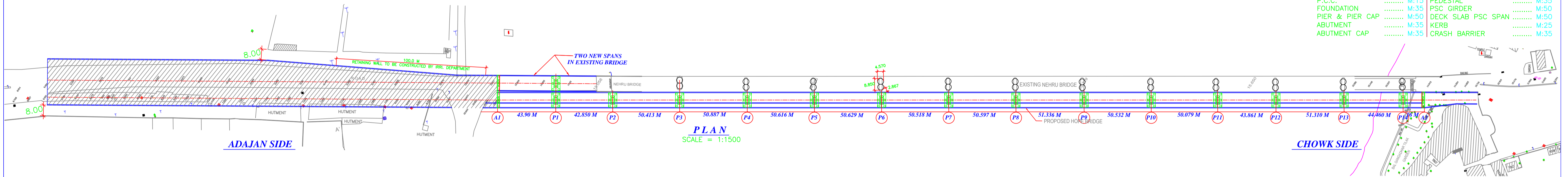
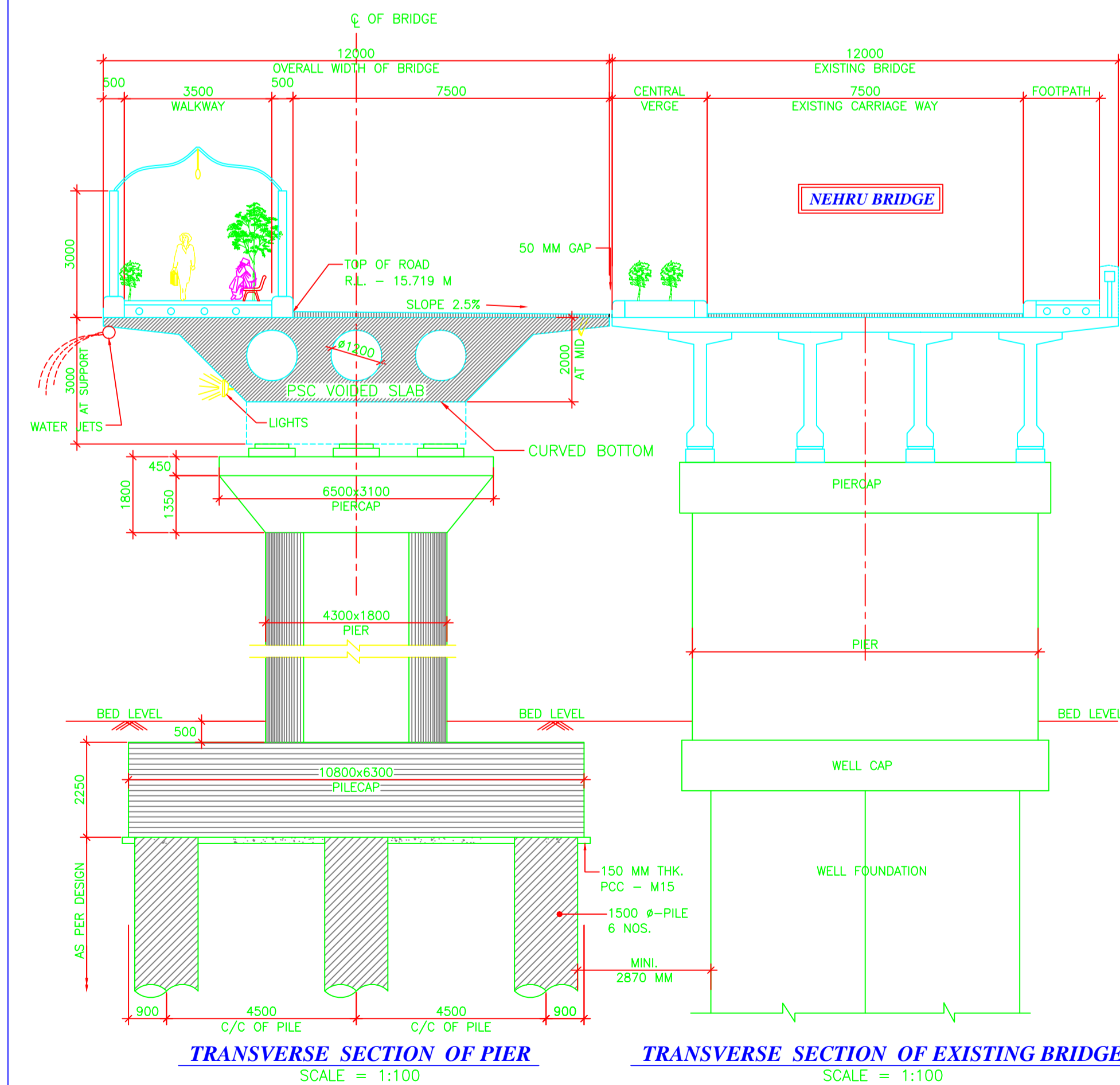


LONGITUDINAL SECTION
SCALE = HORI.-1:1500, VER.-375

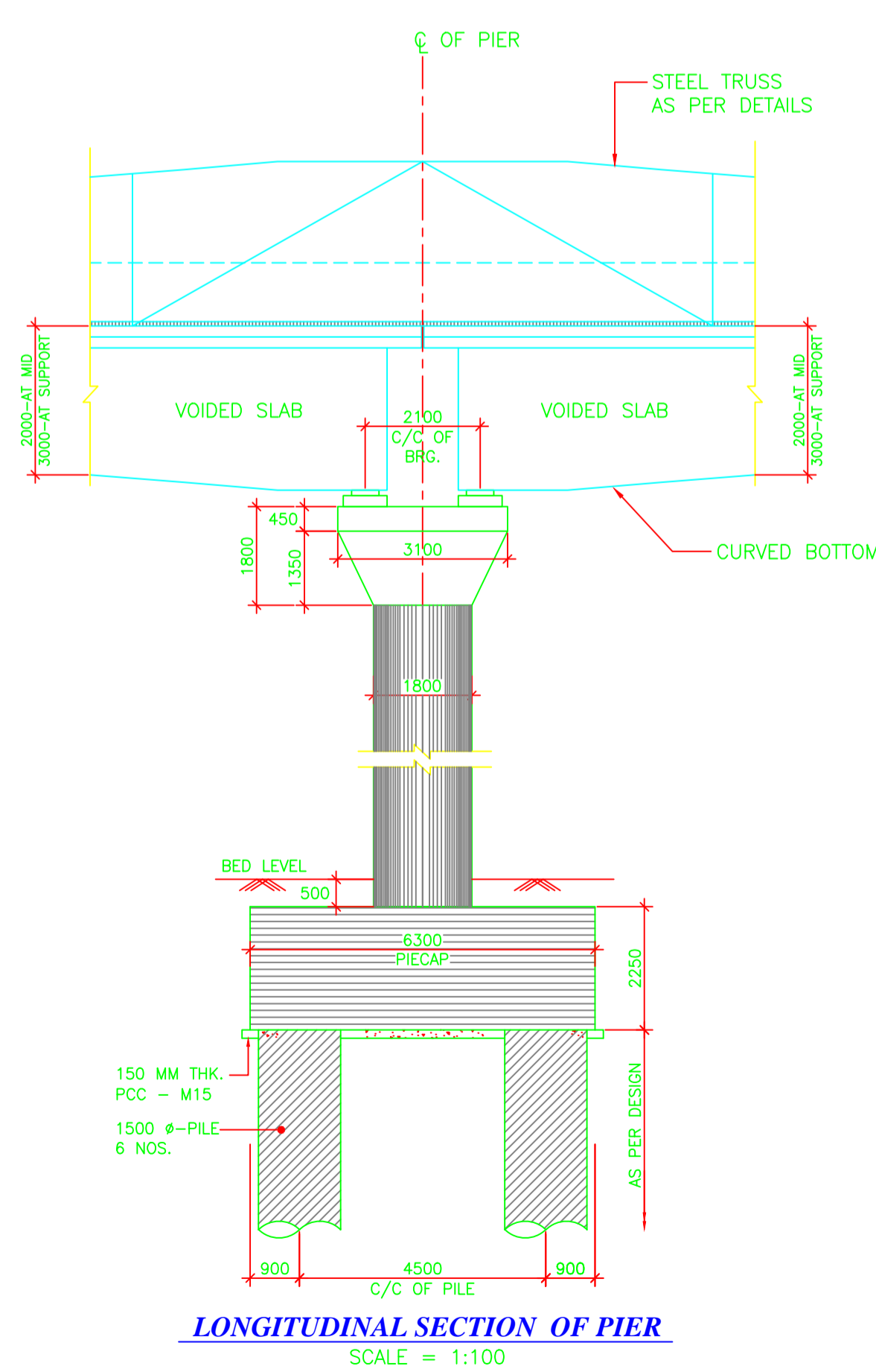


PLAN
SCALE = 1:1500

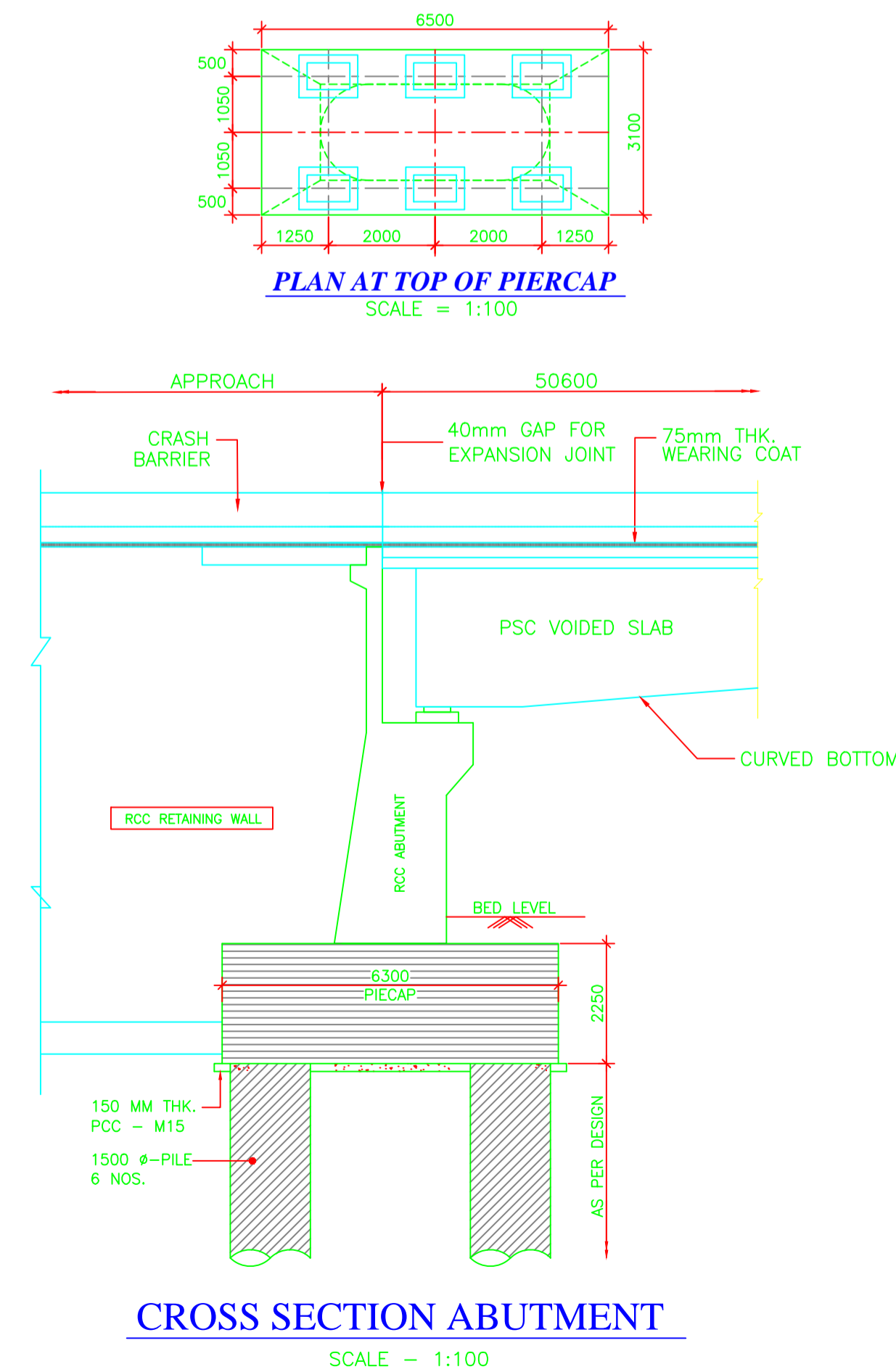


TRANSVERSE SECTION OF PIER
SCALE = 1:100

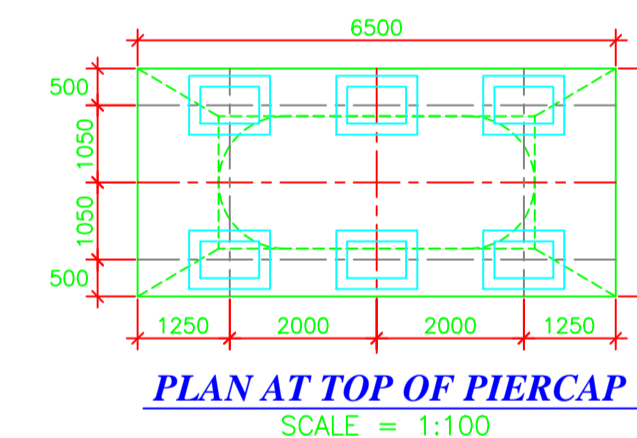
TRANSVERSE SECTION OF EXISTING BRIDGE
SCALE = 1:100



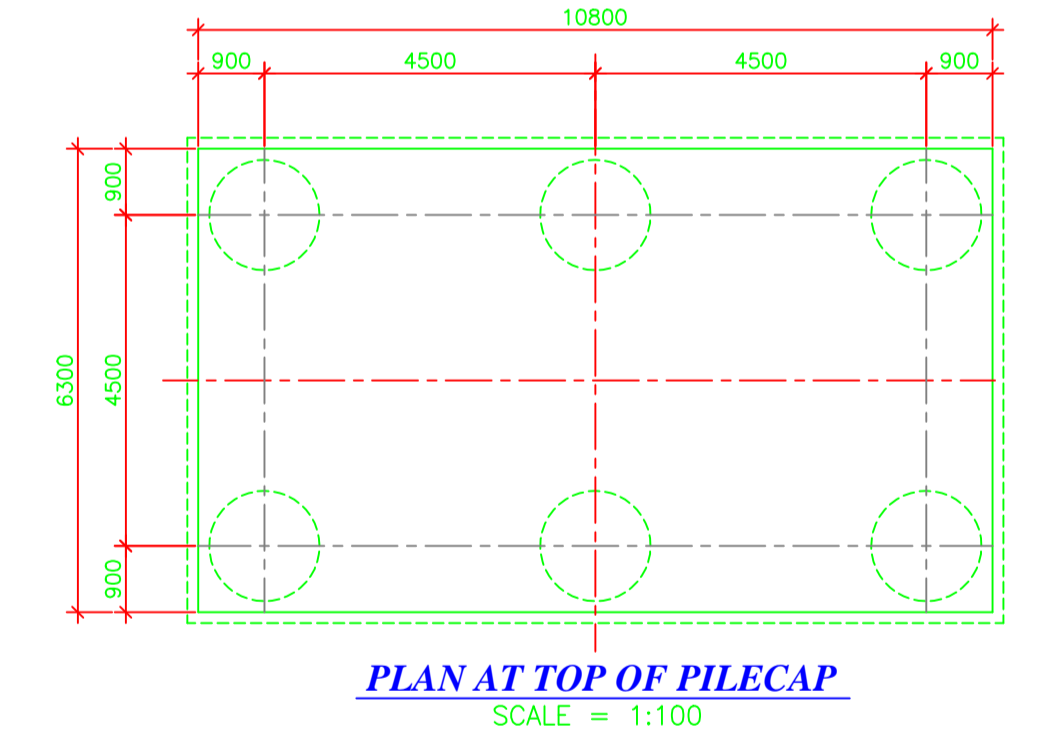
LONGITUDINAL SECTION OF PIER
SCALE = 1:100



CROSS SECTION ABUTMENT
SCALE = 1:100



PLAN AT TOP OF PIERCAP
SCALE = 1:100



PLAN AT TOP OF PILECAP
SCALE = 1:100

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/COMPRESSION 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.
- LEVELS ADOPTED FOR BRIDGE ARE AS PER TENDER DRAWINGS.
- STEEL USED SHALL BE TMT BARS CONFORMING TO I.S. 1786.
- CRASH BARRIER SHALL BE PROVIDED AS PER MOSRT&H STANDARD DRAWINGS.
- BEARINGS = POT-PTFE
- DRAINAGE SPOUT & WEARING COAT SHALL BE AS PER MOSRT&H STANDARD DRAWINGS SD-303.
- ALL R.C.C. WORKS SHALL CONFORM TO IRC-21 1987 ROAD BRIDGE SECTION III.
- DESIGN CRITERIA IRC-5 1985 SECTION 1 IRC-6 2000 SECTION II, IRC-21 1987 SECTION III.
- DEPTH OF FOUNDATION SHALL BE PROVIDED AS PER DETAILED GEOTECHNICAL SURVEY, DESIGN REQUIREMENT AND IRC -78-2000.
- BRIDGE SHALL BE DESIGNED CONSIDERING LOCATION AS SEISMIC ZONE III.
- CLEAR COVER TO MIAN REINFORCEMENT -
-75 MM FOR PILE/PIECAP.
-50 MM FOR OTHER COMPONENTS.
-40 MM FOR SUPER STRUCTURE.
- GRADE OF CONCRETE SHALL BE AS UNDER:
P.C.C. M:15 PEDESTAL M:35
FOUNDATION M:35 PSC GIRDER M:50
PIER & PIER CAP M:50 DECK SLAB PSC SPAN M:50
ABUTMENT M:35 KERB M:25
ABUTMENT CAP M:35 CRASH BARRIER M:35

R2	----	PROVIDED ADDITIONAL PIER P14, AS PER SITE CONDITION	
R1	29-11-12	REVISED AS PER COMMENTS OF SMC.	
REV.	DATE	PARTICULARS	
PROJECT: CONSTRUCTION OF TWO LANE BRIDGE WITH WALKWAY IN PLACE OF HOPE BRIDGE ON RIVER TAPI AT SURAT.			
CLIENT: SURAT MUNICIPAL CORPORATION SURAT.			
DRAWN BY	CONSULTANT:	DESIGNED BY	
KANAK	CASAD Consultants. MANIKYAM BUILDING, SARDAR PATEL NAGAR, OFF C.G. ROAD, ELLISBRIDGE, AHMEDABAD-380 006. PH: 26403907	J.B.G.	
DATE		CHECKED BY	
22-02-12		H.M.	
TITLE: GENERAL ARRANGEMENT DRAWING			
SCALE	PROJECT NO.	DRG. NO.	REVISION
AS SHOWN	2011-12/05	SMC/HB/GAD	R1