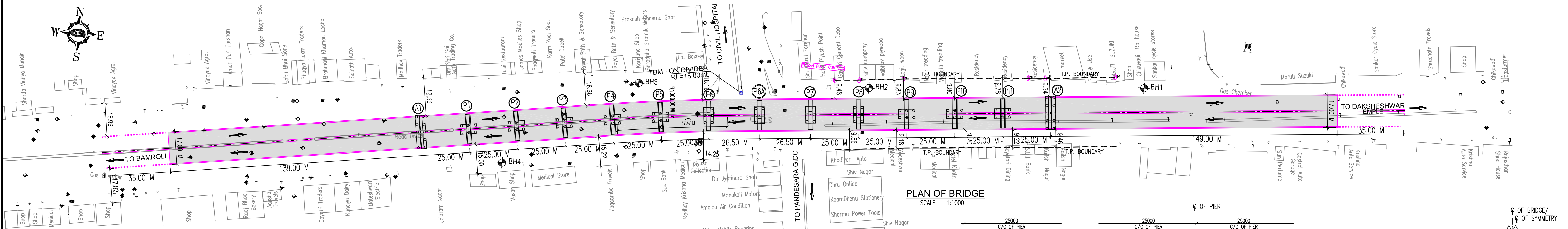
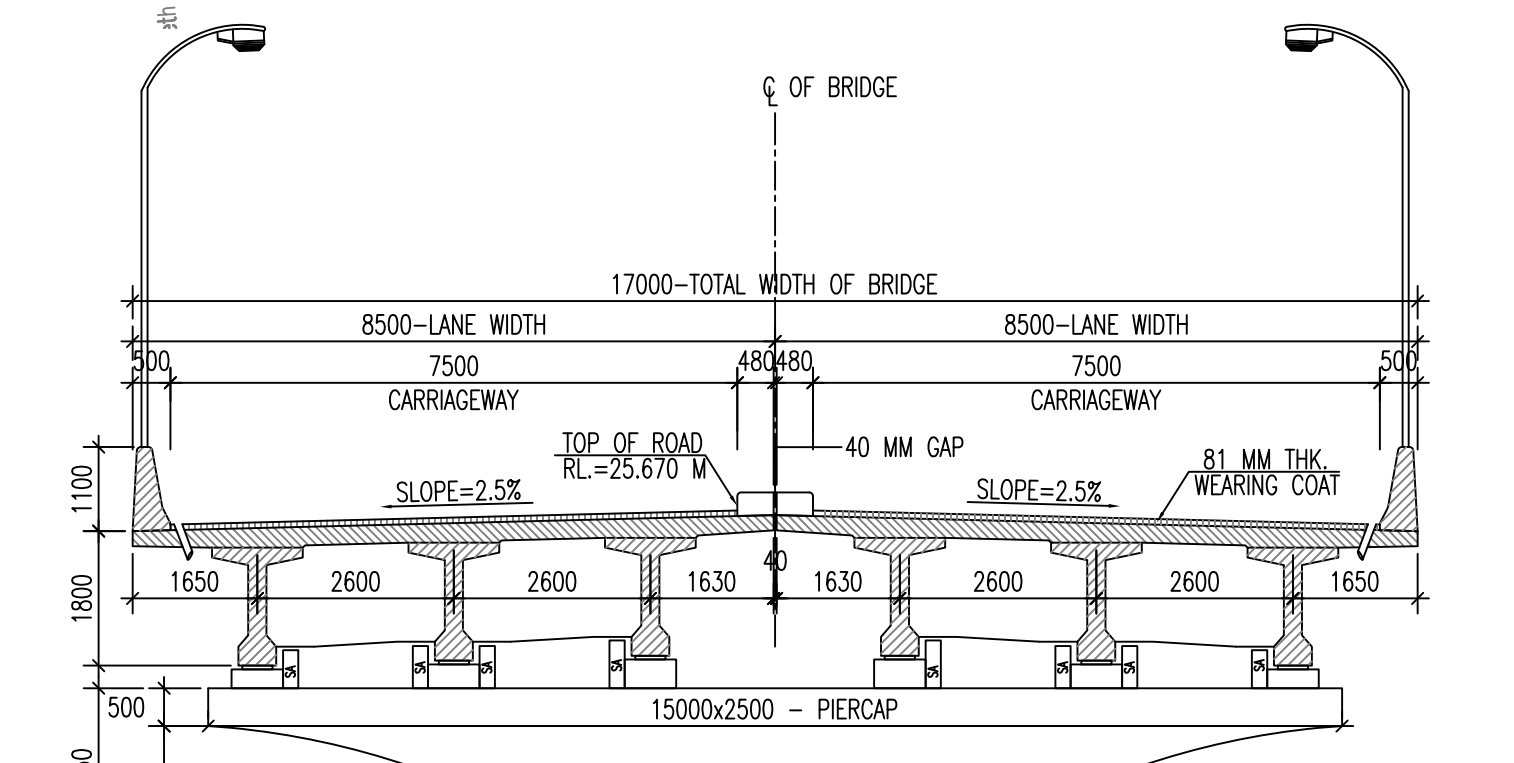


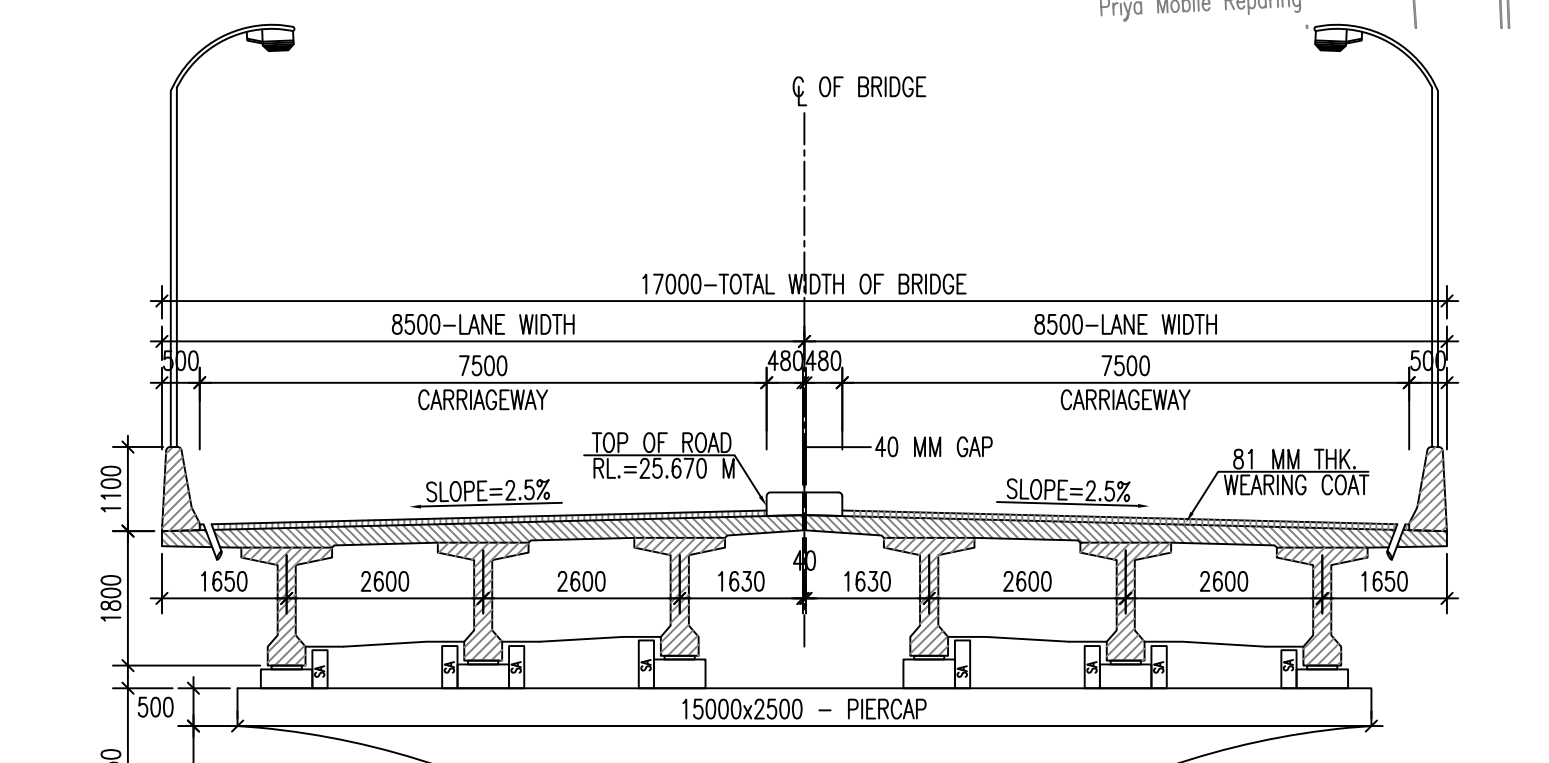
LONGITUDINAL SECTION OF BRIDGE
SCALE - HOR=1:1000, VER.=1:500



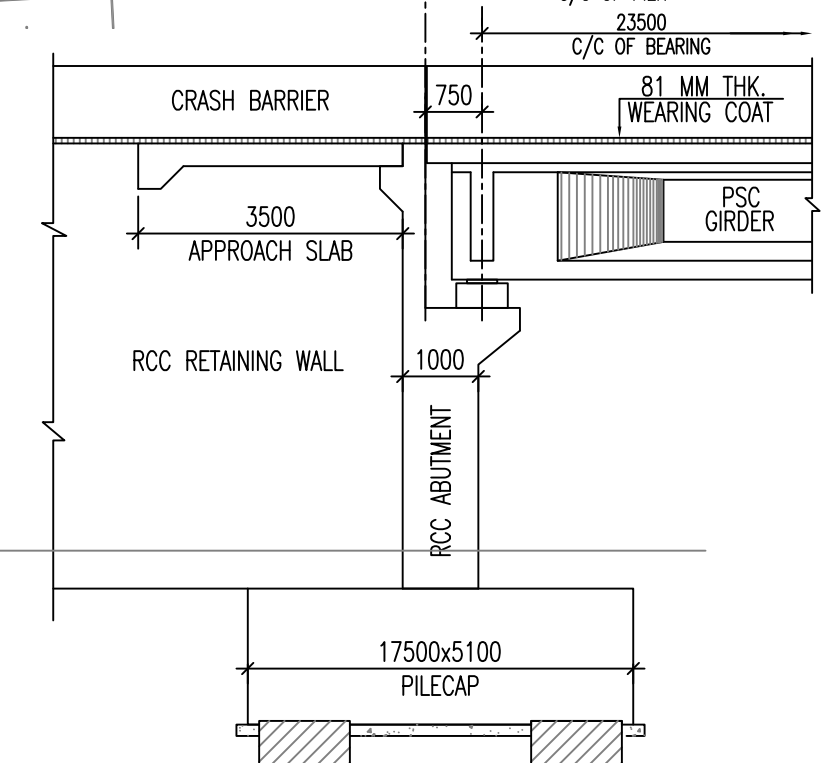
PLAN OF BRIDGE
SCALE - 1:1000



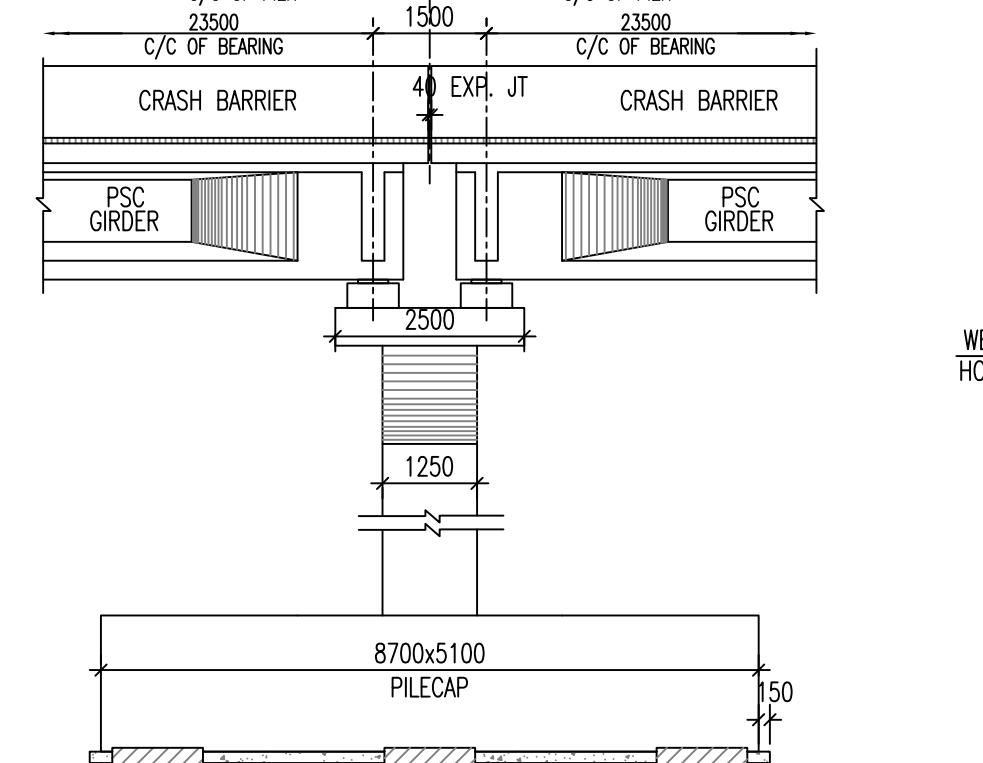
TYPICAL CROSS SECTION OF BRIDGE FOR PIER P1 TO P5 & P9 TO P11
SCALE - 1:100



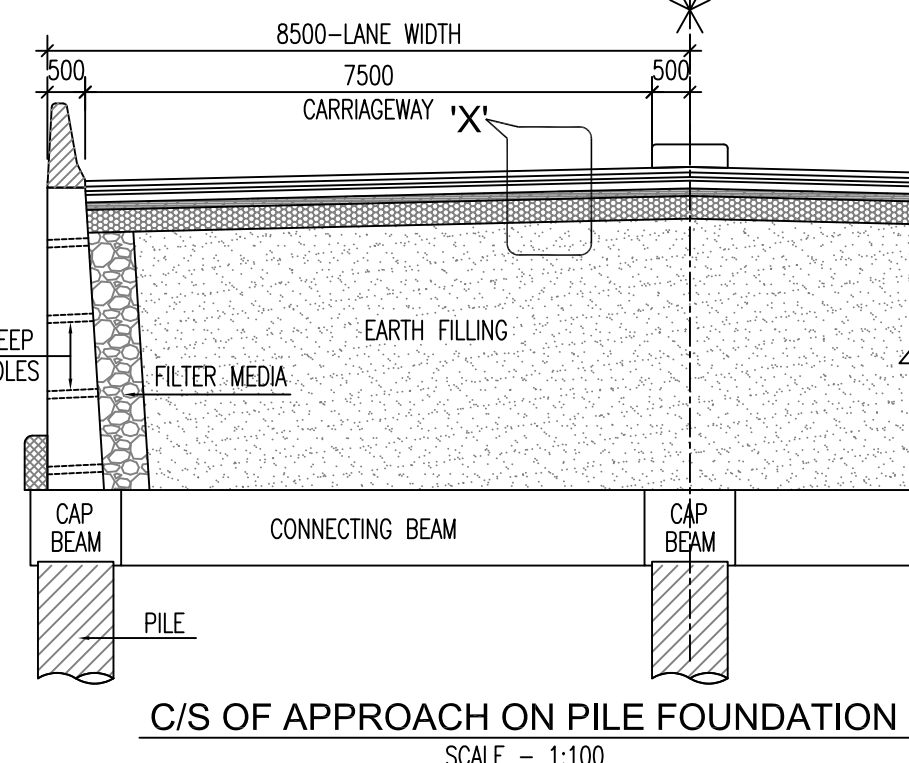
TYPICAL CROSS SECTION OF BRIDGE FOR PIER P6, P6A & P7
SCALE - 1:100



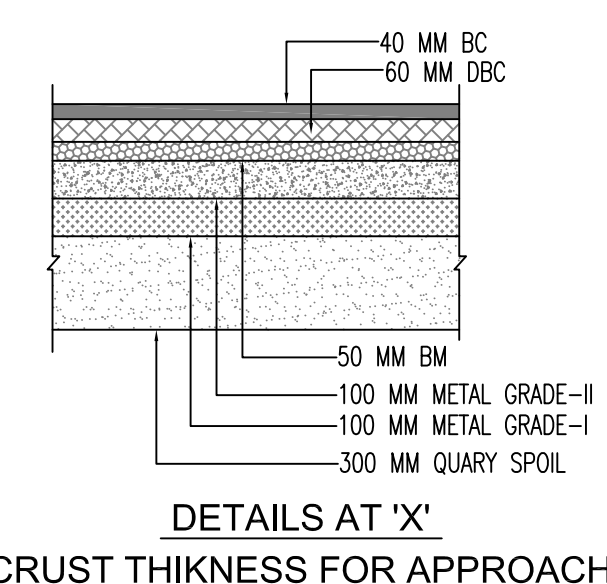
CROSS SECTION OF ABUTMENT
SCALE - 1:100



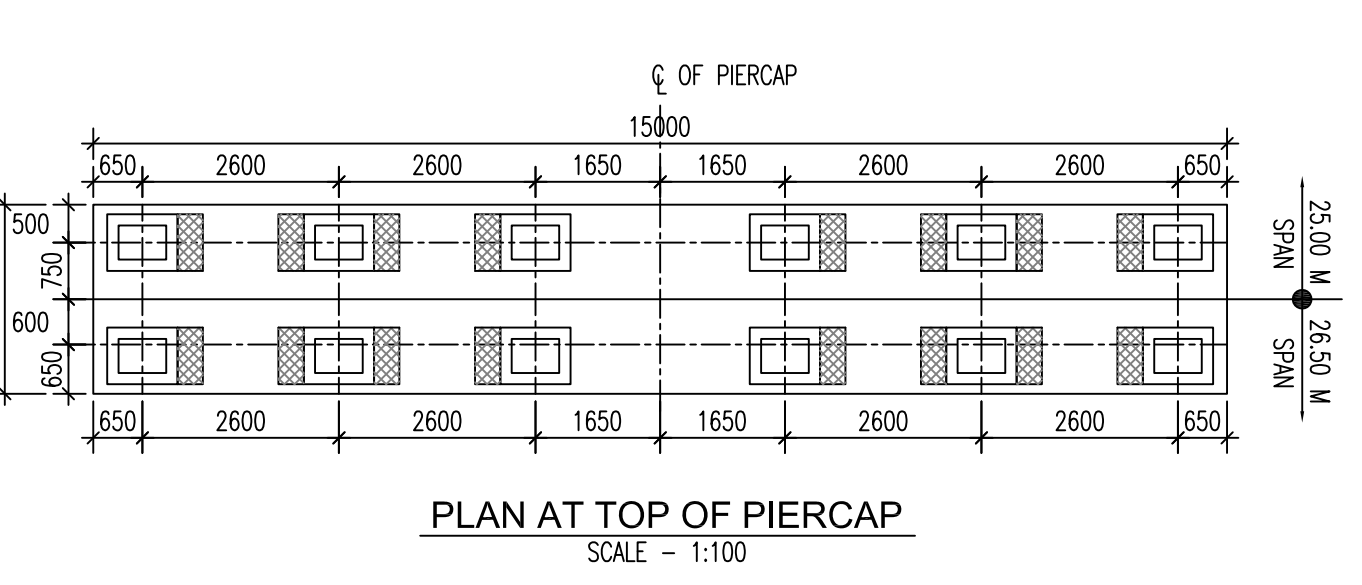
SECTION OF PIER - P3
SCALE - 1:100



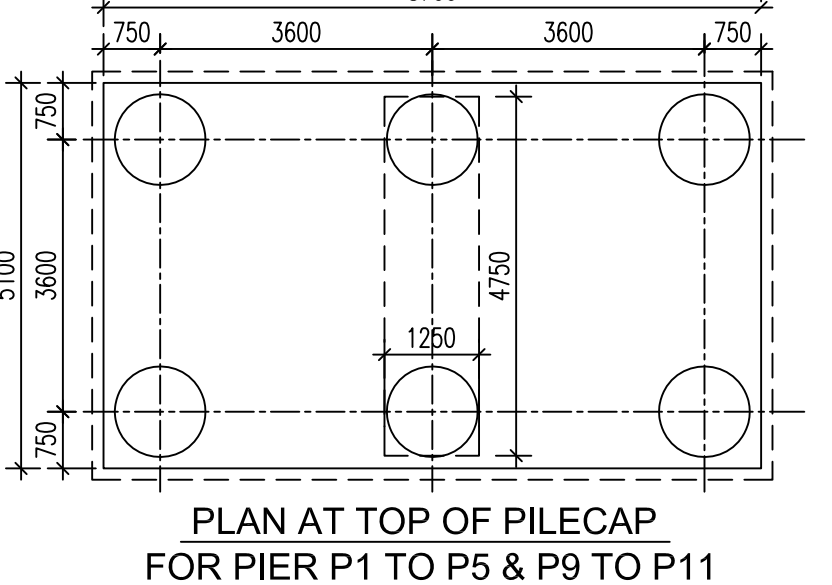
C/S OF APPROACH ON PILE FOUNDATION
SCALE - 1:100



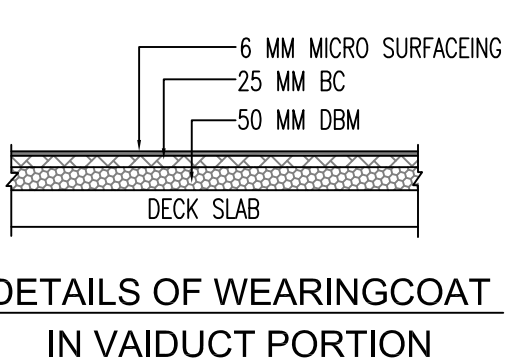
DETAILS AT 'X' CRUST THICKNESS FOR APPROACH



PLAN AT TOP OF PIERCAP
SCALE - 1:100



PLAN AT TOP OF PILECAP FOR PIER P1 TO P5 & P9 TO P11
SCALE - 1:100



DETAILS OF WEARINGCOAT IN VAIDUCT PORTION

- NOTES:-
- ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED IN THE DRAWING.
 - NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 - STRUCTURAL DETAILS, DIMENSIONS & CONC. GRADES SHOWN IN THIS DRAWING ARE TENTATIVE AND ANY UNIT AND ITS DIMENSION WILL BE AS PER DETAILED DESIGN AND WORKING DRAWINGS.
 - DESIGN SHALL BE AS PER LATEST RELEVANT CODE(S) OF IRC AND OTHER CODES AS APPROVED BY MOSRT&H.
 - STRIP SEAL TYPE EXPANSION JOINTS OF APPROVED MOSRT&H MANUFACTURER SHALL BE PROVIDED IN DECK AT EXPANSION GAPS.
 - THE BRIDGE WILL BE DESIGNED FOR BELOW MENTIONED IRC LOADING
(A) EACH TWO LANE BRIDGE SHALL BE DESIGNED FOR IRC CLASS "A" TWO LANE LOADS OR ONE LANE OF 70R WHEELED OR TRACKED VEHICLES, WHICH EVER IS SEVERE AND GOVERNING.
 - STEEL SHALL BE TMT BARS Fe-500 CONF. TO I.S. 1786.
 - CRASH BARRIER SHALL BE PROVIDED AS PER MOSRT&H STANDARD DRAWINGS.
 - BEARINGS = ELASTOMER / POT-PTFE IN OBLIGATORY SPAN
 - DRAINAGE SPOUT & WEARING COAT SHALL BE AS PER MOSRT&H STANDARD DRAWINGS SD-303.
 - DEPTH OF FOUNDATION SHALL BE PROVIDED AS PER DETAILED GEOTECHNICAL SURVEY, DESIGN REQUIREMENT AND IRC.
 - BRIDGE SHALL BE DESIGNED CONSIDERING LOCATION AS SEISMIC ZONE III.
 - CLEAR COVER TO MIAN REINFORCEMENT -
-75 MM FOR PILE/PILECAP/PIER.
-50 MM FOR OTHER COMPONENTS.
-40 MM FOR SUPER STRUCTURE.
 - RCC WEARING COAT OF 75 MM THK. (AVG. THK.) TO BE PROVIDED ON TOP OF DECK.
 - 600 TH. THE FILTER MEDIA SHALL BE PROVIDED BEHIND THE SURFACE OF RETAINING WALL AS PER IRC:78.
 - WEEP HOLES TO BE PROVIDED AT 1000 MM C/C IN RETAINING WALL IN STAGGERED MANNER

REV.	DATE	PARTICULARS
R2	12/03/16	REVISED AS PER INSTRUCTIONS OF SMC, SURAT.
R1	24/12/15	REVISED AS PER COMMENTS OF PROOF CONSULTANT, SHAH ASSOCIATES

THIS IS TO CERTIFY THAT,
1. EACH AND EVERY DESIGN CALCULATIONS OF THIS DRAWING AND CONCERN DRAWINGS ARE CHECKED AND VERIFIED BY ME.
2. DESIGN AND DRAWING IS DEVELOPED IN CONFORMITY WITH SCOPE OF WORK NARRATED IN TENDER AND SATISFIED ALL REQUIREMENT OF LATEST CODAL PROVISIONS.
3. DESIGN AND DRAWING IS CHECKED AND APPROVED BY ME HERewith AND CORRECT, SOUND AND ADEQUATE TO ADOPT FOR THE EXECUTION.

CONSULTANT: CASAD Consultants, PROOF CONSULTANT: SHAH ASSOCIATES

PROJECT: CONSTRUCTION OF FLYOVER BRIDGE AT PIYUSH COMPLEX (PANDESARA) CHAR RASTA JUNCTION AT UDHANA, SURAT

CLIENT: MUNICIPAL COMMISSIONER SURAT

CONTRACTOR: RANJIT BUILDCON LTD. AHMEDABAD.

CASAD CONSULTANTS: CIVIL, ARCHITECTURAL, STRUCTURAL, ANALYSIS, DESIGN. 101, DEV ASHISH, 14/B, JAIN SOCIETY, NR. PRITAM NAGAR AKHADA, OPP. KOCHIRAB ASHRAM, ELLISBRIDGE, AHMEDABAD-380 006. PH:- 079-26582151 EMAIL:- casadconsultants@gmail.com

TITLE: GENERAL ARRANGEMENT DRAWING

DRAWN BY	V.J.SHAH	CHECK BY	H.V.MOJIDRA
DESIGN BY	K.I.GAJJAR	APPROVED BY	J.B.GANDHI

PROJECT NO.	2015-11	DRG. NO.	SMC / PC / GAD	R2
DATE.	17-08-2015	SCALE	AS SHOWN	