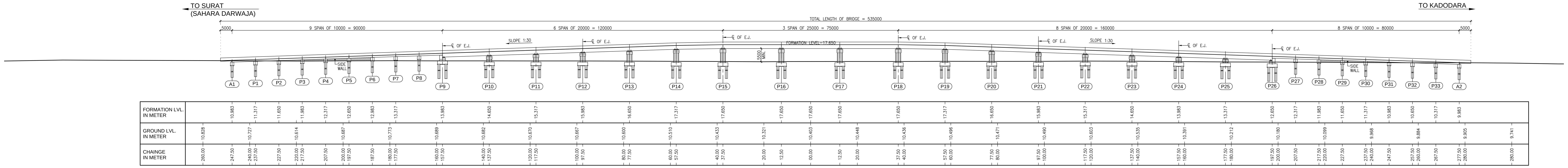


## LONGITUDINAL SECTION

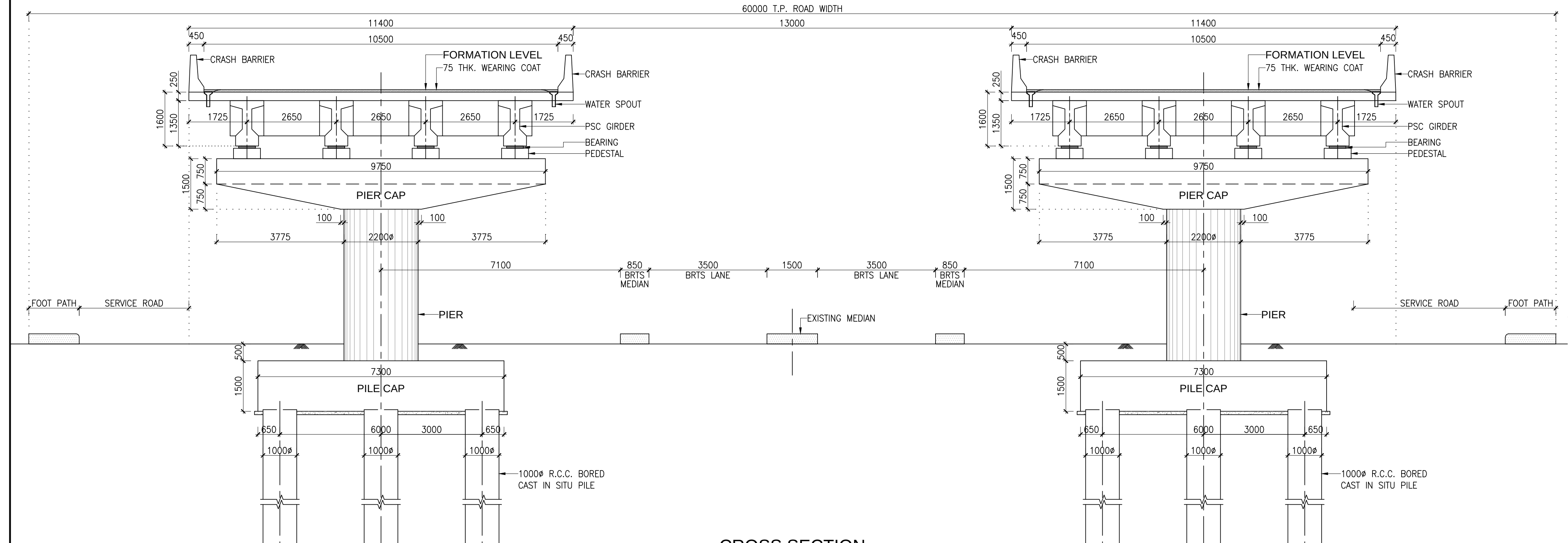
## NOTES:-

1. ALL DIMENSIONS ARE IN mm AND LEVELS ARE IN METER. UNLESS OTHERWISE STATED IN DRAWING.
2. NO DIMENSIONS SHALL BE SCALED FROM THIS DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. STRUCTURAL DETAILS AND DIMENSIONS SHOWN THIS DRAWING ARE TENTATIVE AND ANY UNIT AND ITS DIMENSIONS WILL BE AS PER DETAIL DESIGN AND DRAWING APPROVED BY THE RAILWAY.
4. DESIGN SHALL BE AS PER LATEST RELEVANT CODE OF IRC AND OTHER CODES AS APPROVED BY MOST.
5. THE BRIDGE WILL BE DESIGNED FOR BELOW MENTIONED IRC CLASS LOADING:
   (A) ELEVATED ROAD SHALL BE DESIGNED FOR IRC CLASS A THREE LANE LOADS OR SINGLE LANE OF 70R WHEELED PLUS SINGLE LANE OF CLASS A VEHICLES, WHICHEVER IS SEVERE AND GOVERNING.
6. MIN. GRADE OF CONCRETE

| | | | |
|---|---|---|---|
| P.C.C. | M:15 | PEDESTAL | M:35 |
| FOUNDATION/PIER & CAP | M:35 | CRASH BARRIER | M:40 |
| PSC GIRDER | M:45 | R.C.C. RETAINING WALL | M:35 |
| DECK SLAB/DIAPHARAGM | M:45 | | |

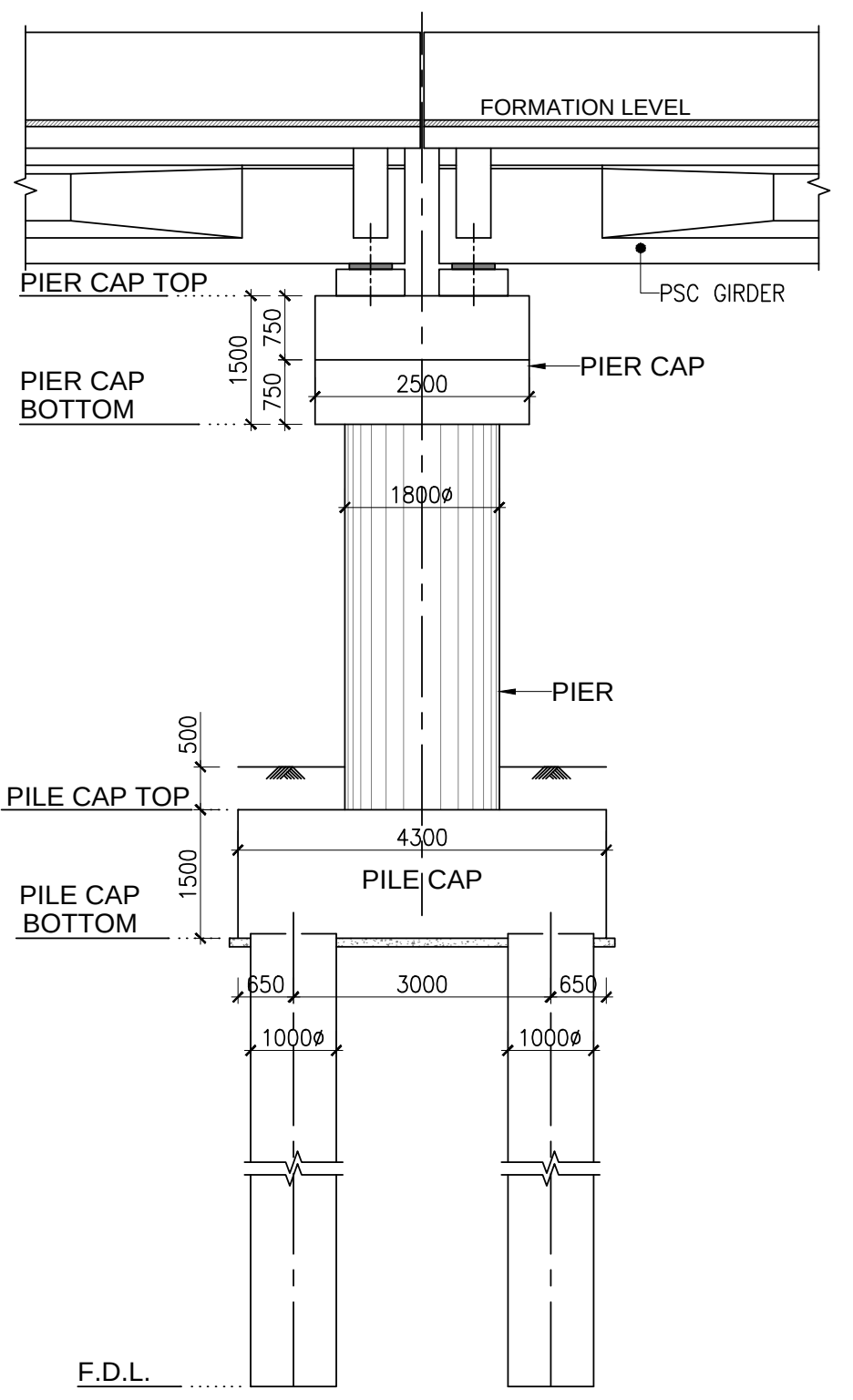
7. REINFORCEMENT STEEL SHALL BE H.Y.S.D.
8. PRESTRESS STEEL SHALL BE HTS STRAND (LOW RELAXATION).
9. STRIP SEAL TYPE EXPANSION JOINT OF APPROVED QUALITY AS PER MOST SPECIFICATION TO BE PROVIDED IN DECK.
10. DRAINAGE SPOUT AND WEARING COAT SHALL BE AS PER MOST SPECIFICATIONS.
11. ELASTOMERIC/POT PTFE BEARING SHALL CONFORM TO IRC:83.
12. THE DEPTH OF FOUNDATION SHOWN IN DRAWING IS TENTATIVE. DETAILED DESIGN SHALL BE DONE AS PER SOIL EXPLORATION REPORT.

## PLAN



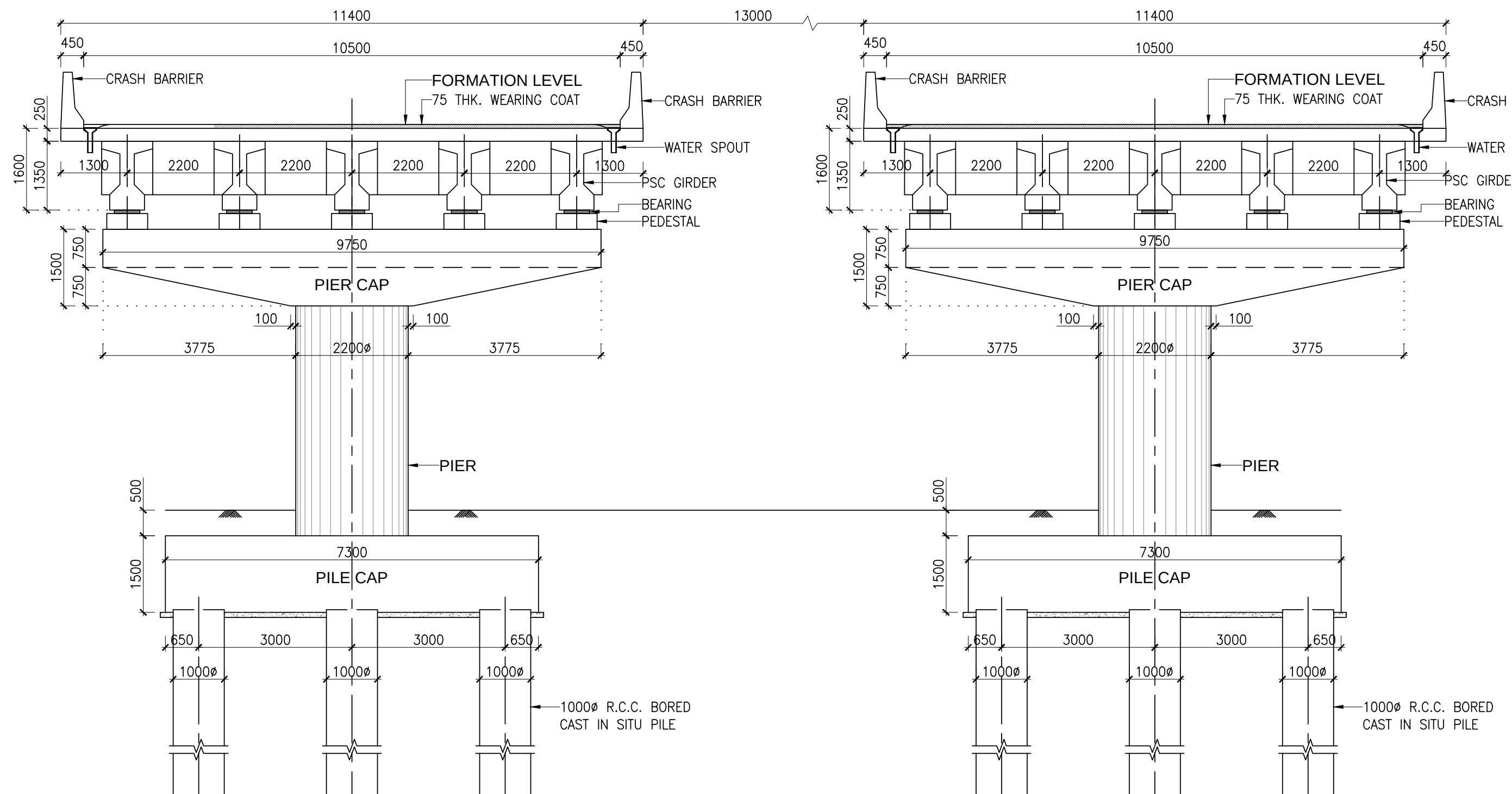
## CROSS SECTION
(FOR 20.00 m SPAN )

SCALE 1:75



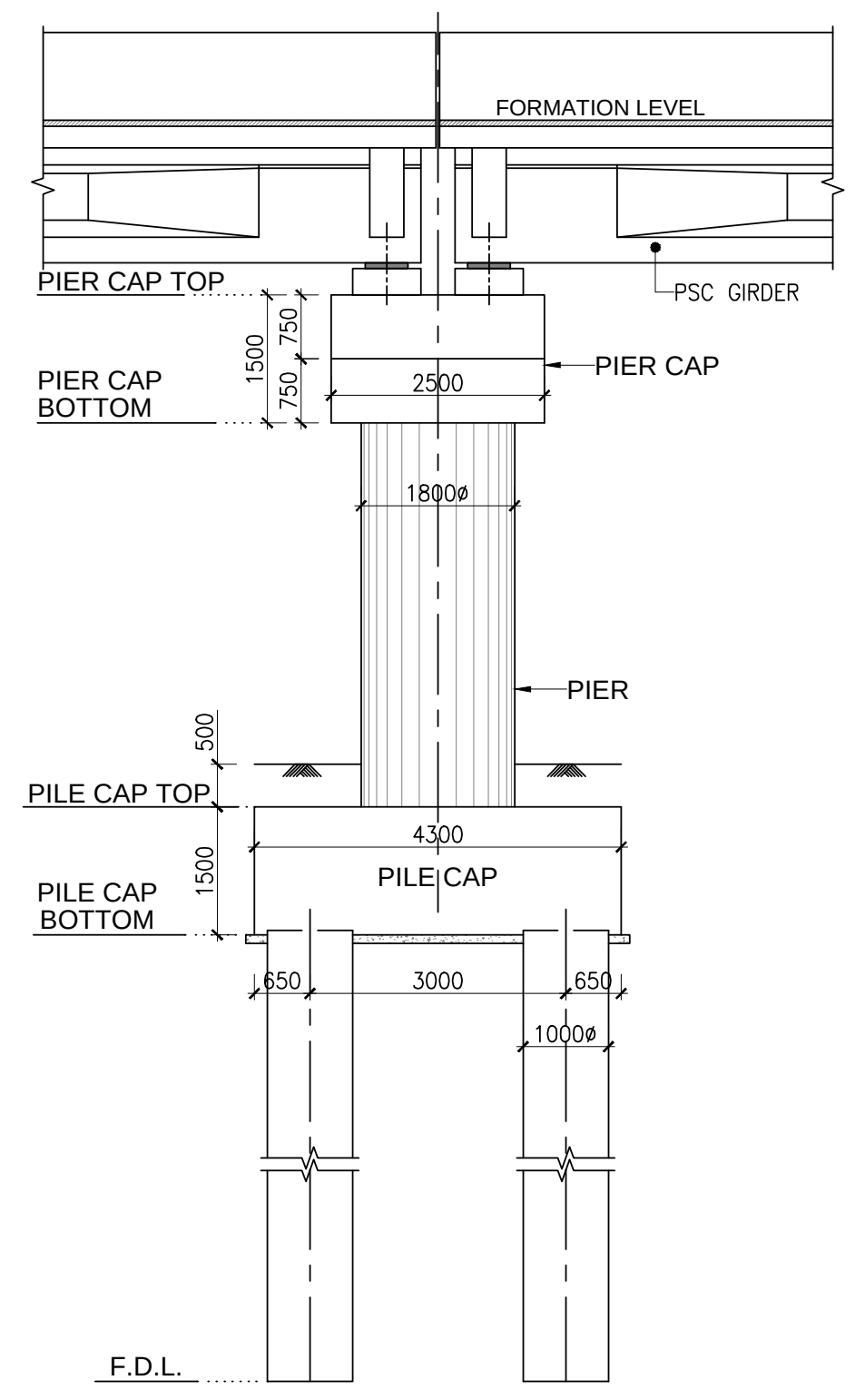
## LONGITUDINAL SECTION
(FOR 20.00 m SPAN)

SCALE 1:75



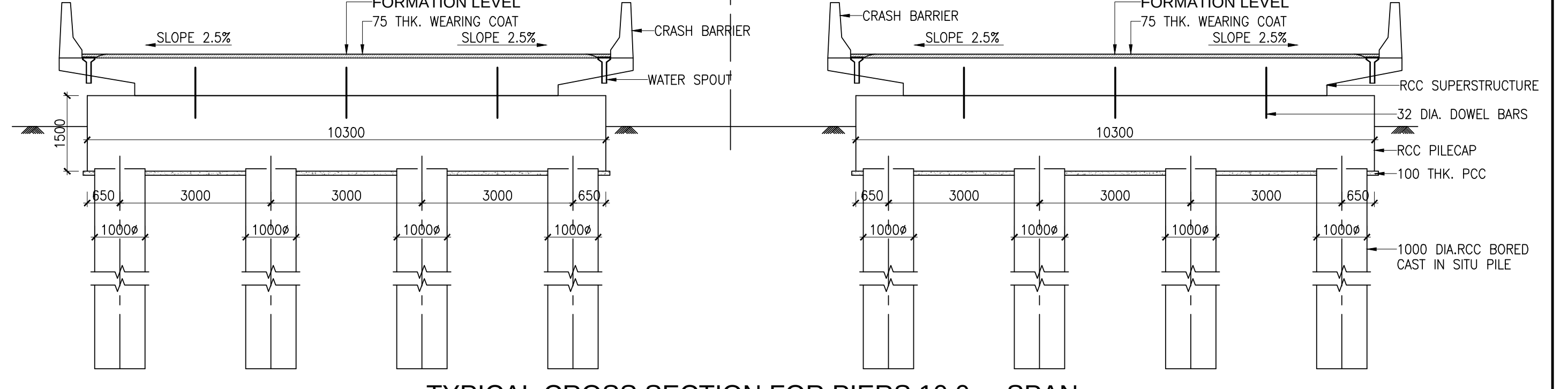
## CROSS SECTION
(FOR 25.00 m SPAN )

SCALE 1:75



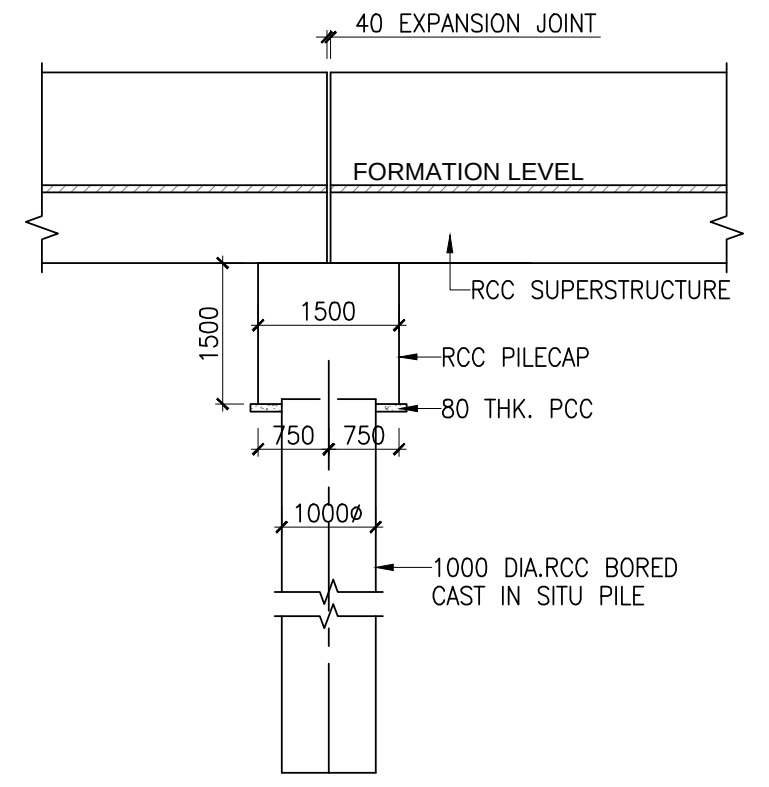
## LONGITUDINAL SECTION
(FOR 25.00 m SPAN)

SCALE 1:75



## TYPICAL CROSS SECTION FOR PIERS 10.0 m SPAN

SCALE 1:75



## SECTIONAL ELEVATION

SCALE 1:75

| NO. | DATE | REVISION |
|---|---|---|
| | | |

PROJECT:– CONSTRUCTION OF FLY OVER BRIDGE AT PUNA JUNCTION ON MIDDLE RING ROAD, SURAT

CLIENT:– **SURAT MUNICIPAL CORPORATION**
SURAT

CONSULTANT:– **SHAH ASSOCIATES**
1005, 10TH FLOOR, SAKAR–V, B/H. NATRAJ CINEMA,
OFF. ASHRAM ROAD, AHMEDABAD: 380009.
PHONE NO. 079–26585785, 098250 11314

TITLE:– GENERAL ARRANGEMENT DRAWING

| | | | | |
|---|---|---|---|---|
| DRAWN BY : | K. C. KOSHTI | DESIGN BY: D. H. SHAH | | |
| CHECKED BY : | D. H. SHAH | PROJ. NO. | DRG. NO. | REVISION |
| SCALE :– | AS SHOWN | –– | 01 | R0 |
| DATE : – | APRIL–2016 | | | |