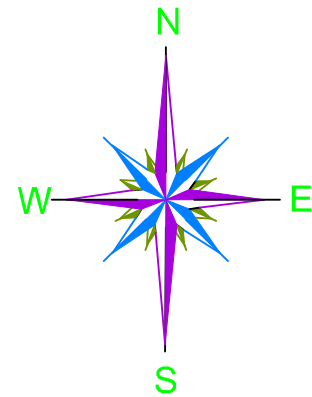
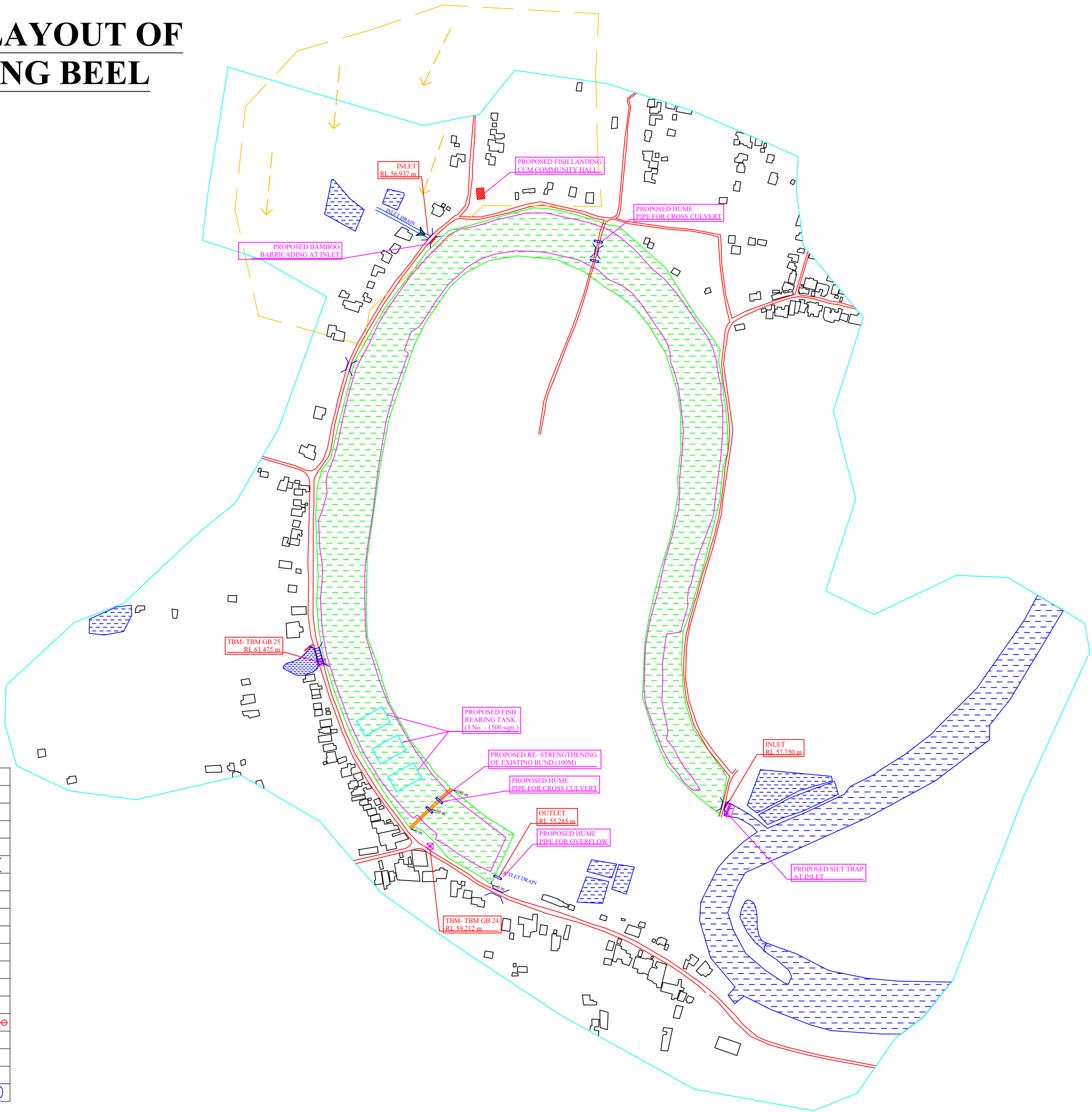


MASTERPLAN LAYOUT OF MORAKOLLONG BEEL

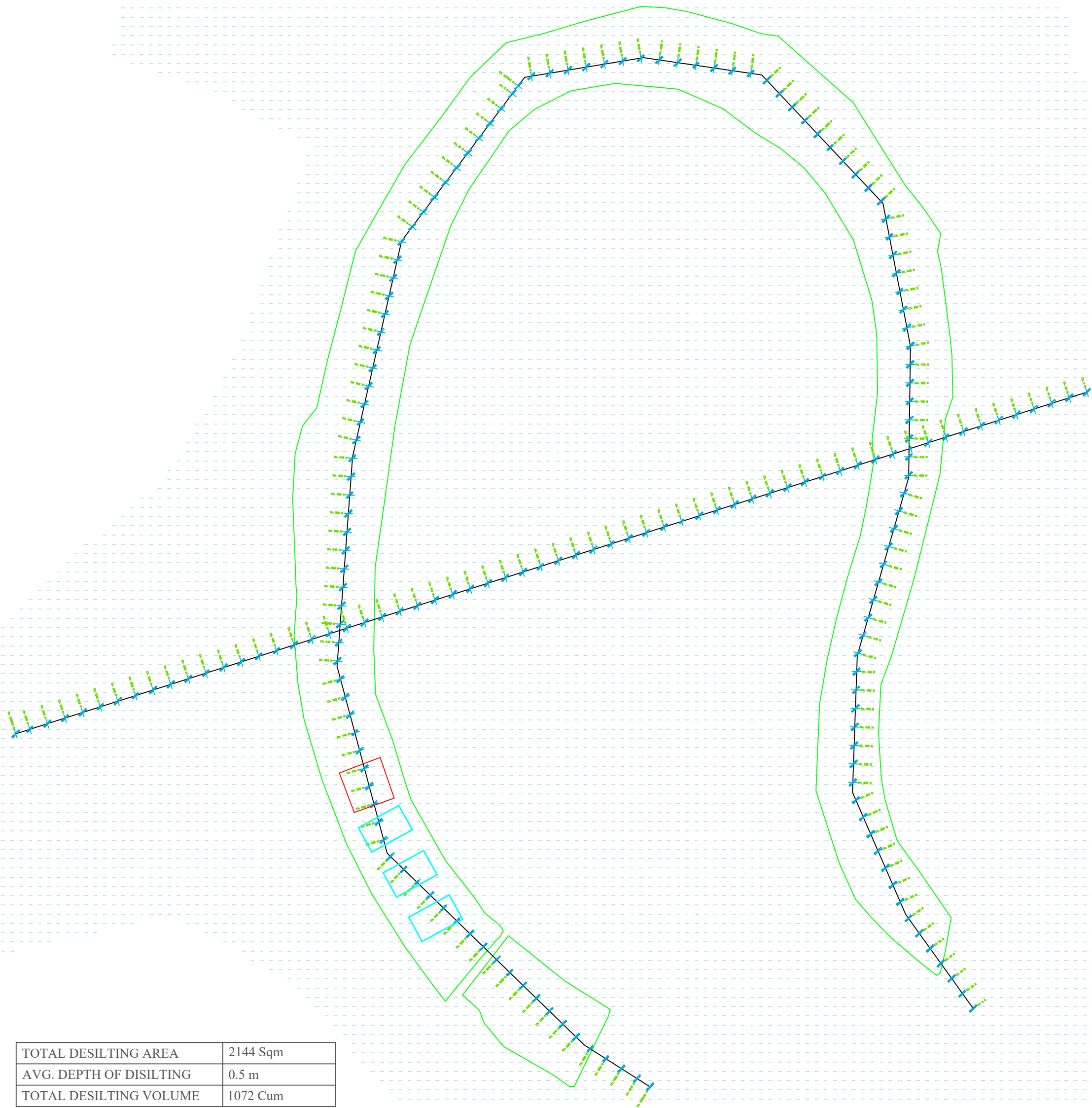
PROPOSED WORKS	
DESCRIPTION OF WORK	SPECIFICATION
Inlet Channel	0 m
Outlet Channel	0 m
Silt Trap	24 m
Bamboo Barrage at Outlet	15 m
Earthen Bund	100 m (TW- 2m & Height- 1.5m)
Desilting	1072 Cu. m
Deweeding	102954 Sq. m
Fish Rearing Tank	3 Nos. (50 m X 30 m)
Fish Landing Cum Community Hall	1 Nos
Pen Culture	6 Nos
Vermicompost Pit	-
Approach Road	0 m
Demarcation Pillar	98 Nos
Pipe Culvert	5 Nos

LEGENDS :

BOUNDARY	
ROAD	
RAILWAY	
BENCH MARK	
CULVERT	
BRIDGE	
RIVER/ STREAM/ POND	
BEEL	
DEMARCATON OF BEEL AS PER RECORDS	
VEGETATION / MARSHY AREAS	
HOUSES/ BUILDING	
CATCHMENT AREA	
PROP. BUND	
PROP. SILT TRAP AT INLET	
PROP. BAMBOO BARRAGE	
PROP. APPROACH ROAD	
PROP. FISH REARING TANK	
PROP. FISH LANDING CUM COMMUNITY HALL	
PROP. PIPE CULVERT	



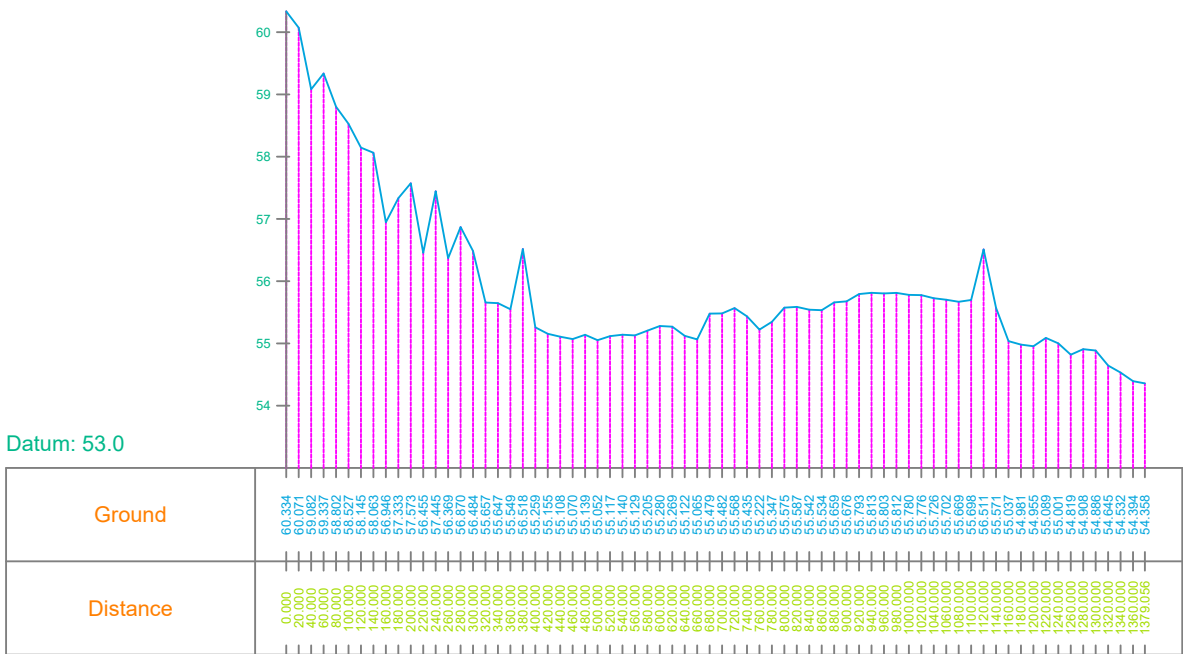
PACKAGE NO.: 04			
NAME OF THE BEEL: MORAKOLLONG BEEL			
DEVELOPMENT BLOCK: BHURBANDHA			
REVENUE VILLAGE: LUKAKUCHI & BANPARA			
DISTRICT: MORIGAON			
AREA (Ha): 13.55 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT: 			
CONSULTANT: 			
DWG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

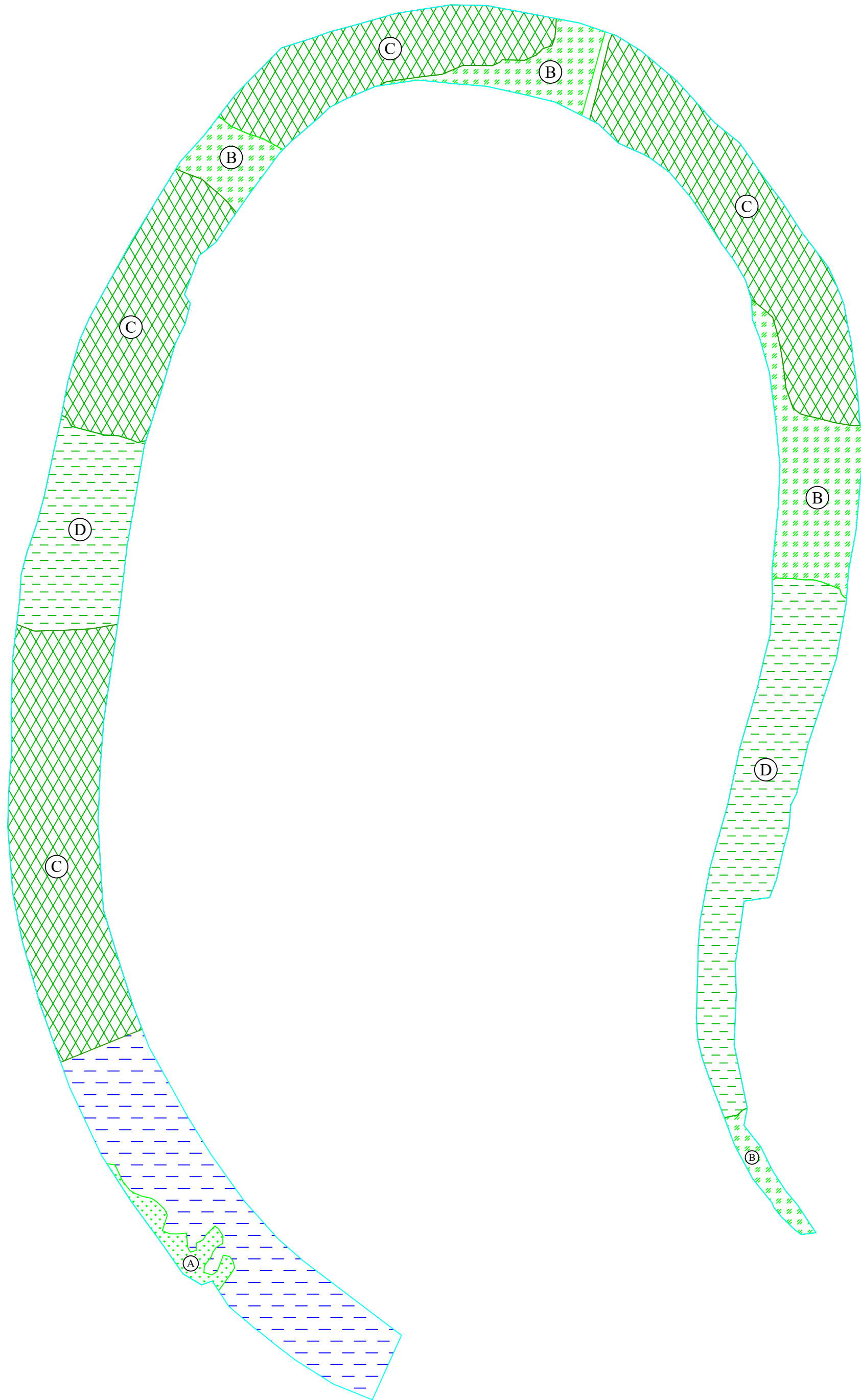


TOTAL DESILTING AREA	2144 Sqm
AVG. DEPTH OF DISILTING	0.5 m
TOTAL DESILTING VOLUME	1072 Cum

LEGENDS :

BEEL BOUNDARY	
PROP. EXCAVATION AREA	
PROP. REARING TANK EXCAVATION	

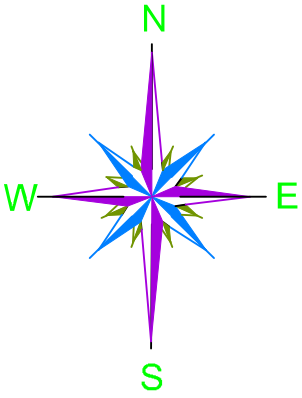




AREA DETAILS		
SYMBOL	DESCRIPTION	AREA (Sq. m)
Ⓐ	Thin and floating water hyacinths and other aquatic weeds etc.	2127.00
Ⓑ	Thick and floating water hyacinths and other aquatic weeds etc.	19533.00
Ⓒ	Thick and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 50 cm.	74583.00
Ⓓ	Medium and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	31917.00
Ⓔ	Heavy and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 80 cm to 120 cm	0.00

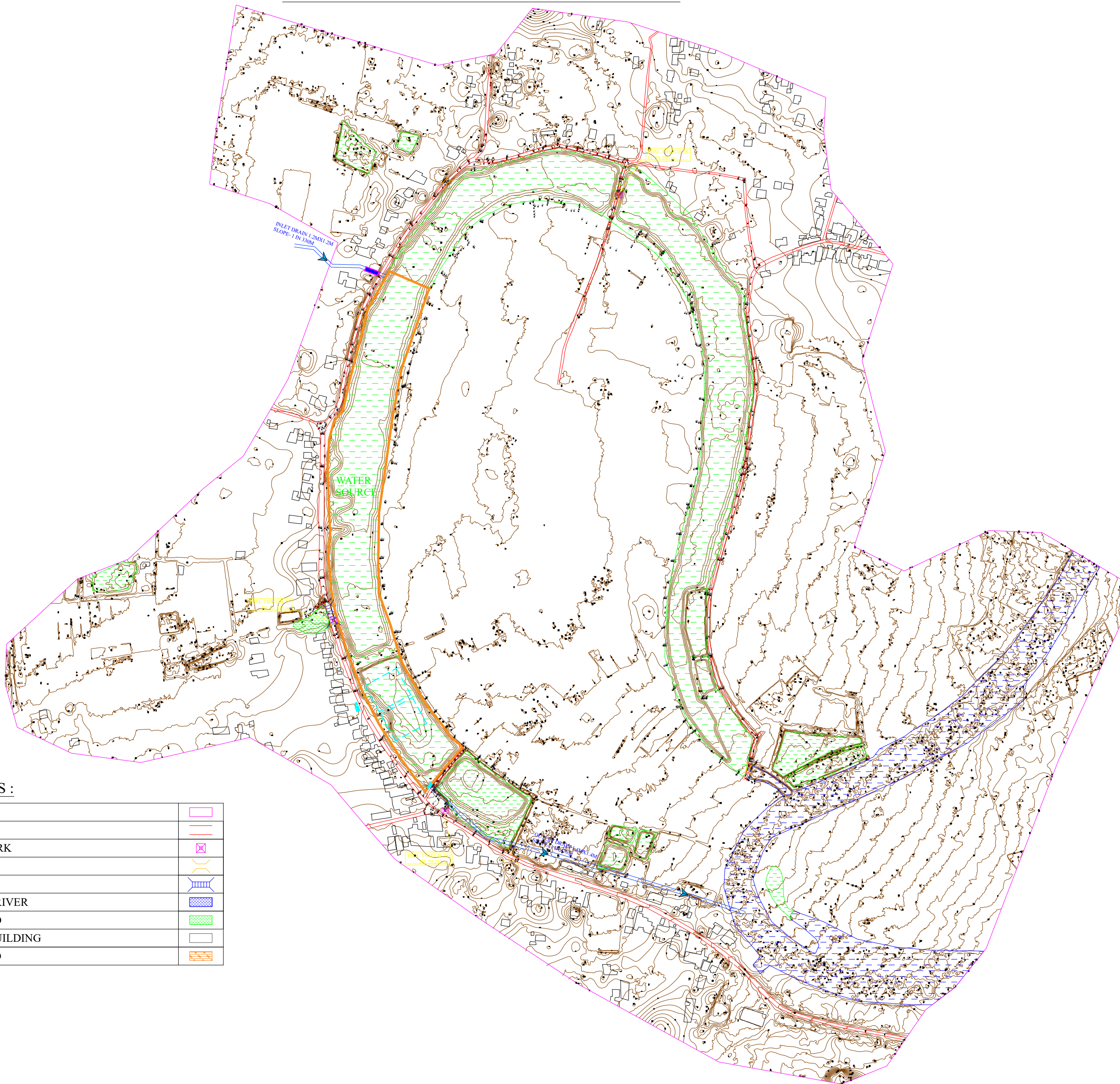
LEGENDS :

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, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm.	
MEDIUM AND FLOATING TARANIES, DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm to 80 cm.	
HEAVY AND FLOATING TARANIES, DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 80 cm to 120 cm.	



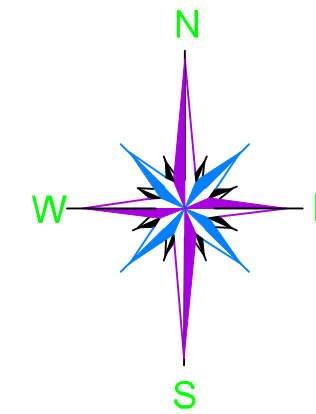
PACKAGE NO.: 04			
NAME OF THE BEEL: MORAKOLLONG BEEL			
DEVELOPMENT BLOCK: BHURBANDHA			
REVENUE VILLAGE: LUKAKUCHI & BANPARA			
DISTRICT: MORIGAON			
AREA (Ha): 13.55 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG 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



LEGENDS :

BOUNDARY	
ROAD	
BENCH MARK	
CULVERT	
BRIDGE	
STREAMS/ RIVER	
BEEL/ POND	
HOUSES/ BUILDING	
PROP. BUND	



PACKAGE NO.:

04

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 :



CONSULTANT :



DWG TITLE :

CONTOUR MAP WITH
BATHYMETRIC LEVELS OF
MORAKOLLONG BEEL

DATE :

CHECKED BY:

SUBMITTED TO:

RECOMMENDED BY:

APPROVED BY:

DATE :

TEAM LEAD

DATE :

A.E.

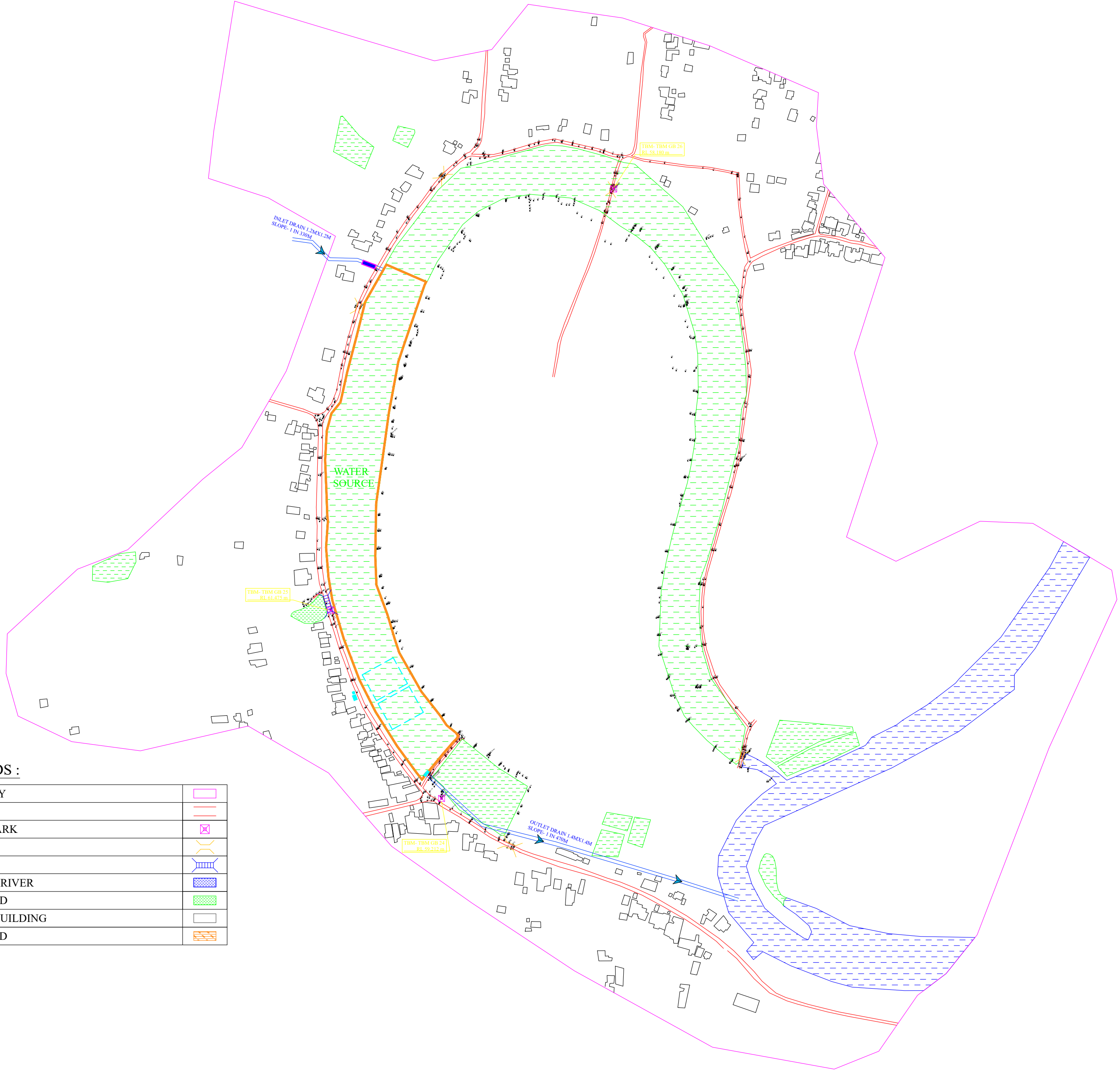
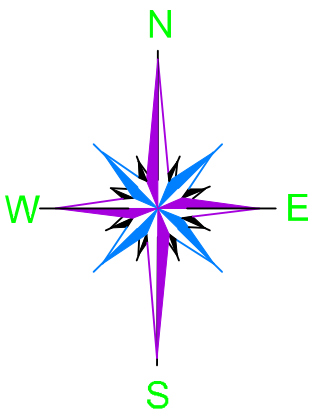
DATE :

E.E.

DATE :

S.E.

DGPS SURVEY LAYOUT MAP OF MORAKOLLONG BEEL

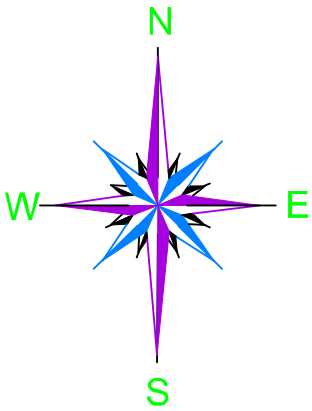


LEGENDS :

BOUNDARY	
ROAD	
BENCH MARK	
CULVERT	
BRIDGE	
STREAMS/ RIVER	
BHEEL/ POND	
HOUSES/ BUILDING	
PROP. BUND	

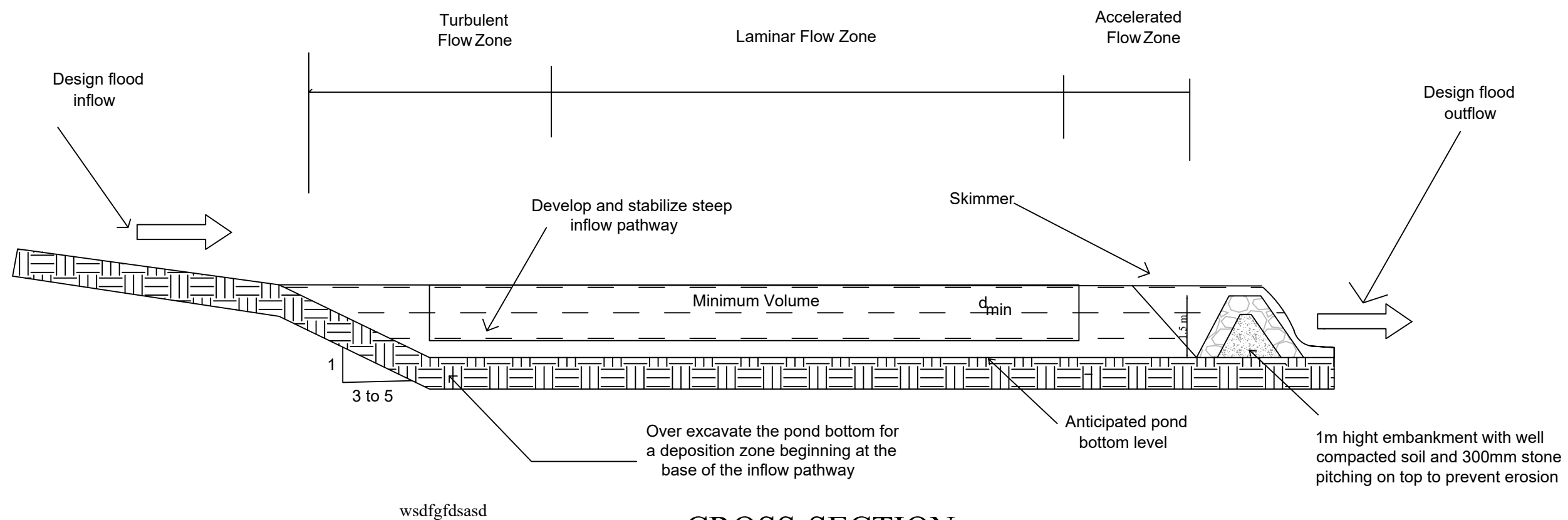
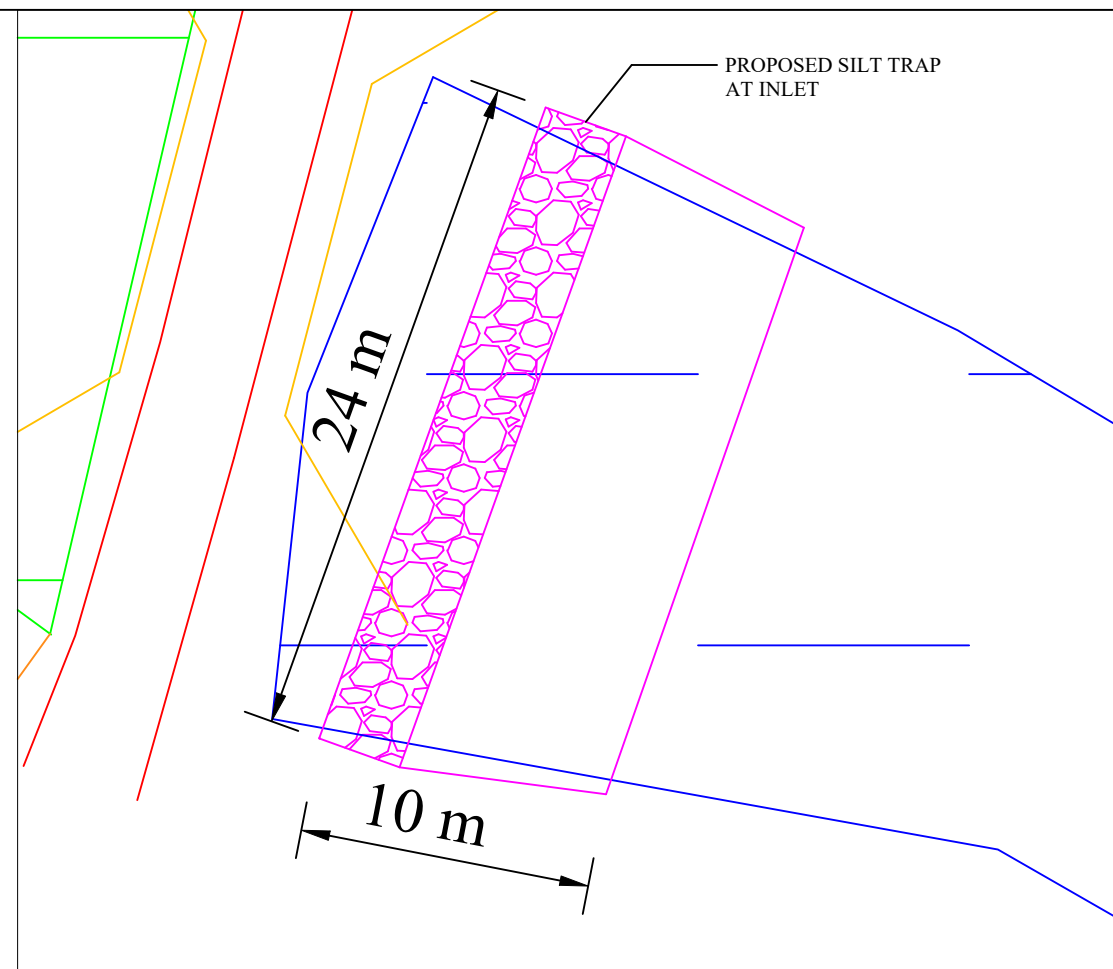
PACKAGE NO.: 04			
NAME OF THE BEEL: MORAKOLLONG BEEL			
DEVELOPMENT BLOCK: BHURBANDHA			
REVENUE VILLAGE: LUKAKUCHI & BANPARA			
DISTRICT: MORIGAON			
AREA (Ha): 13.55 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
CONSULTANT :			
DWG TITLE : DGPS SURVEY LAYOUT 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.

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):			
13.55 Ha			
PROJECT TITLE:			
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
			
CONSULTANT :			
			
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



CROSS-SECTION

SCALE: NOT TO SCALE
ALL THE DIMENSTIONS ARE IN METER

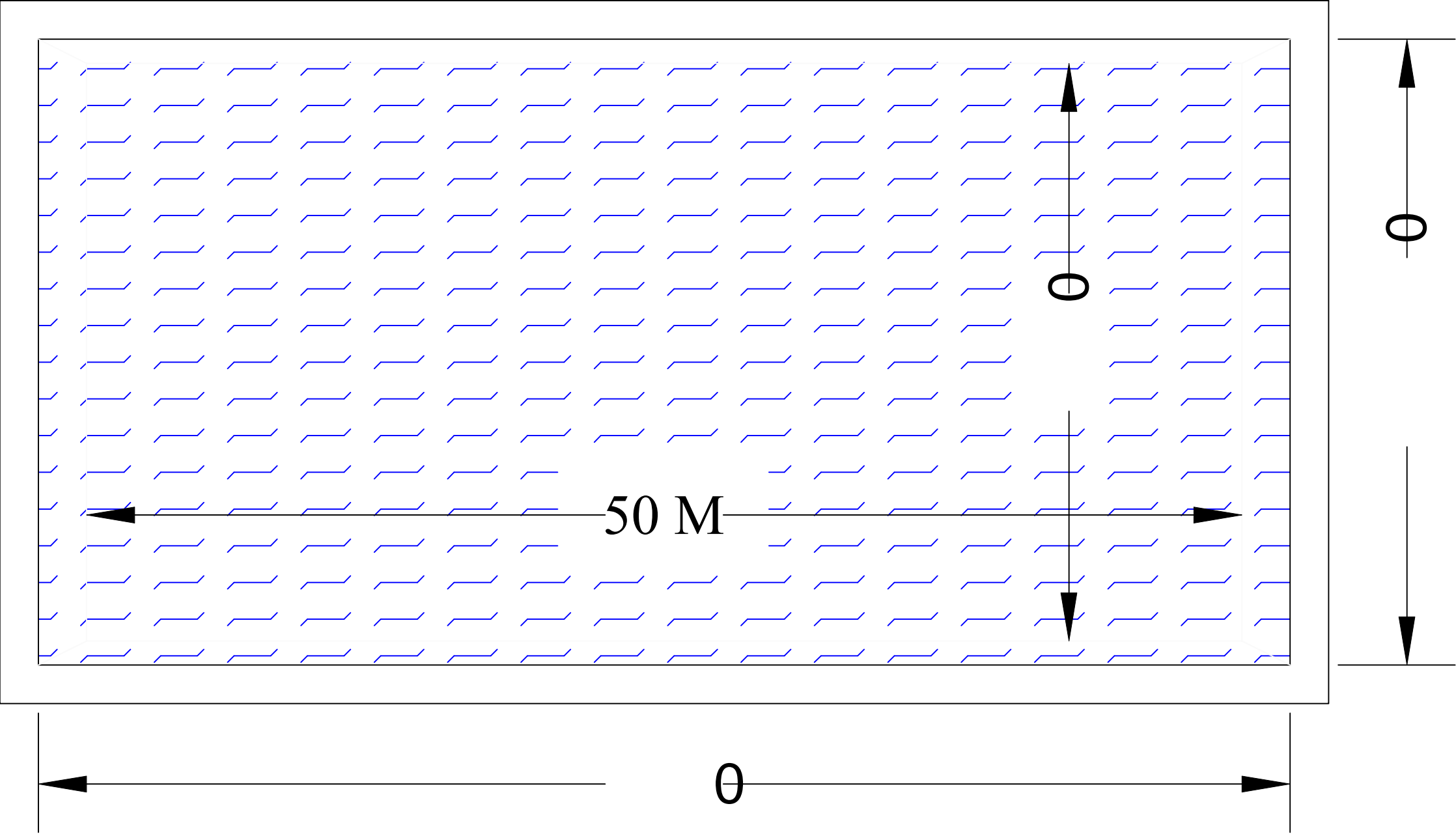
PROJECT TITLE:
Sustainable Wetlands and Integrated
Fisheries Transformation (SWIFT) Project



DWG TITLE :
PLAN AND CROSS-SECTION OF
SILT TRAP FOR MORAKOLLONG
BEEL

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



TYPICAL PLAN & SECTION OF
5 (\$ 5 , 1 * 7 \$ 1 .

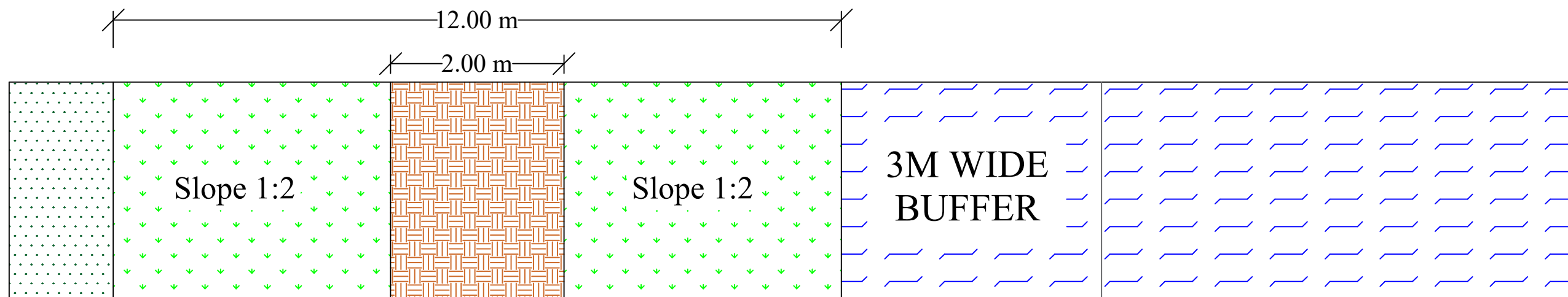


PLAN

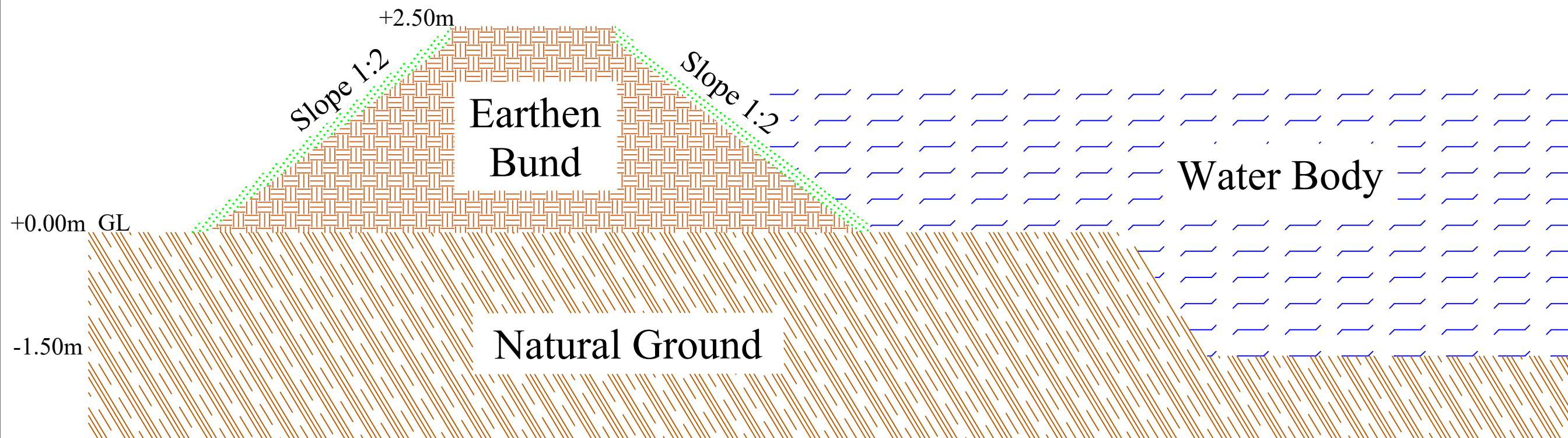


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SCALE: NOT TO SCALE			
PROJECT TITLE: Sustainable Wetlands and Integrated " f • • ^ " • f - (' •			
& / , (1 7 <div><div>ARIAS Society GOVERNMENT OF ASSAM <small>Assam Rural Infrastructure and Agricultural Services Society</small></div></div>			
& 2 1 6 8 / 7 \$ 1 ' <div><div>Shubh Consultants & Technocrats LLP</div></div>			
' : * 7 , 7 / (TYPICAL PLAN & SECTION OF REARING 7 \$ 1 . 2) 6 4 0			
' \$ 7 (
CHECKED BY:	6 8 % 0 , 7 7 7 2	5 (& 2 0 0 (1 ' (% <	' \$ 3 3 5 2 9 % <
DATE :	' \$ 7 (' \$ 7 (' \$ 7 (
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PLAN



CROSS - SECTION

SCALE: NOT TO SCALE

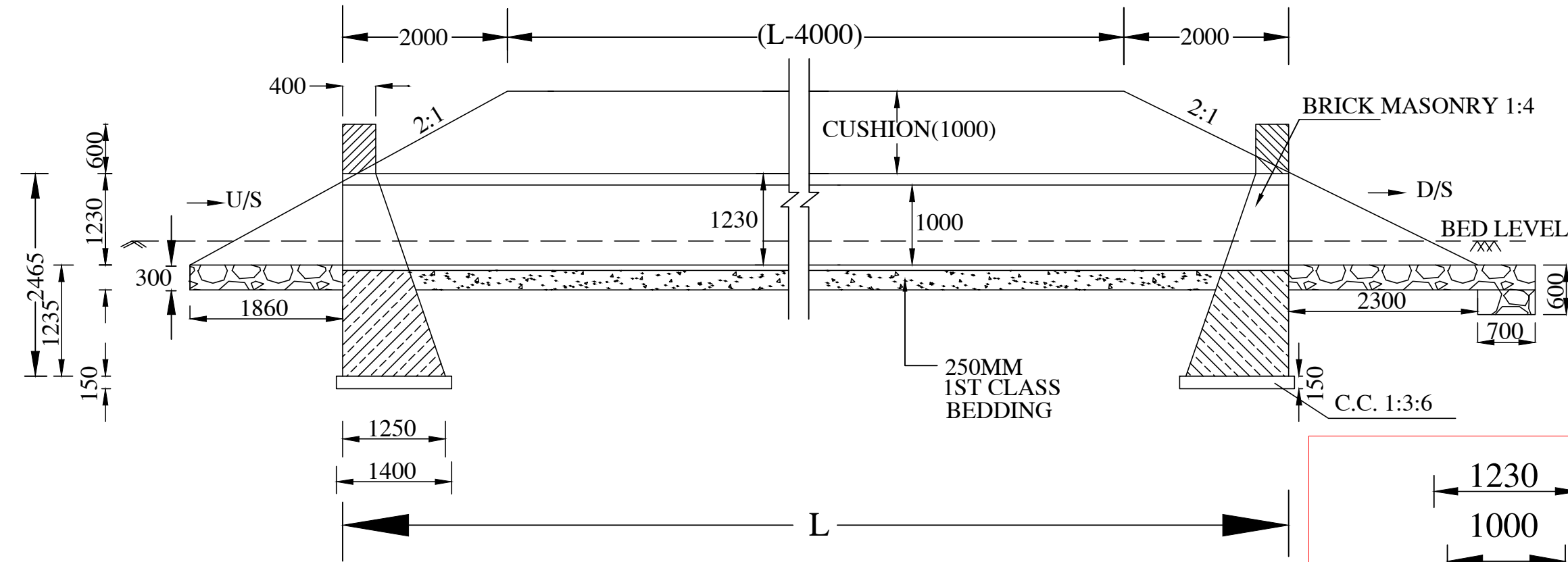
PROJECT TITLE:
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

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

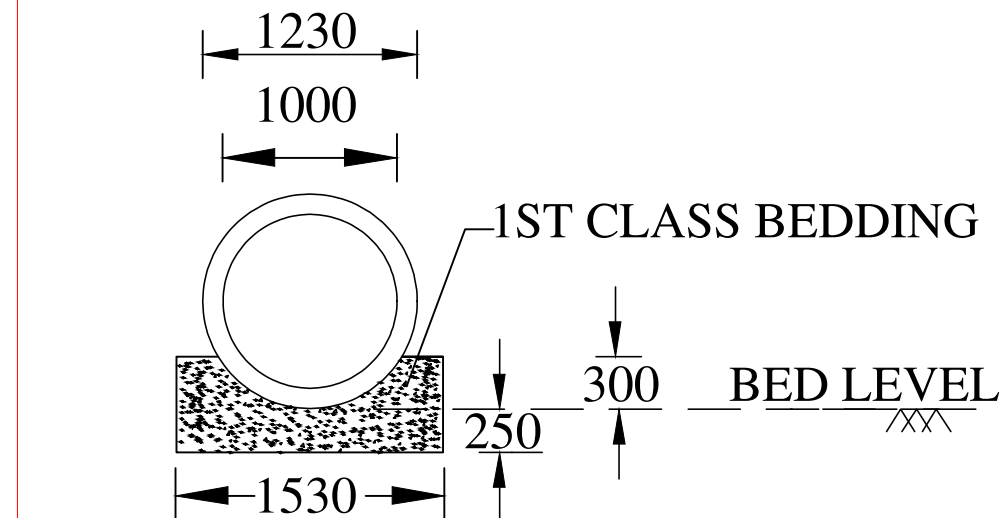
CONSULTANT :
**Shubh**
Consultants & Technocrats LLP

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

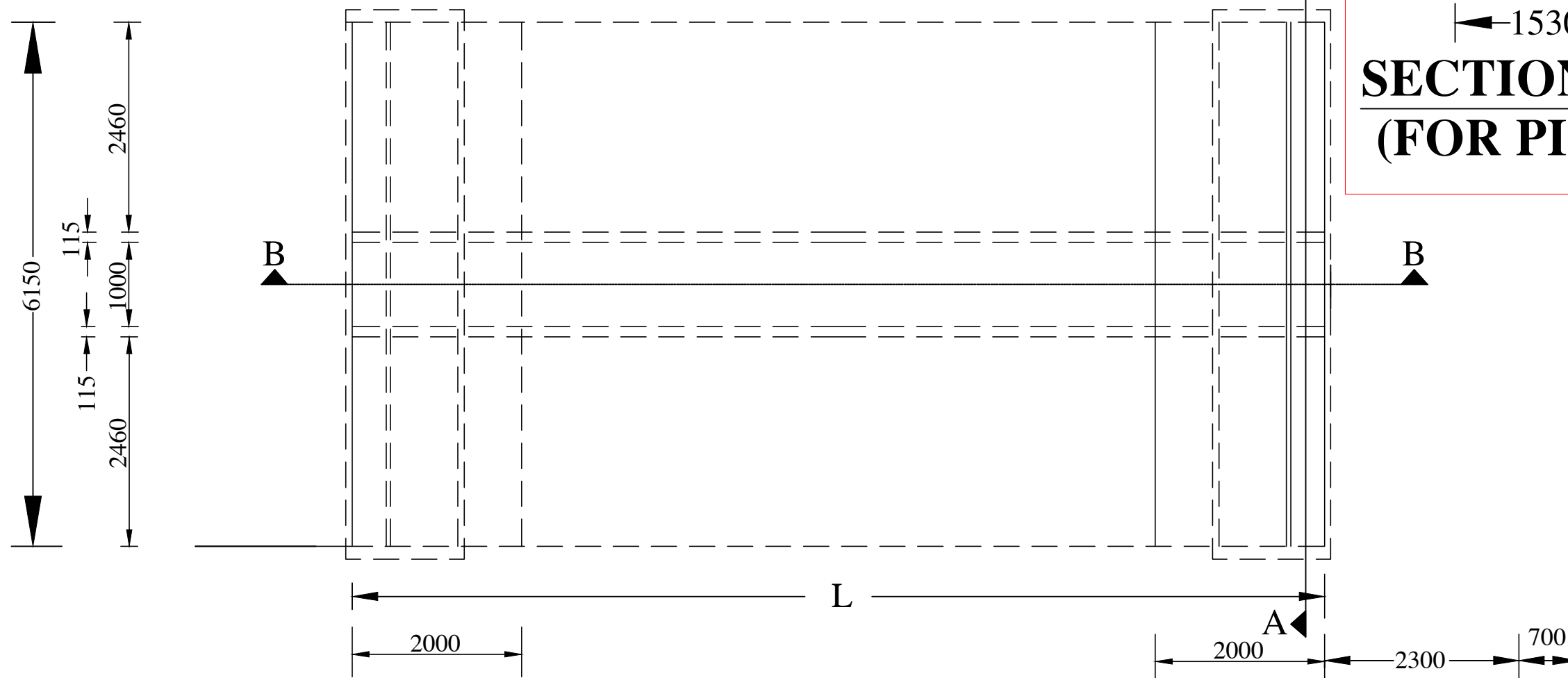
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



SECTION AT B-B



**SECTION AT A-A
(FOR PIPE BED)**



PLAN

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

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
RCC PIPE CULVERT WITH SINGLE PIPE
1 METRE DIA.NP-3
(REF: IRC:SP20)

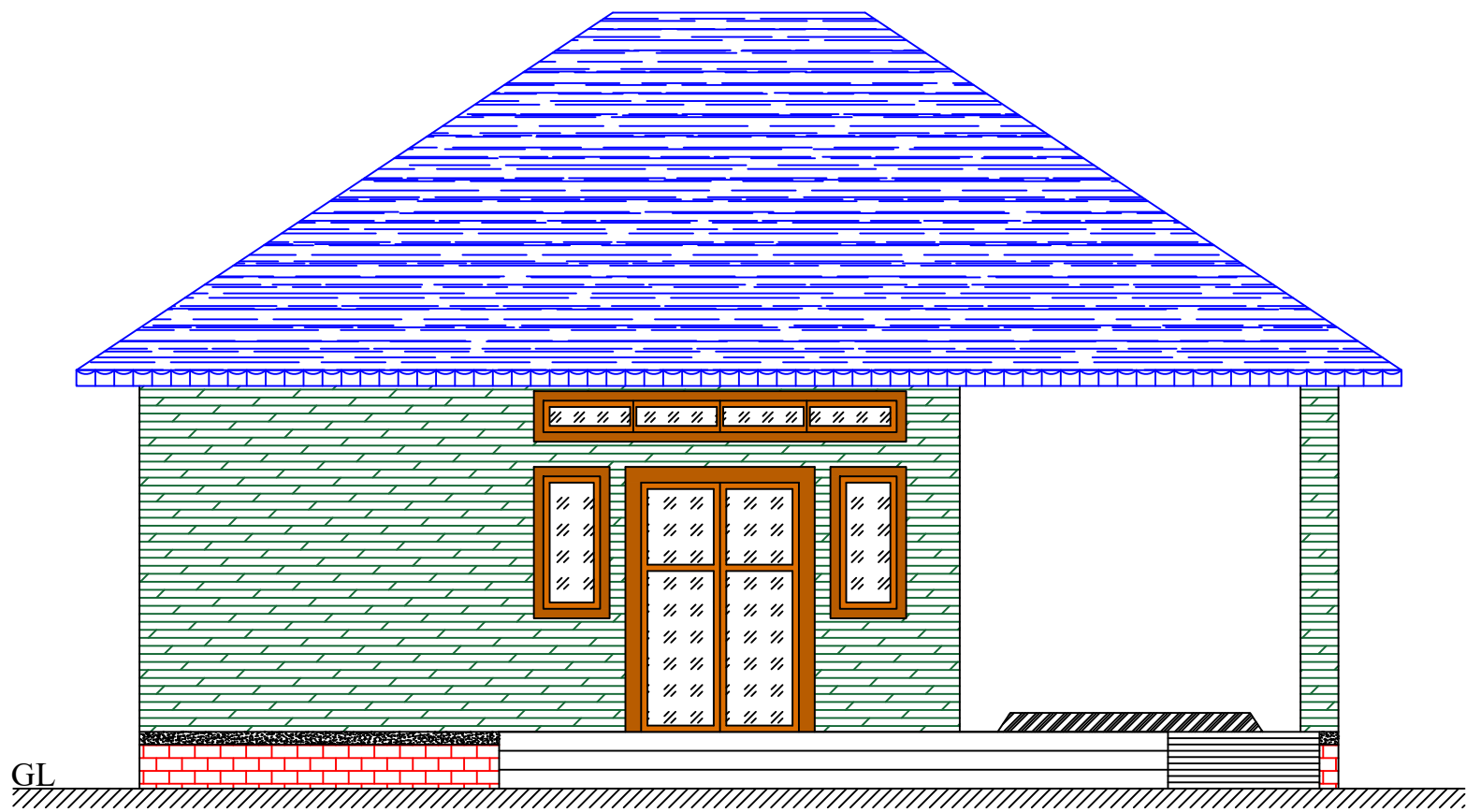
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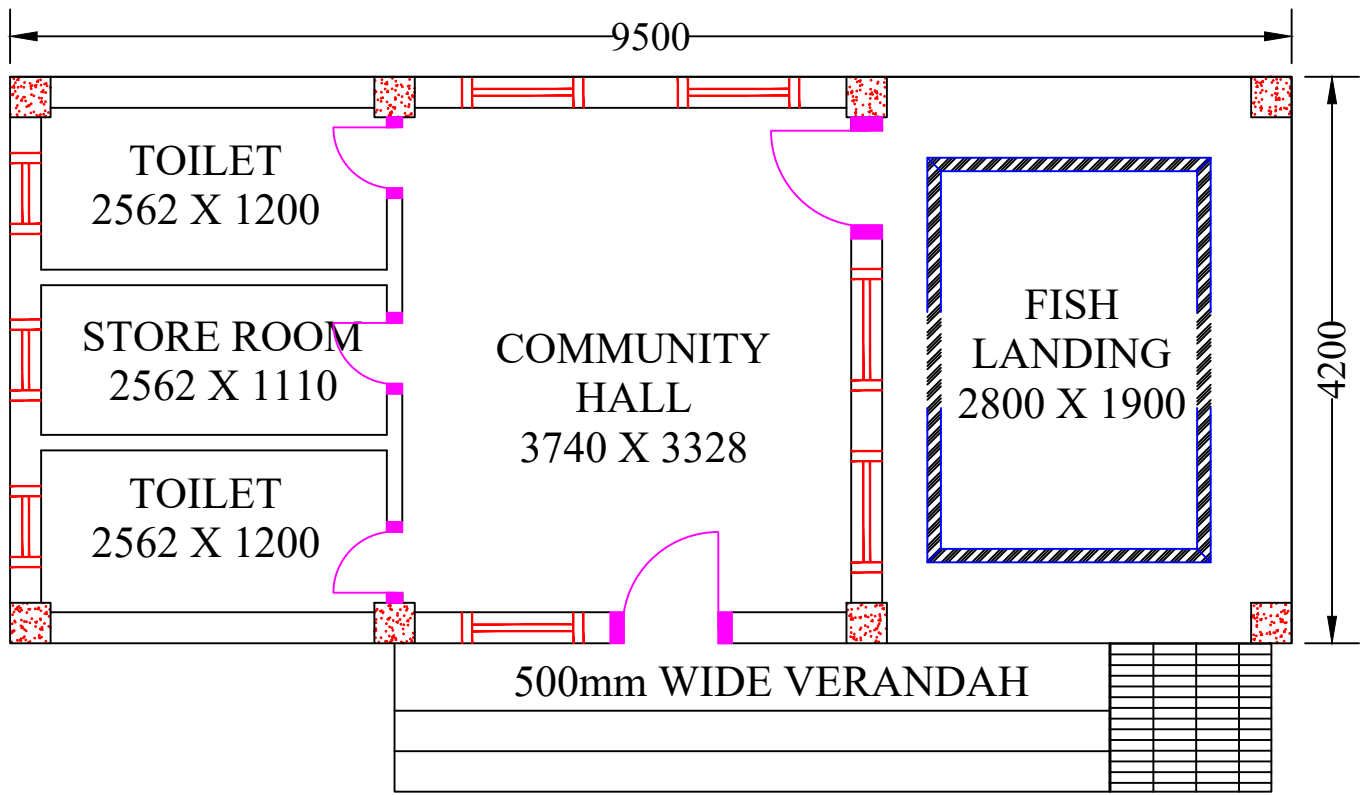
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DATE : **DATE :** **DATE :** **DATE :**

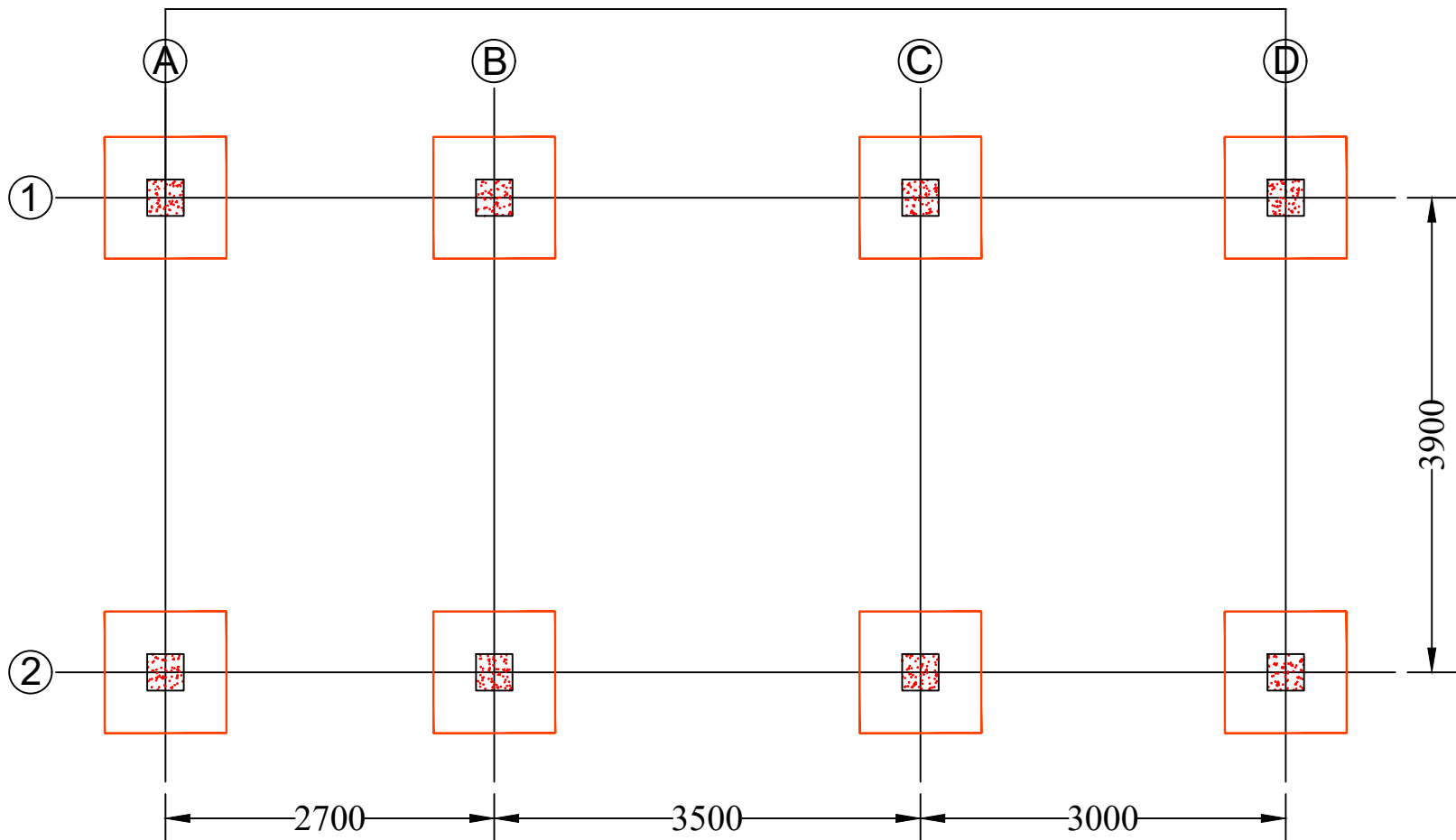
TEAM LEAD **A.E.** **E.E.** **S.E.**



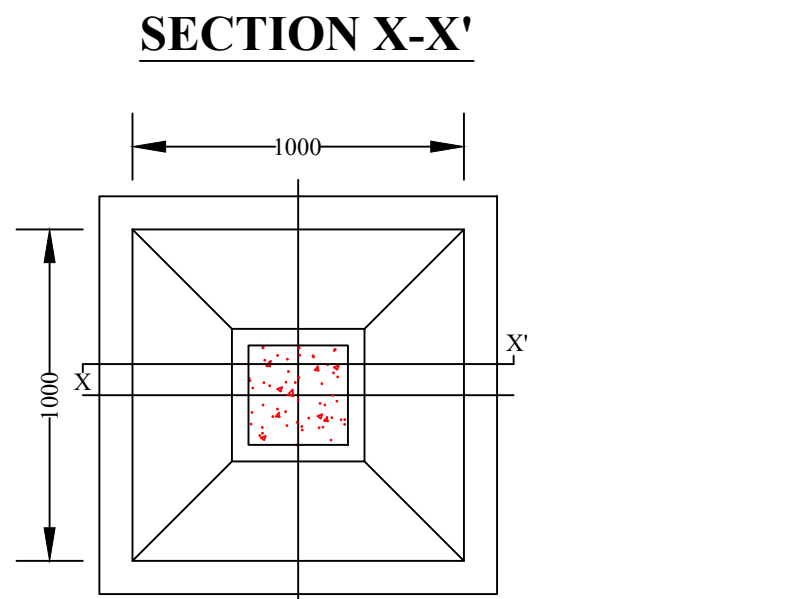
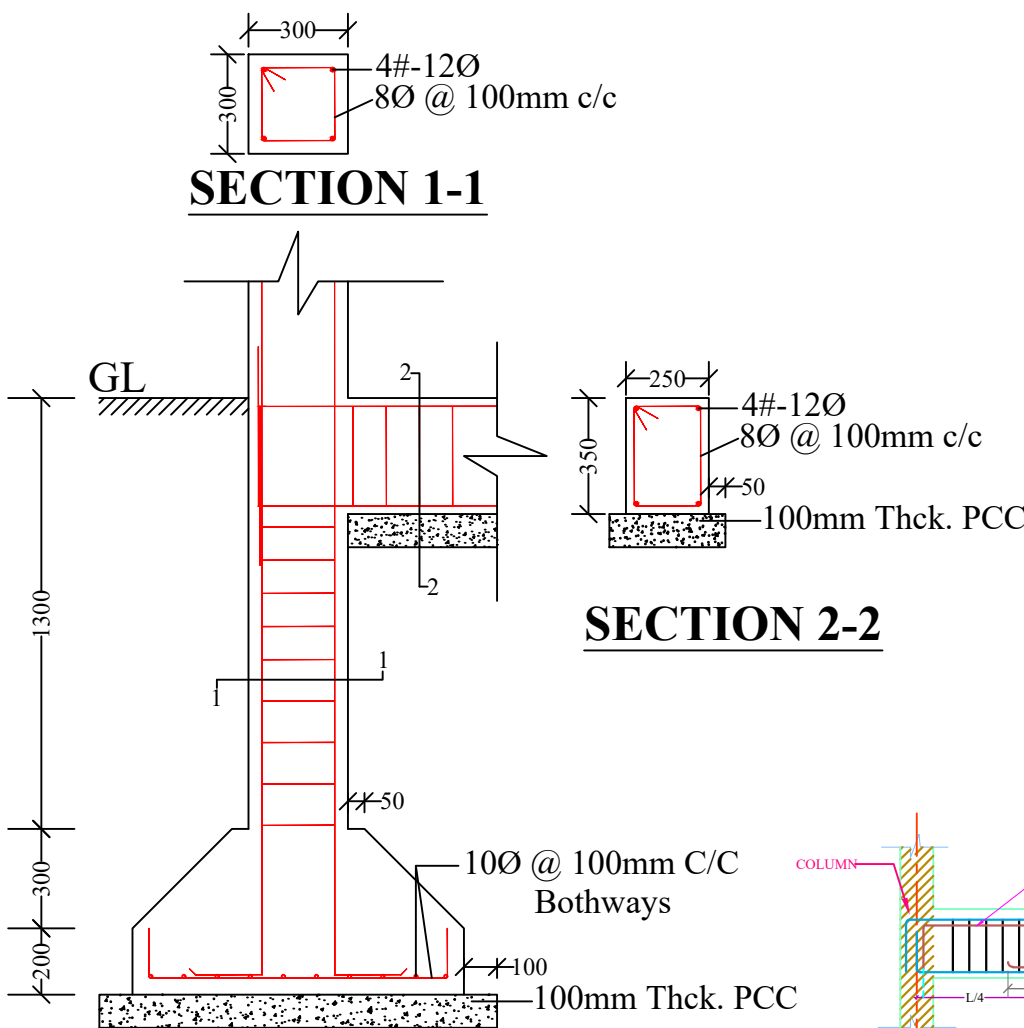
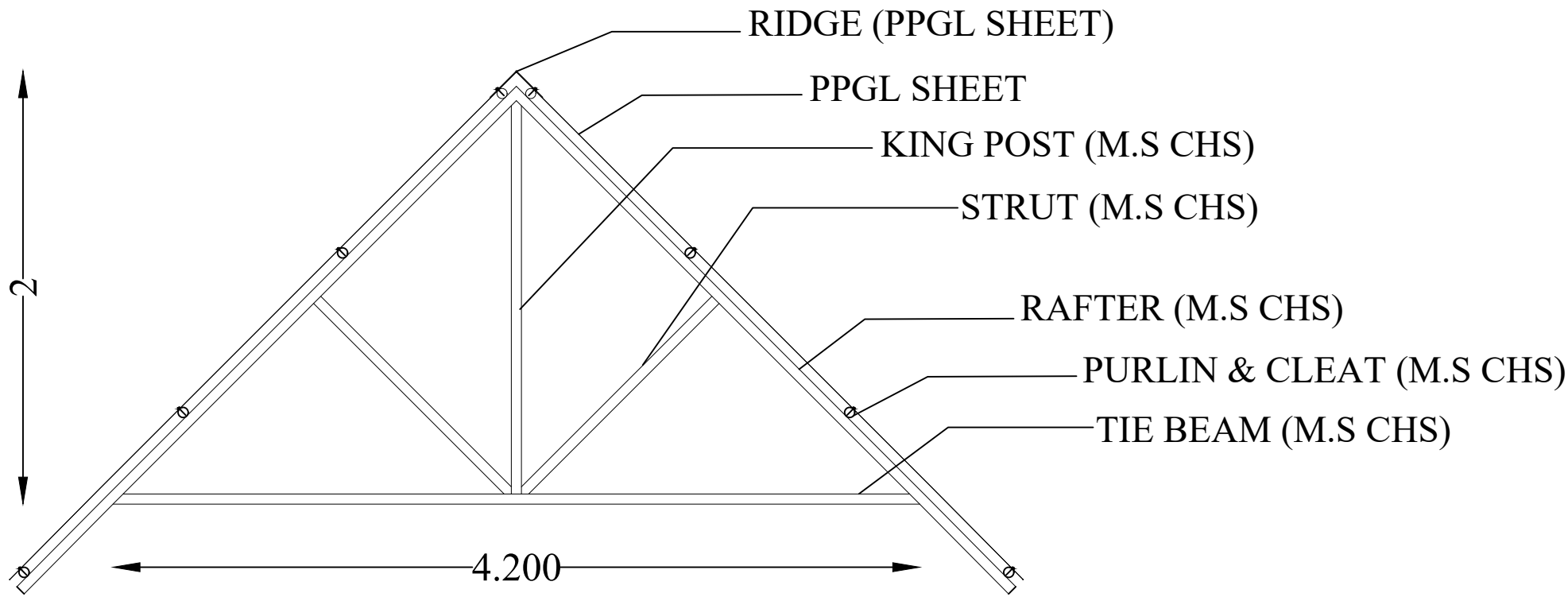
FRONT ELEVATION



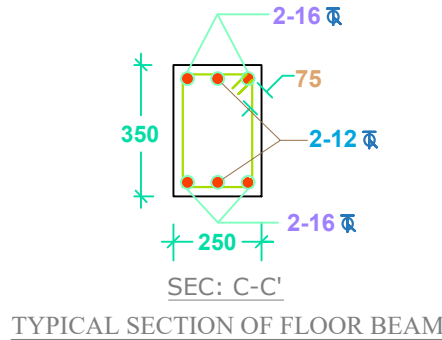
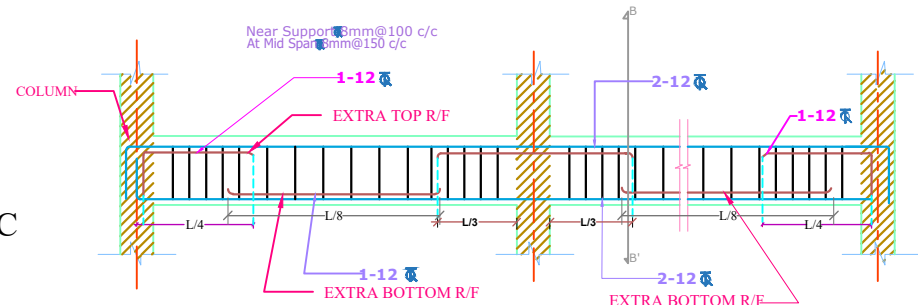
PLAN



FOOTING LAYOUT



FOOTING PLAN



- 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 I.S.456-2000.
 - Maximum size of Coarse Aggregate shall be 20 mm and down graded.
 - Aggregate shall comply with the requirements of I.S.: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

CONSULTANT :
SHUBH CONSULTANTS AND
TECHNOCRATS LLP

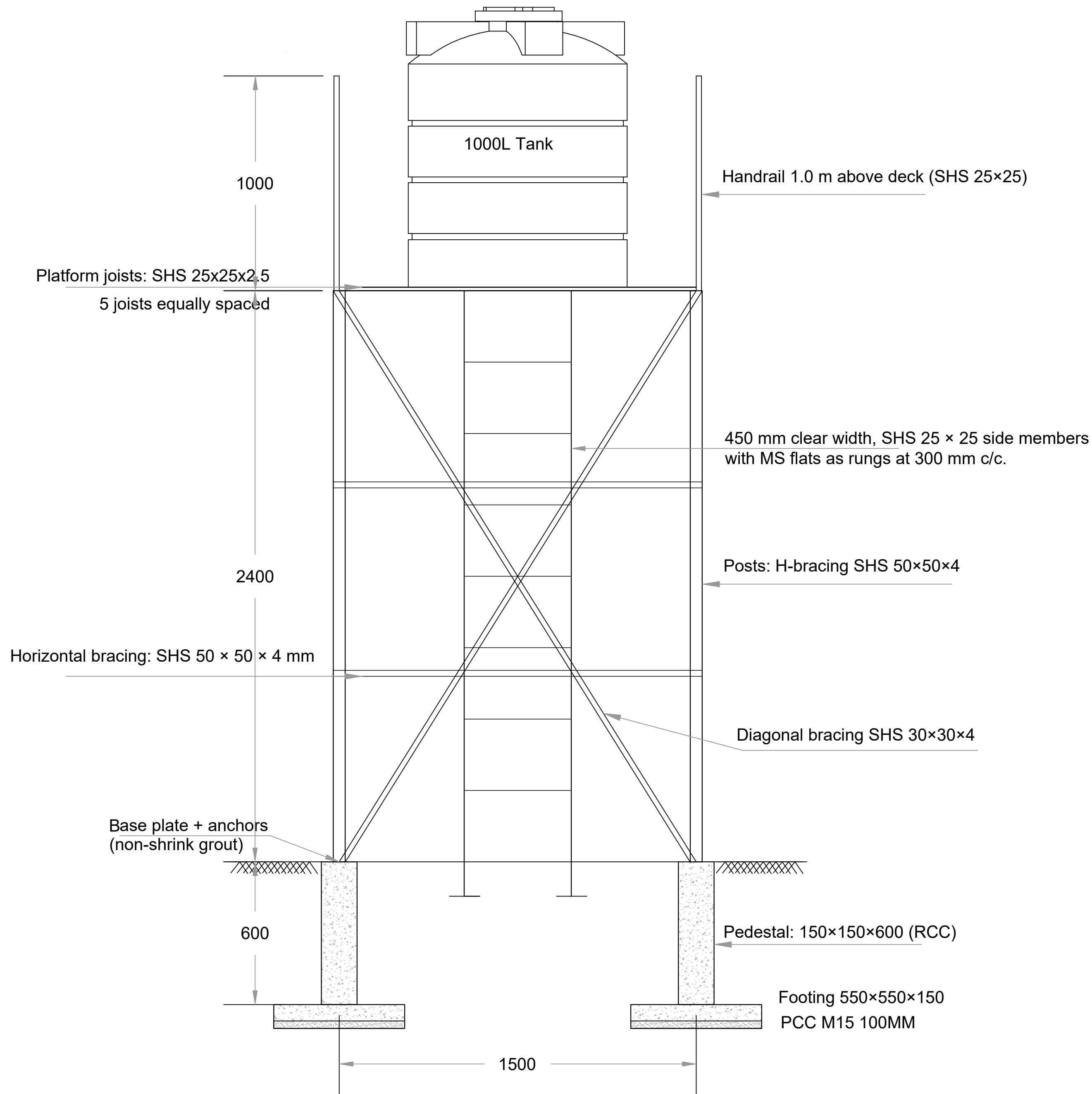
DWG TITLE : STANDARD DRAWING
PLAN & CROSS-SECTION
OF FISH LANDING SHED CUM
COMMUNITY CENTRE

DATE :

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

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

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



GENERAL NOTES –

Drawing Basis

- All dimensions are in millimetres (mm) unless otherwise stated.
- Dimensions shall be verified on site prior to construction; discrepancies to be reported to Engineer-in-Charge.

Concrete Works

- Footing: 550 × 550 × 150 RCC M20 (IS 456, IS 3370).
- Pedestal: 150 × 150 × 600 RCC above footing.
- Provide PCC 1:5:10, 100 mm thick blinding below footings (recommended).
- All reinforcement Fe-500D TMT; cover to reinforcement = 40 mm (footings/pedestals).

Steel Works

- Main posts: SHS 50 × 50 × 4 mm.
- Horizontal bracing: SHS 50 × 50 × 4 mm (at two intermediate levels).
- Diagonal bracing: SHS 30 × 30 × 4 mm.
- Platform joists: 5 nos. SHS 25 × 25 × 2.5 mm at equal spacing.
- Handrail: SHS 25 × 25 × 2.5 mm, 1.0 m high above deck.
- Ladder: 450 mm clear width, SHS 25 × 25 side members with MS flats as rungs at 300 mm c/c.
- All steel to conform to IS 2062; fabrication as per IS 800.

Connections & Base Plates

- Provide MS base plates (10 mm thick) at post bottoms, anchored into pedestal with 4 nos. 16 mm dia foundation bolts, grouted with non-shrink grout.
- Provide stiffener cleats, gusset plates, and welds as per design.
- All bolts/welds to conform to IS 1367/IS 816.

Corrosion Protection & Painting

- Structural steel to receive one coat zinc-rich primer + 2 coats epoxy/polyurethane paint (minimum 100 microns DFT).
- Alternatively, all steel members may be hot-dip galvanized (minimum 80 microns zinc coating).

Tank & Plumbing

- Water tank: 1,000 litres capacity, IS 12701 marked, provided with cover and locking arrangement.

PROJECT TITLE:

Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

CLIENT : ARIAS SOCIETY

**CONSULTANT : SHUBH CONSULTANTS AND
TECHNOCRATS LLP**

DWG TITLE :
STANDARD DRAWING

1000L TANK WITH STAGING

DATE :

CHECKED BY:

SUBMITTED
TO:

RECOMMENDED BY:	
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APPROVED
BY:

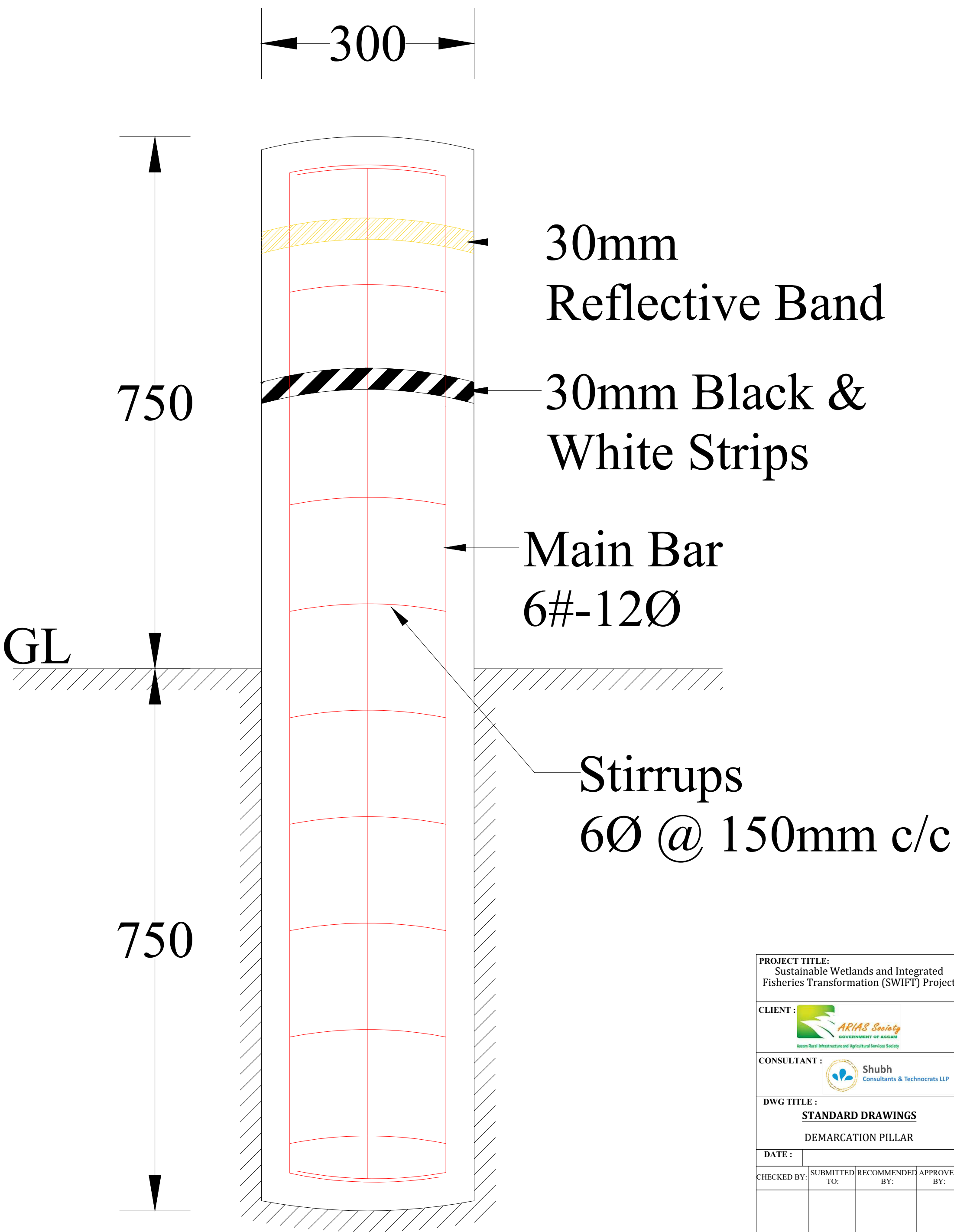
TEAM LEAD



A.E.

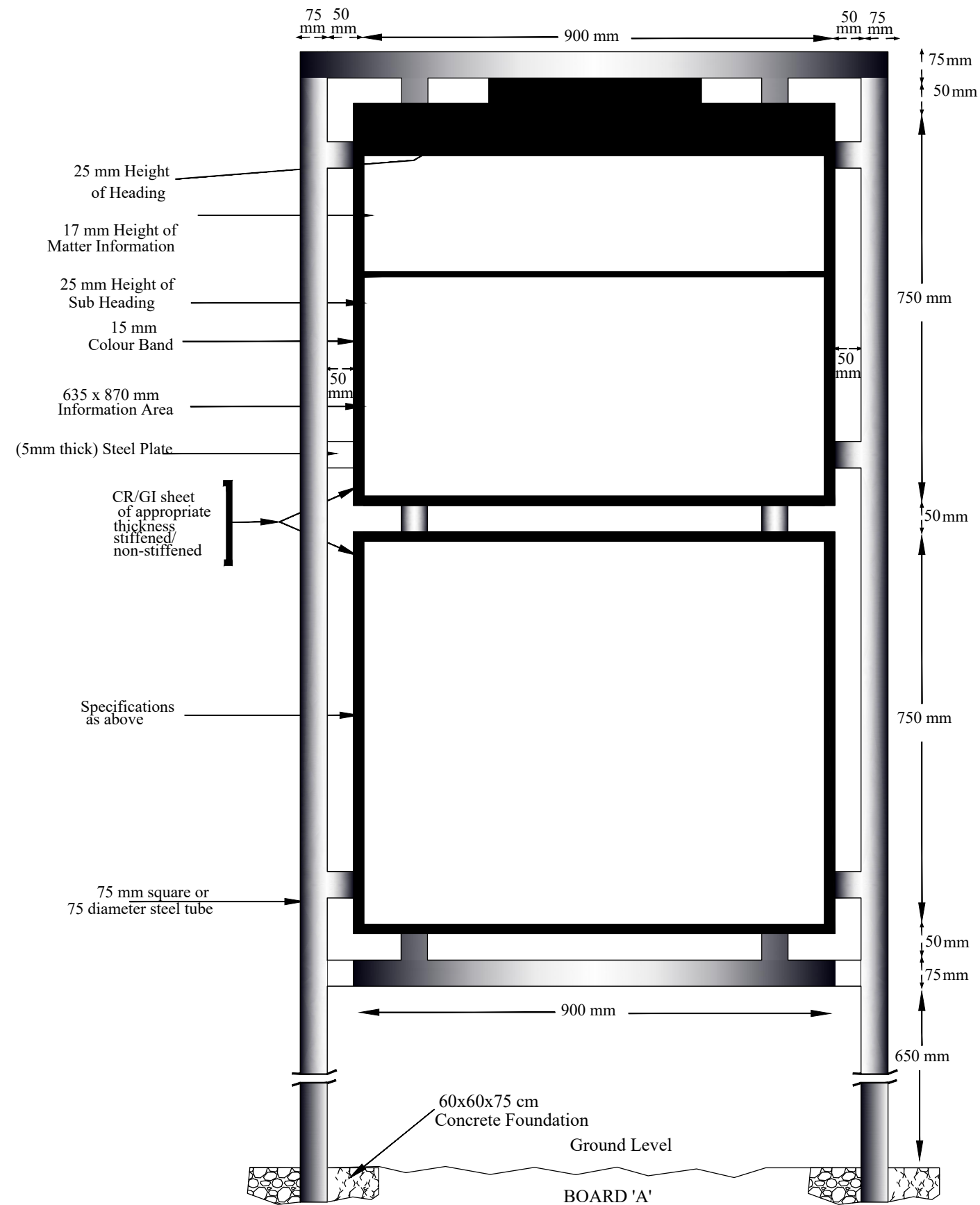
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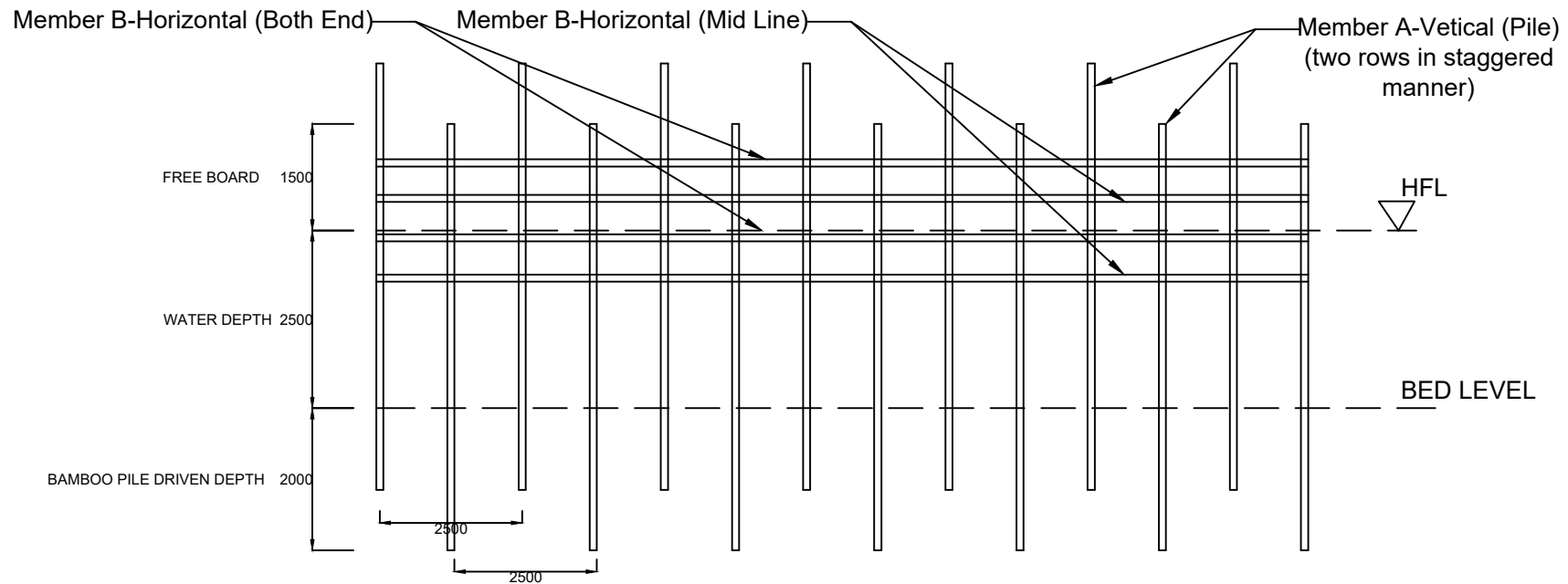
GENERAL ARRANGEMENT DRAWING FOR 1000L TANK WITH STAGING



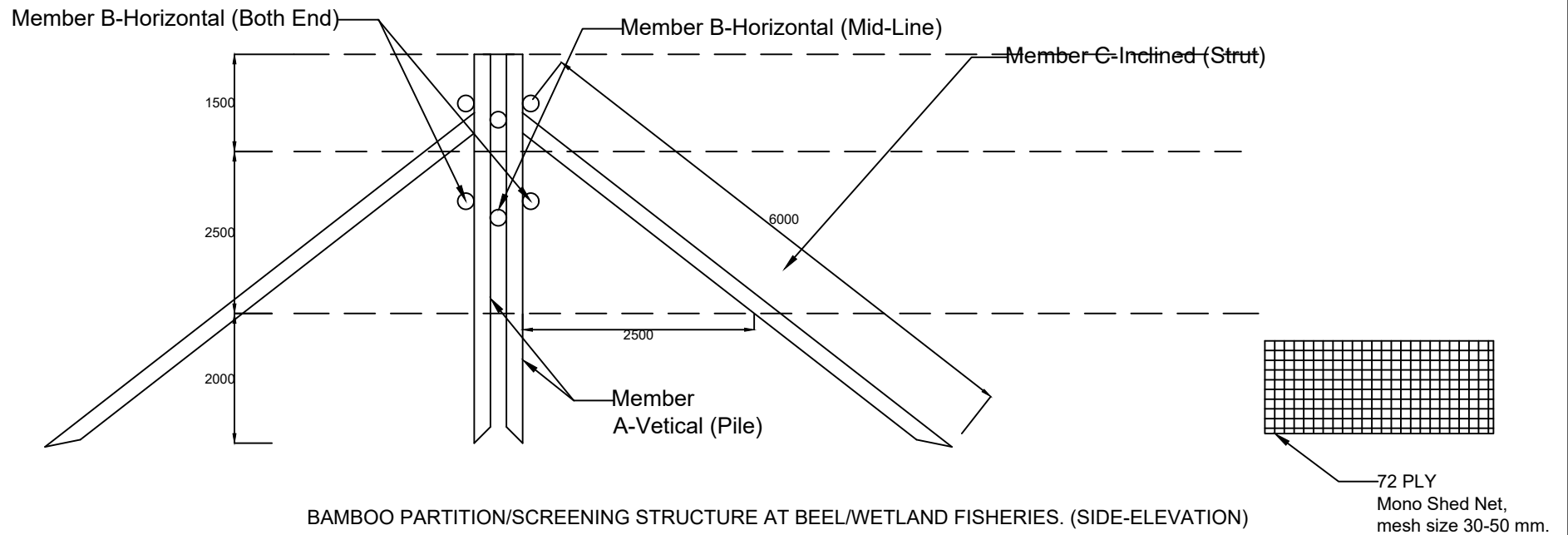
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :  ARIAS Society GOVERNMENT OF ASSAM Assam Rural Infrastructure and Agricultural Services Society			
CONSULTANT :  Shubh Consultants & Technocrats LLP			
DWG TITLE : STANDARD DRAWINGS DEMARICATION PILLAR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

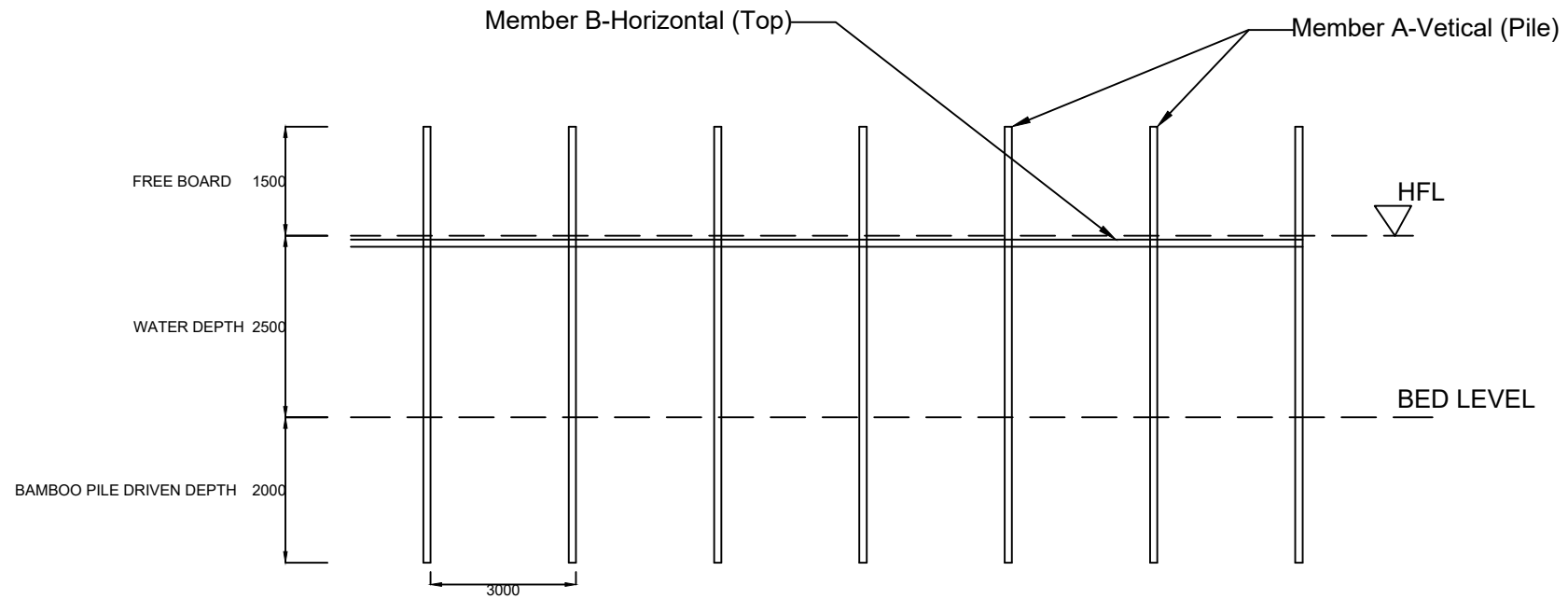


PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : ARIAS SOCIETY			
CONSULTANT : SHUBH CONSULTANTS AND TECHNOCRATS LLP			
DWG TITLE : STANDARD DRAWING INFORMATION BOARD			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
TEAM LEAD	A.E.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

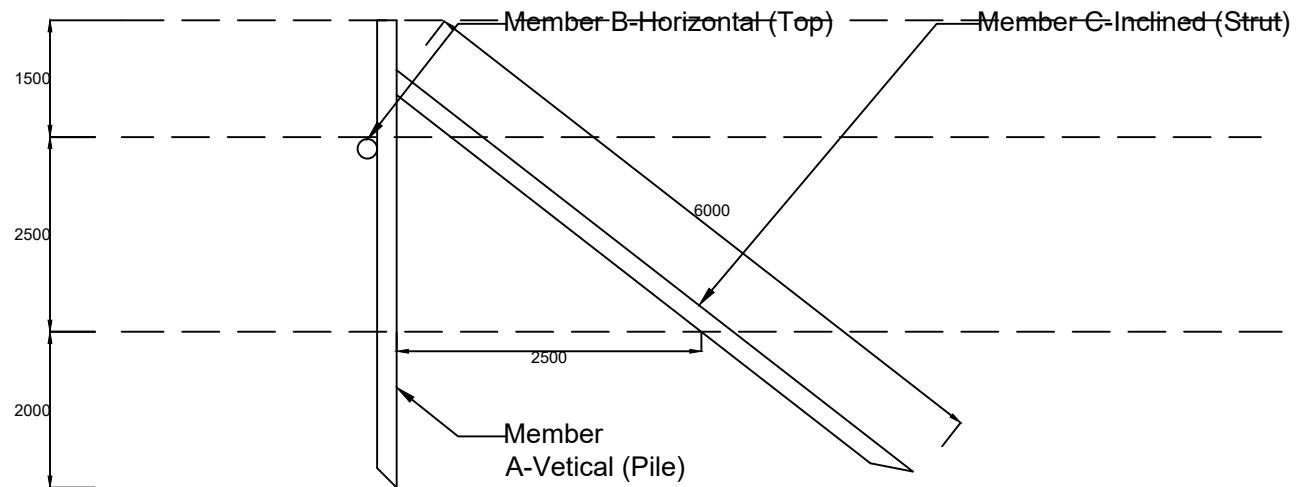


BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)

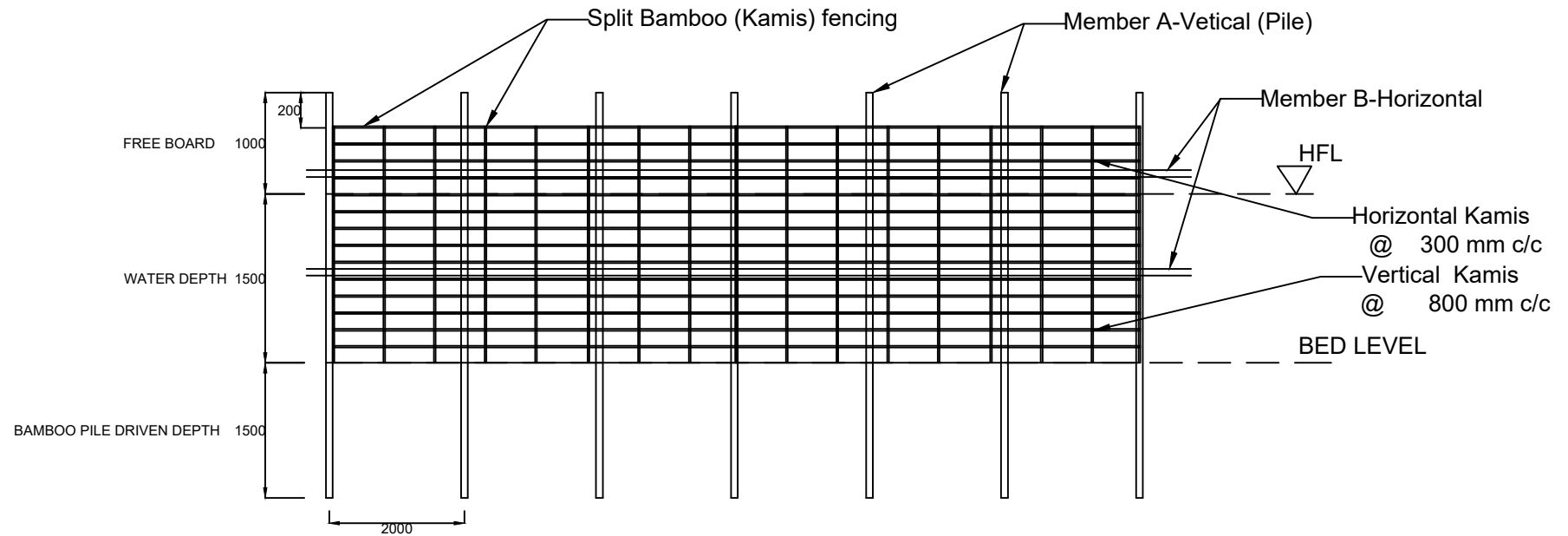




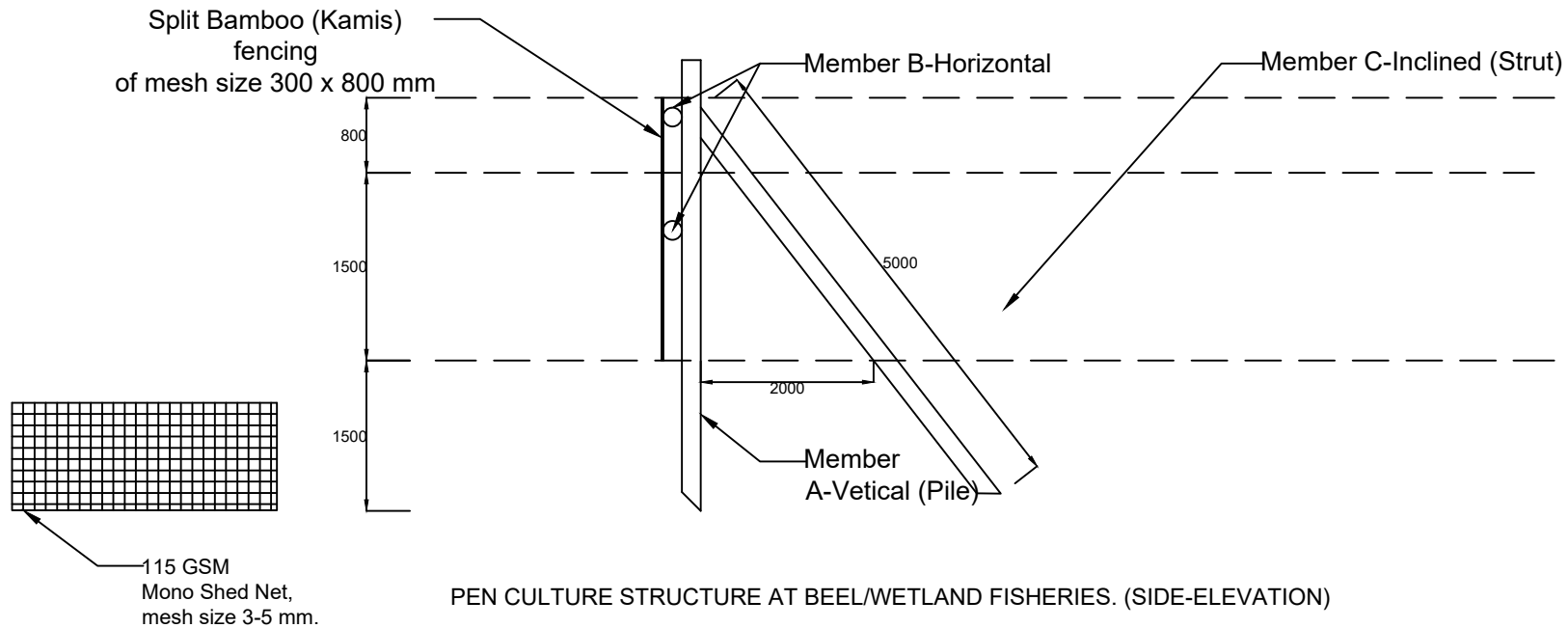
KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



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



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



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