

LEGEND :-

PROPOSED HP CULVERT	
PROPOSED STRUCTURE	
PROPOSED APPROACH ROAD	
PROPOSED SOLAR LAMP	
PROPOSED PERIPHERAL BUNDH	
PROP. DEMARCATION 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	

PROVISIONS:

- WEED CLEARANCE68996.6396 SQM.
- PROPOSED DE SILTING VOLUME36515.10 Cum
- PROPOSED FISH LANDING 1 NOS.
(11.65 M x 7.50 M)
- PROPOSED CULVERT 7 NOS.

PIPE LAY (1X1000 D)	HUME PIPE (1X1000 D)	HUME PIPE (4X1000 D)
5		1

- PROPOSED REARING TANK 3 NOS.
(0.15 Ha each)
- PROPOSED COMMUNITY HALL CUM..... 1 NOS.
WETLAND INFORMATION CENTRE (14.76 M x 13.60
- PROP. BOUNDARY FENCING 194 M
WITH IRON GATE. 2 Nos
- PROP. STEEL OVER HEAD TANK (1000LTR) 1 NOS.
- PROPOSED PERIPHERAL BUND 875 M.
From Ch.- 0.00m to 405m :- Height-1.0m & remaining 2.0m
- PROPOSED SOLAR LAMP 10 NOS.
- PROPOSED KATAL/JENG 4 NOS.
- PROPOSED PEN CULTURE 6 NOS.
(0.20 Ha each)

(i) Rearing pen 2Nos (0.2 Ha Ea
(ii) Stocking pen..... 4Nos (0.4Ha Ea

- PROPOSED BAMBOO PARTITION 1 NOS. (100
- PROPOSED INFORMATION BOARD 2 NOS.
(WIDTH-1.025M x HEIGHT-2.45 M)
- PROPOSED APPROACH ROAD 170 M
- PROPOSED DEMARCATION PILLAR 14 NO
- PROPOSED BOULDER PROTECTION180 + 50 =230
- PROPOSED WATER POOL01 NO (1.50 Ha Area)

FUTURE PROVISIONS:

- PROPOSED PONTOON FOOTBRIDGE
- PROPOSED VERMI COMPOSED UNIT
- PROPOSED ECO TOURISM
- PROPOSED AQUA CULTURE

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NAME OF THE BEEL:
SINGIMARI BEEL

AREA (Ha):
14.07 Ha

DISTRICT:
GOALPARA

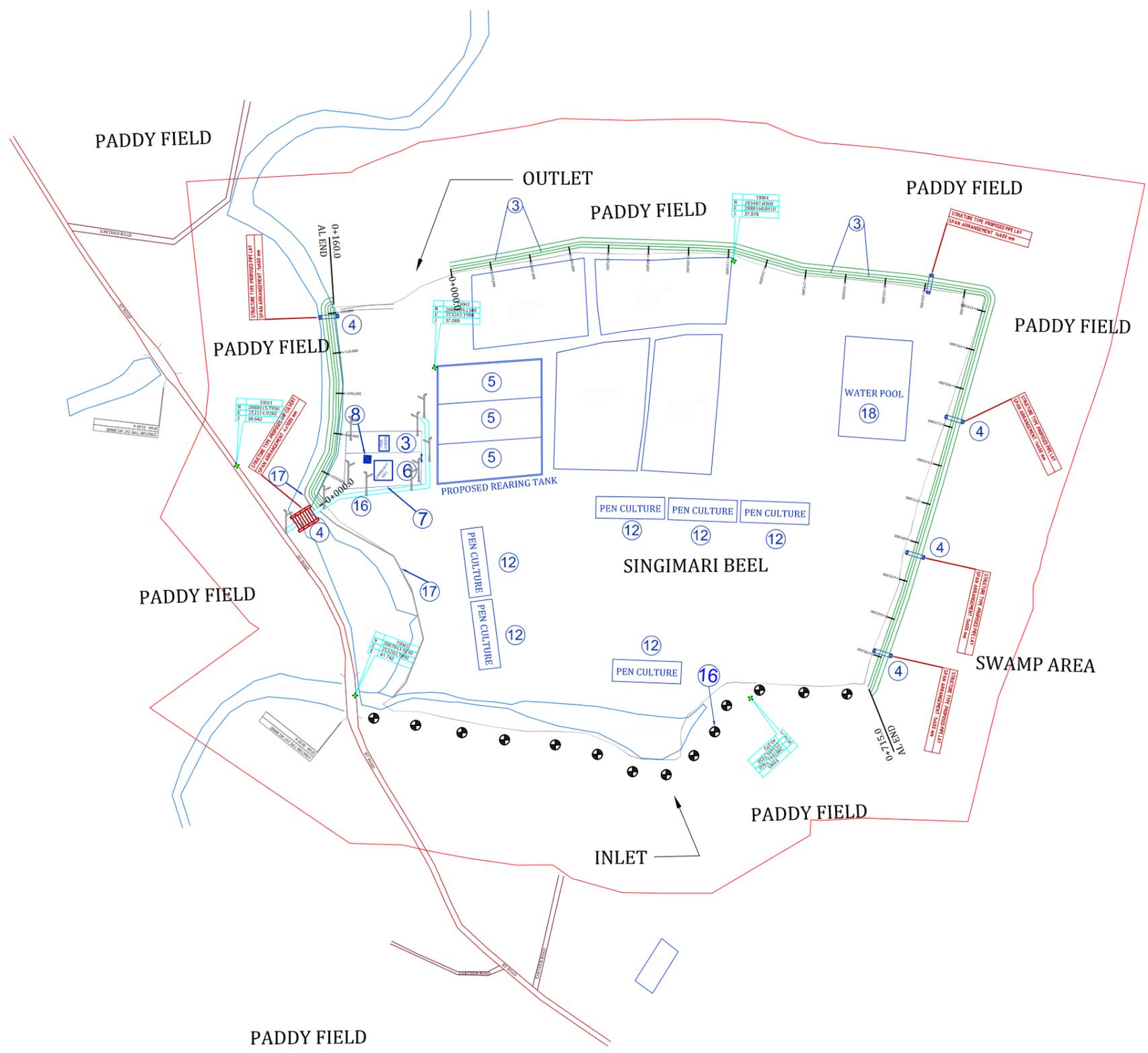
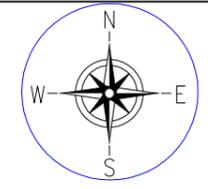
PROJECT TITLE:
SUSTAINABLE WETLANDS AND INTEGRATED FISHERIES TRANSFORMATION (SWIFT) PROJECT

DWG TITLE:
MASTER PLAN LAYOUT OF SINGIMARI BEEL

DRAWING NO :-
ASSAM/SWIFT/GR-07/PLAN/01



DATE:			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED
DATE:	DATE:	DATE:	DATE:
TEAM LEAD	A.E.	E.E.	S.E.



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NAME OF THE BEEL:
 SINGIMARI BEEL

AREA (Ha):
 14.07 Ha

DISTRICT:
 GOALPARA

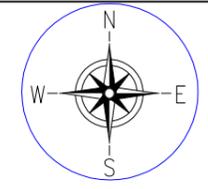
PROJECT TITLE:
 SUSTAINABLE WETLANDS AND INTEGRATED
 FISHERIES TRANSFORMATION (SWIFT)
 PROJECT

DWG TITLE:
 LAYOUT PLAN OF SINGIMARI BEEL
 158

DRAWING NO :-
 ASSAM/SWIFT/GR-07/PLAN/02



DATE:			
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DATE:	DATE:	DATE:	DATE:
TEAM LEAD	A.E.	E.E.	S.E.



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NAME OF THE BEEL:

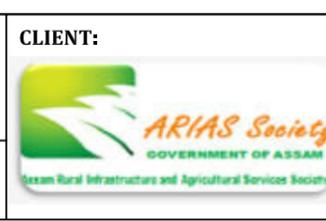
SINGIMARI BEEL

AREA (Ha):
 14.07 Ha
DISTRICT:
 GOALPARA

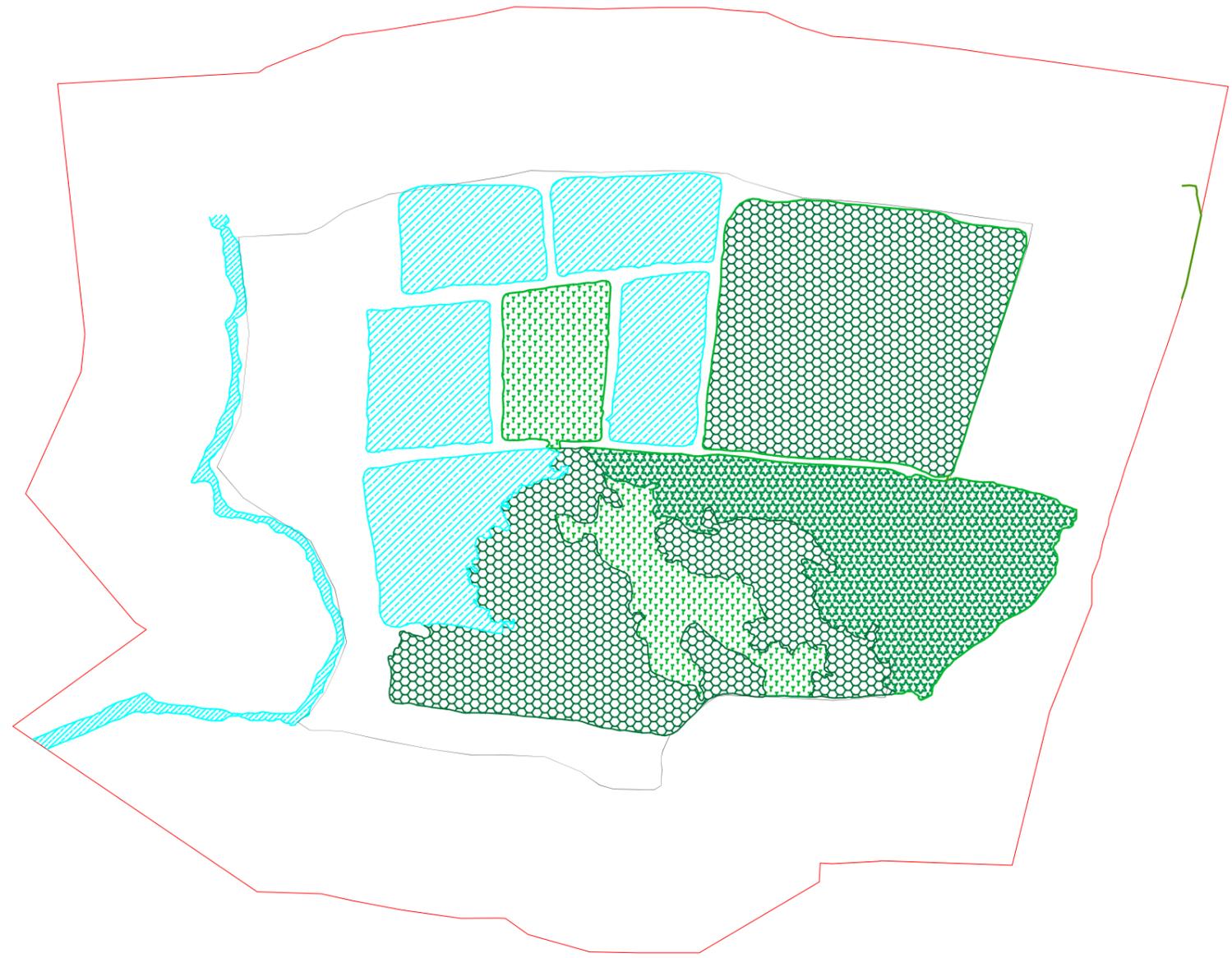
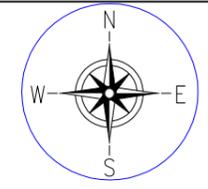
PROJECT TITLE:

SUSTAINABLE WETLANDS AND INTEGRATED FISHERIES TRANSFORMATION (SWIFT) PROJECT

DWG TITLE:
DRONE SURVEY MAP OF SINGIMARI BEEL
 159
DRAWING NO :-
 ASSAM/SWIFT/GR-07/PLAN/03



DATE:			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE:	DATE:	DATE:	DATE:
TEAM LEAD	A.E.	E.E.	S.E.



LEGEND :-	
Thin and floating water etc	
Medium and floating etc	
Heavy and floating etc	
CLEAR WATER AREA	

TOTAL AREA= 82998,3586 Sqm

AREA DETAILS		
SL NO	DESCRIPTION	AREA(Sq. m)
(A)	Thin and floating water hyacinths and other aquatic weeds etc.	12989,7637 SQ M
(B)	Thick and floating water hyacinths and other aquatic weeds etc.	0.00 SQ M
(C)	Thick and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 50 cm.	0.00 SQ M
(D)	Medium and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	19628,7881 SQ M
(E)	Heavy and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 80 cm to 120 cm	50379,8068 SQ M
(F)	CLEAR WATER AREA	30860,5383 SQ M

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SINGIMARI BEEL

AREA (Ha):
14.07 Ha

DISTRICT:
GOALPARA

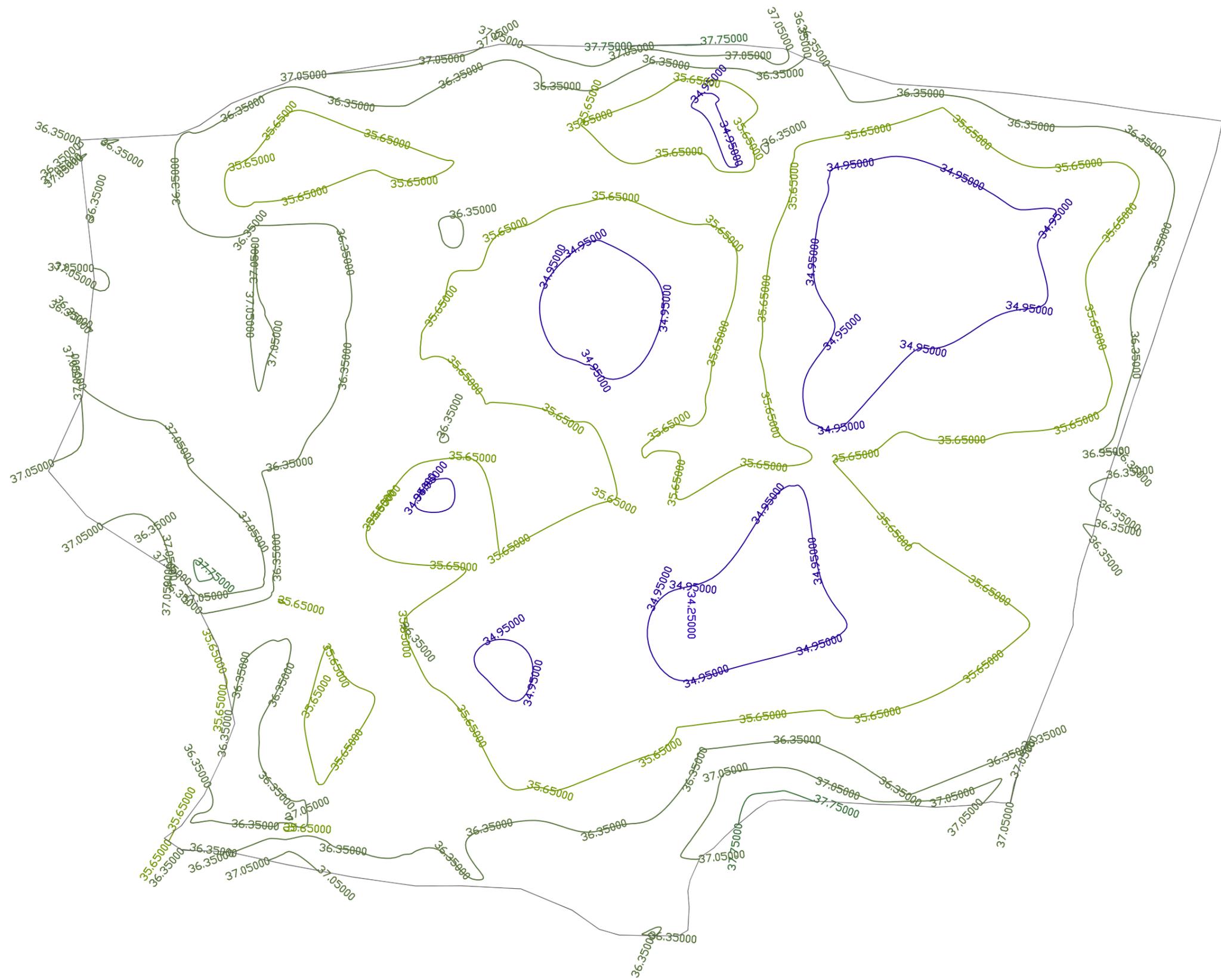
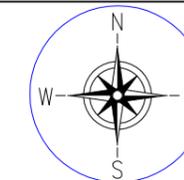
PROJECT TITLE:
SUSTAINABLE WETLANDS AND INTEGRATED FISHERIES TRANSFORMATION (SWIFT) PROJECT

DWG TITLE:
DE WEEDING MAP

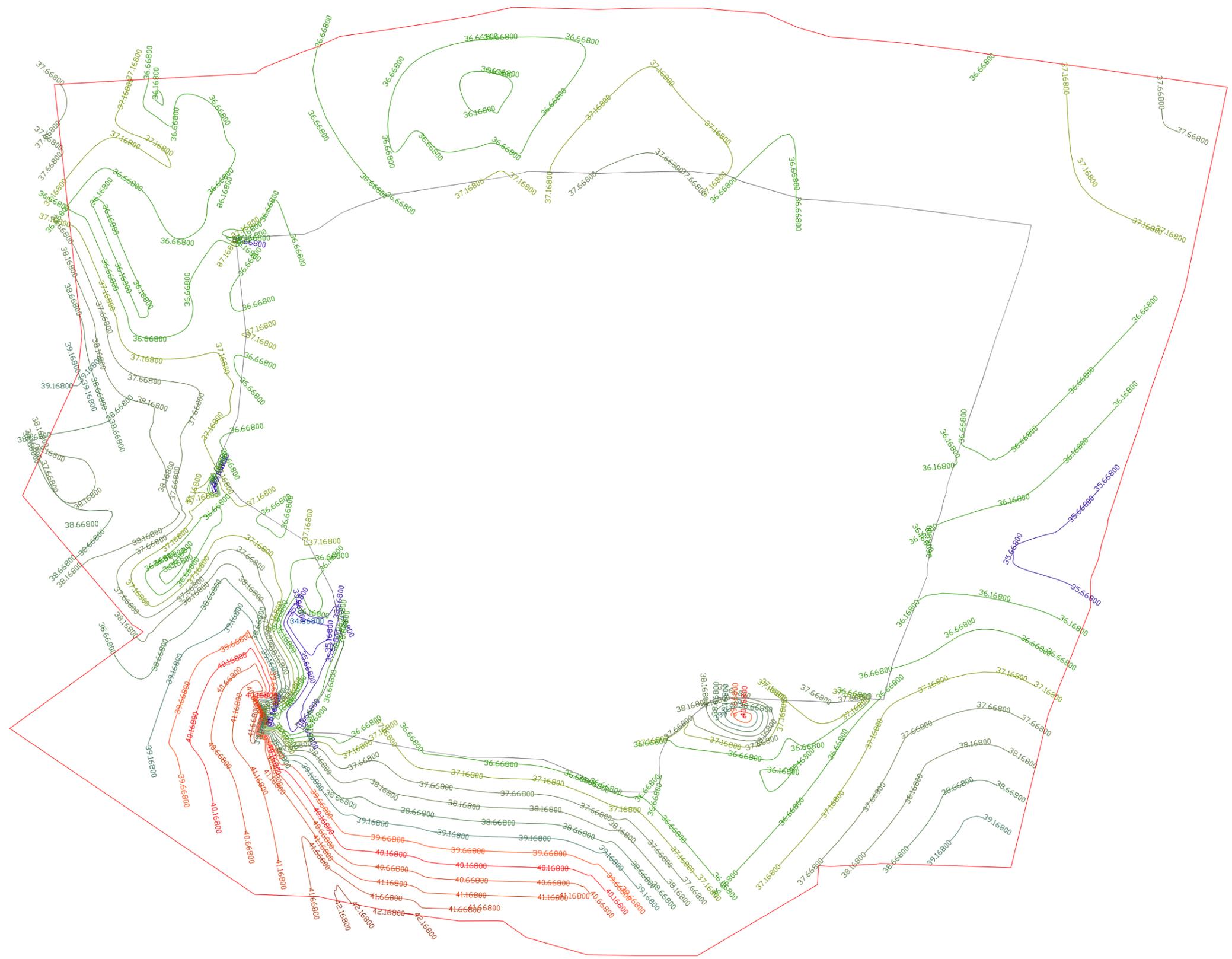
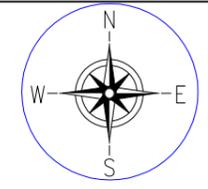
DRAWING NO :-
ASSAM/SWIFT/GR-07/PLAN/04



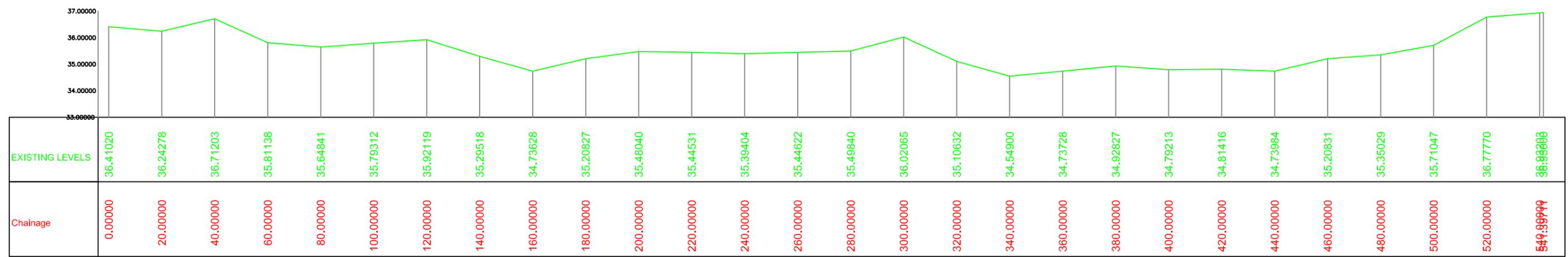
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DATE:	DATE:	DATE:	DATE:
TEAM LEAD	A.E.	E.E.	S.E.



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	DISTRICT: GOALPARA	DRAWING NO :- ASSAM/SWIFT/GR-07/PLAN/05		CHECKED BY: DATE:		SUBMITTED TO: DATE:	RECOMMENDED BY: DATE:	APPROVED BY: DATE:	



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	DISTRICT: GOALPARA	SCALE: 1:1000		DRAWING NO :- ASSAM/SWIFT/GR-07/PLAN/06		CHECKED BY: DATE:	SUBMITTED TO: DATE:	RECOMMENDED BY: DATE:	APPROVED BY: DATE:
File Name: 4453010/2026-SWIFT-ARIAS-Assam Rural Infrastructure and Agricultural Services (ARIAS) (Computer No. 755095) NAGARJ, ASSAM, PIN-782002 Generated from Office by Bably Hazarika, HRE(BH)SWIFT, HR EXECUTIVE, Assam Rural Infrastructure and Agricultural Services (ARIAS) on 04/03/2026 02:10 PM						TEAM LEAD	A.E.	E.E.	S.E.



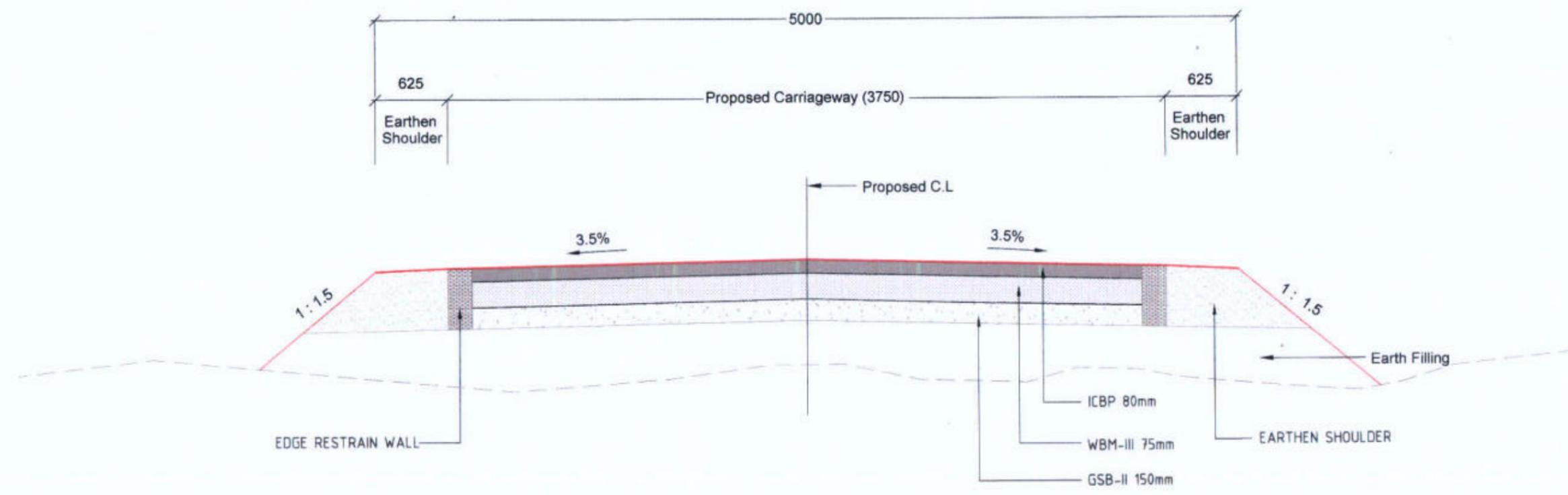
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Name of Work:-
Singimari Beel in Goalpara District: Conservation,
Restoration and Rejuvenation under Assam SWIFT Project.

DRAWING :
 LONGITUDINAL PROFILE OF BEEL
 DRAWING NO
ASSAM/SWIFT/GR-07/PLAN/07

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GOVERNMENT OF ASSAM
Assam Rural Infrastructure
Agricultural Service Society

STANDARD DRAWINGS



TYPICAL CROSS SECTION FOR APPROACH ROAD

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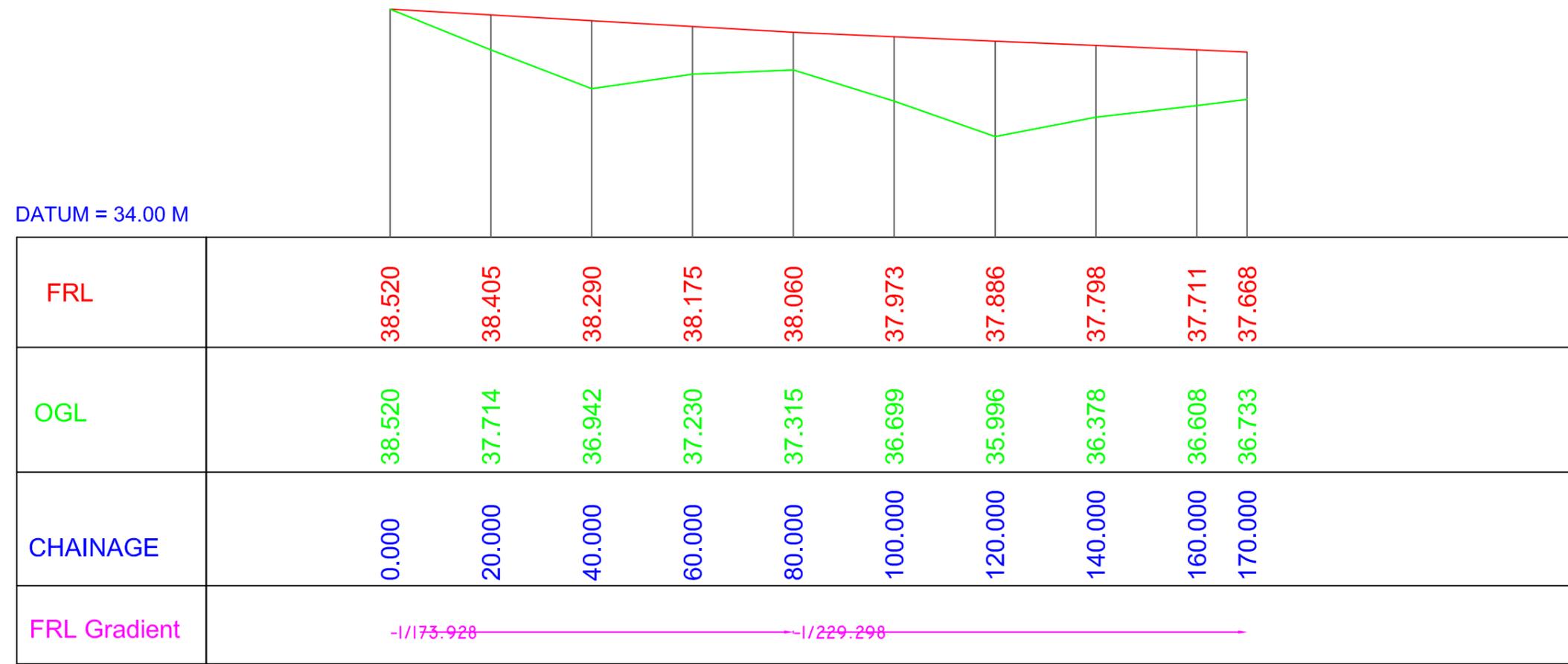
DRAWING :
 Typical Cross Section

165

NOT TO SCALE

PACKAGE NO: 7

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Assam Rural Infrastructure
Agricultural Service Society



FRL	38.520	38.405	38.290	38.175	38.060	37.973	37.886	37.798	37.711	37.668
OGL	38.520	37.714	36.942	37.230	37.315	36.699	35.996	36.378	36.608	36.733
CHAINAGE	0.000	20.000	40.000	60.000	80.000	100.000	120.000	140.000	160.000	170.000
FRL Gradient	$-1/173.928$ $-1/229.298$									

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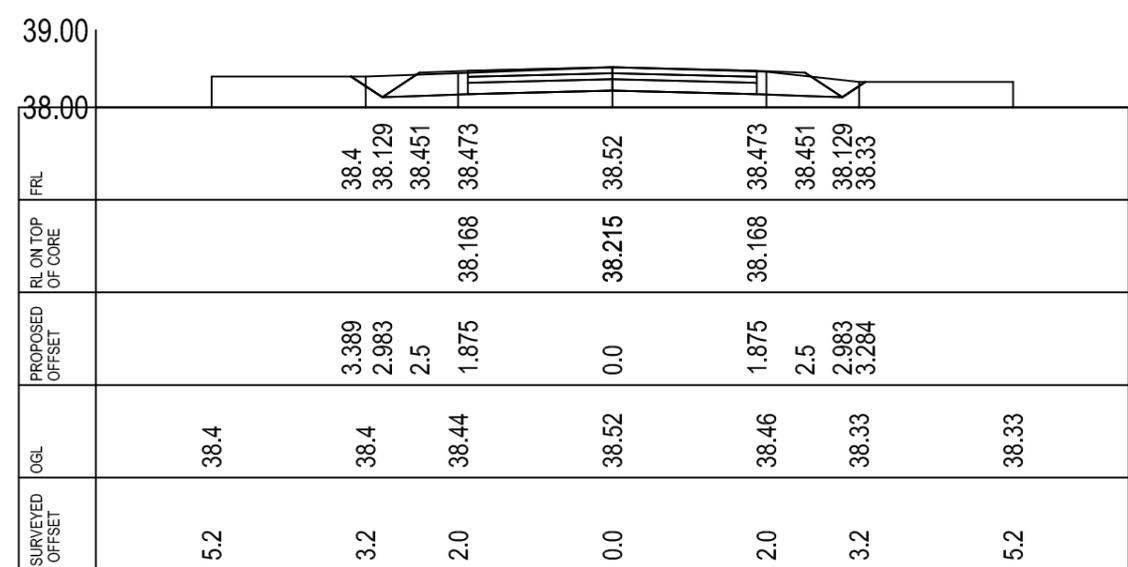
Name of Work:-
Singimari Beel in Goalpara District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.

DRAWING :
 LONGITUDINAL PROFILE OF
 APPROACH ROAD

DRAWING NO
ASSAM/SWIFT/GR-07/SD/01(A)

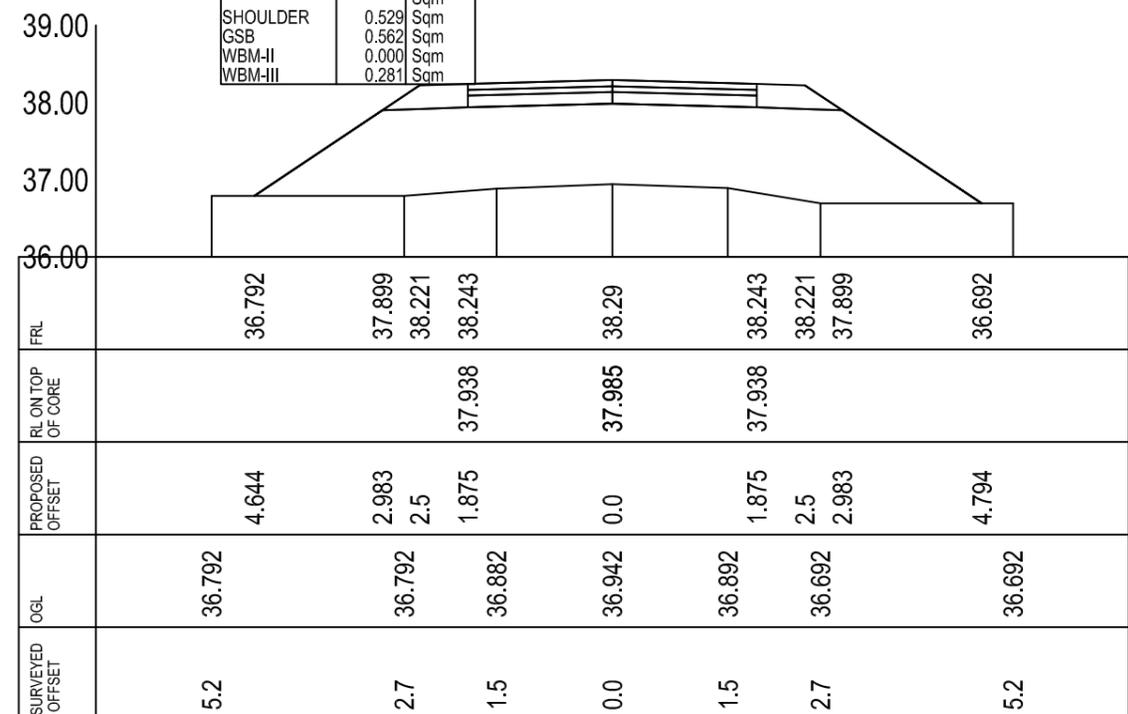
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AREA IN FILL	0.000	Sqm
SHOULDER	0.529	Sqm
GSB	0.562	Sqm
WBM-II	0.000	Sqm
WBM-III	0.281	Sqm



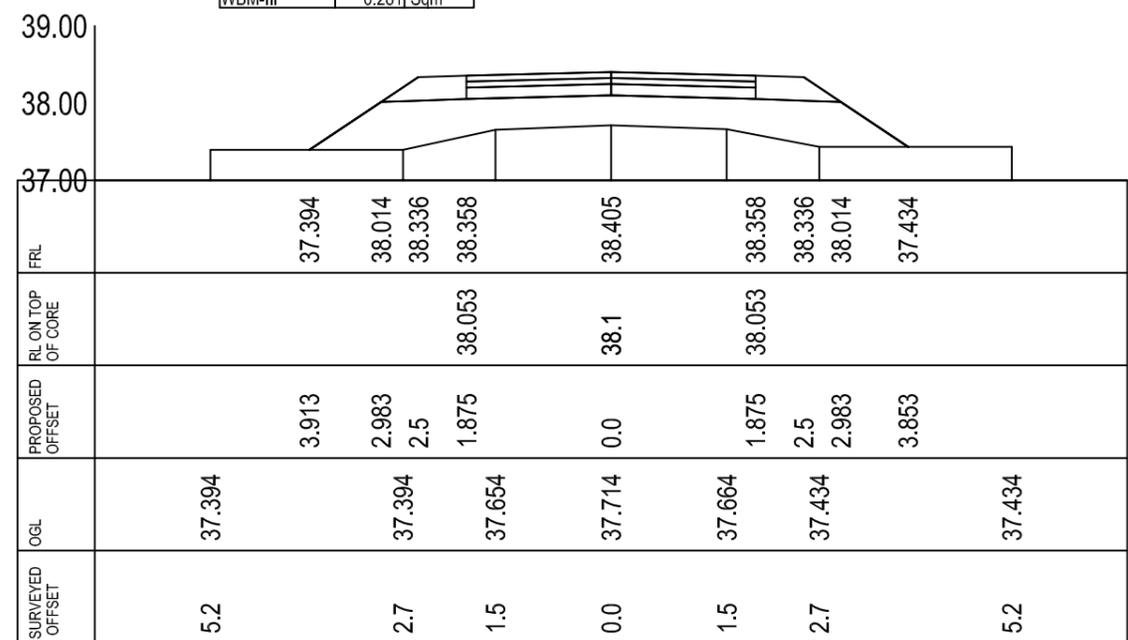
CROSS-SECTION AT CH- 0.0

AREA IN FILL	8.502	Sqm
SHOULDER	0.529	Sqm
GSB	0.562	Sqm
WBM-II	0.000	Sqm
WBM-III	0.281	Sqm



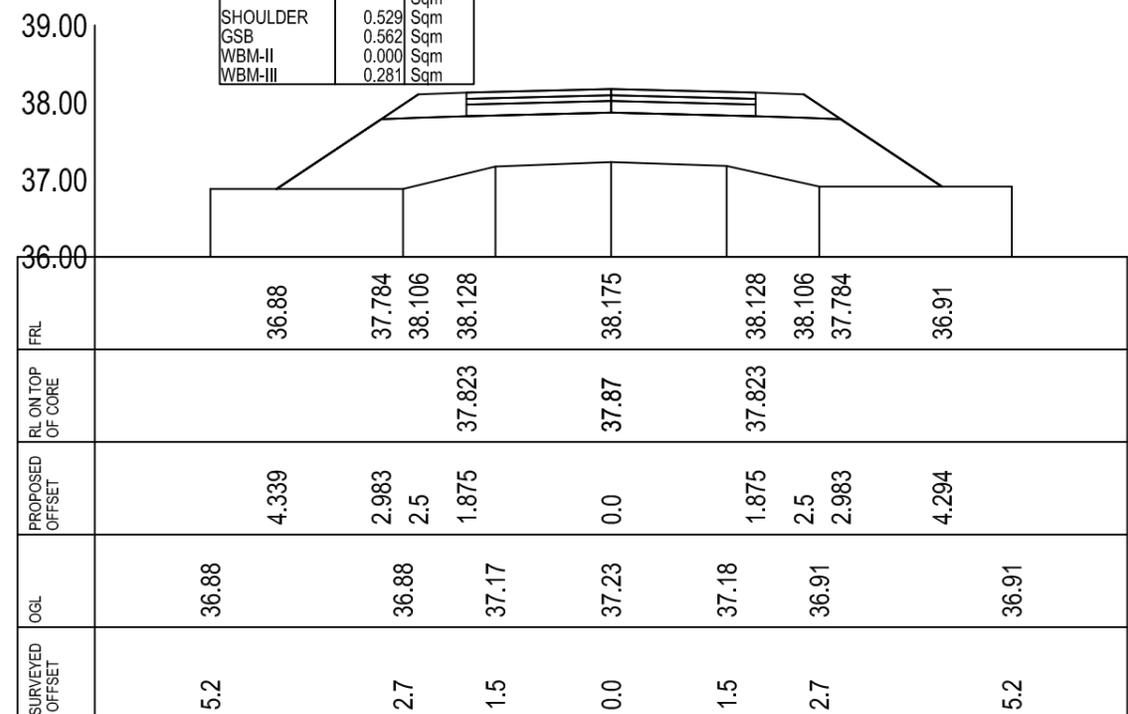
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AREA IN FILL	3.288	Sqm
SHOULDER	0.529	Sqm
GSB	0.563	Sqm
WBM-II	0.000	Sqm
WBM-III	0.281	Sqm



CROSS-SECTION AT CH- 20.0

AREA IN FILL	5.510	Sqm
SHOULDER	0.529	Sqm
GSB	0.562	Sqm
WBM-II	0.000	Sqm
WBM-III	0.281	Sqm



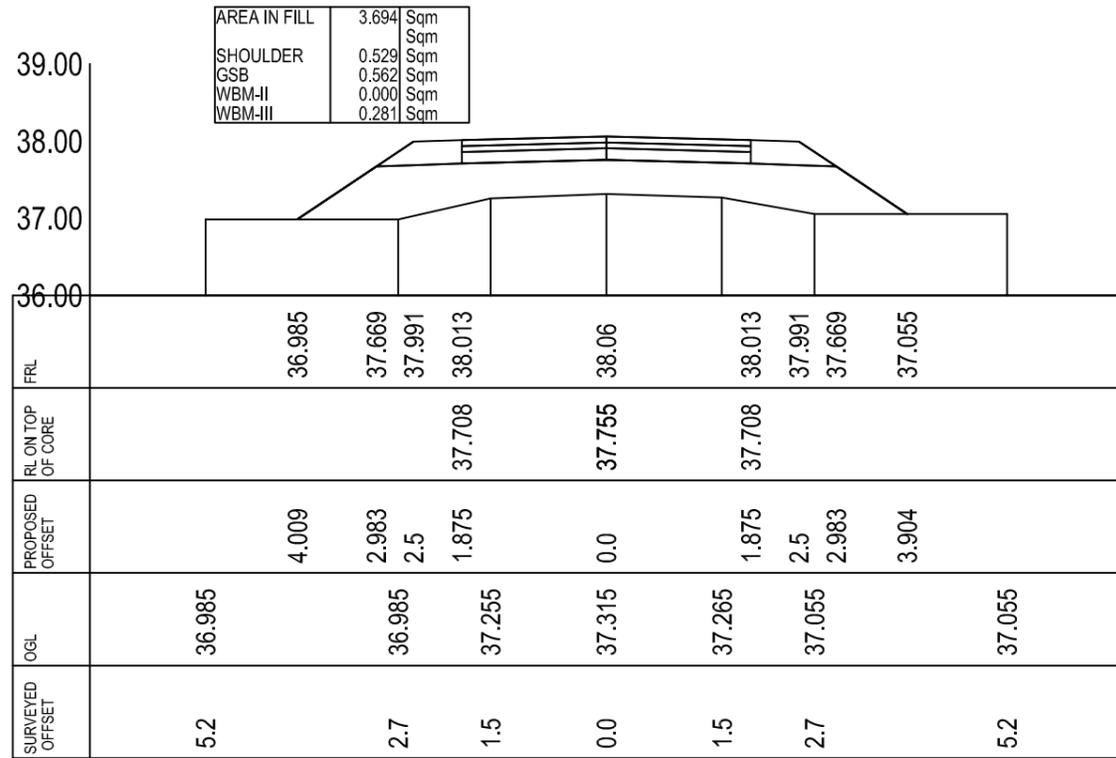
CROSS-SECTION AT CH- 60.0

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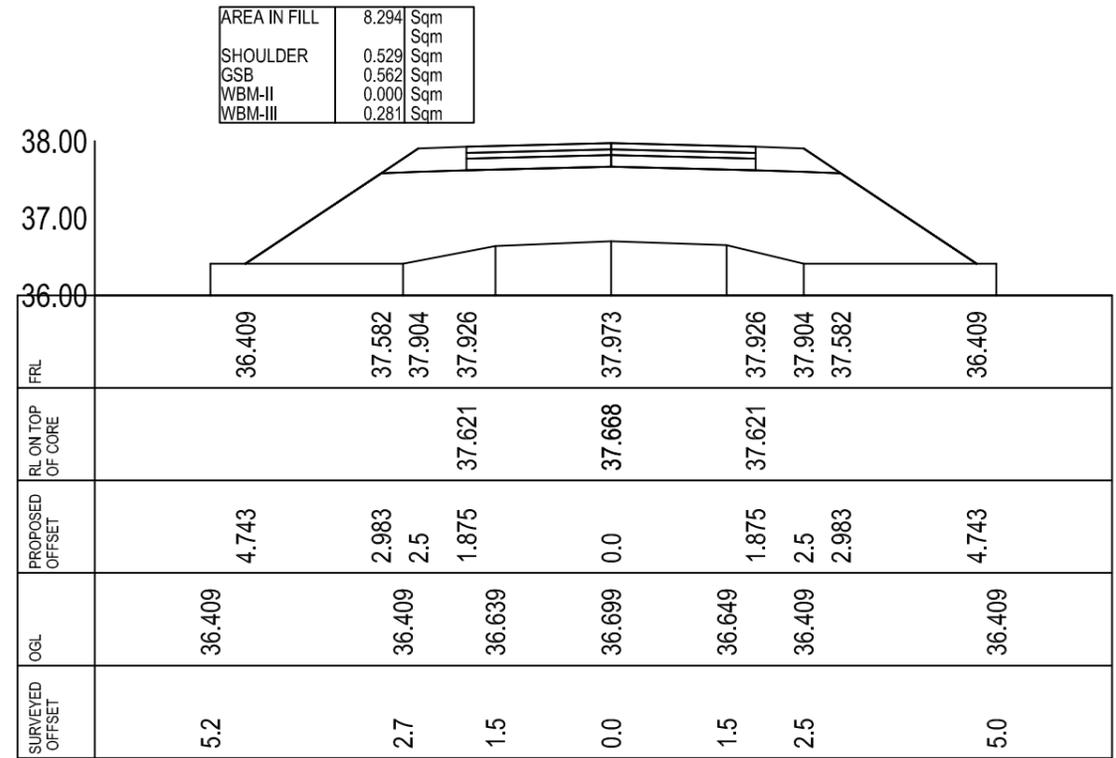
Name of Work:-
Singimari Beel in Goalpara District : Conservation, Restoration and Rejuvenation under Assam SWIFT Project.

DRAWING :
 CROSS SECTION OF APPROACH ROAD
DRAWING NO
ASSAM/SWIFT/GR-07/SD/01(B)

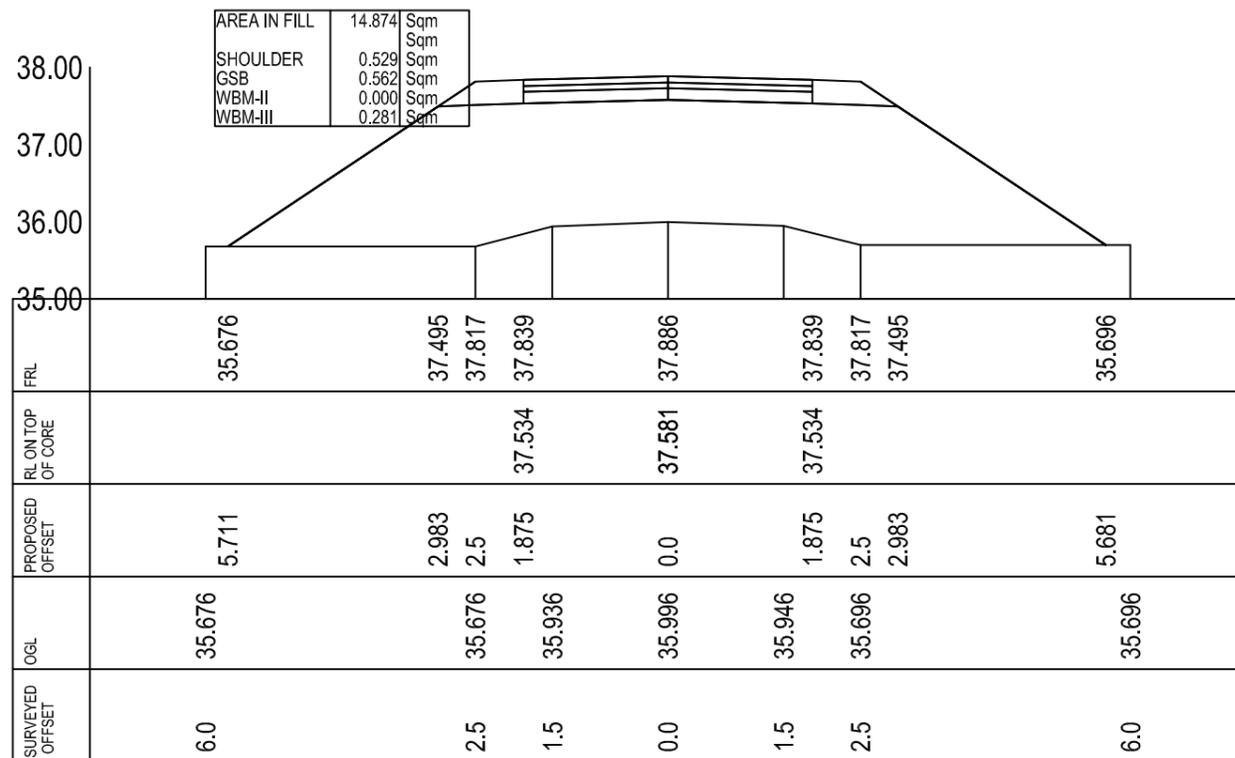
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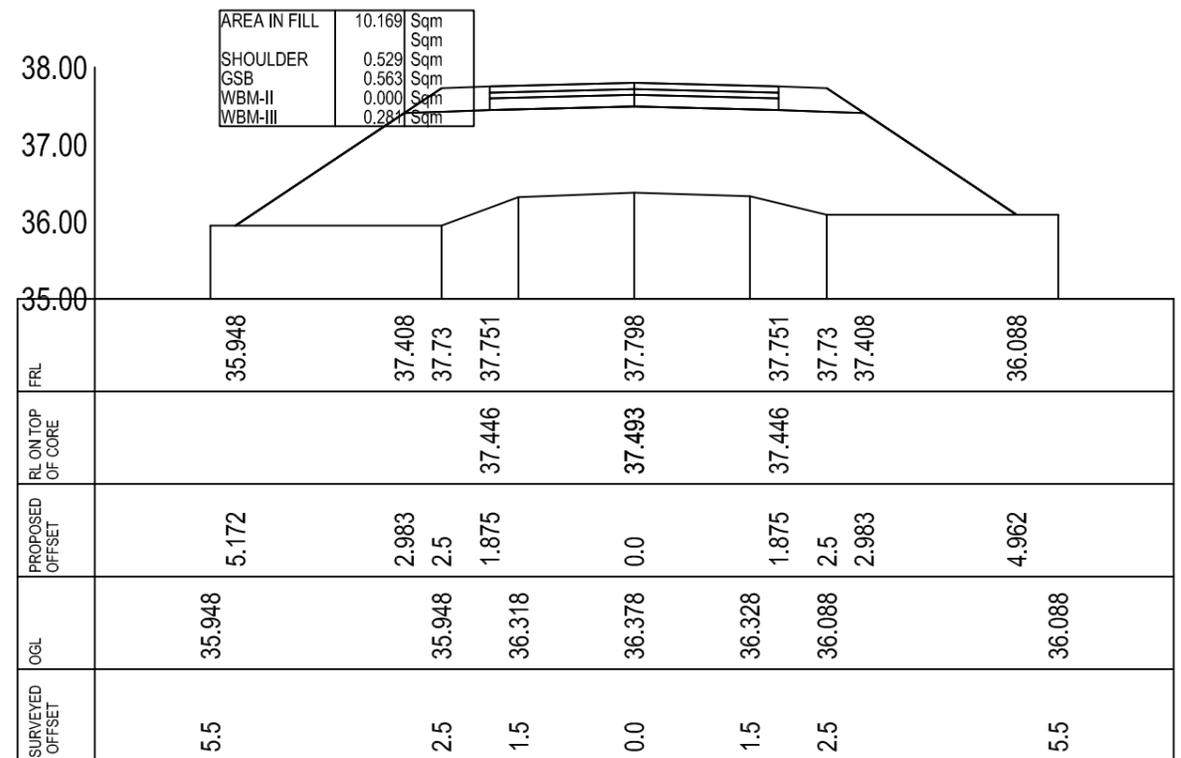
CROSS-SECTION AT CH- 80.0



CROSS-SECTION AT CH- 100.0



CROSS-SECTION AT CH- 120.0



CROSS-SECTION AT CH- 140.0

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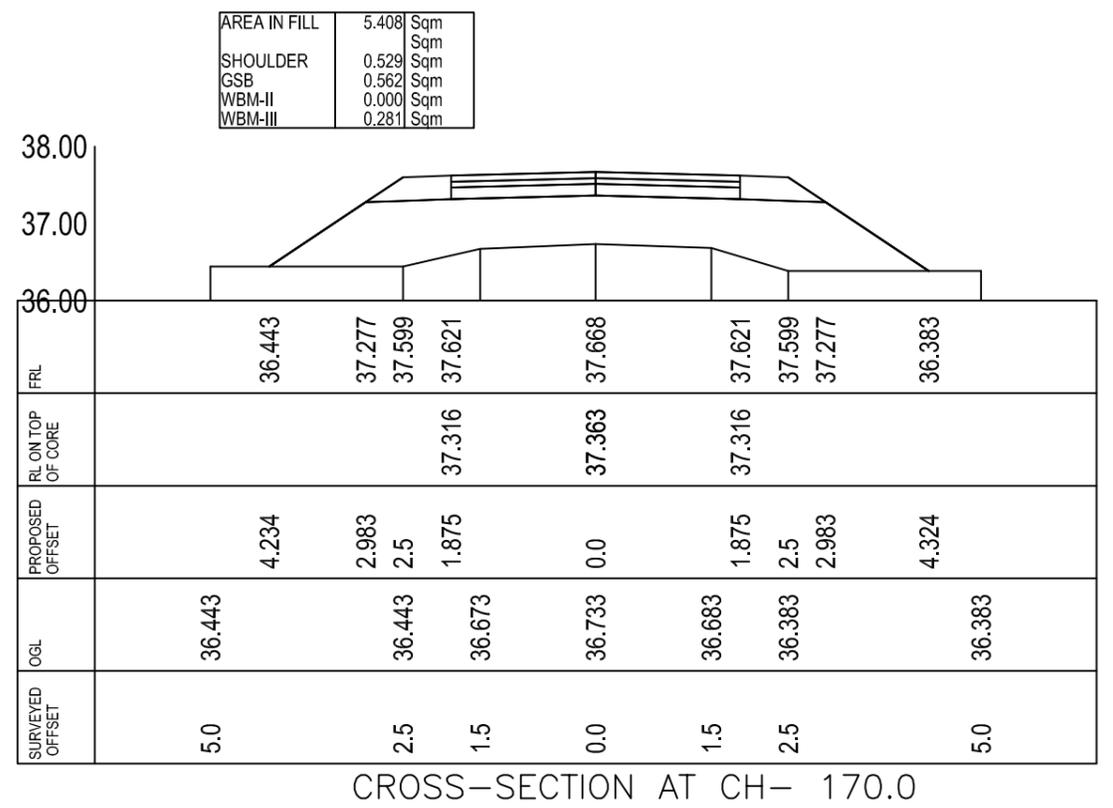
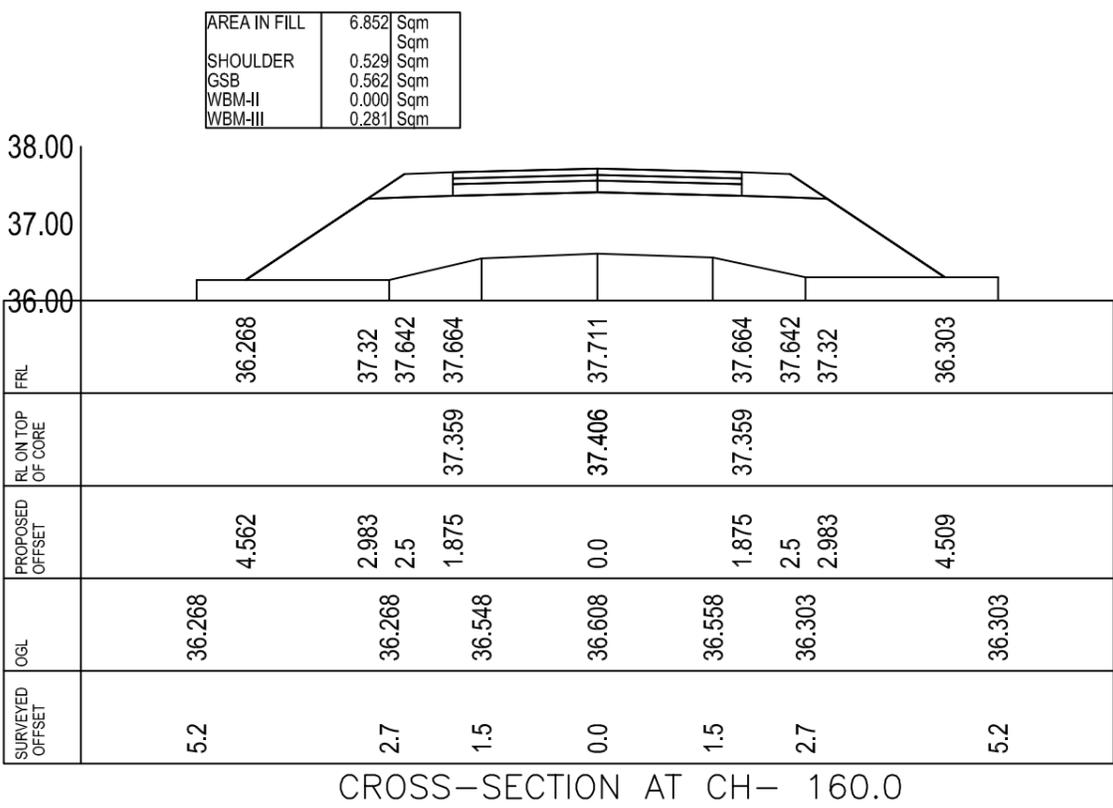
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Name of Work:-
Singimari Beel in Goalpara District : Conservation, Restoration and
Rejuvenation under Assam SWIFT Project.

DRAWING :
 CROSS SECTION OF APPROACH ROAD
DRAWING NO
ASSAM/SWIFT/GR-07/SD/01(C)

ARIAS Society
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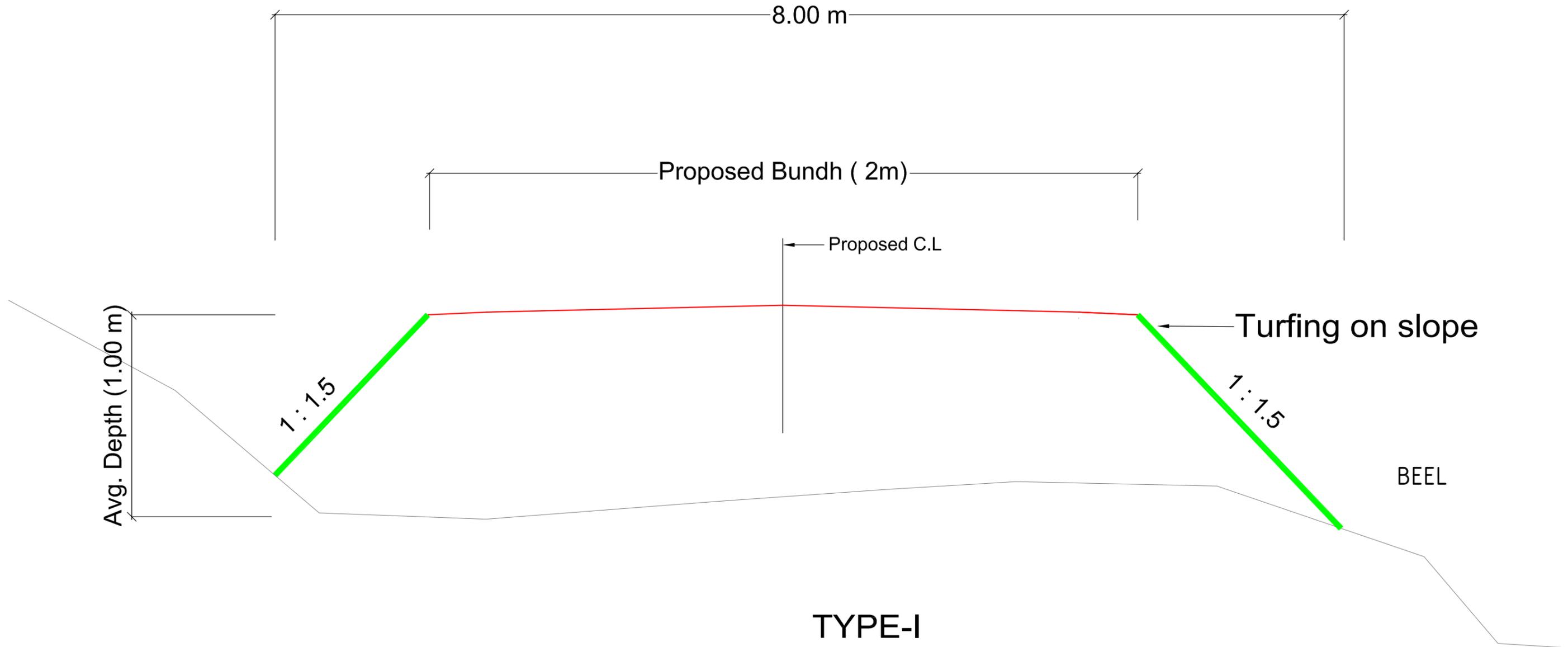
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Name of Work:-
Singimari Beel in Goalpara District : Conservation, Restoration and
Rejuvenation under Assam SWIFT Project.

DRAWING :
 CROSS SECTION OF APPROACH ROAD

DRAWING NO
ASSAM/SWIFT/GR-07/SD/01(D)

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GOVERNMENT OF ASSAM
Assam Rural Infrastructure
Agricultural Service Society



TYPE-I
Typical Cross Section for Bundh (Without HP laying)

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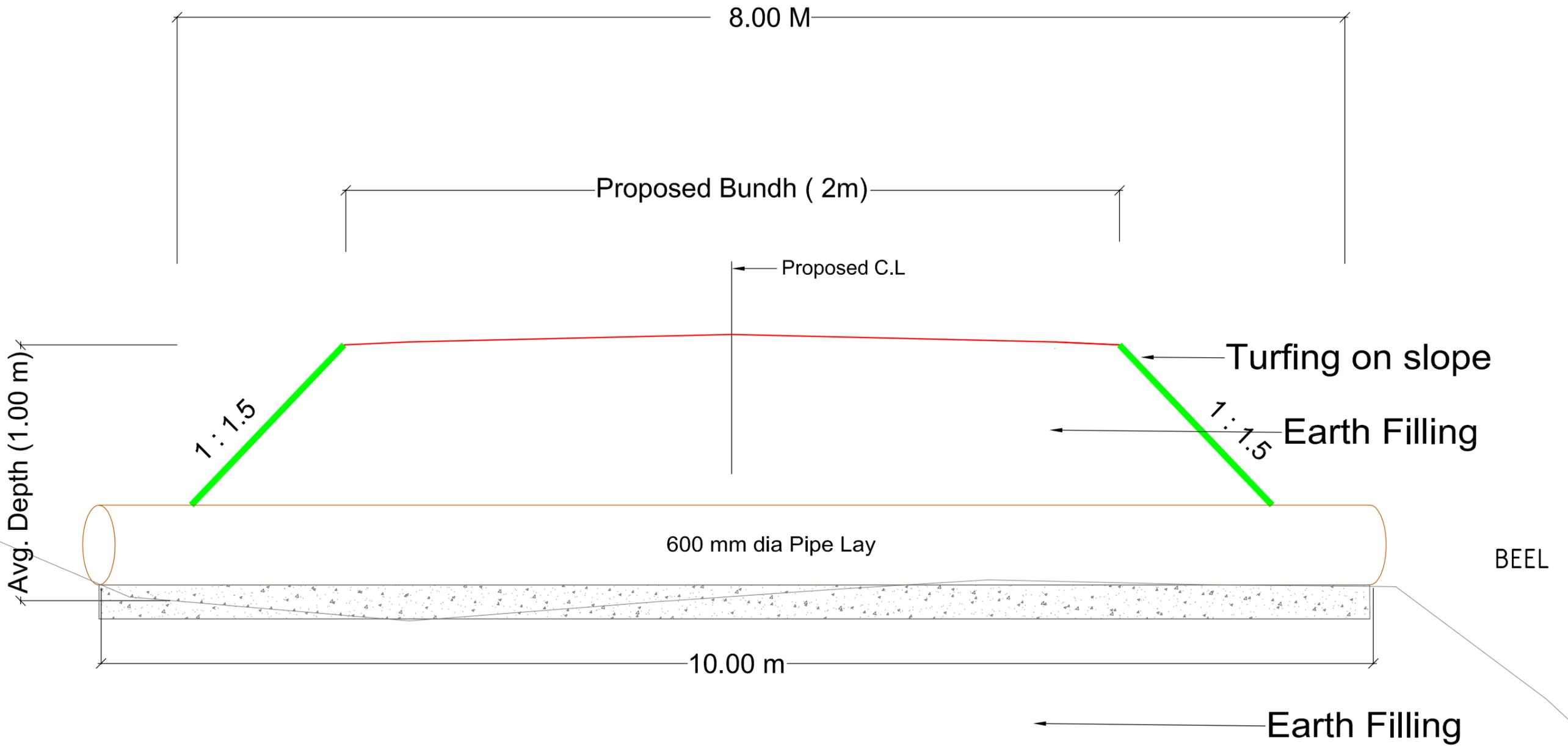
DRAWING NO
ASSAM/SWIFT/GR-07/SD/02(A)

DRAWING :
 TYPICAL SECTION OF BUND
 (Without HP Laying) 170

SCALE :- 1:1000

PACKAGE NO: 7

ARIAS Society
GOVERNMENT OF ASSAM
Assam Rural Infrastructure
Agricultural Service Society



TYPE-I
Typical Cross Section for Bundh (With HP laying)

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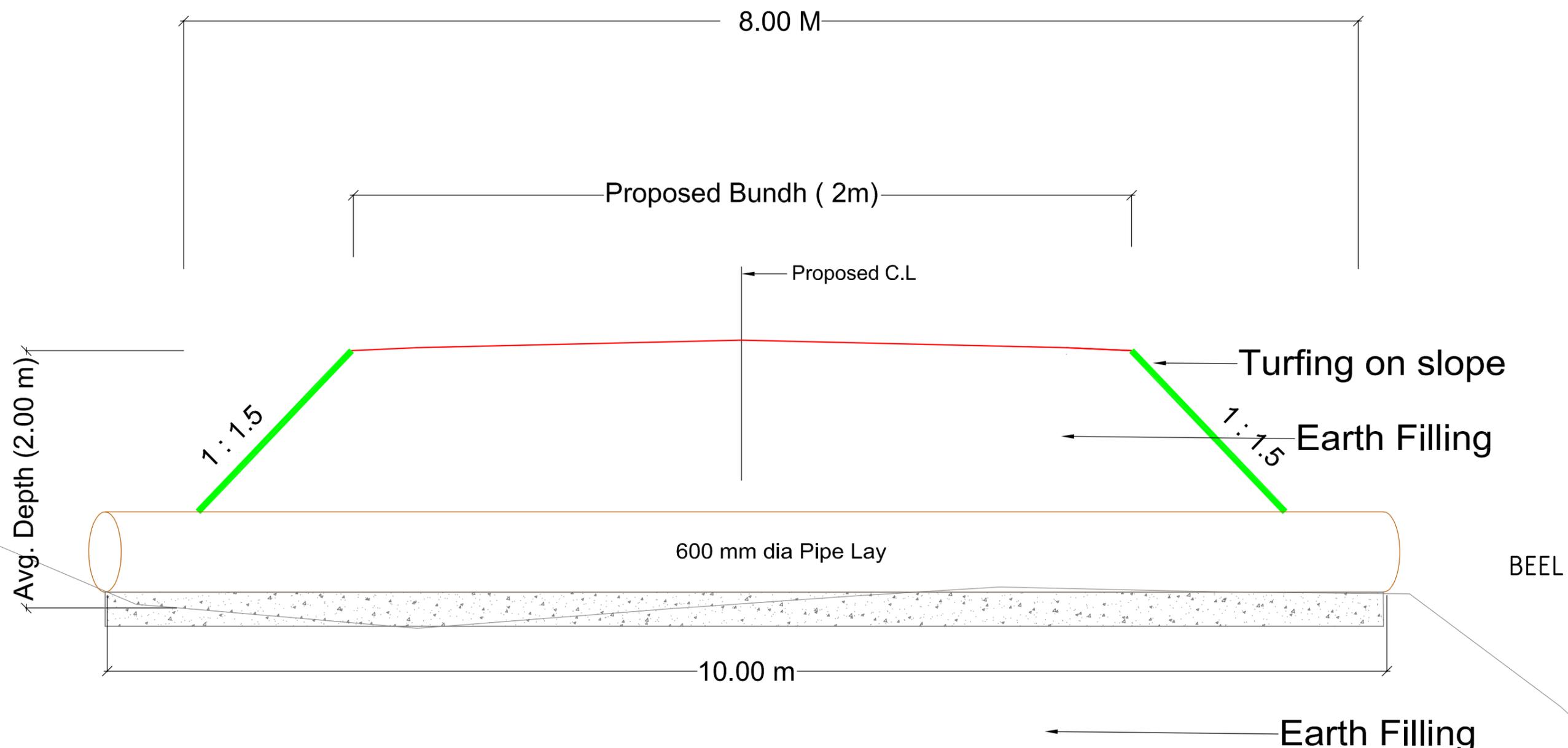
DRAWING NO
ASSAM/SWIFT/GR-07/SD/02(C)

DRAWING :
 TYPICAL SECTION OF BUND
 (With HP Laying) 172

SCALE :- 1:1000

PACKAGE NO: 7

ARIAS Society
GOVERNMENT OF ASSAM
Assam Rural Infrastructure
Agricultural Service Society



TYPE-II
Typical Cross Section for Bundh (With HP laying)

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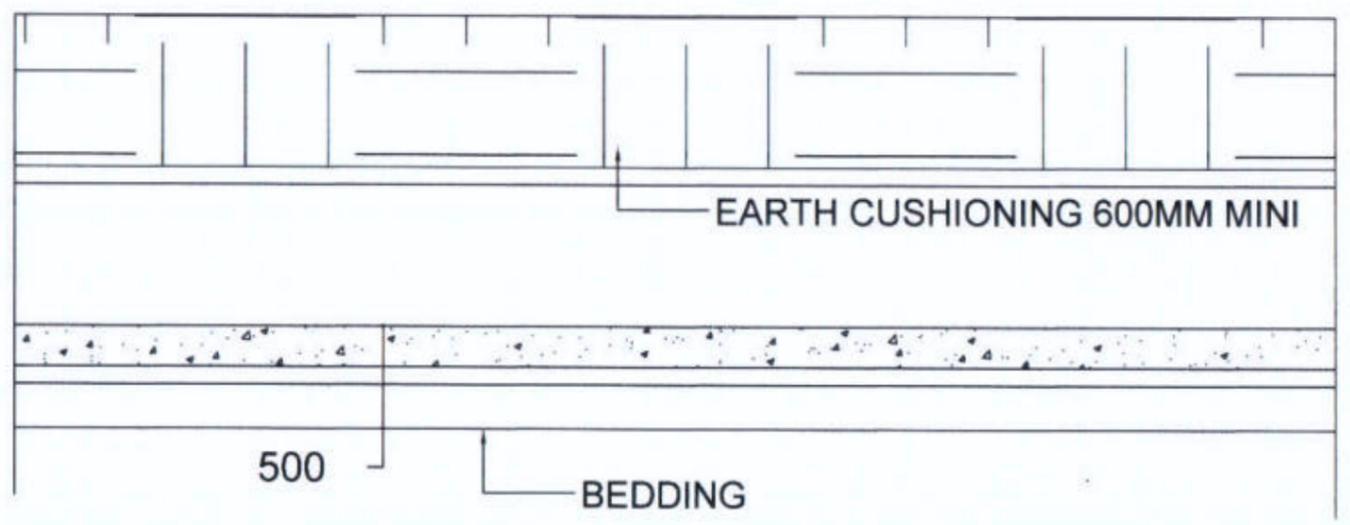
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DRAWING :
 TYPICAL SECTION OF BUND
 (With HP Laying) 173

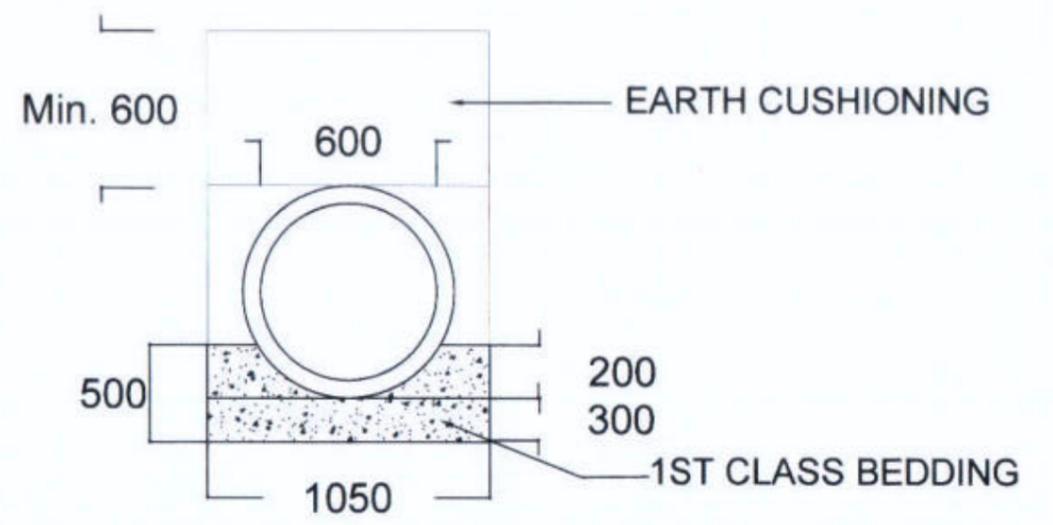
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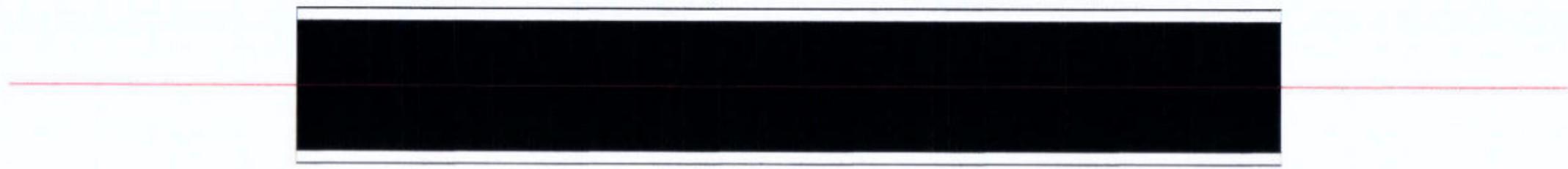
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LONGITUDINAL SECTION OF HUME PIPE CULVERT



CROSS SECTION OF HUME PIPE CULVERT



PLAN OF HUME PIPE CULVERT

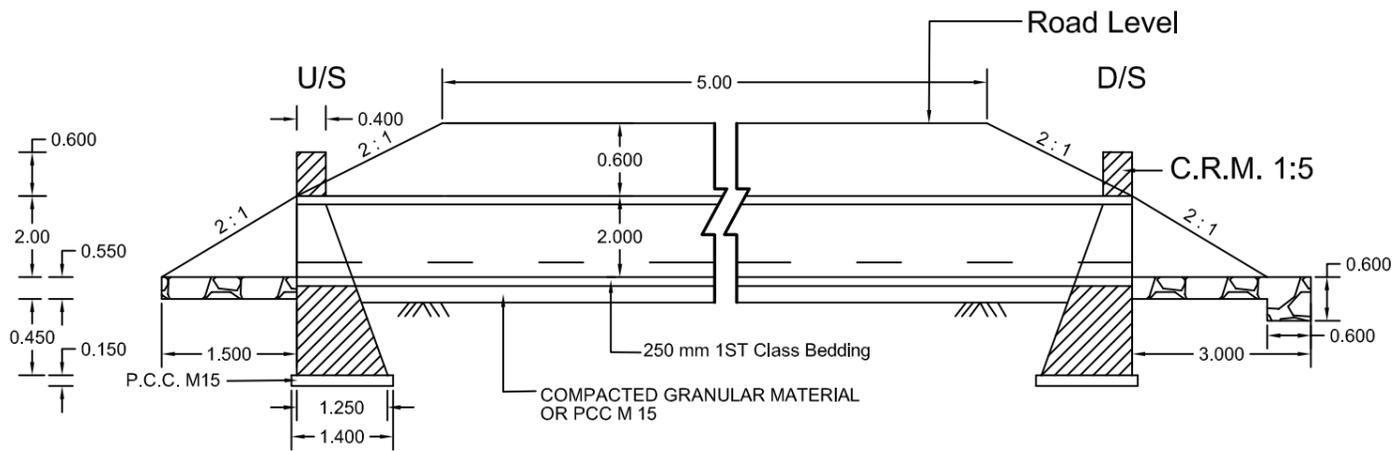
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DRAWING :
 GENERAL ARRANGEMENT OF LAYING PIPE
 CULVERT, 600MM DIA

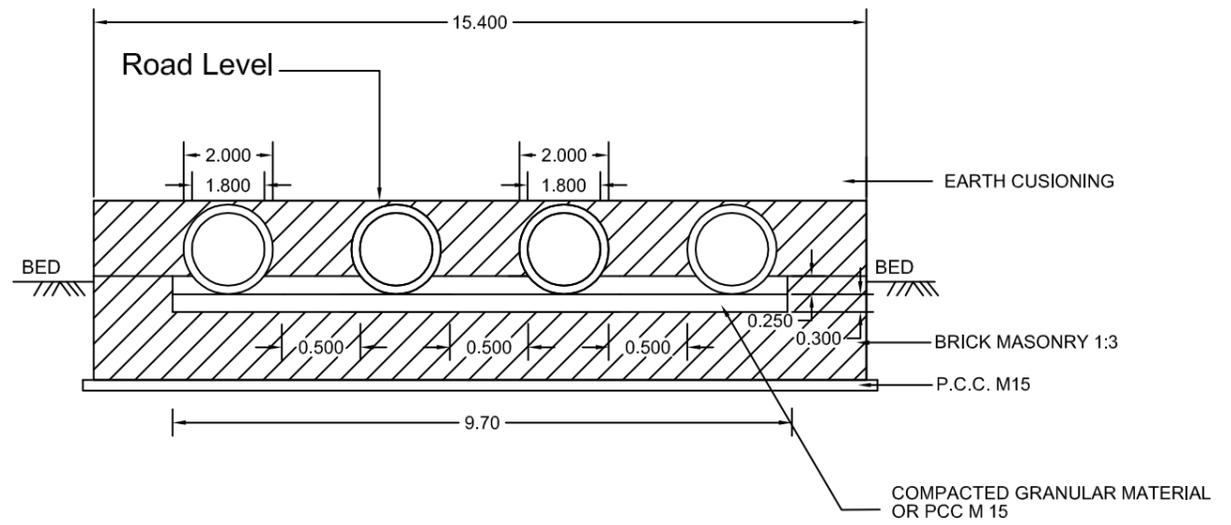
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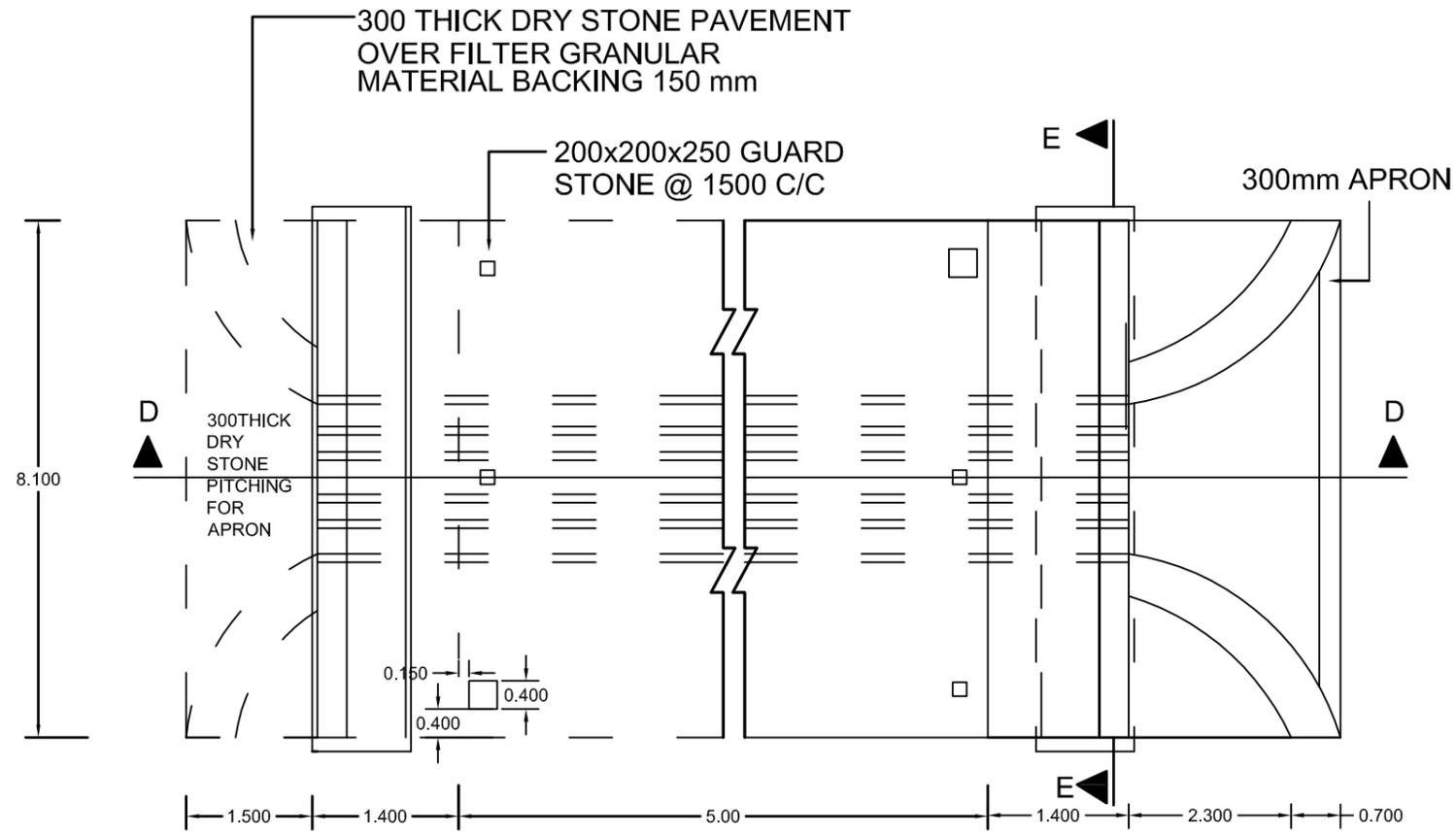
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SECTION AT D - D
1800mm DIA PIPE CULVERT DOUBLE ROW



SECTION AT E - E
1800mm DIA. CULVERT



PLAN OF 1800mm DIA DOUBLE ROW CULVERT

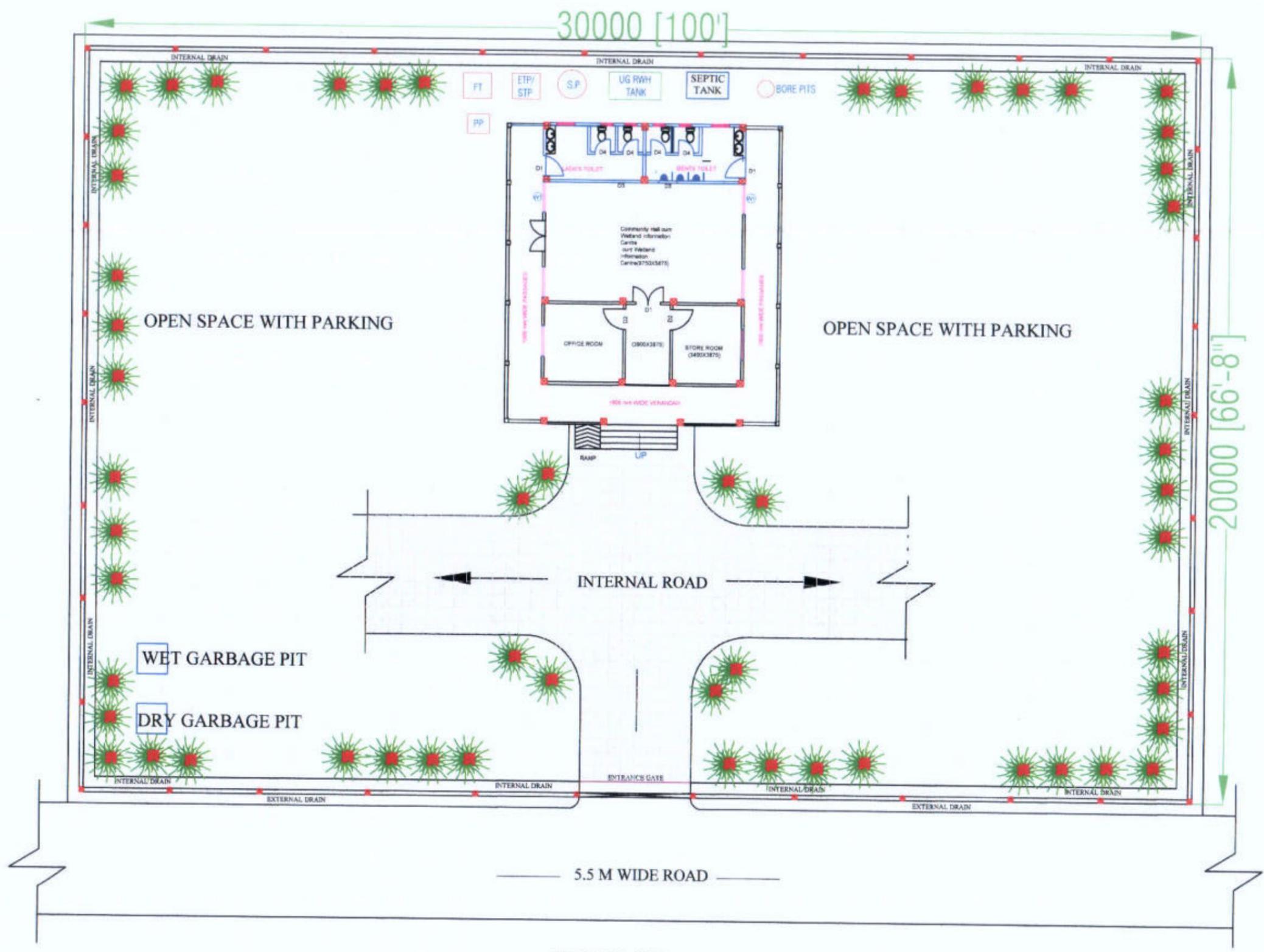
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DRAWING :
 GENERAL ARRANGEMENT OF PIPE CULVERT,
 FOUR HUME PIPE 4 X 1800MM DIA

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DRAWING :
 SITE PLAN

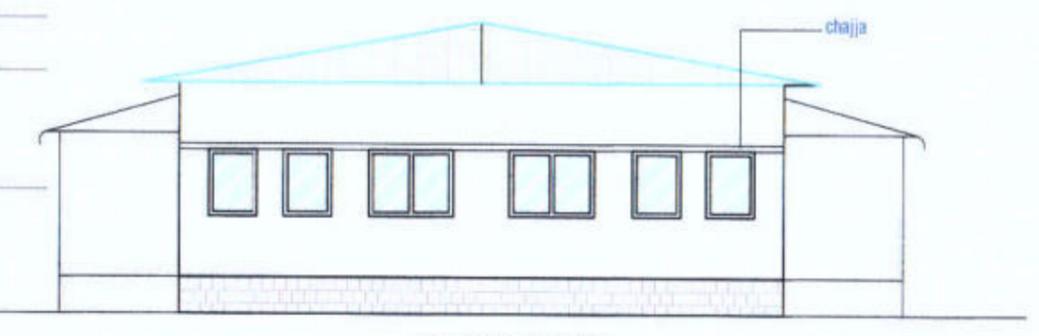
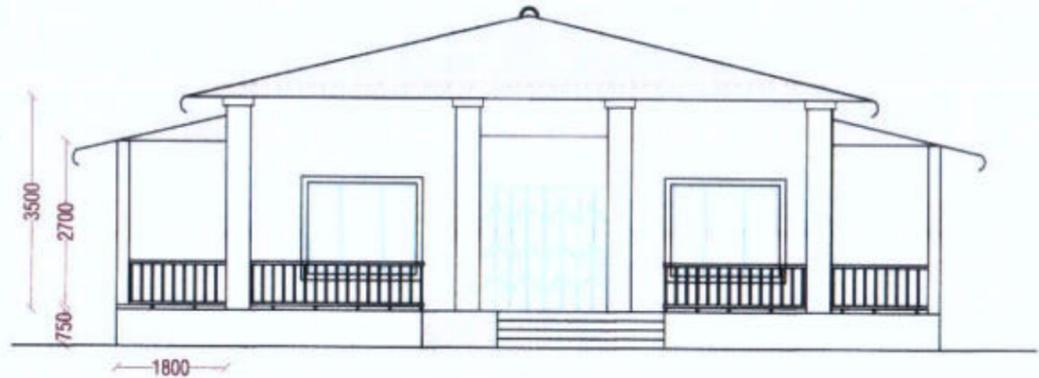
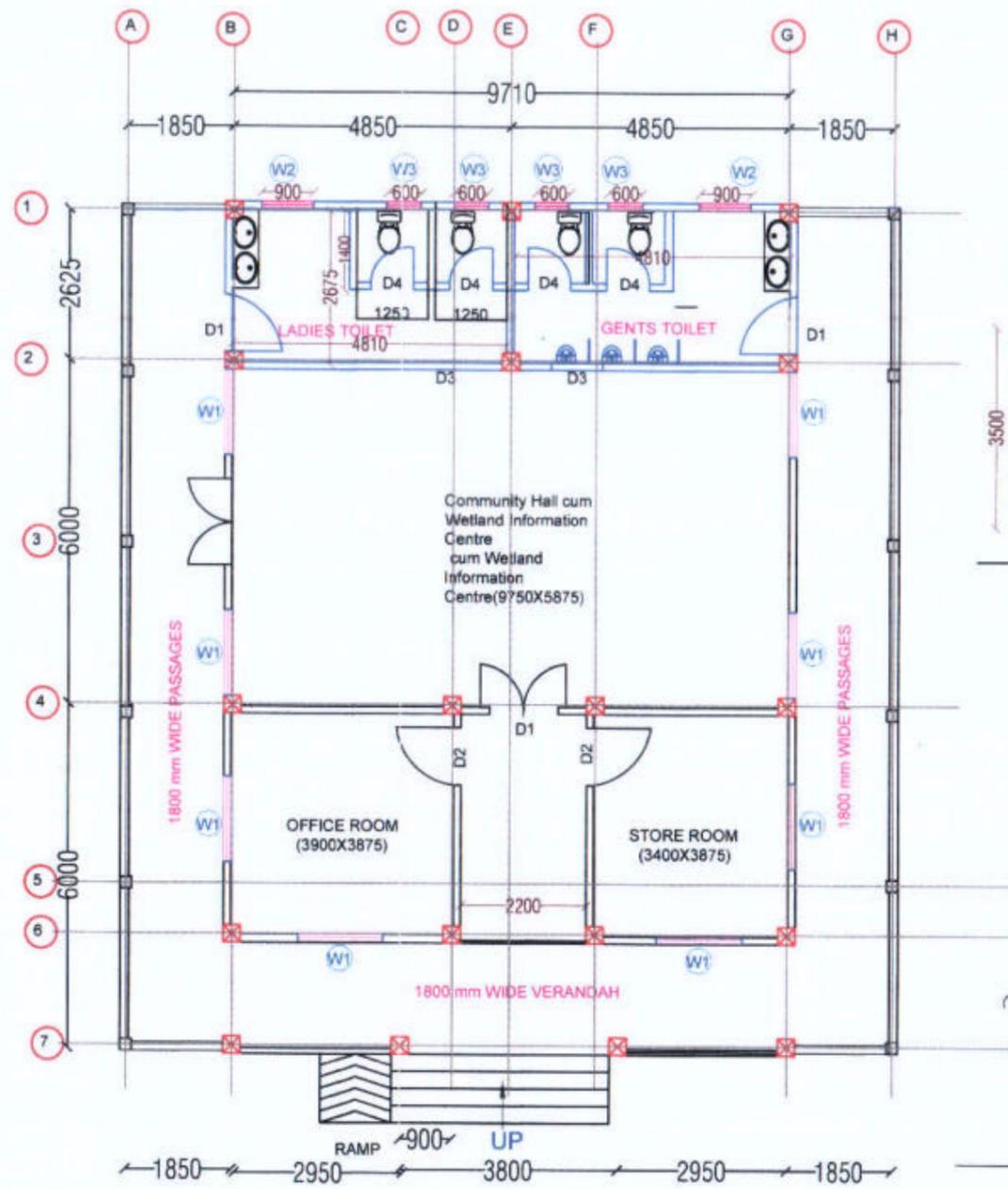
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PROJECT TITLE:
 Agricultural Services (ARIAS) (Computer No. 755095) (SWIFT) Project

DRAWING CONTENTS: Community Hall cum
 Wetland Information



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DRAWING :
 PLAN & ELEVATION

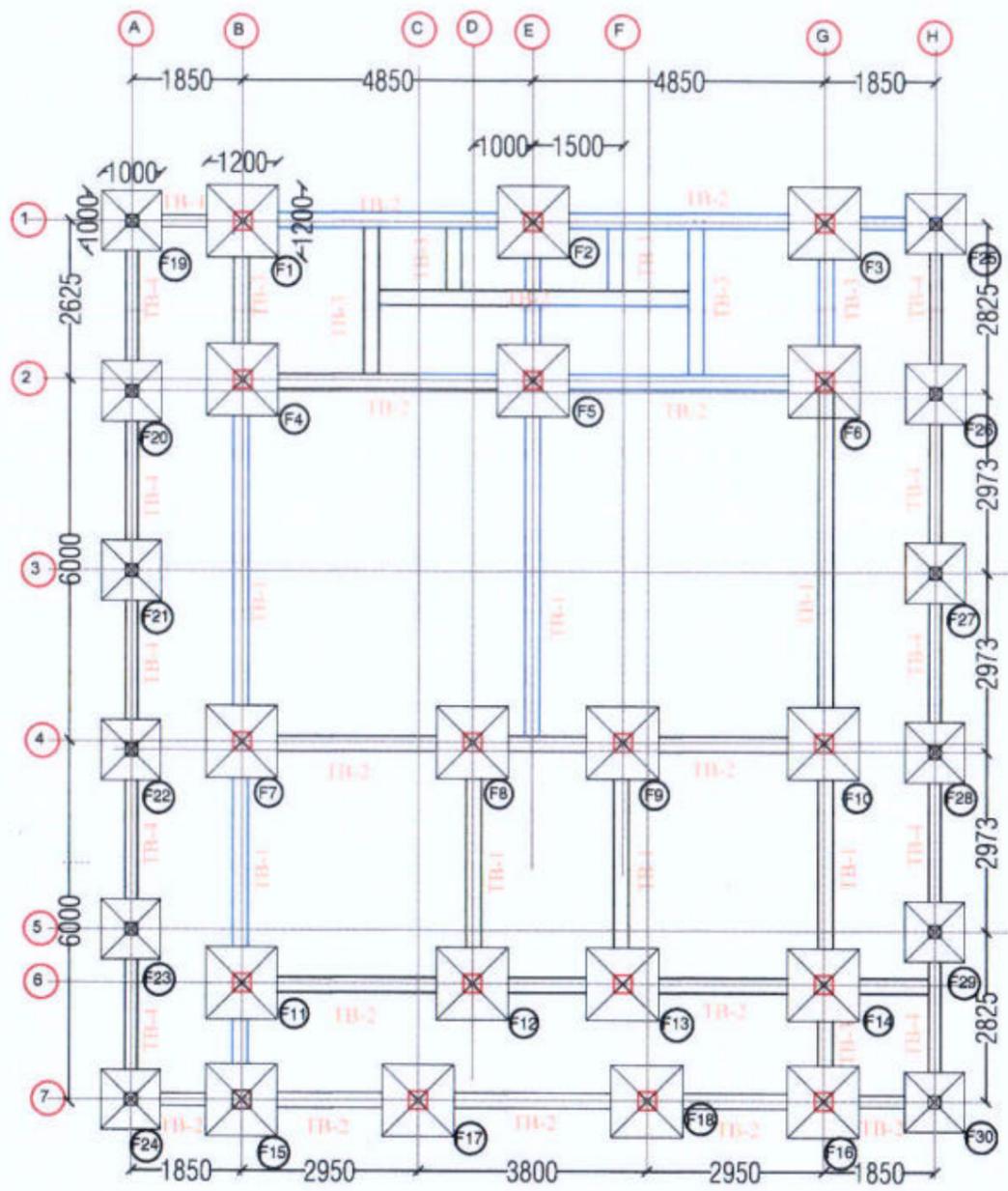
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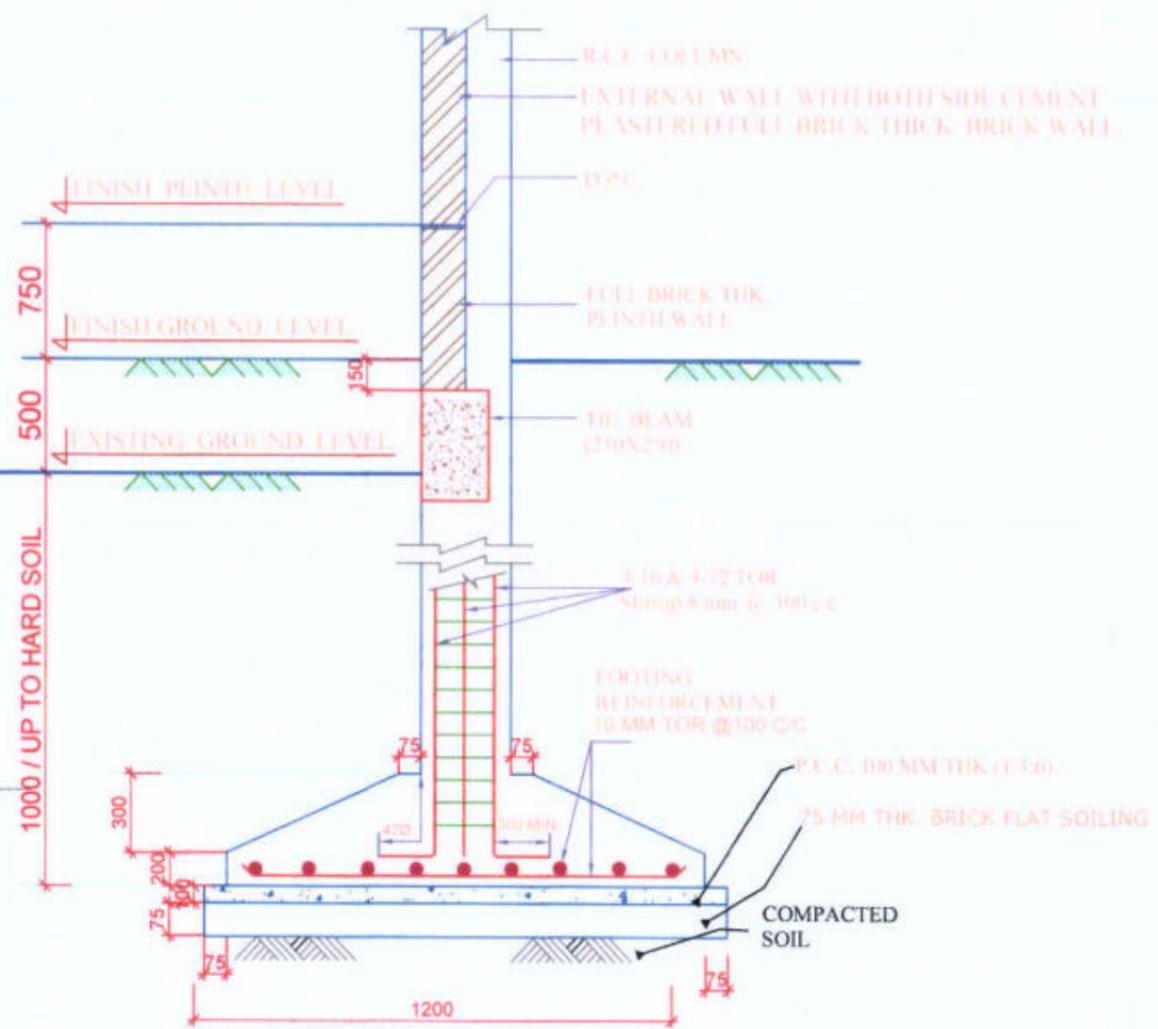
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PROJECT TITLE:
 Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

DRAWING CONTENTS: 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-1 to 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

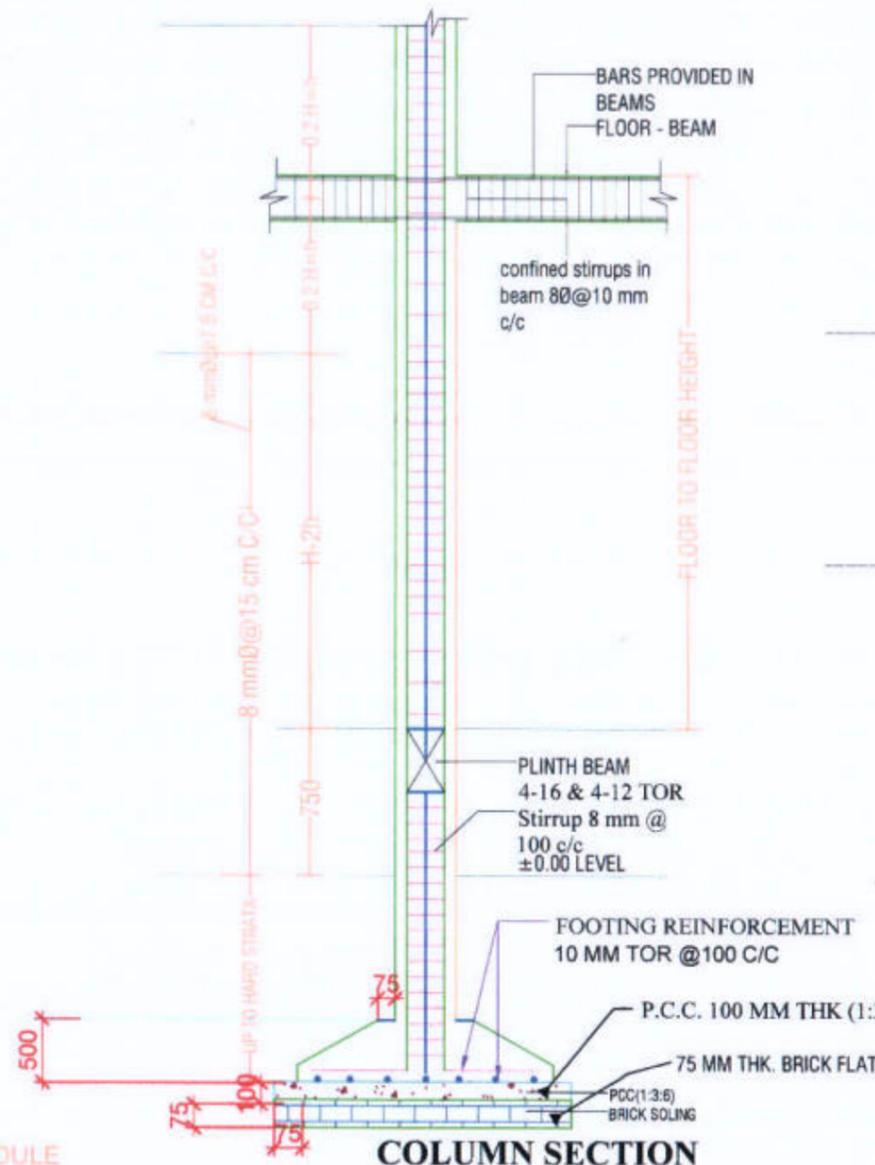
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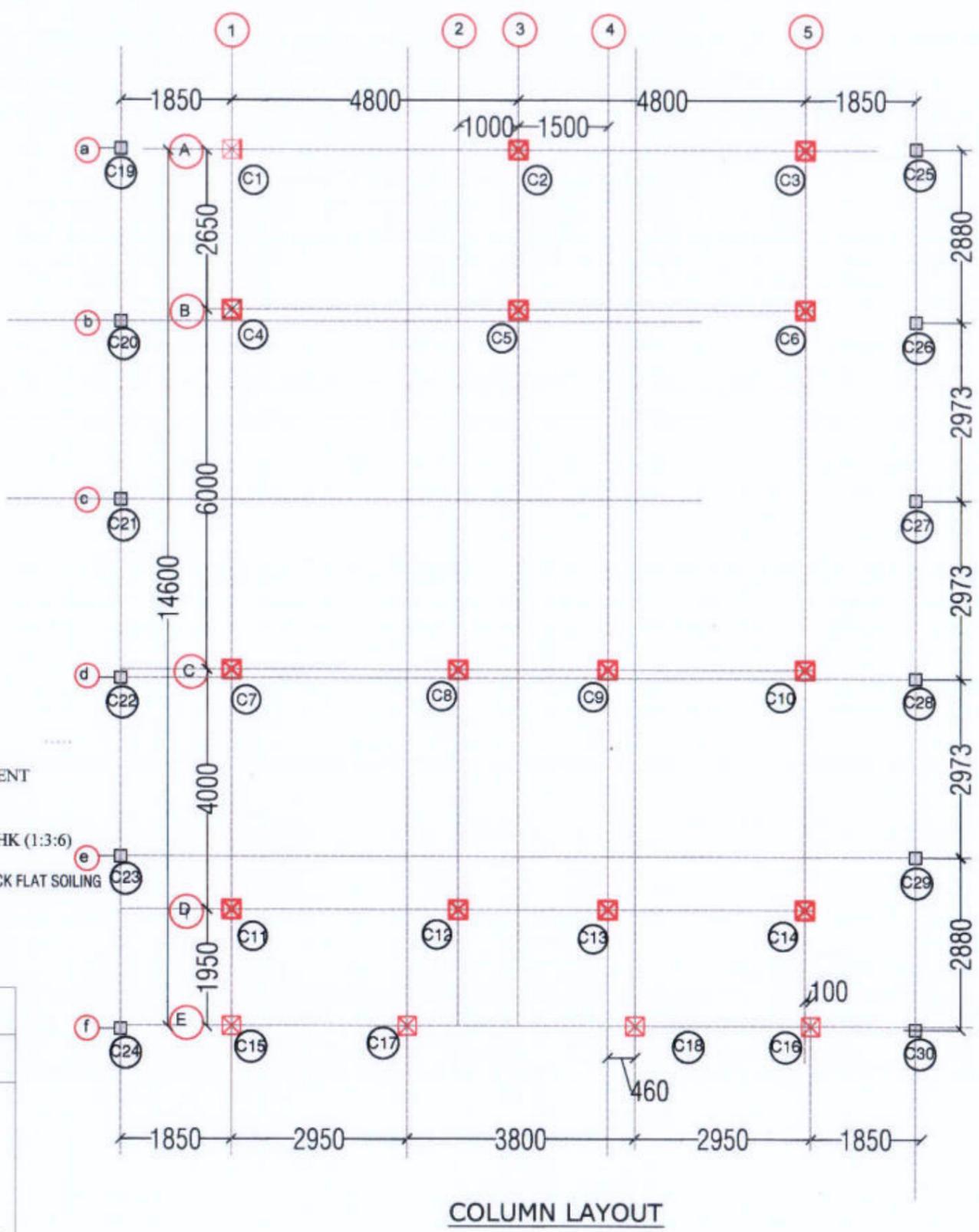
178
DRAWING CONTENTS: Community Hall cum
 Wetland Information Centre

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			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			A=12 MM	



COLUMN LAYOUT

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DRAWING :
LAYOUT OF COLUMN

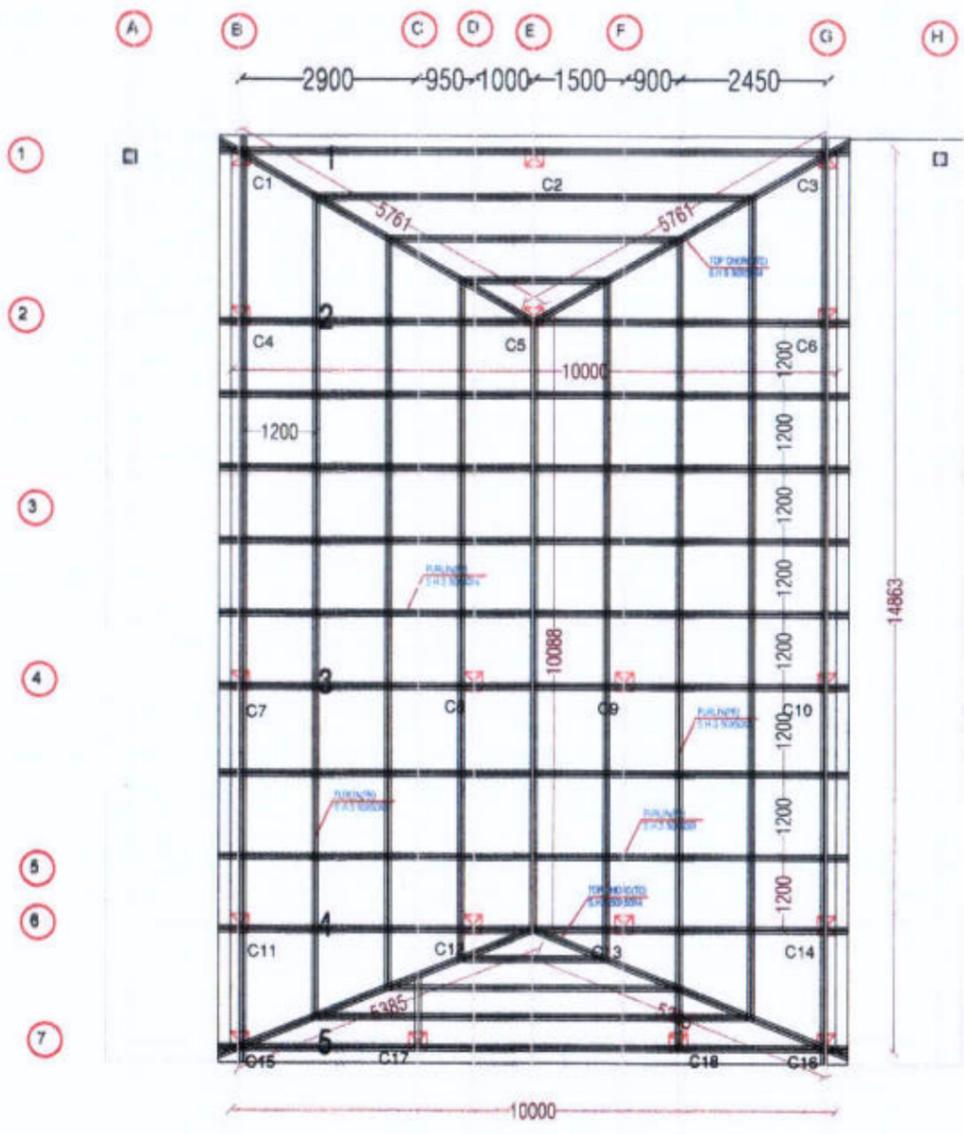
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Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

DRAWING No. :
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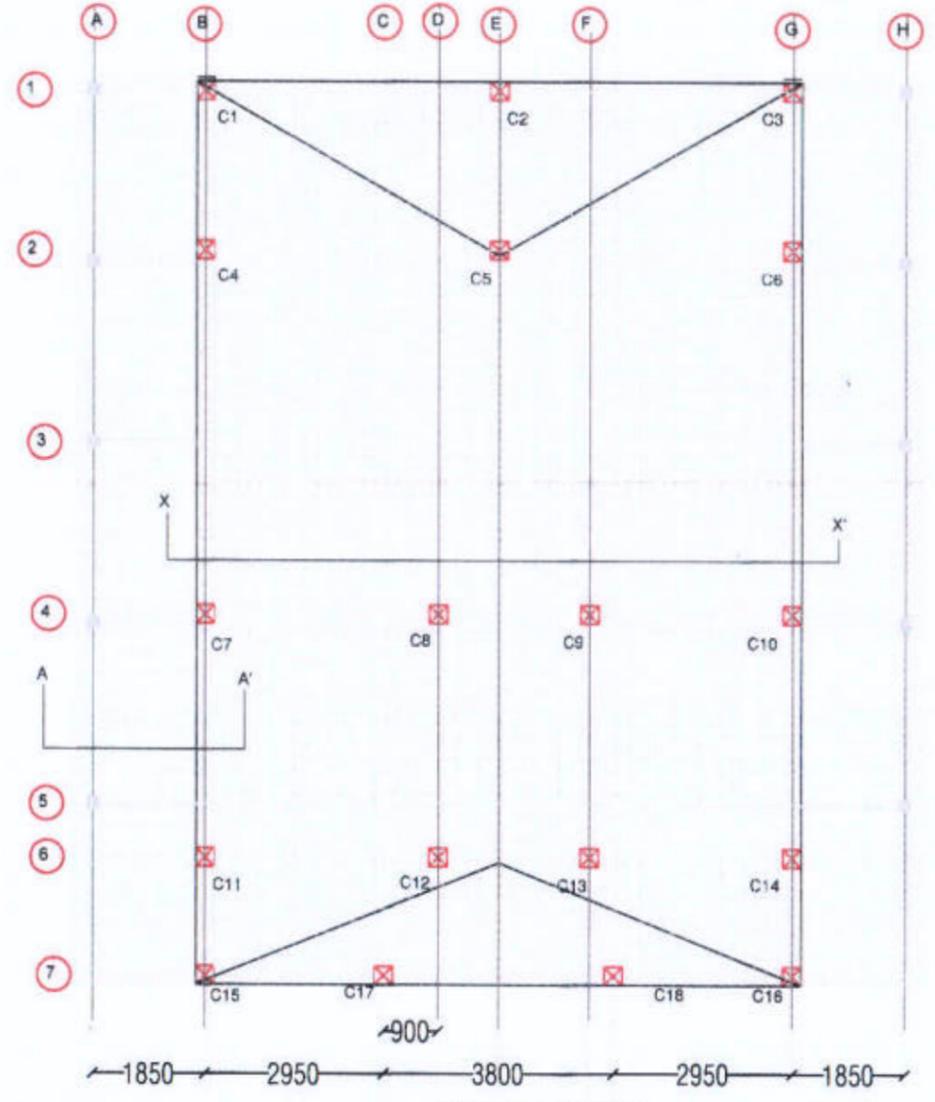
DRAWING CONTENTS: Community Hall cum
Wetland Information Centre

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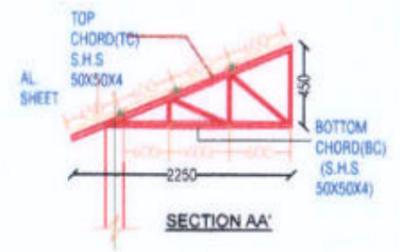
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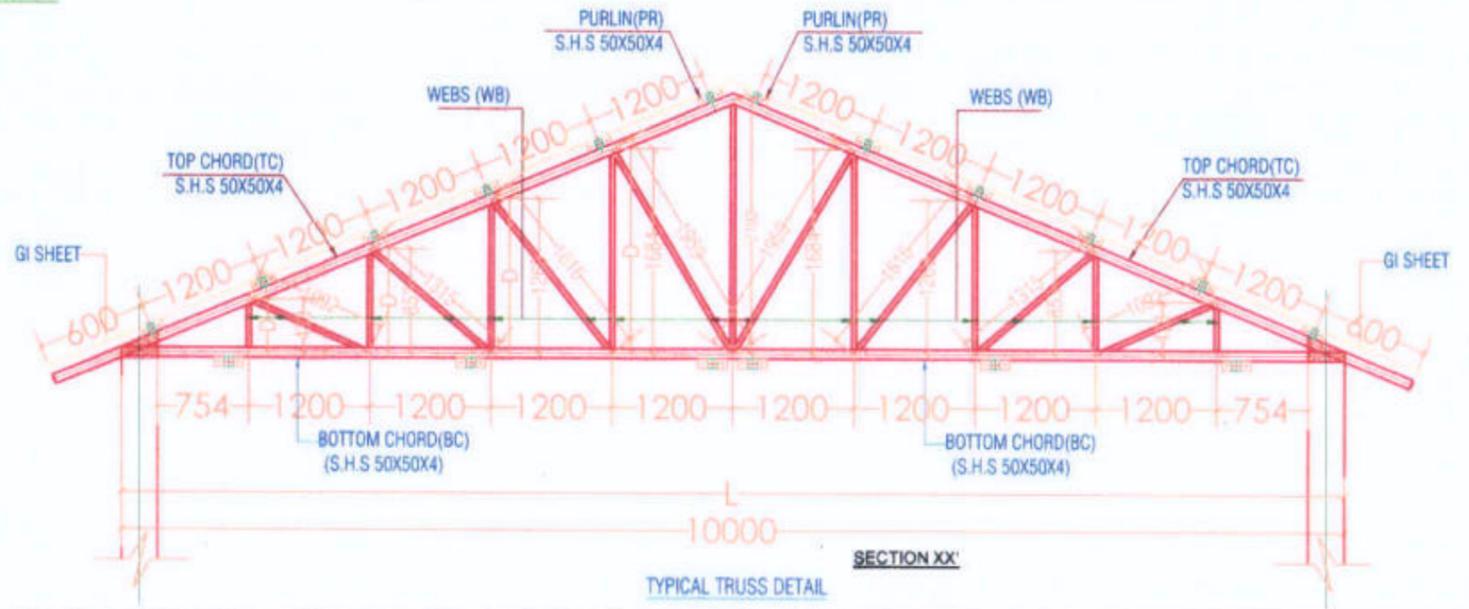
TRUSS PLAN



ROOF PLAN

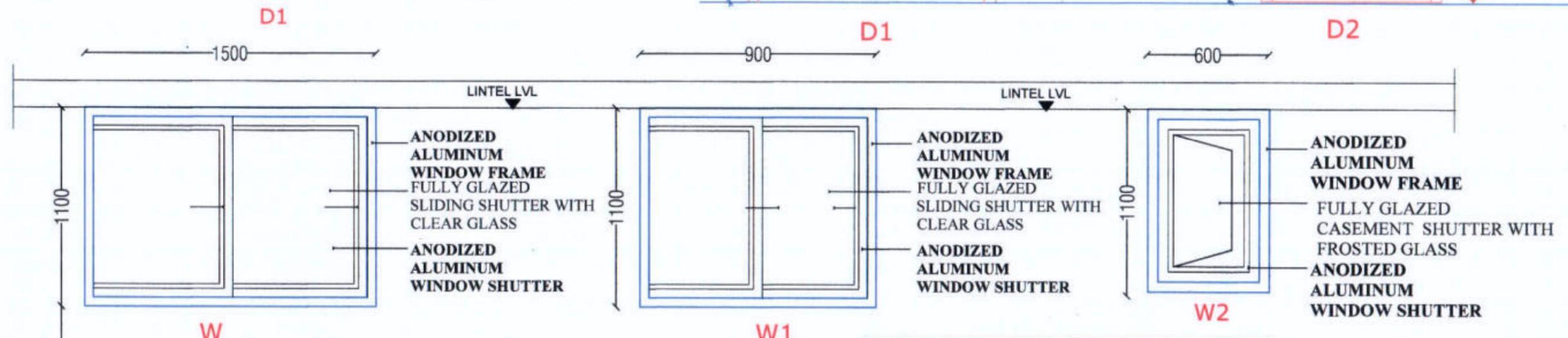
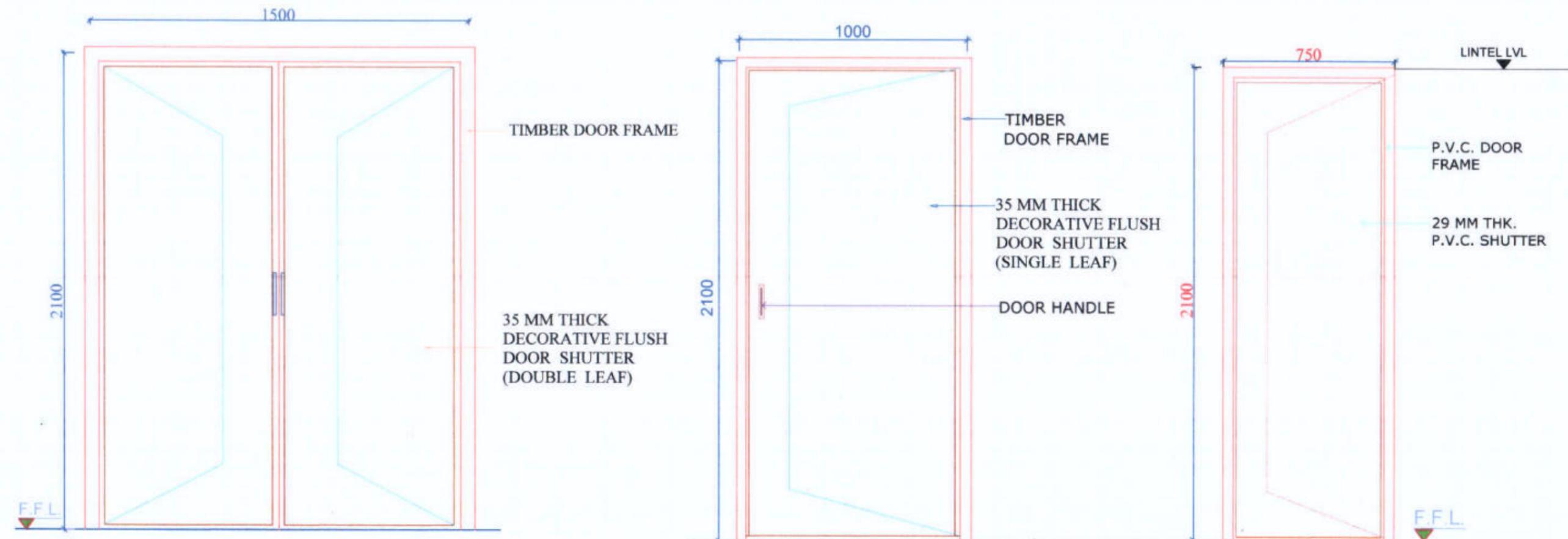


SECTION AA'



TYPICAL TRUSS DETAIL

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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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 Regd. Office Address
 H. N. ARIAS, 21/2026-SWIFT-ARIAS-Assam Rural Infrastructure and Agricultural Services (ARIAS) (Computer No. 735095)
 NAGAOH, ASSAM, PIN-782002
 Generated from Office by Bably Hazarika, HRE(BH)SWIFT, HR EXECUTIVE, Assam Rural Infrastructure and Agricultural Services (ARIAS) on 04/03/2026 02:10 PM

DRAWING :
 DETAIL & SCHEDULE OF DOORS & WINDOWS

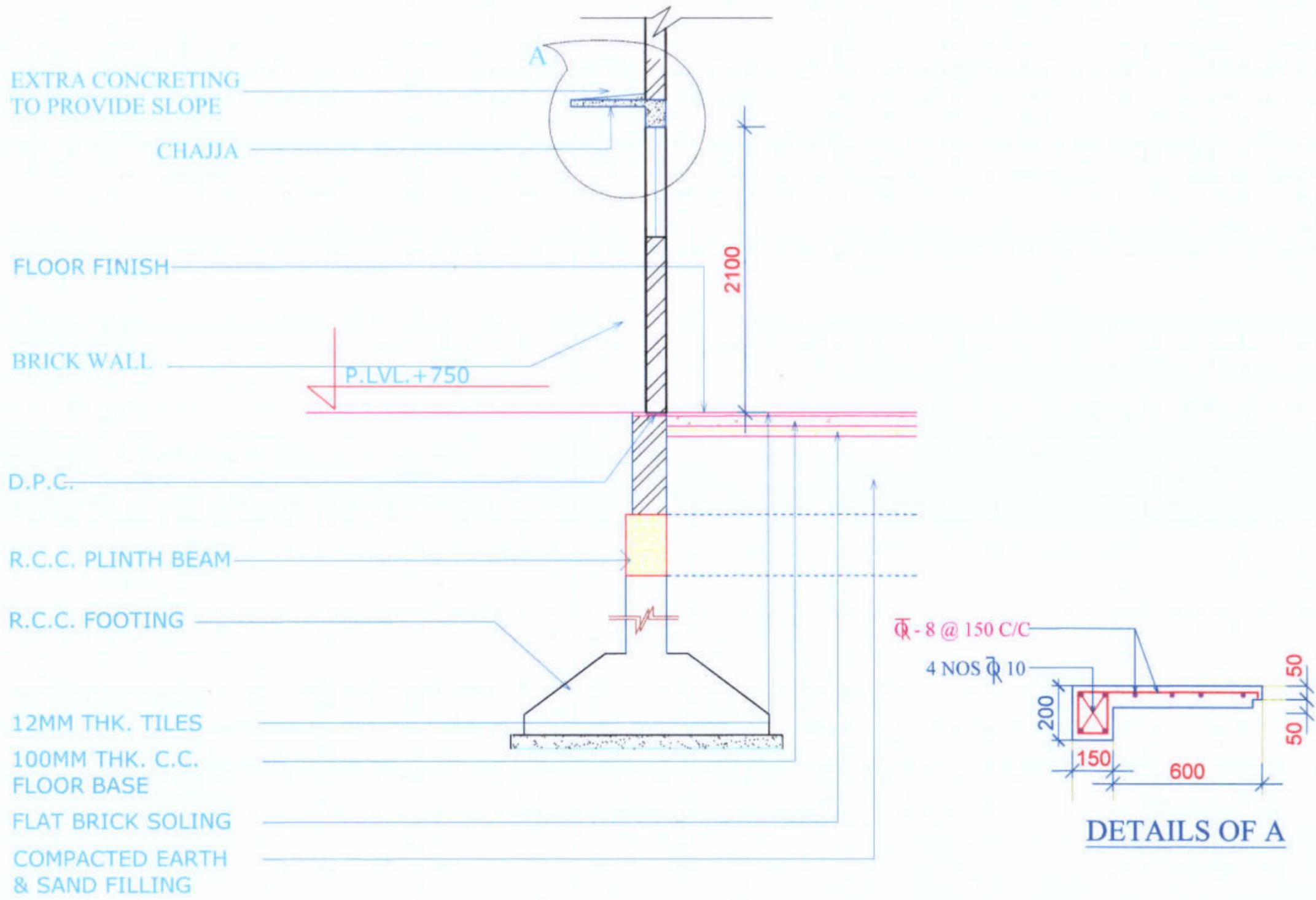
PROJECT TITLE:
 Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

DRAWING No. :
 ASSAM/SWIFT/GR-08/SD/04(F)

DRAWING CONTENTS: Community Hall cum Wetland Information Centre

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GENERAL SECTION THROUGH R.C.C. LINTEL, WINDOW & FLOOR.

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DRAWING :
 CHAJJA DETAILS

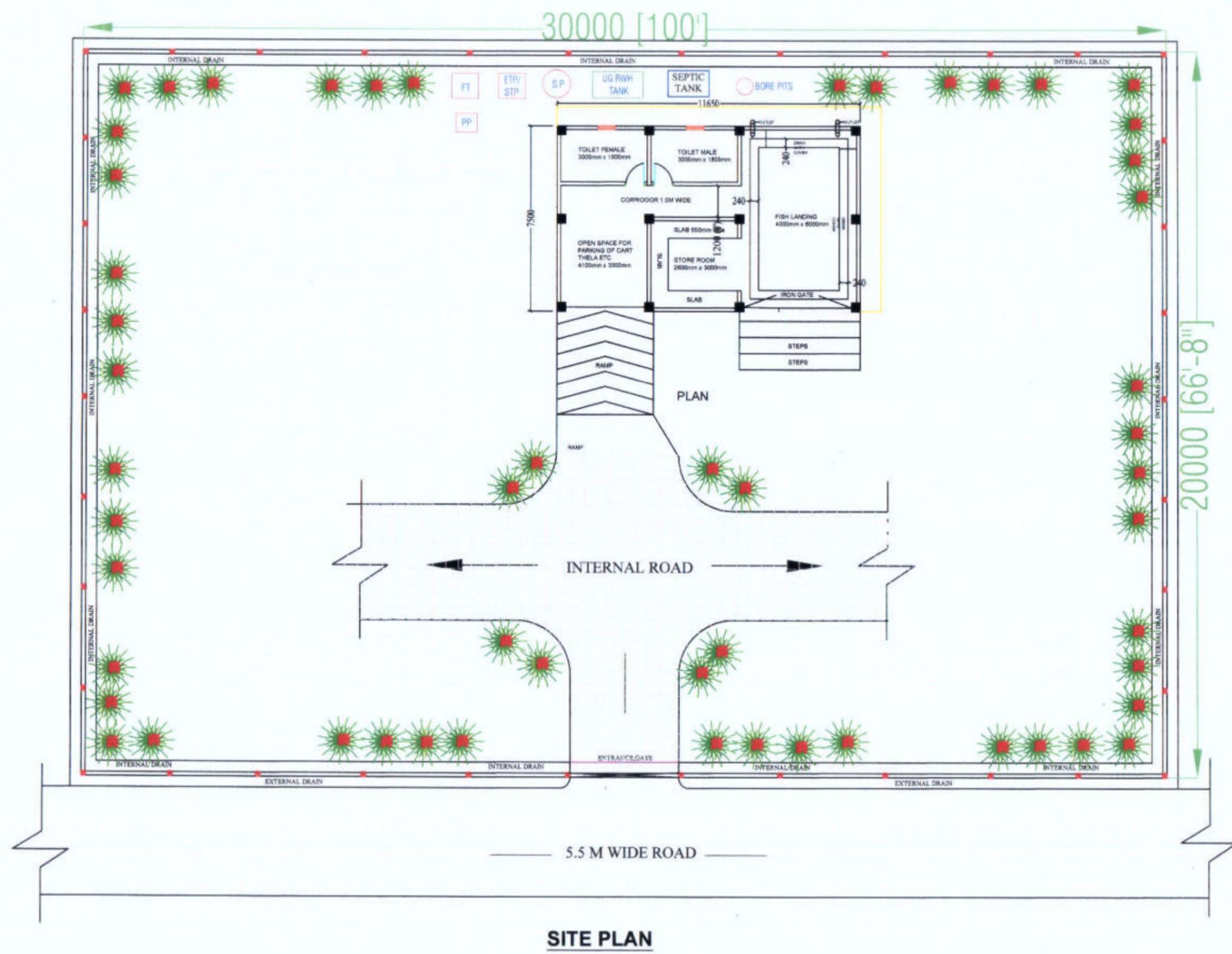
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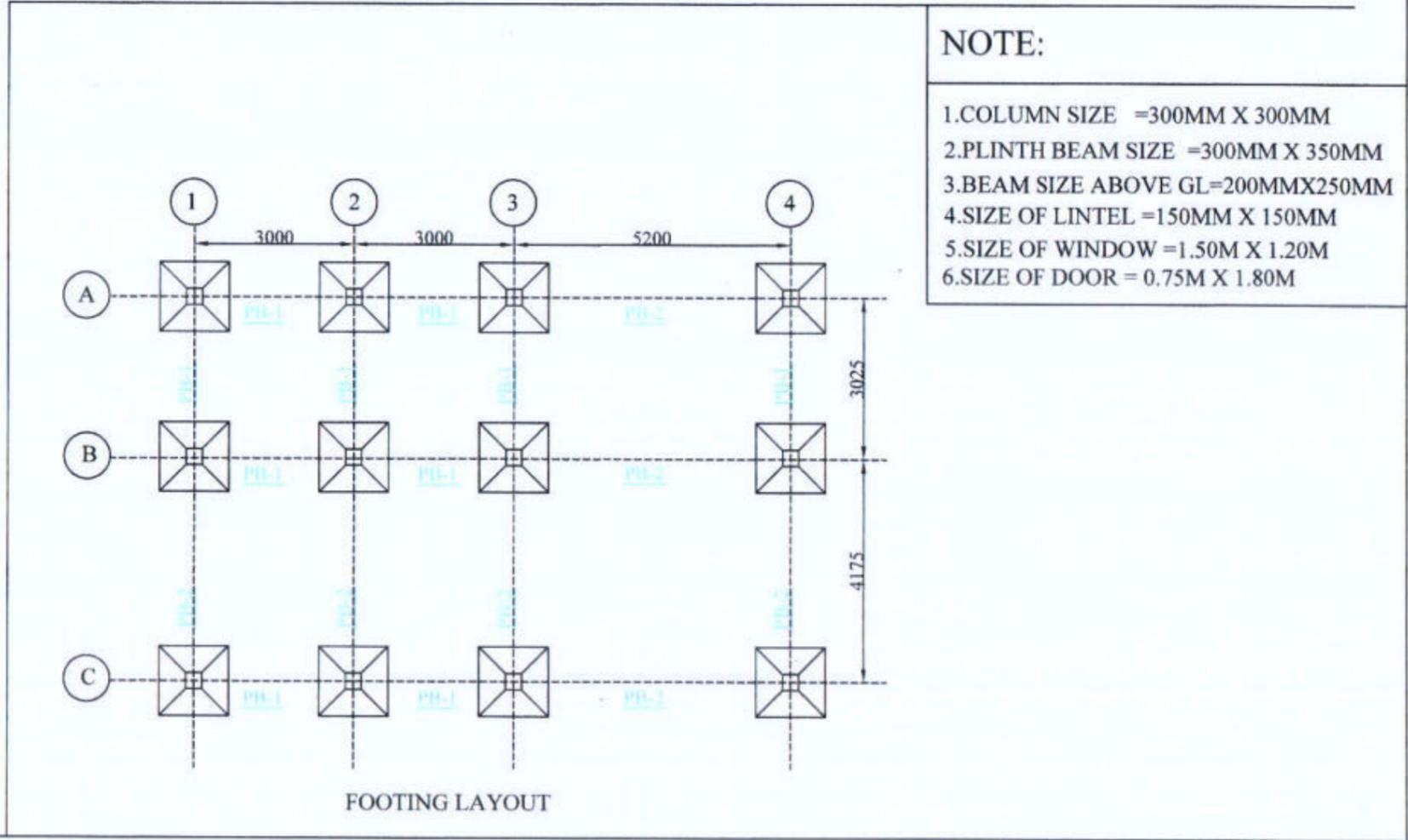
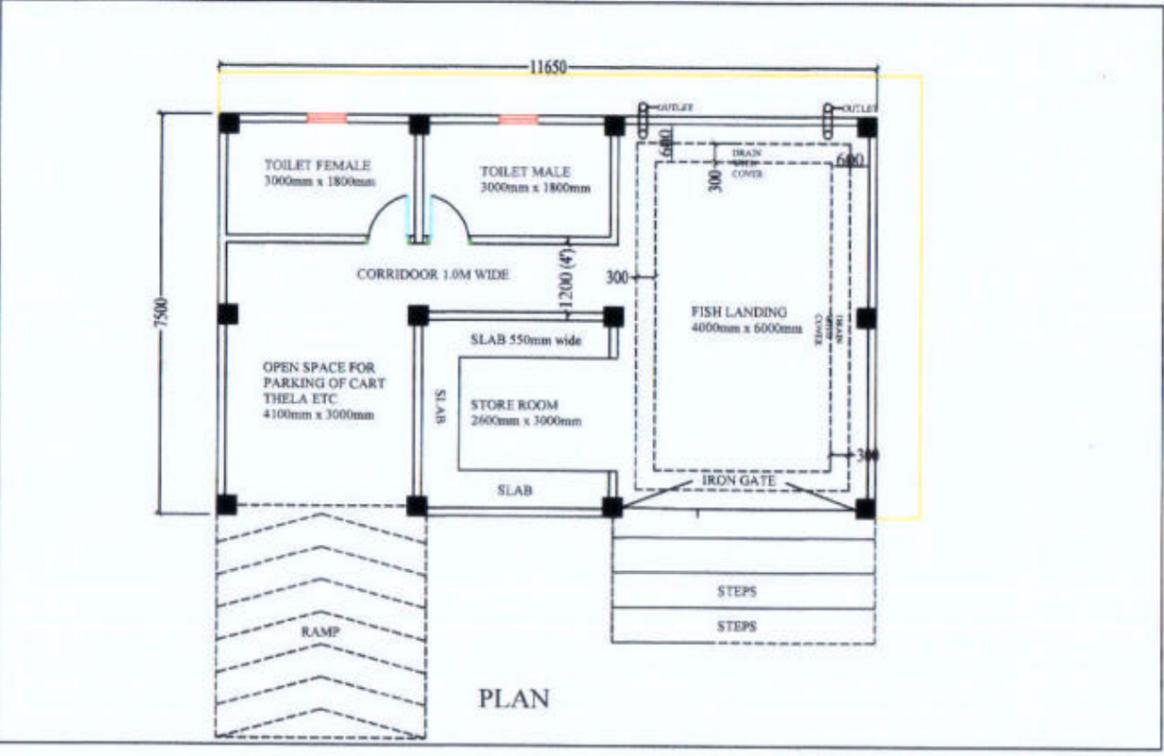
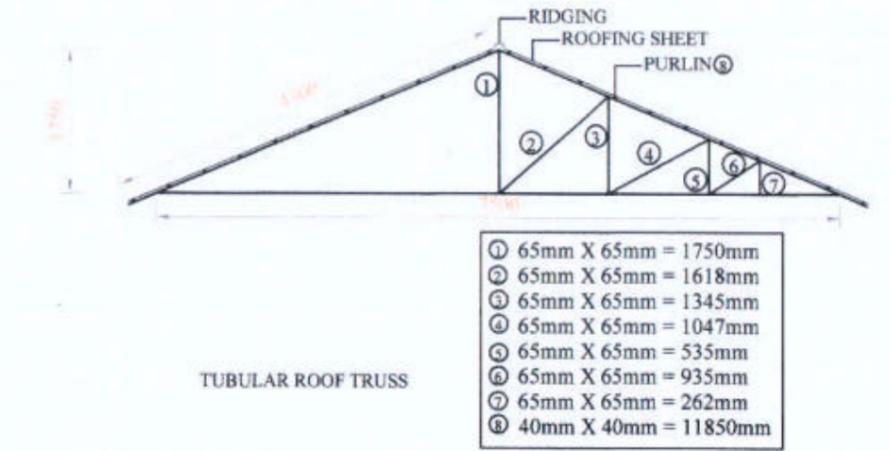
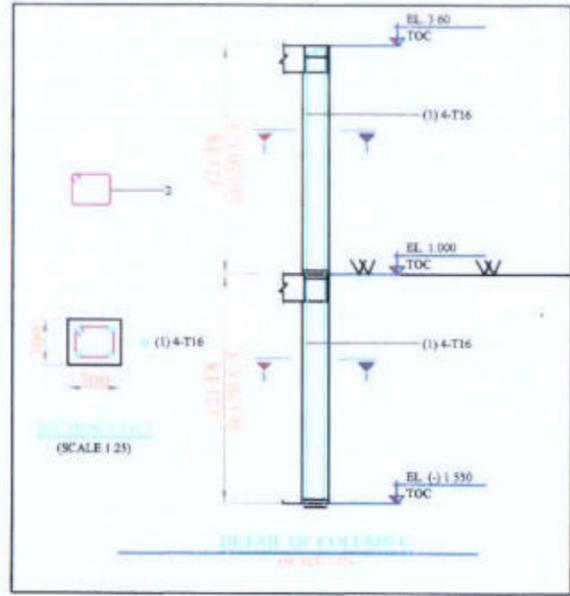
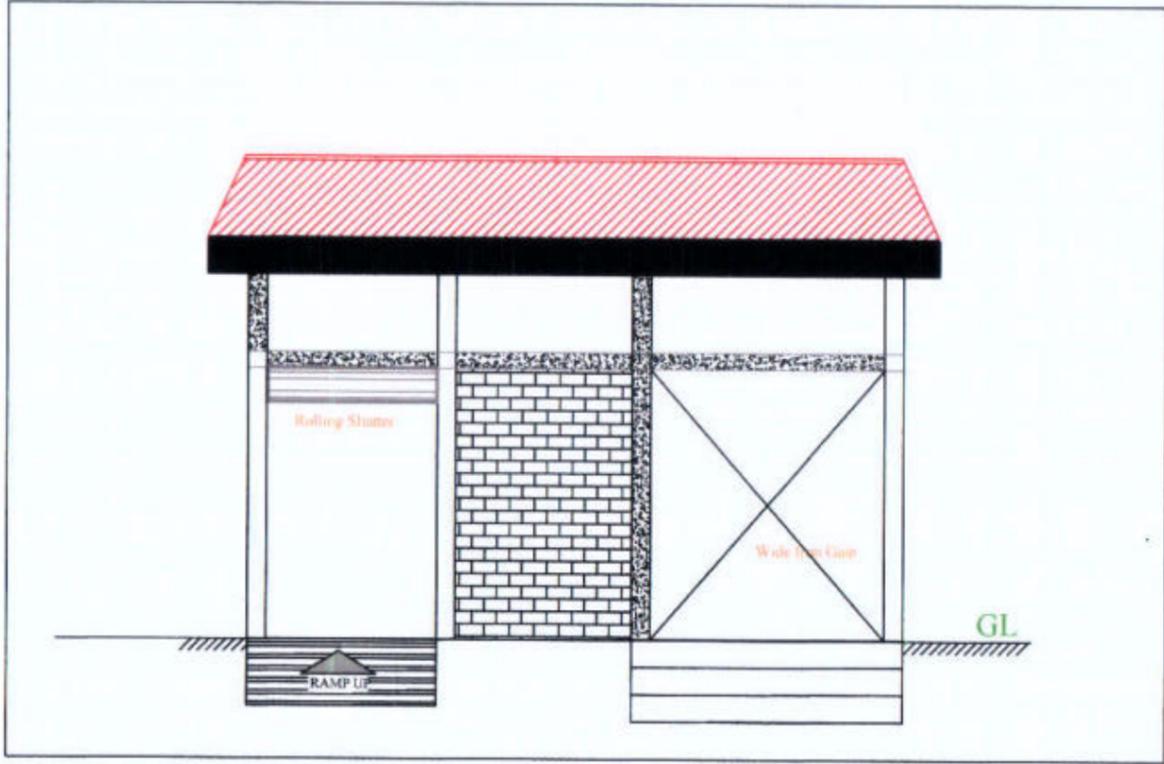
PROJECT TITLE:
 Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

DRAWING CONTENTS: Community Hall cum
 Wetland Information Centre



SITE PLAN

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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

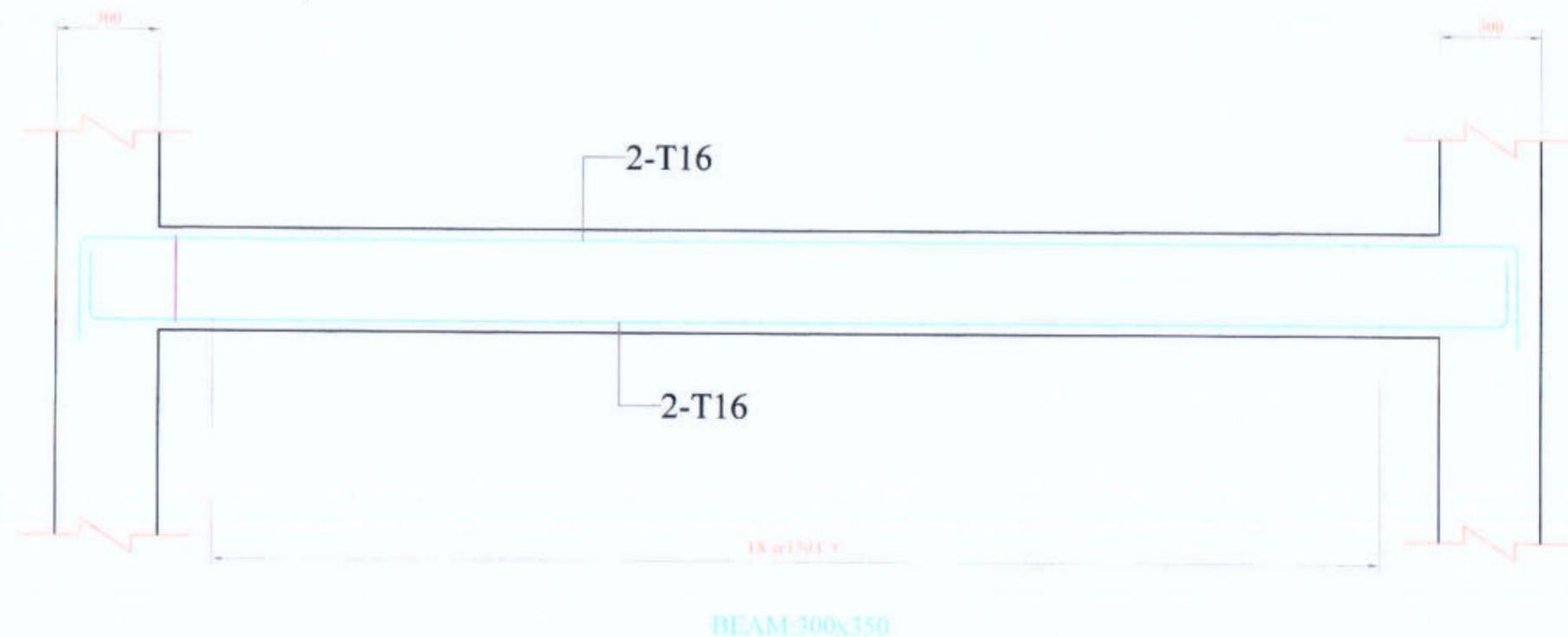
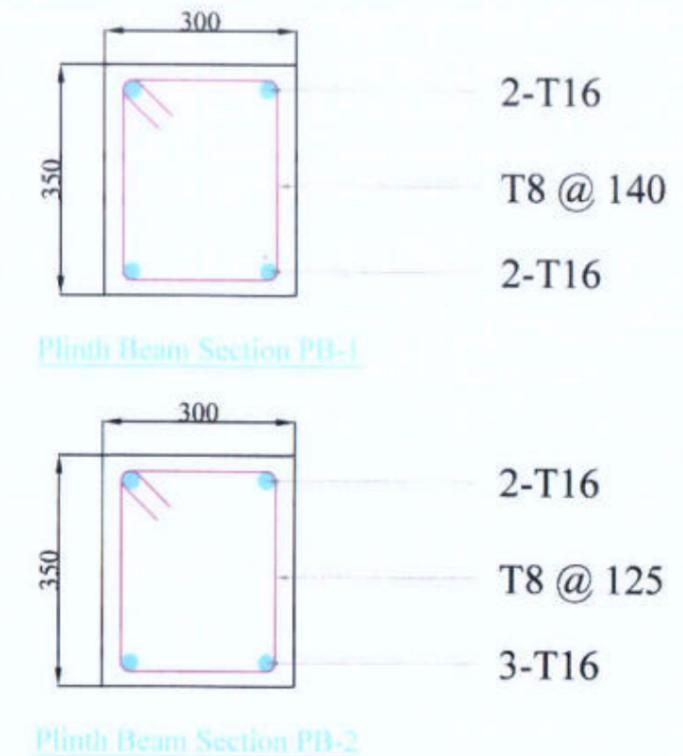
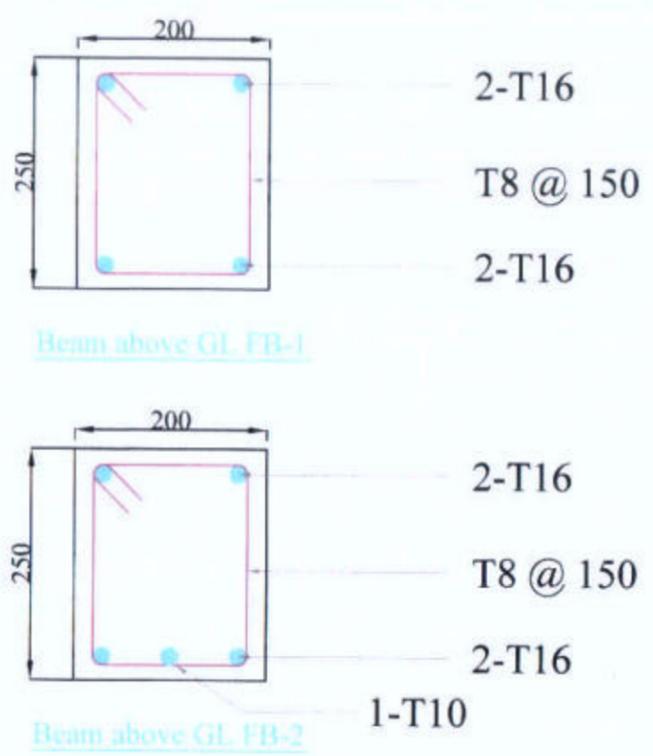
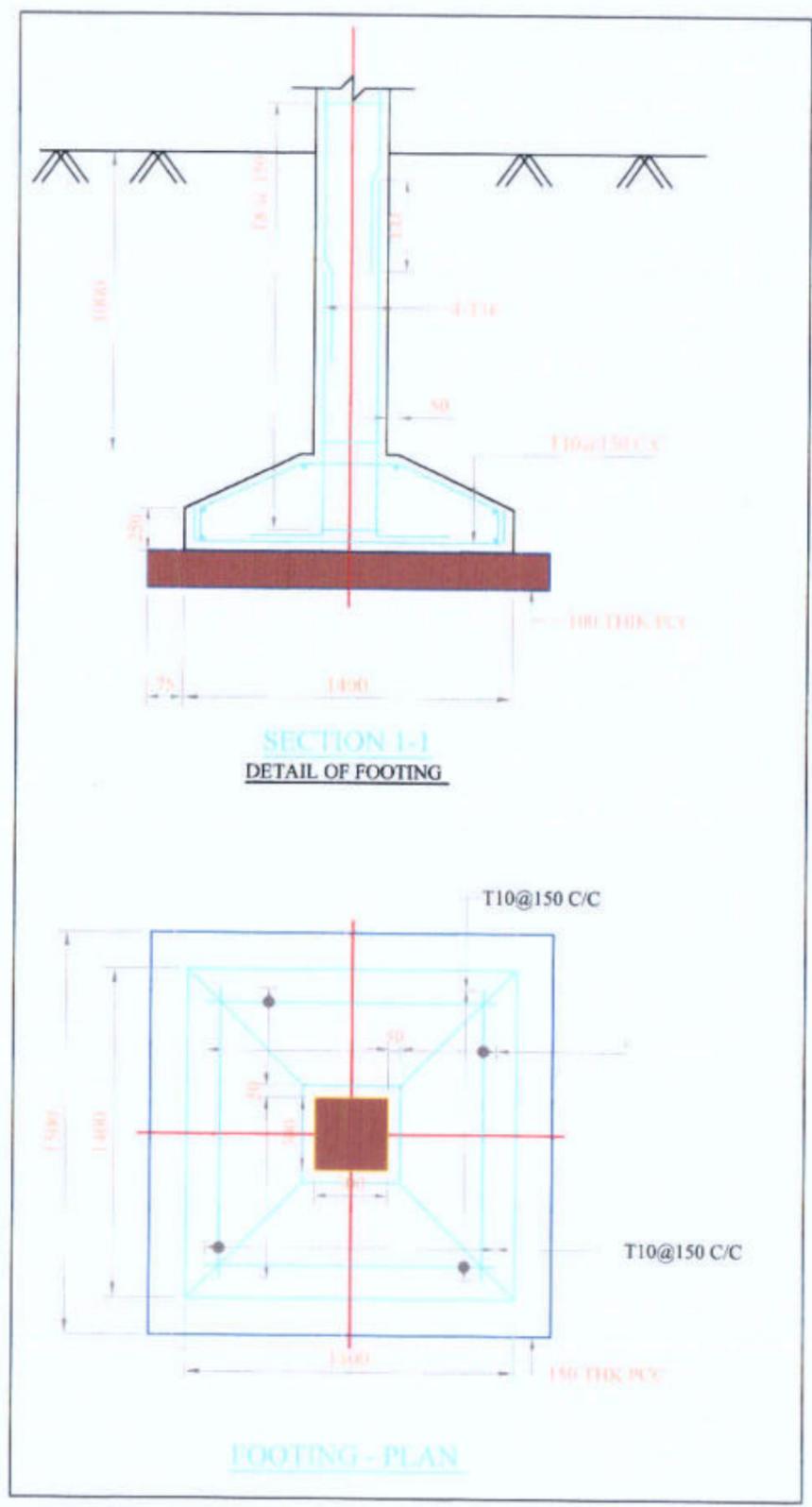
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DRAWING :
 PLAN, ELEVATION & CS OF FISH
 LANDING CENTRE

DRAWING No. :
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(SCALE: H = 1:50 / V = 1:50)

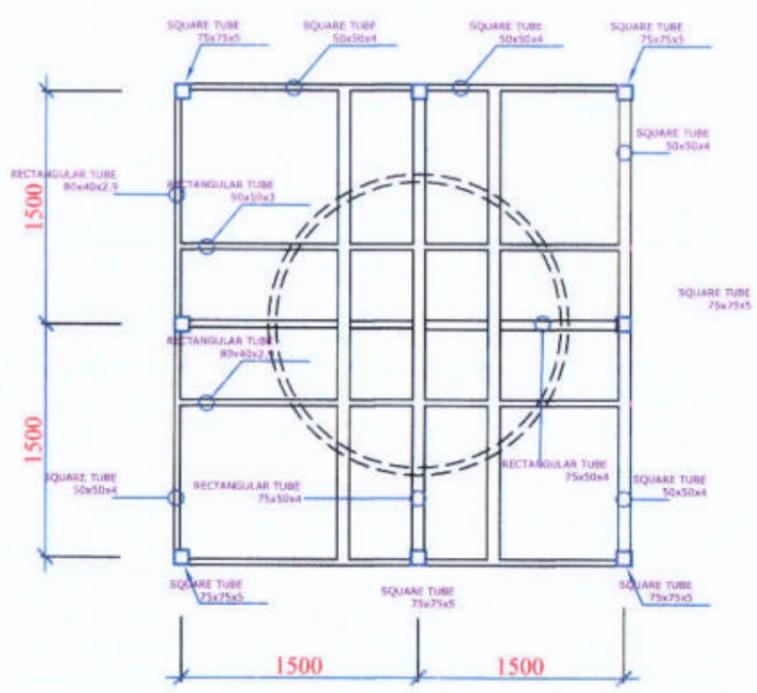
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DRAWING :
 STRUCTURAL DETAILS OF
 FISH LANDING UNIT

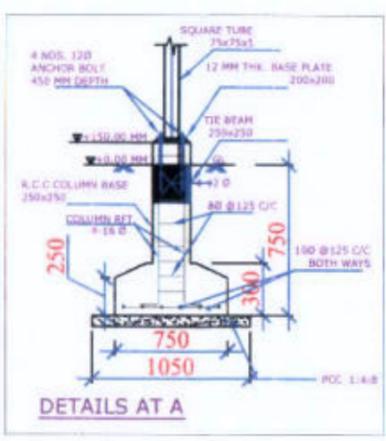
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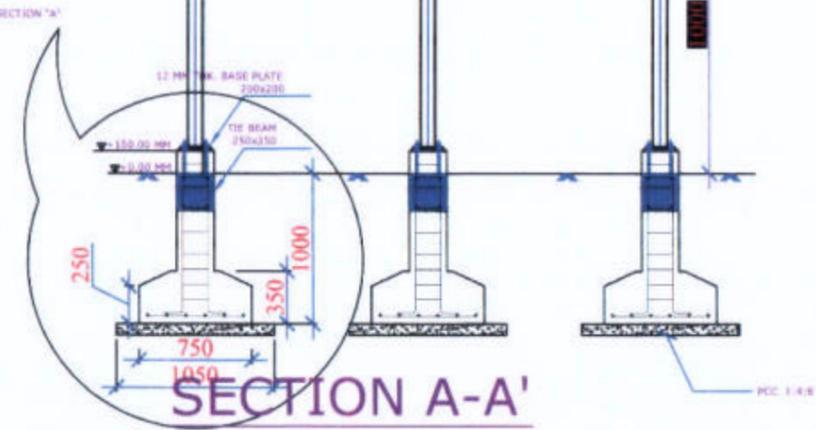
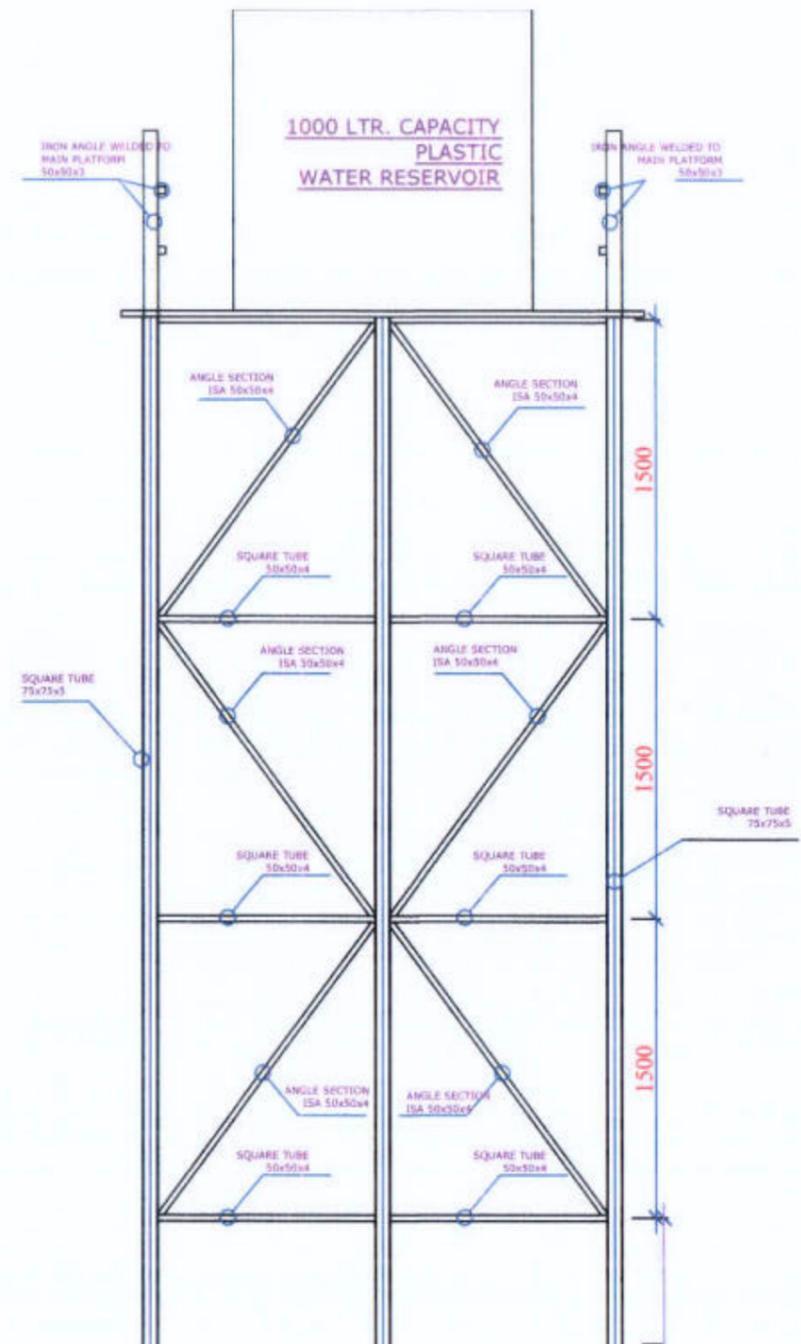
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ARRANGEMENT OF TOP PLATFORM



DETAILS AT A



SECTION A-A'

- 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

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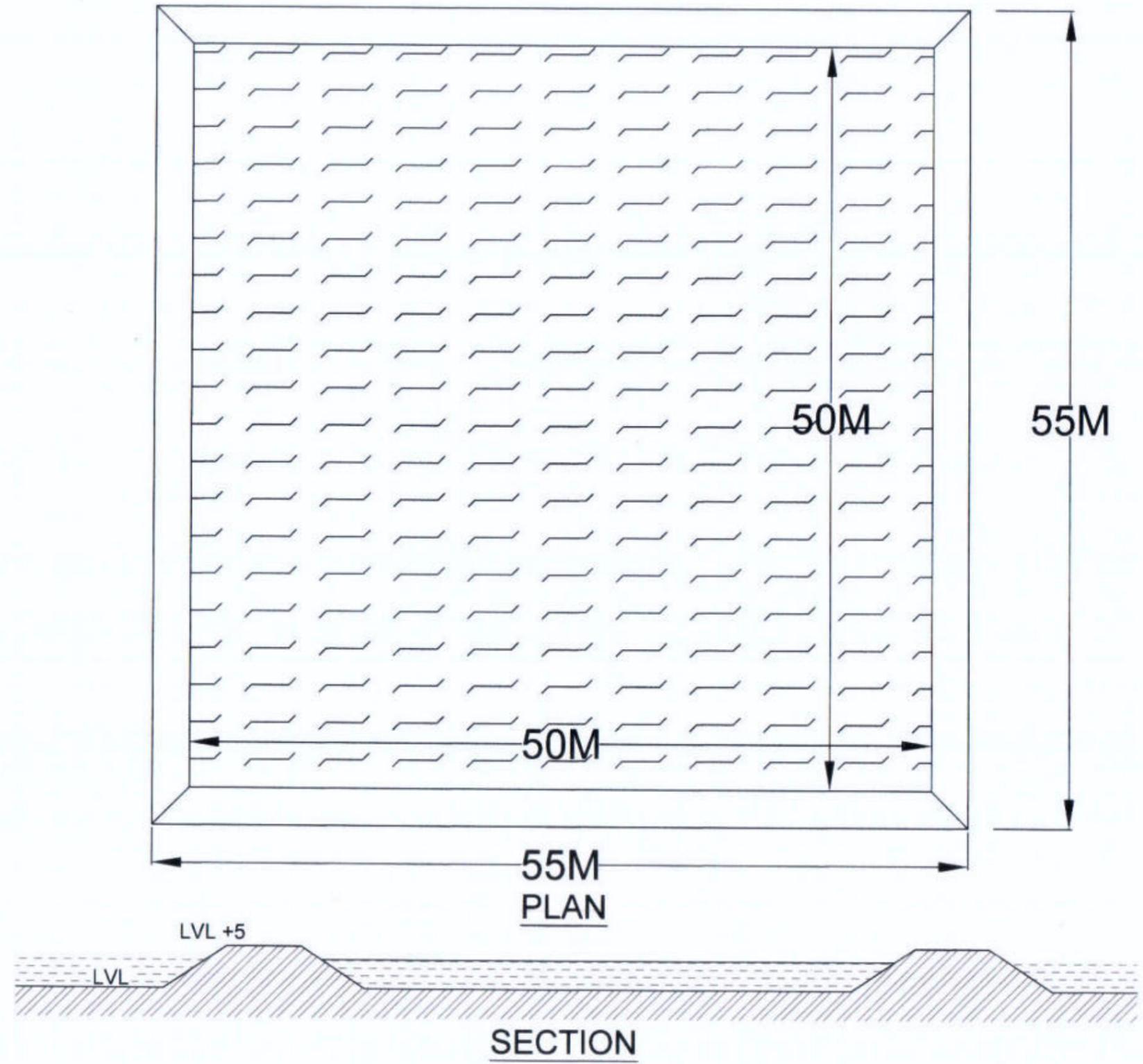
DRAWING :
OVER HEAD TANK

DRAWING NO. :
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TYPICAL PLAN & SECTION OF REARING TANK



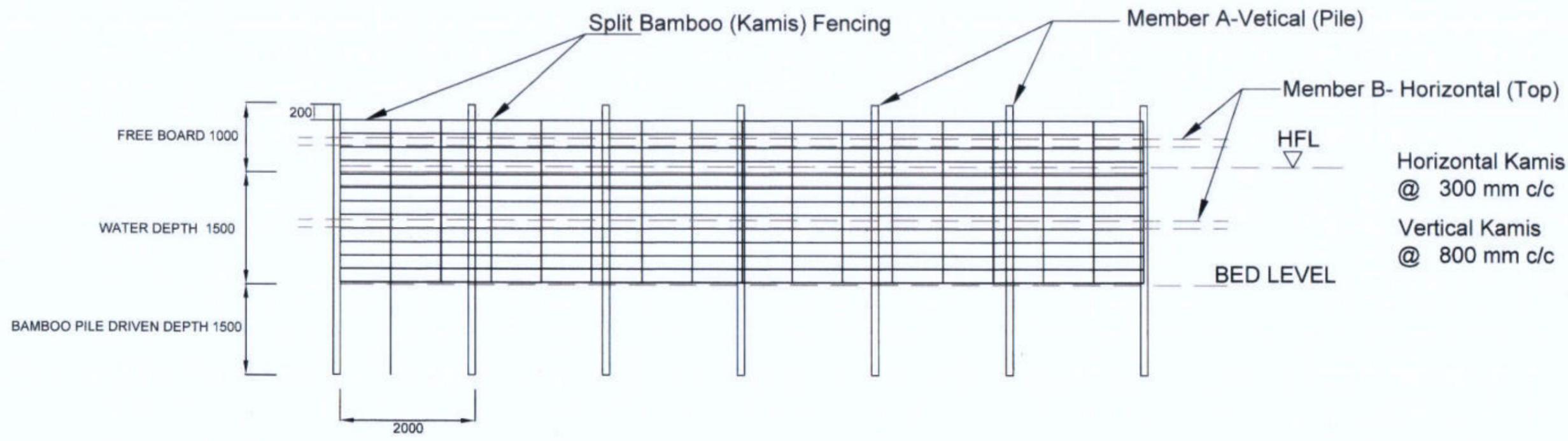
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 NAGAOIN, ASSAM, PIN-782063
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DRAWING :
 PLAN & TYP. CS OF REARING TANK

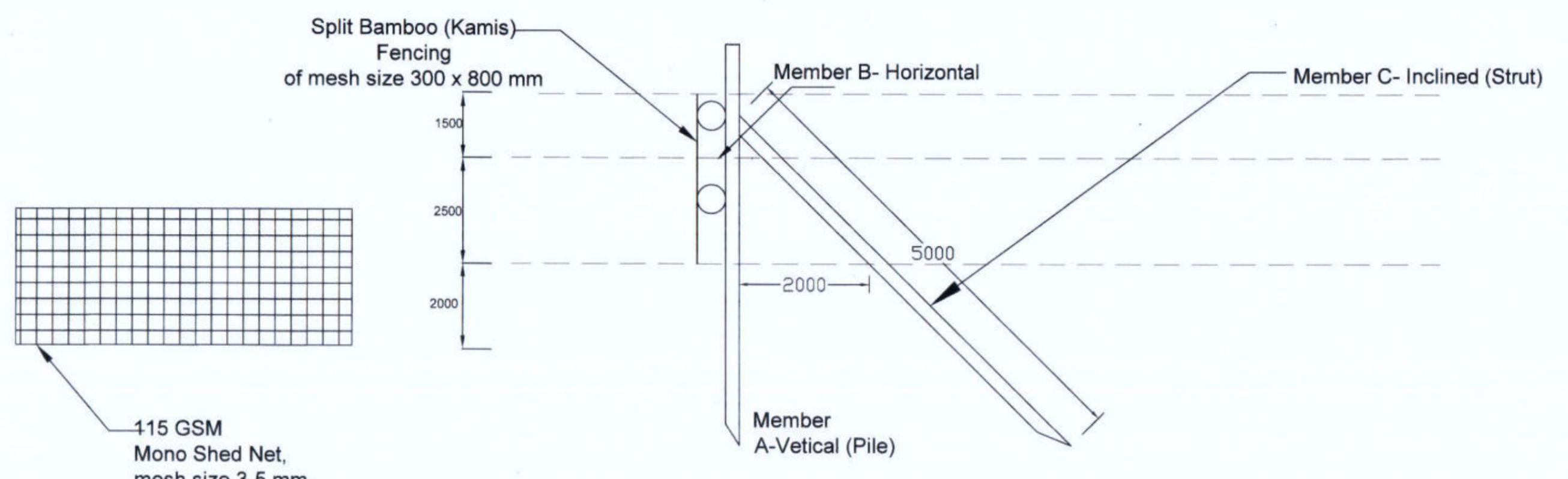
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PEN CULTURE STRUCTURE AT BEEL / WETLAND FISHERIES. (FRONT - ELEVATION)



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

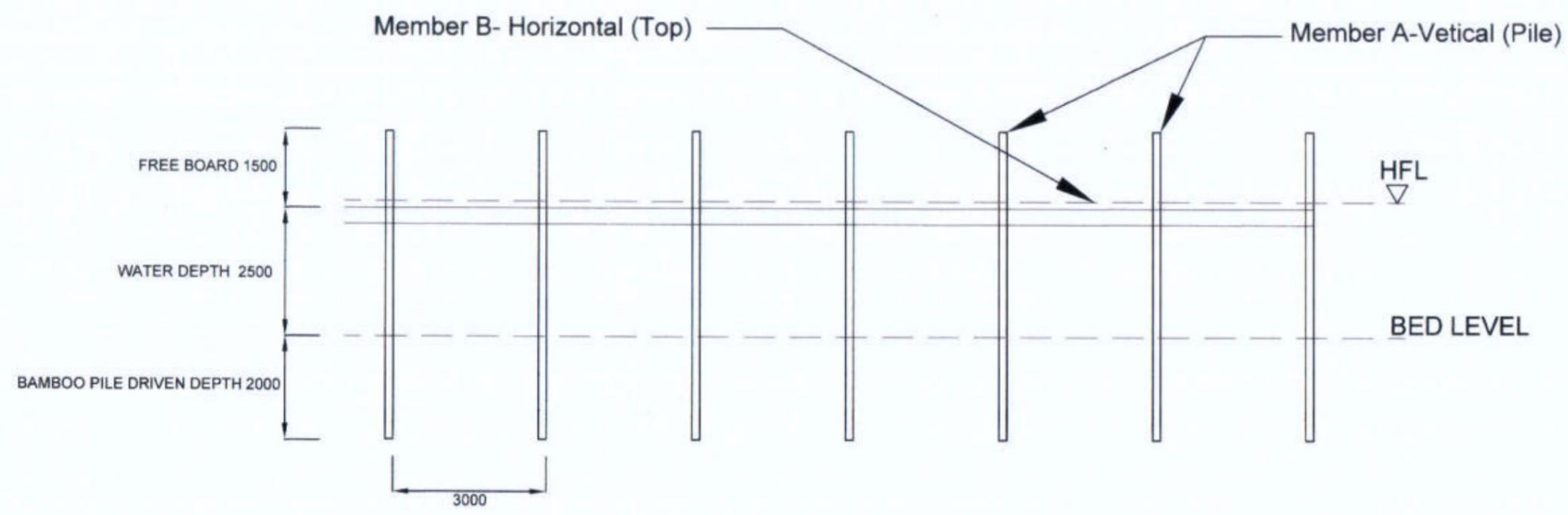
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NAGAON, ASSAM, PIN-782002
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DRAWING :
GENERAL ARRANGEMNT OF PEN CULTURE

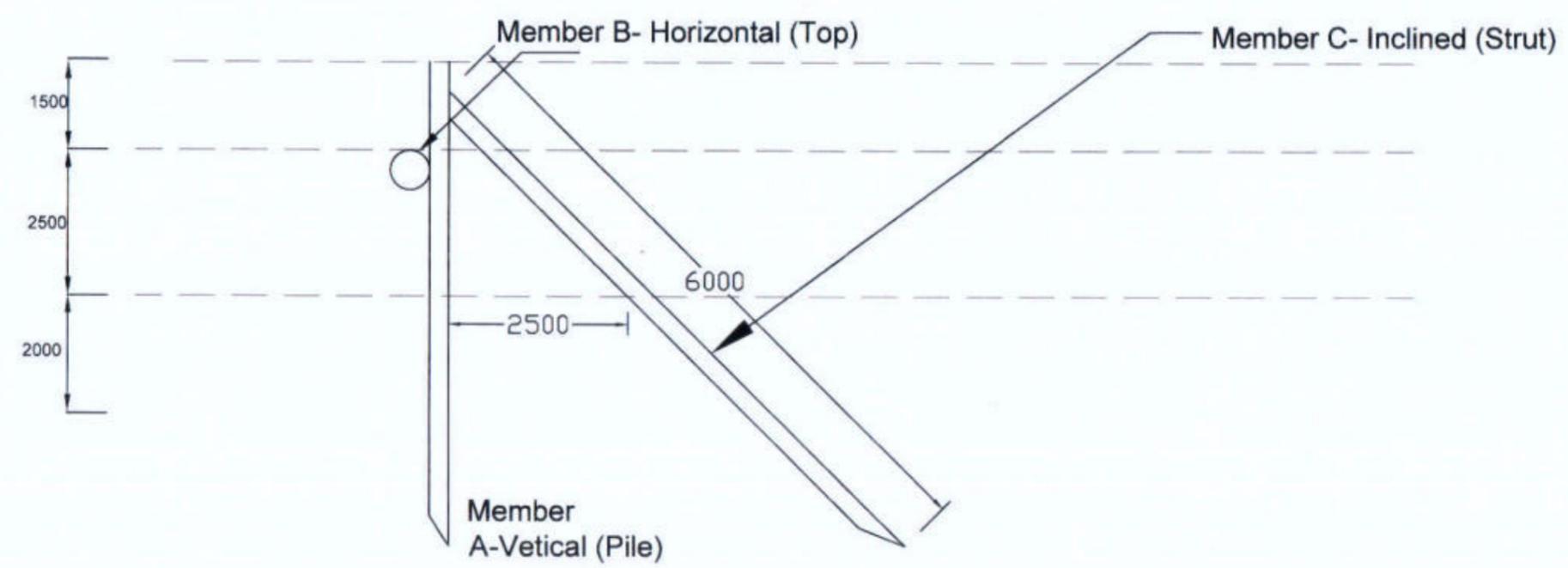
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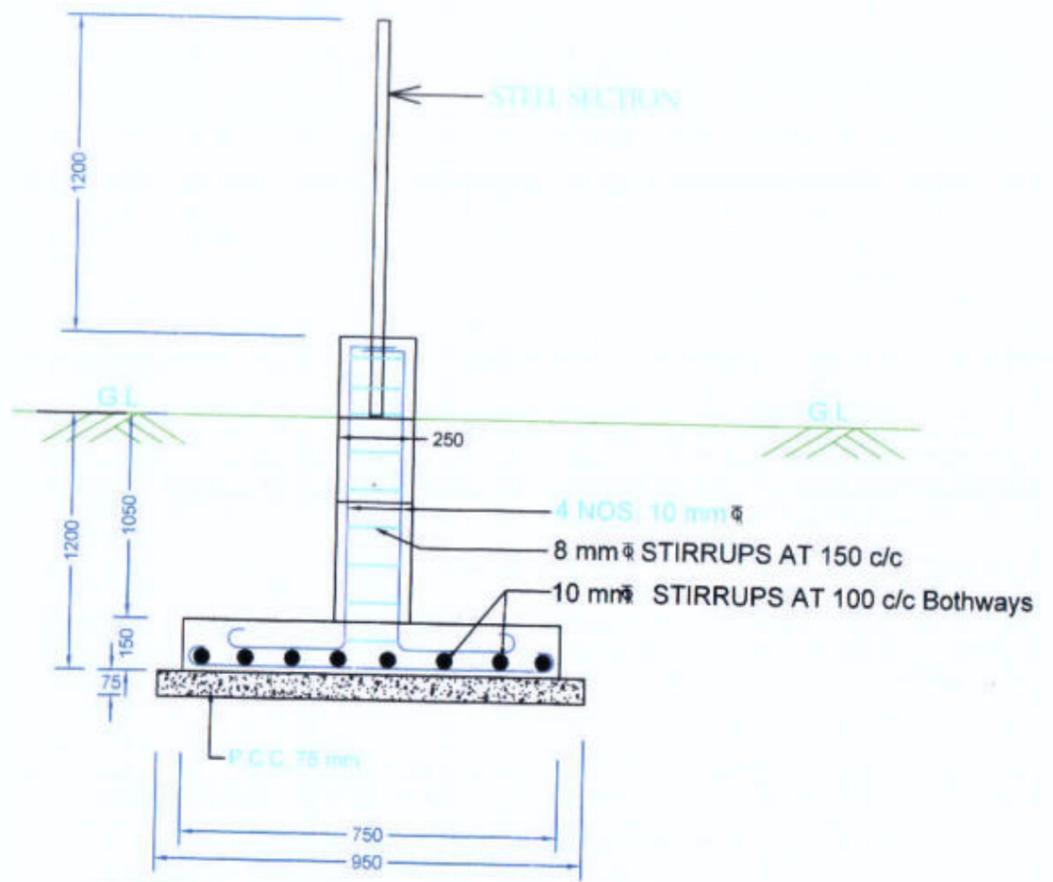


KATAL / CATTLE FISHING STRUCTURE AT BEEL / WETLAND FISHERIES. (FRONT - ELEVATION)

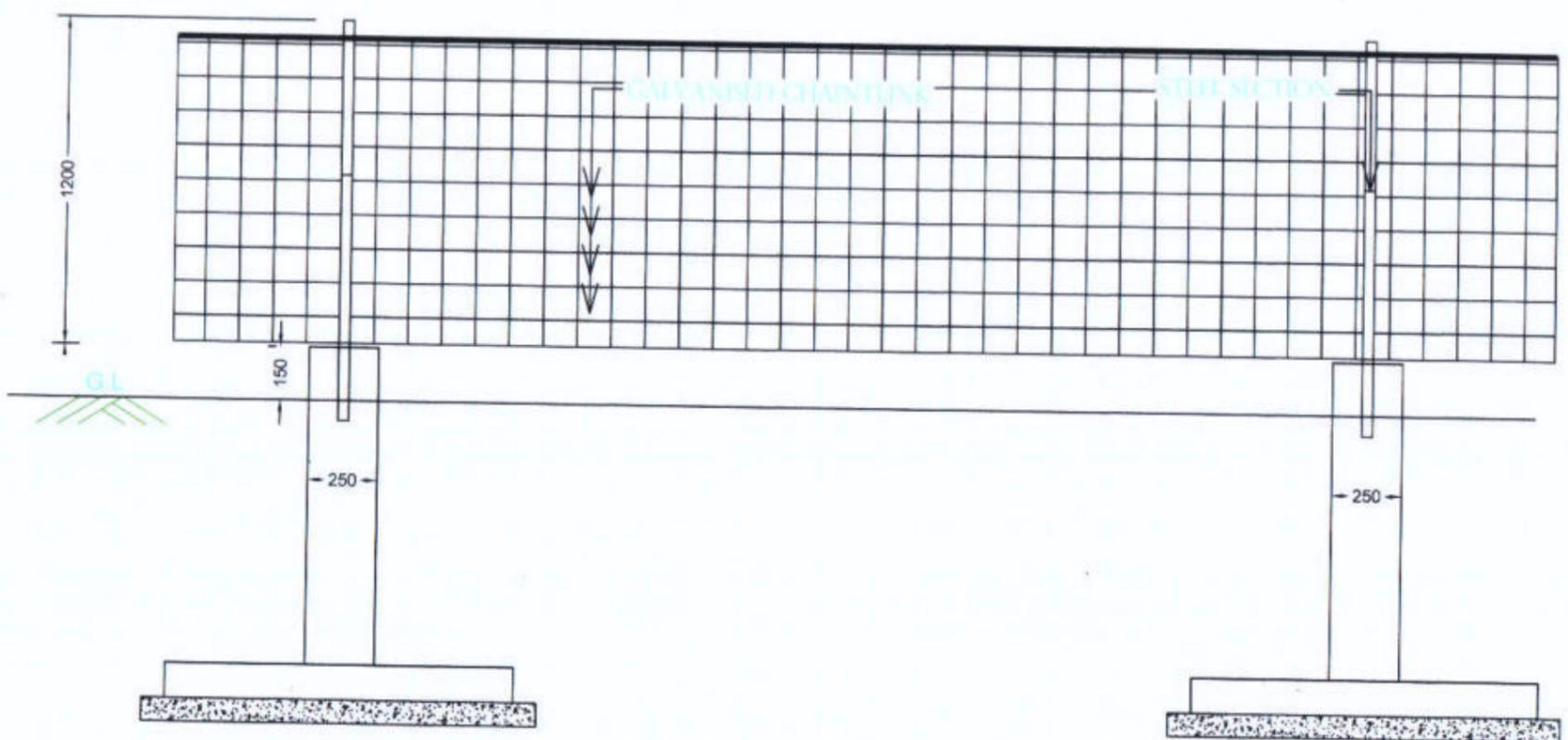


KATAL / JENG STRUCTURE AT BEEL / WETLAND FISHERIES. (SIDE - ELEVATION)

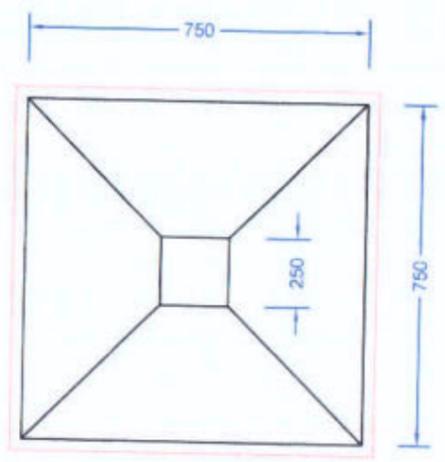
<p>BASIC CONSULTANT (ENGINEERING CONSULTANT) Corpt office Address SURVEY, Ajeeta PATH, HOUSE NO-27, GUWAHATI, KAMRUP (M), ASSAM, PIN-781023. email: basicconsultantghy@gmail.com Regd. Office Address K. HARBARDON, M.D. ROAD, NAGAOH, ASSAM, PIN-781002 email: basicconsultant99@gmail.com</p>	<p>DRAWING : GENERAL ARRANGEMNT OF KATAL/JENG</p>	<p>DRAWING No. : ASSAM/SWIFT/GR-07/SD/09 189</p>	<p>NOT TO SCALE</p>	<p>ARIAS Society GOVERNMENT OF ASSAM Assam Rural Infrastructure Agricultural Service Society</p>
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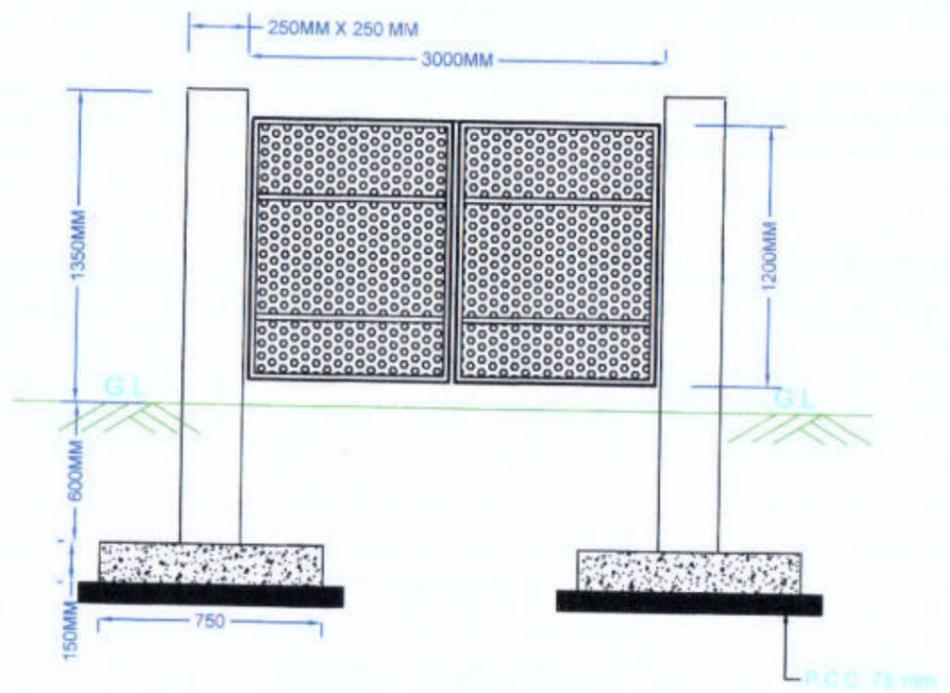
DETAIL OF FOOTING & COLUMN



ELEVATION OF FENCING



PLAN FOR FOUNDATION



ELEVATION OF IRON GATE

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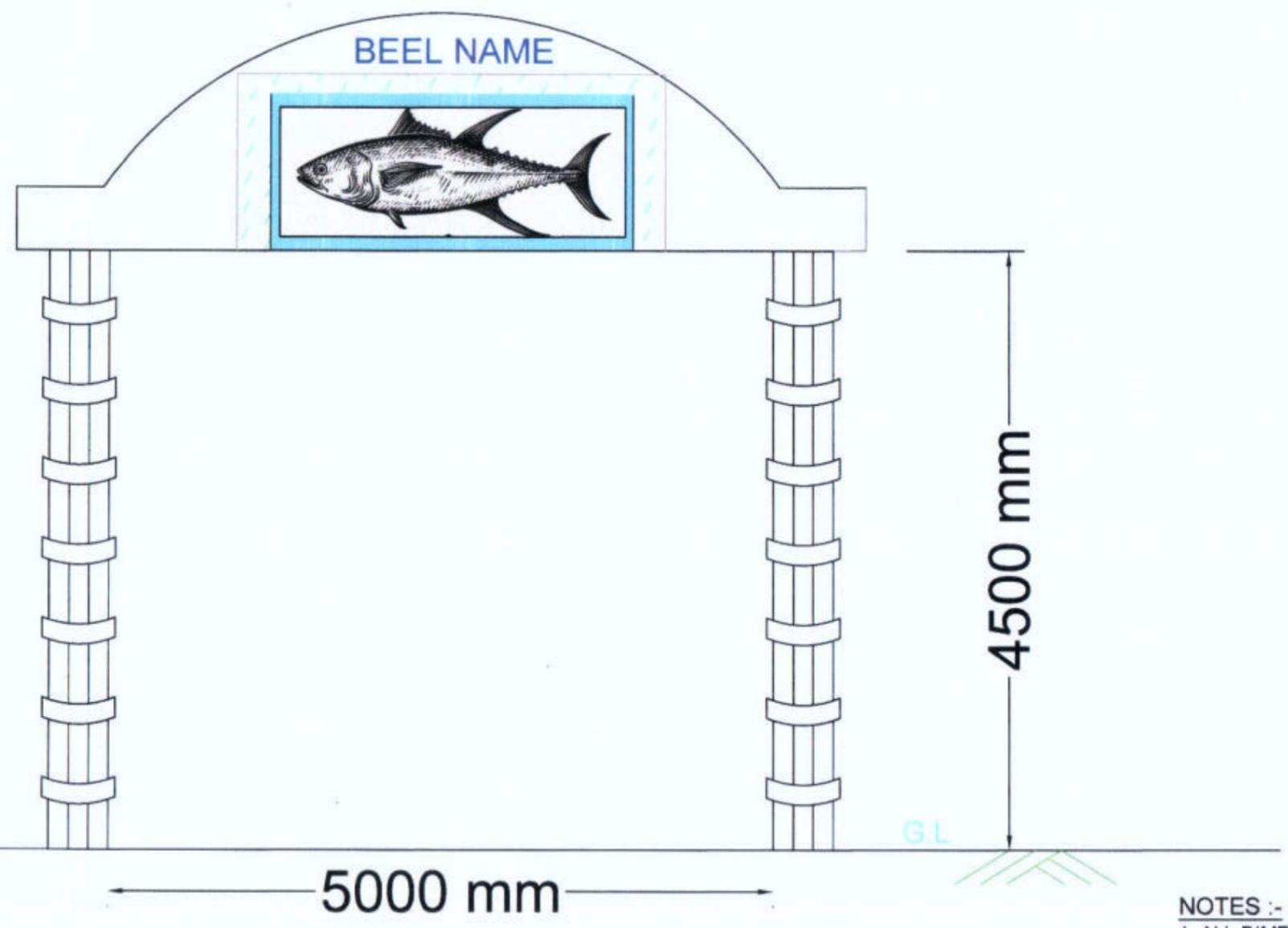
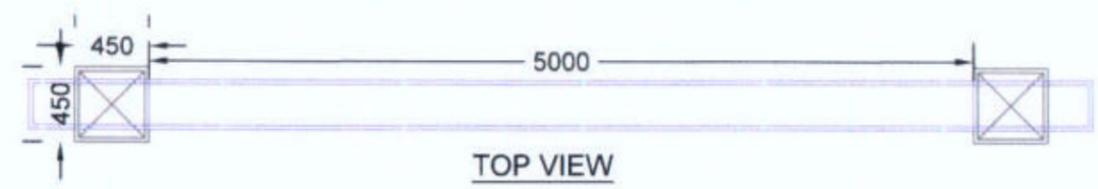
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DRAWING :
PLAN & CS OF FENCING WITH IRON GATE

DRAWING No. :
ASSAM/SWIFT/GR-190SD/10

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**ELEVATION
ENTRY GATE**

- 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 .

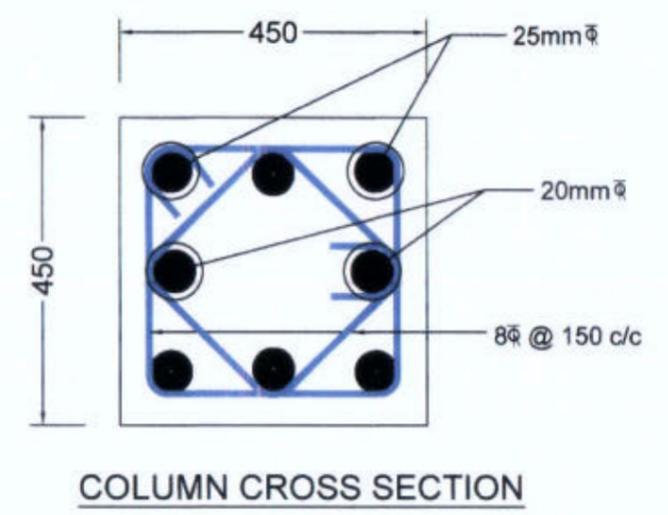
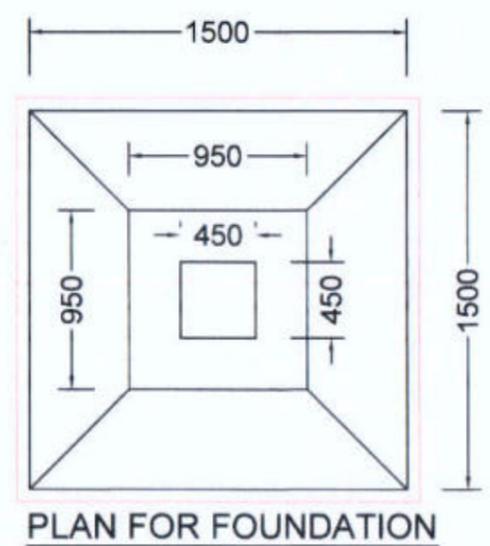
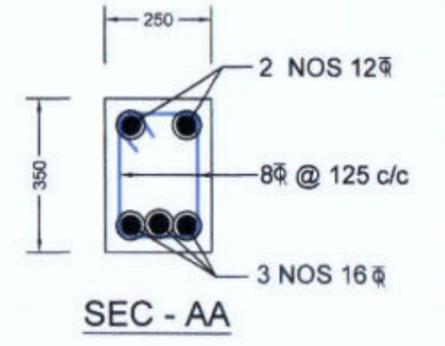
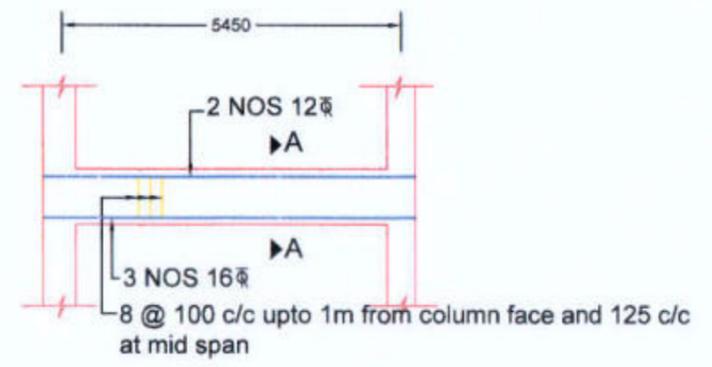
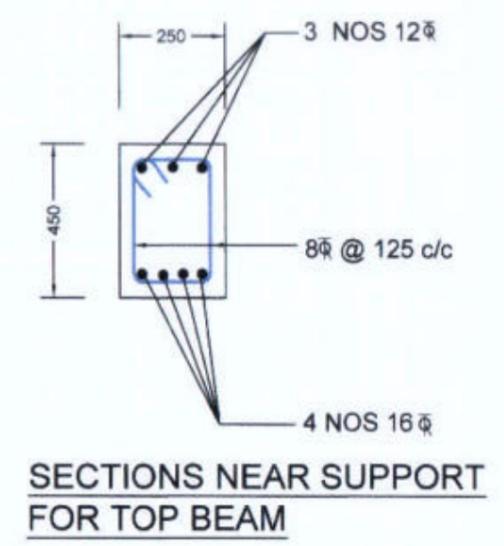
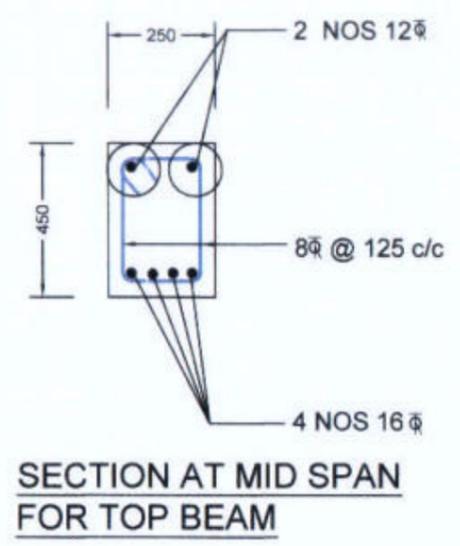
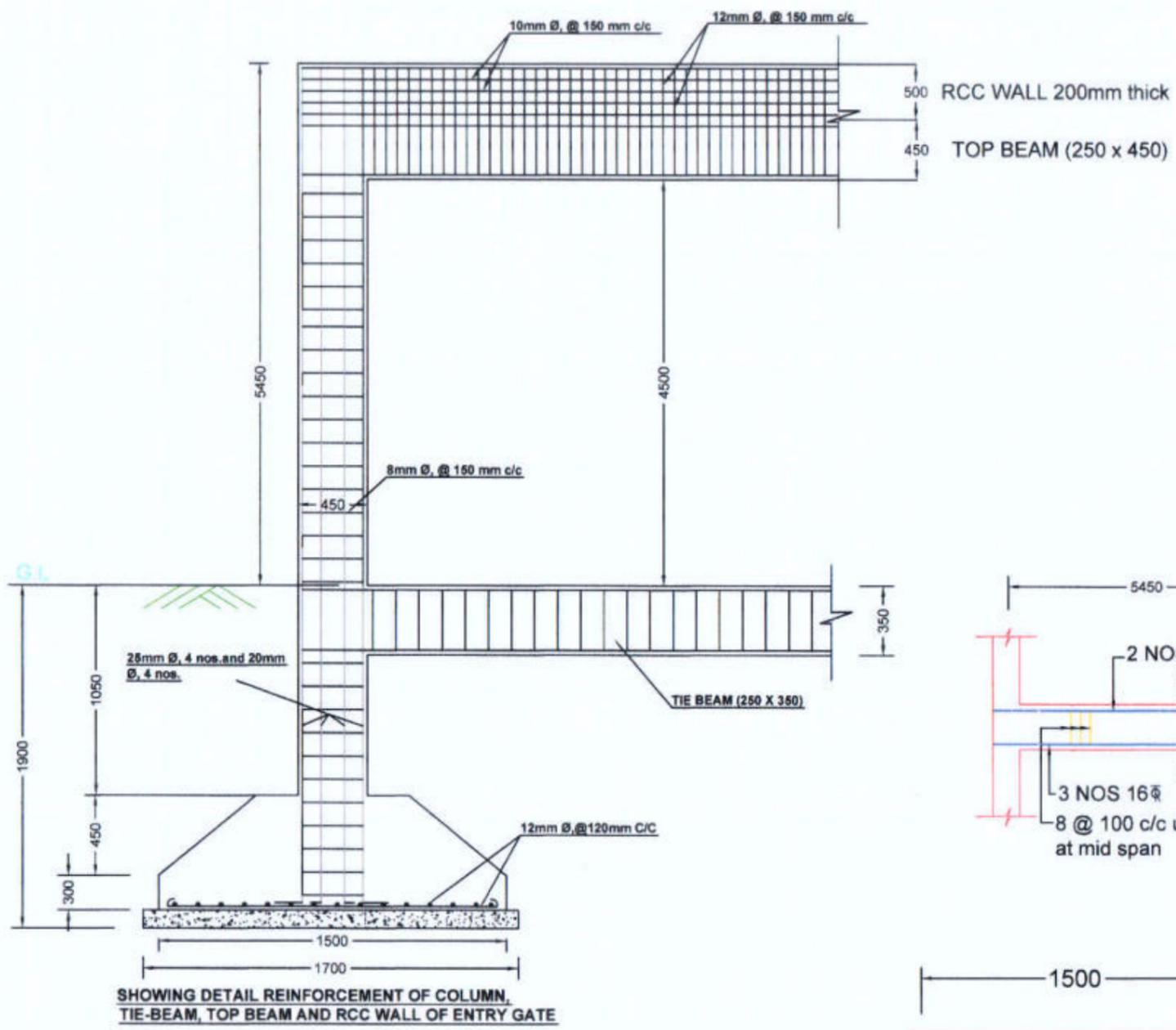
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 email: basicconsultantghy@gmail.com
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 N, HAIBARGACH, M. D. ROAD

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

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

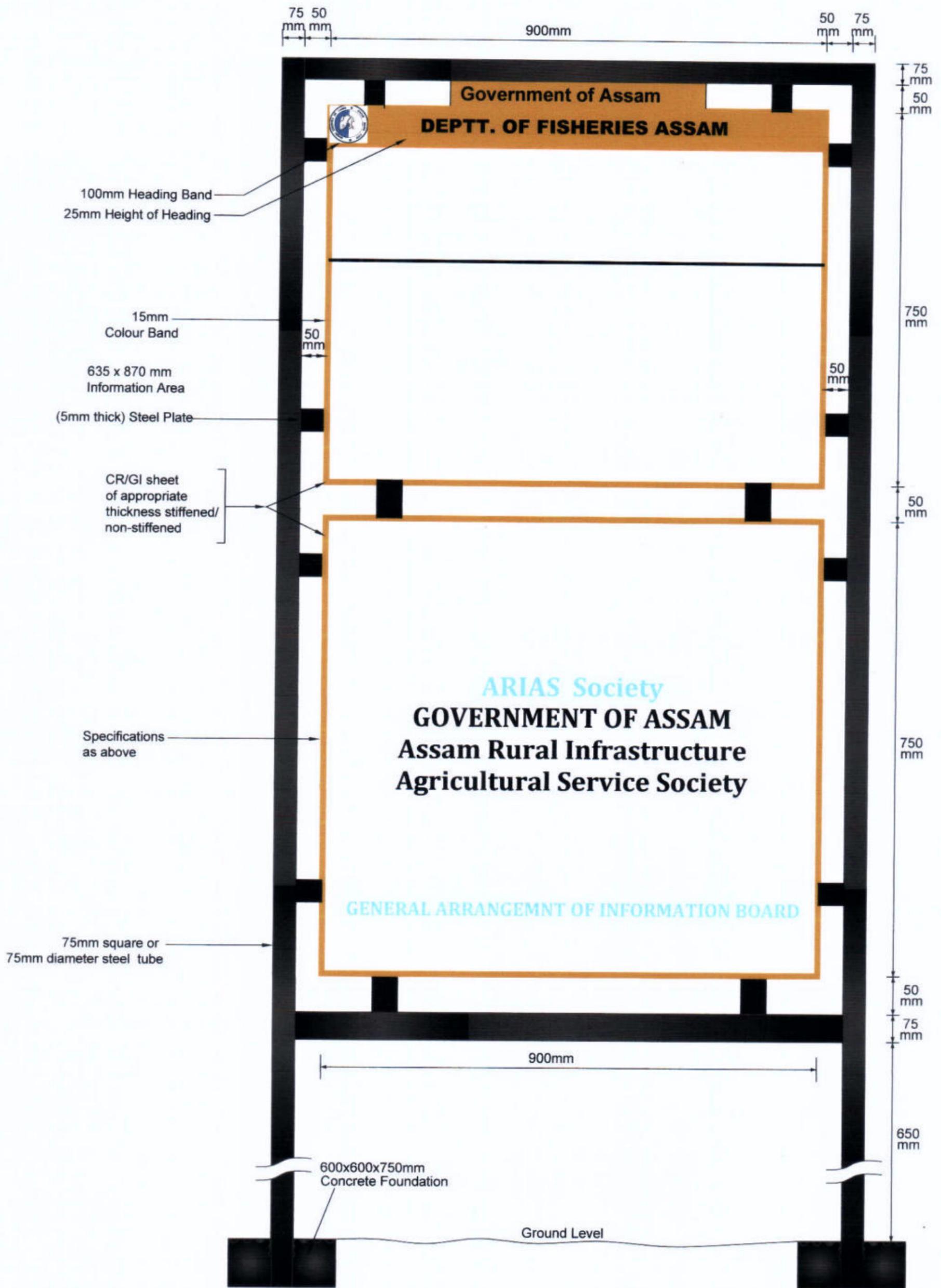
NOT TO SCALE

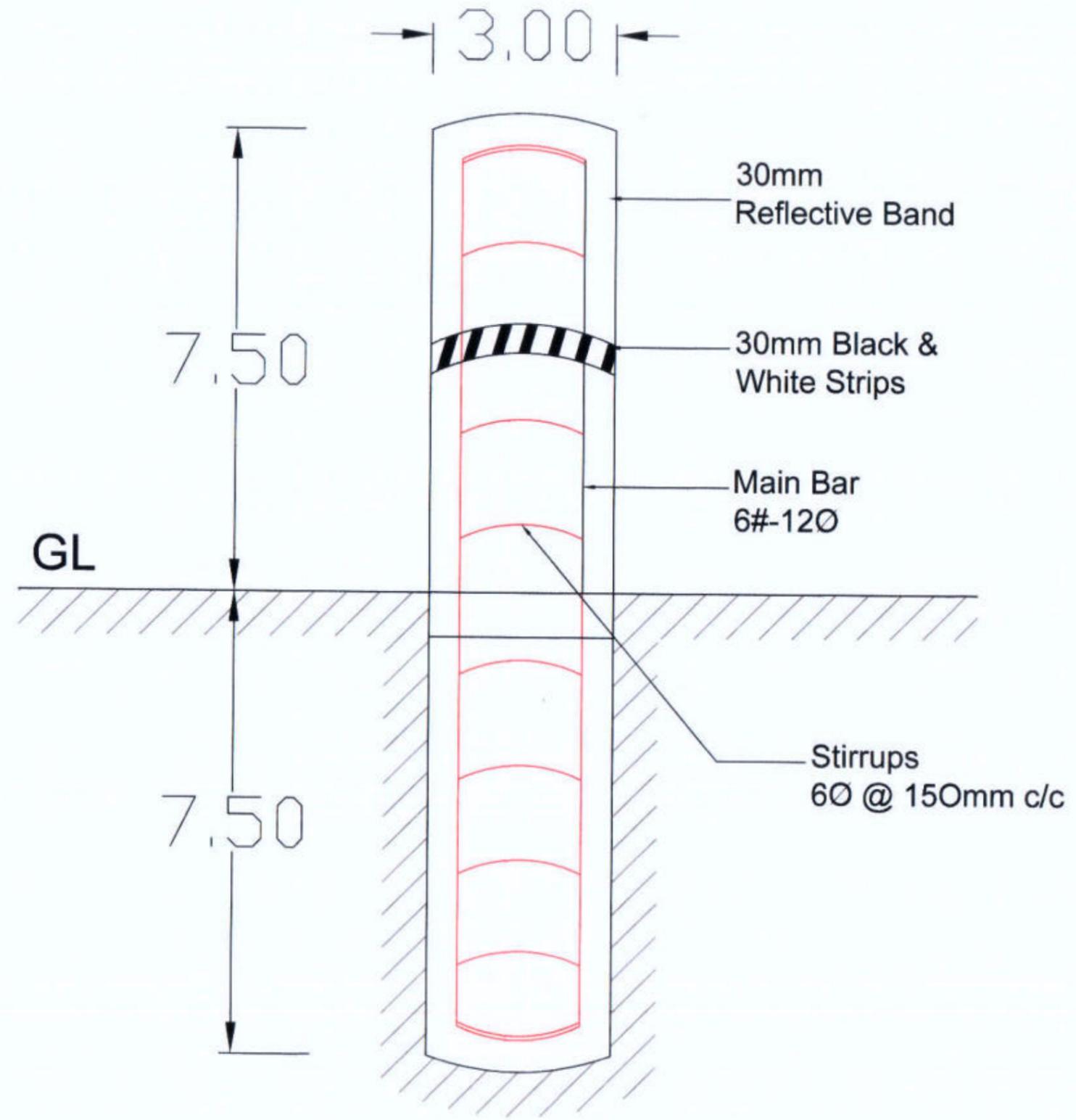
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- NOTES :-**
1. ALL DIMENSIONS ARE IN mm, UNLESS OTHERWISE MENTIONED.
 2. MINIMUM GRADE OF CONCRETE TO BE USED M20
 3. MINIMUM GRADE OF REINFORCEMENT TO BE USED Fe 500
 4. CLEAR COVER TO OUTER MOST REINFORCEMENT SHALL BE AS UNDER:-
FOR COLUMN : 40mm.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

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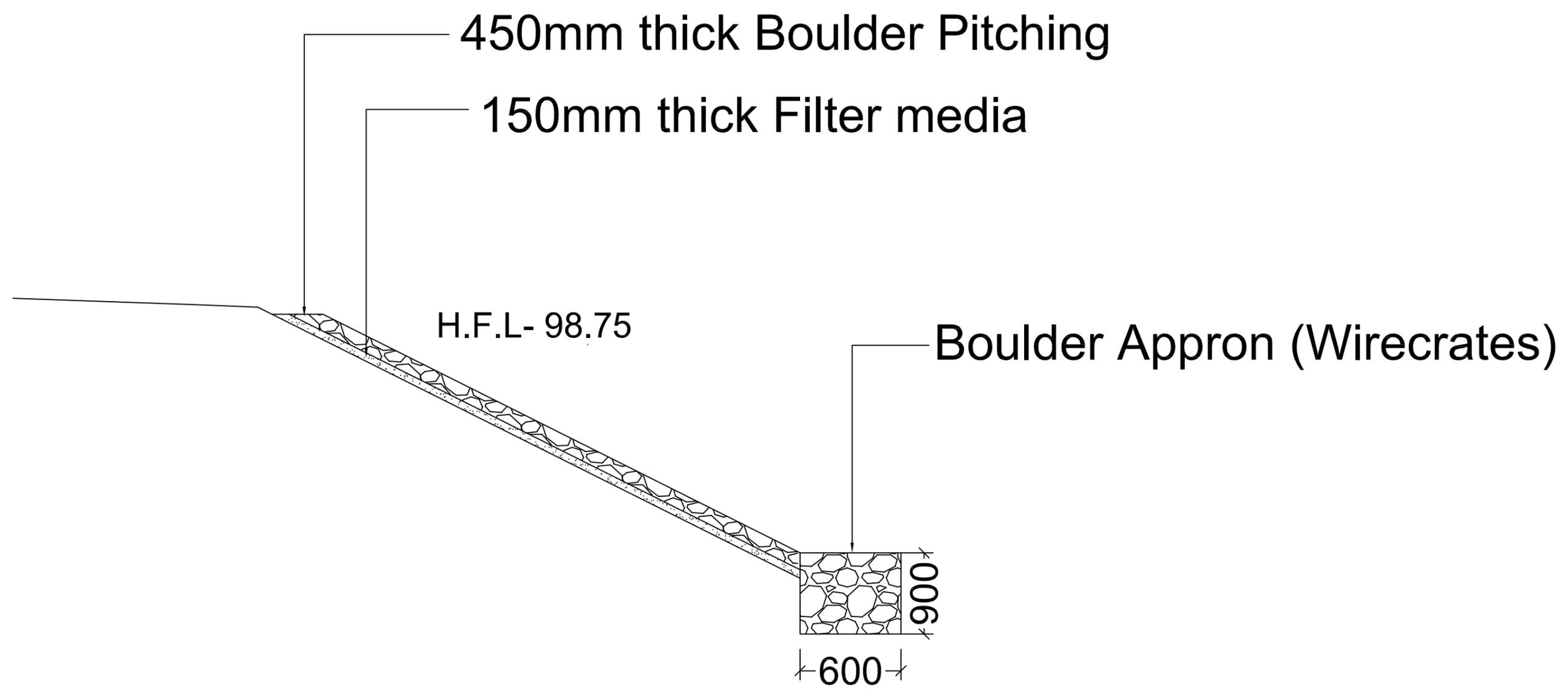
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DRAWING :
 GENERAL ARRANGEMNT OF DEMARCATIION
 PILLAR

DRAWING No. :
 ASSAM/SWIFT/GR-07/SD/13

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DRAWING :

SLOPE PROTECTION

DRAWING No. :

ASSAM/SWIFT/GR-0736SD/13

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