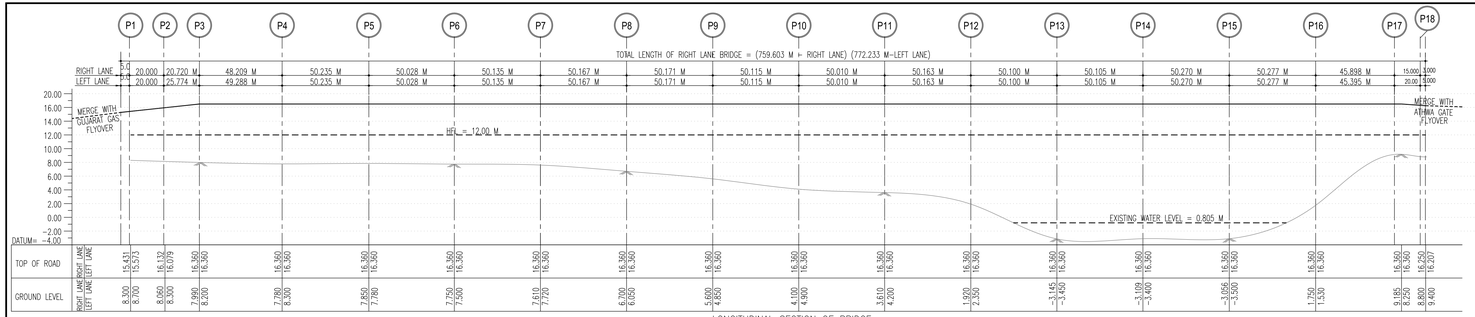
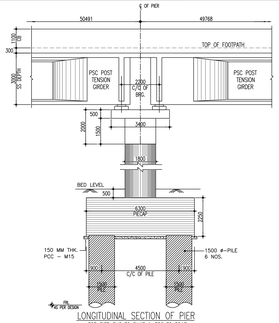
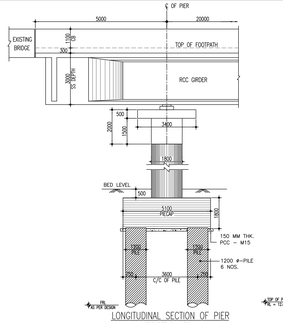


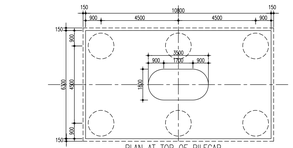
LONGITUDINAL SECTION OF BRIDGE
SCALE= HOR.=1:1000, VER.=1:250



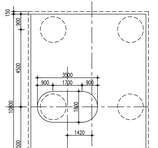
LONGITUDINAL SECTION OF PIER
FOR PIER PU8 TO PU17 & PD8 TO PD17
SCALE = 1:100



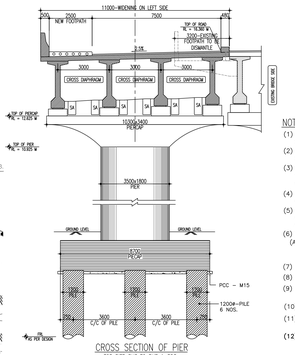
LONGITUDINAL SECTION OF PIER
FOR PIER PU1, PD1
SCALE = 1:100



PLAN AT TOP OF PILECAP
SCALE = 1:100



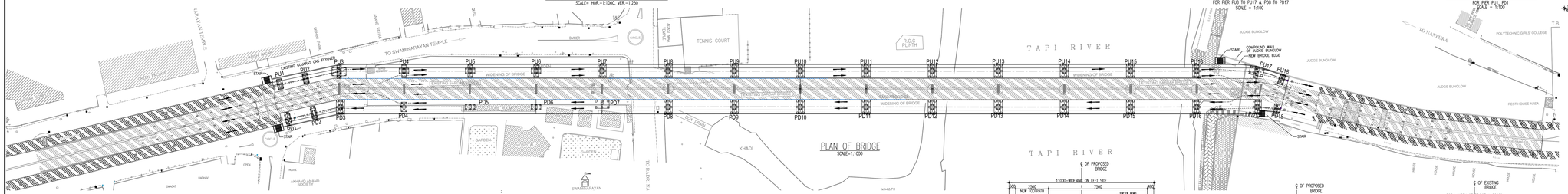
PLAN AT TOP OF PILECAP
FOR PIER PD7
SCALE = 1:100



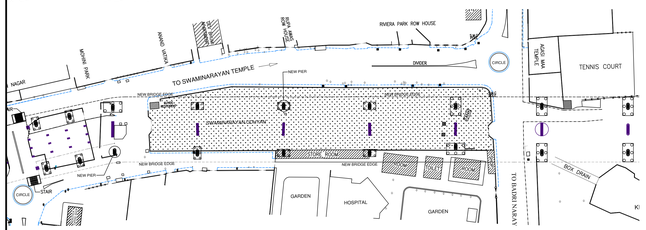
CROSS SECTION OF PIER
FOR PIER PU3 TO PU7 & PD3
SCALE = 1:100

NOTES:–

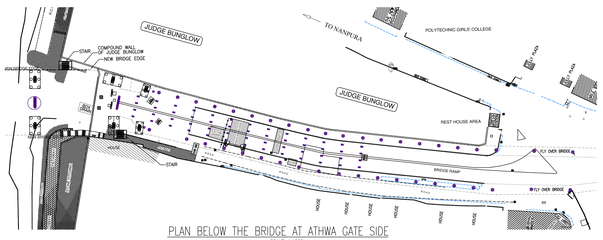
(1) ALL DIMENSIONS ARE IN MM & LEVELS ARE IN METRES UNLESS OTHERWISE MENTIONED IN THE DRAWING.
(2) NO DIMENSION SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
(3) STRUCTURAL DETAILS, DIMENSIONS & CONC. GRADES SHOWN IN THIS DRAWING ARE TENTATIVE AND ANY UNIT AND ITS DIMENSION WILL BE AS PER DETAILED DESIGN AND WORKING DRAWINGS.
(4) DESIGN SHALL BE AS PER LATEST RELEVANT CODE(S) OF IRC AND OTHER CODES AS APPROVED BY MOSRT&H.
(5) STRIP SEAL/COMPRESSION SEAL TYPE EXPANSION JOINTS OF APPROVED MOSRT&H MANUFACTURER SHALL BE PROVIDED IN DECK AT EXPANSION GAPS.
(6) 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.
(7) LEVELS ADOPTED FOR BRIDGE ARE AS PER TENDER DRAWINGS.
(8) STEEL USED SHALL BE TMT BARS Fe–550 CONF. TO I.S. 1786.
(9) CRASH BARRIER SHALL BE PROVIDED AS PER MOSRT&H STANDARD DRAWINGS.
(10) BEARINGS = POT–PTFE
(11) DRAINAGE SPOUT & WEARING COAT SHALL BE AS PER MOSRT&H STANDARD DRAWINGS SD–303.
(12) **DEPTH OF FOUNDATION SHALL BE PROVIDED AS PER DETAILED GEOTECHNICAL SURVEY , DESIGN REQUIREMENT AND IRC –78–2014.**
(13) BRIDGE SHALL BE DESIGNED CONSIDERING LOCATION AS SEISMIC ZONE III.
(14) ALL RCC/PSC WORK SHALL BE CONFIRM TO IRC:6–2014, IRC:112–2011, IRC:18–2000, IRC–78–2014, IRC:22–1986 WHICHEVER IS APPLICABLE.
(15) CLEAR COVER TO MAIN REINFORCEMENT –
  –75 MM FOR PILE/PILECAP/PIER.
  –50 MM FOR OTHER COMPONENTS.
  –40 MM FOR SUPER STRUCTURE.



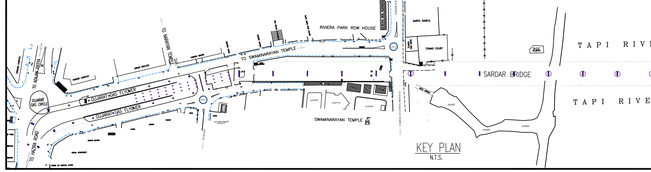
PLAN OF BRIDGE
SCALE=1:1000



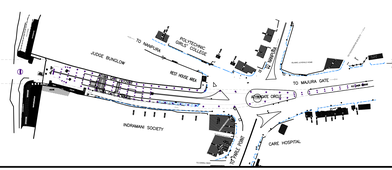
PLAN BELOW THE BRIDGE AT GUJARAT GAS CIRCLE SIDE
SCALE=1:1000

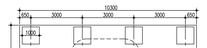


PLAN BELOW THE BRIDGE AT ATHWA GATE SIDE
SCALE=1:1000

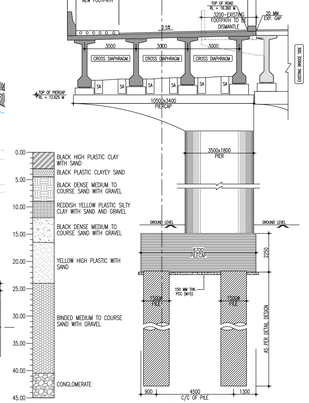


KEY PLAN
N.T.S.



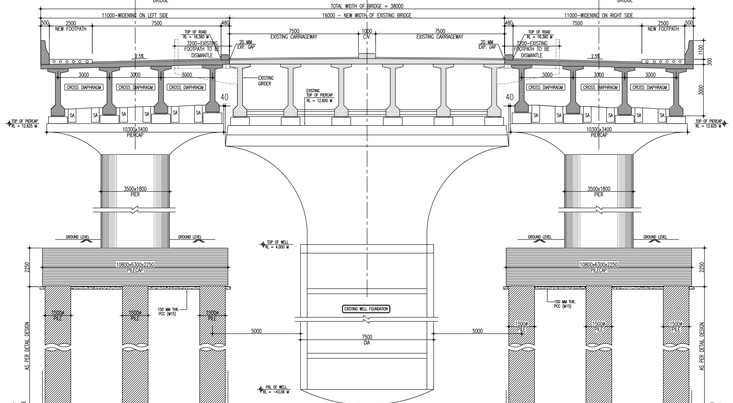


PLAN AT TOP OF PIERCAP
SCALE = 1:100



BORE HOLE DATE
NEAR P12

CROSS SECTION OF PIER
FOR PER PD4, PD5, PD6, PD7
SCALE = 1:100



CROSS SECTION OF PIER
FOR PER PU8 TO PU17 & PD8 TO PD17
SCALE = 1:100

REV.	DATE	PARTICULARS
R1	01/04/16	REVISED AS PER SITE CONDITON.

PROJECT :
WIDENING ON BOTHSIDE OF SARDAR VALLABHBHAI PATEL RIVER BRIDGE JOINING ATHWA-ADAJAN IN SURAT.

ORGANIZATION :
SURAT MUNICIPAL CORPORATION
BRIDGE CELL, SURAT

CONTRACTOR :
UNIQUE CONSTRUCTION CO.
SURAT

CASAD CONSULTANTS
• CIVIL • ARCHITECTURAL • STRUCTURAL • ANALYSIS • DESIGN
101, DEV ASHISH, 14/B, JAIN SOCIETY, NR. PRITAM NAGAR AKHADA, OPP. KOCHRAB ASHRAM, ELLISBRIDGE,AHMEDABAD-380 006.
PH.:- 079-26562151
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.	2015-04	DRG. NO.	SMC / SB / GAD
DATE.	06-11-15	SCALE	AS SHOWN

R0