOM			Y TOWER C DLF CYBER GAON 122002, INDIA	CITY
	EASTERN	I COF	RRIDOR	
PROJECT	SAHNEWA From Km 360			
(ONTRACT	PAC	(AGE - 301	
STRUCTURE PR			GIRDER BR. NO. 115 KM 287/17-25	
TITLE	GENERAL ARR	ANGEM	IENT DRAWING	
SCALE DATE DRAWN	BY CHECKED BY APP	ROVED BY	DRG. NO.	REV.
NTS MAY 2015			AECOM/301/MJR/115 SHEET 2 OF 2	R0

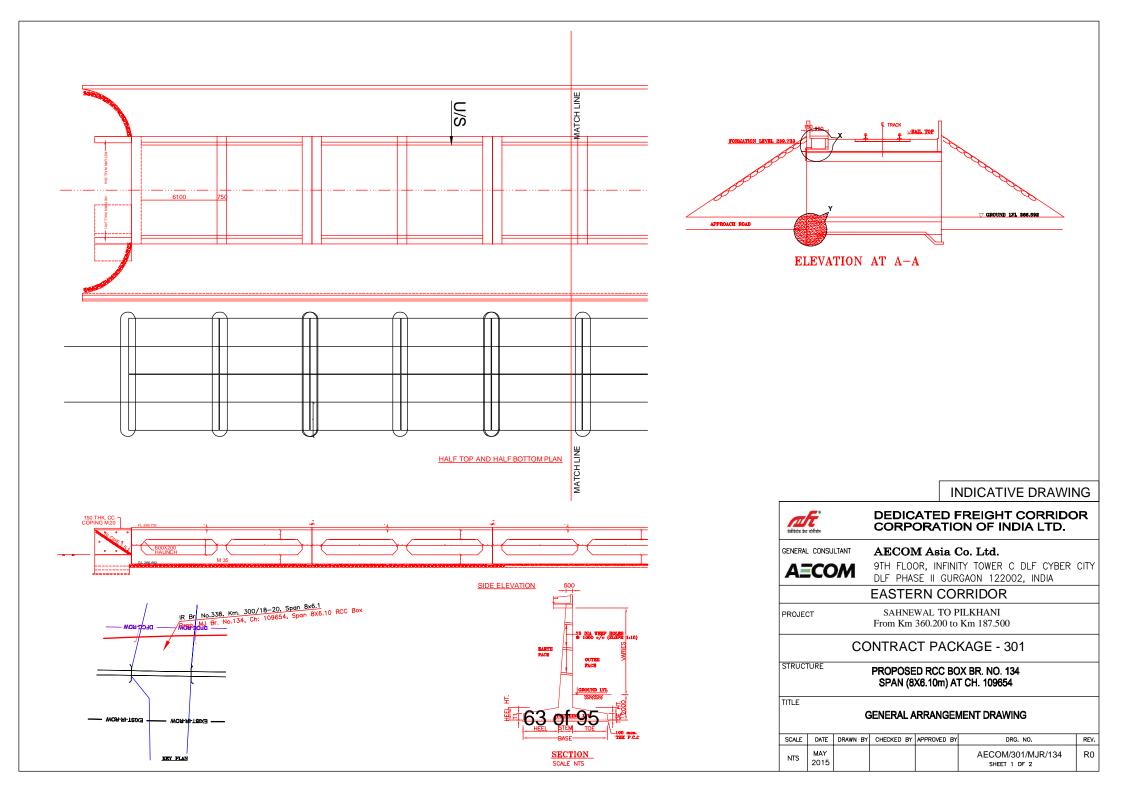


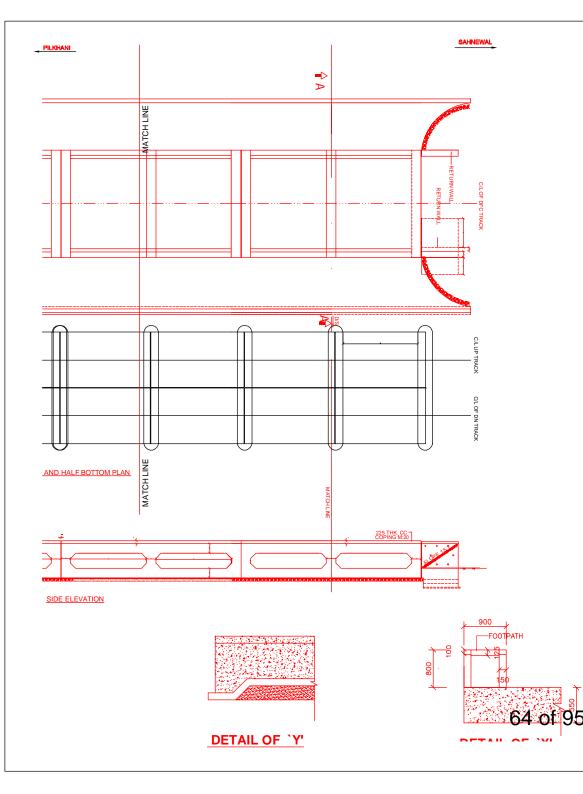




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- iv) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- HIGH YIELD STRENGTH DEFORMED (HYSD) / THERMO MECHANICAL TREATED (TMT) BARS OF GRADE Fe - 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
- BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE. ALL DIMENSION AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION.
- DEPTH AND SIZE OF FOUNDATION, LENGTH OF RETURN WALL AND LEVELS SHALL BE
- DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVEL). THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS/DIMENSIONS SHALL BE APPROVED BY DFCCIL.
- TOP SURFACE AND SIDE OF BOX SHALL BE GIVEN TWO COATS OF COAL TAR OR BITUMEN CONFORMING TO IS: 3070-1965 BEFORE FILLING OF EARTH.
- 10. WEEP HOLES SHALL BE OF 75mm DIA, PVC PIPE STAGGERED @ 1000mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- 11. WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm C/C SHOULD BE PROVIDED IN EARTH/ BALAST RETAINER.
- DRAIN AGE OF DECK SHALL BE PROVIDED 1 IN 40 (CROSS SLOPE) VIDE CLAUSE 15.2.2.1 OF IRS CONCRETE BRIDGE CODE.
- 13. TOP OF SLAB/BOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE FOR PROPER DRAINAGE.
- WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANYWAY. HOWEVER, IF IT IS INESCAPABLE THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 15. THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK. DESIGN OF SUCH PROTECTION WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE APPROVED BY THE SITE ENGINEER
- 16. THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL (FL) HAS BEEN ASSUMED AS 730mm.
- PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED.
 SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE
- WING WALLS SHOULD HAVE PROVISION FOR DISCHARGE OF FLOW FROM THESE DRAINS. 19. SAFE BEARING CAPACITY OF SOIL SHALL BE CONFIRMED BY SUITABLE METHOD BEFORE
- CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE. 20. BED SLOPE SHALL BE ADJUSTED AS PER THE SITE CONDITIONS IT SHOULD BE KEPT MINIMUM AS 1:100.
- 21. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 22. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

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A	CC	M			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY
			EASTE	RN CO	RRIDOR	
PROJEC	ст			WAL TO F 360.200 to	ILKHANI Km 187.500	
		CC	NTRAC	T PAC	KAGE - 301	
STRUCT	TURE				R BR. NO. 126 T CH. 103563	
TITLE		G	SENERAL A	RRANGE	IENT DRAWING	
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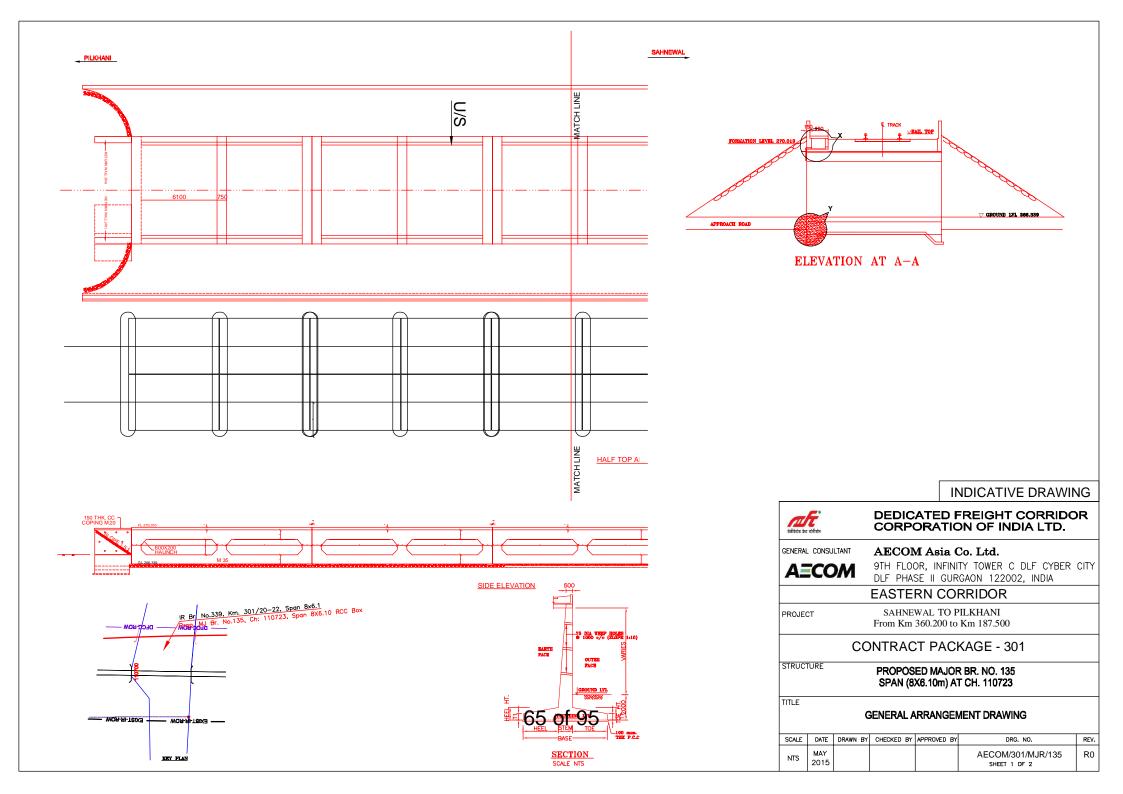


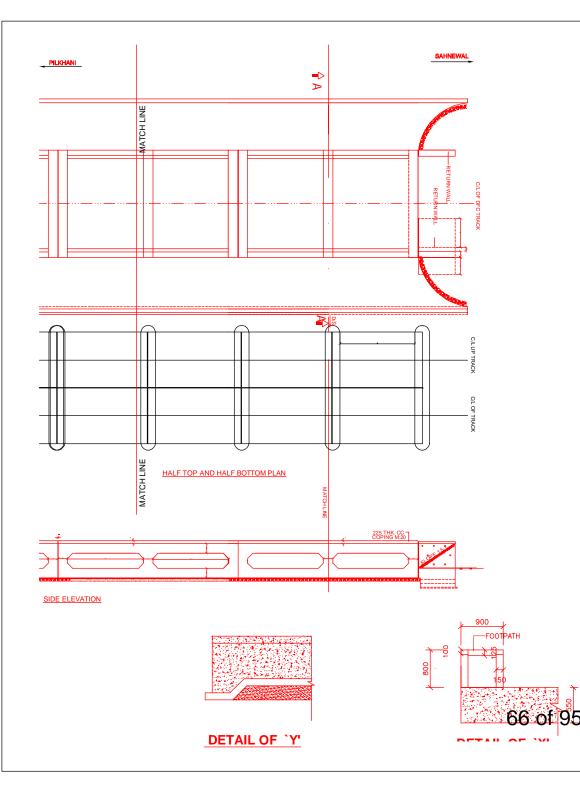
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NOTES:-

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GENERAL	. CONSU	ILTANT	AECO	Asia (Co. Ltd.	
A	CC	M			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY
			EASTE	RN CO	RRIDOR	
PROJEC	ст				PILKHANI Km 187.500	
		CC	NTRAC	T PAC	KAGE - 301	
STRUC	FURE)X BR. NO. 134 T CH. 109654	
TITLE		G	GENERAL A	RRANGE	MENT DRAWING	
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.
NTS	MAY 2015				AECOM/301/MJR/134 SHEET 2 OF 2	R0



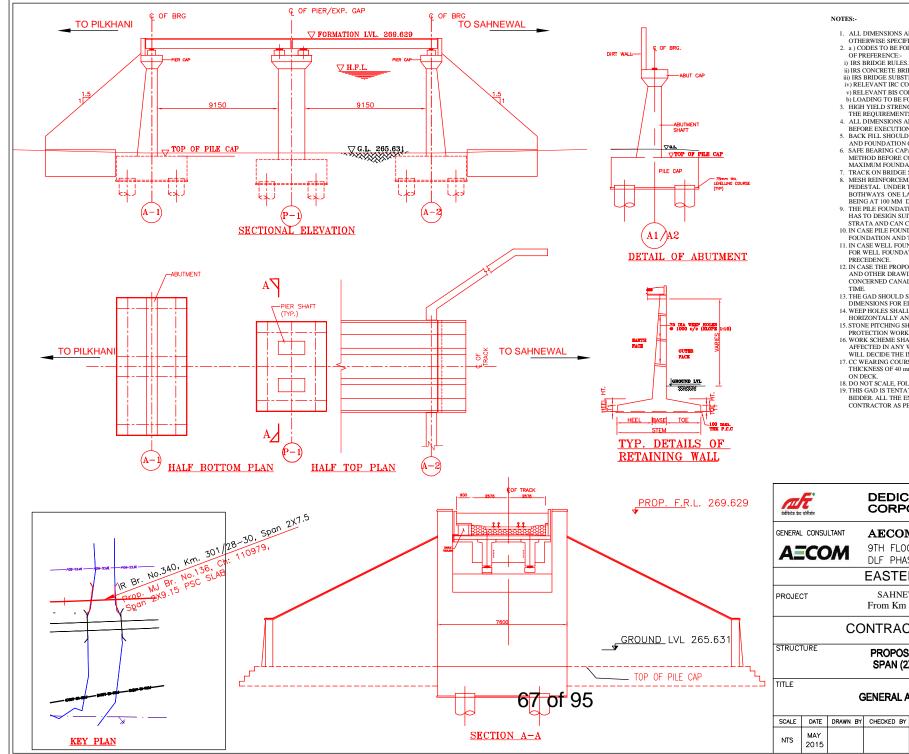


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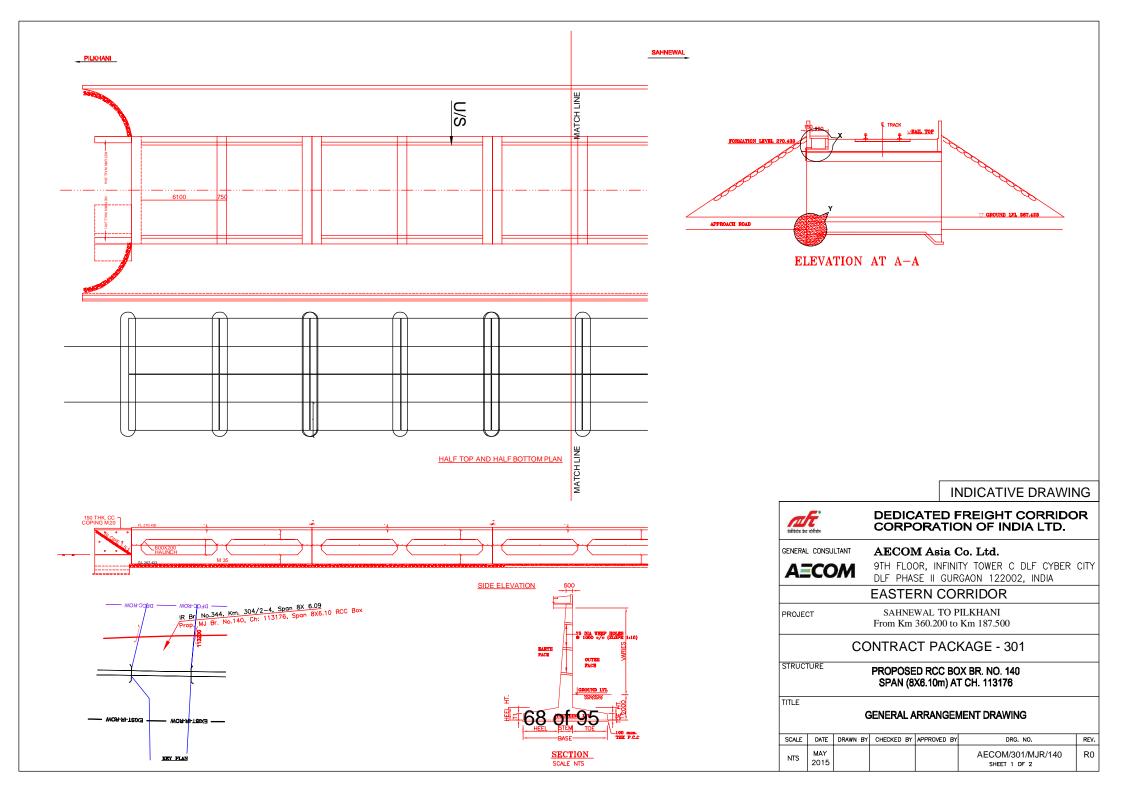
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- ii) IRS CONCRETE BRIDGE CODE. iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) 4. HIGH YIELD STRENGTH DEFORMED (HYSD) / THERMO MECHANICAL TREATED (TMT) BARS
- OF GRADE Fe 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
- BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE. ALL DIMENSION AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION. 6
- DEPTH AND SIZE OF FOUNDATION, LENGTH OF RETURN WALL AND LEVELS SHALL BE
- DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVEL). 8 THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS/DIMENSIONS SHALL BE APPROVED BY DECCIL.
- TOP SURFACE AND SIDE OF BOX SHALL BE GIVEN TWO COATS OF COAL TAR OR BITUMEN CONFORMING TO IS: 3070-1965 BEFORE FILLING OF EARTH.
- 10. WEEP HOLES SHALL BE OF 75mm DIA, PVC PIPE STAGGERED @ 1000mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- 11. WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm C/C SHOULD BE PROVIDED IN EARTH/ BALAST RETAINER.
- DRAIN AGE OF DECK SHALL BE PROVIDED 1 IN 40 (CROSS SLOPE) VIDE CLAUSE 15.2.2.1 OF IRS CONCRETE BRIDGE CODE.
- 13. TOP OF SLAB/BOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE FOR PROPER DRAINAGE.
- 14. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANYWAY. HOWEVER, IF IT IS INESCAPABLE THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION
- 15. THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK. DESIGN OF SUCH PROTECTION WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE APPROVED BY THE SITE ENGINEER
- 16. THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL (FL) HAS BEEN ASSUMED AS 730mm.
- PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED.
 SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE
- WING WALLS SHOULD HAVE PROVISION FOR DISCHARGE OF FLOW FROM THESE DRAINS. 19. SAFE BEARING CAPACITY OF SOIL SHALL BE CONFIRMED BY SUITABLE METHOD BEFORE
- CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE. 20. BED SLOPE SHALL BE ADJUSTED AS PER THE SITE CONDITIONS IT SHOULD BE KEPT MINIMUM AS 1:100.
- 21. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 22. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

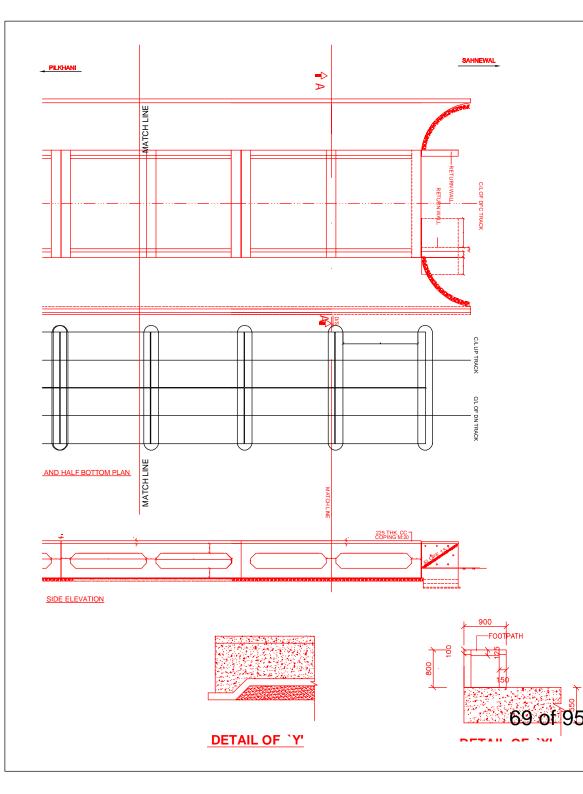
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GENERAL	. CONSU	ILTANT	AECO	M Asia (Co. Ltd.	
A	CC	M			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY
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PROJE	ст			WAL TO F 360.200 to	PILKHANI Km 187.500	
		CC	NTRAC	T PAC	KAGE - 301	
STRUC	IURE				R BR. NO. 135 T CH. 110723	
TITLE		G	GENERAL A	RRANGE	MENT DRAWING	
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.
NTS	MAY 2015				AECOM/301/MJR/135 SHEET 2 DF 2	R0



- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
- 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER
- ii) IRS CONCRETE BRIDGE CODE.
 iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
 b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) 3. HIGH YIELD STRENGTH DEFORMED/TMT BAR OF GRADE Fe-500 SATISFYING
- THE REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT.
- ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION. 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE
- AND FOUNDATION CODE.
- 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
- 9. THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED FOUNDATION. 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE
- FOUNDATION AND TESTING WILL BE FOLLOWED. 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE
- FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE.
- AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL/ROAD AUTHORITY BY THE CONTRACTOR WELL IN
- 13. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDFC.
- 14. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT 15. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN
- PROTECTION WORKS 16. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER
- WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION. 17. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED
- 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY. 19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT.

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	A	CC	M			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY	
				EASTE	RN CO	RRIDOR		
	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500							
	CONTRACT PACKAGE - 301							
	STRUCTURE PROPOSED MAJOR BR. NO. 136 SPAN (2X9.15m) AT CH. 110979							
	TITLE		G	GENERAL A	RRANGE	MENT DRAWING		
	SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.	
	NTS	MAY 2015				AECOM/301/MJR/136	R0	



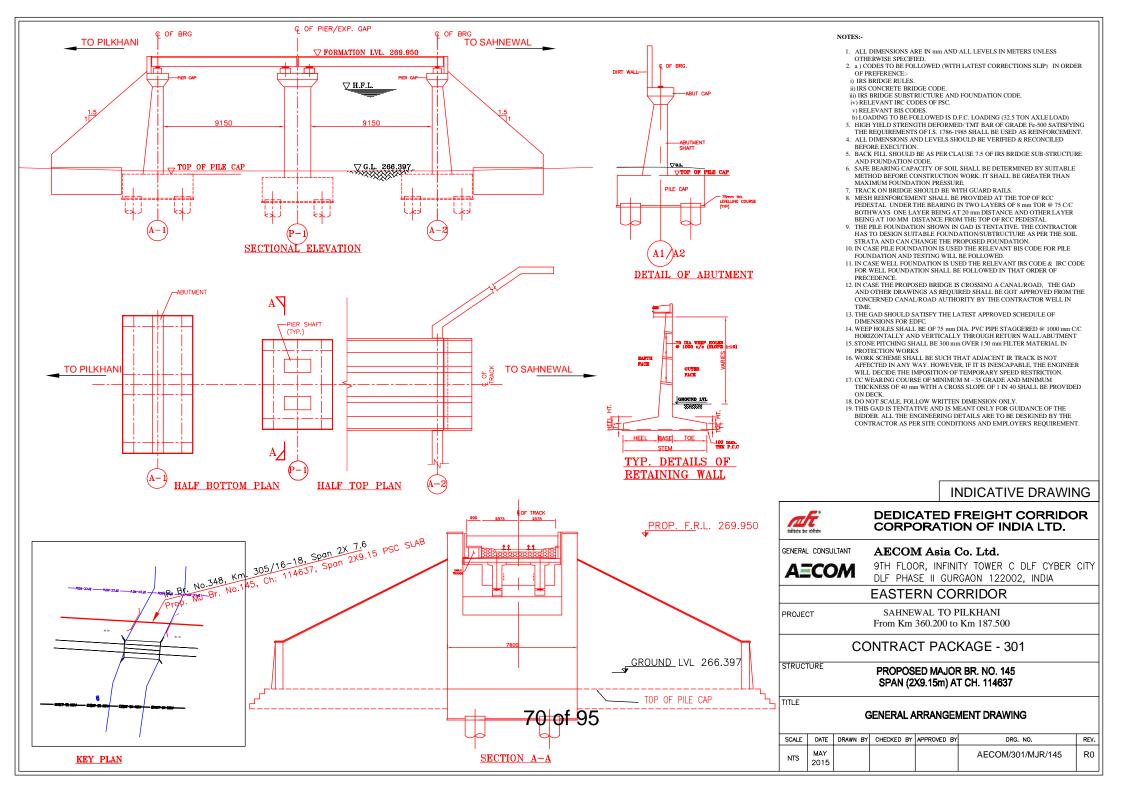


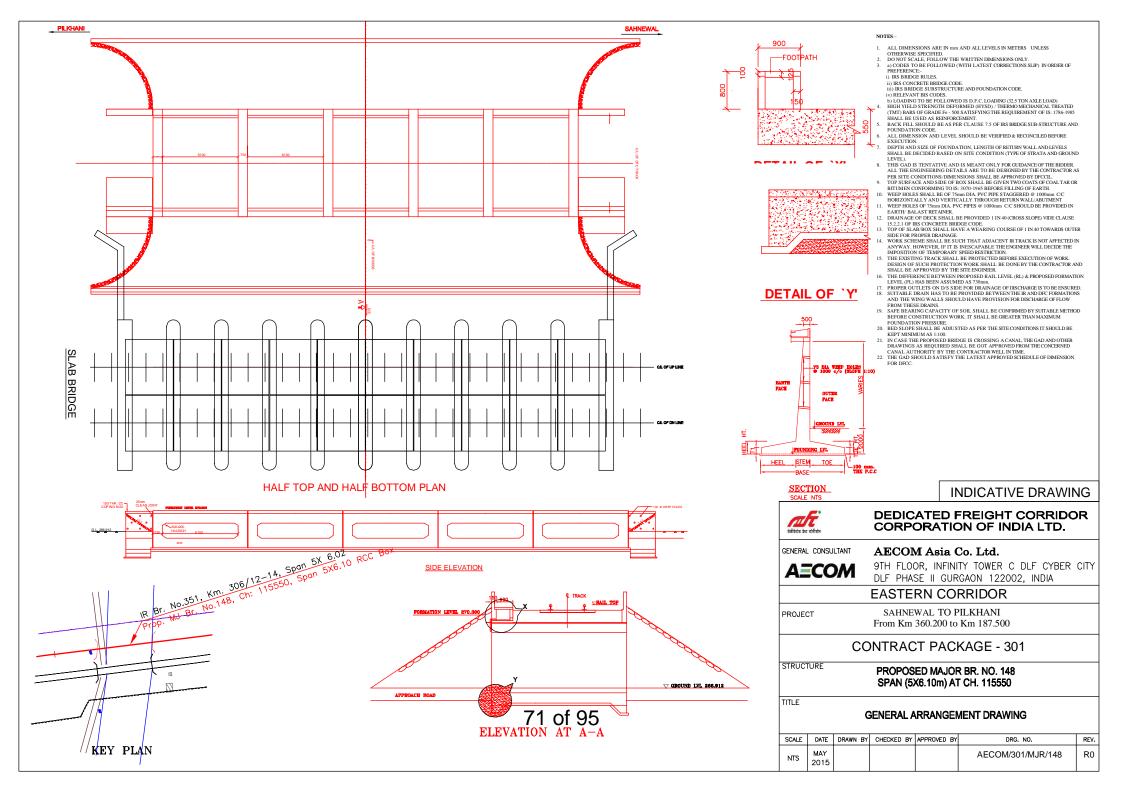
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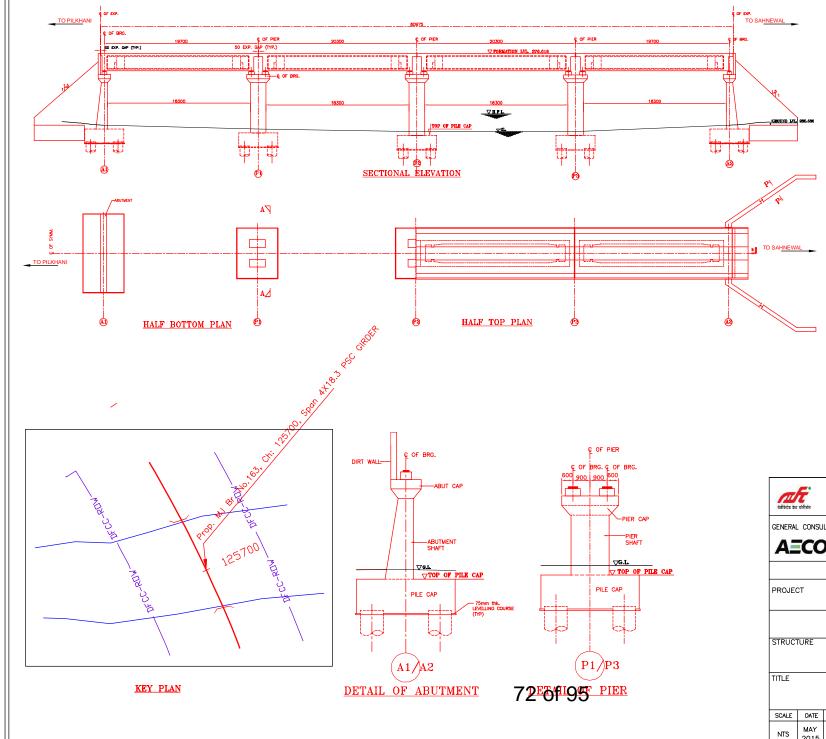
NOTES:-

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- DO NOT SCALE, FOLLOW THE WRITTEN DIMENSIONS ONLY. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF
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- ii) IRS CONCRETE BRIDGE CODE. iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- 4. HIGH YIELD STRENGTH DEFORMED (HYSD) / THERMO MECHANICAL TREATED (TMT) BARS OF GRADE Fe - 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
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- 22. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

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		EASTE	RN CO	RRIDOR	
PROJECT			WAL TO F 360.200 to	PILKHANI Km 187.500	
	CO	NTRAC	T PAC	KAGE - 301	
STRUCTURE				R BR. NO. 140 F CH. 113176	
TITLE	G	GENERAL A	RRANGE	IENT DRAWING	
SCALE DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.
NTS MAY 2015				AECOM/301/MJR/140 SHEET 2 DF 2	R0



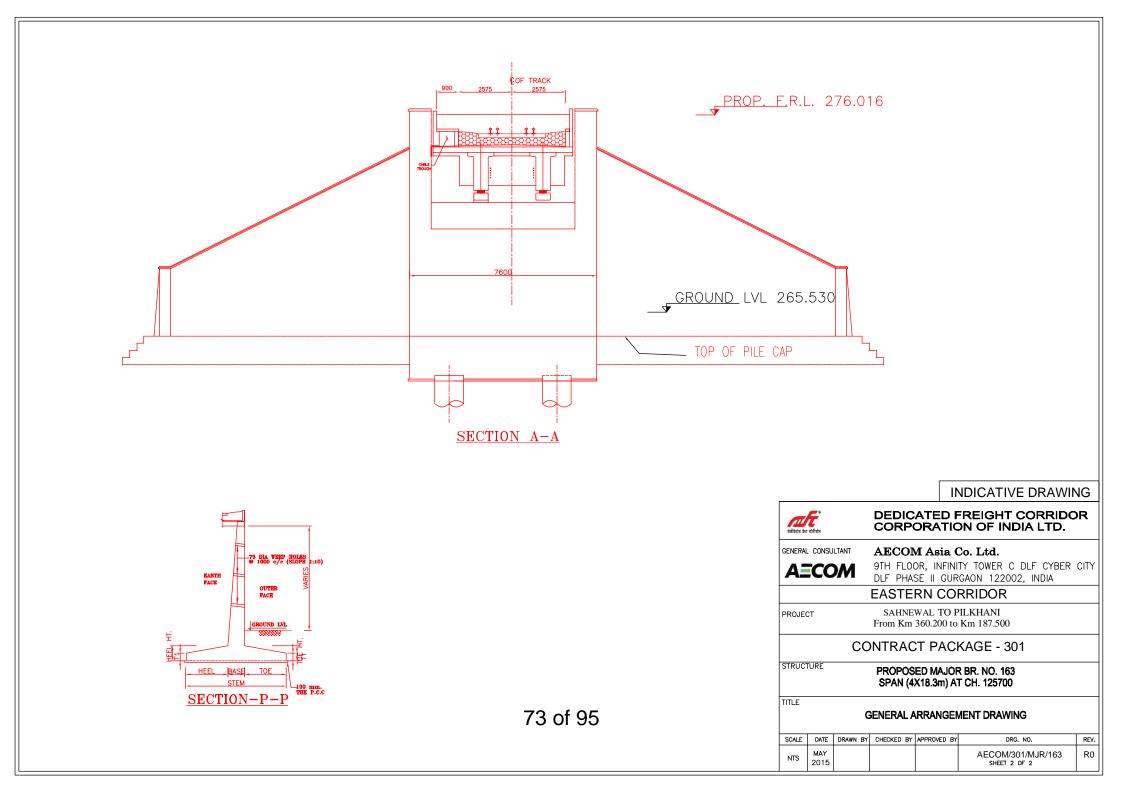


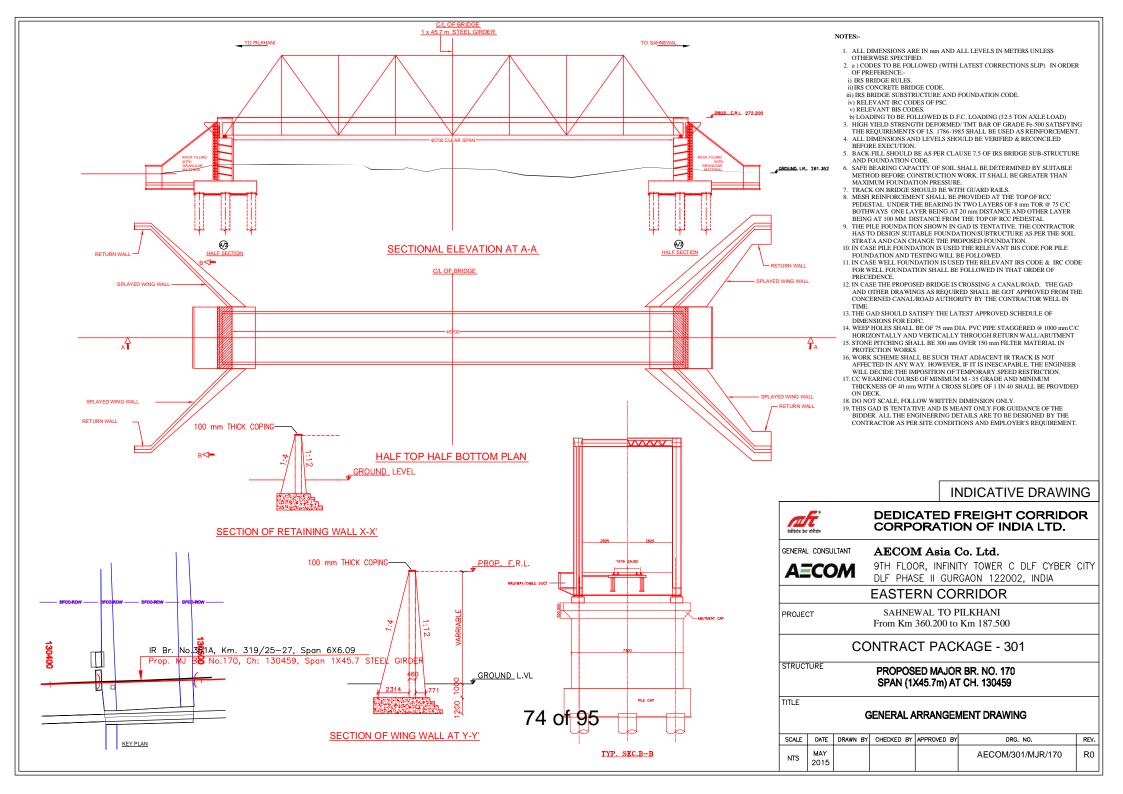


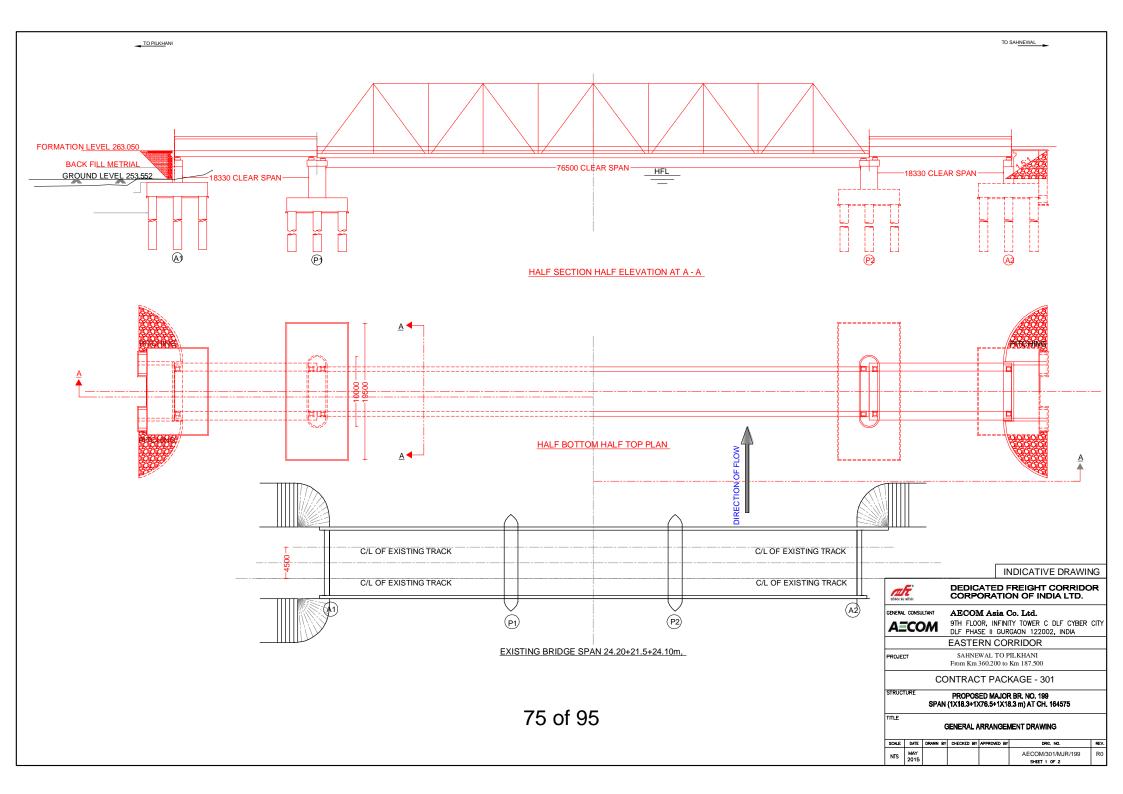
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- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL UNDER THE BEARING IN TWO LAYERS OF 8 mm TOR @ 75 CC BOTHWAYS ONE LAYER BEING AT 20 mm DISTANCE AND OTHER LAYER BEING AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
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- PROTECTION WORKS 16. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY, HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 17. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK.
- 18. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.

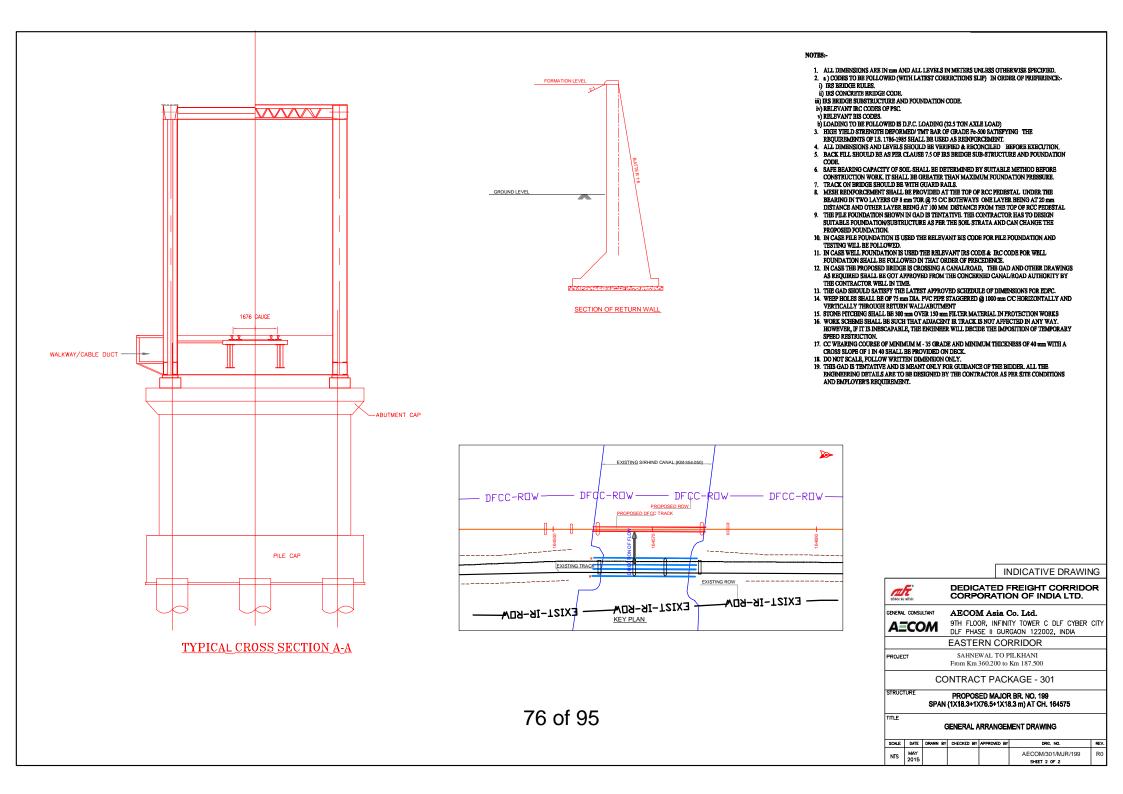
19. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT.

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A	CC	M			TY TOWER C DLF CYBER GAON 122002, INDIA	CITY
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PROJEC	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500					
		CO	NTRAC		KAGE - 301	
STRUCT	URE				R BR. NO. 163 T CH. 125700	
TITLE		G	ENERAL A	RRANGE	MENT DRAWING	
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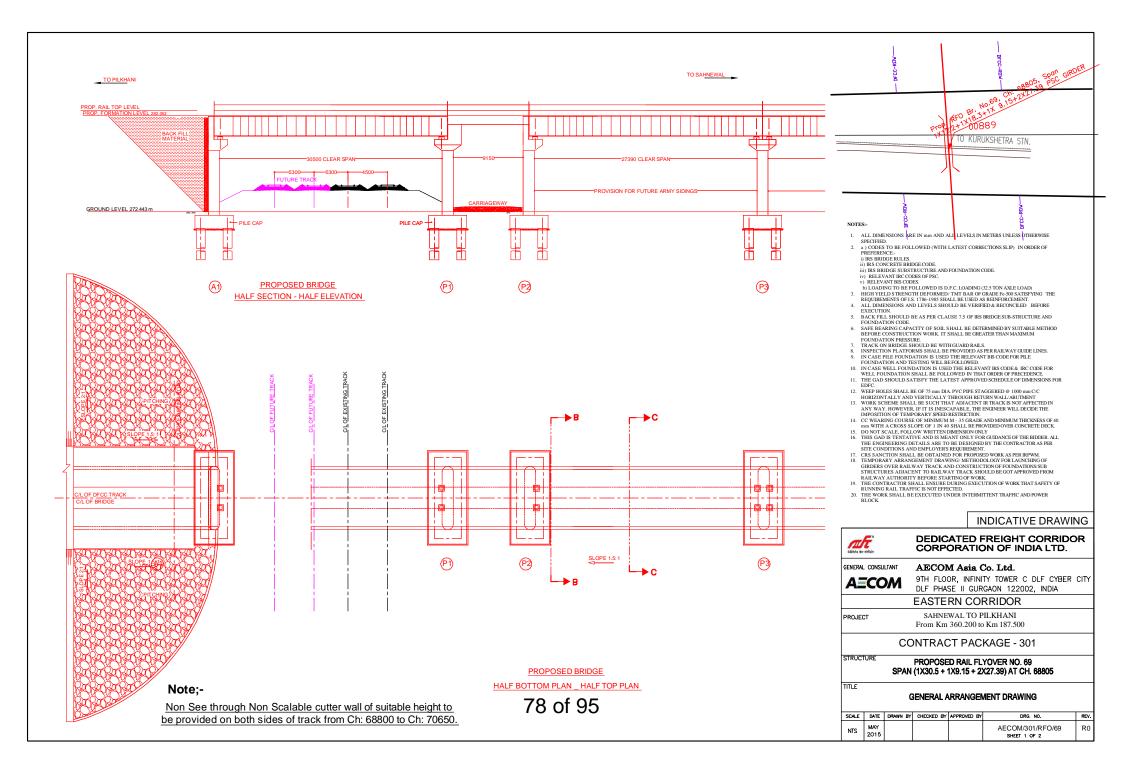


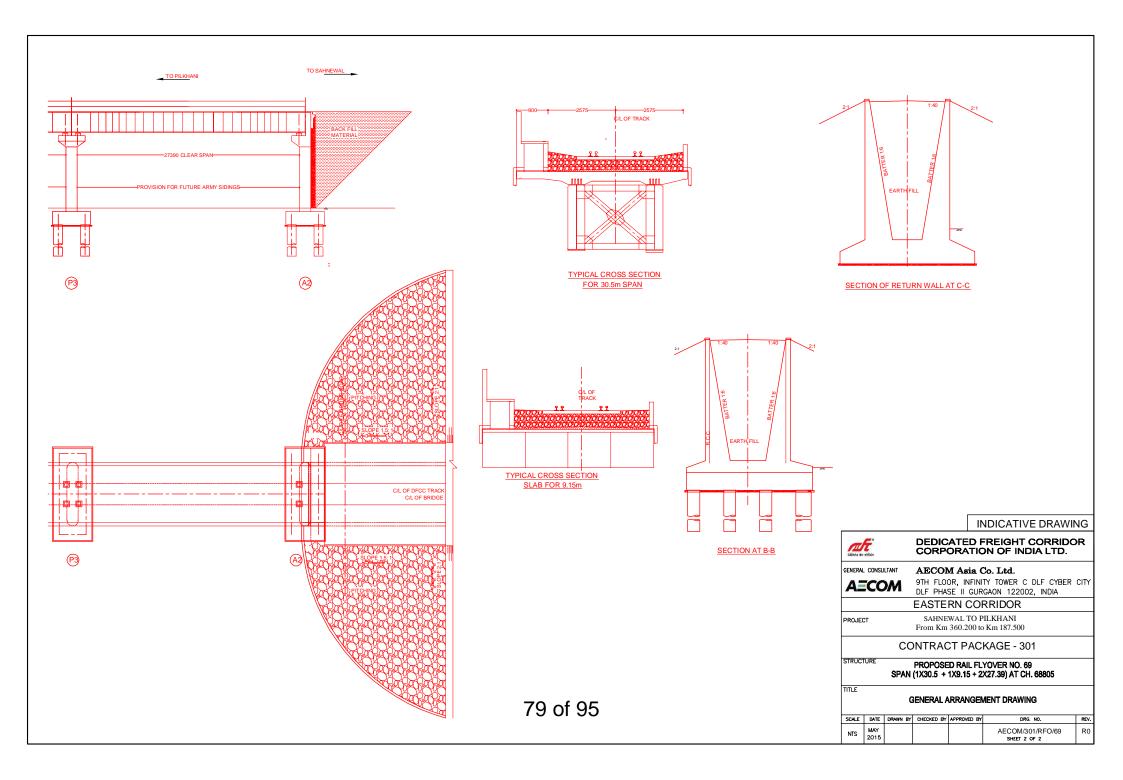


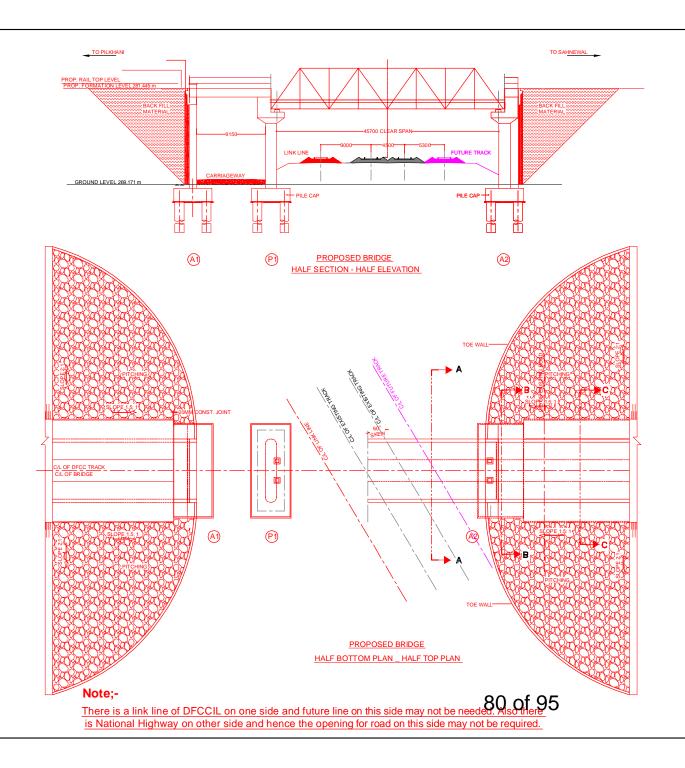


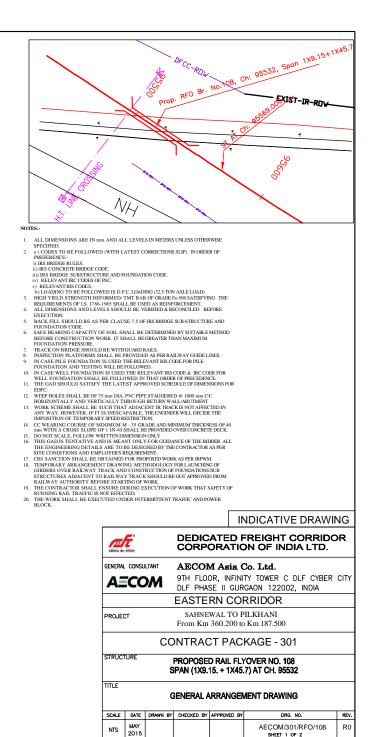
SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

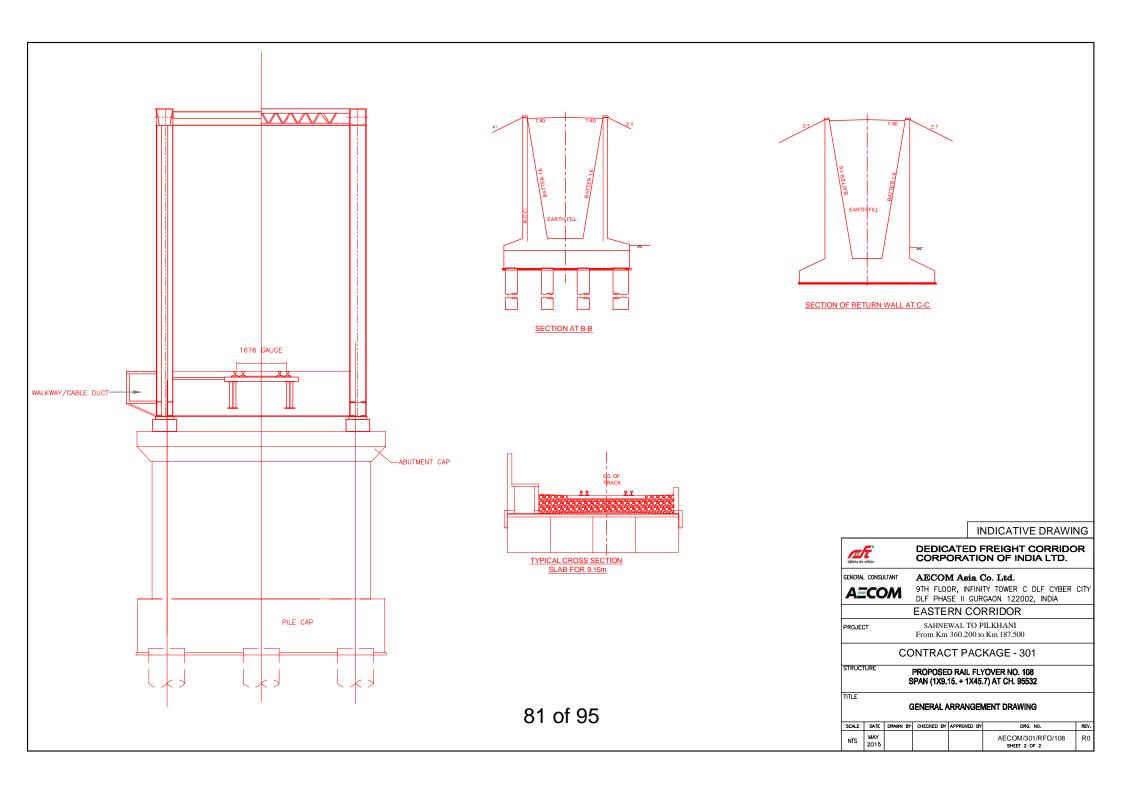
GAD OF RFOs

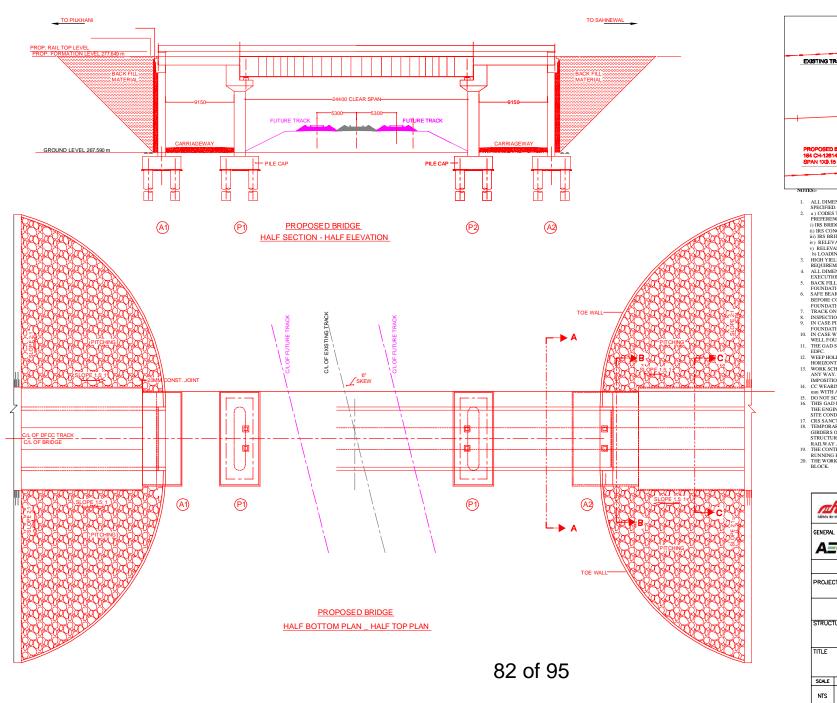


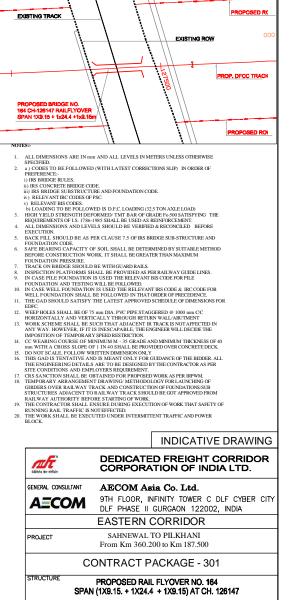








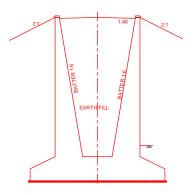




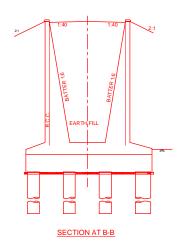
GENERAL ARRANGEMENT DRAWING

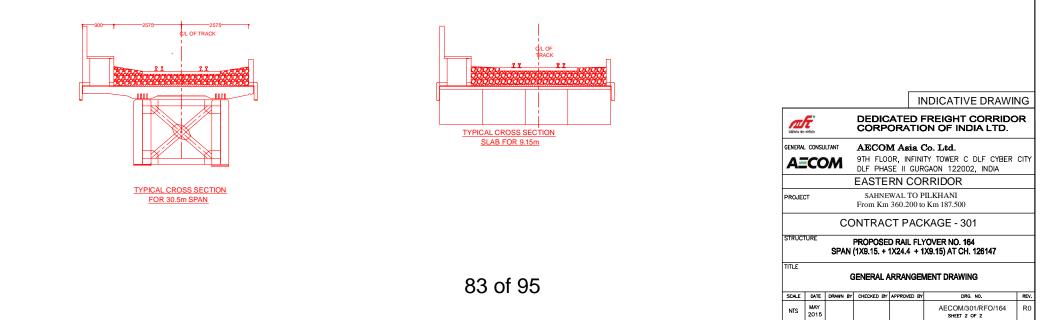
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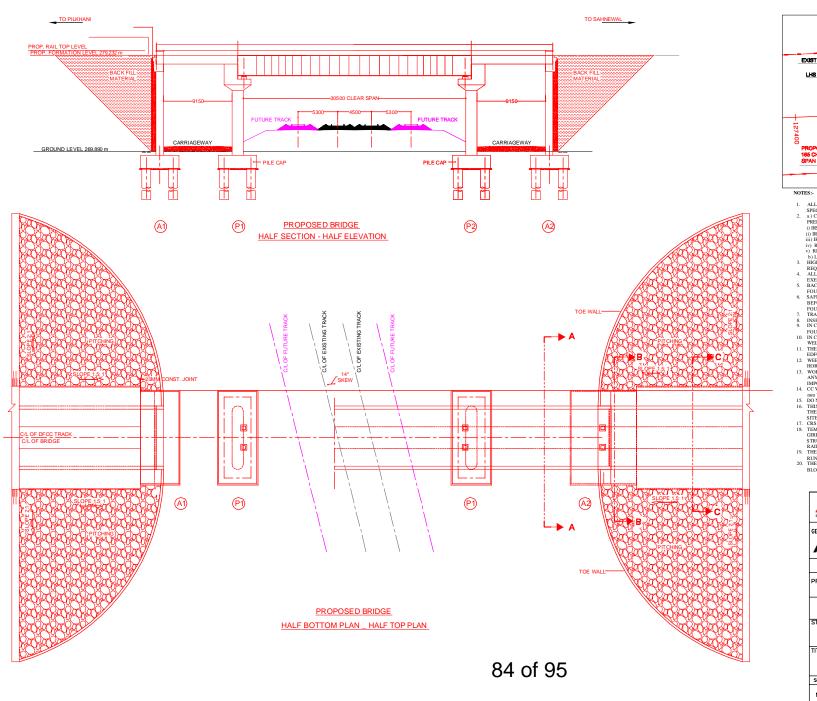
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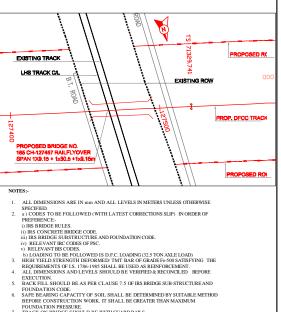


SECTION OF RETURN WALL AT C-C







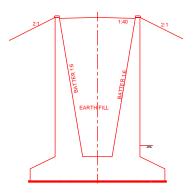


- BEFORE CONSTRUCTION WORK. IT MALL BE GREATER HAN MAAIMUM FOUNDATION PRESSURE TRACK ON BRIDGE SHOULD BE WITH GUARD RALS. INSPECTION PLATFORMS SHALL BE PROVIDED AS PER FAILWAY GUDE LINES. IN CASE PLIE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PLE

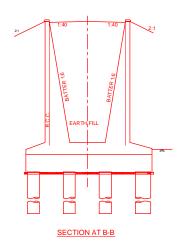
- 9. INC CASE PILE FOUNDATION IS USED THE RELEVANT ISIS CODE FOR PILE FOUNDATION AND TESTING WILE BEFOLOWED.
 10. INC CASE WELL FOUNDATION IS USED THE RELEVANT ISIS CODE & IRC CODE FOR WELL FOUNDATION SIALL BE FOLOWED IN THAT ORRER FOR PRECEDENCE.
 11. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDPC.
 12. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm CC HORIZONTALLY AND VERTICALLY TIMOUCH RETURN WALLARDTMENT 13. WORK SCHEME SHALL BE SUCH THAT ADDACENT IR ITRACK IS NOT APPECTED IN MORK SCHEME SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm CC HORIZONTALLY AND VERTICALLY TIMOUCH RETURN WALLARDTMENT 13. WORK SCHEME SHALL DE SUCH THAT ADDACENT IR ITRACK IS NOT APPECTED IN MORK TO OF TEMMORA MY SFEED RESTRUCTION.
 10. COVERNMENT OF THE MORA BY SFEED RESTRUCTION.
 10. COVERNMENT AND AND INSUMINT HICKNESS OF 40 mm WITH A CROSS SLOPE OF 11 N 03 SHALL BE PROVIDED VORE COVERTE DECK.
 15. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY 10. THIS GAD IS TENTIATIVE AND IS MEANT ONLY FOR OUTDANCE OF THE BIDDER. ALL

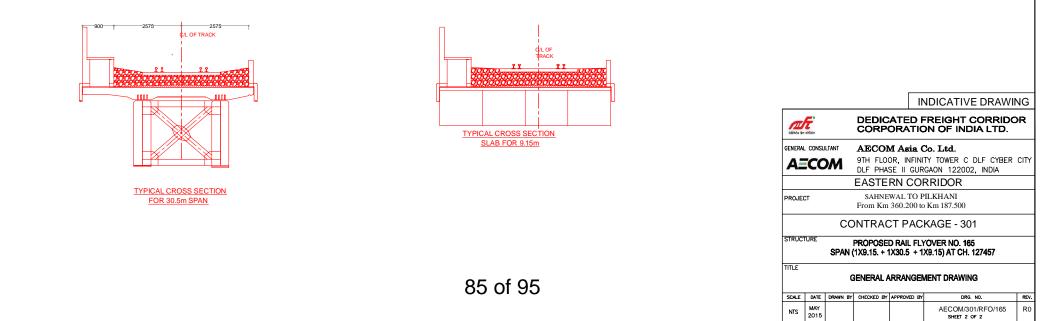
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 17. CRS SANCTION SHALL BE OBTAINED FOR PROPOSED WORK AS PER IR/WM.
 18. TEMPORARY ARRANCEMENT DRAWING 'METHODOLOCY FOR LUNCHING OF
 GIRDERS OVER RALLWAY TRACK AND CONSTRUCTION OF FOLNOATIONS SUB
 STRUCTURES ADJACENT TO RALWAY TRACK AND CONSTRUCTION OF FOLNOATIONS SUB
 STRUCTURES ADJACENT TO RALWAY TRACK AND CONSTRUCTION OF FOLNOATIONS SUB
 STRUCTURES ADJACENT TO RALWAY TRACK AND CONSTRUCTION OF FORM
 14. WAY ALTIMONTY BEFORE STANING OF WORK
 16. MIL WAY ALTIMONTY BEFORE STANING OF WORK
 16. MIL TRACK AND TO PERFECTED
 20. THE WORK SHALL BE EXECUTED UNDER INTERMITTENT TRAFFIC AND POWER
 10. OK
- - BLOCK.

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GENERAL CONSULTANT			AECON	Asia (Co. Ltd.			
AECOM			9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA					
			EASTE	RN CO	RRIDOR			
PROJEC	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500							
	CONTRACT PACKAGE - 301							
STRUCTURE PROPOSED RAIL FLYOVER NO. 165 SPAN (1X9.15. + 1X30.5 + 1X9.15) AT CH. 127457								
GENERAL ARRANGEMENT DRAWING								
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.		
NTS	MAY 2015				AECOM/301/RFO/165 Sheet 1 of 2	R0		



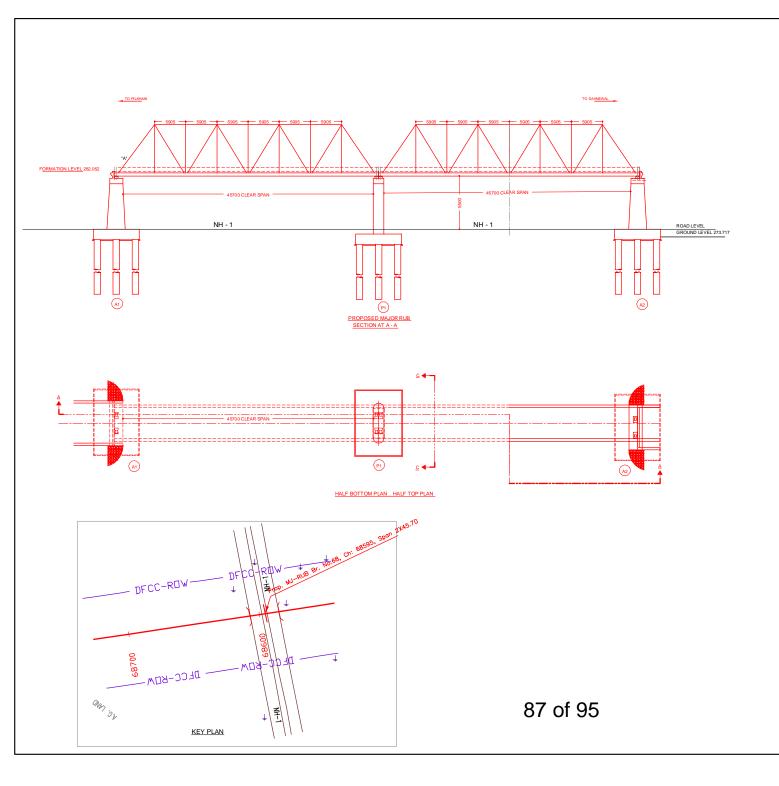
SECTION OF RETURN WALL AT C-C





SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

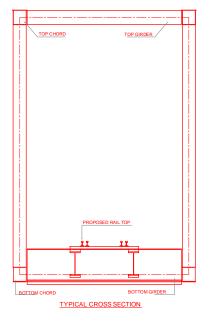
GAD OF MAJOR RUBs

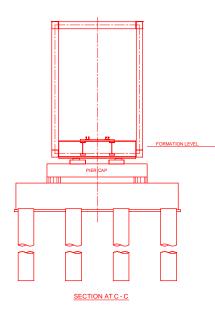


NOTES:-

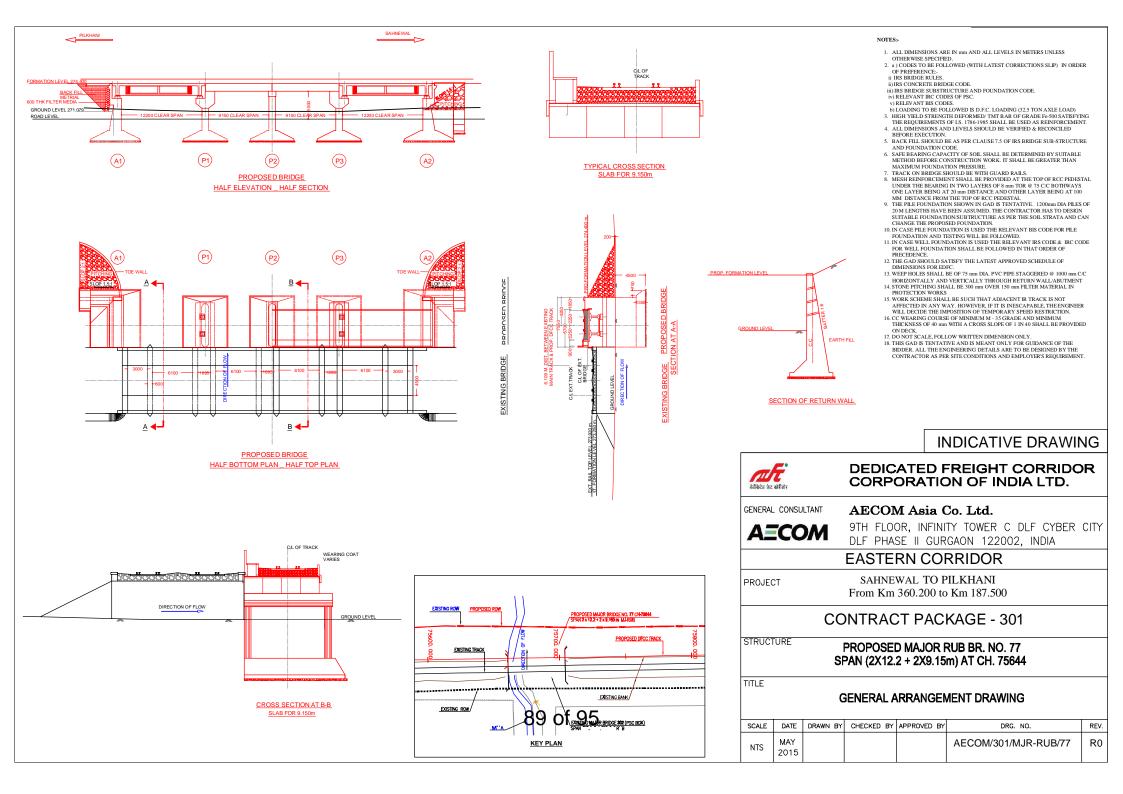
- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED
- 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF PREFERENCE:-
- i) IRS BRIDGE RULES.
- ii) IRS CONCRETE BRIDGE CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT IRC CODES OF PSC.
- v) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD) 3. HIGH YIELD STRENGTH DEFORMED/ TMT BAR OF GRADE Fe-500 SATISFYING THE
- REQUIREMENTS OF I.S. 1786-1985 SHALL BE USED AS REINFORCEMENT. 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED BEFORE
- EXECUTION.
- 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE.
- 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE.
- 7. TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
- 8. MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC PEDESTAL
- 9. THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. 1200mm DIA PILES OF 20 M LENGTHS HAVE BEEN ASSUMED. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED FOUNDATION.
- 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE FOUNDATION AND TESTING WILL BE FOLLOWED.
- 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE.
- 12. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDFC
- 13. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- 14. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN PROTECTION WORKS
- 15. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 16. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK. 17. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
- 18. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT.

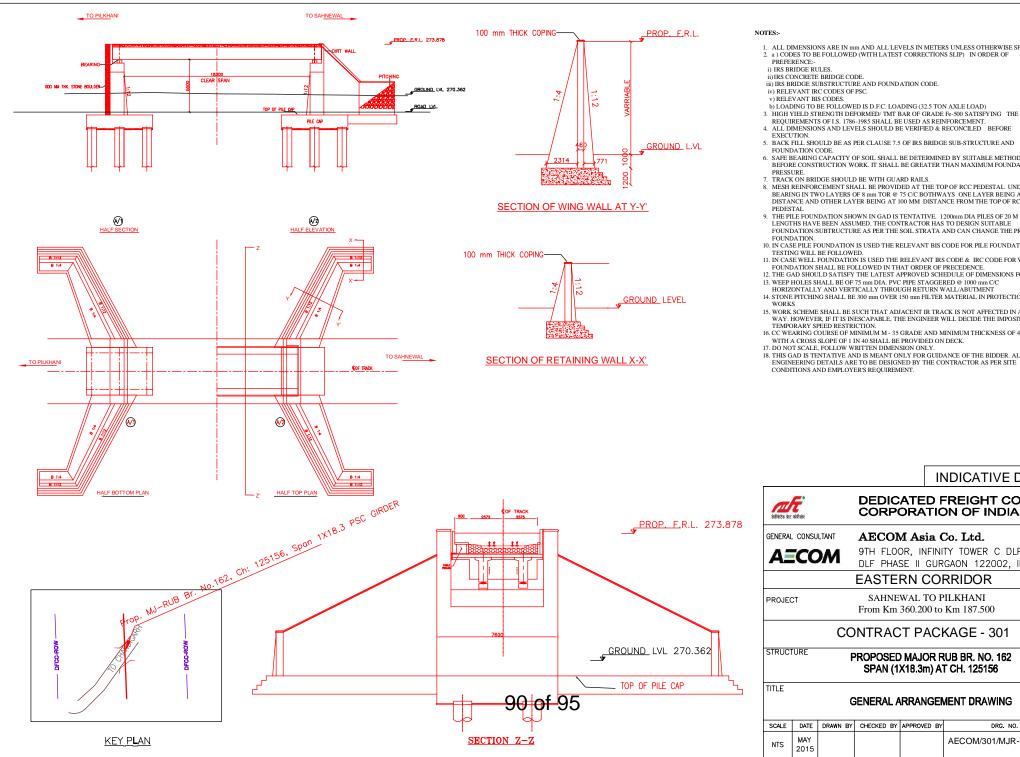
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ad bete be	DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.							
GENERAL	GENERAL CONSULTANT AECOM Asia Co. Ltd.							
AECOM 9TH FLOOR, INFINITY TOWER C DLF CYBER DLF PHASE II GURGAON 122002, INDIA						CITY		
	EASTERN CORRIDOR							
PROJEC	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500							
	CONTRACT PACKAGE - 301							
STRUCT	STRUCTURE PROPOSED MAJOR RUB BR. NO. 68 SPAN (2X45.7m) AT CH. 68595							
TITLE GENERAL ARRANGEMENT DRAWING								
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.		
NTS	MAY 2015				AECOM/301/MJR-RUB/68 SHEET 1 OF 2	R0		





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ad better bet	DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.								
GENERAL CONSULTANT AECOM Asia Co. Ltd.									
A	AECOM 9TH FLOOR, INFINITY TOWER C DLF CYBER CIT DLF PHASE II GURGAON 122002, INDIA								
			EASTE	RN CO	RRIDOR				
PROJE	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500								
CONTRACT PACKAGE - 301									
STRUCTURE PROPOSED MAJOR RUB BR. NO. 68 SPAN (2X45.7m) AT CH. 68595									
TITLE GENERAL ARRANGEMENT DRAWING									
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.			
NTS	MAY 2015				AECOM/301/MJR-RUB/68 SHEET 2 OF 2	R0			



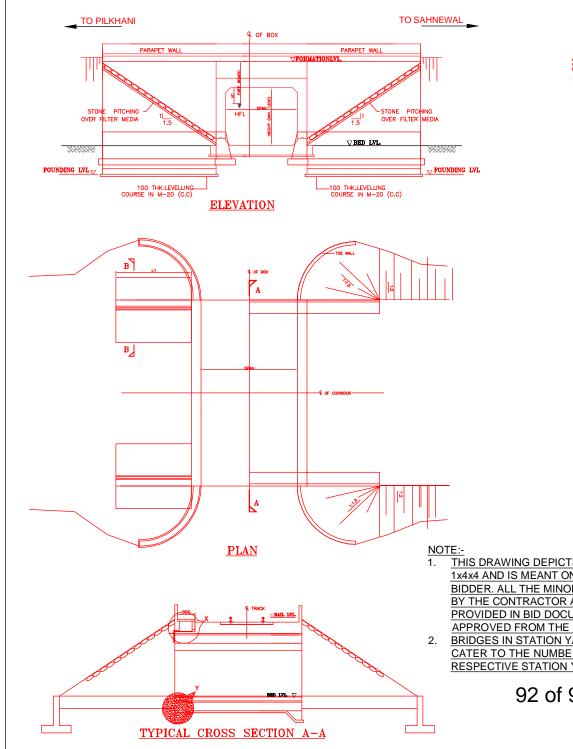


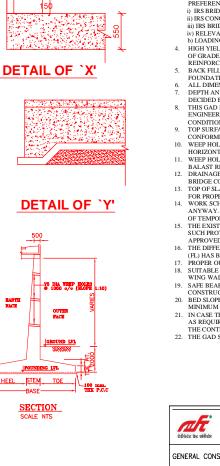
- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED. 2. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- 4. ALL DIMENSIONS AND LEVELS SHOULD BE VERIFIED & RECONCILED BEFORE
- 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND
- 6. SAFE BEARING CAPACITY OF SOIL SHALL BE DETERMINED BY SUITABLE METHOD BEFORE CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION
- TRACK ON BRIDGE SHOULD BE WITH GUARD RAILS.
 MESH REINFORCEMENT SHALL BE PROVIDED AT THE TOP OF RCC PEDESTAL 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 AT 100 MM DISTANCE FROM THE TOP OF RCC
- 9. THE PILE FOUNDATION SHOWN IN GAD IS TENTATIVE. 1200mm DIA PILES OF 20 M LENGTHS HAVE BEEN ASSUMED. THE CONTRACTOR HAS TO DESIGN SUITABLE FOUNDATION/SUBTRUCTURE AS PER THE SOIL STRATA AND CAN CHANGE THE PROPOSED
- FOUNDATION. 10. IN CASE PILE FOUNDATION IS USED THE RELEVANT BIS CODE FOR PILE FOUNDATION AND
- 11. IN CASE WELL FOUNDATION IS USED THE RELEVANT IRS CODE & IRC CODE FOR WELL FOUNDATION SHALL BE FOLLOWED IN THAT ORDER OF PRECEDENCE. 12. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSIONS FOR EDFC.
- 13. WEEP HOLES SHALL BE OF 75 mm DIA. PVC PIPE STAGGERED @ 1000 mm C/C
- HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT 14. STONE PITCHING SHALL BE 300 mm OVER 150 mm FILTER MATERIAL IN PROTECTION
- 15. WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANY WAY. HOWEVER, IF IT IS INESCAPABLE, THE ENGINEER WILL DECIDE THE IMPOSITION OF
- TEMPORARY SPEED RESTRICTION. 16. CC WEARING COURSE OF MINIMUM M 35 GRADE AND MINIMUM THICKNESS OF 40 mm WITH A CROSS SLOPE OF 1 IN 40 SHALL BE PROVIDED ON DECK.
- 17. DO NOT SCALE, FOLLOW WRITTEN DIMENSION ONLY.
 - 18. THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE CONDITIONS AND EMPLOYER'S REQUIREMENT.

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	GENERAL CONSULTANT			AECOM Asia Co. Ltd.				
	AECOM			9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA				
				EASTE	RN CO	RRIDOR		
	PROJEC	ст		SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500				
			CO	NTRAC	T PACI	KAGE - 301		
	STRUCT	2UB BR. NO. 162 F CH. 125156						
1	TITLE	TITLE GENERAL ARRANGEMENT DRAWING						
	SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.	
	NTS	MAY 2015				AECOM/301/MJR-RUB/162	R0	

SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

GAD OF MINOR BRIDGES





FOOTPATH

THIS DRAWING DEPICTS GA OF MINOR BRIDGE OF SPAN 1x4x4 AND IS MEANT ONLY FOR THE GUIDANCE OF THE BIDDER. ALL THE MINOR BRIDGES SHALL BE DESIGNED BY THE CONTRACTOR AS PER THE GUIDELINES PROVIDED IN BID DOCUMENT AND SHALL BE GOT APPROVED FROM THE ENGINEER.

BARTH

HEEL

BRIDGES IN STATION YARDS SHALL BE DESIGNED TO CATER TO THE NUMBER OF TRACKS SHOWN IN **RESPECTIVE STATION YARD.**

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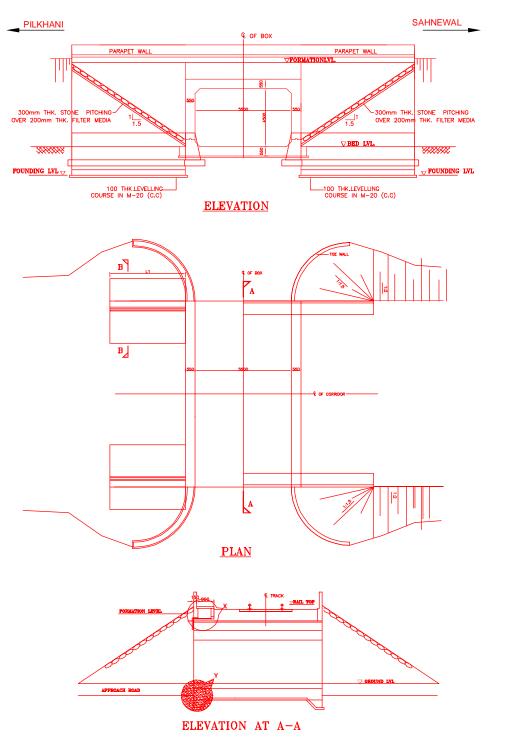
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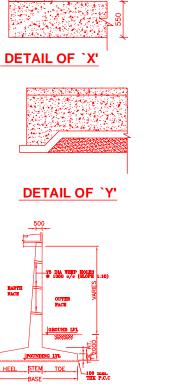
- ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE 1 SPECIFIED.
- DO NOT SCALE, FOLLOW THE WRITTEN DIMENSIONS ONLY.
- a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF 3 PREFERENCE:-
- i) IRS BRIDGE RULES.
- ii) IRS CONCRETE BRIDGE CODE. iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- HIGH YIELD STRENGTH DEFORMED (HYSD) / THERMO MECHANICAL TREATED (TMT) BARS OF GRADE Fe - 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
- BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE
- ALL DIMENSION AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION. DEPTH AND SIZE OF FOUNDATION, LENGTH OF RETURN WALL AND LEVELS SHALL BE
- DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVEL). THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE
- CONDITIONS/DIMENSIONS SHALL BE APPROVED BY DFCCIL TOP SURFACE AND SIDE OF BOX SHALL BE GIVEN TWO COATS OF COAL TAR OR BITUMEN CONFORMING TO IS: 3070-1965 BEFORE FILLING OF EARTH.
- WEEP HOLES SHALL BE OF 75mm DIA. PVC PIPE STAGGERED @ 1000mm C/C HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm C/C SHOULD BE PROVIDED IN EARTH/ BALAST RETAINER.
- 12. DRAINAGE OF DECK SHALL BE PROVIDED AS PER CLAUSE 15.2.2.1 OF IRS CONCRETE BRIDGE CODE.
- 13. TOP OF SLAB/BOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE FOR PROPER DRAINAGE
- WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANYWAY. HOWEVER, IF IT IS INESCAPABLE THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- 15 THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK DESIGN OF SUCH PROTECTION WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE APPROVED BY THE SITE ENGINEER.
- 16. THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL (FL) HAS BEEN ASSUMED AS 730mm
- 17 PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED. 18. SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE
- WING WALLS SHOULD HAVE PROVISION FOR DISCHARGE OF FLOW FROM THESE DRAINS. 19. SAFE BEARING CAPACITY OF SOIL SHALL BE CONFIRMED BY SUITABLE METHOD BEFORE
- CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE 20. BED SLOPE SHALL BE ADJUSTED AS PER THE SITE CONDITIONS IT SHOULD BE KEPT MINIMUM AS 1:100.
- 21. IN CASE THE PROPOSED BRIDGE IS CROSSING A CANAL, THE GAD AND OTHER DRAWINGS AS REQUIRED SHALL BE GOT APPROVED FROM THE CONCERNED CANAL AUTHORITY BY THE CONTRACTOR WELL IN TIME.
- 22. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

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			9TH FLO	AECOM Asia Co. Ltd. 9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA				
	EASTERN CORRIDOR							
PROJEC	PROJECT SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500							
		CC	NTRAC	T PAC	KAGE - 301			
STRUCT	STRUCTURE TYPICAL DRAWING OF MINOR BRIDGE							
GENERAL ARRANGEMENT DRAWING								
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.		
NTS	MAY 2015				AECOM/301/MI/TYPICAL/1	R0		

SAHNEWAL TO PILKHANI From Km 360.200 to 187.500

GAD OF MINOR RUB





SECTION SCALE NTS

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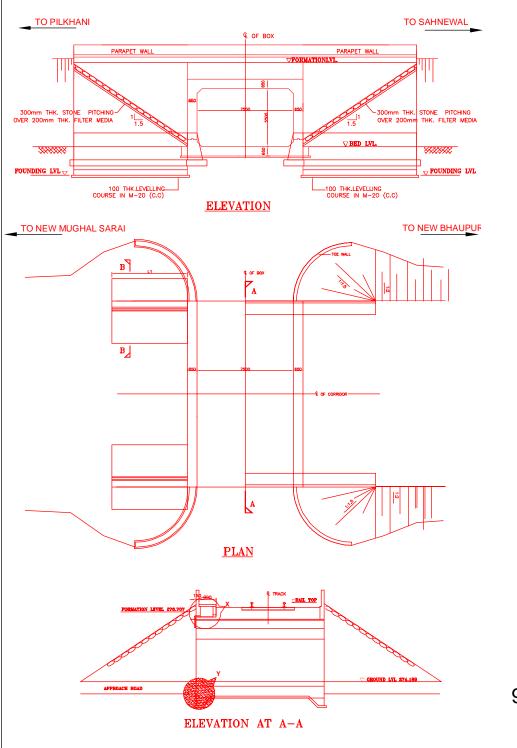
FOOTPATH

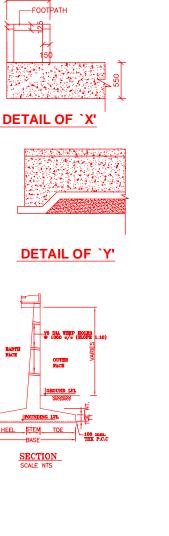
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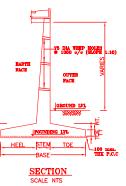
- 1. ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
- DO NOT SCALE, FOLLOW THE WRITTEN DIMENSIONS ONLY.
- 3. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF PREFERENCE:i) IRS BRIDGE RULES
- ii) IRS CONCRETE BRIDGE CODE.
- iii) IRS BRIDGE SUBSTRUCTURE AND FOUNDATION CODE.
- iv) RELEVANT BIS CODES.
- b) LOADING TO BE FOLLOWED IS D.F.C. LOADING (32.5 TON AXLE LOAD)
- HIGH YIELD STRENGTH DEFORMED (HVSD)/THERMO MECHANICAL TREATED (TMT) BARS OF GRADE Fe 500 SATISFYING THE REQUIREMENT OF IS: 1786-1985 SHALL BE USED AS REINFORCEMENT.
- 5. BACK FILL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE.
- ALL DIMENSION AND LEVEL SHOULD BE VERIFIED & RECONCILED BEFORE EXECUTION. DEPTH AND SIZE OF FOUNDATION, LENGTH OF RETURN WALL AND LEVELS SHALL BE 6 DECIDED BASED ON SITE CONDITION (TYPE OF STRATA AND GROUND LEVEL).
- THIS GAD IS TENTATIVE AND IS MEANT ONLY FOR GUIDANCE OF THE BIDDER. ALL THE ENGINEERING DETAILS ARE TO BE DESIGNED BY THE CONTRACTOR AS PER SITE
- CONDITIONS/DIMENSIONS SHALL BE APPROVED BY DFCCIL. TOP SURFACE AND SIDE OF BOX SHALL BE GIVEN TWO COATS OF COAL TAR OR BITUMEN CONFORMING TO IS: 3070-1965 BEFORE FILLING OF EARTH.
- WEEP HOLES SHALL BE OF 75mm DIA. PVC PIPE STAGGERED @ 1000mm C/C 10 HORIZONTALLY AND VERTICALLY THROUGH RETURN WALL/ABUTMENT
- 11. WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm C/C SHOULD BE PROVIDED IN EARTH/ BALAST RETAINER.
- 12. DRAINAGE OF DECK SHALL BE PROVIDED 1 IN 40 (CROSS SLOPE) VIDE CLAUSE 15.2.2.1 OF IRS CONCRETE BRIDGE CODE.
- 13. TOP OF SLAB/BOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE FOR PROPER DRAINAGE.
- WORK SCHEME SHALL BE SUCH THAT ADJACENT IR TRACK IS NOT AFFECTED IN ANYWAY, HOWEVER, IF IT IS INESCAPABLE THE ENGINEER WILL DECIDE THE IMPOSITION OF TEMPORARY SPEED RESTRICTION.
- THE EXISTING TRACK SHALL BE PROTECTED BEFORE EXECUTION OF WORK. DESIGN OF 15. SUCH PROTECTION WORK SHALL BE DONE BY THE CONTRACTOR AND SHALL BE APPROVED BY THE SITE ENGINEER.
- 16. THE DIFFERENCE BETWEEN PROPOSED RAIL LEVEL (RL) & PROPOSED FORMATION LEVEL (FL) HAS BEEN ASSUMED AS 730mm.
- 17. PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED.
- SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE WING WALLS SHOULD HAVE PROVISION FOR DISCHARGE OF FLOW FROM THESE DRAINS. 19. SAFE BEARING CAPACITY OF SOIL SHALL BE CONFIRMED BY SUITABLE METHOD BEFORE
- CONSTRUCTION WORK. IT SHALL BE GREATER THAN MAXIMUM FOUNDATION PRESSURE. 20. BED SLOPE SHALL BE ADJUSTED AS PER THE SITE CONDITIONS IT SHOULD BE KEPT
- MINIMUM AS 1:100. 21. THE GAD SHOULD SATISFY THE LATEST APPROVED SCHEDULE OF DIMENSION FOR DFCC.

INDICATIVE DRAWING

देवीकेटेड केंट कोरीजेर			DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.				
GENERAL	CONSU	LTANT	AECOM Asia Co. Ltd.				
A	CC	M	9TH FLOOR, INFINITY TOWER C DLF CYBER CITY DLF PHASE II GURGAON 122002, INDIA				
			EASTE	RN CO	RRIDOR		
PROJEC	т		SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500				
		СО	NTRAC	T PAC	(AGE - 301		
STRUCT	URE		TYPICAL DRAWING OF RUB				
			SPAN 1 X 5.5 X 4.5M				
TITLE	GENERAL ARRANGEMENT DRAWING						
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV	
NTS					AECOM/301/MNR-RUB/TYPICAL/2		







900

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NOTES:-

- ALL DIMENSIONS ARE IN mm AND ALL LEVELS IN METERS UNLESS OTHERWISE SPECIFIED.
- DO NOT SCALE, FOLLOW THE WRITTEN DIMENSIONS ONLY. a) CODES TO BE FOLLOWED (WITH LATEST CORRECTIONS SLIP) IN ORDER OF
- PREFERENCE:-
- i) IRS BRIDGE RULES.
- iii IRS CONCRETE BRIDGE CODE.
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- 11. WEEP HOLES OF 75mm DIA. PVC PIPES @ 1000mm C/C SHOULD BE PROVIDED IN EARTH/ BALAST RETAINER.
- BALASI KETAINER. D RAINAGE OF DECK SHALL BE PROVIDED 1 IN 40 (CROSS SLOPE) VIDE CLAUSE 15.2.2.1 OF IRS CONCRETE BRIDGE CODE. 13. TOP OF SLABBOX SHALL HAVE A WEARING COURSE OF 1 IN 40 TOWARDS OUTER SIDE
- FOR PROPER DRAINAGE.
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- 17. PROPER OUTLETS ON D/S SIDE FOR DRAINAGE OF DISCHARGE IS TO BE ENSURED. 18. SUITABLE DRAIN HAS TO BE PROVIDED BETWEEN THE IR AND DFC FORMATIONS AND THE
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E	EASTE	RN CO	RRIDOR				
PROJECT	SAHNEWAL TO PILKHANI From Km 360.200 to Km 187.500						
CON	CONTRACT PACKAGE - 301						
STRUCTURE	TYPICAL DRAWING OF RUB						
	SPAN 1 X 7.5 X 5.5M						
TITLE	TITLE						
GENERAL ARRANGEMENT DRAWING							
SCALE DATE DRAWN BY	CHECKED BY	APPROVED BY	DRG. NO.	REV.			
NTS			AECOM/301/MNR-RUB/TYPICAL/1				