

**LEGEND :-**

PROPOSED HP CULVERT	
PROPOSED 80MM DIA PIPE	
PROPOSED STRUCTURE	
PROPOSED APPROACH ROAD	
PROPOSED SOLAR LAMP	
PROPOSED PERIPHERAL BUND	
PROP. DEMANDATION PILLAR	
PROP. PIPE LAY (1 x 600 D)	

**LEGEND TYPE:- EXISTING**

TBM	
EXISTING BRIDGE	
BEEL BOUNDARY	
EXISTING STRUCTURE	
EXISTING ELECTRIC POLE	
POND	
EXISTING CHANNEL	
EXT. EARTHEN ROAD	
EXISTING BT ROAD	
EXISTING CC ROAD	
PADDY FIELD / JUNGLE	

Prepared by  
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 PASARUA, NEPAL, PIN-20100  
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**NAME OF THE BEEL:-**  
 BORAI PANI KHOWA BEEL  
**SCALE :- 1:1000**

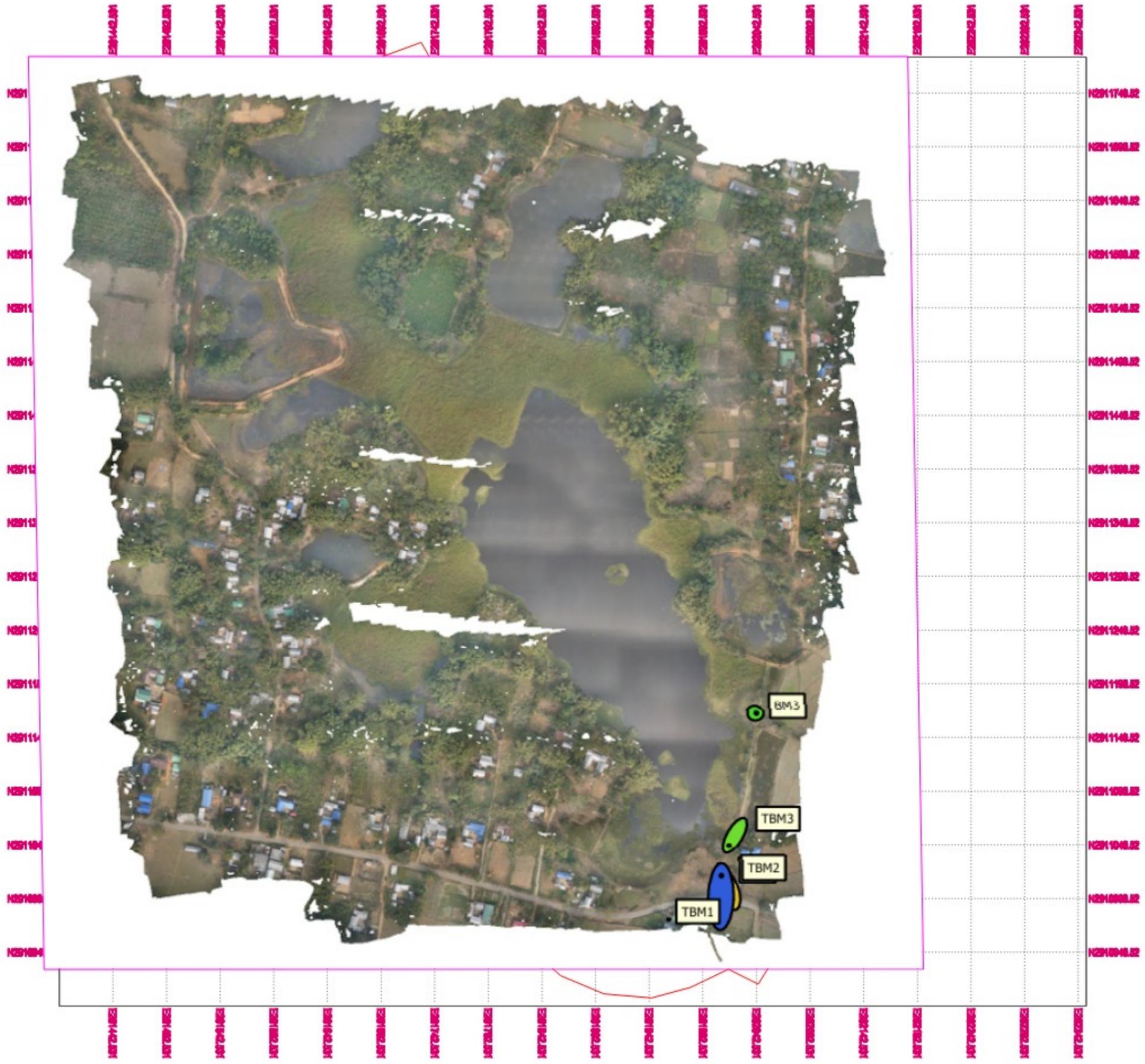
**AREA (Ha):**  
 11.90 Ha  
**DISTRICT:**  
 BONGAIGAON

**PROJECT TITLE:**  
 SUSTAINABLE WETLANDS AND INTEGRATED FISHERIES TRANSFORMATION (SWIFT) PROJECT

**DWG TITLE:**  
 LAYOUT PLAN OF BORAI PANI KHOWA BEEL  
**DRAWING NO :-**  
 ASSAM/SWIFT/GR-07/PLAN/02

**CLIENT:**  
  
 ARIAS Society  
 GOVERNMENT OF ASSAM  
 Assam Rural Infrastructure and Agricultural Services Society

DATE			
DRAWN BY	CHECKED BY	APPROVED BY	DATE



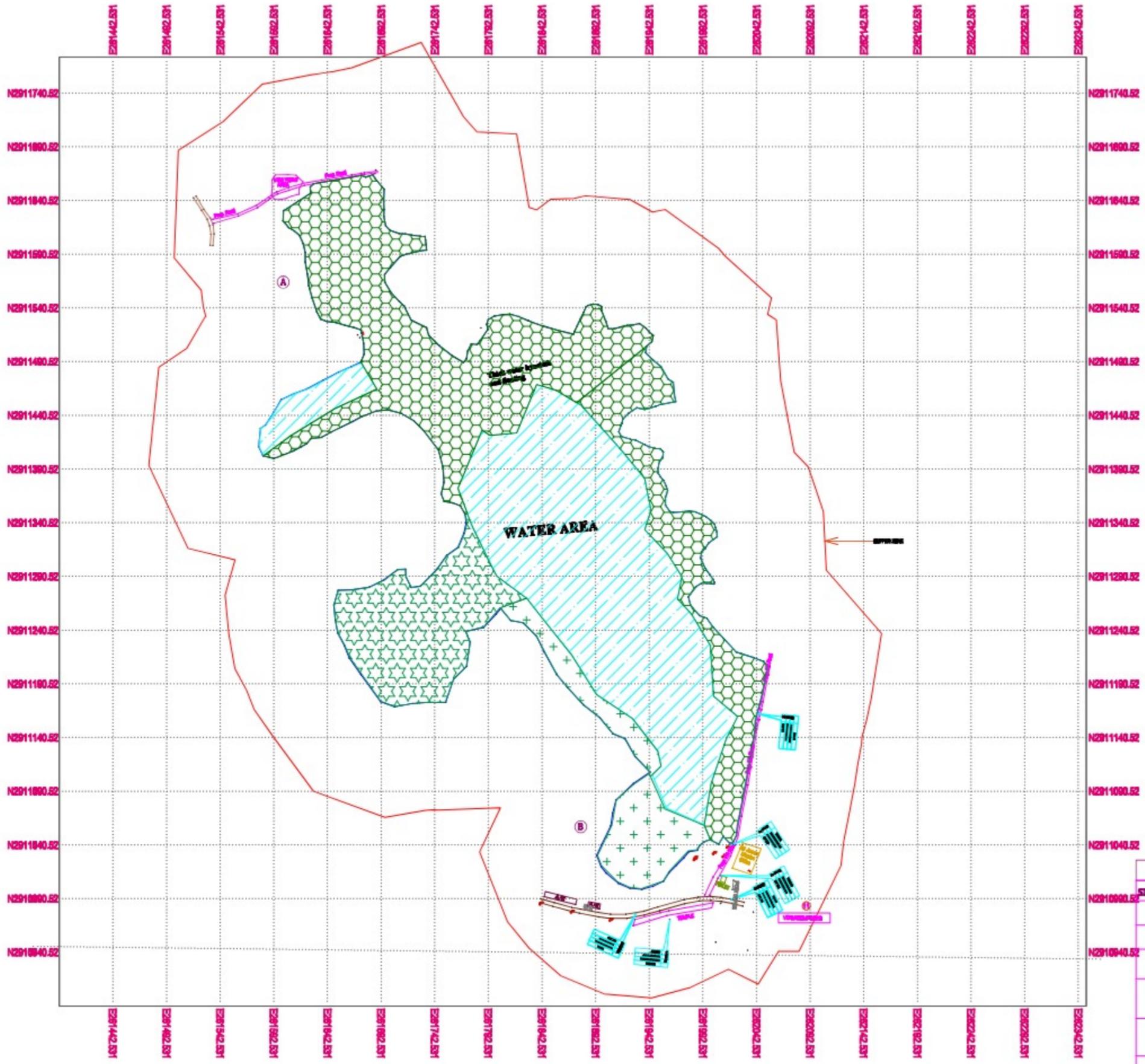
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**Name of Work:-**  
**Boral Pani Khowa Beel in Bongaigaon District : Conservation,**  
**Restoration and Rejuvenation under Assam SWIFT Project.**

**SCALE : 1:1000**  
**PACKAGE NO: 7**

**DRAWING :**  
**DRONE MAP**  
**DRAWING NO :-**  
**ASSAM/SWIFT/GR-07/PLAN03**

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



**LEGEND :-**

Thin and floating water etc	
Medium and floating etc	
Heavy and floating etc	
CLEAR WATER AREA	

TOTAL AREA=124192.79 Sqm

**AREA DETAILS**

SL. NO	DESCRIPTION	AREA( Sq. m)
(A)	Thin and floating water lily etc and other aquatic weeds etc.	11812.48 SQ M
(B)	Thick and floating water lily etc and other aquatic weeds etc.	6608.76 SQ M
(C)	Thick and floating Taro, Lotus, Papyrus and other marginal aquatic weeds etc. upto a depth of 50 cm.	90 SQ M
(D)	Medium and floating Taro, Lotus, Papyrus and other marginal aquatic weeds etc. upto a depth of 50 cm to 60 cm.	13688.26 SQ M
(E)	Heavy and floating Taro, Lotus, Papyrus and other marginal aquatic weeds etc. upto a depth of 60 cm to 120 cm.	18791.40 SQ M
(F)	CLEAR WATER AREA	71834.64 SQ M

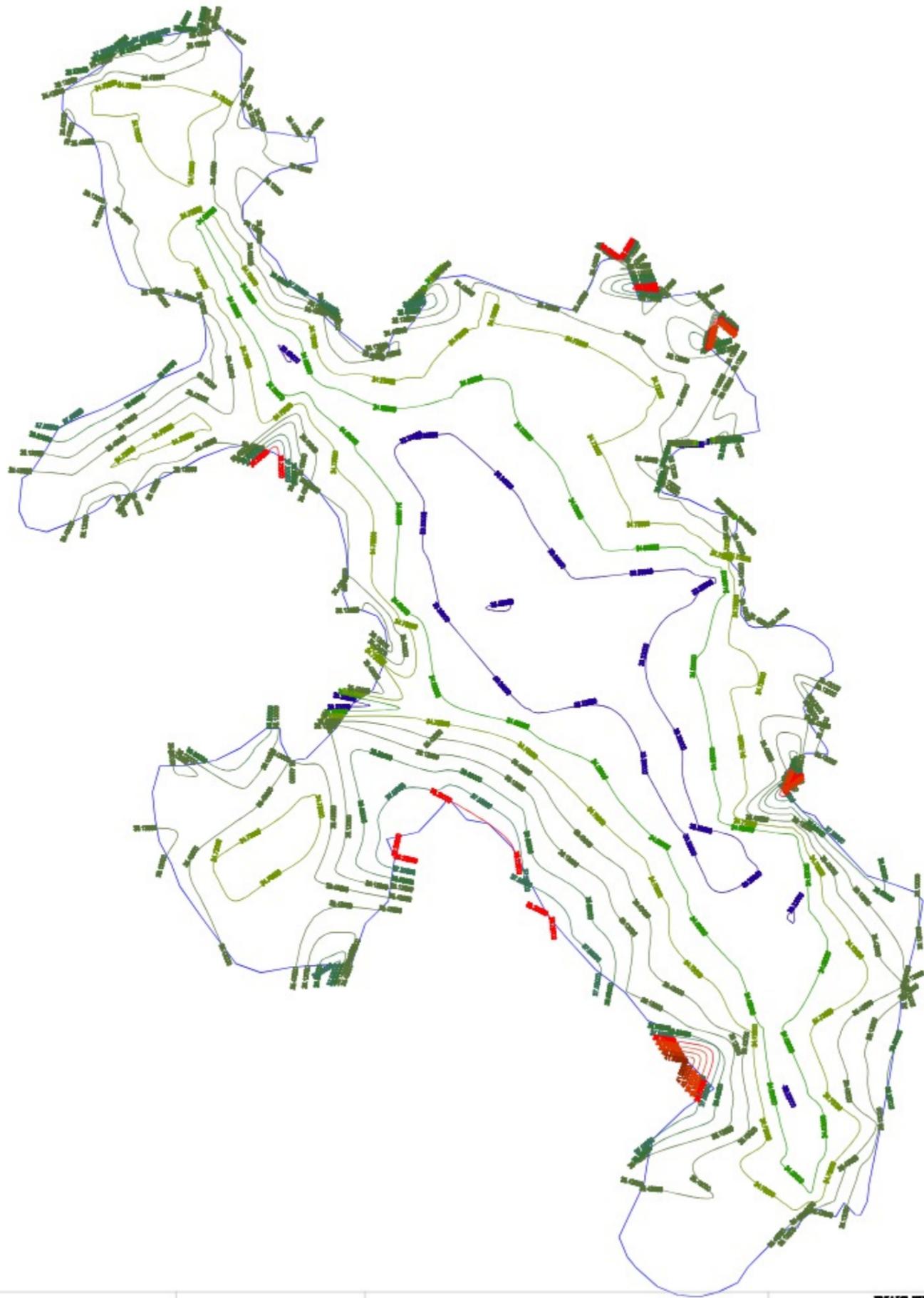
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**Name of Work:-**  
**Boral Pani Khowa Beel in Bongaigaon District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.**

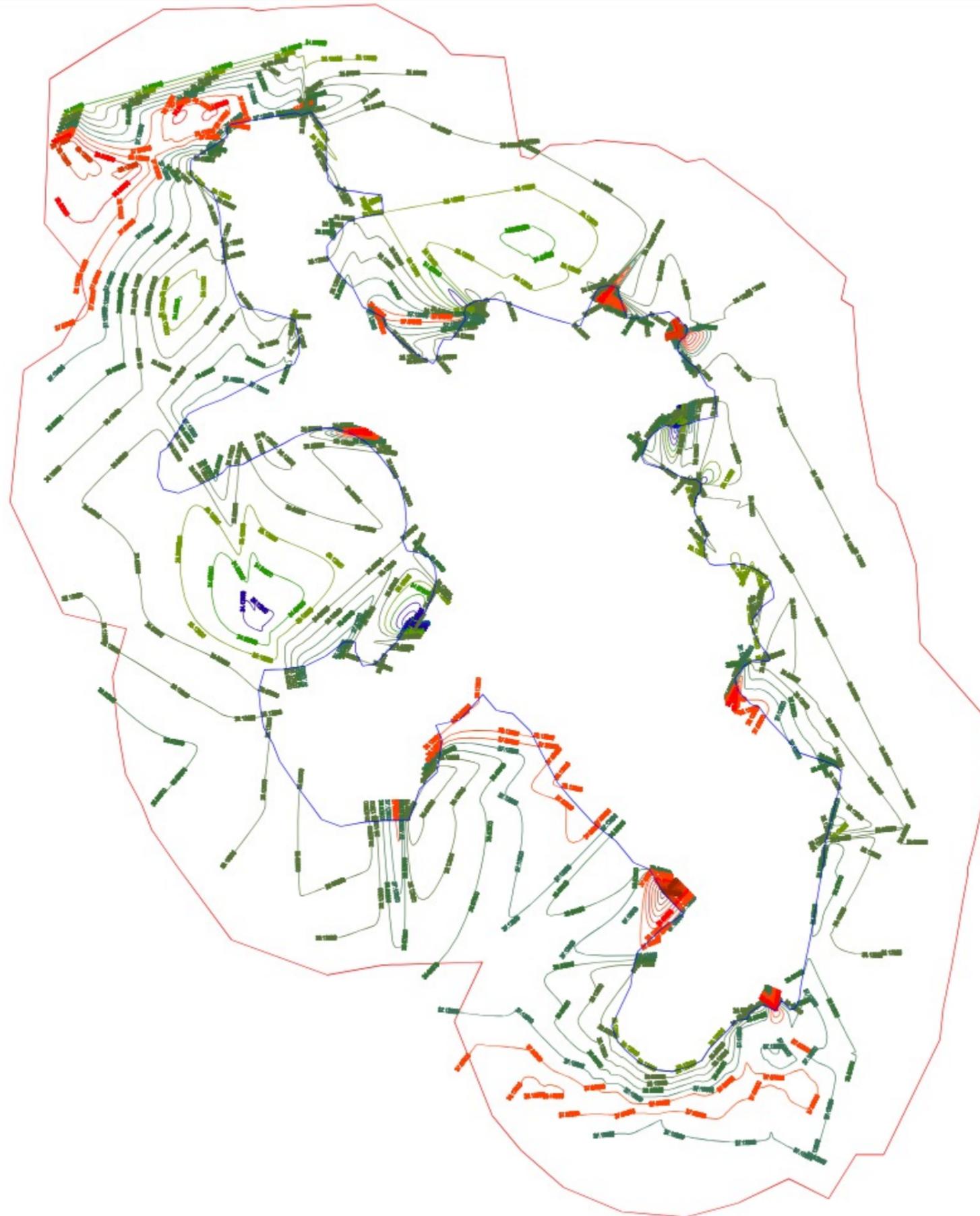
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**DRAWING :**  
**DE WEEDING MAP**  
 DRAWING NO :-  
 ASSAM/SWIFT/GR-07/PLAN/04

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



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	<b>SCALE :- 1:1000</b>	<b>DISTRICT:</b>  <b>BONGAIGAON</b>		<b>DRAWING NO :-</b> <b>ASSAM/SWIFT/GR-07/PLAN/05</b>		<b>CHECKED BY:</b>  	<b>DESIGNED BY:</b>  	<b>RECOMMENDED BY:</b>  	<b>APPROVED BY:</b>  	<b>DATE</b> <small>YEAR</small> <small>MONTH</small> <small>DAY</small>



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	<b>SCALE :- 1:1000</b>	<b>DISTRICT:</b> <b>BONGAIGAON</b>		<b>DRAWING NO :-</b> <b>ASSAM/SWIFT/GR-07/PLAN/06</b>		<b>CHECKED BY:</b>  	<b>SUBMITTED TO:</b>  	<b>RECORDING NO.:</b>  	<b>APPROVED BY:</b>  	<b>DATE:</b> <b>YEAR/LEAD</b>



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**Name of Work:-**  
**Borai Pani Khowa Beel in Bongaigaon District : Conservation,**  
**Restoration and Rejuvenation under Assam SWIFT Project.**

**SCALE :-**

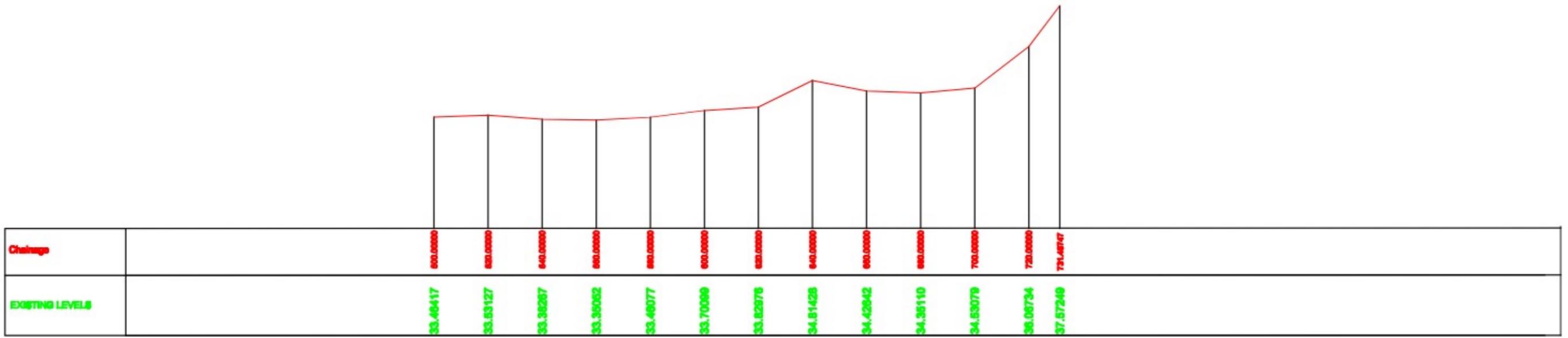
**PACKAGE NO: 7**

**DRAWING :**

LONGITUDINAL PROFILE OF BEEL

DRAWING NO  
 ASSAM/SWIFT/GR-07/PLAN/07(A)

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



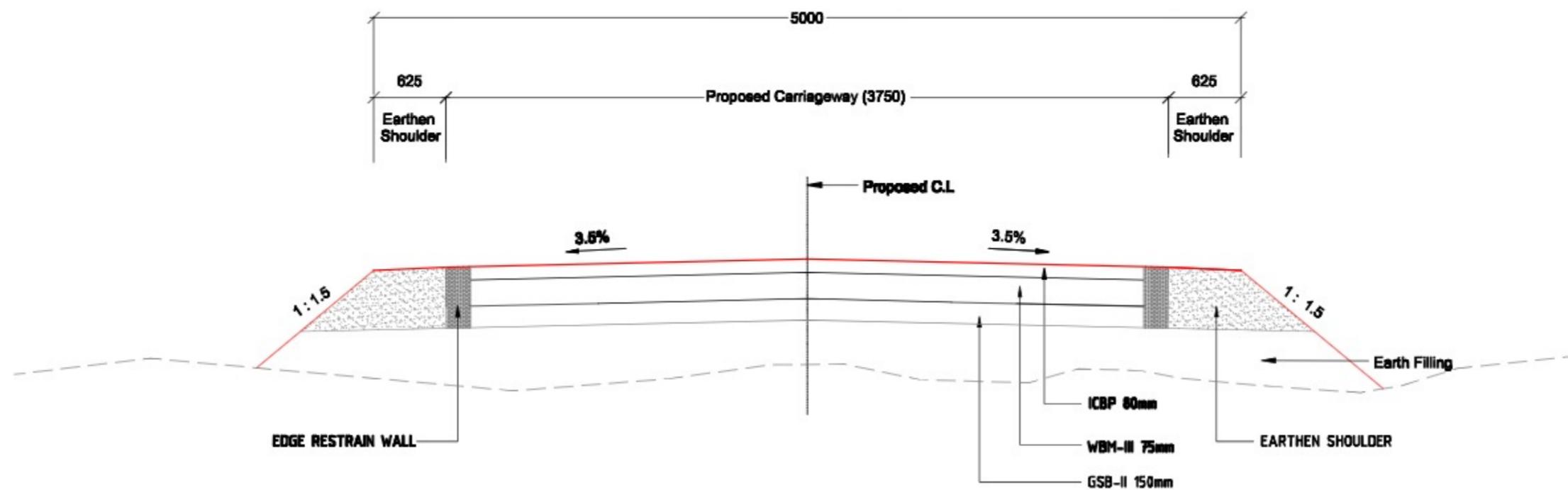
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**Name of Work:-**  
**Borai Pani Khowa Beel in Bongaigaon District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.**

**SCALE :-**  
**PACKAGE NO: 7**

**DRAWING :**  
 LONGITUDINAL PROFILE OF BEEL  
 DRAWING NO  
 ASSAM/SWIFT/GR-07/PLAN/07(B)

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



TYPICAL CROSS SECTION FOR APPROACH ROAD

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DRAWING NO  
**ASSAM/SWIFT/GR-07/SD/01**

DRAWING :  
 Typical Cross Section

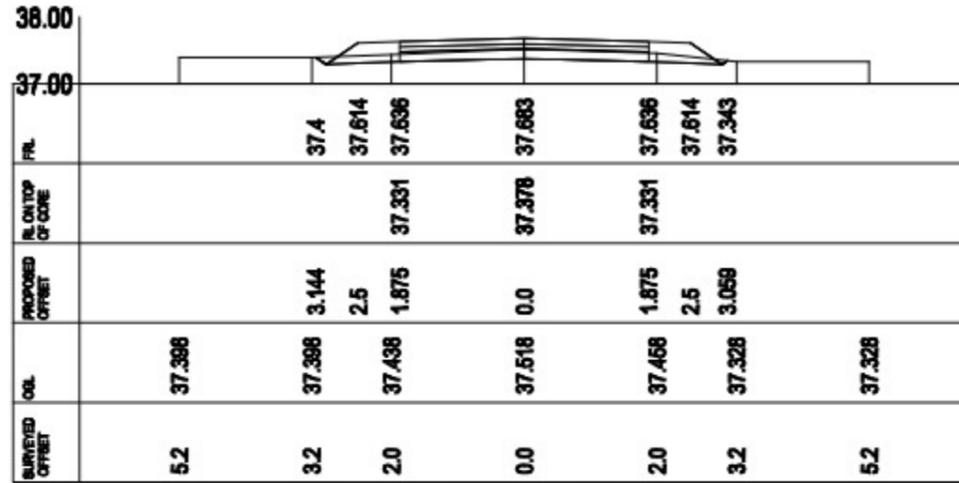
NOT TO SCALE

PACKAGE NO: 7

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**

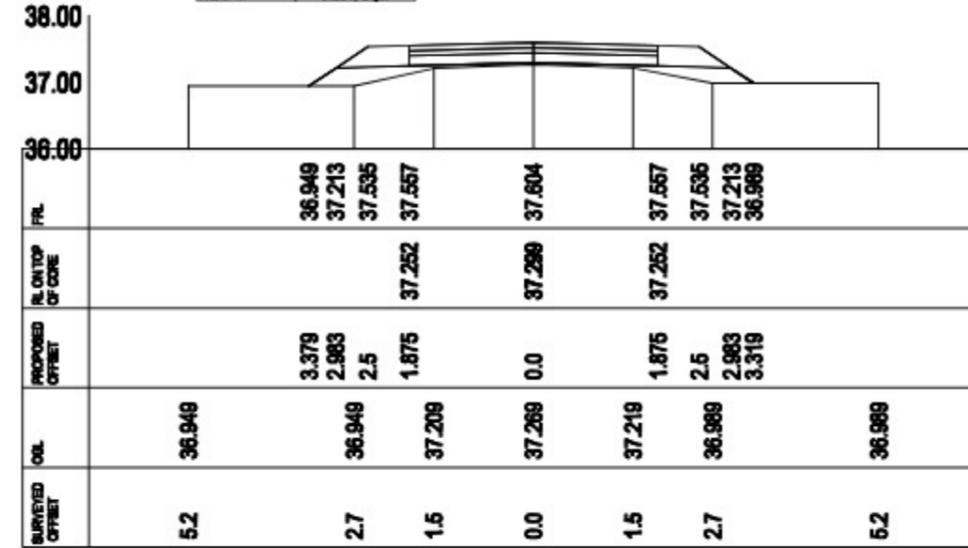


AREA IN FILL	0.000
SHOULDER	0.000
OSB	0.000
WBM-II	0.000
WBM-III	0.000



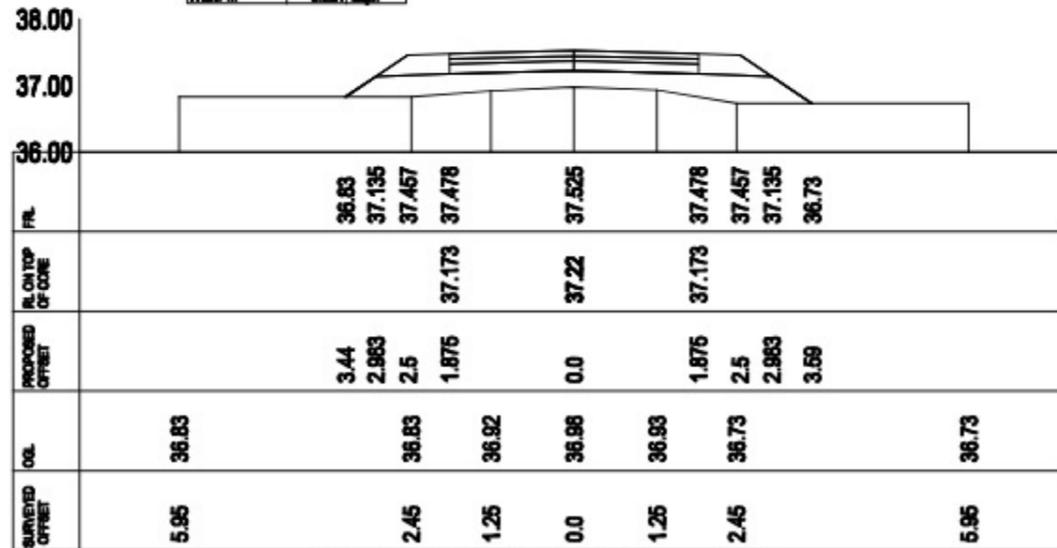
CROSS-SECTION AT CH- 0.0

AREA IN FILL	0.719
SHOULDER	0.528
OSB	0.528
WBM-II	0.528
WBM-III	0.528



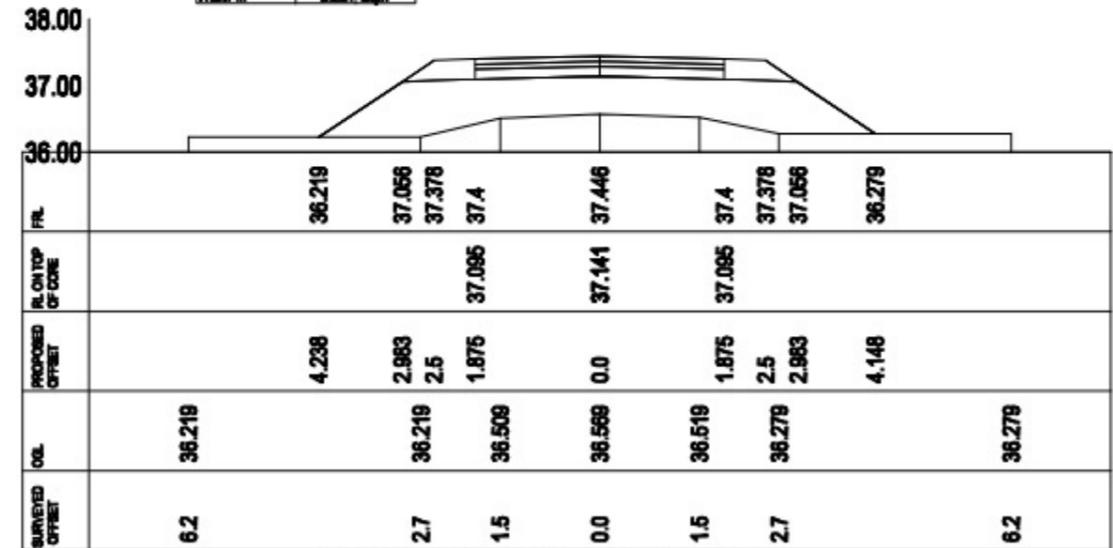
CROSS-SECTION AT CH- 20.0

AREA IN FILL	1.875
SHOULDER	0.000
OSB	0.000
WBM-II	0.000
WBM-III	0.000



CROSS-SECTION AT CH- 40.0

AREA IN FILL	4.872
SHOULDER	0.000
OSB	0.000
WBM-II	0.000
WBM-III	0.000



CROSS-SECTION AT CH- 60.0

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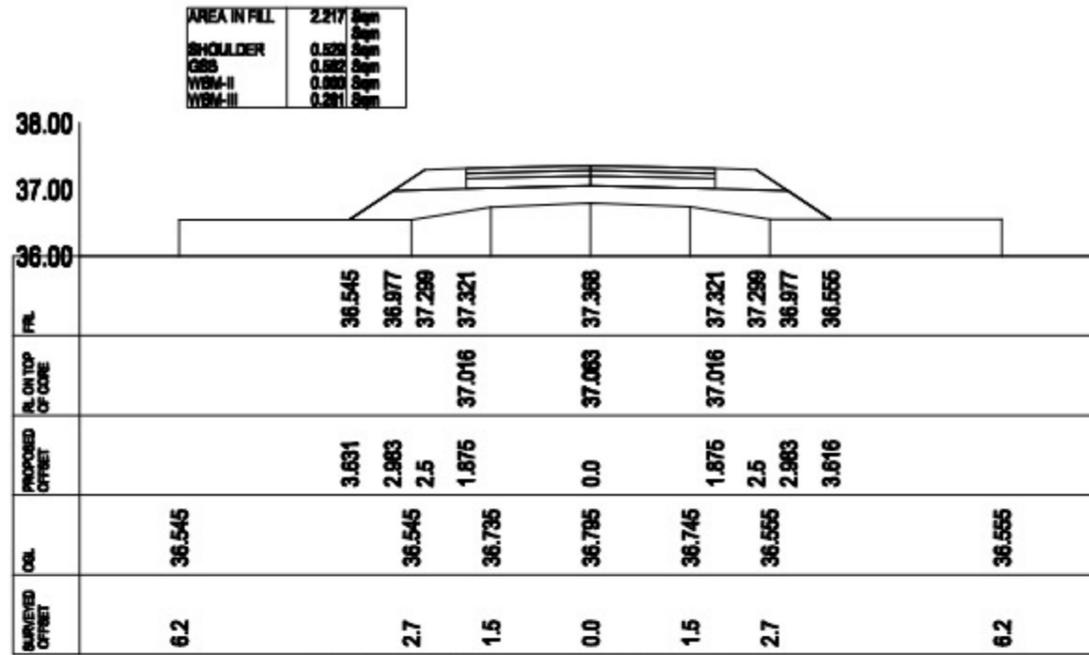
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Name of Work:-  
**Bamuni Beel in Dibrugarh District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.**

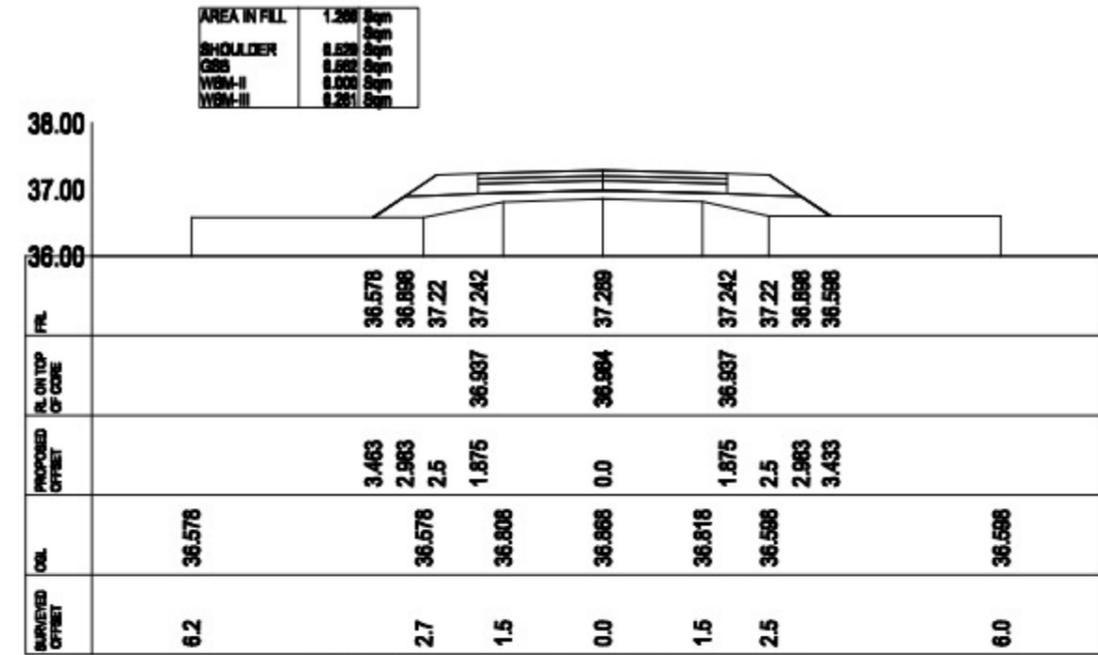
DRAWING :  
CROSS SECTION OF APPROACH ROAD

DRAWING No. :  
ASSAM/SWIFT/GR-08/SD/01(B)

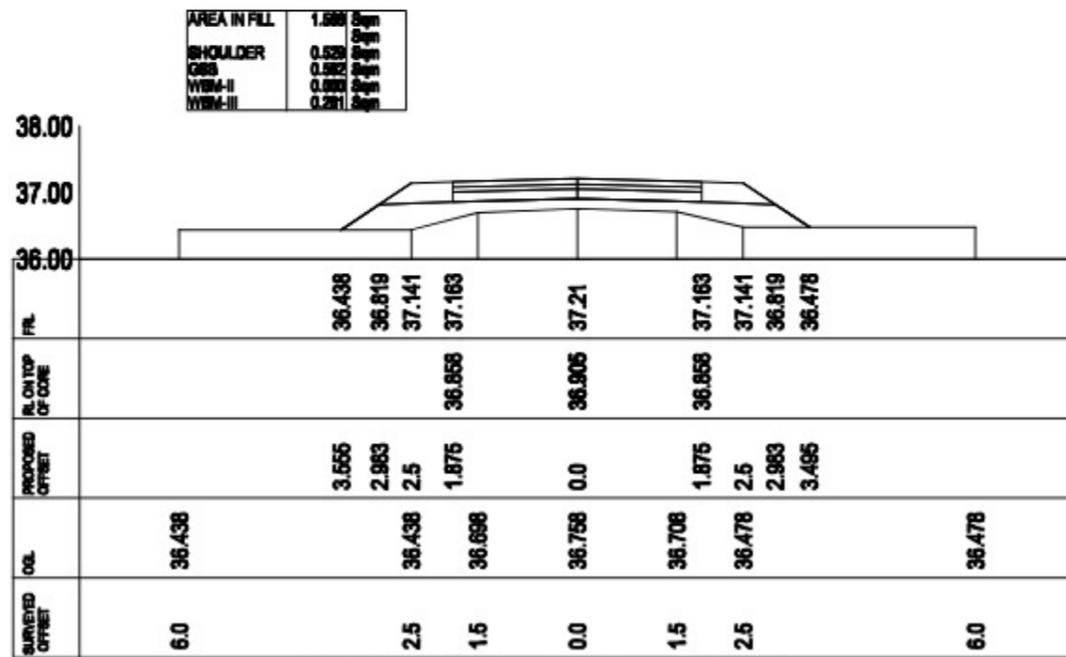
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**Assam Rural Infrastructure**  
**Agricultural Service Society**



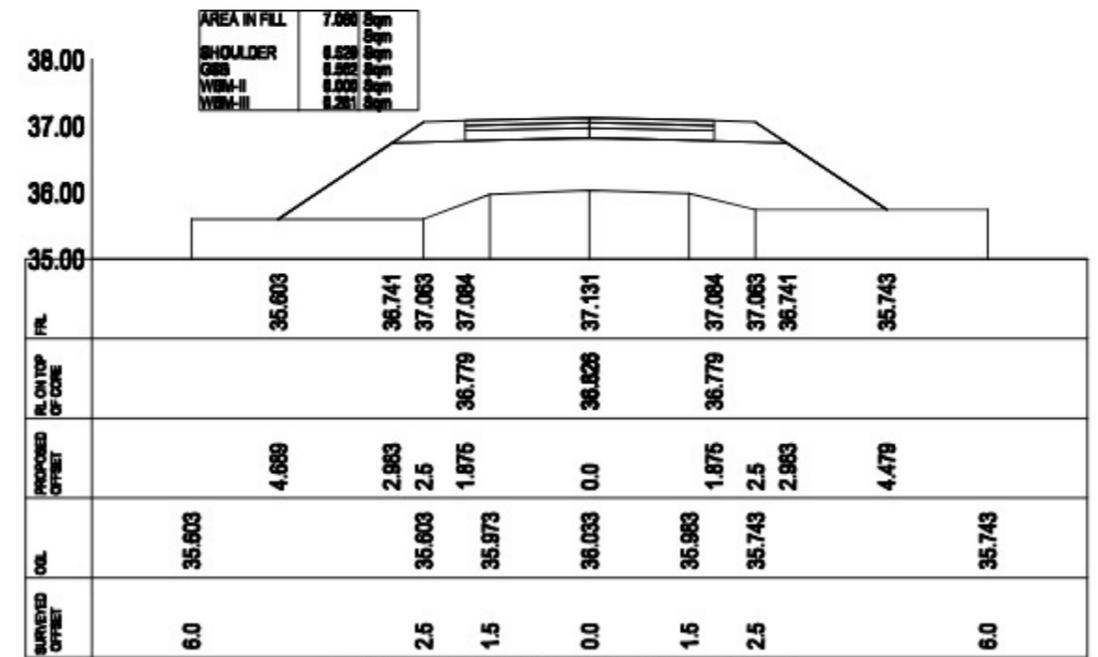
CROSS-SECTION AT CH- 80.0



CROSS-SECTION AT CH- 100.0



CROSS-SECTION AT CH- 120.0



CROSS-SECTION AT CH- 140.0

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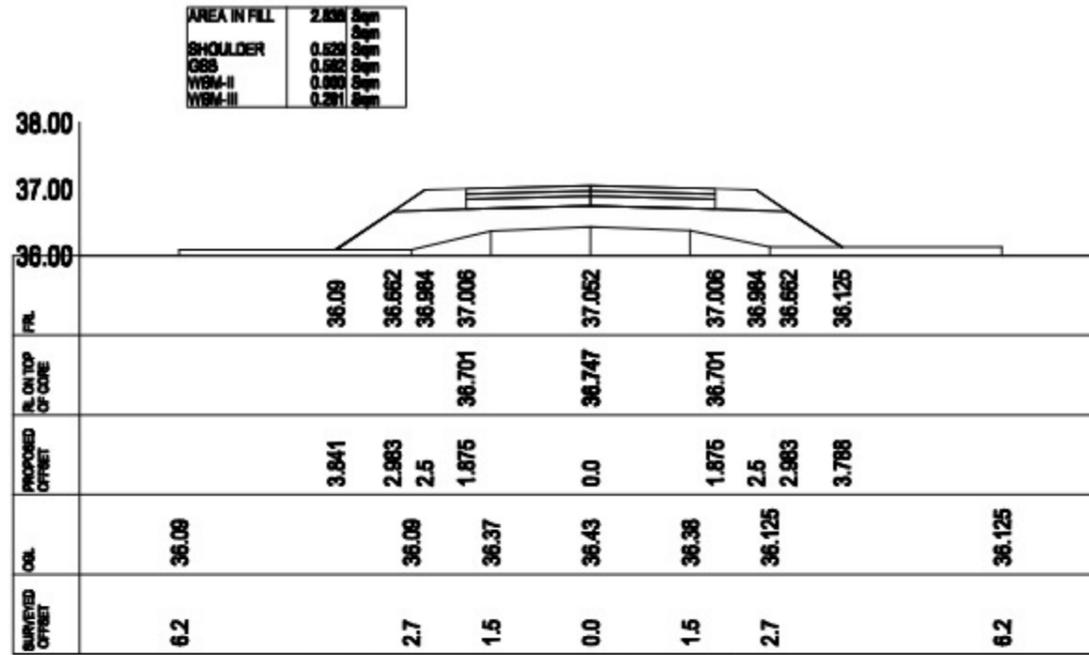
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Name of Work:-  
**Bamuni Beel in Dibrugarh District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.**

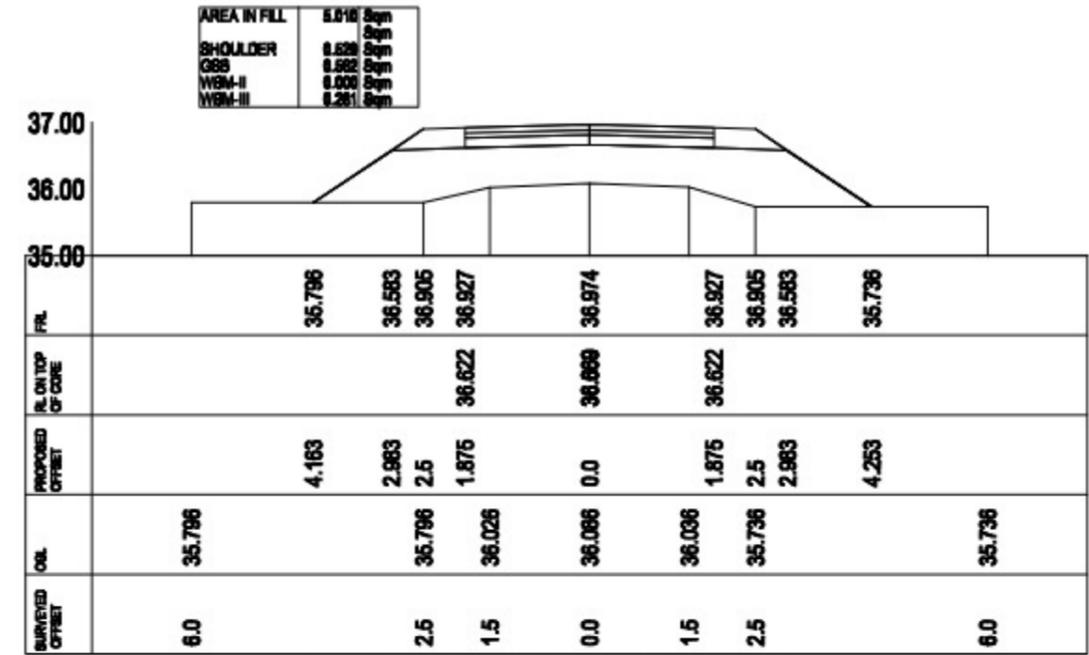
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CROSS SECTION OF APPROACH ROAD

DRAWING No. :  
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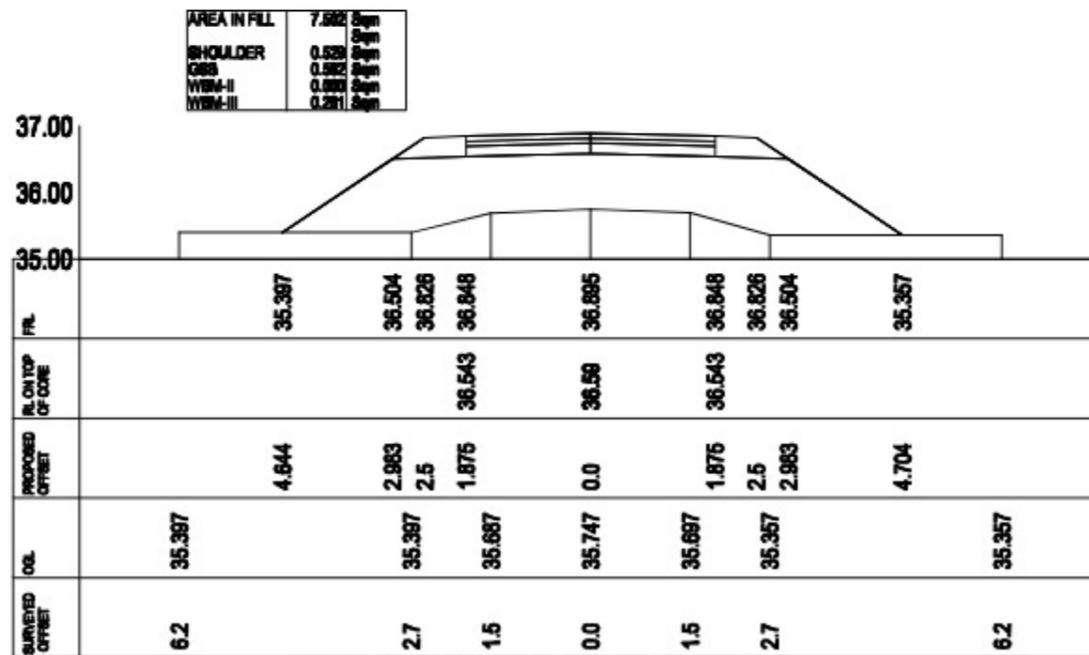
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**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



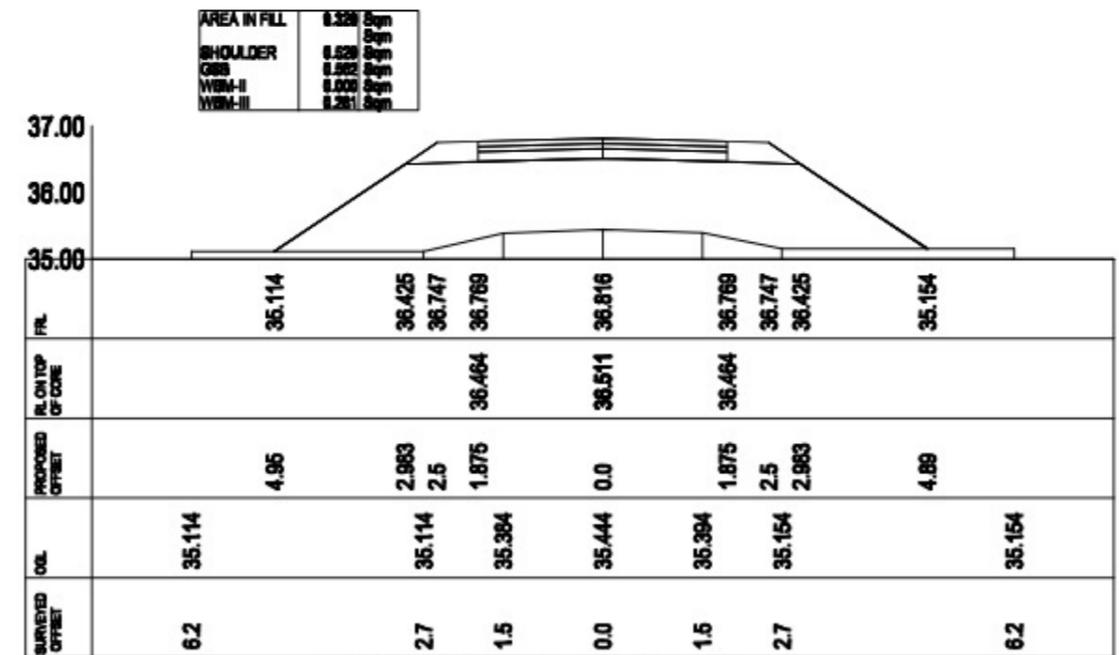
CROSS-SECTION AT CH- 160.0



CROSS-SECTION AT CH- 180.0



CROSS-SECTION AT CH- 200.0



CROSS-SECTION AT CH- 220.0

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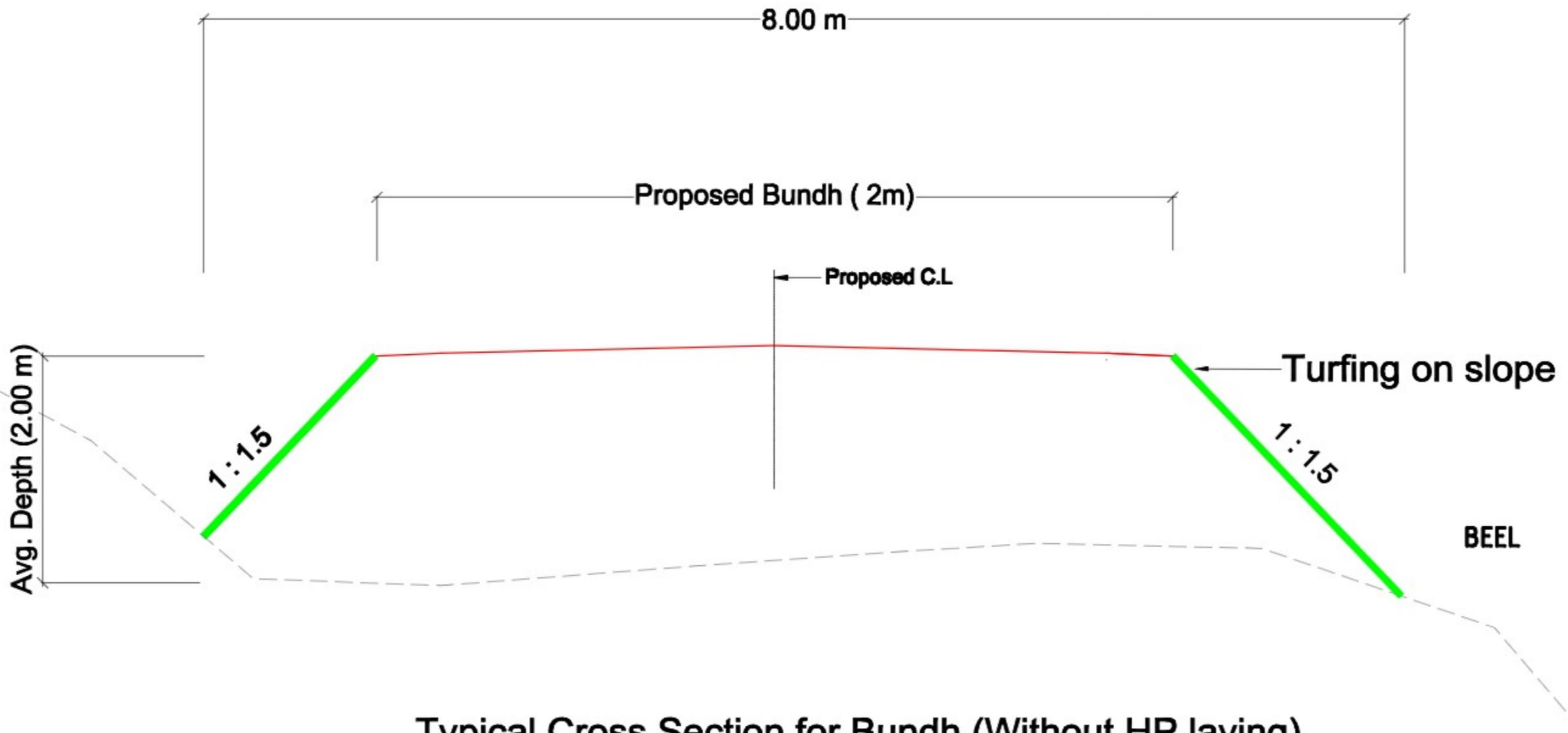
Name of Work:-  
**Bamuni Beel in Dibrugarh District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.**

DRAWING :  
CROSS SECTION OF APPROACH ROAD

DRAWING No. :  
ASSAM/SWIFT/GR-08/SD/01(D)

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**





Typical Cross Section for Bundh (Without HP laying)

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 512/523, 534/545, 567/578, 590/601  
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DRAWING NO  
**ASSAM/SWIFT/GR-07/SD/02(A)**

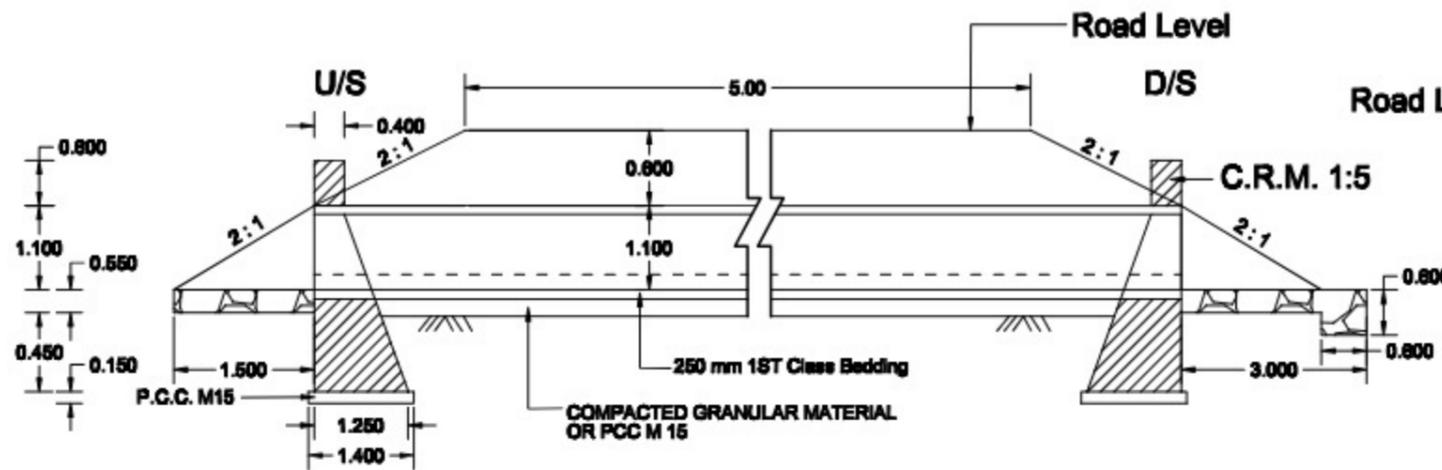
DRAWING :  
**TYPICAL SECTION OF BUND  
 (Without HP Laying)**

SCALE :- 1:1000

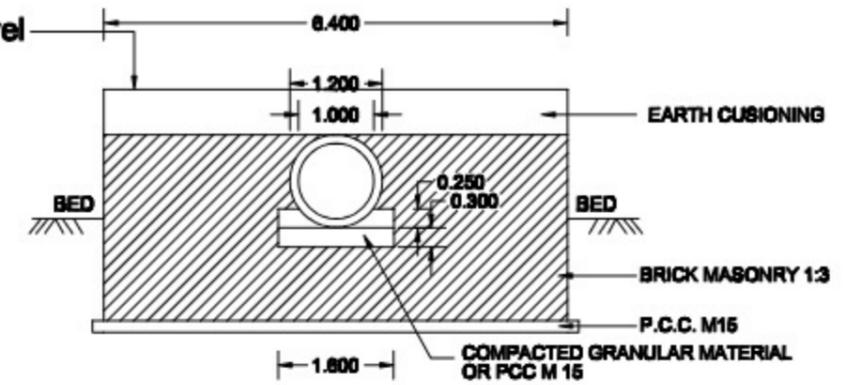
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**Agricultural Service Society**

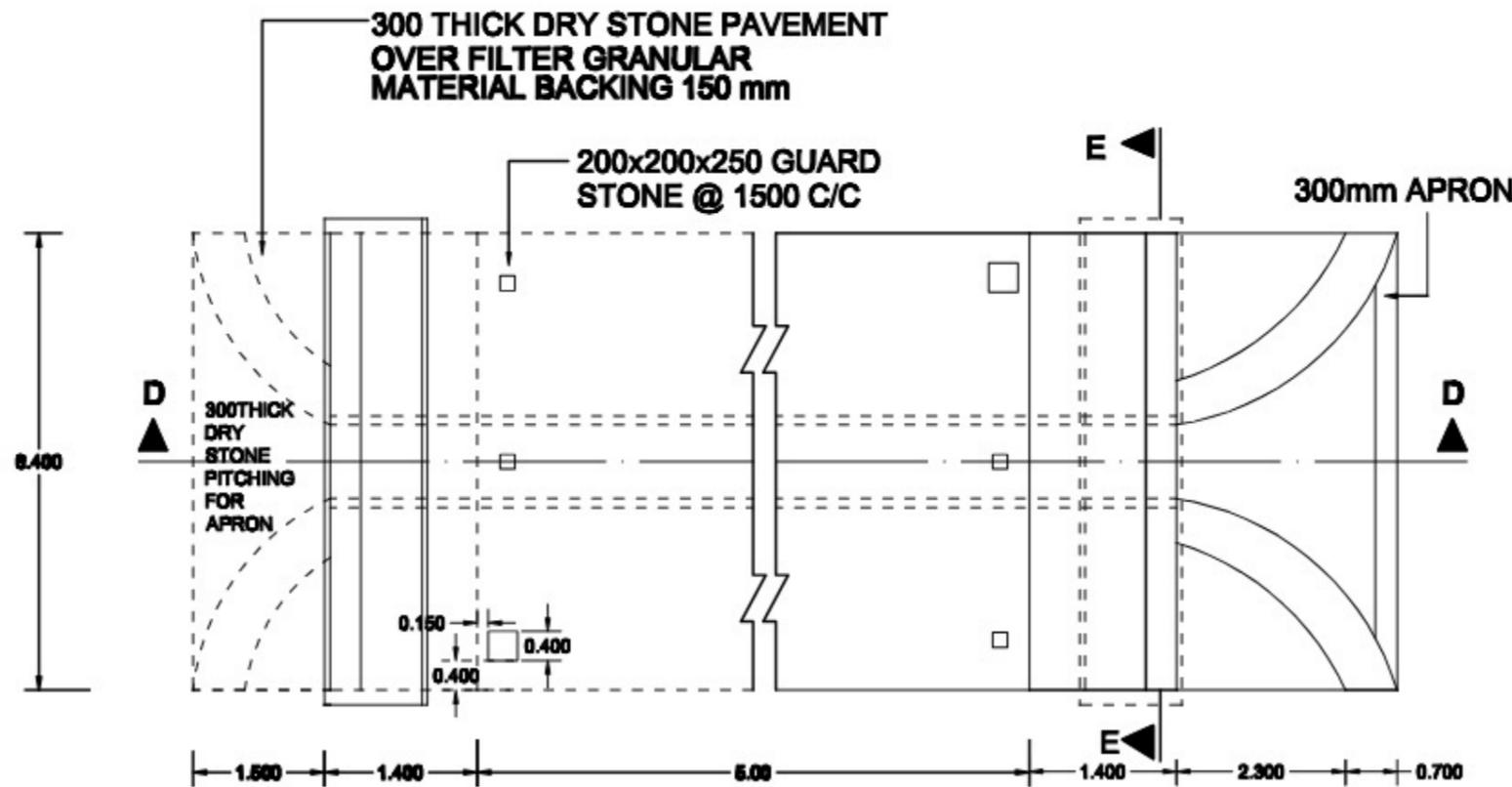




**SECTION AT D - D**  
**1000mm DIA PIPE CULVERT SINGLE ROW**



**SECTION AT E - E**  
**1000mm DIA. CULVERT**



**PLAN OF 1000mm DIA SINGLE ROW CULVERT**

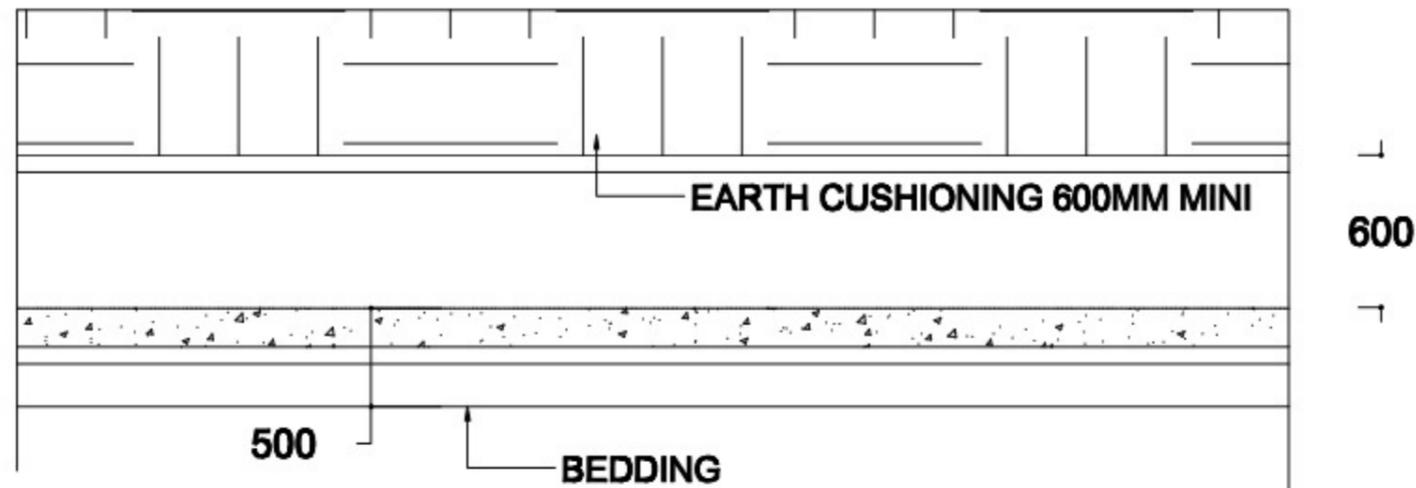
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**DRAWING :**  
**GENERAL ARRANGEMENT OF PIPE**  
**CULVERT, 1000MM DIA**

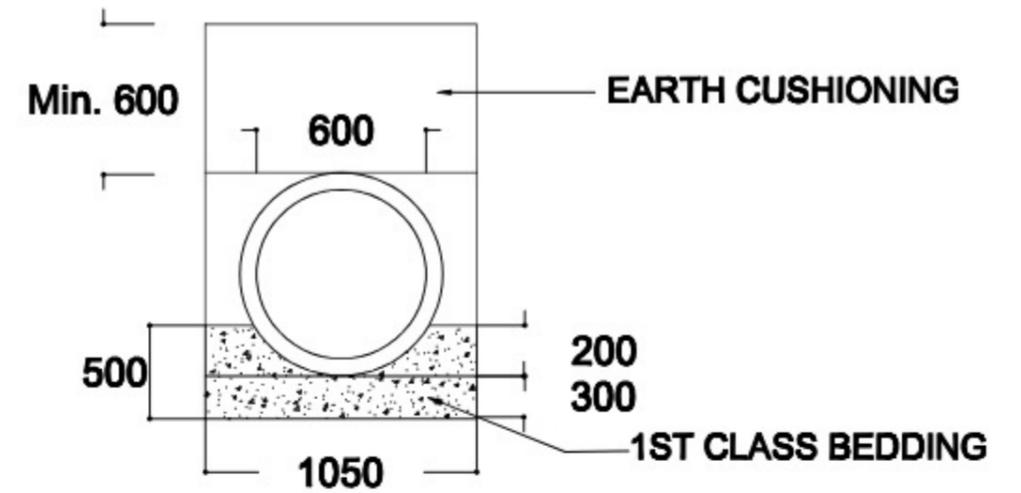
**DRAWING No. :**  
**ASSAM/SWIFT/GR-07/SD/03(B)**

**NOT TO SCALE**

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



LONGITUDINAL SECTION OF HUME PIPE CULVERT



CROSS SECTION OF HUME PIPE CULVERT



PLAN OF HUME PIPE CULVERT

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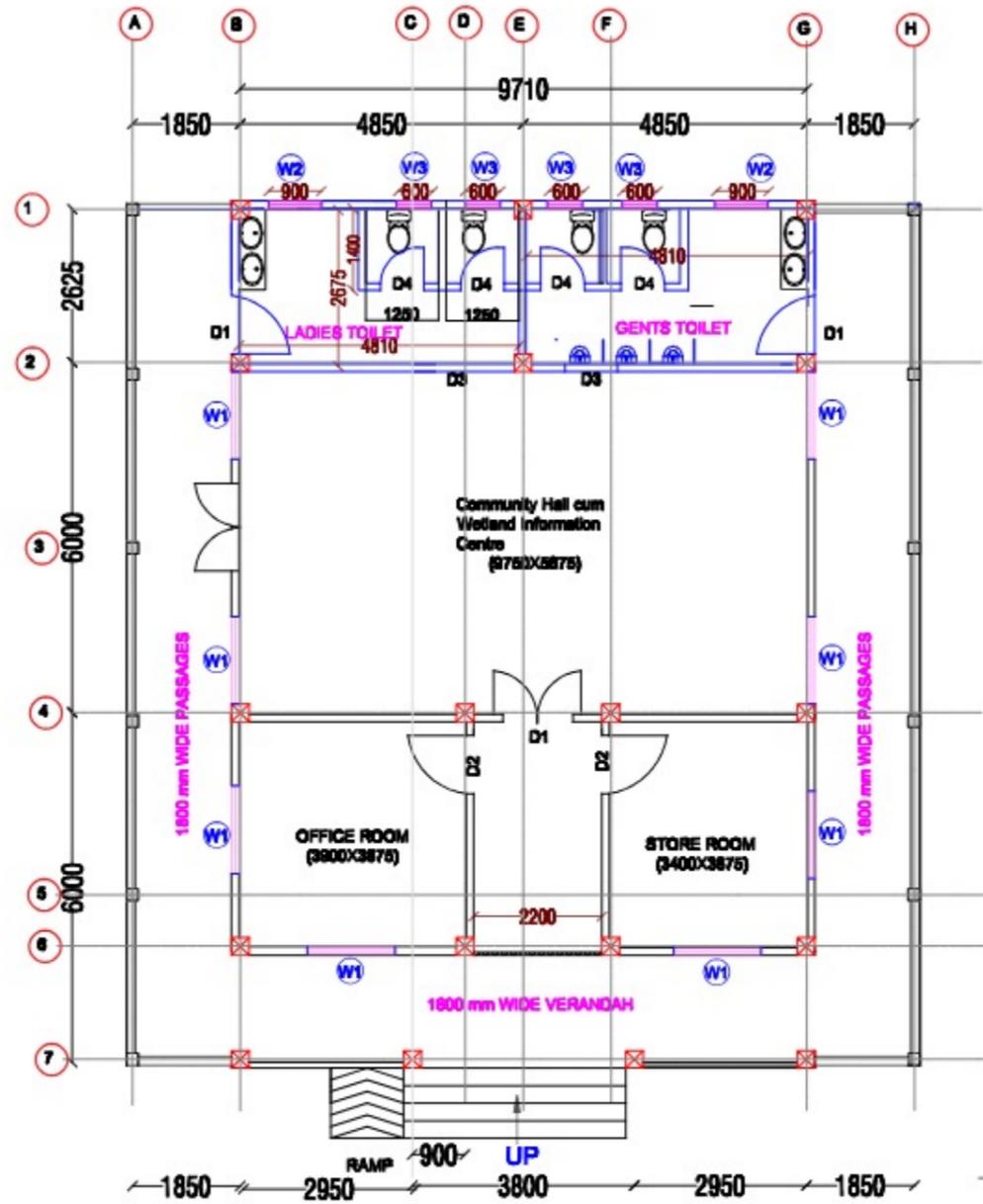
**DRAWING :**  
 GENERAL ARRANGEMENT OF LAYING PIPE  
 CULVERT, 600MM DIA

**DRAWING No. :**  
 ASSAM/SWIFT/GR-07/SD/03(D)

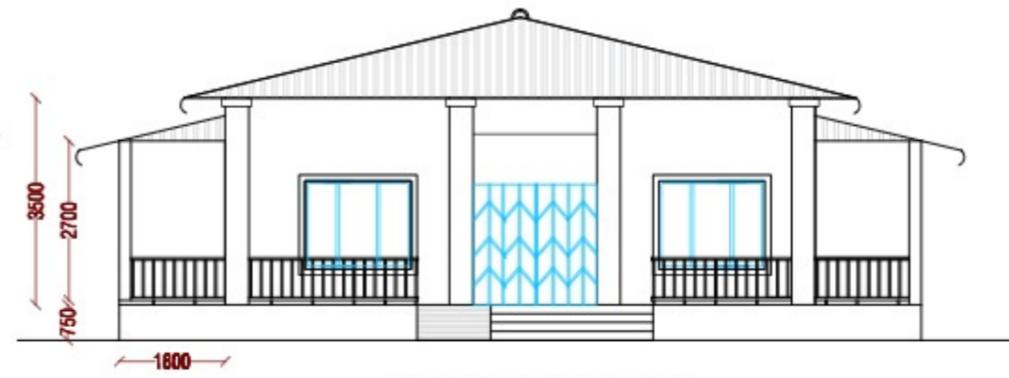
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**Assam Rural Infrastructure**  
**Agricultural Service Society**

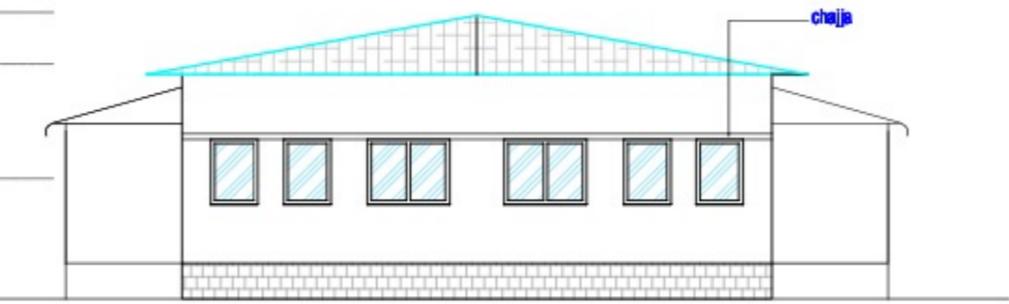




**FLOOR PLAN**

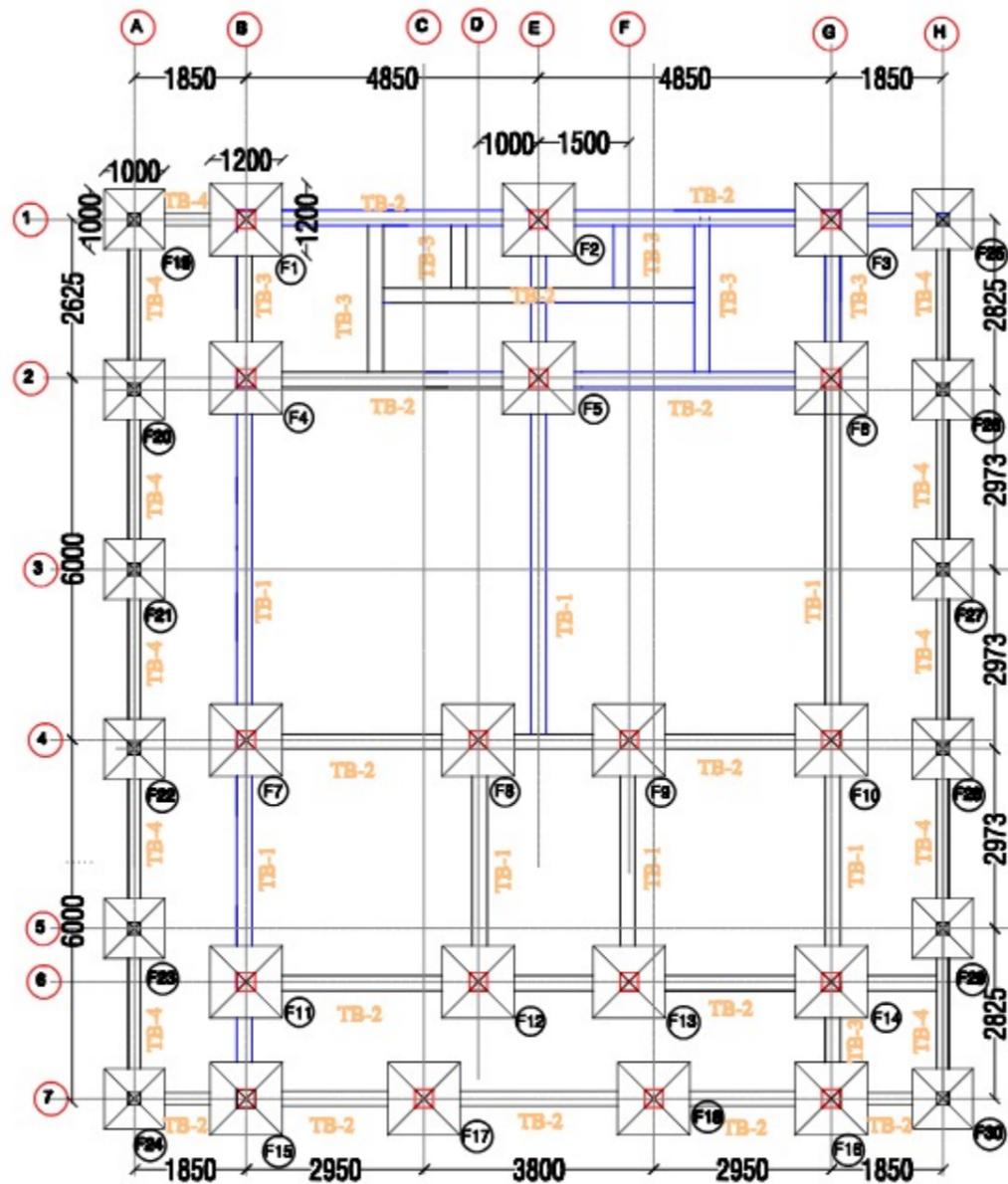


**FRONT ELEVATION**

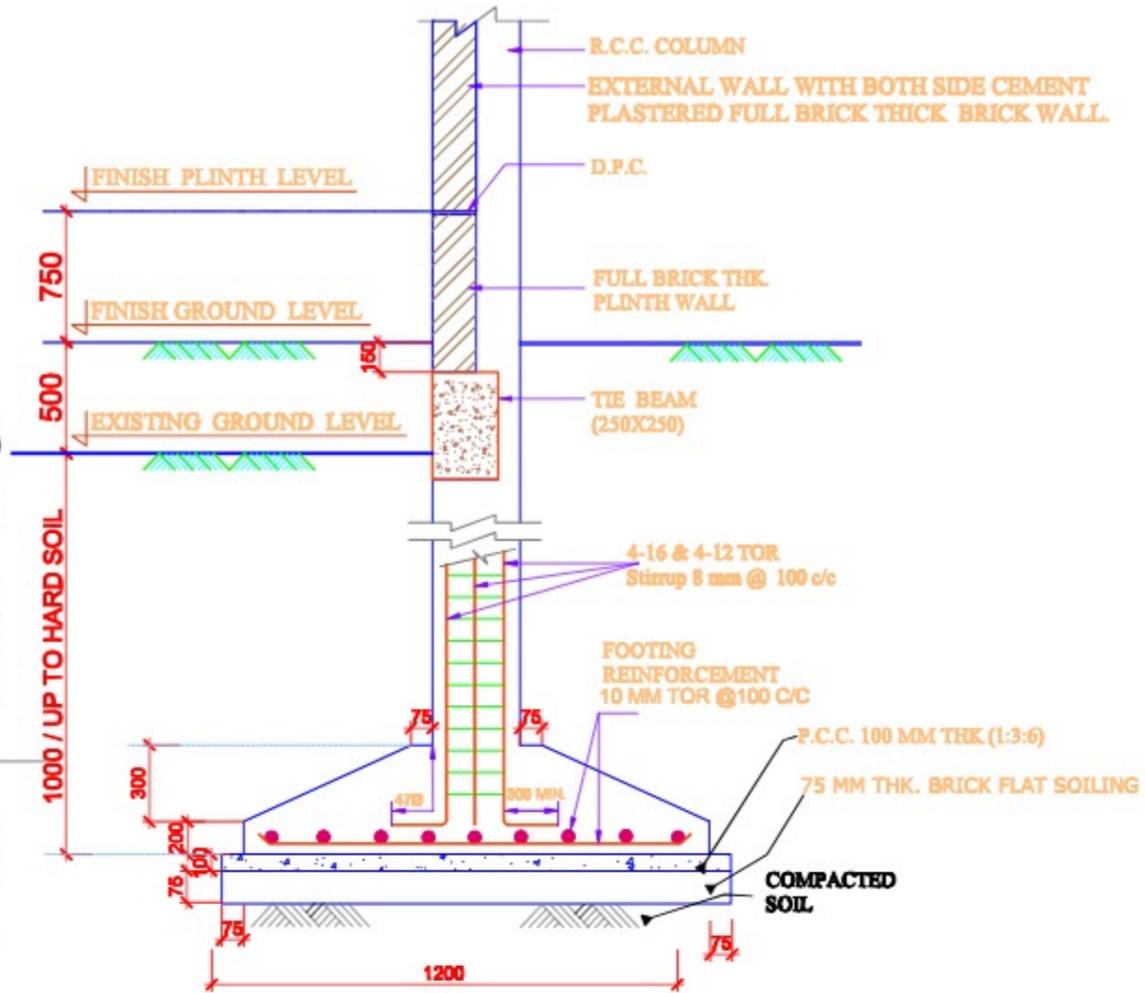


**BACK VIEW**

<b>Prepared by</b> <b>BASIC CONSULTANT</b> <small>(কামৰূপ জিলাৰ প্ৰধান কাৰ্যালয়ৰ ওচৰত)</small> <small>Corpt office Address</small> <small>স্বপ্নীয়া, পিন্ডা, পুৰী, জিলা, অসম, ৭৮১০০১</small> <small>KAMRUP Dist, Assam, Pin-781001</small> <small>email- basicconsultant@gmail.com</small> <small>Regd. Office Address</small> <small>N. HANARABARI, N.B. ROAD,</small> <small>MANAGAJI, ASSAM, PIN-781005</small> <small>email- basicconsultant2@gmail.com</small>	<b>DRAWING :</b> <b>PLAN &amp; ELEVATION</b>	<b>DRAWING No. :</b> <b>ASSAM/SWIFT/GR-07/SD/04(B)</b>	<b>NOT TO SCALE</b>	<b>ARIAS Society</b> <b>GOVERNMENT OF ASSAM</b> <b>Assam Rural Infrastructure</b> <b>Agricultural Service Society</b>
	<b>PROJECT TITLE:</b> Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project	<b>DRAWING CONTENTS:</b> Community Hall cum Wetland Information Centre		



**LAYOUT OF FOOTING & PLINTH BEAM**



**TYPICAL DETAILS OF FOUNDATION**

Schedule of Beam, Column & Footing Reinforcement			
Sl. No.	Items	Size in mm	Reinforcement Details
1	Footing (F-1to F-18)	1200X1200	12 mm Tor @100C/C (Bothways)
2	Columns (C1 to C16)	300X300	Main Bar: 4-16 & 4-12 TOR Stirrup: 8mm@100 C/C
3	Tie Beam	250X250	Main Bar: 4-12 & 1-12 extra at bottom Stirrup: 8mm@100 C/C
4	Lintel (01)	150X150	Main Bar: 4-12 TOR Stirrup: 8mm 100 C/C
5	Lintel (02)	150X150	Main Bar: 4-12 TOR Stirrup: 8mm 100 C/C
6	Column C-19 to C-30	200x200	Main bar :4 no-12# Stirrup- 8AMM@100C/C
7	Footing C-19 to C-30	1000x1000	10mm Tor @100 c/c (Both ways)

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**DRAWING :**  
**LAYOUT OF FOOTING & PLINTH BEAM**

PROJECT TITLE:  
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

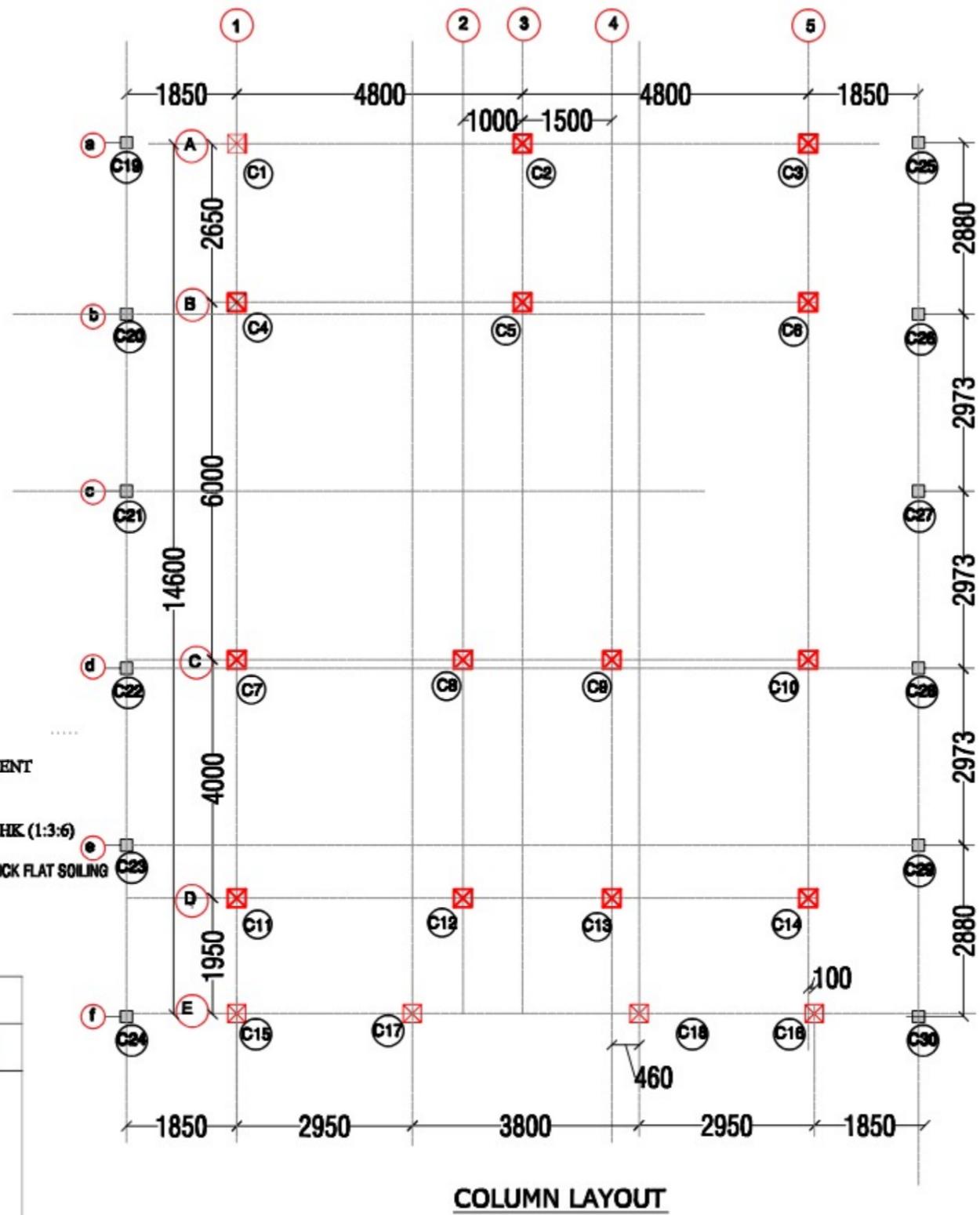
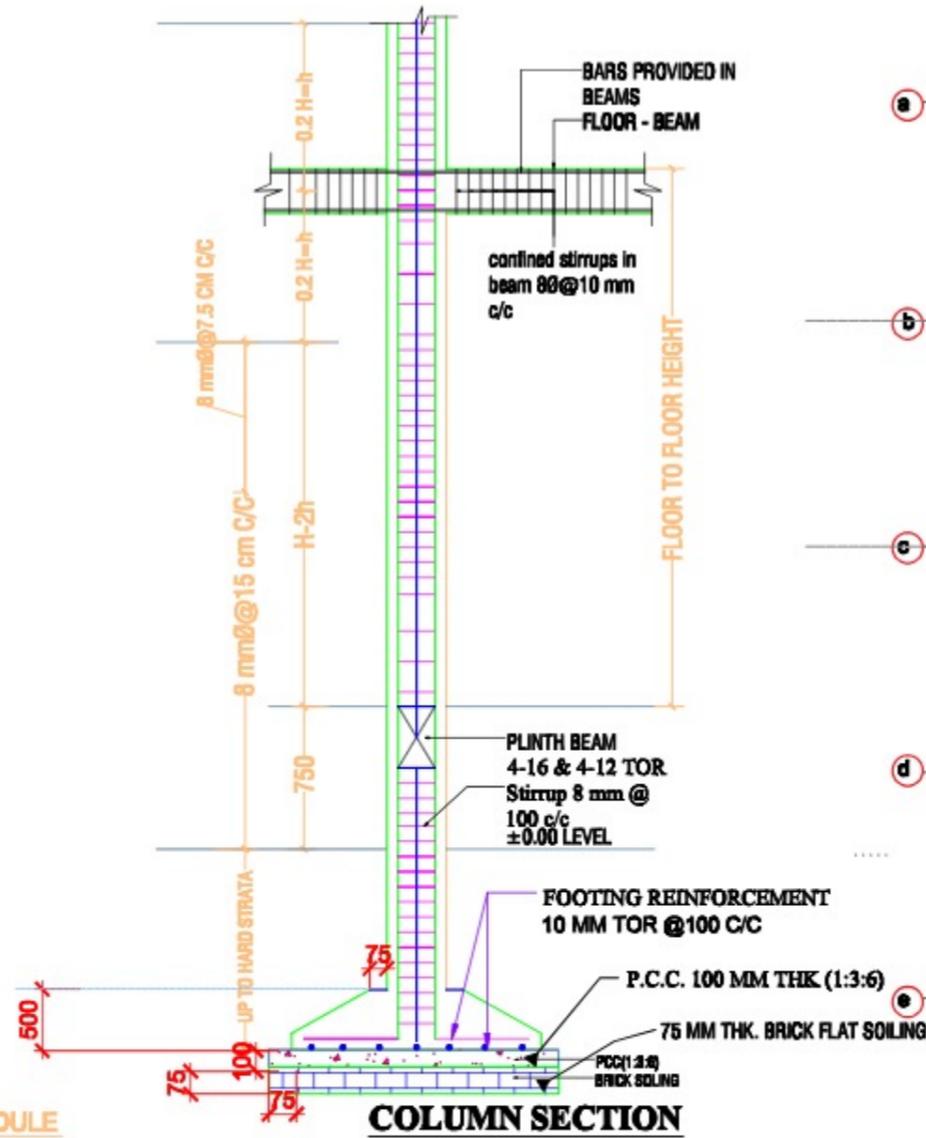
**DRAWING No. :**  
ASSAM/SWIFT/GR-07/SD/04(C)

**DRAWING CONTENTS:** Community Hall cum  
Wetland Information Centre

NOT TO SCALE

**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**

**COLUMN SECTION**  
**NOTE : FLOOR LEVELS AS PER ARCH. DRAWING**



**COLUMN SCHEDULE**

		TYPE A				
		COLUMN SIZE	COLUMN TYPE	SPECIFICATION	BAR SIZE	TIES
GROUND TO RIDGE COLUMN DETAIL	ARRANGE MENT OF LINKS	300X300		4-16Ø + 4-12Ø		A-16 MM B-12 MM 8 MM BAR AS PER SPECIFIED
	COLUMN DETAIL C1,C2,C3,C4,C5,C6, C7,C8,C9,C10,C11, C12,C13,C14,C15, C16,C17,C18					
	C19 to C30	200X200		4-12Ø	A-12 MM	

**COLUMN LAYOUT**

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**DRAWING :**  
 LAYOUT OF COLUMN

PROJECT TITLE:  
 Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

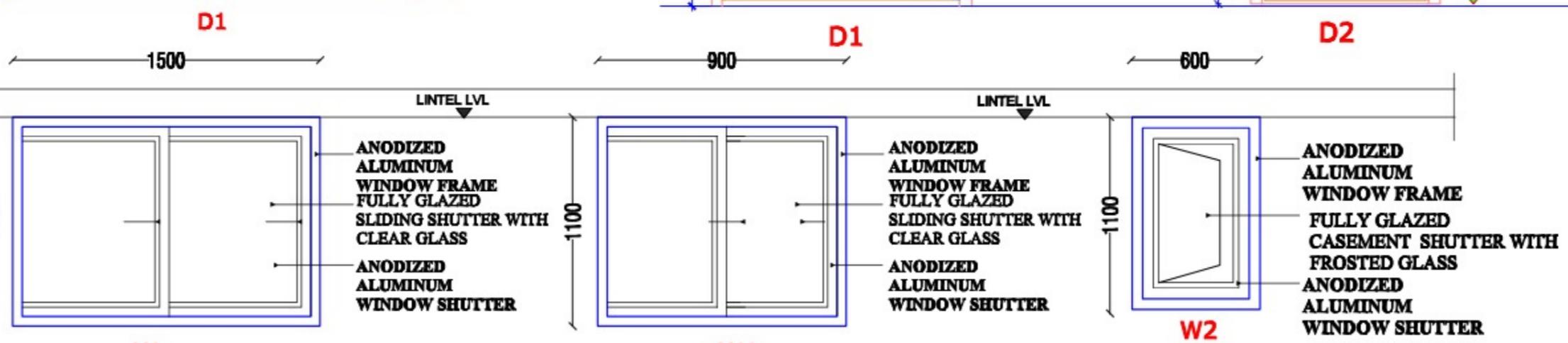
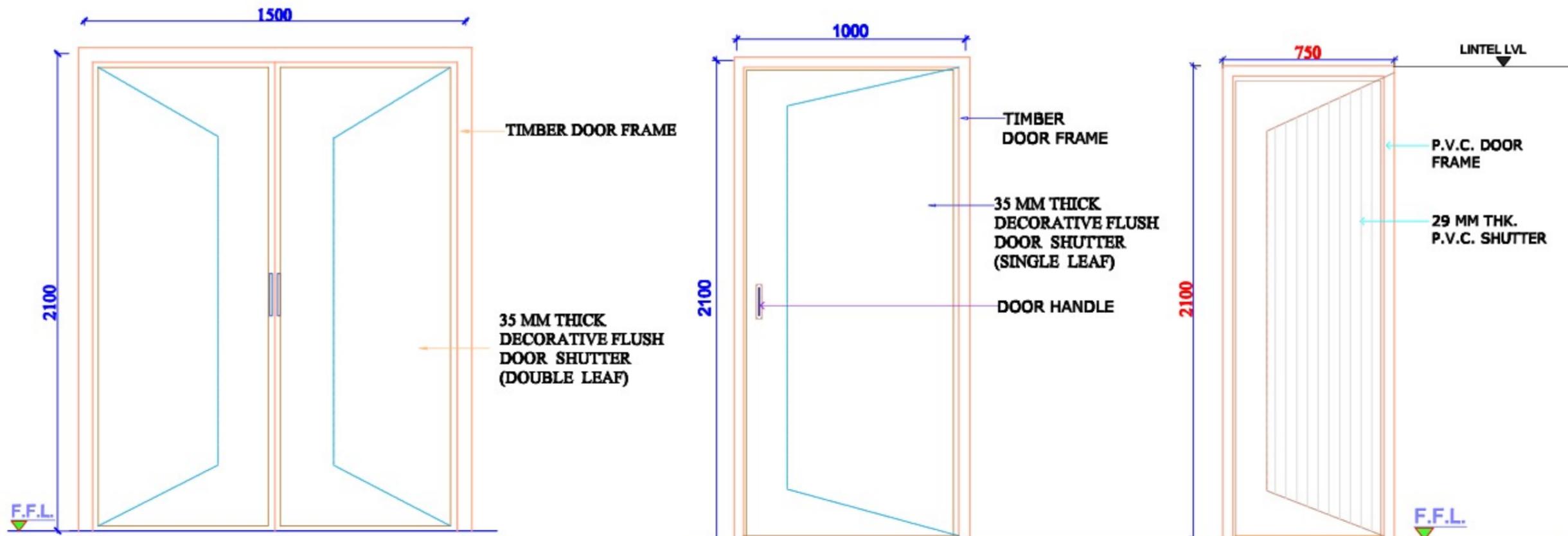
**DRAWING No. :**  
 ASSAM/SWIFT/GR-07/SD/04(D)

**DRAWING CONTENTS:** Community Hall cum  
 Wetland Information Centre

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SL. NO.	TYPE	DESCRIPTION	DIMENSION	LINTEL LVL	SILL LVL
1.	D	DOUBLE LEAF WOODEN DOOR	1500x2100	2100	-
2.	D1	FLUSH DOOR	1000x2100	2100	-
3.	D2	PVC DOOR	750 x2100	2100	-
4.	W	ALUMINIUM WINDOW	1500x1100		-
5.	W1	ALUMINIUM WINDOW	900x1100		-
6.	W2	ALUMINIUM WINDOW	600x1100		-

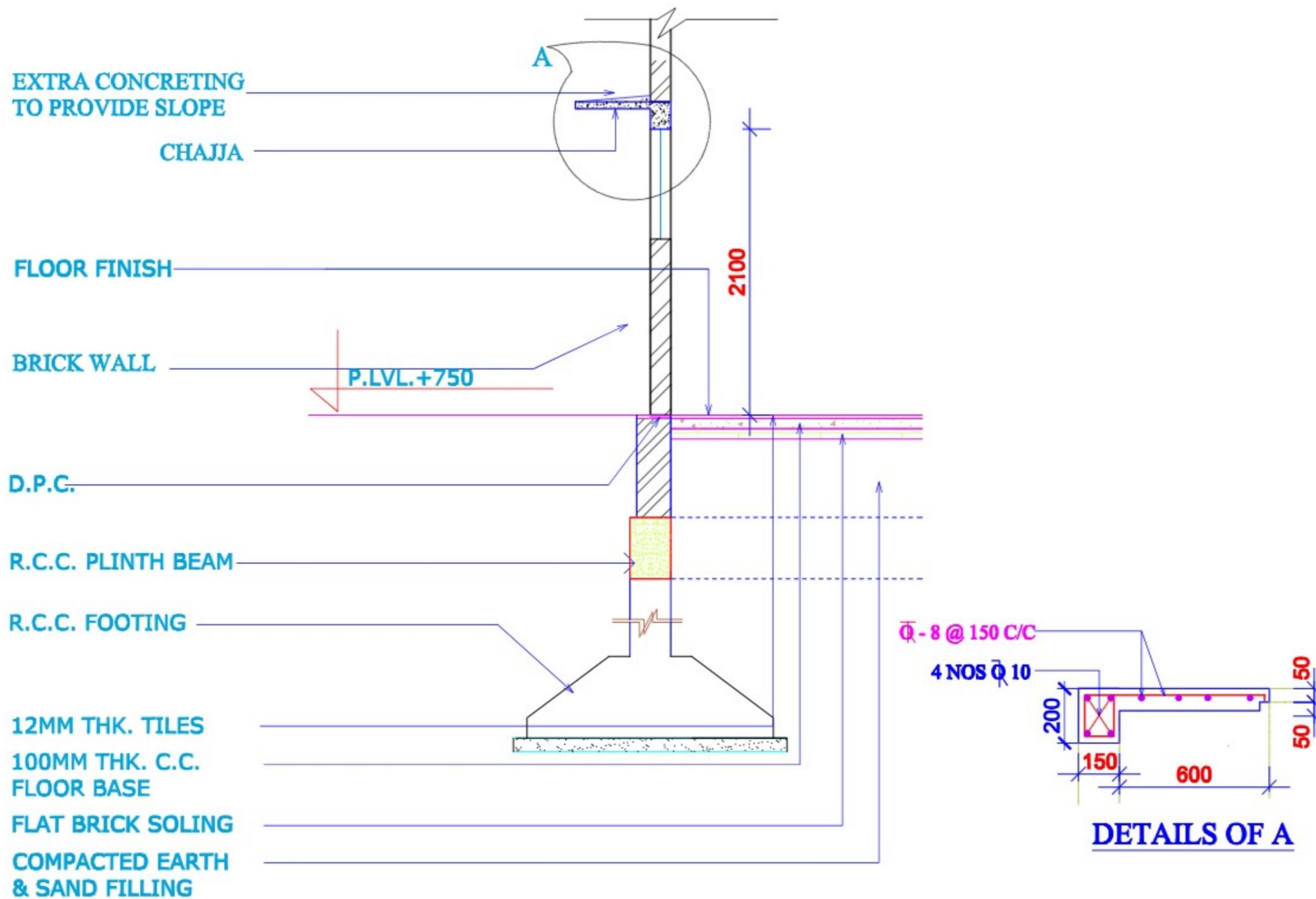
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**DRAWING :**  
 DETAIL & SCHEDULE OF DOORS & WINDOWS  
 PROJECT TITLE:  
 Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

**DRAWING No. :**  
 ASSAM/SWIFT/GR-07/SD/04(F)  
 DRAWING CONTENTS: Community Hall cum  
 Wetland Information Centre

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**GOVERNMENT OF ASSAM**  
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**GENERAL SECTION THROUGH R.C.C.  
LINTEL , WINDOW & FLOOR.**

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**DRAWING :**  
**CHAJJA DETAILS**

PROJECT TITLE:  
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

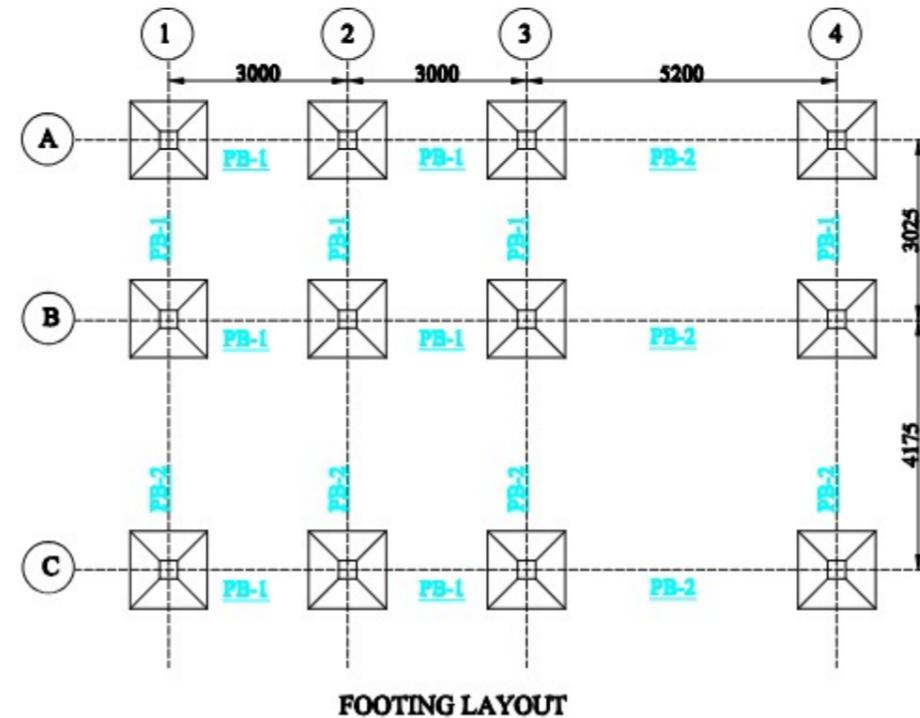
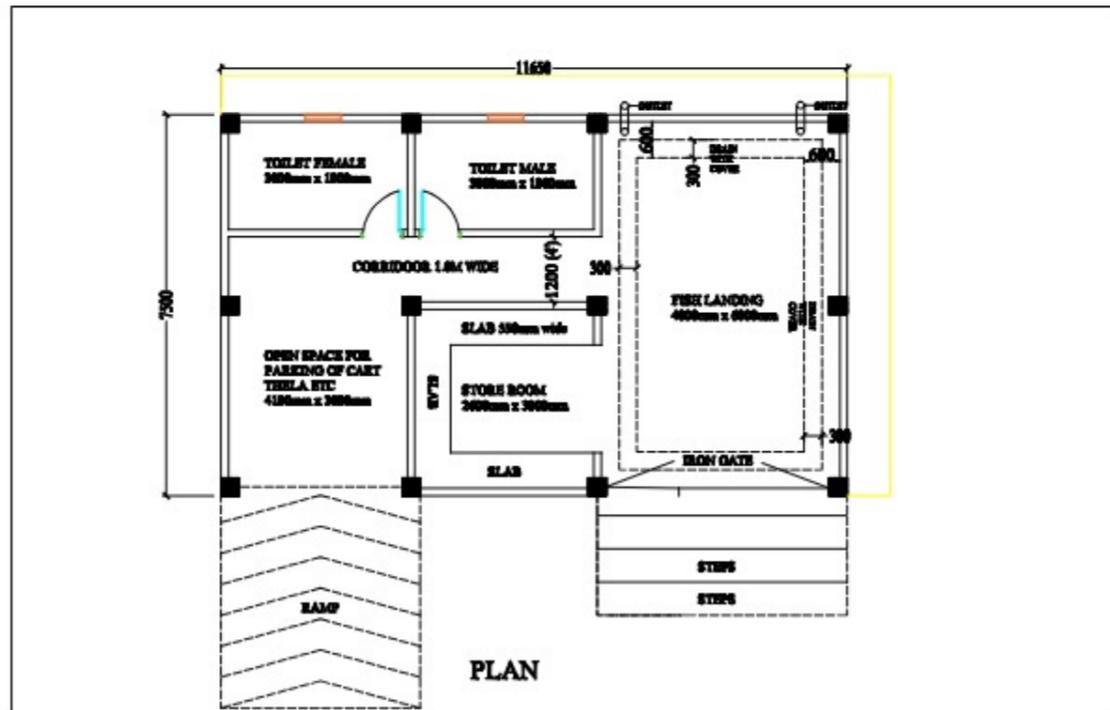
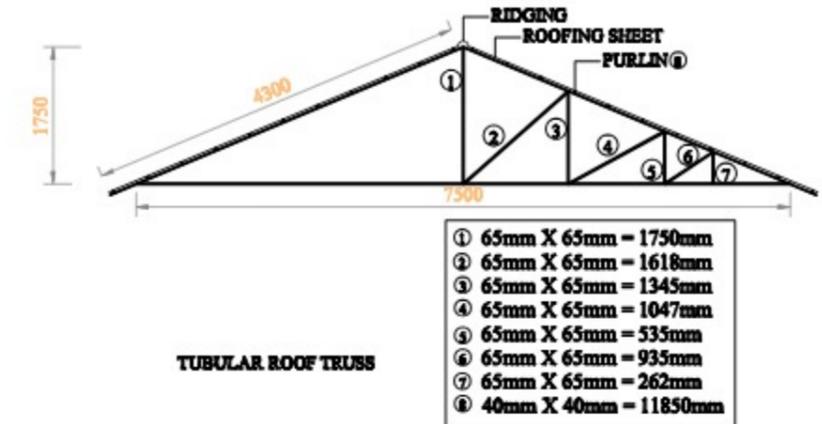
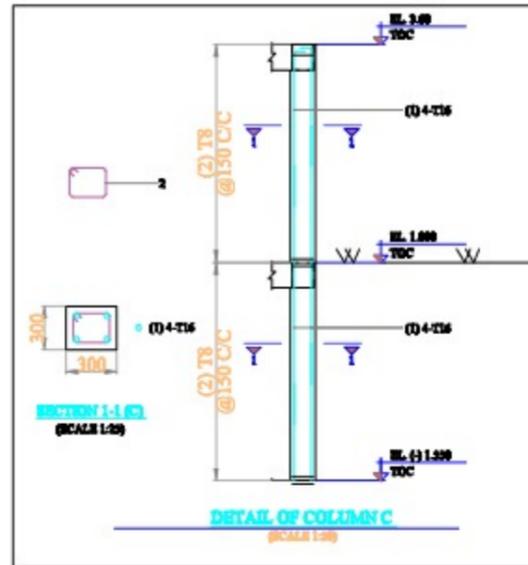
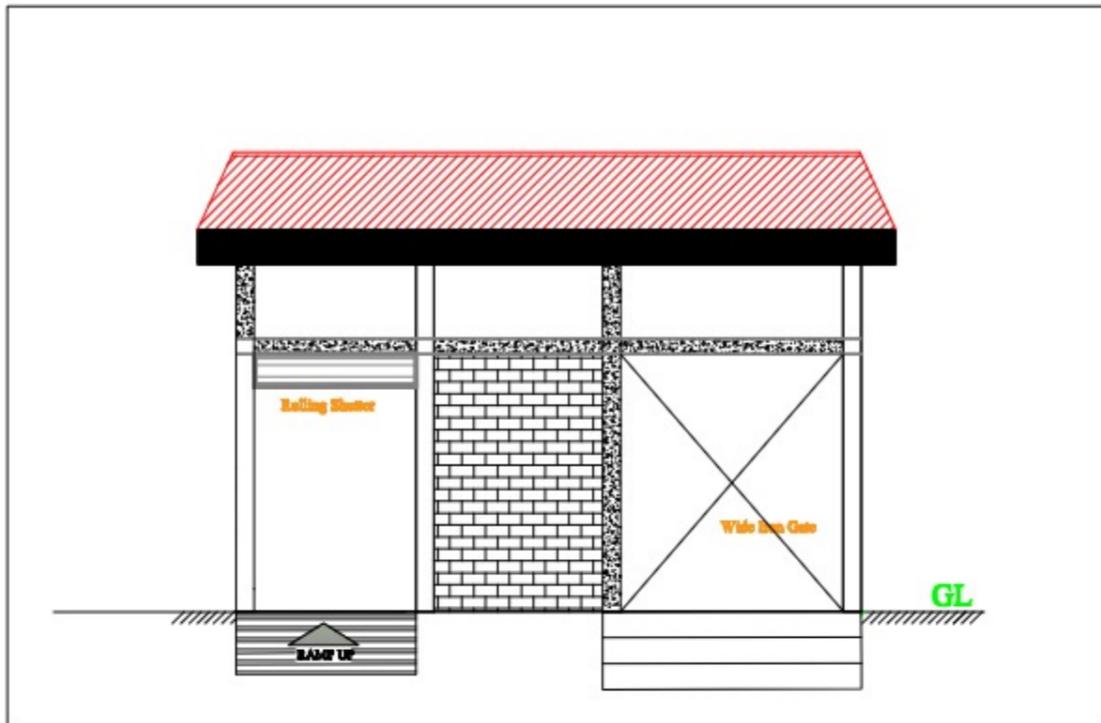
**DRAWING No. :**  
**ASSAM/SWIFT/GR-07/SD/04(G)**

**DRAWING CONTENTS:** Community Hall cum  
Wetland Information Centre

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**Assam Rural Infrastructure**  
**Agricultural Service Society**





**NOTE:**

1. COLUMN SIZE = 300MM X 300MM
2. PLINTH BEAM SIZE = 300MM X 350MM
3. BEAM SIZE ABOVE GL = 200MM X 250MM
4. SIZE OF LINTEL = 150MM X 150MM
5. SIZE OF WINDOW = 1.50M X 1.20M
6. SIZE OF DOOR = 0.75M X 1.80M

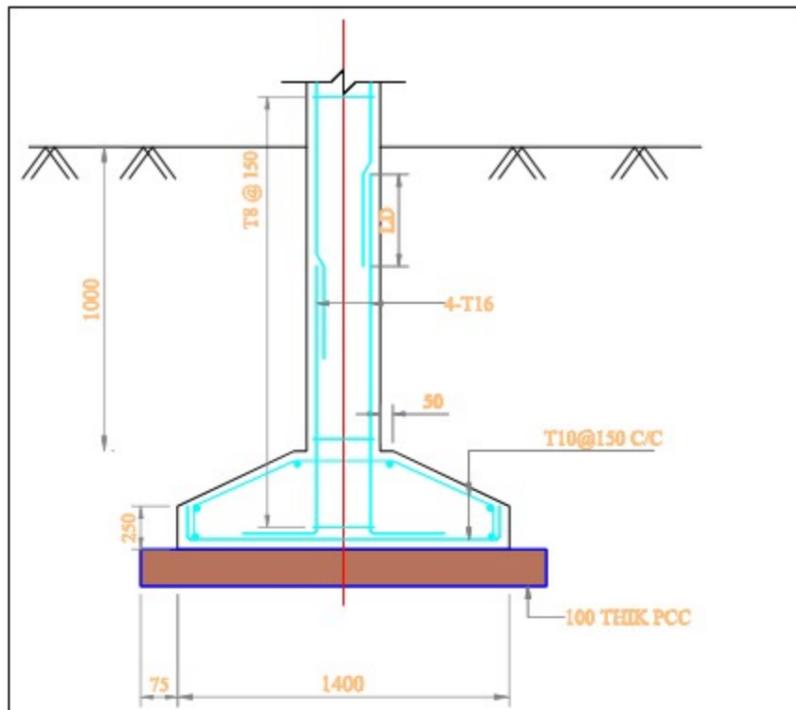
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 email: basicconsultant@gmail.com

**DRAWING :**  
 PLAN, ELEVATION & CS OF FISH  
 LANDING CENTRE

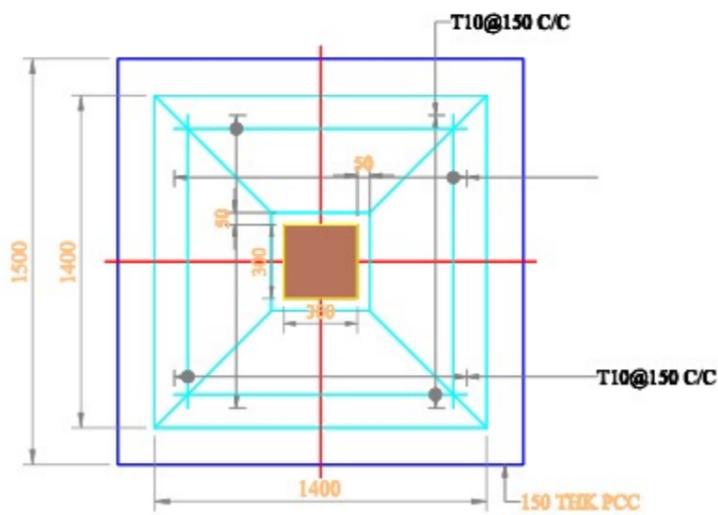
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 ASSAM/SWIFT/GR-07/SD/05(B)

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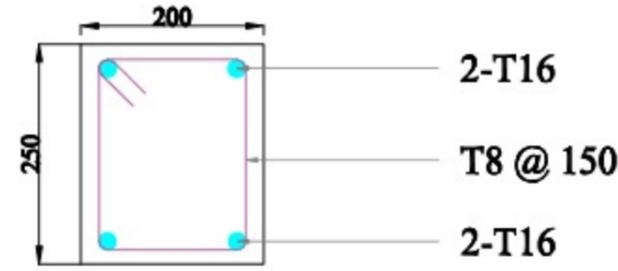
**ARIAS Society**  
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**Assam Rural Infrastructure**  
**Agricultural Service Society**



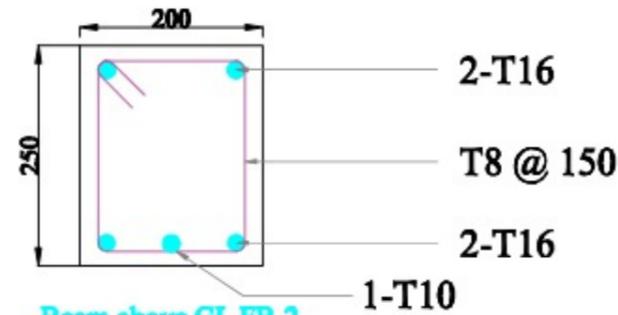
**SECTION 1-1  
DETAIL OF FOOTING**



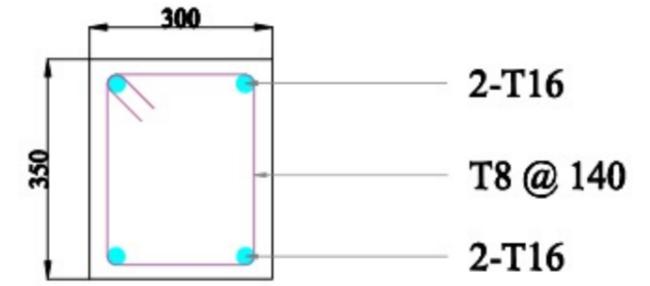
**FOOTING - PLAN**



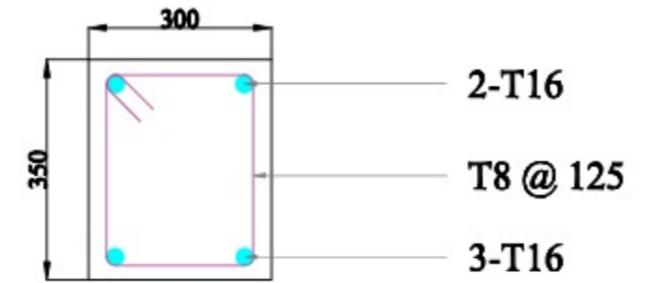
**Beam above GL, FB-1**



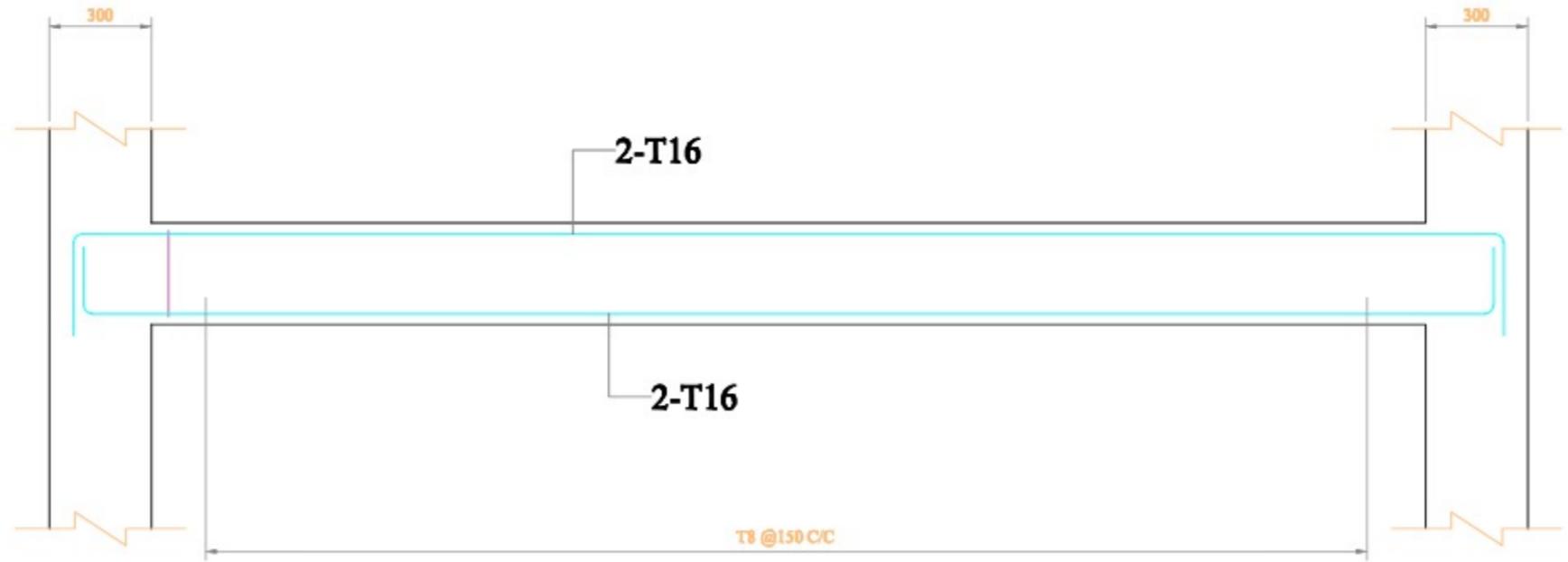
**Beam above GL, FB-2**



**Plinth Beam Section PB-1**



**Plinth Beam Section PB-2**



**BEAM:300x350**

**(SCALE: H = 1:50 / V = 1:50)**

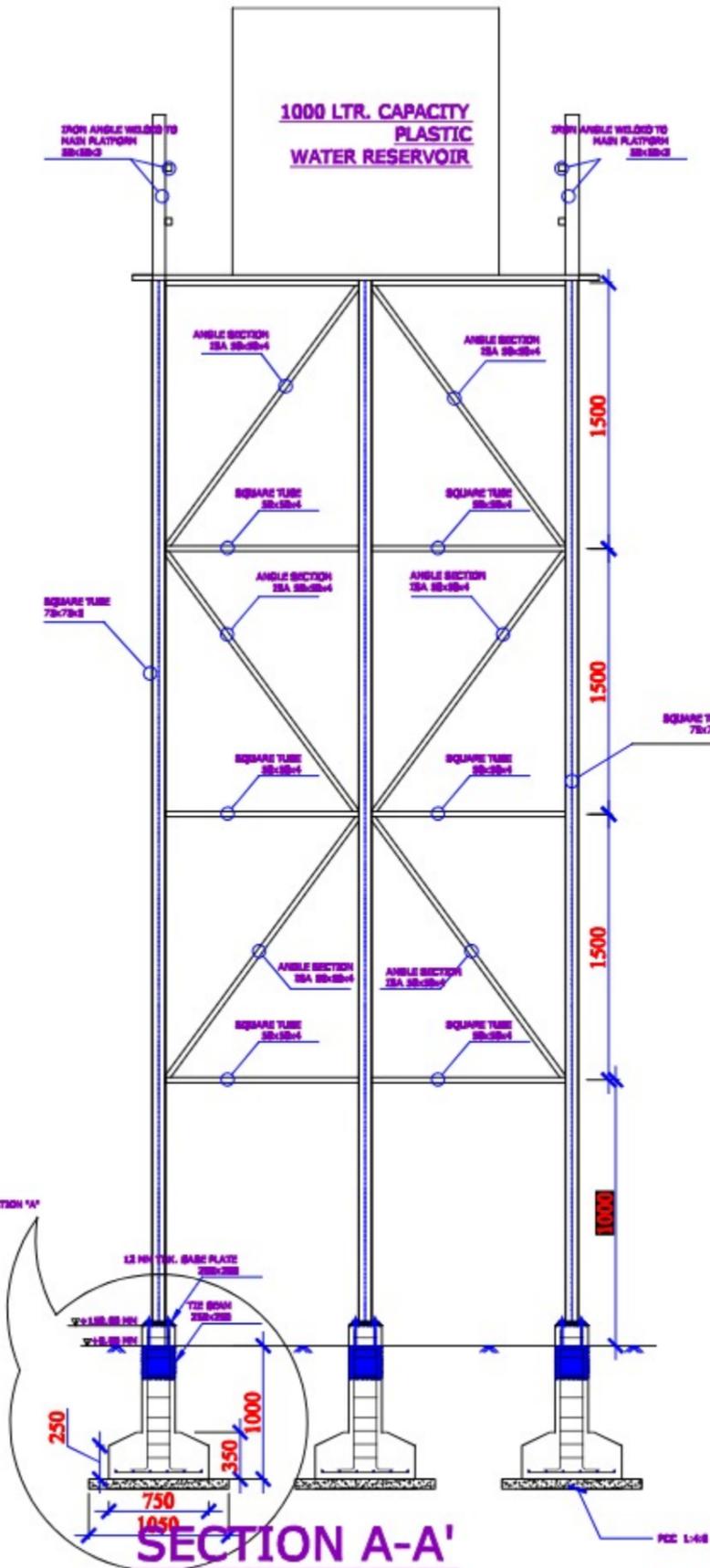
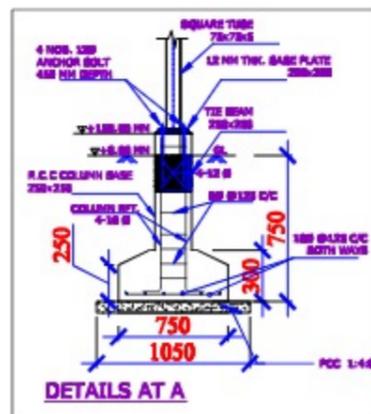
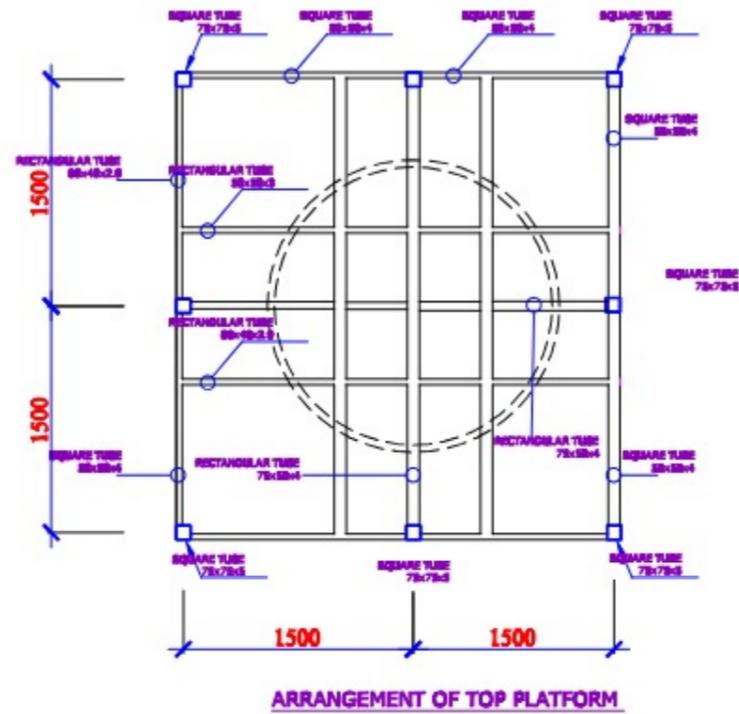
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**DRAWING :**  
STRUCTURAL DETAILS OF  
FISH LANDING UNIT

**DRAWING No. :**  
ASSAM/SWIFT/GR-07/SD/05(C)

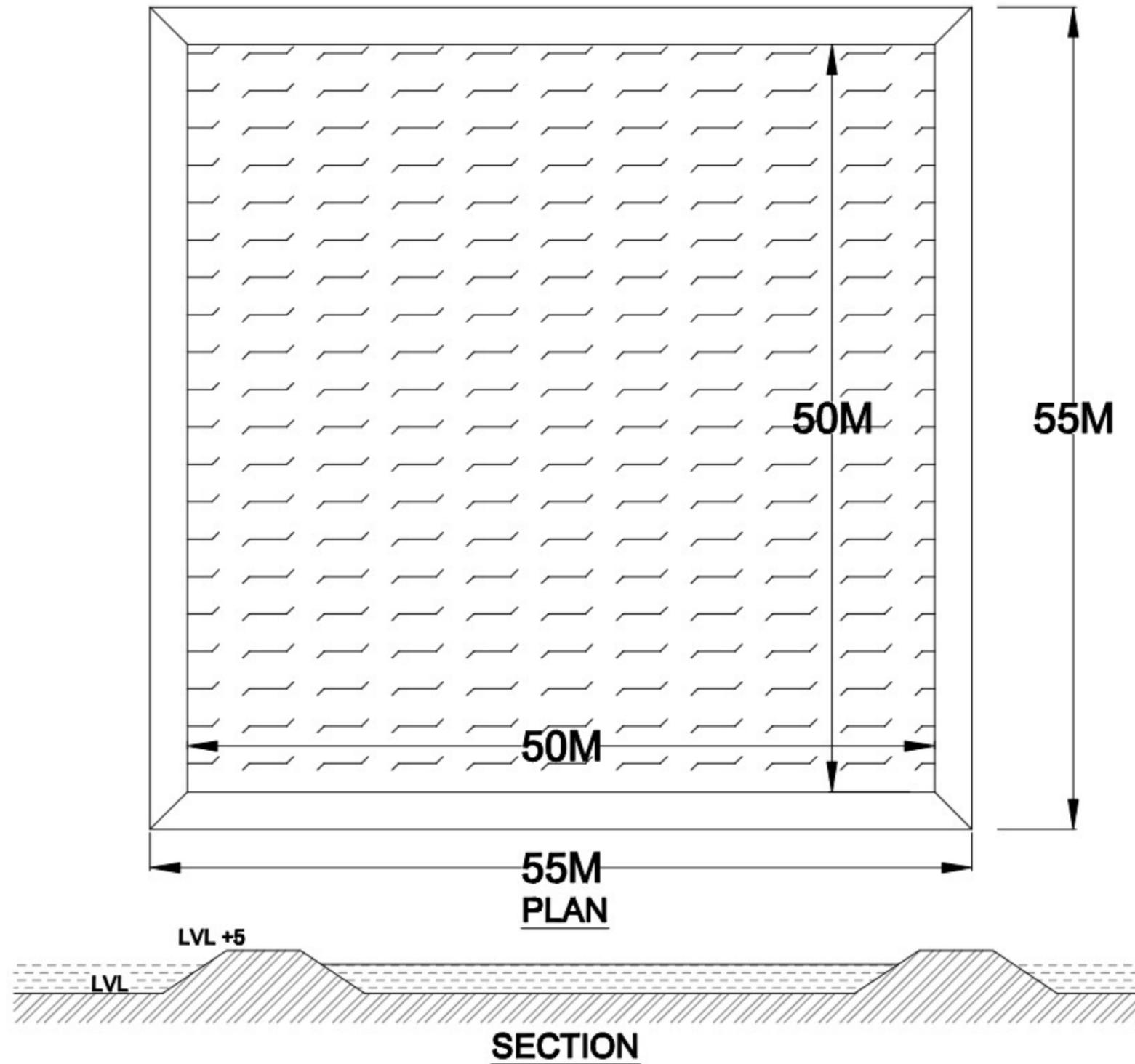
NOT TO SCALE

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**Assam Rural Infrastructure**  
**Agricultural Service Society**



- NOTES :-**
1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE MENTIONED.
  2. MINIMUM GRADE OF CONCRETE TO BE USED M20
  3. MINIMUM GRADE OF REINFORCEMENT TO BE USED Fe 500
  4. CLEAR COVER TO OUTER MOST REINFORCEMENT SHALL BE AS UNDER:-  
FOR FOOTING : 50mm.  
FOR TIE BEAM : 40mm

# TYPICAL PLAN & SECTION OF REARING TANK



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## DRAWING :

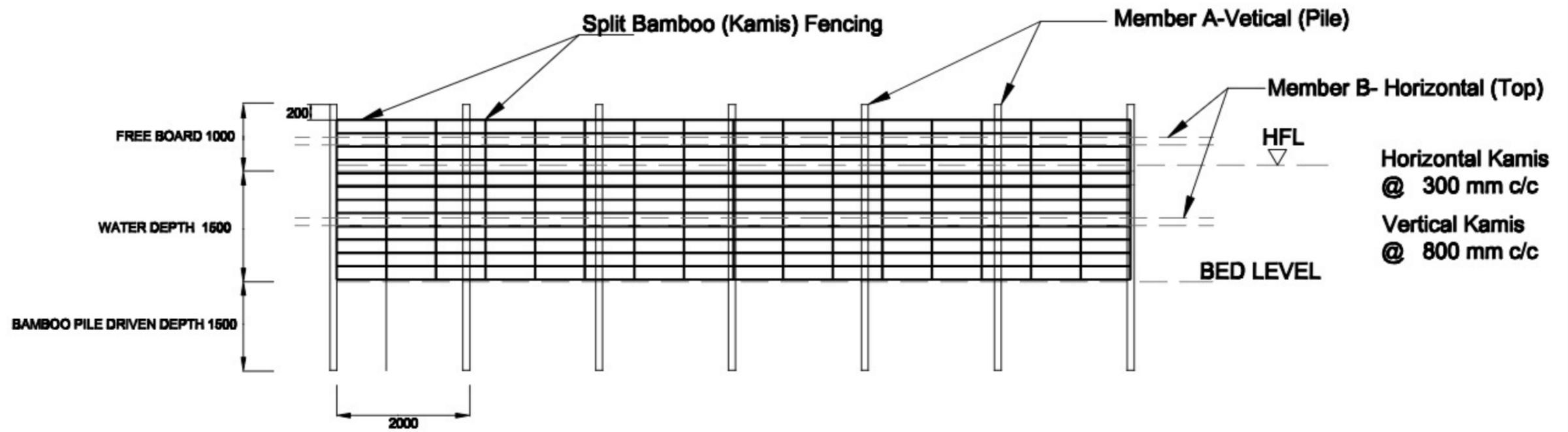
PLAN & TYP. CS OF REARING TANK

## DRAWING No. :

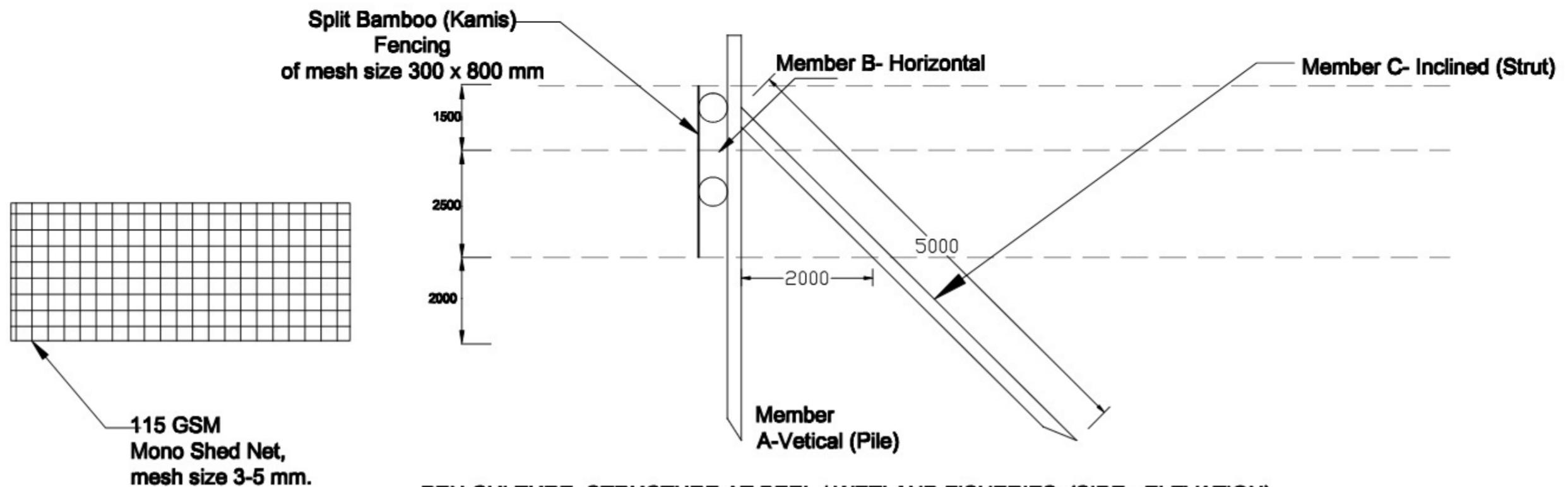
ASSAM/SWIFT/GR-07/SD/07

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PEN CULTURE STRUCTURE AT BEEL / WETLAND FISHERIES. (FRONT - ELEVATION)



PEN CULTURE STRUCTURE AT BEEL / WETLAND FISHERIES. (SIDE - ELEVATION)

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**DRAWING :**

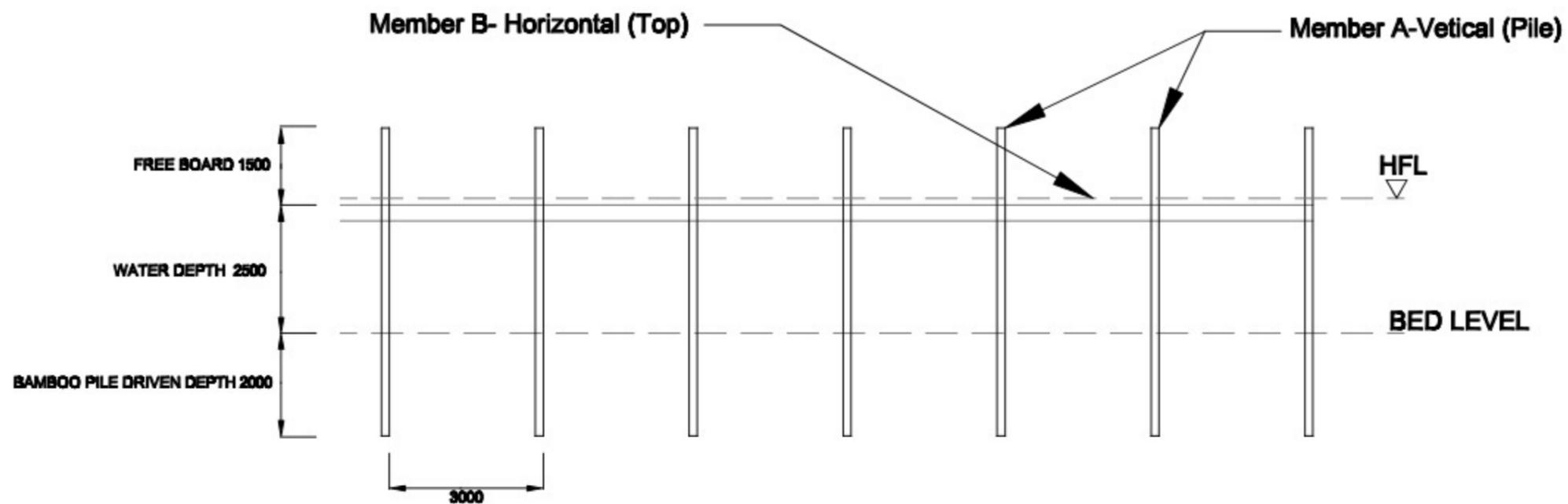
GENERAL ARRANGEMNT OF PEN CULTURE

**DRAWING No. :**

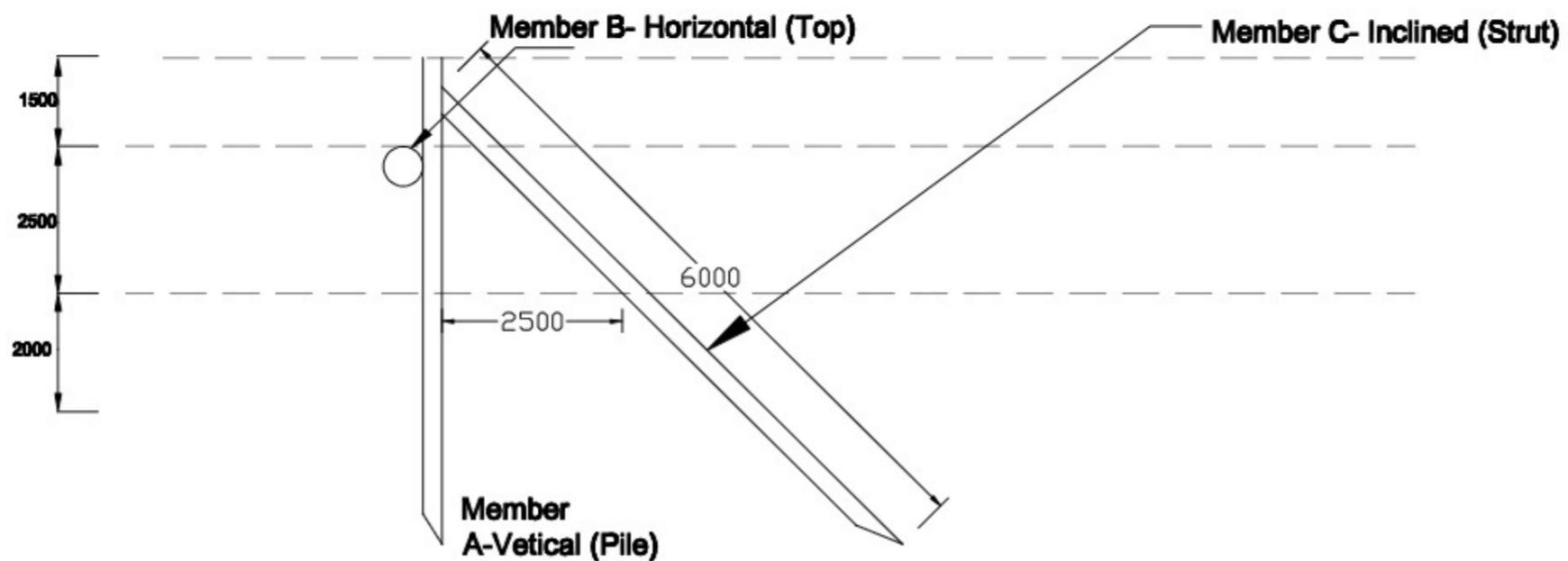
ASSAM/SWIFT/GR-07/SD/08

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**Agricultural Service Society**



KATAL / CATTLE FISHING STRUCTURE AT BEEL / WETLAND FISHERIES. (FRONT - ELEVATION)



KATAL / JENG STRUCTURE AT BEEL / WETLAND FISHERIES. (SIDE - ELEVATION)

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**DRAWING :**

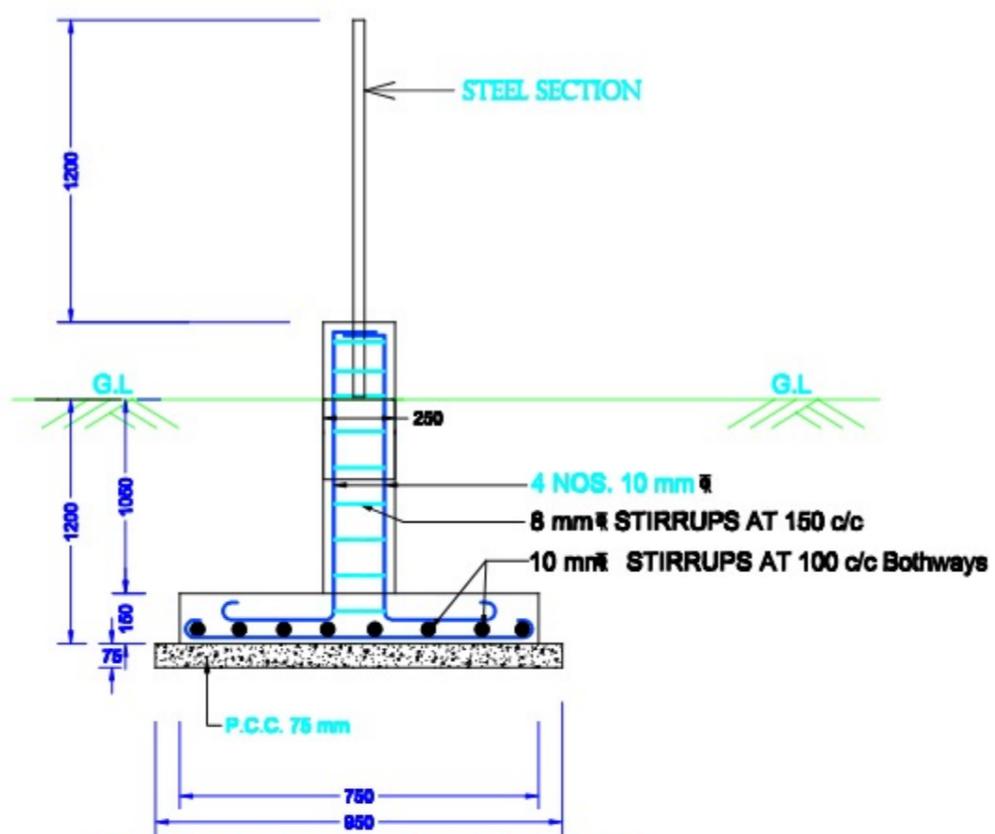
GENERAL ARRANGEMENT OF KATAL/JENG

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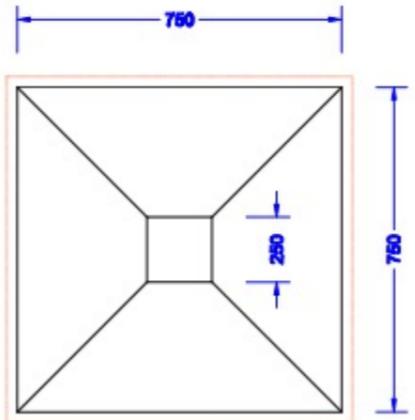
ASSAM/SWIFT/GR-07/SD/09

NOT TO SCALE

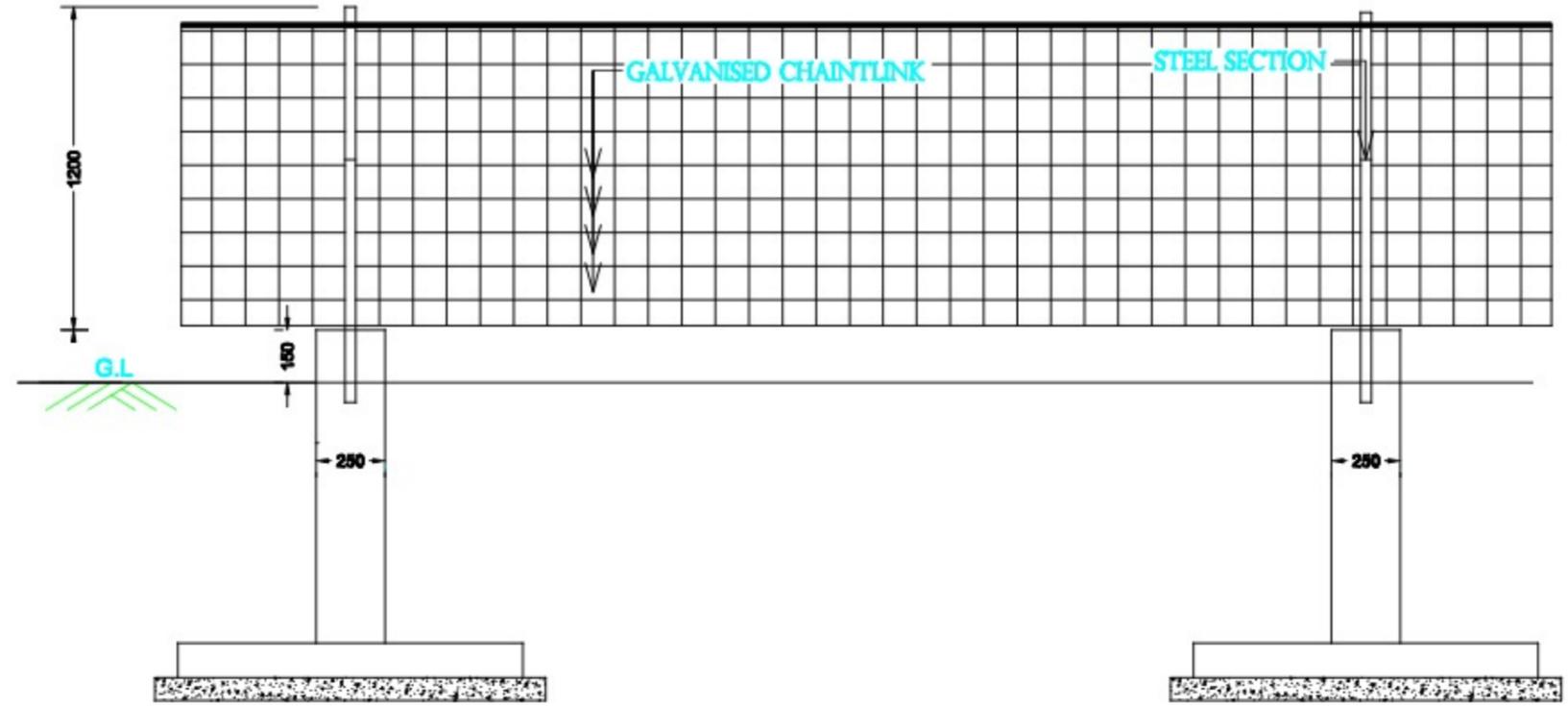
**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



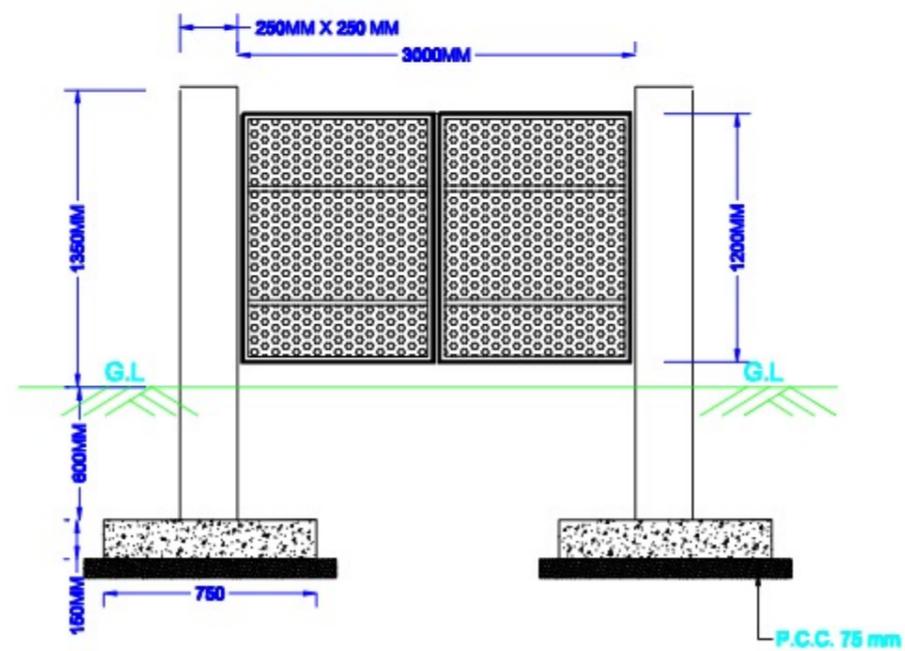
**DETAIL OF FOOTING & COLUMN**



**PLAN FOR FOUNDATION**



**ELEVATION OF FENCING**



**ELEVATION OF IRON GATE**

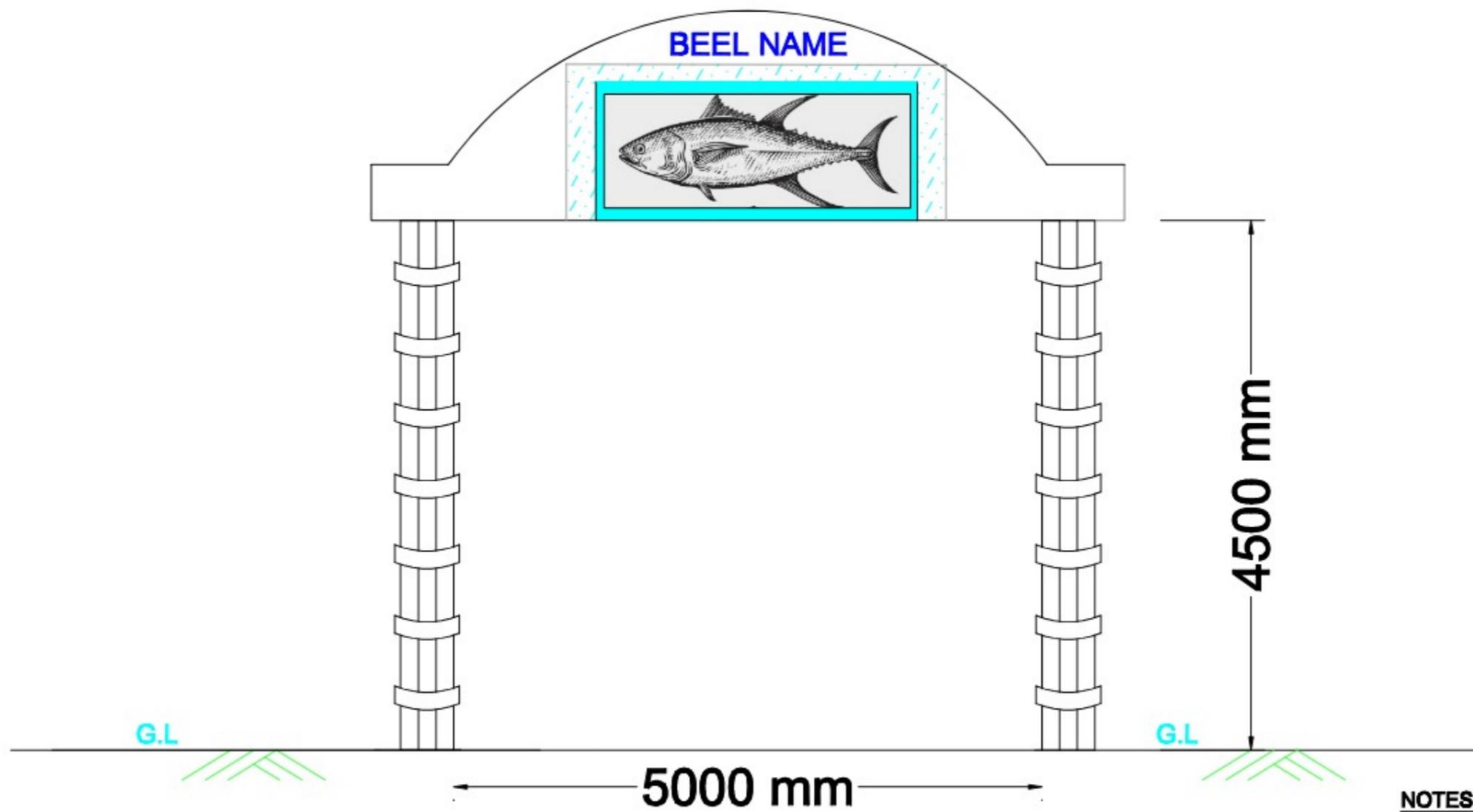
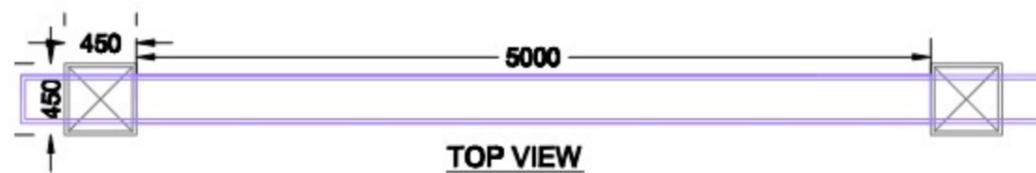
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 Email: basicconsultant@gmail.com

**DRAWING :**  
**PLAN & CS OF FENCING WITH IRON GATE**

**DRAWING No. :**  
**ASSAM/SWIFT/GR-07/SD/10**

**NOT TO SCALE**

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**Assam Rural Infrastructure**  
**Agricultural Service Society**



**NOTES :-**

1. ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE MENTIONED.
2. PAINTING ITEMS ARE USED ON THE TOP WALL & BEAMSECTION
3. 8MM THICK GRANITE STONE TILE WORK ARE PROVIDED AROUND THE COLUMN .

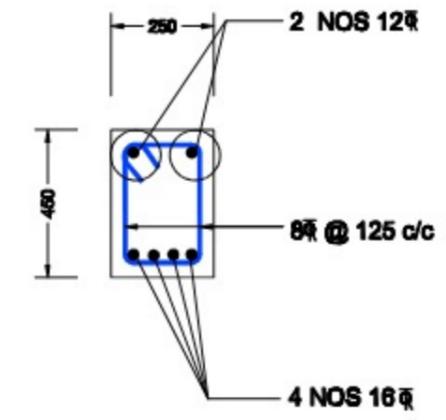
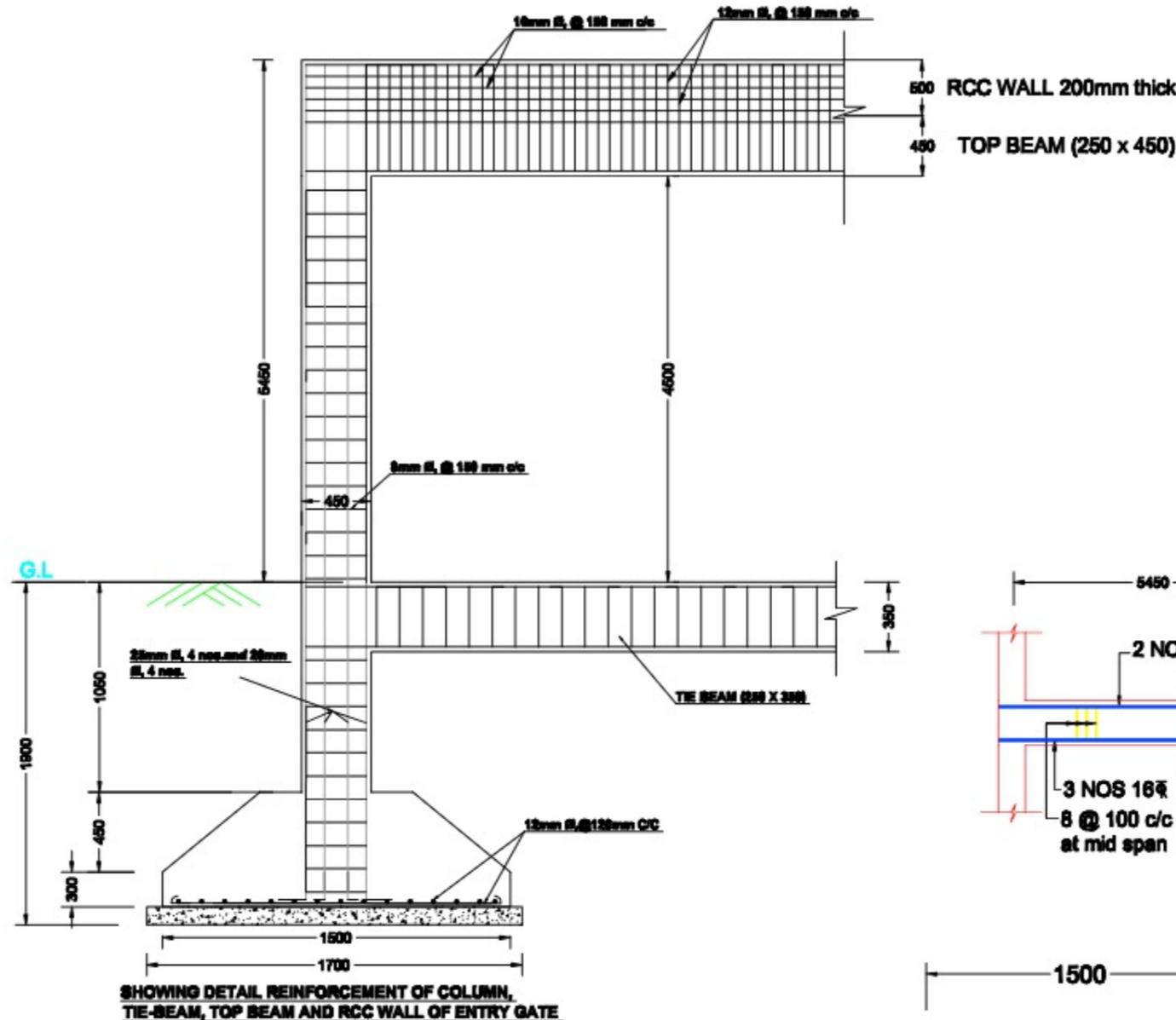
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 JORHAT, ASSAM, PIN-781002  
 Email:-basicconsultant@gmail.com

**DRAWING :**  
**PLAN & ELEVATION OF**  
**ENTRY GATE**

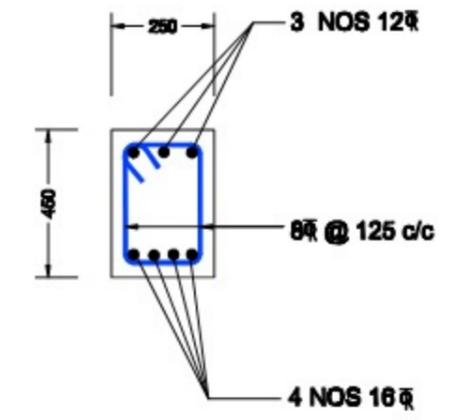
**DRAWING No. :**  
**ASSAM/SWIFT/GR-07/SD/11(A)**

**NOT TO SCALE**

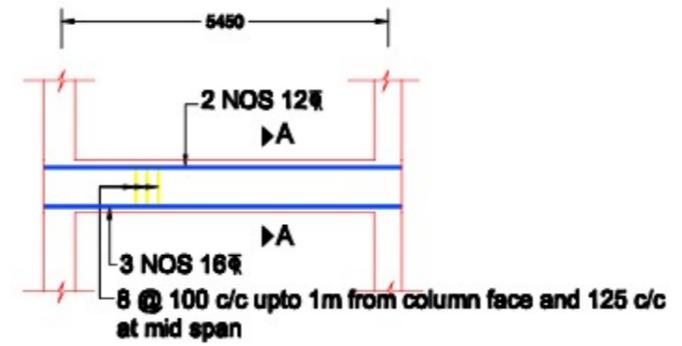
**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



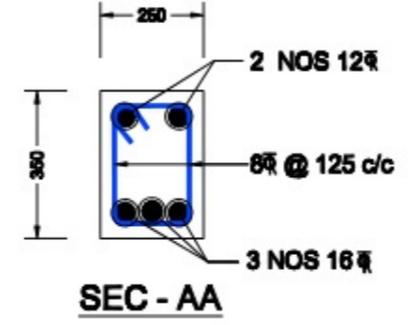
**SECTION AT MID SPAN FOR TOP BEAM**



**SECTIONS NEAR SUPPORT FOR TOP BEAM**



**DETAIL OF TIE BEAM**

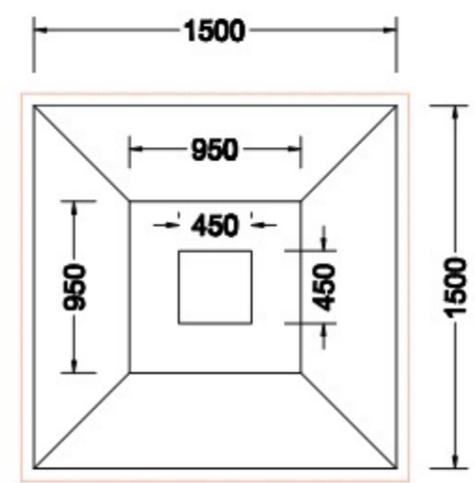


**SEC - AA**

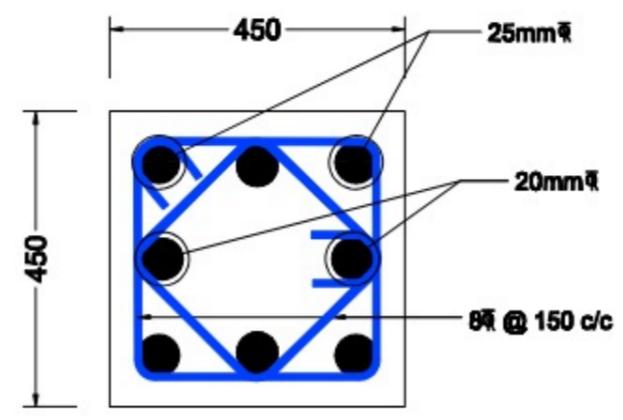
SHOWING DETAIL REINFORCEMENT OF COLUMN, TIE-BEAM, TOP BEAM AND RCC WALL OF ENTRY GATE

**NOTES :-**

1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE MENTIONED.
2. MINIMUM GRADE OF CONCRETE TO BE USED M20
3. MINIMUM GRADE OF REINFORCEMENT TO BE USED Fe 500
4. CLEAR COVER TO OUTER MOST REINFORCEMENT SHALL BE AS UNDER:-  
 FOR COLUMN : 40mm.  
 FOR FOOTING : 50mm.  
 FOR TIE BEAM : 40mm  
 FOR LINTELS : 25mm



**PLAN FOR FOUNDATION**



**COLUMN CROSS SECTION**

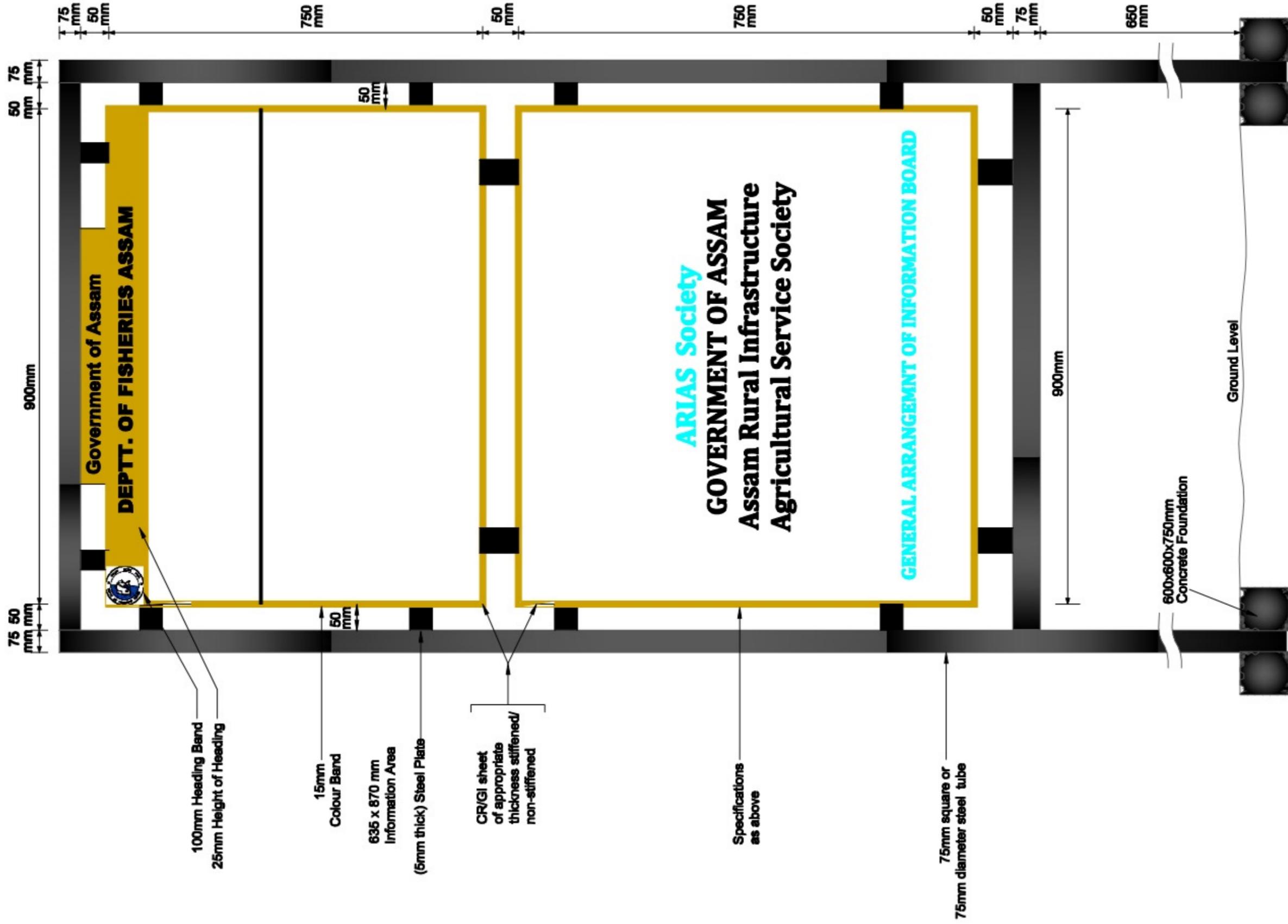
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**DRAWING :**  
**STRUCTURAL DETAILS OF ENTRY GATE**

**DRAWING No. :**  
 ASSAM/SWIFT/GR-07/SD/11(B)

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**ARIAS Society**  
**GOVERNMENT OF ASSAM**  
**Assam Rural Infrastructure**  
**Agricultural Service Society**



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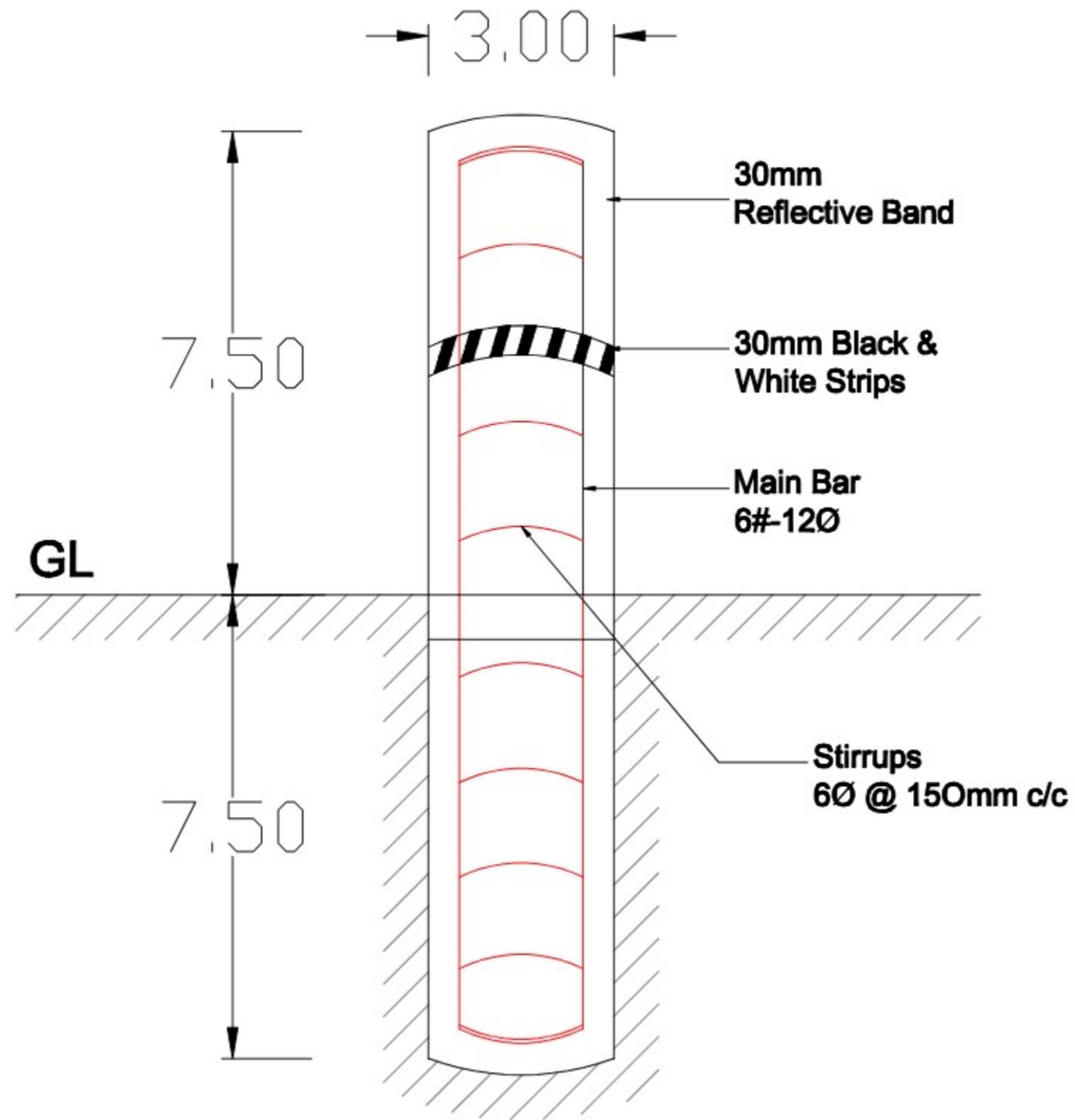
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**DRAWING:**  
 GENERAL ARRANGEMENT OF  
 INFORMATION BOARD

**DRAWING No.:**  
 ASSAM/SWIFT/GR-07/SD/12

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**DRAWING :**

**GENERAL ARRANGEMNT OF DEMARCATION  
 PILLAR**

**DRAWING No. :**

**ASSAM/SWIFT/GR-07/SD/13**

**NOT TO SCALE**

**ARIAS Society  
 GOVERNMENT OF ASSAM  
 Assam Rural Infrastructure  
 Agricultural Service Society**