



#### NOTES :

- ALL DIMENSIONS ARE IN MILLIMETERS, LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- NO DIMENSIONS ARE TO BE SCALED FROM THE DRAWING (ONLY WRITTEN DIMENSIONS TO BE USED).
- PROVIDE SUFFICIENT STRENGTH TO ALL THE DIMENSIONS AND LEVELS AT SITE BEFORE EXECUTION OF WORK IN THE FIELD.
- RCC BOX AND STRUCTURE DETAILS ARE AS PER RDSO DRAWING NUMBER: RDSO/B-10152/R & RDSO/B-10152/AR.
- AS A PRECAUTIONARY MEASURE PROPER DROP WALL WITH BOULDER PITCHING FOR MASS CONCRETE CC M-15 AND FOR RCC M-30 WILL BE USED EXCEPT OTHERWISE MENTIONED. ALL CONCRETING SHALL BE DONE CONFORMING TO IRS CONCRETE BRIDGE CODE.
- ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE (FE-415) CONFORMING TO IS: 1786.
- THE BACKFILL BEHIND RCC BOX, WING WALL AND RETURN WALL SHOULD BE AS PER CLAUSE 7.5 OF IRS BRIDGE SUB-STRUCTURE AND FOUNDATION CODE WITH UP TO DATE ALL CORRECTION SLIPS.
- CIRCULAR WEEP HOLES OF 10 MM PVC PIPE SHALL BE PROVIDED IN THE WING WALL AND RETURN WALL ABOVE HFL AT INTERVALS OF 1000MM HORIZONTALLY AND VERTICALLY IN A STAGGERED POSITION.
- THE MAXIMUM DESIGN FOUNDATION PRESSURE IS 13.05 T/m<sup>2</sup> SITE ENGINEER SHOULD GET THE SOIL BOREHOLE AND BEARING CAPACITY TESTED AND REPORTED TO THE ENGINEER.
- ORDINARY PORTLAND CEMENT (OPC) GRADE 43 / 53 CONFIRMING STRENGTH SHALL BE TAKEN IN CASE OF LOWER BEARING CAPACITY OR BAD SOIL ONLY ONE TYPE OF CEMENT AND STEEL SHALL BE USED ON A PARTICULAR BRIDGE AND BRAND OF CEMENT AND STEEL SHOULD BE APPROVED BY SITE ENGINEER.
- THE LOCATION AND PROVISION OF CONSTRUCTION JOINTS SHALL BE DECIDED BY THE SITE ENGINEER. CONSTRUCTION JOINTS SHALL BE TESTED AS PER THE RELEVANT SPECIFICATION.
- CONCRETE SHALL BE PRODUCED IN MECHANICAL MIXTURE OF CAPACITY NOT LESS THAN 200 LITERS HAVING INTEGRAL WEIGH BATCHING FACILITY AND AUTOMATIC WATER MEASURING AND DISPENSING.
- PROPER COMPACTION OF CONCRETE SHALL BE ENSURED BY USE FORM AND/ OR NEEDLE VIBRATORS.
- SHARP EDGES OF CONCRETE SHALL BE CHAMFERED.
- WING/RETURN WALL AS PER CE/CON PLAN NO-H/14/02-11.
- THIS BRIDGE LIES IN SEISMIC ZONE-IV.
- DROP WALL/ CURTAIN WALL AS PER DESIGN.
- PROVISION OF INSPECTION STAIRCASE SHOULD BE MADE ON SITE.
- A MINIMUM DEPTH BELOW FLOOR LEVEL OF CURTAIN WALL SHOULD BE 2.0M ON UPSTREAM SIDE AND 2.5M ON DOWNSTREAM SIDE AS PER IRC 83 AND 84 AND 86 AND 87 AND 88 AND 89 AND 90 AND 91 AND 92 AND 93 AND 94 AND 95 AND 96 AND 97 AND 98 AND 99 AND 100 AND 101 AND 102 AND 103 AND 104 AND 105 AND 106 AND 107 AND 108 AND 109 AND 110 AND 111 AND 112 AND 113 AND 114 AND 115 AND 116 AND 117 AND 118 AND 119 AND 120 AND 121 AND 122 AND 123 AND 124 AND 125 AND 126 AND 127 AND 128 AND 129 AND 130 AND 131 AND 132 AND 133 AND 134 AND 135 AND 136 AND 137 AND 138 AND 139 AND 140 AND 141 AND 142 AND 143 AND 144 AND 145 AND 146 AND 147 AND 148 AND 149 AND 150 AND 151 AND 152 AND 153 AND 154 AND 155 AND 156 AND 157 AND 158 AND 159 AND 160 AND 161 AND 162 AND 163 AND 164 AND 165 AND 166 AND 167 AND 168 AND 169 AND 170 AND 171 AND 172 AND 173 AND 174 AND 175 AND 176 AND 177 AND 178 AND 179 AND 180 AND 181 AND 182 AND 183 AND 184 AND 185 AND 186 AND 187 AND 188 AND 189 AND 190 AND 191 AND 192 AND 193 AND 194 AND 195 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