

MASTERPLAN LAYOUT OF MORAKOLLONG BEEL

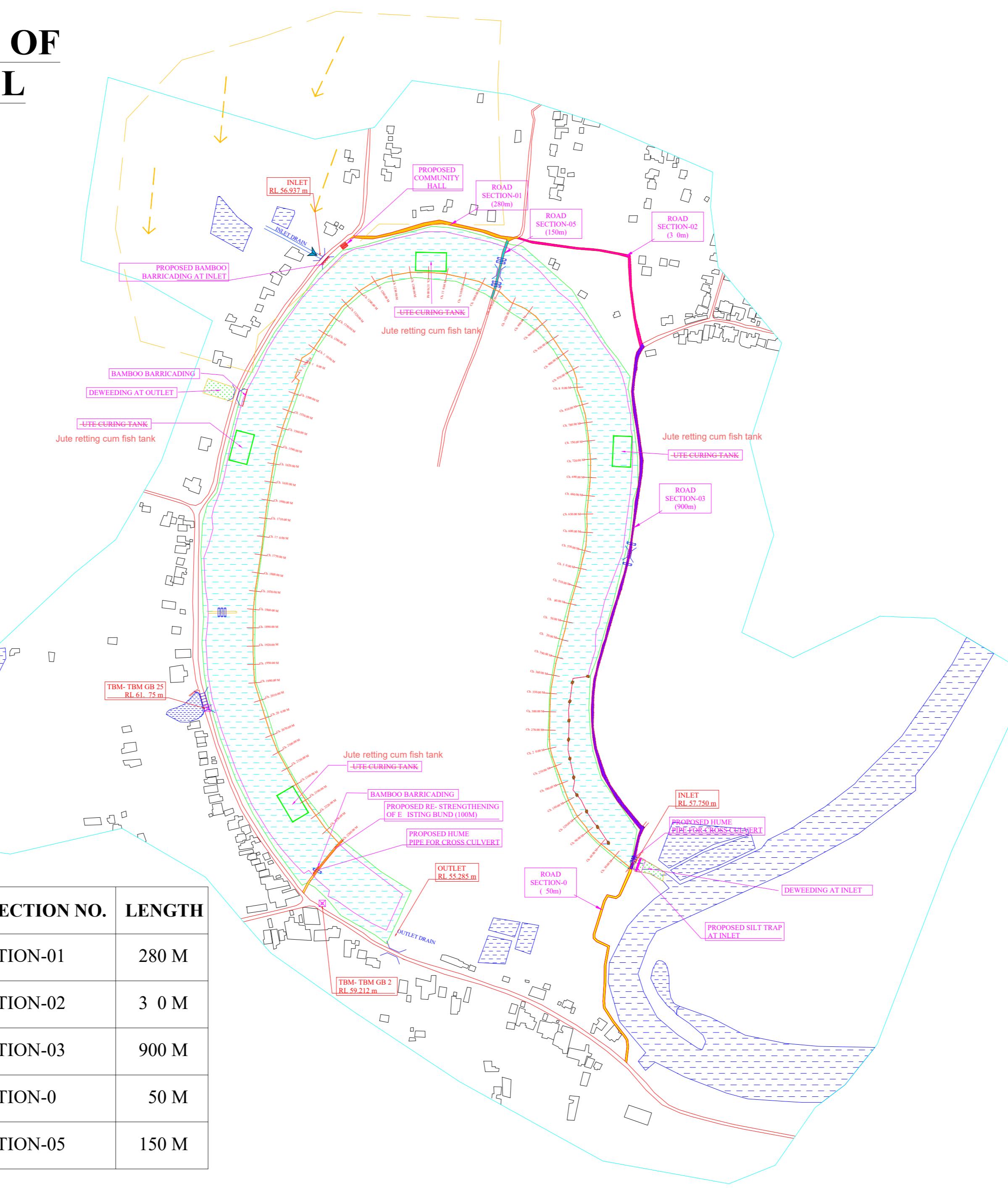
PROPOSED WORKS	
DESCRIPTION OF WORK	SPECIFICATION
Silt Trap	2 m
Bamboo Barrage at Outlet	15 m (2 Nos.)
Earthen Bund	2280 m
Desilting	118821 Cum
Deweeding	10 578 Sqm
Jute Retting Tank Jute retting cum fish tank	Nos. (100 m 50 m)
Community Hall	1 Nos
Road Upgradation	2120 m
Demarcation Pillar	11 Nos
Hume Pipe Culvert (1200mm) Inlet, Intermediate & Outlet points	9 Nos
Hume Pipe Culvert (600mm) 300mm interval in Peripheral Bund	8 Nos
Solar Street Light	55 Nos

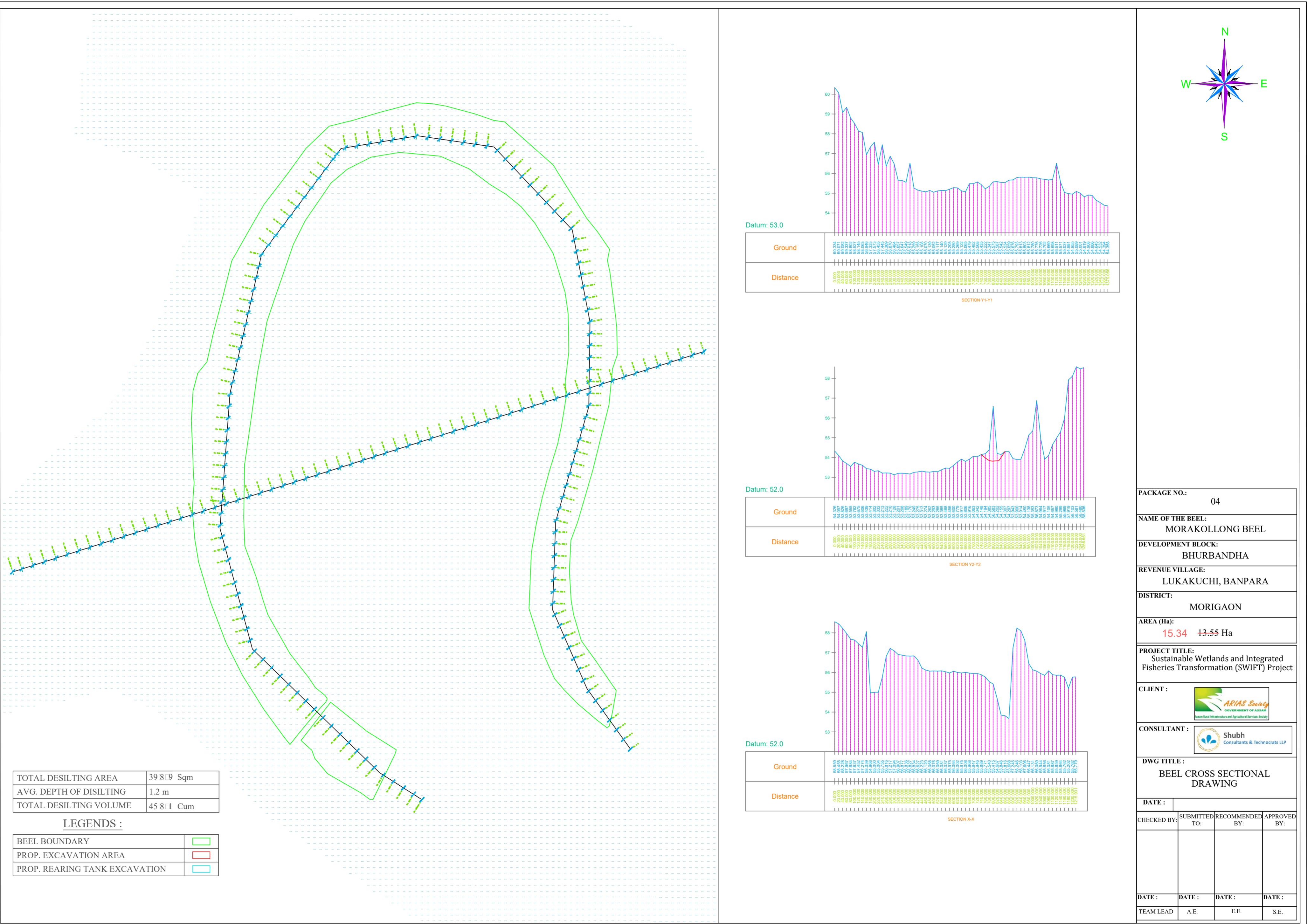
LEGENDS :

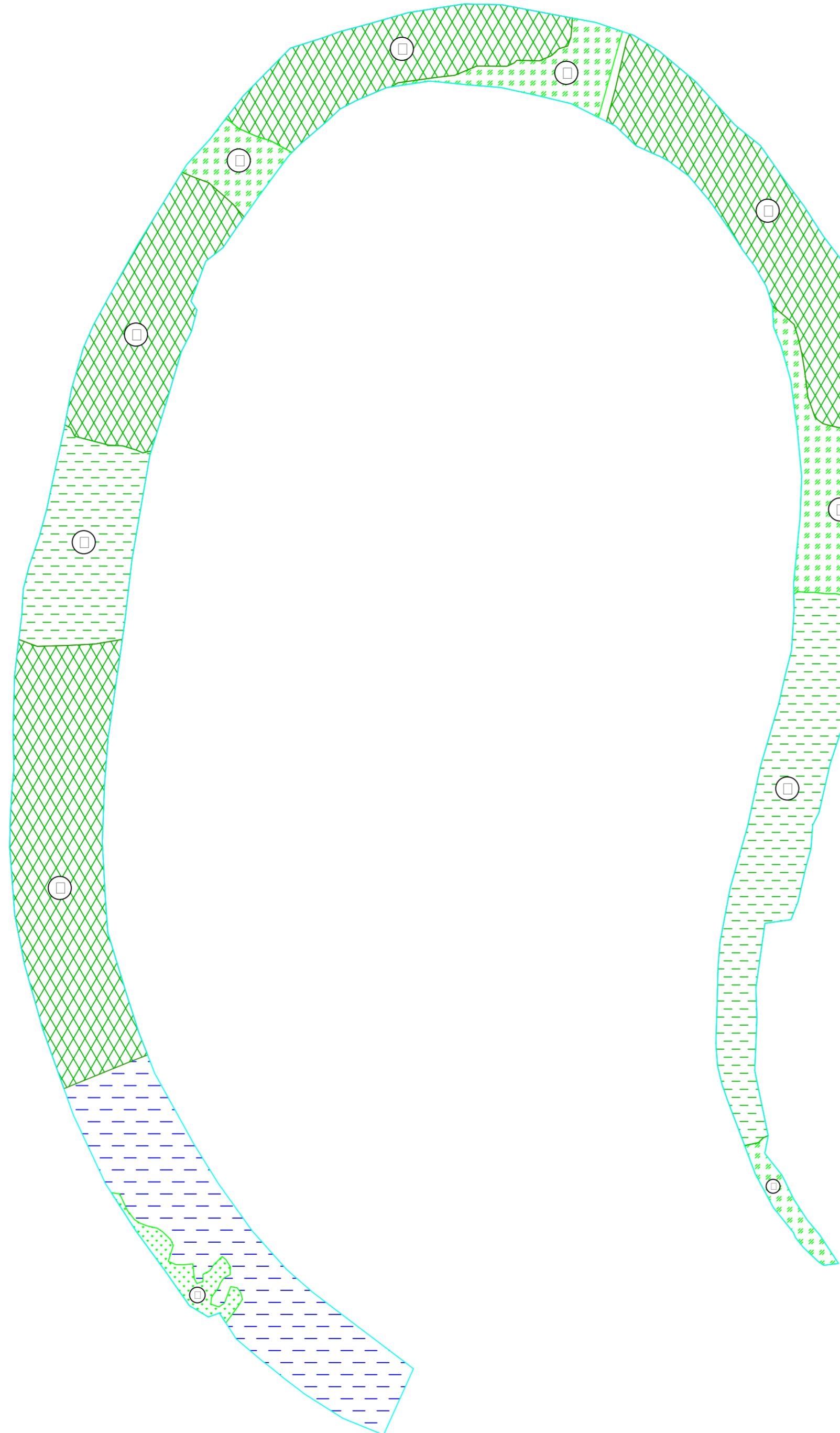
BOUNDARY	
ROAD	
RAILWAY	
BENCH MARK	
CULVERT	
BRIDGE	
RIVER/ STREAM/ POND	
BEEL	
DEMARCATION OF BEEL AS PER RECORDS	
VEGETATION / MARSHY AREAS	
DEMARCATION PILLAR	
CATCHMENT AREA	
PROP. BUND	
PROP. SILT TRAP AT INLET	
PROP. BAMBOO BARRAGE	
PROP. ROAD	
PROP. UTE CURING TANK	
PROP. COMMUNITY HALL	
PROP. PIPE CULVERT	

ROAD SECTION NO.	LENGTH
SECTION-01	280 M
SECTION-02	3 0 M
SECTION-03	900 M
SECTION-0	50 M
SECTION-05	150 M

Note: Road Section-04 may be constructed subjected to approval from concerned authorities as per the ADB norms.





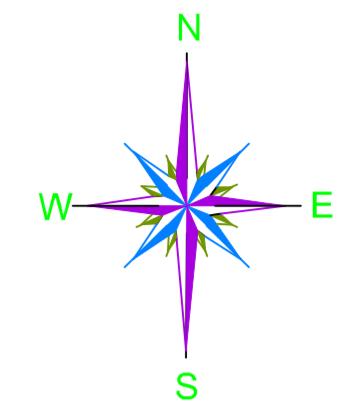


AREA DETAILS

SYMBOL	DESCRIPTION	AREA (Sq. m)
(A)	Thin and floating water hyacinths and other aquatic weeds etc.	0.00
(B)	Thick and floating water hyacinths and other aquatic weeds etc.	21200
(C)	Thick and floating Taranies, Dalanies, Pitaniess and other marginal aquatic weeds etc. upto a depth of 50 cm.	19533.00
(D)	Medium and floating Taraniess, Dalanies, Pitaniess and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	4583.00
(E)	Heavy and floating Taranies, Dalanies, Pitaniess and other marginal aquatic weeds etc. upto a depth of 80 cm to 120 cm	319100

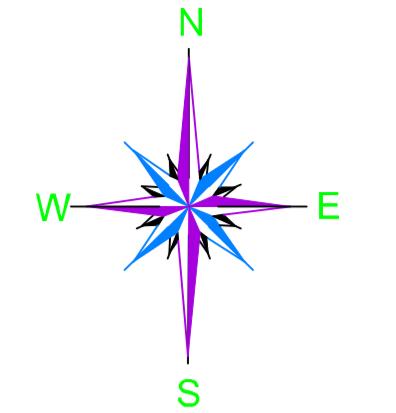
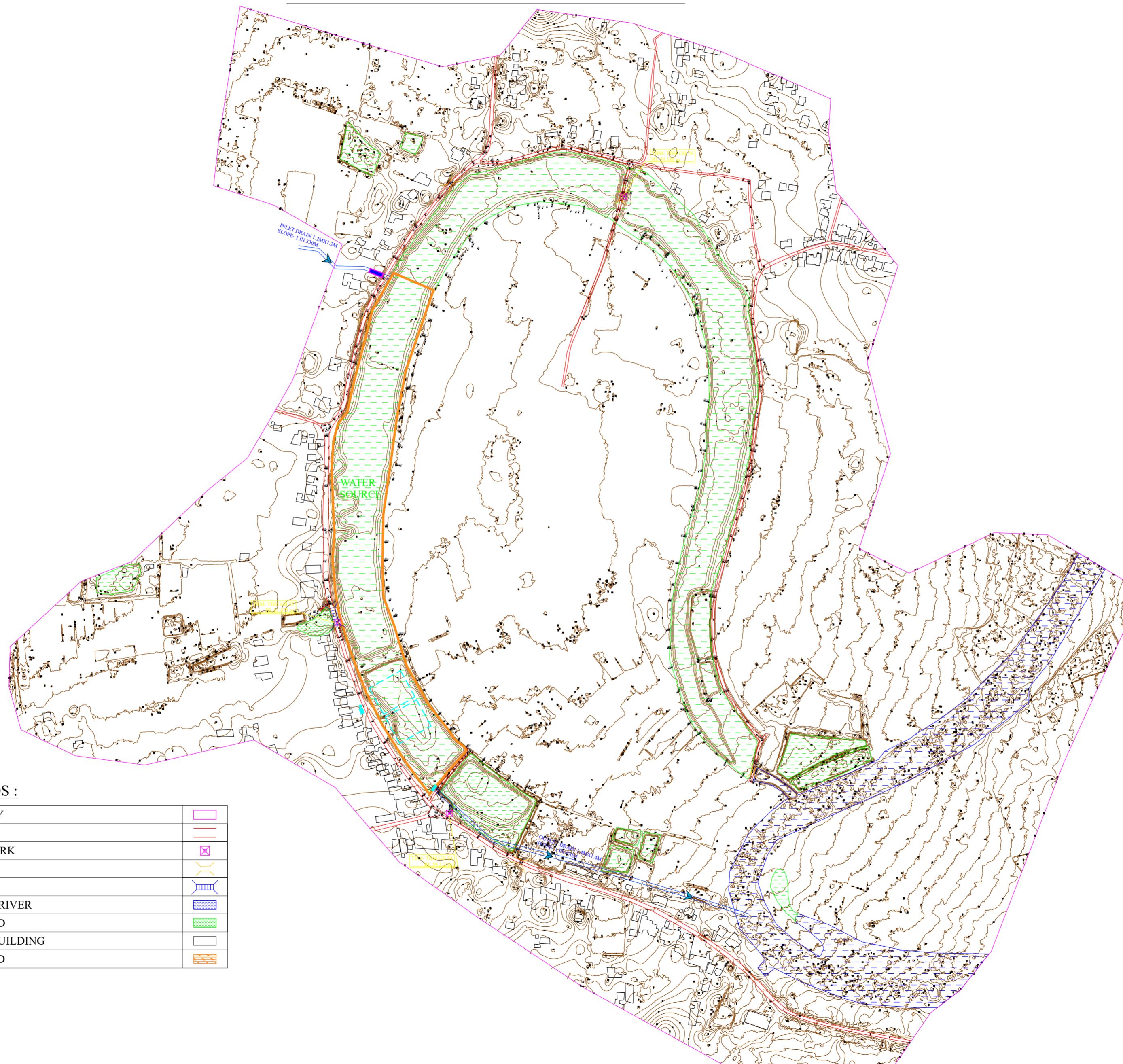
LEGENDS :

BEEL BOUNDARY	
WATER AREA	
THIN AND FLOATING WATER HYACINTHS AND OTHER AQUATIC WEEDS ETC.	
THICK AND FLOATING WATER HYACINTHS AND OTHER AQUATIC WEEDS ETC.	
THICK AND FLOATING TARANIES, DALANIES, PITANIESS AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm.	
MEDIUM AND FLOATING TARANIES, DALANIES, PITANIESS AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm to 80 cm.	
HEAVY AND FLOATING TARANIES, DALANIES, PITANIESS AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 80 cm to 120 cm.	



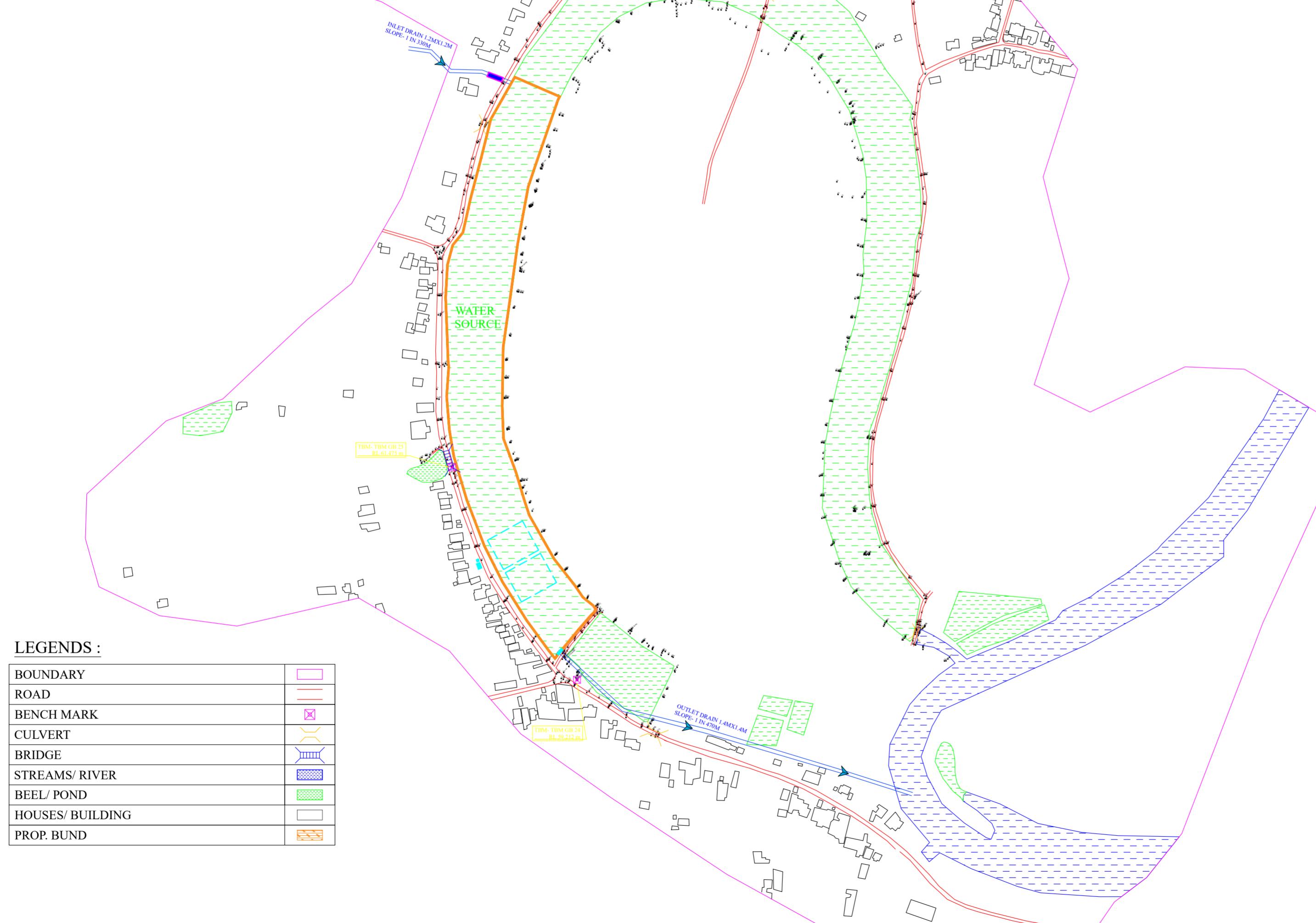
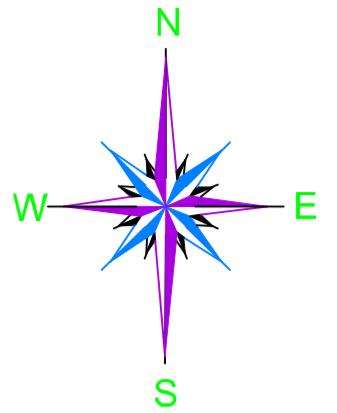
PACKAGE NO.:	04
NAME OF THE BEEL:	MORAKOLLONG BEEL
DEVELOPMENT BLOCK:	BHURBANDHA
REVENUE VILLAGE:	LUKAKUCHI & BANPARA
DISTRICT:	MORIGAON
AREA (Ha):	15.34 13.55 Ha
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project
CLIENT :	
CONSULTANT :	
DWG TITLE :	DEWEEDING DRAWING OF MORAKOLLONG BEEL
DATE :	
CHECKED BY:	SUBMITTED TO: RECOMMENDED BY: APPROVED BY:
DATE :	DATE : DATE : DATE :
TEAM LEAD	A.E. E.E. S.E.

CONTOUR MAP WITH BATHYMETRIC LEVELS OF MORAKOLLONG BEEL



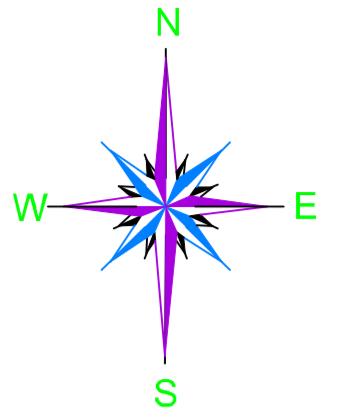
PACKAGE NO.:	04
NAME OF THE BEEL:	MORAKOLLONG BEEL
DEVELOPMENT BLOCK:	BHURBANDHA
REVENUE VILLAGE:	LUKAKUCHI & BANPARA
DISTRICT:	MORIGAON
AREA (Ha):	15.34 13.55 Ha
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project
CLIENT :	 ARIAS Society GOVERNMENT OF ASSAM Assam Rural Infrastructure and Agricultural Services Society
CONSULTANT :	 Shubh Consultants & Technocrats LLP
DWG TITLE :	CONTOUR MAP WITH BATHYMETRIC LEVELS OF MORAKOLLONG BEEL
DATE :	
CHECKED BY:	SUBMITTED TO: RECOMMENDED BY: APPROVED BY:
DATE :	
TEAM LEAD	A.E. E.E. S.E.

DGPS SURVEY LAYOUT MAP OF MORAKOLLONG BEEL



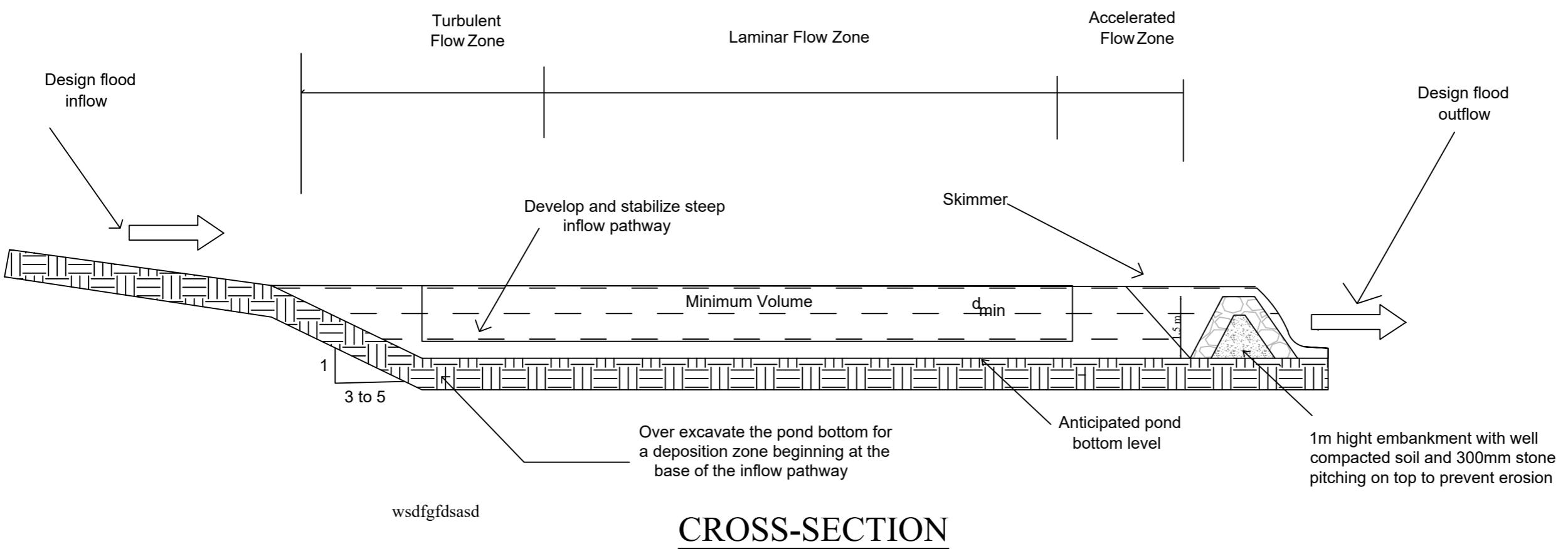
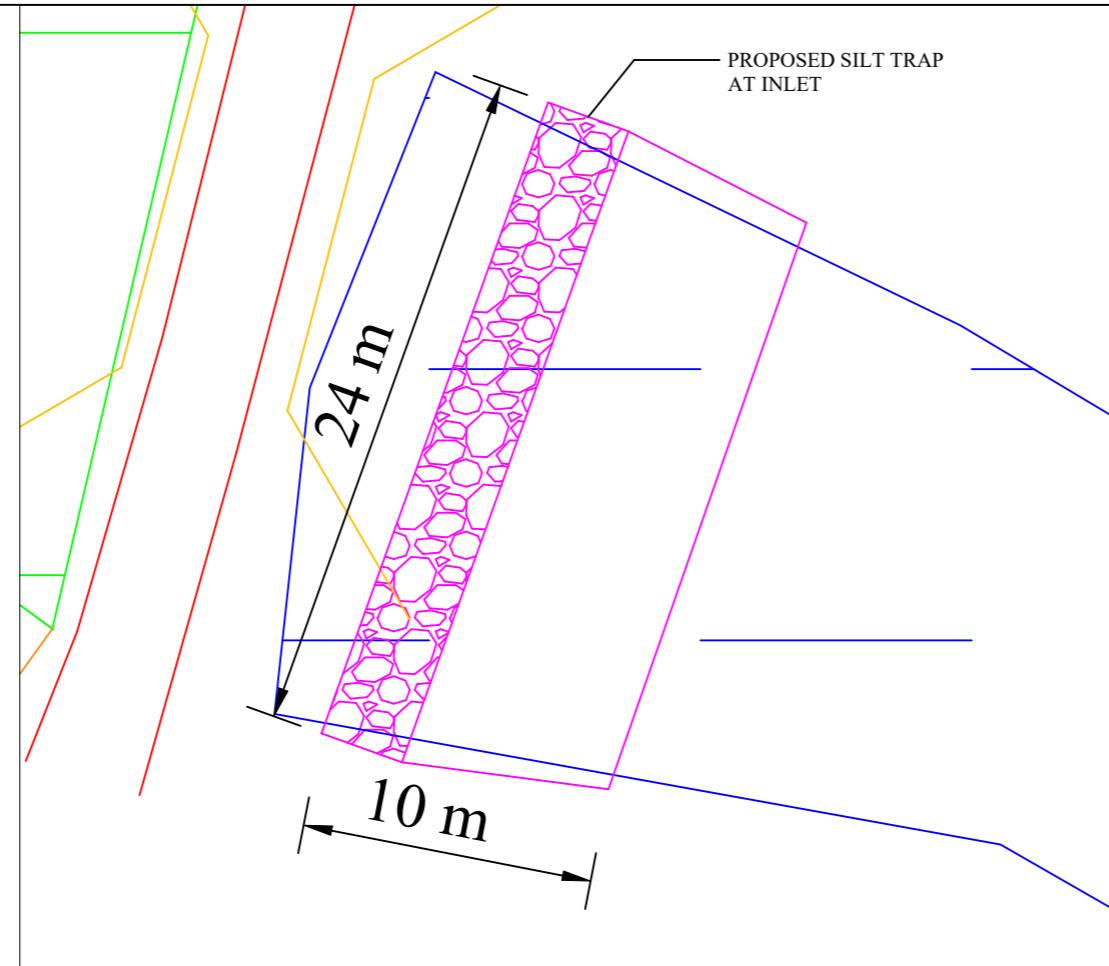
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NAME OF THE BEEL:	MORAKOLLONG BEEL
DEVELOPMENT BLOCK:	BHURBANDHA
REVENUE VILLAGE:	LUKAKUCHI & BANPARA
DISTRICT:	MORIGAON
AREA (Ha):	15.34 13.55 Ha
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project
CLIENT :	 GOVERNMENT OF ASSAM Assam Rural Infrastructure and Agricultural Services Society
CONSULTANT :	 Shubh Consultants & Technocrats LLP
DWG TITLE :	DGPS SURVEY LAYOUT MAP OF MORAKOLLONG BEEL
DATE :	
CHECKED BY:	SUBMITTED TO: RECOMMENDED BY: APPROVED BY:
DATE :	
TEAM LEAD	A.E. E.E. S.E.

DRONE SURVEY MAP OF MORAKOLLONG BEEL

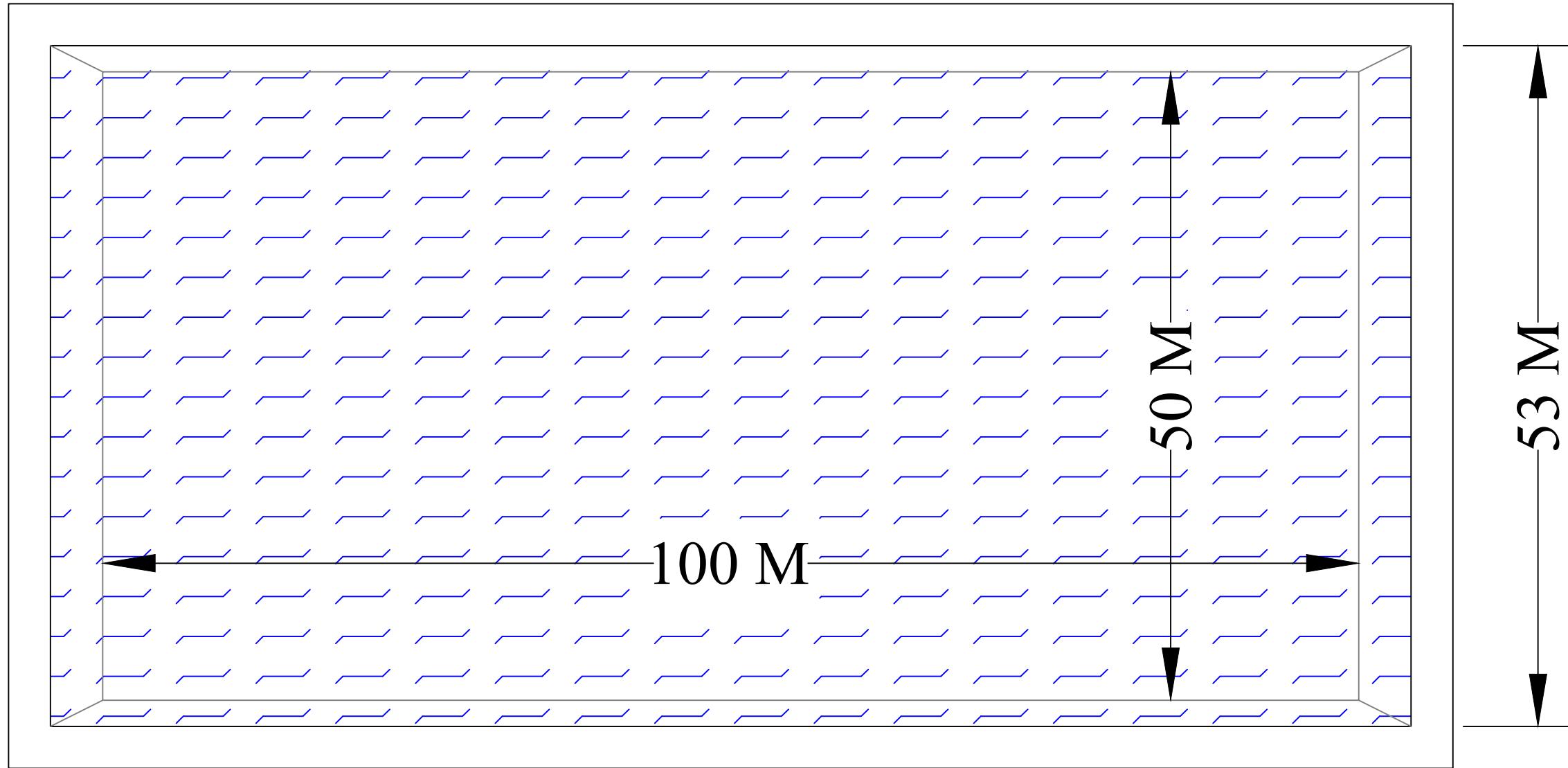


PACKAGE NO.:	04		
NAME OF THE BEEL:	MORAKOLLONG BEEL		
DEVELOPMENT BLOCK:	BHURBANDHA		
REVENUE VILLAGE:	LUKAKUCHI & BANPARA		
DISTRICT:	MORIGAON		
AREA (Ha):	15.34 13.55 Ha		
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project		
CLIENT :	 ARIAAS Society GOVERNMENT OF ASSAM Assam Rural Infrastructure and Agricultural Services Society		
CONSULTANT :	 Shubh Consultants & Technocrats LLP		
DWG TITLE :	DRONE SURVEY MAP OF MORAKOLLONG BEEL		
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

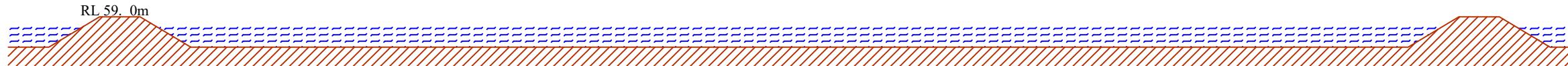
PLAN



TYPICAL PLAN & SECTION OF JUTE RETTING TANK



PLAN



SECTION

SCALE: NOT TO SCALE

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



CONSULTANT :
Shubh
Consultants & Technocrats LLP

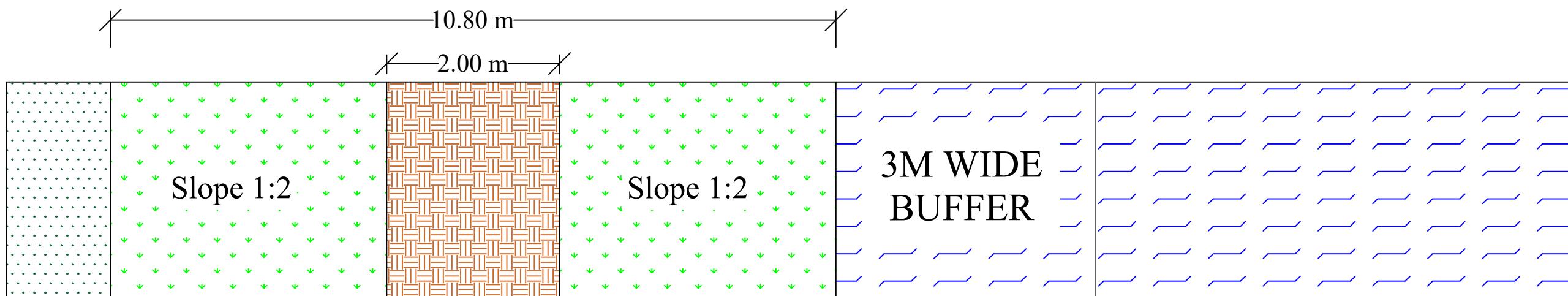
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TYPICAL PLAN & SECTION OF
JUTE RETTING TANK OF 5000 S M

DATE :

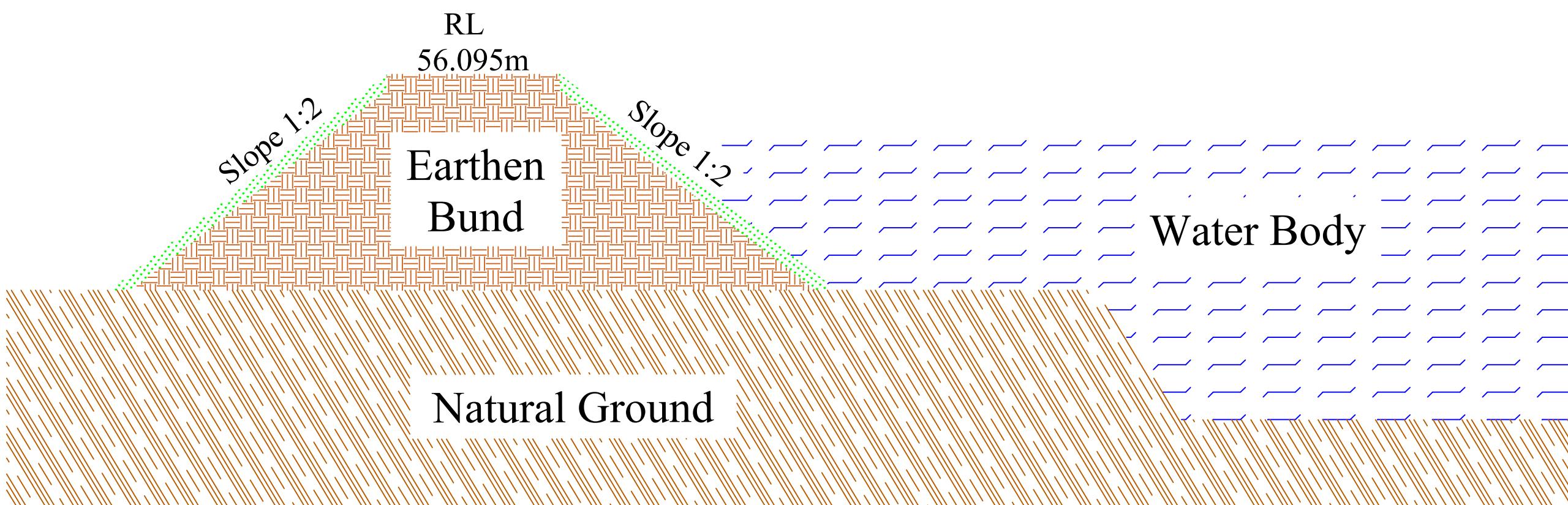
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DATE : DATE : DATE : DATE :

TEAM LEAD A.E. E.E. S.E.



PLAN



SCALE: NOT TO SCALE

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

CLIENT :
 ARIAS Society
Government of Assam
Assam Rural Infrastructure and Agricultural Services Society

CONSULTANT :
 Shubh
Consultants & Technocrats LLP

DWG TITLE :
TYPICAL PLAN & CROSS-SECTION
OF EARTHEN BUND

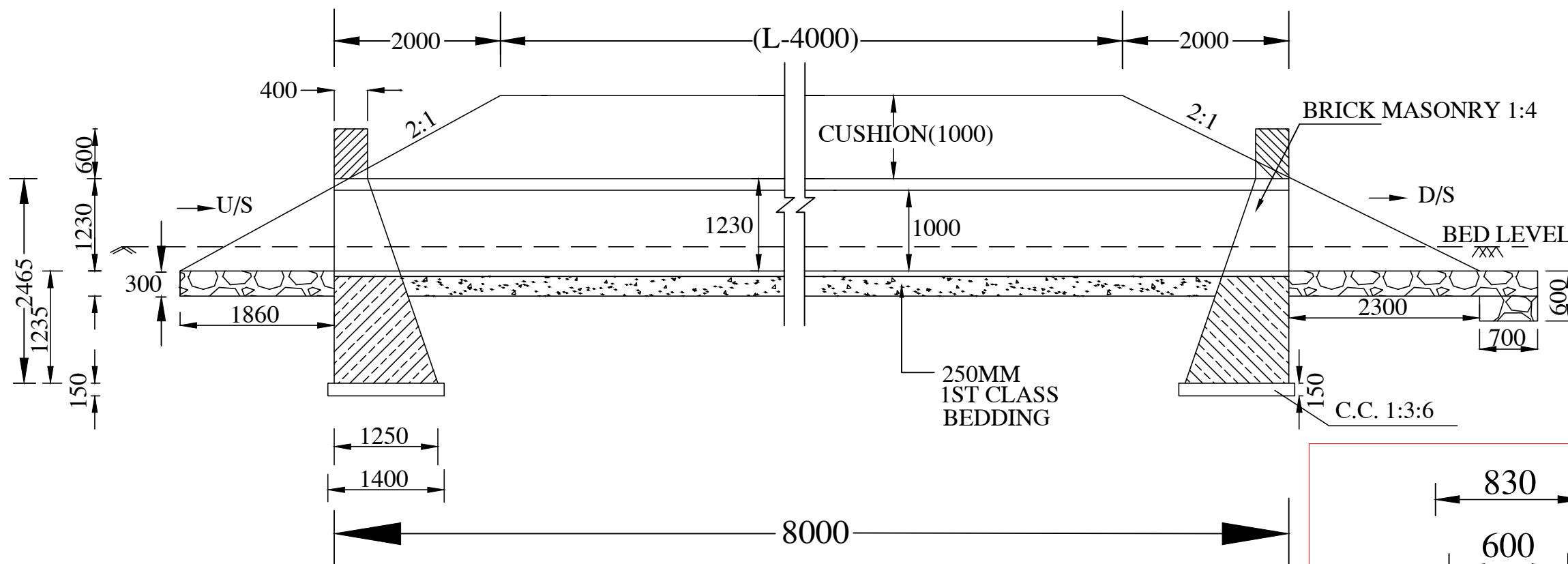
DATE :

CHECKED BY: SUBMITTED TO: RECOMMENDED BY: APPROVED BY:

DATE : DATE : DATE : DATE :

TEAM LEAD A.E. E.E. S.E.

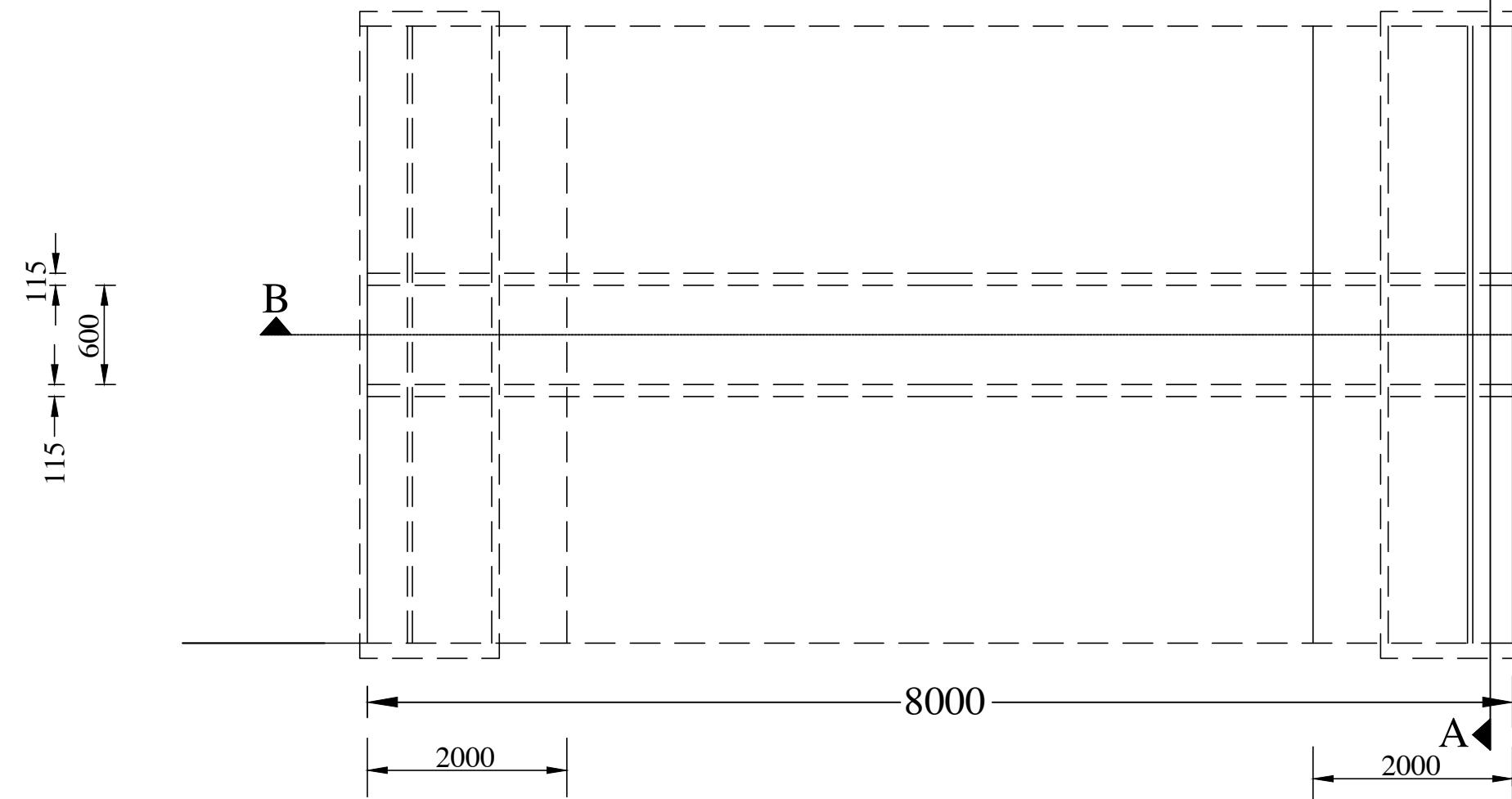
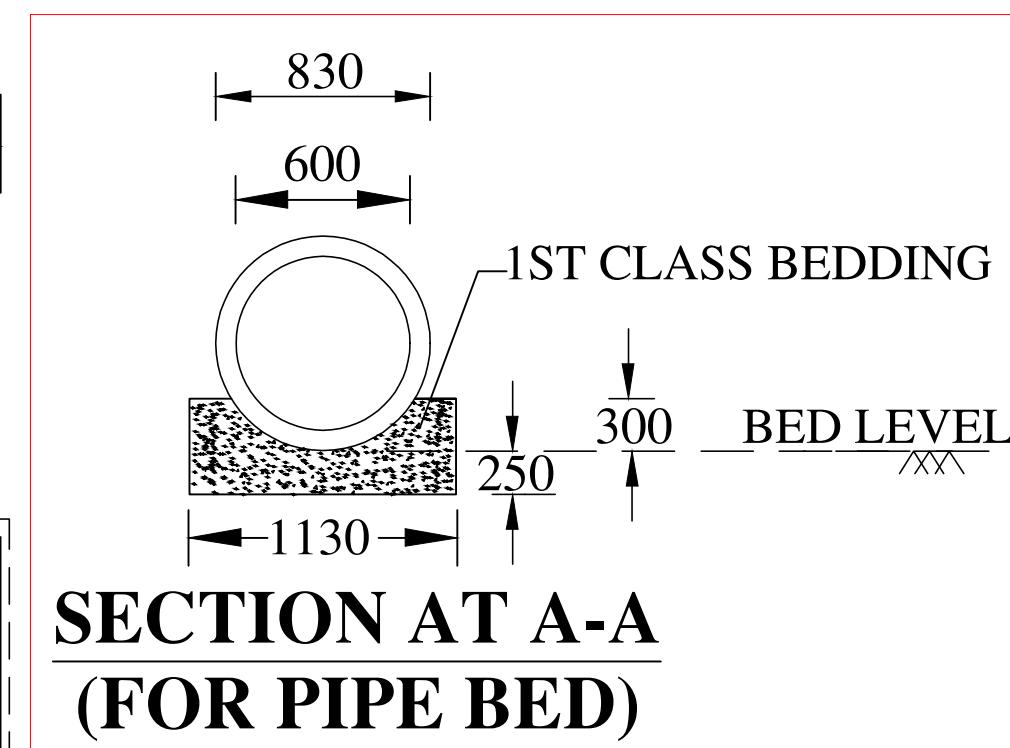
CROSS - SECTION



NOTES:-

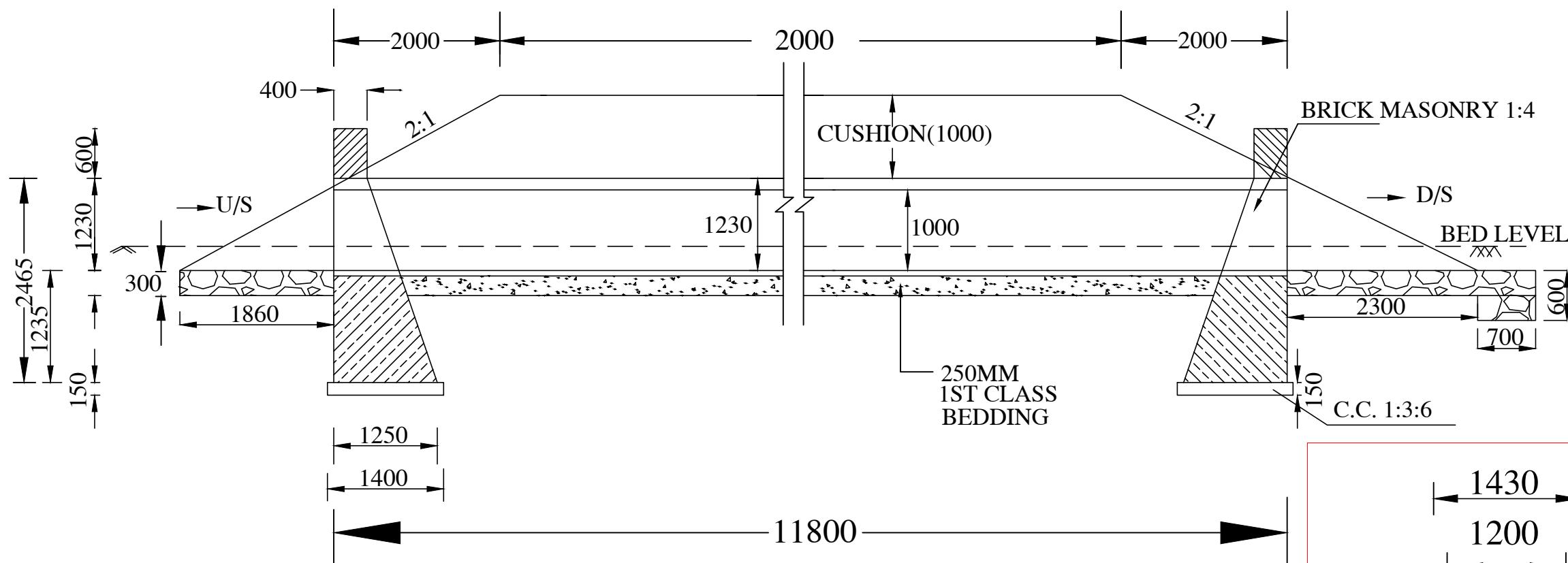
1. ALL DIMENSIONS ARE IN mm UNTIL & UNLESS STATED.
2. THE PIPES SHALL BE RCC NP.3 THE SPECIFICATIONS OF PIPES SHALL BE AS PER IS:458 OF 1988
3. MINIMUM CUSHION ABOVE PIPE INCLUDING ROAD CRUST SHALL BE 1.0M

SECTION AT B-B

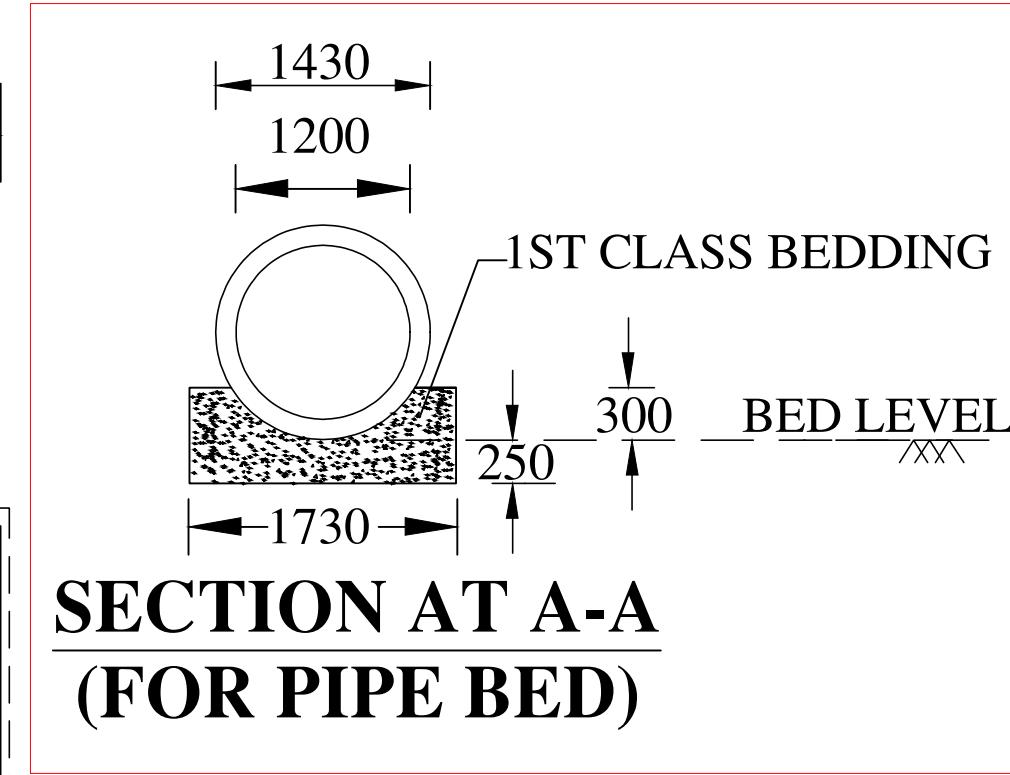
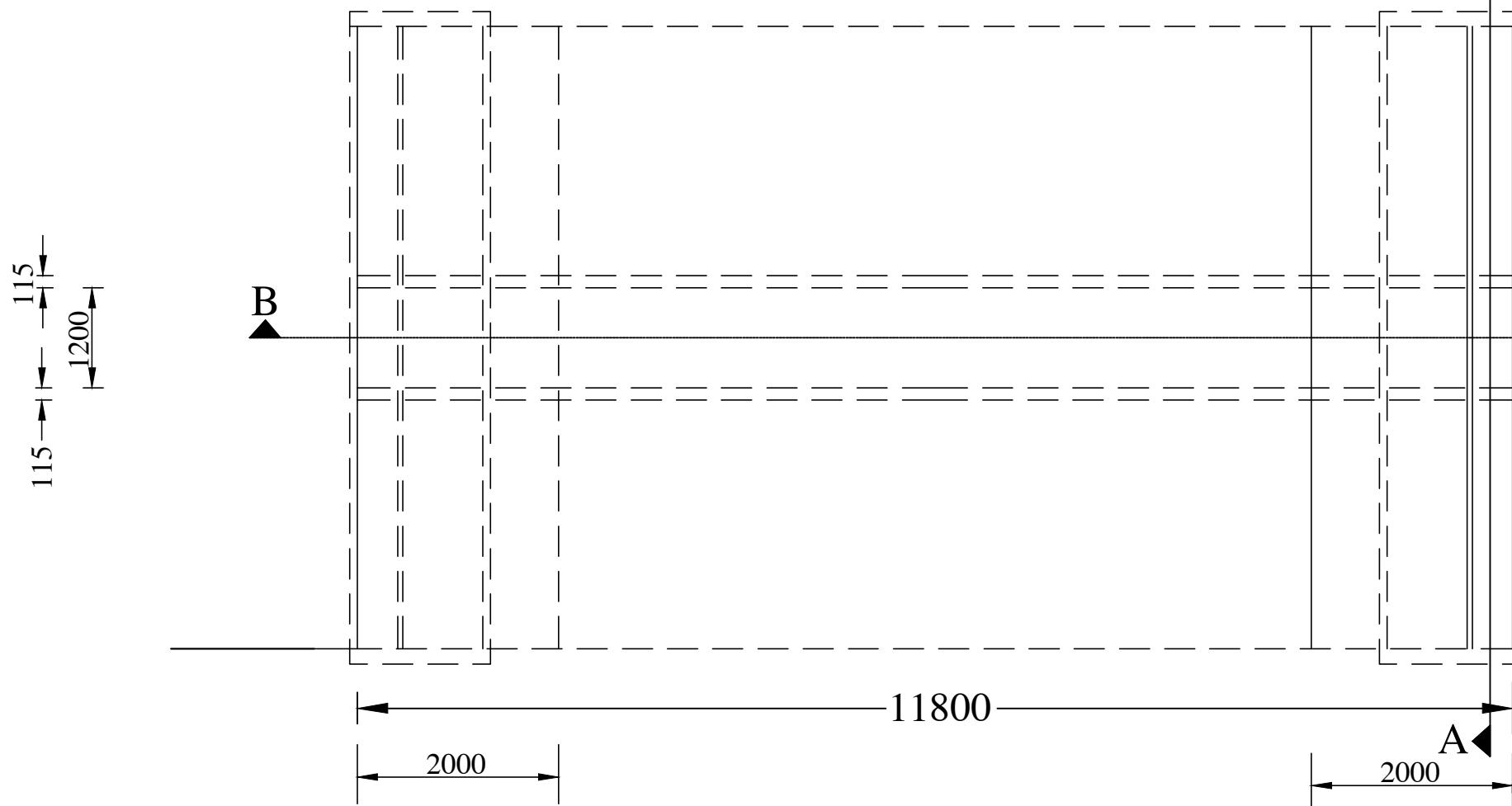


SCALE: NOT TO SCALE

PROJECT TITLE:					
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project					
CLIENT :		 ARIAS Society <small>GOVERNMENT OF ASSAM</small> <small>Assam Rural Infrastructure and Agricultural Services Society</small>			
CONSULTANT :		 Shubh <small>Consultants & Technocrats LLP</small>			
DWG TITLE :					
STANDARD DRAWING RCC PIPE CULVERT WITH SINGLE PIPE 600MM DIA, NP-3					
DATE :					
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:		
DATE :	DATE :	DATE :	DATE :		
TEAM LEAD	A.E.	E.E.	S.E.		

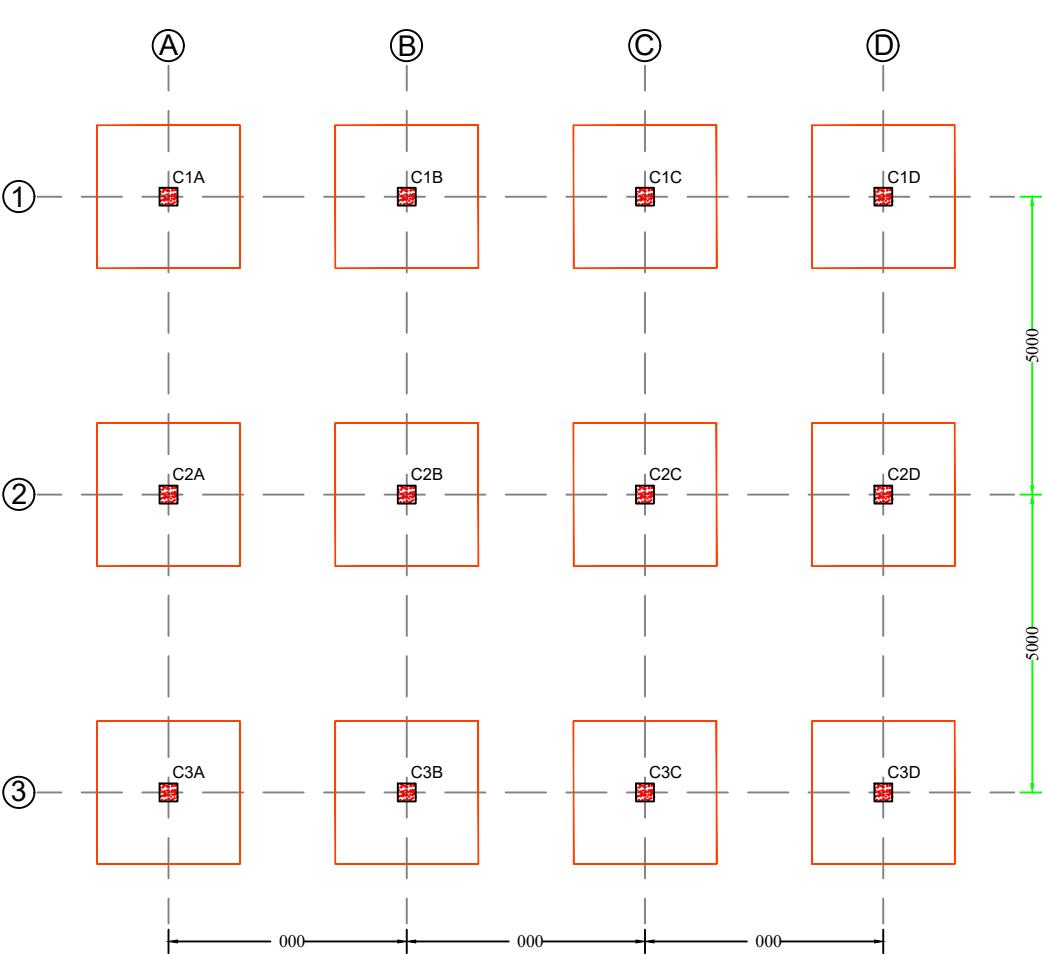
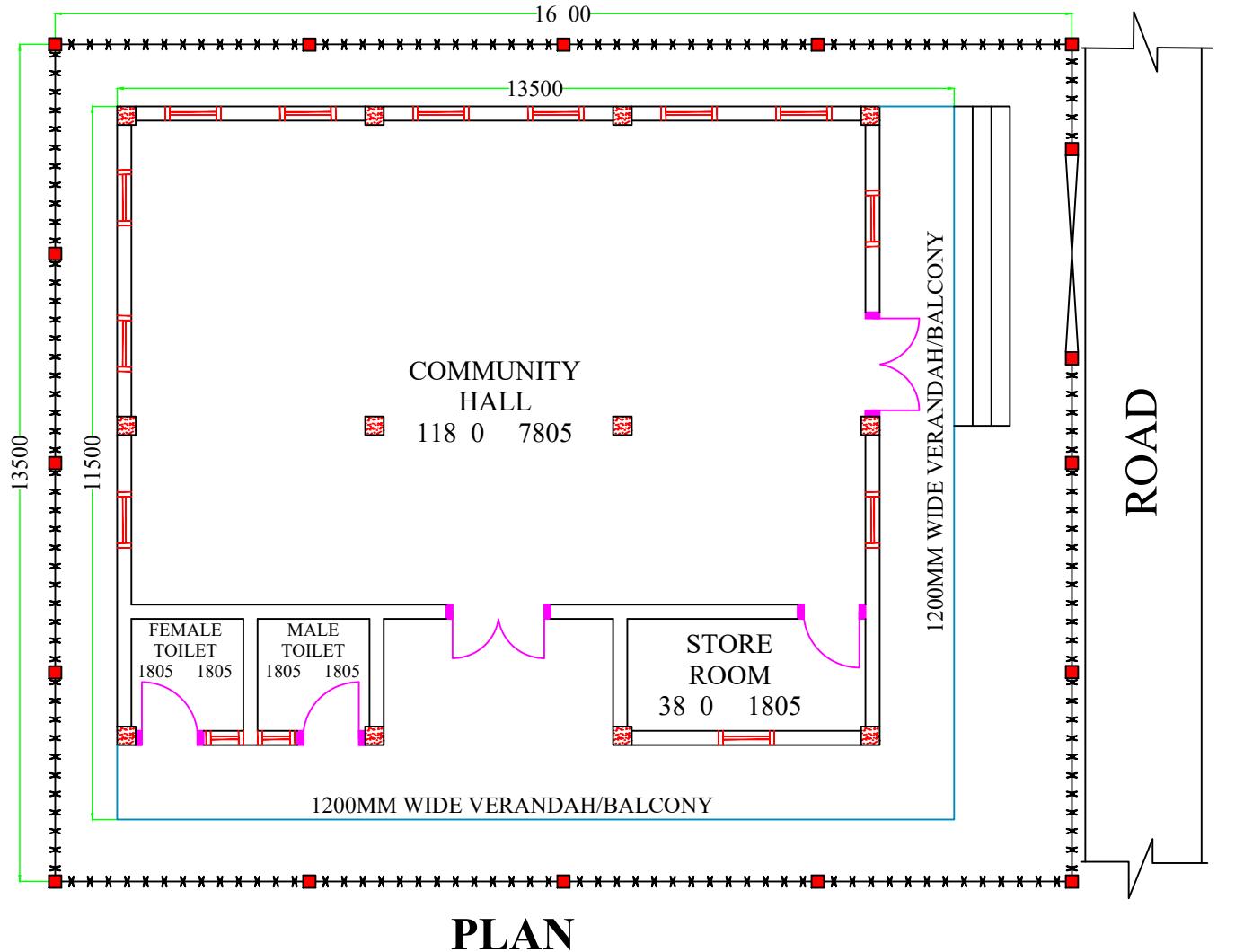


SECTION AT B-B



SCALE: NOT TO SCALE

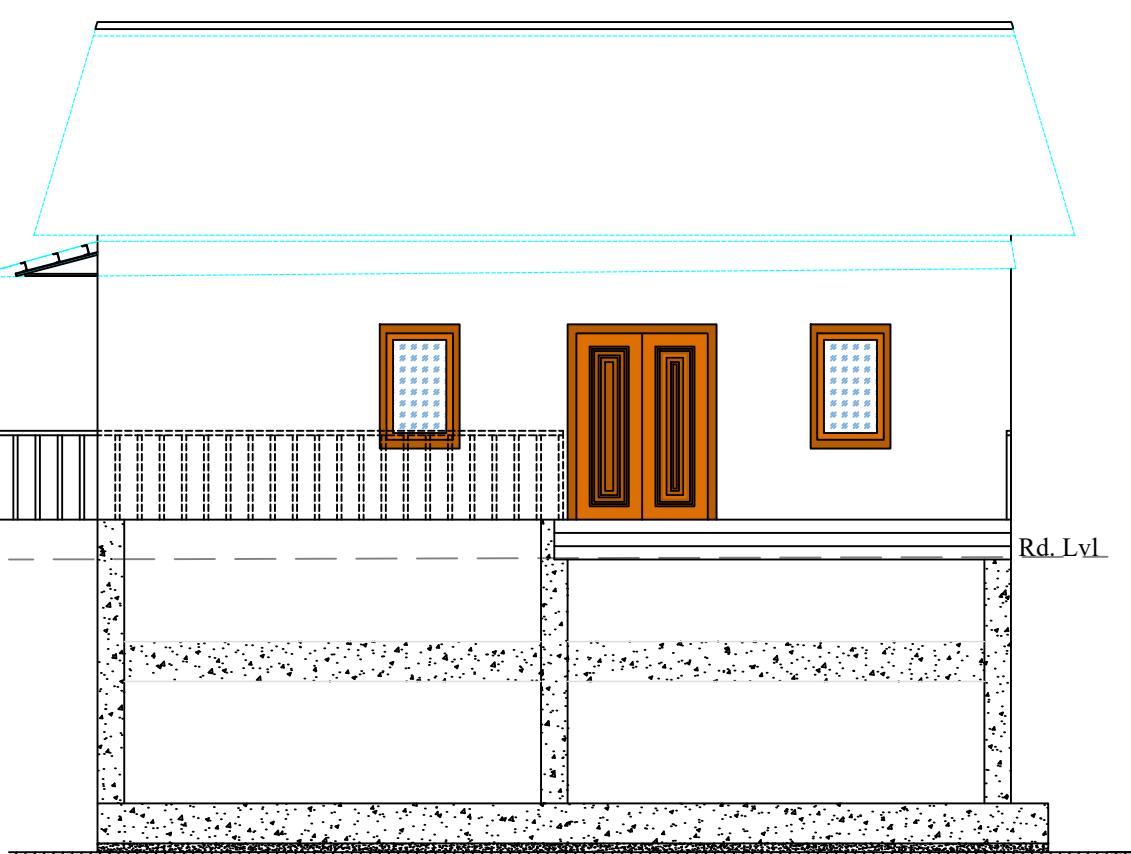
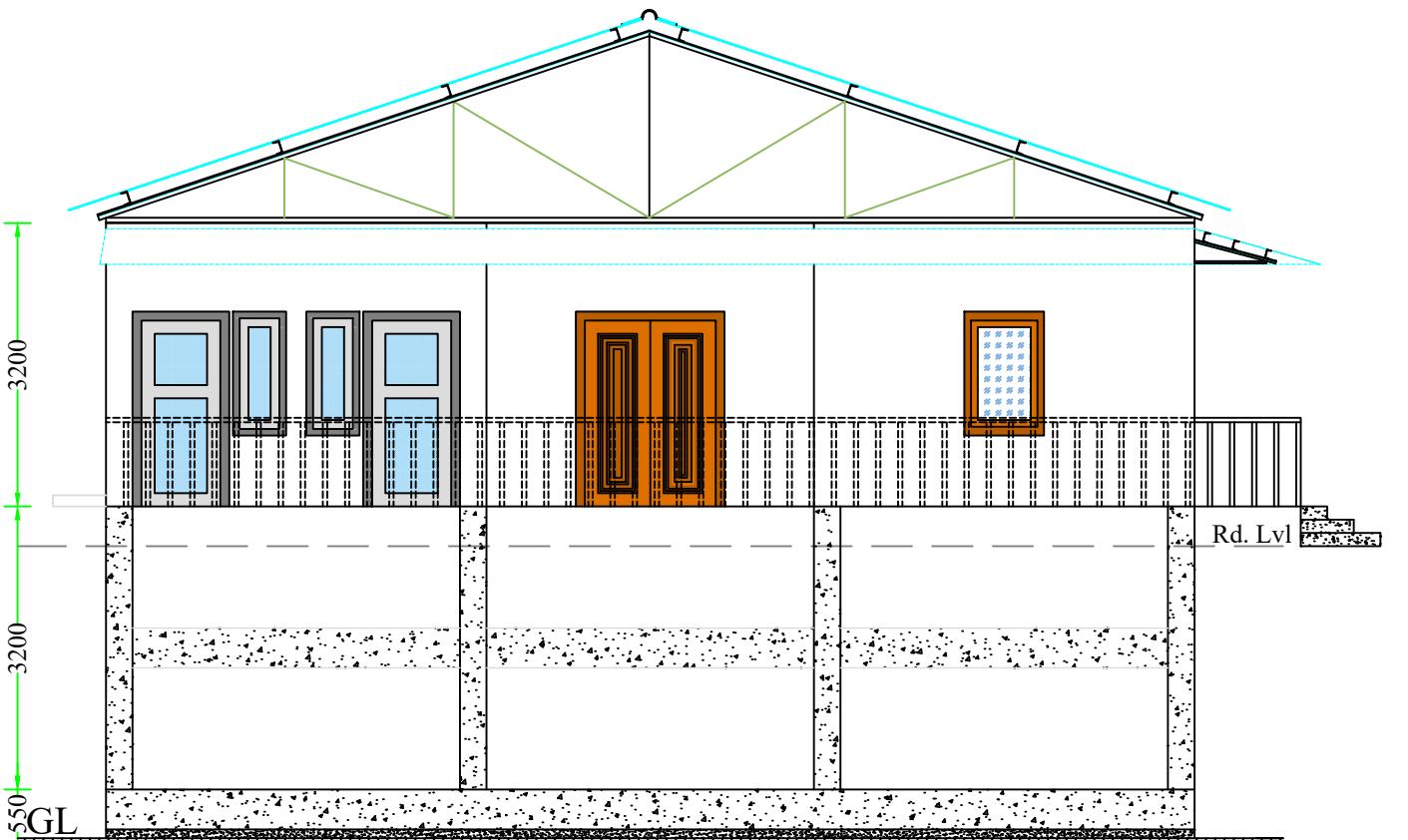
PROJECT TITLE:			
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
 Government of Assam Assam Rural Infrastructure and Agricultural Services Society			
CONSULTANT :			
 Shubh Consultants & Technocrats LLP			
DWG TITLE :			
STANDARD DRAWING RCC PIPE CULVERT WITH SINGLE PIPE 1200MM DIA, NP-3			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



NOTES :

1. All dimensions are in millimetres.
2. All dimensions are to be read and not to be scaled.
3. Grade of Concrete used : M-20.
4. Grade of Steel Reinf. used : TMT (Grade-500)
5. Clear cover for reinf. bars :
 - i) In Foundations - 50 mm.
 - ii) In Columns - 40 mm.
 - iii) In Beams - 25 mm.
 - iv) In Slabs - 20 mm.
6. Not more than one third of the total number of main bars shall be over-lapped at any section of a column.
7. Laps, anchorage of reinf. bars shall be as per I.S.456-2000.
8. Maximum size of Coarse Aggregate shall be 20 mm and down graded.
9. Aggregate shall comply with the requirements of I.S.:383-1970.
10. Lap / Development length = 50 x 'd' where, 'd' = diameter of reinforcing bar.
11. In addition to Lintels, R.C.C. band at silt level should also be provided.
12. Use R.C.C. bands also in all vertical sides of openings.
13. Protruding rods to be provided in columns for embedding all brick walls.
14. Joints between walls & beams may be embedded with epoxy based joint filling compounds.
15. All Reinforcement detailing should meet all the general requirements of IS:4326 and IS:13920.
16. Dimensions shall be in conjunction with Architectural drawings. Architectural drawings shall be followed in the event of any discrepancy with due regard to the Structural requirements. Any major deviations shall be brought to the notice of the Engineer-in-charge.

COMPONENT	QTY	SIZE
MAIN DOOR	1 Nos.	1500mm x 2100mm
BACK DOOR	1 Nos.	1500mm x 2100mm
STORE ROOM DOOR	1 Nos.	900mm x 2100mm
TOILET DOOR	2 Nos.	900mm x 2100mm
MAIN WINDOW	12 Nos.	900mm x 1200mm
TOILET WINDOW	2 Nos.	600mm x 1200mm



SCALE: NOT TO SCALE

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

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

CONSULTANT :  **Shubh**
Consultants & Technocrats LLP

DWG TITLE : STANDARD DRAWING
PLAN & ELEVATION OF
COMMUNITY CENTRE

DATE : _____

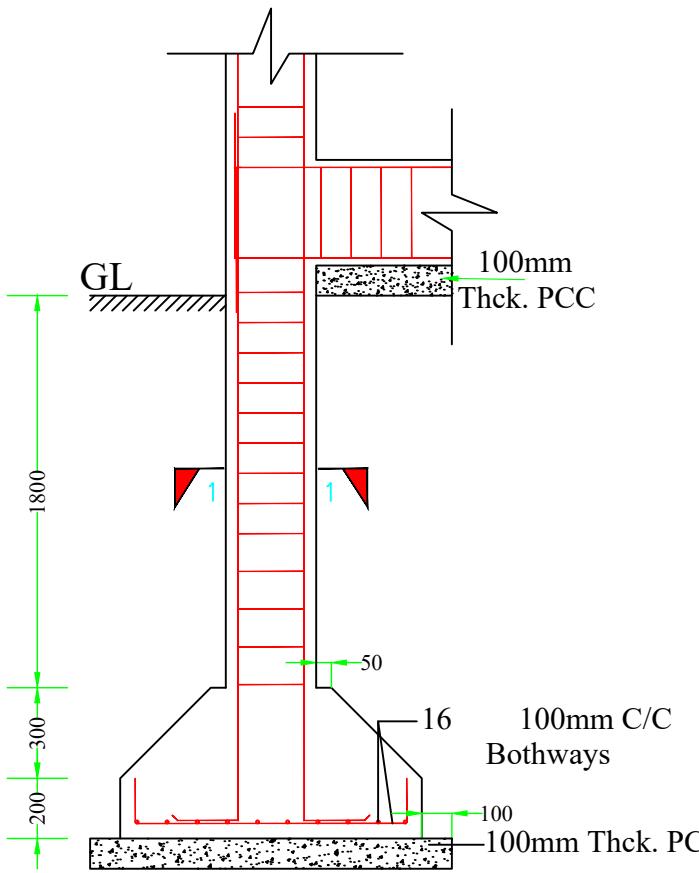
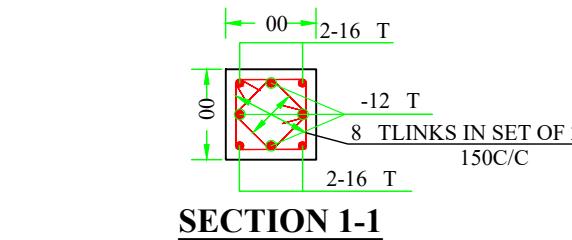
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DATE : **DATE :** **DATE :** **DATE :**

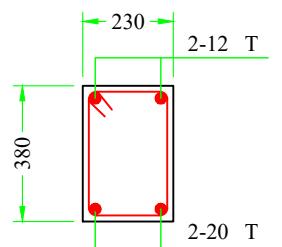
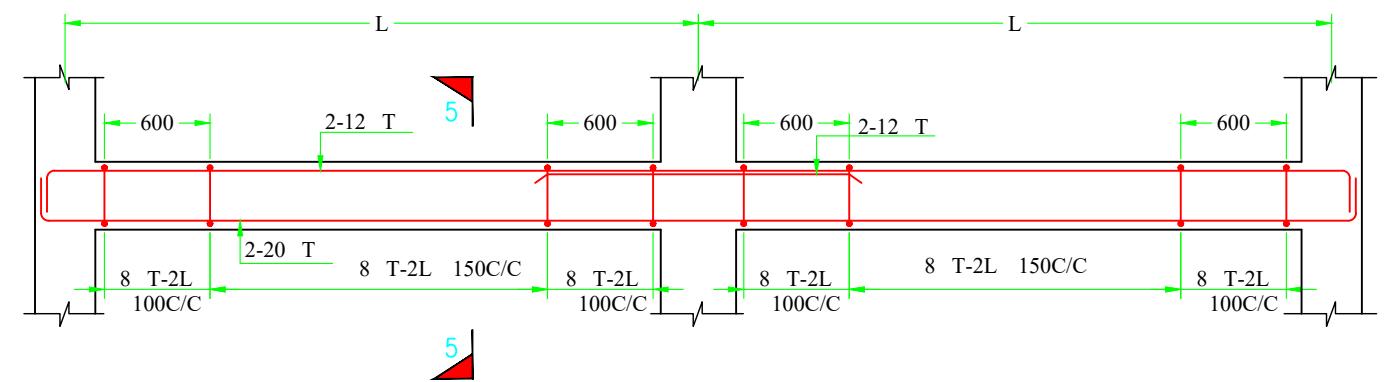
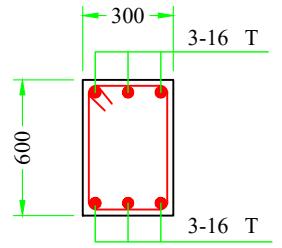
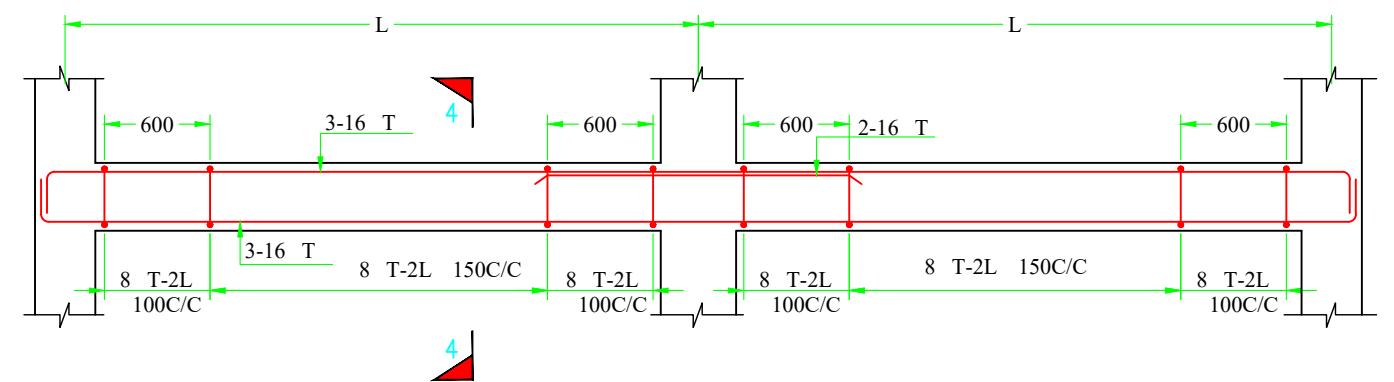
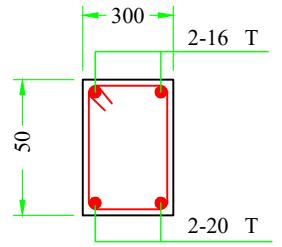
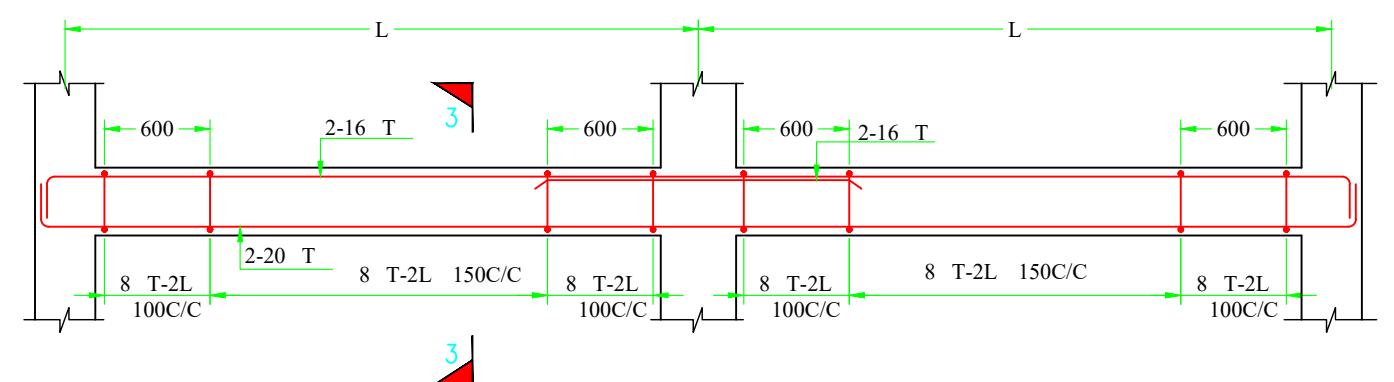
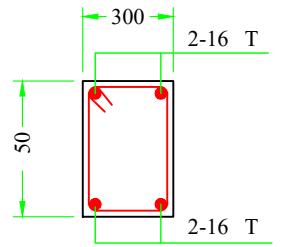
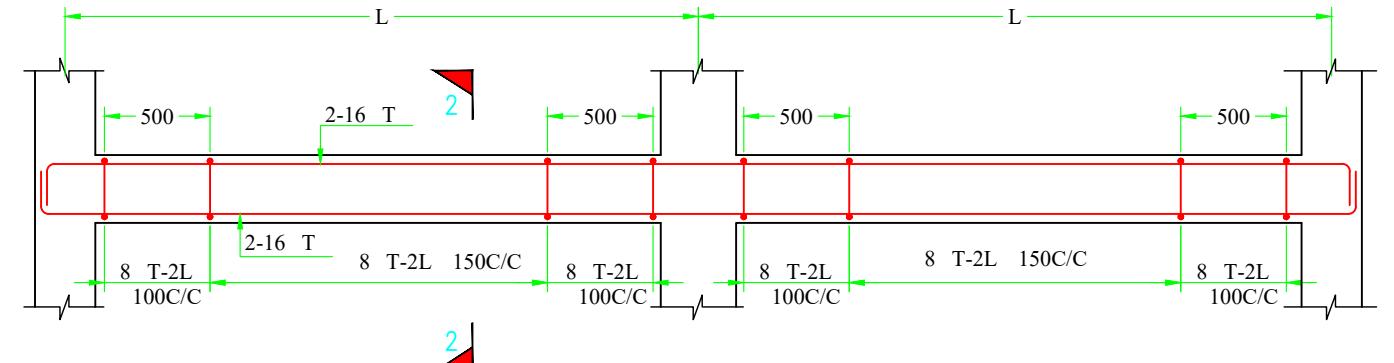
TEAM LEAD A.E. E.E. S.E.

NOTES :

1. All dimensions are in millimetres.
2. All dimensions are to be read and not to be scaled.
3. Grade of Concrete used : M-20.
4. Grade of Steel Reinf. used : TMT (Grade-500)
5. Clear cover for reinf. bars :
 - i) In Foundations - 50 mm.
 - ii) In Columns - 40 mm.
 - iii) In Beams - 25 mm.
 - iv) In Slabs - 20 mm.
6. Not more than one third of the total number of main bars shall be over-lapped at any section of a column.
7. Laps, anchorage of reinf. bars shall be as per I.S.456-2000.
8. Maximum size of Coarse Aggregate shall be 20 mm and down graded.
9. Aggregate shall comply with the requirements of I.S.:383-1970.
10. Lap / Development length = $50 \times d'$ where, d' = diameter of reinforcing bar.
11. In addition to Lintels, R.C.C. band at sill level should also be provided.
12. Use R.C.C. bands also in all vertical sides of openings.
13. Protruding rods to be provided in columns for embedding all brick walls.
14. Joints between walls & beams may be embedded with epoxy based joint filling compounds.
15. All Reinforcement detailing should meet all the general requirements of IS:4326 and IS:13920.
16. Dimensions shall be in conjunction with Architectural drawings. Architectural drawings shall be followed in the event of any discrepancy with due regard to the Structural requirements. Any major deviations shall be brought to the notice of the Engineer-in-charge.



FOOTING PLAN



SCALE: NOT TO SCALE

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

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

CONSULTANT :
 **Shubh**
Consultants & Technocrats LLP

DWG TITLE :
STANDARD DRAWING
DETAILS OF FOOTING, COLUMN & BEAM
OF COMMUNITY CENTRE

DATE : _____

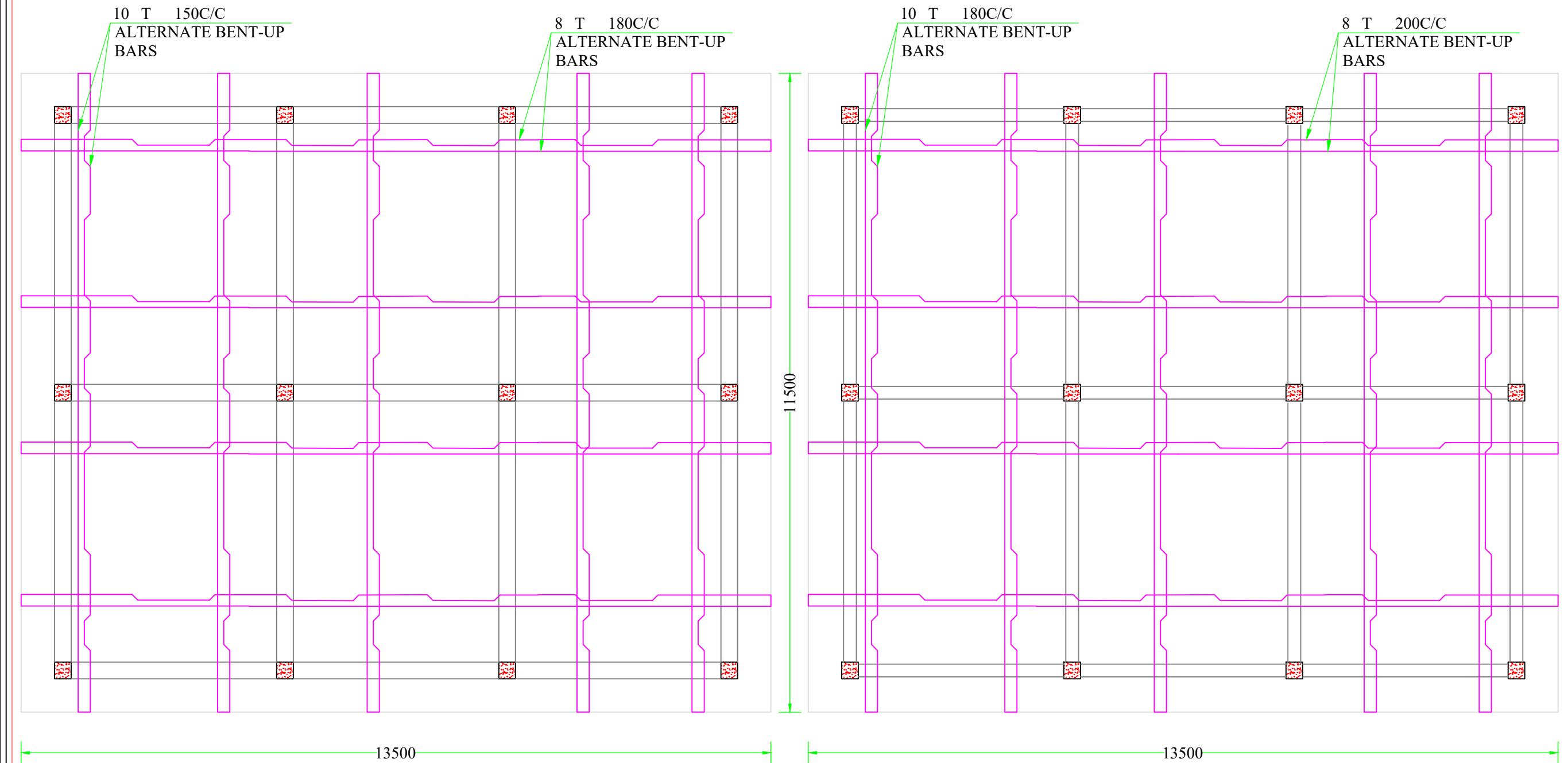
CHECKED BY: _____ **SUBMITTED TO:** _____ **RECOMMENDED BY:** _____ **APPROVED BY:** _____

DATE : _____ **DATE :** _____ **DATE :** _____ **DATE :** _____

TEAM LEAD A.E. E.E. S.E.

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where, 'd' = diameter of reinforcing bar.
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DETAIL OF FLOOR SLAB

(SLAB THICKNESS : 150mm)

DETAIL OF ROOF SLAB

(SLAB THICKNESS : 125mm)

SCALE: NOT TO SCALE

PROJECT TITLE:

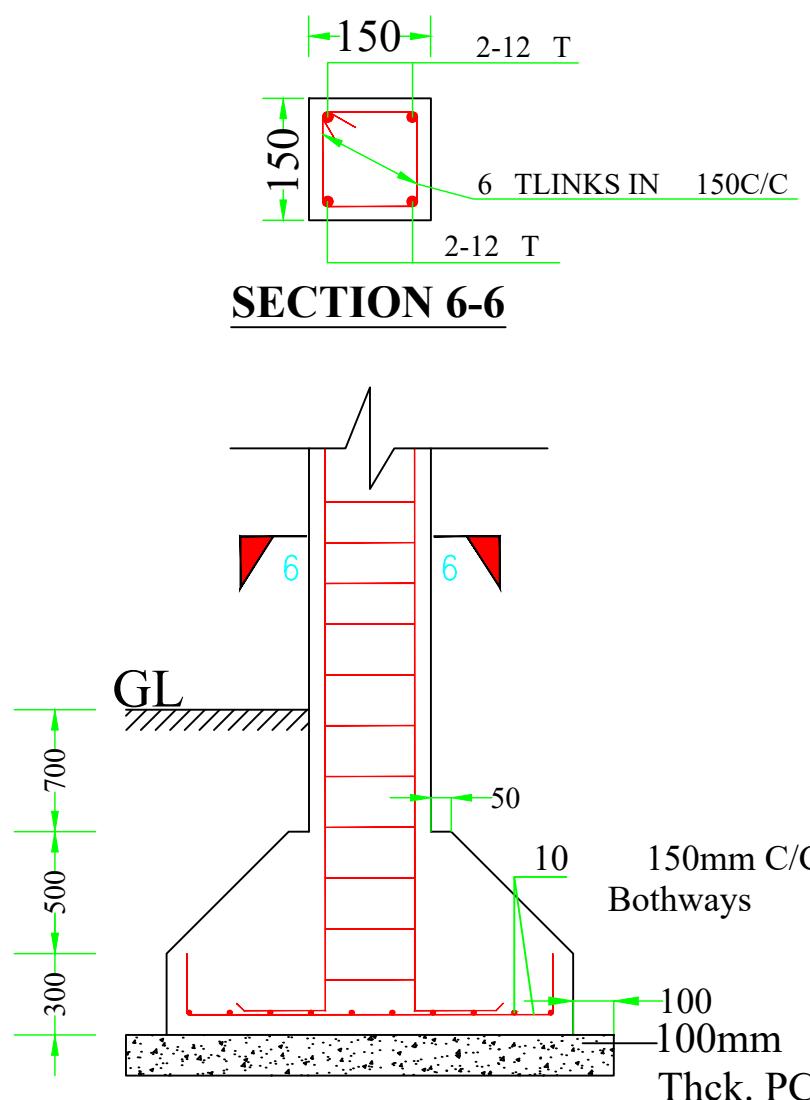
CLIENT :  **ARIAS Society**
GOVERNMENT OF ASSAM

ONSULTANT :  Shubh
Consultants & Technocrats LLP

DWG TITLE : **STANDARD DRAWING**
DETAILS OF SLAB OF
COMMUNITY CENTRE

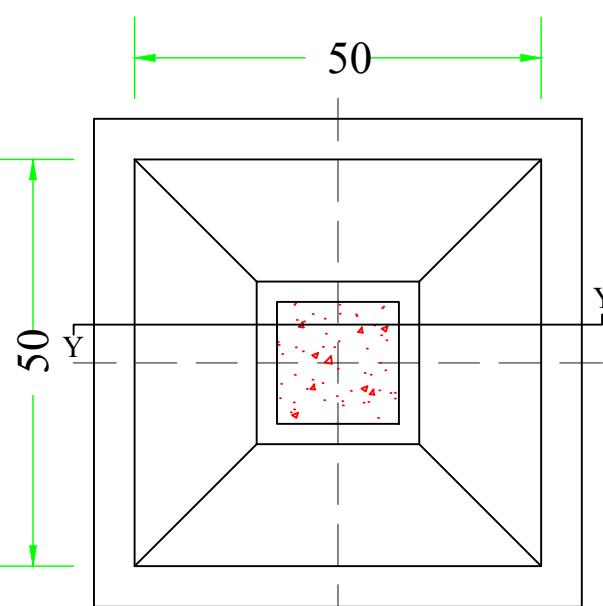
COMMUNITY CENTRE			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

DEATILS OF RCC POST FOR CHAIN-LINK FENCING

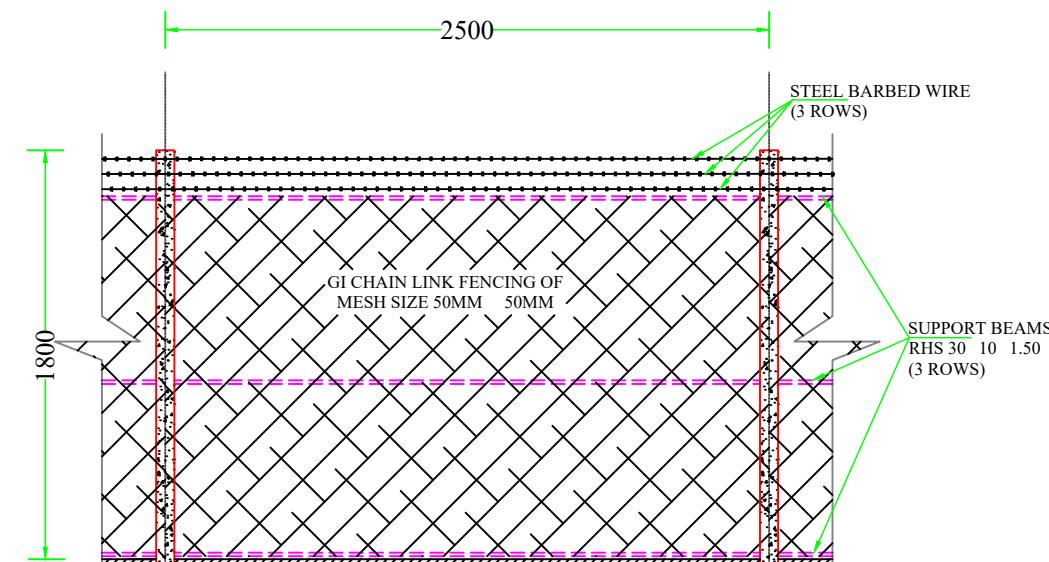


SECTION 6-6

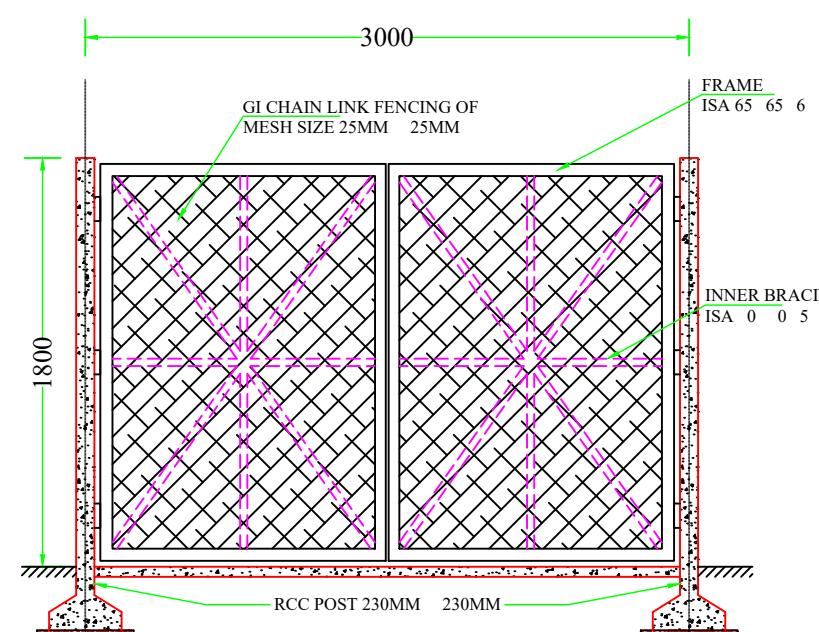
SECTION Y-Y'



FOOTING PLAN

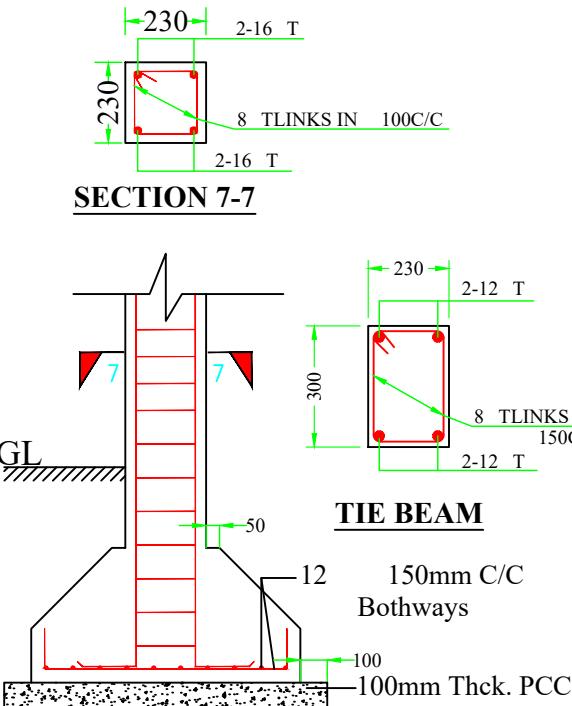


DETAILS OF CHAIN LINK FENCE



DETAILS OF MS GATE

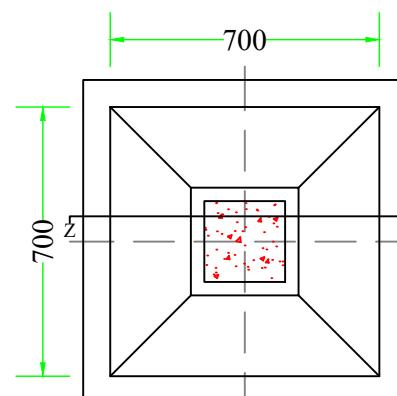
DEATILS OF RCC POST FOR GATE



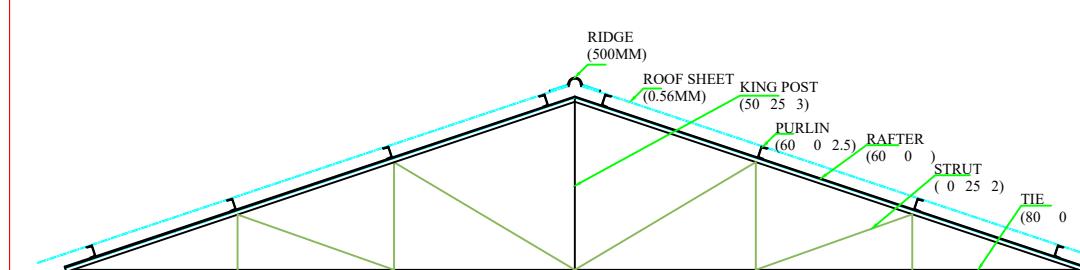
SECTION 7-7

TIE BEAM

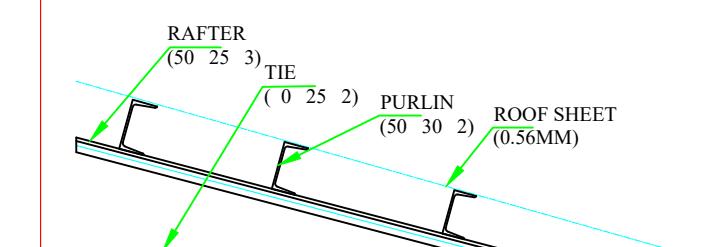
SECTION Z-Z'



FOOTING PLAN



DETAILS OF ROOF TRUSS



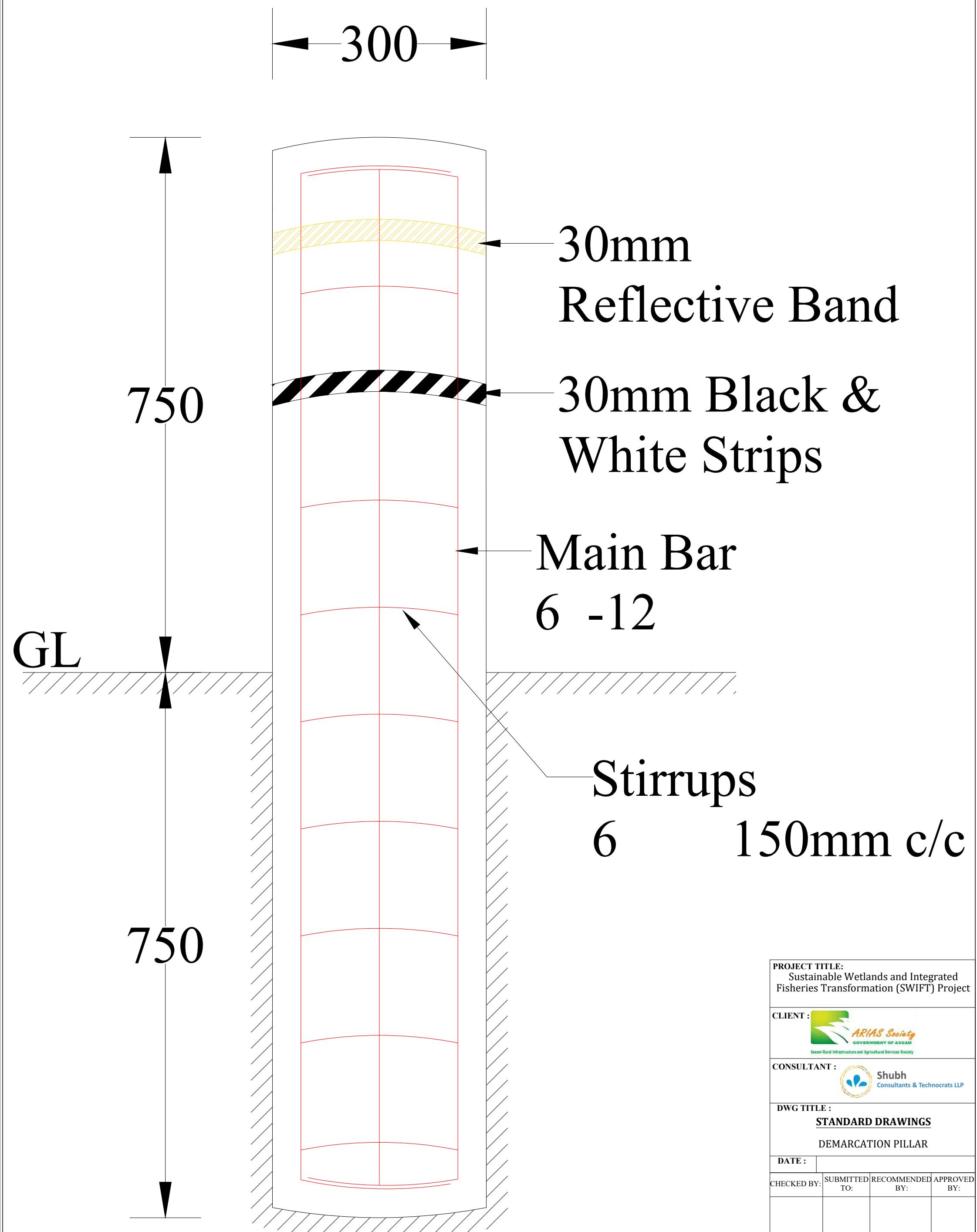
DETAILS OF EXTENDED ROOF TRUSS

NOTES :

- All dimensions are in millimetres.
- All dimensions are to be read and not to be scaled.
- Grade of Concrete used : M-20.
- Grade of Steel Reinf. used : TMT (Grade-500)
- Clear cover for reinf. bars :
 - In Foundations - 50 mm.
 - In Columns - 40 mm.
 - In Beams - 25 mm.
 - In Slabs - 20 mm.
- Not more than one third of the total number of main bars shall be over-lapped at any section of a column.
- Laps, anchorage of reinf. bars shall be as per L.S.456-2000.
- Maximum size of Coarse Aggregate shall be 20 mm and down graded.
- Aggregate shall comply with the requirements of IS:383-1970.
- Lap / Development length = $50 \times d$ where, 'd' = diameter of reinforcing bar.
- In addition to Lintels, R.C.C. band at sill level should also be provided.
- Use R.C.C. bands also in all vertical sides of openings.
- Protruding rods to be provided in columns for embedding all brick walls.
- Joints between walls & beams may be embedded with epoxy based joint filling compounds.
- All Reinforcement detailing should meet all the general requirements of IS:4326 and IS:13920.
- Dimensions shall be in conjunction with Architectural drawings. Architectural drawings shall be followed in the event of any discrepancy with due regard to the Structural requirements. Any major deviations shall be brought to the notice of the Engineer-in-charge.

SCALE: NOT TO SCALE

PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project		
CLIENT :	 ARIAS Society <small>GOVERNMENT OF ASSAM</small> <small>Assam Rural Infrastructure and Agricultural Services Society</small>		
CONSULTANT :	 Shubh <small>Consultants & Technocrats LLP</small>		
DWG TITLE :	STANDARD DRAWING DETAILS OF CHAIN-LINK FENCING, GATE & ROOF TRUSS OF COMMUNITY CENTRE		
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



PROJECT TITLE:			
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
 ARIAS Society GOVERNMENT OF ASSAM			
CONSULTANT :			
 Shubh Consultants & Technocrats LLP			
DWG TITLE :			
STANDARD DRAWINGS			
DEMARCATION PILLAR			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

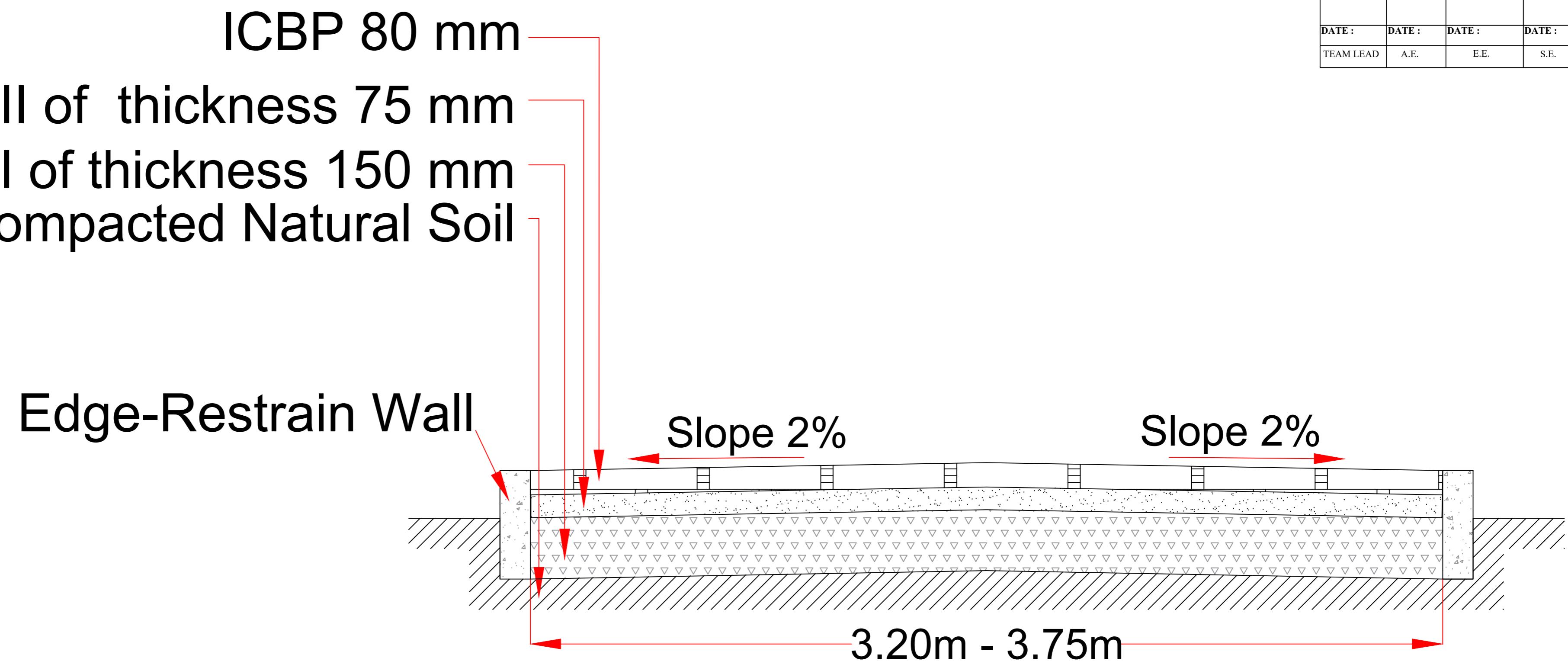
TYPICAL SECTION OF ROAD

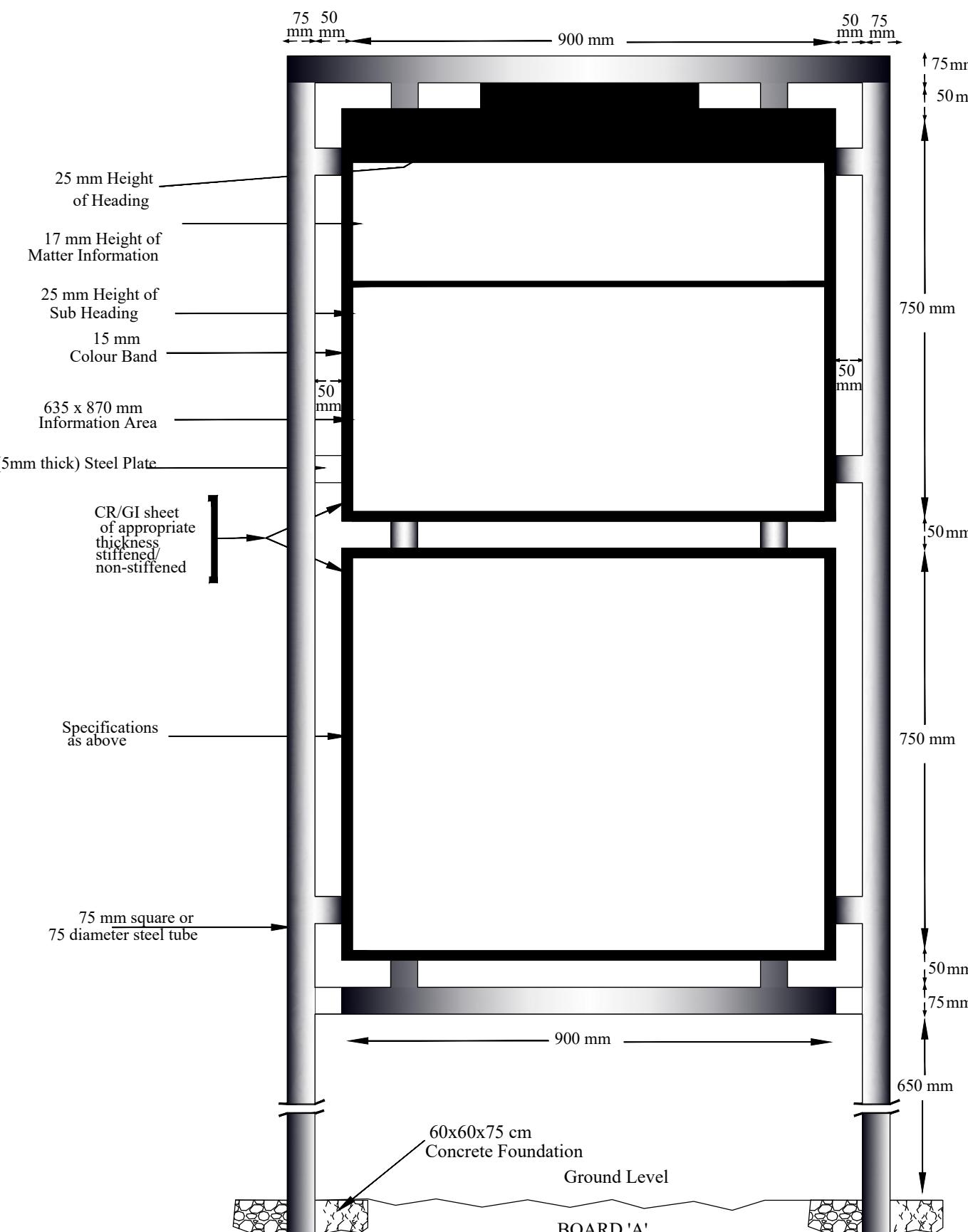
DETAILS OF ROAD SECTIONS

Section No.	Road Section-01	Road Section-02	Road Section-03	Road Section-04	Road Section-05
Length (m)	280.00	340.00	900.00	450.00	150.00
Width (m)	3.20	3.20	3.20	3.20	3.75

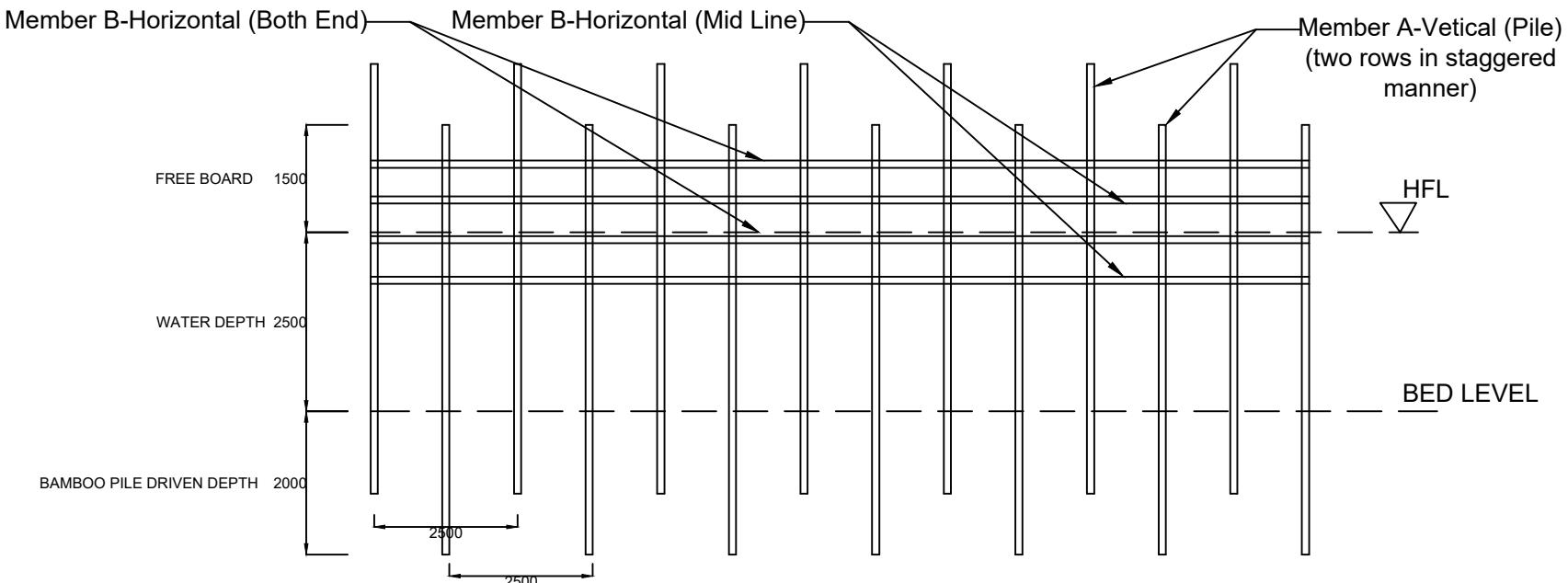
Note: Road Section-04 may be constructed subjected to approval from concerned authorities as per the ADB norms.

PACKAGE NO.:	0		
NAME OF THE BEEL:	MORAKOLLONG BEEL		
DEVELOPMENT BLOCK:	BHURBANDHA		
REVENUE VILLAGE:	LUKAKUCHI & BANPARA		
DISTRICT:	MORIGAON		
AREA (Ha):	13.55 Ha		
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project		
CLIENT :	 ARIAS Society Government of Assam Assam Rural Infrastructure and Agricultural Services Society		
CONSULTANT :	 Shubh Consultants & Technocrats LLP		
DWG TITLE :	TYPICAL SECTION OF APPROACH ROAD		
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

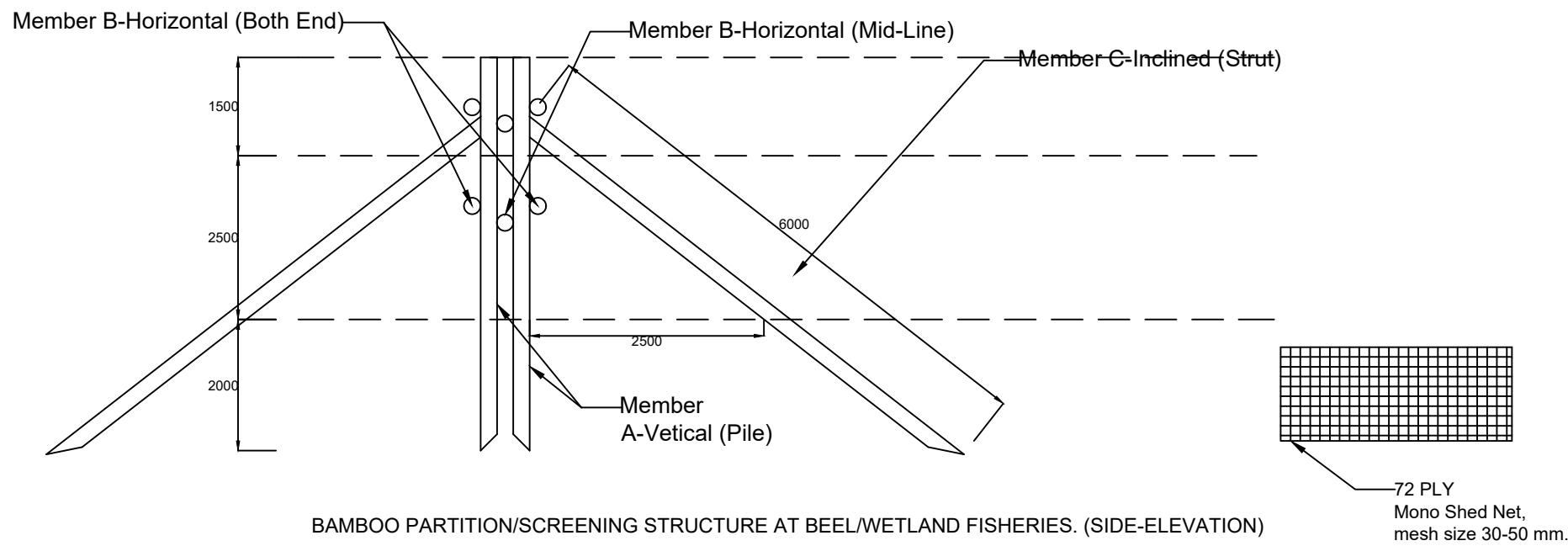




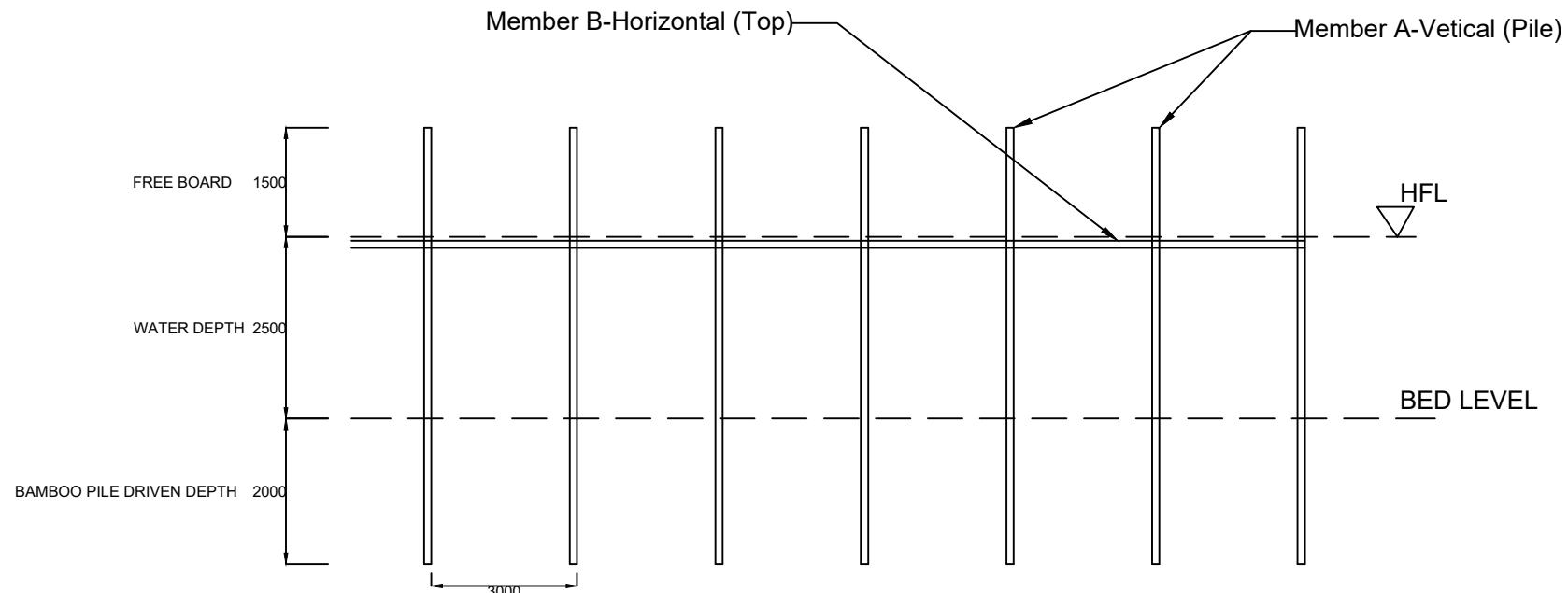
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : ARIAS SOCIETY			
CONSULTANT : SHUBH CONSULTANTS AND TECHNOCRATS LLP			
DWG TITLE : STANDARD DRAWING			
INFORMATION BOARD			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
TEAM LEAD	A.E.	E.E.	S.E.



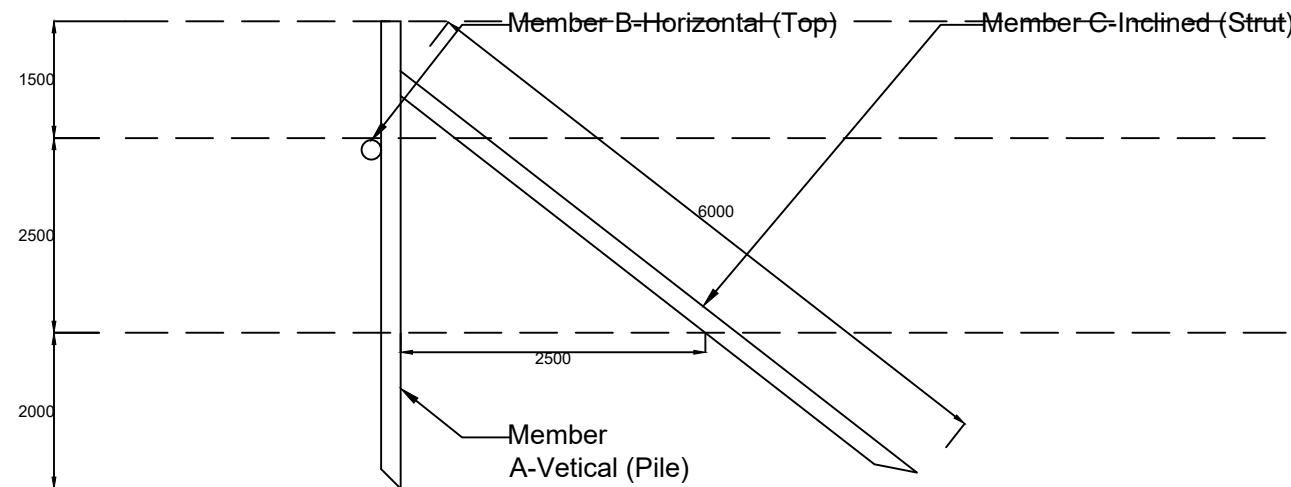
BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)



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



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