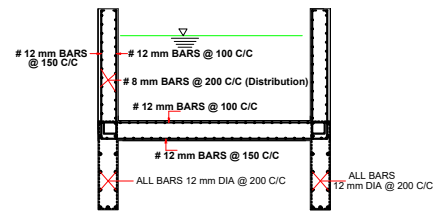
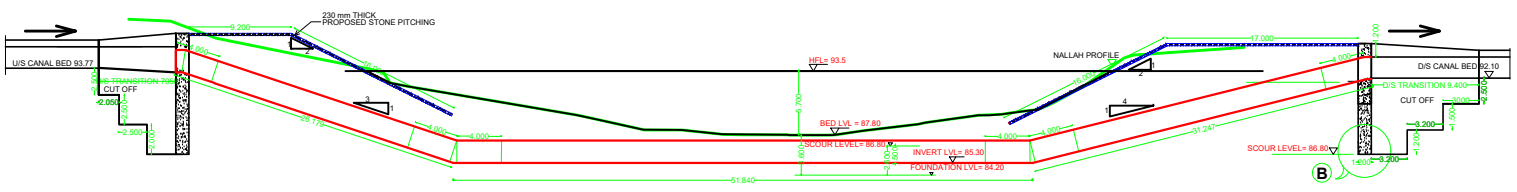


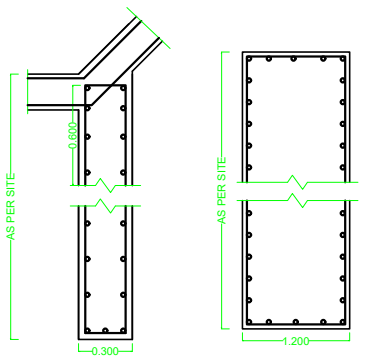
REINFD. CONC. SECTION 1 - 1
4 - 4



REINFD. CONC. SECTION 2 - 2
(ALL TRANSITION) 3 - 3

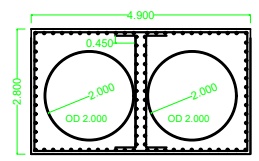


L- SECTION ALONG SYPHON
SHEAR REINFORCEMENT AT 4.00 M ON EITHER SIDE OF PIPE JOINT

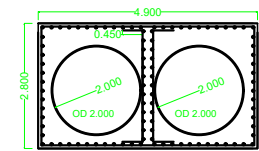


DETAIL AT A
TRANSITION CUT-OFF
ALL BARS 12 mm DIA @ 200 C/C

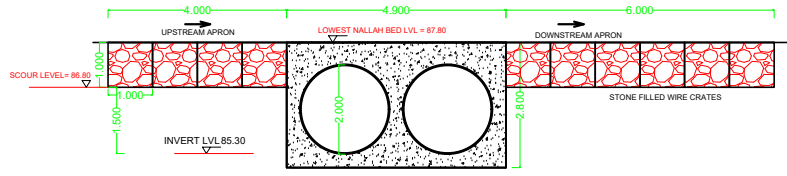
DETAIL AT B
PIPE END CUT-OFF
ALL BARS 12 mm DIA @ 100 C/C



ENCASING REINFORCEMENT
TYPICAL SECTION
ALL BARS 12 mm DIA @ 200 C/C



ENCASING REINFORCEMENT
SHEAR ZONE (4.00 M ON EITHER SIDE OF PIPE JOINT)
ALL BARS 12 mm DIA @ 100 C/C



FLEXIBLE APRON

- NOTES:**
1. ALL DIMENSIONS ARE IN "M" UNLESS OTHERWISE SPECIFIED. REINFORCEMENT DIA. & SPACING IN "MM".
 2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH OTHER ALL OTHER RELATED DRAWINGS. ANY DISCREPANCY BETWEEN THE DRAWINGS SHALL BE RECONCILED BEFORE EXECUTION.
 3. DULY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED, NOR THE DIMENSIONS SCALED FROM DRAWINGS.
 4. WATER FOR CONSTRUCTION PURPOSE SHALL CONFORM TO RELEVANT CLAUSES OF IS:456-2000.
 5. REINFORCED CEMENT CONCRETE SHALL BE DESIGN MIX M-30, CONFORMING TO IS:456-2000. STONE AGGREGATE SHALL BE 20 MM NOMINAL SIZE.
 6. PLAIN CEMENT CONCRETE SHALL BE NOMINAL MIX CONCRETE 1:2:4.
 7. STEEL REINFORCEMENT SHALL BE OF TMT TYPE CONFORMING TO IS:1786 AND HAVING MINIMUM YIELD STRENGTH OF 500D N/SQMM.
 8. LAP LENGTH/ DEVELOPMENT LENGTH FOR REINFORCEMENT BARS AS PER IS:456-2000 SHALL BE 47xDIA. OF BARS FOR M-30 CONCRETE. LAPS SHALL BE STAGGERED AT THE POINT OF MAXIMUM BENDING MOMENT.
 9. CLEAR COVER TO BARS:
FOUNDATIONS - 50 MM
 10. NOT MORE THAN 50% BARS SHALL BE SPICED AT ONE SECTION.
 11. REINFORCEMENT DETAILING SHALL BE AS PER IS:13920.
 12. CONSTRUCTION JOINTS SHALL BE MADE VERTICAL BY PROPER TEMPLATE WITH SLOTS FOR ACCOMMODATING REINFORCEMENT BARS. THE JOINTS SHALL BE TREATED IN ACCORDANCE WITH IS:11817.
 13. THE CONSTRUCTION JOINTS SHALL BE PLANNED AND APPROVED BY THE ENGINEER IN CHARGE.
 14. SAFE BEARING CAPACITY ADOPTED IS 25.00 TONS/SQM.
 15. THE STRUCTURE IS DESIGNED AS PER IS:3370 AS WATER RETAINING STRUCTURE.

REVISION:			
SL.	REV. NO.	DATE	DESCRIPTION
1.	01		

PROJECT
RECONSTRUCTION OF BALOLE SYPHON OF MAIN RANBIR CANAL AT R.D. 34400 M NEAR VILLAGE DHRAP.

CLIENTS
JAL SHKTI DEPARTMENT, I&FC DIVISION-1, JAMMU.

AGENCY
P & R GROUP

SHEET TITLE
REINFORCEMENT DETAILS

SHEET NO.
BS/RFT/04