

TYPICAL CROSS SECTION OF RCC SINGLE CELL BOX CULVERT

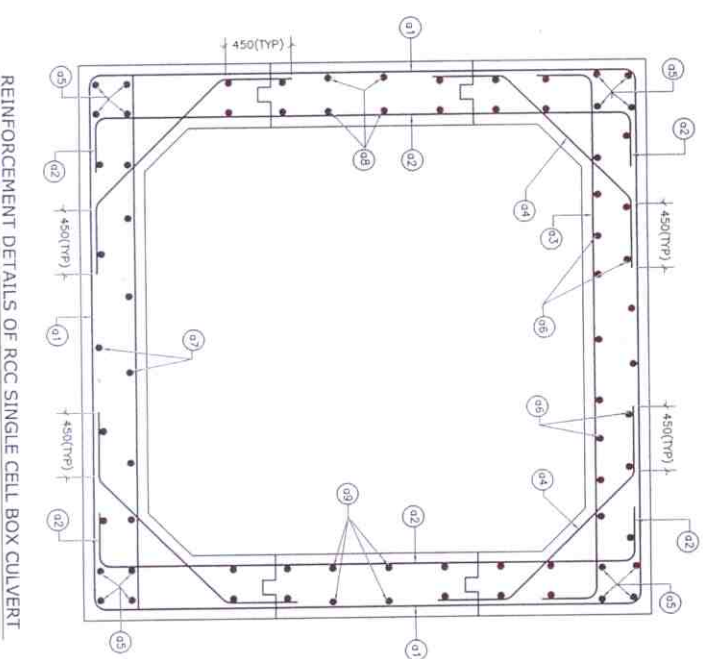
SECTION AT A-A

SCHEDULE OF DIMENSIONS :-

S. NO.	B (mm)	H (mm)	T1 (mm)	T2 (mm)	T3 (mm)	H1 (mm)	H2 (mm)
1.	1000	1000	125	125	125	150	150

SCHEDULE OF REINFORCEMENT :-

BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1	[Diagram]	#10	180 C/C
a2	[Diagram]	#8	180 C/C
a3	[Diagram]	#10	180 C/C
a4	[Diagram]	#8	180 C/C
a5	[Diagram]	#8	4-NOS.
a6	[Diagram]	#8	200 C/C
a7	[Diagram]	#8	200 C/C
a8	[Diagram]	#8	200 C/C
a9	[Diagram]	#8	200 C/C



REINFORCEMENT DETAILS OF RCC SINGLE CELL BOX CULVERT

GENERAL NOTES:-

- (1) ALL DIMENSION ARE IN MILLIMETERS.
- (2) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHERS RELEVANT DRAWINGS.
- (3) MINIMUM CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 25MM.
- (4) MINIMUM LAP LENGTH OF REINFORCEMENT SHALL BE KEPT AS 36D WHERE D IS THE DIAMETER OF THE BAR. NOT MORE THAN 50% BARS SHALL BE LAPPED AT ANY ONE LOCATION.
- (5) LINK SHOULD GO ROUND MAIN BAR AND CONTINUE AROUND BARREL.
- (6) LINK SHOULD BE STARTED AT DISTANCE OF HALF THEIR SPACING FROM THE FACE OF SUPPORT.
- (7) MAXIMUM SIZE OF AGGREGATE TO BE USED IN RCC IS 20MM.
- (8) GRADE OF CONCRETE IS M-40.
- (9) ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORSED BARS OF GRADE Fe 415 CONFORMING TO IS : 1786-1985 WITH A MINIMUM YIELD STRENGTH OF 415 N/SM².
- (10) JOINT OR LAPPING OF BARS SHALL BE SUITABLY STAGGERED AS PER CLAUSE 304.6 OF IRC:31-1987.
- (11) FULL SCALE ELEVATION FOR BARS SHALL BE LINED OUT ON A PLAN PLASTERED FLOOR TO THE DIMENSIONS SHOWN ON THE DRAWING SO AS TO GET CORRECT CLEARANCE BETWEEN DIFFERENT BARS AND THAN THE BARS SHALL BE BENT TO PROPER SHAPE.

CLIENT:-

CHANDRA SPUN PIPE CO.
LADPURA ROAD, BEHIND SHREE GUTKA
FARM HOUSE, GAGWANNA, DIST. AJMER

PROJECT:-

BOX CULVERT

STRUCTURAL CONSULTANT:-

AGRAWAL ASSOCIATES
AN ISO 9001 : 2008 CERTIFIED COMPANY
56, VIJAY NAGAR, D-BLOCK,
MALVIYA NAGAR, JAIPUR-320017
PHONE : 01412724105
E-MAIL : agr_asso@vsnl.co.in

DRAWING TITLE:-

DETAILS OF PRECAST CEMENT CONCRETE
SINGLE CELL BOX CULVERT OF
1000MM X 1000MM (INTERNAL DIMENSIONS)

SCALE:- N.T.S. DATE:- 26-12-2010

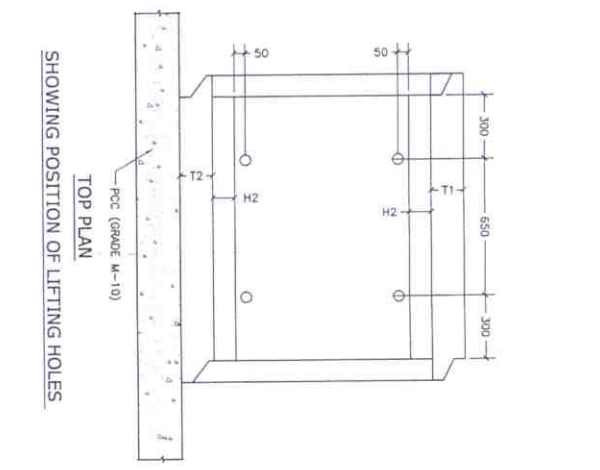
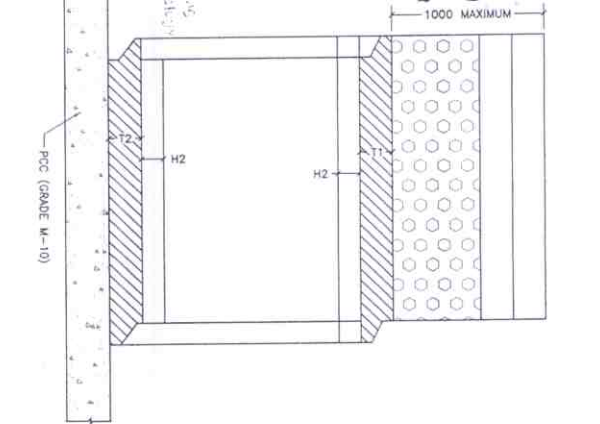
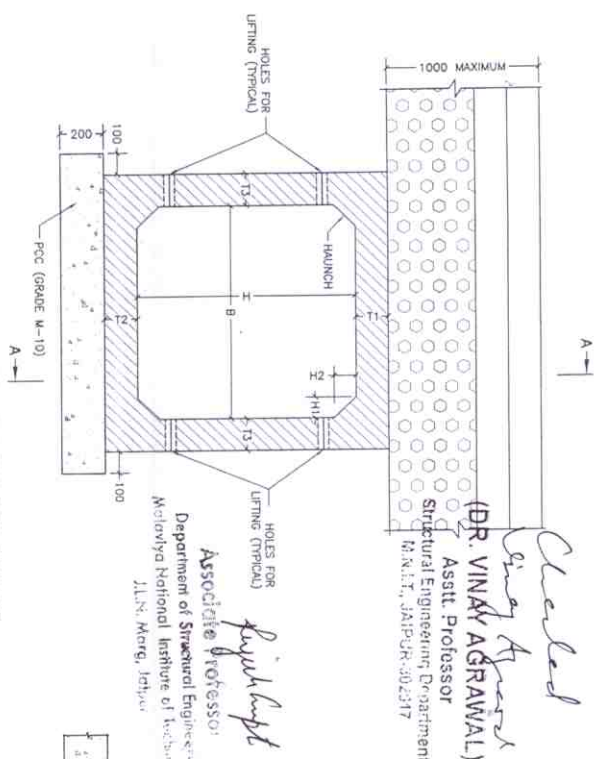
DRG. NO. = AS/CSRP/03

Checked

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TYPICAL CROSS SECTION OF RCC SINGLE CELL BOX CULVERT

SECTION AT A-A

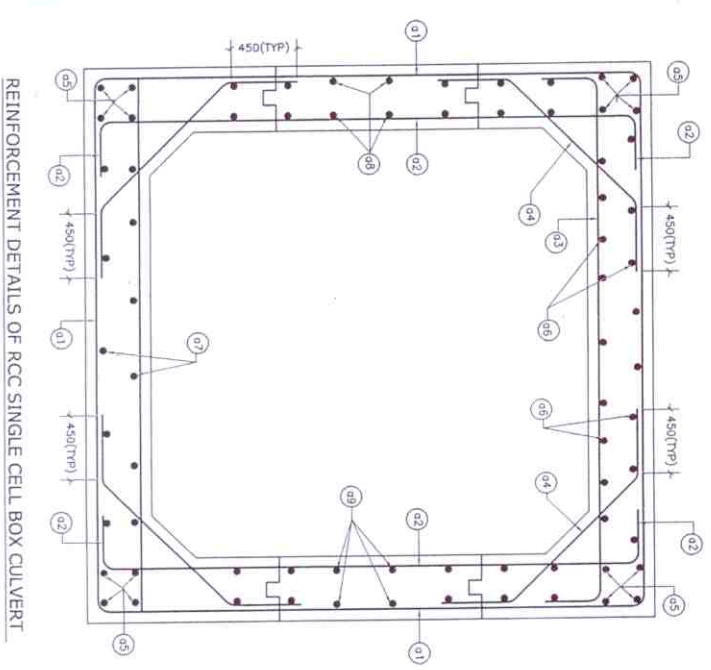
SCHEDULE OF DIMENSIONS :-

S. NO.	B (mm)	H (mm)	T1 (mm)	T2 (mm)	T3 (mm)	H1 (mm)	H2 (mm)
1.	1500	1500	190	190	190	200	200

SCHEDULE OF REINFORCEMENT :-

BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1	[Diagram]	#10	150 C/C
a2	[Diagram]	#8	150 C/C
a3	[Diagram]	#10	150 C/C
a4	[Diagram]	#8	150 C/C
a5	[Diagram]	#8	4-NOS.
a6	[Diagram]	#8	130 C/C
a7	[Diagram]	#8	130 C/C
a8	[Diagram]	#8	130 C/C
a9	[Diagram]	#8	130 C/C

FOR SINGLE CELL BOX CULVERT 1500X1500 (INTERNAL DIMENSIONS)



REINFORCEMENT DETAILS OF RCC SINGLE CELL BOX CULVERT

GENERAL NOTES:-

- ALL DIMENSION ARE IN MILLIMETERS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHERS RELEVANT DRAWINGS.
- MINIMUM CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 30MM.
- MINIMUM LAP LENGTH OF REINFORCEMENT SHALL BE KEPT AS 36D WHERE D IS THE DIAMETER OF THE BAR. NOT MORE THAN 50% BARS SHALL BE LAPPED AT ANY ONE LOCATION.
- LINK SHOULD GO ROUND MAIN BAR AND CONTINUE ALONG BARREL.
- LINK SHOULD BE STARTED AT DISTANCE OF HALF THEIR SPACING FROM THE FACE OF SUPPORT.
- MAXIMUM SIZE OF AGGREGATE TO BE USED IN RCC IS 20MM.
- GRADE OF CONCRETE IS M-40
- ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fy 415 CONFORMING TO IS : 1786-1985 WITH A MINIMUM YIELD STRENGTH OF 415 N/SQMM.
- JOINT OR LAPPING OF BARS SHALL BE SUITABLY STAGGERED AS PER CLAUSE 304.6 OF IS:21-1987 OR A PLAN PLASTERED FLOOR TO THE DIMENSIONS SHOWN ON THE DRAWING SO AS TO GET CORRECT CLEARANCE BETWEEN REINFORCEMENT BARS AND THAT THE BARS SHALL BE BENT TO PROPER SHAPE.

CLIENT:-

CHANDRA SPUN PIPE CO.
LADPURA ROAD, BEHIND SHREE GUTKA
FARM HOUSE, GAGWANA, DIST. AJMER

PROJECT:-

BOX CULVERT

STRUCTURAL CONSULTANT:-

AGRAWAL ASSOCIATES
AN ISO 9001 : 2008 CERTIFIED COMPANY
56, VIJAY NAGAR, D-BLOCK,
MALVIYA NAGAR, JAIPUR-302017
PHONE : 0141-2724785
E-MAIL : agr_ase@ahico.co.in

DRAWING TITLE:-

DETAILS OF PRECAST CEMENT CONCRETE
SINGLE CELL BOX CULVERT OF
1500MM X 1500MM (INTERNAL DIMENSIONS)

SCALE:- N.T.S. DATE:- 26-12-2010

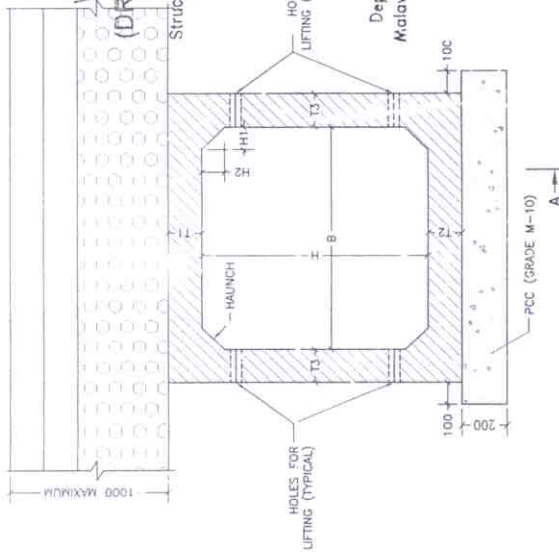
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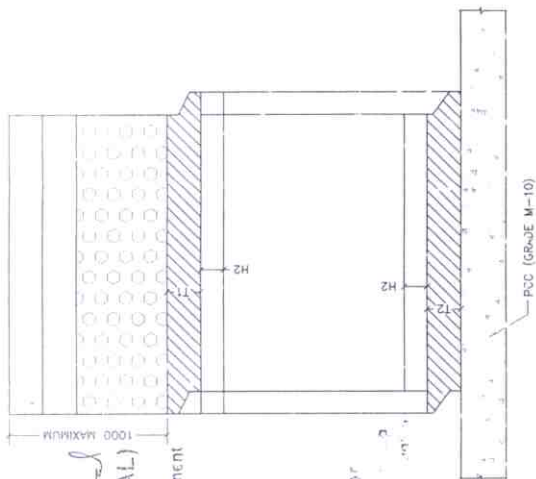
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 Asstt. Professor
 Structural Engineering Department
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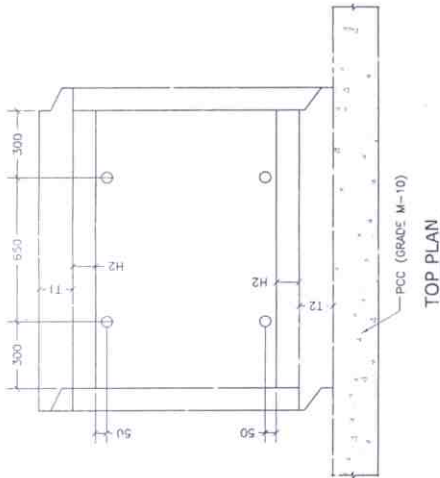
Rajesh Gupta
Associate Professor
 Department of Structural Engineering
 Malaviya National Institute
 JLN, Marg, Jaipur



TYPICAL CROSS SECTION OF RCC SINGLE CELL BOX CULVERT



SECTION AT A-A



SHOWING POSITION OF LIFTING HOLES
 TOP PLAN

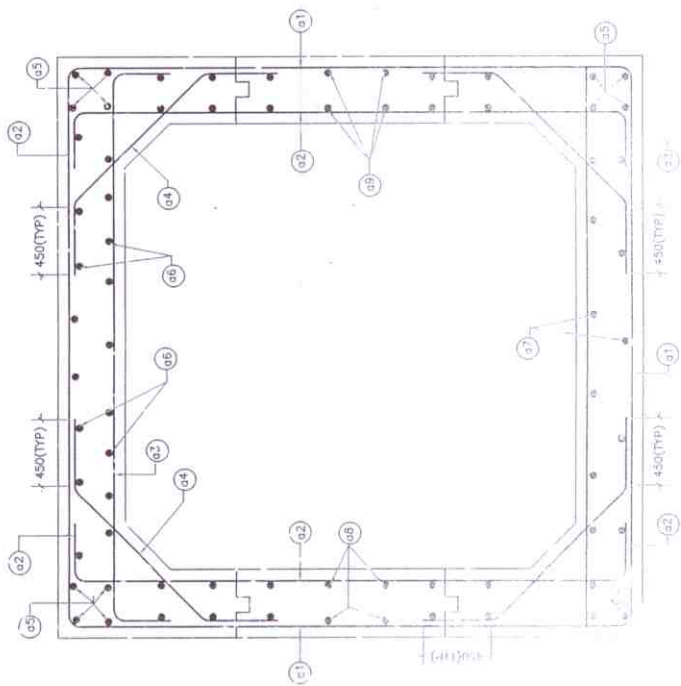
SCHEDULE OF DIMENSIONS :-

S. NO.	B (mm)	H (mm)	T1 (mm)	T2 (mm)	T3 (mm)	H1 (mm)	H2 (mm)
1.	1750	1500	200	200	200	200	200

SCHEDULE OF REINFORCEMENT :-

BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
B1	[Rectangular]	#10	140 C/C
B2	[Rectangular]	#8	140 C/C
B3	[Rectangular]	#10	140 C/C
B4	[Rectangular]	#8	140 C/C
B5	[Rectangular]	#10	140 C/C
B6	[Rectangular]	#10	140 C/C
B7	[Rectangular]	#10	140 C/C
B8	[Rectangular]	#10	140 C/C
B9	[Rectangular]	#10	140 C/C
B10	[Rectangular]	#10	140 C/C

FOR SINGLE CELL BOX CULVERT
 1500X1250 (INTERNAL DIMENSIONS)



REINFORCEMENT DETAILS OF RCC SINGLE CELL BOX CULVERT

GENERAL NOTES:-

- (1) ALL DIMENSION ARE IN MILLIMETERS.
- (2) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHERS RELEVANT DRAWINGS.
- (3) MINIMUM CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 25MM.
- (4) MINIMUM LAP LENGTH OF REINFORCEMENT SHALL BE KEPT AS 36D WHERE D IS THE DIAMETER OF THE BAR. NOT MORE THAN 50% BARS SHALL BE LAPPED AT ANY ONE LOCATION.
- (5) LINK SHOULD GO ROUND MAIN BAR AND CONTINUE ALONG BARREL.
- (6) LINK SHOULD BE STARTED AT DISTANCE OF HALF THEIR SPACING FROM THE FACE OF SUPPORT.
- (7) MAXIMUM SIZE OF AGGREGATE TO BE USED IN RCC IS 30MM.
- (8) GRADE OF CONCRETE IS M-40
- (9) ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe 415 CONFORMING TO IS 1786 WITH A MINIMUM YIELD STRENGTH OF 415 N/500MM.
- (10) JOINT OR LAPPING OF BARS SHALL BE SUITABLY SPACED AS PER CLAUSE 304.5.0-RC-31.1287
- (11) FULL SCALE ELEVATION FOR BARS SHALL BE LINED OUT

CLIENT:-

CHANDRA SPUN PIPE CO.
 LAPURA ROAD, BEHIND SHREE GUTKA
 FARM HOUSE, GAGWANA, DIST. AJMER

PROJECT:-

BOX CULVERT

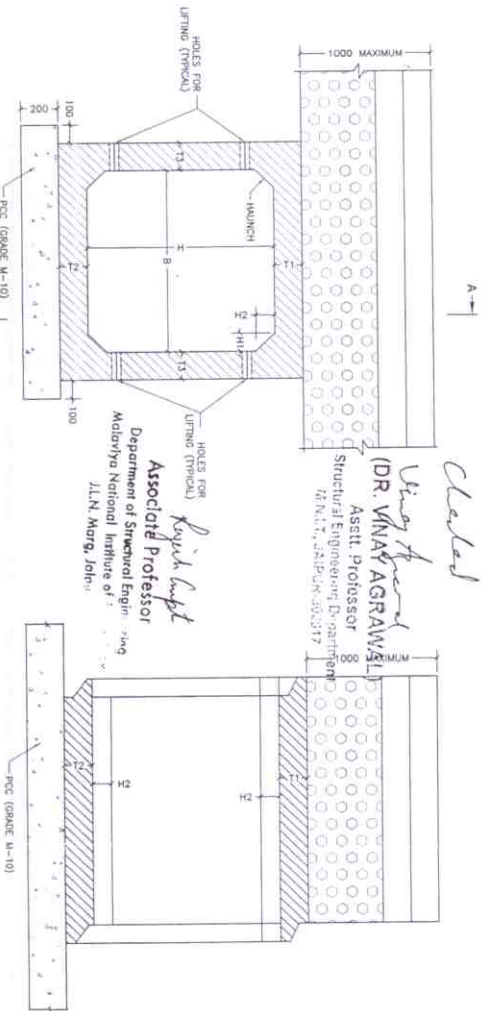
STRUCTURAL CONSULTANT:-

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 5B, VIJAY NAGAR, D-BLOCK,
 MALVIYA NAGAR, JAIPUR-302017
 PHONE : 0141-2724765
 E-MAIL : agr_asso@ymail.com

DRAWING TITLE:-

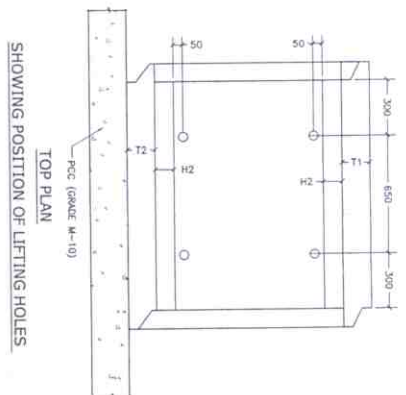
DETAILS OF PRECAST CEMENT CONCRETE
 SINGLE CELL BOX CULVERT OF
 1750MM X 1500MM (INTERNAL DIMENSIONS)

SCALE:- 1:10
 DATE:- 20-11-2017



TYPICAL CROSS SECTION OF RCC SINGLE CELL BOX CULVERT

SECTION AT A-A



TOP PLAN SHOWING POSITION OF LIFTING HOLES

SCHEDULE OF REINFORCEMENT :-

FOR SINGLE CELL BOX CULVERT 1500X1250 (INTERNAL DIMENSIONS)			
BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACING (MM)
a1	[Diagram]	#10	155 C/C
a2	[Diagram]	#8	155 C/C
a3	[Diagram]	#10	155 C/C
a4	[Diagram]	#8	155 C/C
a5	[Diagram]	#8	4 NOS.
a6	[Diagram]	#8	130 C/C
a7	[Diagram]	#8	130 C/C
a8	[Diagram]	#8	130 C/C
a9	[Diagram]	#8	130 C/C

SCHEDULE OF DIMENSIONS :-

S. NO.	B (mm)	H (mm)	T1 (mm)	T2 (mm)	T3 (mm)	H1 (mm)	H2 (mm)
1.	1500	1250	190	190	190	200	200

GENERAL NOTES:-

- (1) ALL DIMENSIONS ARE IN MILLIMETERS.
- (2) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHERS RELATING TO THIS PROJECT.
- (3) MINIMUM CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 25MM.
- (4) MINIMUM CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 25MM.
- (5) LINK SHOULD GO ROUND MAIN BAR AND CONTINUE ALONG BARREL.
- (6) LINK SHOULD BE STARTED AT DISTANCE OF HALF THEIR SPACING FROM THE FACE OF SUPPORT.
- (7) MAXIMUM SIZE OF AGGREGATE TO BE USED IN RCC IS 20MM.
- (8) GRADE OF CONCRETE IS M-40.
- (9) ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe 415 CONFORMING TO IS : 1786-1985 WITH A MINIMUM YIELD STRENGTH OF 415 N/SQMM.
- (10) JOINT OR LAPPING OF BARS SHALL BE SUITABLY STAGGERED AS PER CLAUSE 304.6 OF IS:1786-1985.
- (11) FULL SCALE ELEVATION FOR BARS SHALL BE LINED OUT ON A PLAN PLASTERED FLOOR TO THE CORRECT CLEARANCE BETWEEN DIFFERENT BARS AND THAT THE BARS SHALL BE BENT TO PROPER SHAPE.

CLIENT:-

CHANDRA SPUN PIPE CO.
CHANDRA ROAD, BERTINA STREET, GUDA
PARK ROAD, DARGAWAN, DISTT./JAIPUR

PROJECT:-

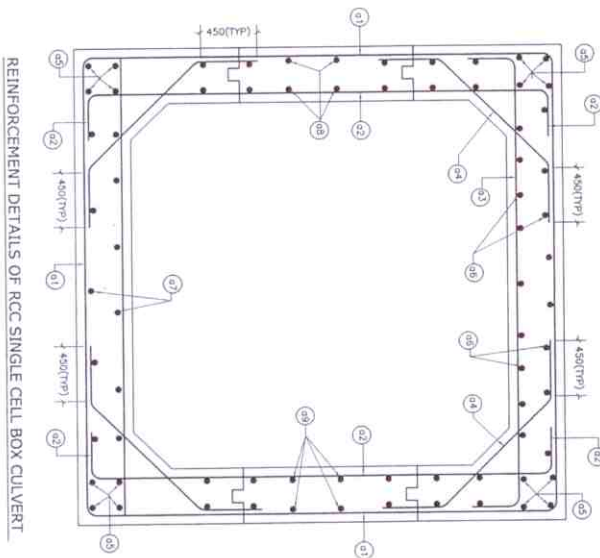
BOX CULVERT

STRUCTURAL CONSULTANT:-

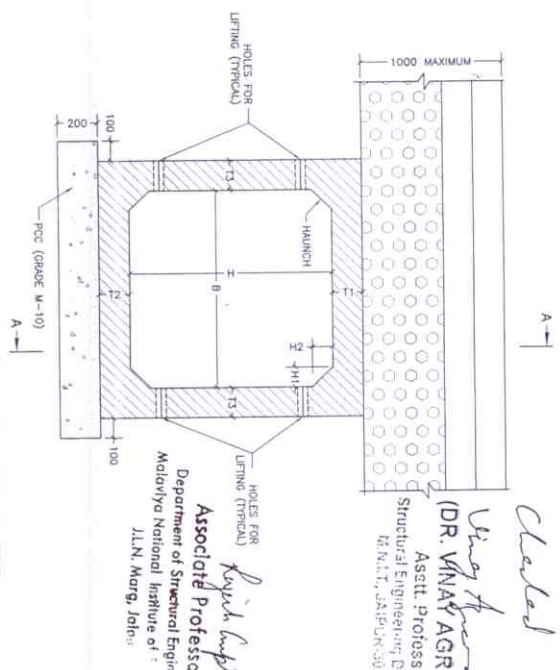
AGRAWAL ASSOCIATES
AN ISO 9001:2000 CERTIFIED COMPANY
SR. VINAY NAGAR, D.BLOCK,
PLOT NO. 144/1, 27/4/7/8
E-MAIL : agc_amb@rediffmail.com

DRAWING TITLE:-

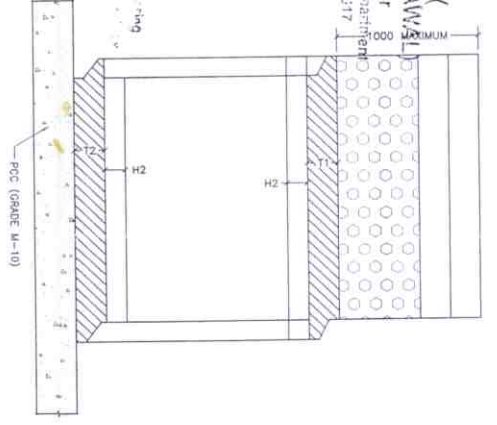
DETAILS OF PRECAST CEMENT CONCRETE
SINGLE CELL BOX CULVERT OF
1500MM X 1250MM (INTERNAL DIMENSIONS)
SCALE:- 1/15 DATE:- 28-12-2010
DRC. NO. = AS/CS/PC/06



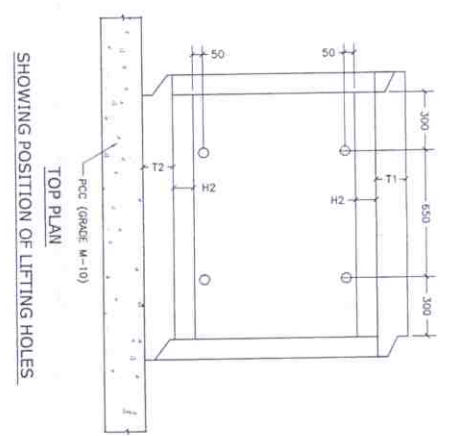
REINFORCEMENT DETAILS OF RCC SINGLE CELL BOX CULVERT



TYPICAL CROSS SECTION OF RCC SINGLE CELL BOX CULVERT



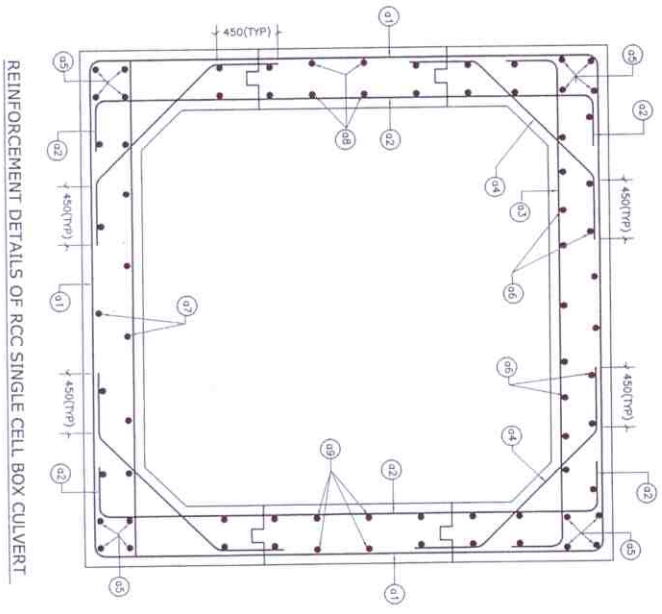
SECTION AT A-A



SHOWING POSITION OF LIFTING HOLES

SCHEDULE OF DIMENSIONS :-

S. NO.	B (mm)	H (mm)	T1 (mm)	T2 (mm)	T3 (mm)	H1 (mm)	H2 (mm)
1.	1500	1250	190	190	190	200	200



REINFORCEMENT DETAILS OF RCC SINGLE CELL BOX CULVERT

SCHEDULE OF REINFORCEMENT :-

FOR SINGLE CELL BOX CULVERT
1500X1250 (INTERNAL DIMENSIONS)

BAR MARK	BAR SHAPE	BAR DIA (MM)	SPACINGS (MM)
a1	[Diagram]	#10	155 C/C
a2	[Diagram]	#8	155 C/C
a3	[Diagram]	#10	155 C/C
a4	[Diagram]	#8	155 C/C
a5	[Diagram]	#6	4-NOS.
a6	[Diagram]	#8	130 C/C
a7	[Diagram]	#8	130 C/C
a8	[Diagram]	#8	130 C/C
a9	[Diagram]	#8	130 C/C

GENERAL NOTES:-

- (1) ALL DIMENSION ARE IN MILLIMETERS.
- (2) THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHERS RELEVANT DRAWINGS.
- (3) MINIMUM CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 25MM.
- (4) MINIMUM LAP LENGTH OF REINFORCEMENT SHALL BE KEPT AS 36D WHERE D IS THE DIAMETER OF THE BAR NOT MORE THAN 50% BARS SHALL BE LAPPED AT ANY ONE LOCATION.
- (5) LINK SHOULD GO ROUND MAIN BAR AND CONTINUE ALONG BARREL.
- (6) LINK SHOULD BE STARTED AT DISTANCE OF HALF THEIR SPACING FROM THE FACE OF SUPPORT.
- (7) MAXIMUM SIZE OF AGGREGATE TO BE USED IN RCC IS 20MM.
- (8) GRADE OF CONCRETE IS M-40
- (9) ALL REINFORCEMENT SHALL BE HIGH YIELD STRENGTH DEFORMED BARS OF GRADE Fe 415 CONFORMING TO IS : 1786-1985 WITH A MINIMUM YIELD STRENGTH OF 415 N/SQMM.
- (10) JOINT OR LAPING OF BARS SHALL BE SUITABLY STAGGERED AS PER CLAUSE 304.6 OF IS:221-1987
- (11) FULL SCALE ELEVATION FOR BARS SHALL BE LINKED OUT ON A PLAN PLASTERED FLOOR TO THE DIMENSIONS SHOWN ON THE DRAWING SO AS TO GET CORRECT CLEARANCE BETWEEN DIFFERENT REINFORCEMENT BARS SHALL BE KEPT TO MINIMUM VALUE.

CLIENT:-
CHANDRA SPUN PIPE CO.
LADPURA ROAD, BEHIND SHREE GUTKA
FARM HOUSE, GAGWANA, DIST ALMER

PROJECT:-
BOX CULVERT

STRUCTURAL CONSULTANT:-
AGRAWAL ASSOCIATES
AN ISO 9001 : 2008 CERTIFIED COMPANY
56, VIJAY NAGAR, D-BLOCK,
MALVIYA NAGAR, JAIPUR-302017
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E-MAIL : agr_asso@yahoo.co.in

DRAWING TITLE:-
DETAILS OF PRECAST CONCRETE
SINGLE CELL BOX CULVERT OF
1500MM X 1250MM (INTERNAL DIMENSIONS)
SCALE:- N.T.S. DATE:- 20/12/2010

DRG. NO. = AS/CSPV/08

Checked
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Kishor Singh
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