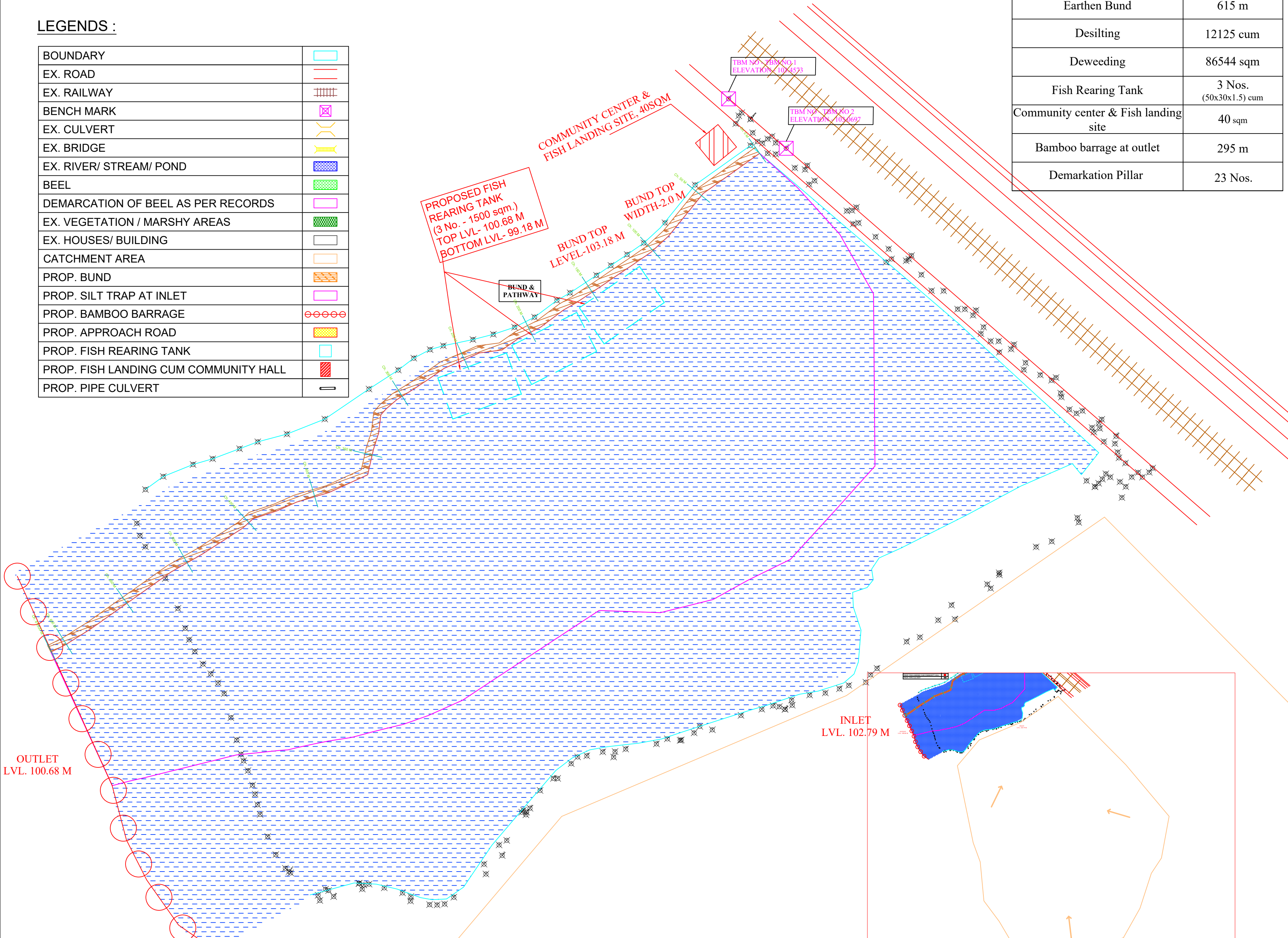


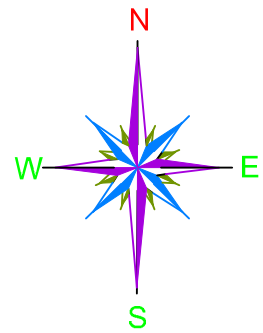
MASTER PLAN LAYOUT OF BHULKAGURI RADHONI BEEL

LEGENDS :

BOUNDARY	
EX. ROAD	
EX. RAILWAY	
BENCH MARK	
EX. CULVERT	
EX. BRIDGE	
EX. RIVER/ STREAM/ POND	
BEEL	
DEMARCATON OF BEEL AS PER RECORDS	
EX. VEGETATION / MARSHY AREAS	
EX. 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	

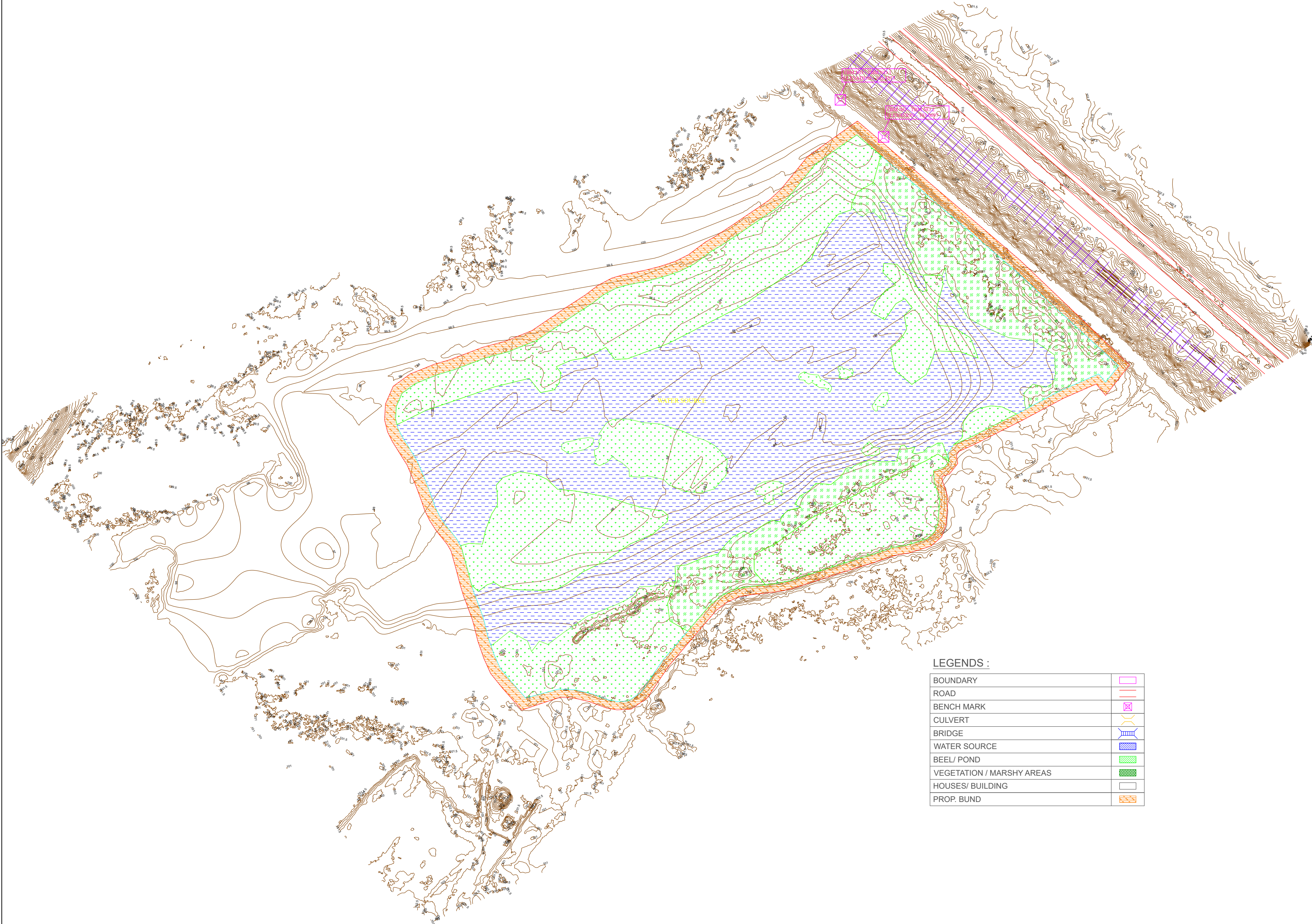


PROPOSED WORKS	
DESCRIPTION OF WORK	SPECIFICATION
Earthen Bund	615 m
Desilting	12125 cum
Deweeding	86544 sqm
Fish Rearing Tank	3 Nos. (50x30x1.5) cum
Community center & Fish landing site	40 sqm
Bamboo barrage at outlet	295 m
Demarkation Pillar	23 Nos.



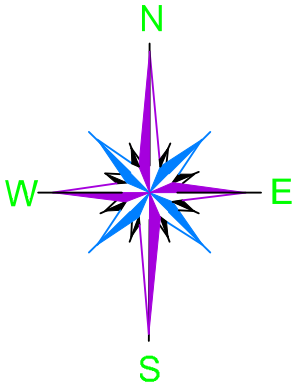
PACKAGE NO.:			
02			
NAME OF THE BEEL:			
BHULKAGURI BEEL			
DEVELOPMENT BLOCK:			
SISSIBORGAON			
REVENUE VILLAGE:			
BHALUKAGURI DAMBUK			
DISTRICT:			
DHEMAJI			
AREA (Ha):			
11 Ha			
PROJECT TITLE:			
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
			
CONSULTANT :			
			
DWG TITLE :			
MASTER PLAN LAYOUT OF BHALUKAGURI BEEL			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
E.E.	E.E.	E.E.	S.E.

CONTOUR MAP WITH BATHYMETRIC LEVELS OF BHULKAGURI BEEL



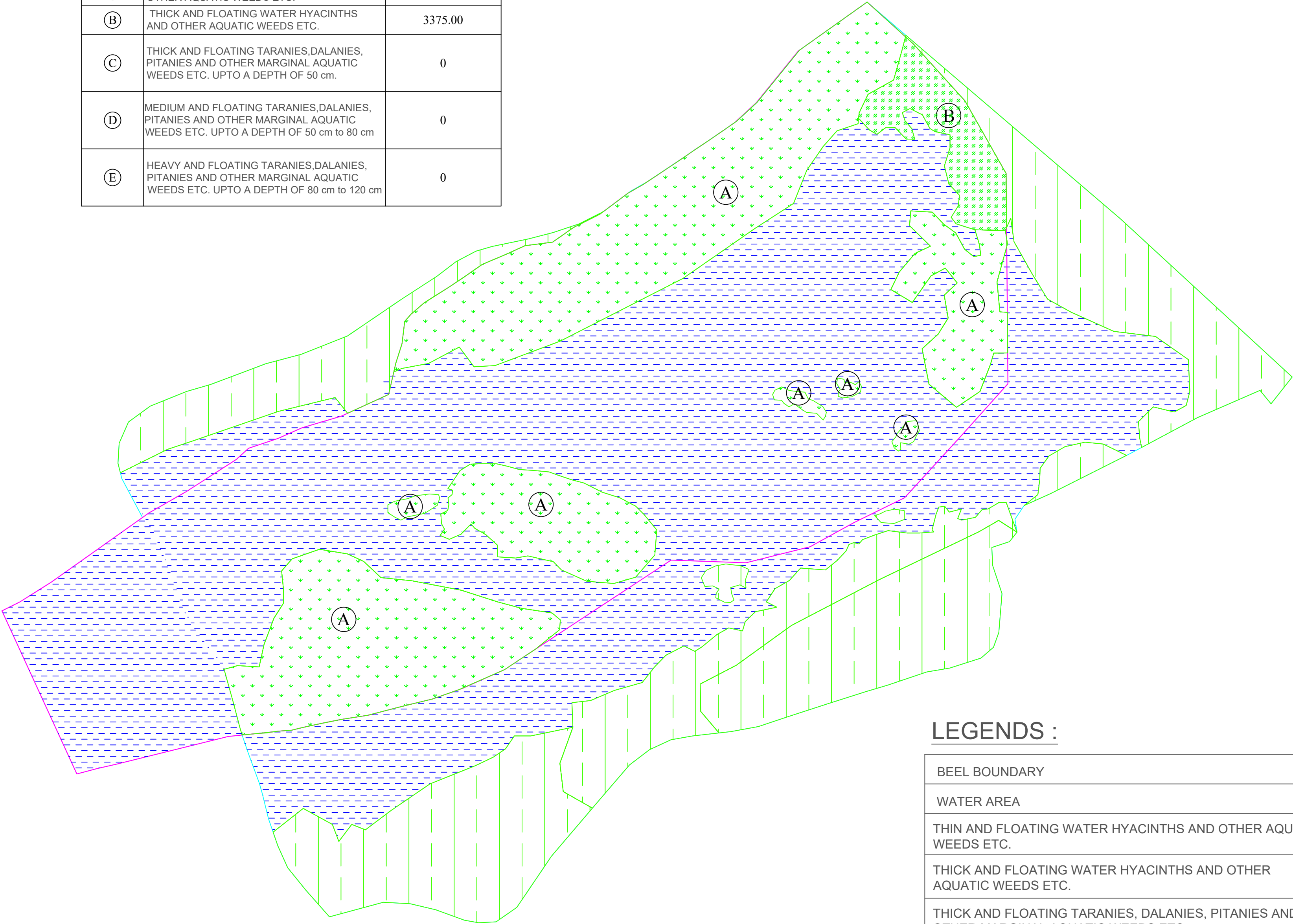
LEGENDS :

BOUNDARY	
ROAD	
BENCH MARK	
CULVERT	
BRIDGE	
WATER SOURCE	
BEEL/ POND	
VEGETATION / MARSHY AREAS	
HOUSES/ BUILDING	
PROP. BUND	



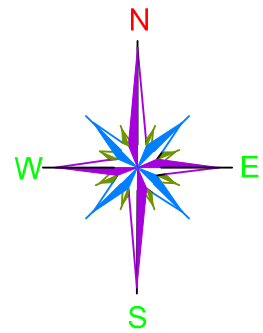
PACKAGE NO.:	02		
NAME OF THE BEEL:	BHULKAGURI BEEL		
DEVELOPMENT BLOCK:	SISSIBORGAON		
REVENUE VILLAGE:	BHALUKAGURI DAMBUK		
DISTRICT:	DHEMAJI		
AREA (Ha):	11 Ha		
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project		
CLIENT :	 ARIAS Society GOVERNMENT OF ASSAM Assam Rural Infrastructure and Agricultural Services Society		
CONSULTANT :	 Shubh Consultants & Technocrats LLP		
DWG TITLE :	CONTOUR MAP WITH BATHYMETRIC LEVELS OF BHULKAGURI BEEL		
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

AREA DETAILS		
SYMBOL	DESCRIPTION	AREA (Sq. m)
Ⓐ	THIN AND FLOATING WATER HYACINTHS AND OTHER AQUATIC WEEDS ETC.	37462.00
Ⓑ	THICK AND FLOATING WATER HYACINTHS AND OTHER AQUATIC WEEDS ETC.	3375.00
Ⓒ	THICK AND FLOATING TARANIES,DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm.	0
Ⓓ	MEDIUM AND FLOATING TARANIES,DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm to 80 cm	0
Ⓔ	HEAVY AND FLOATING TARANIES,DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 80 cm to 120 cm	0



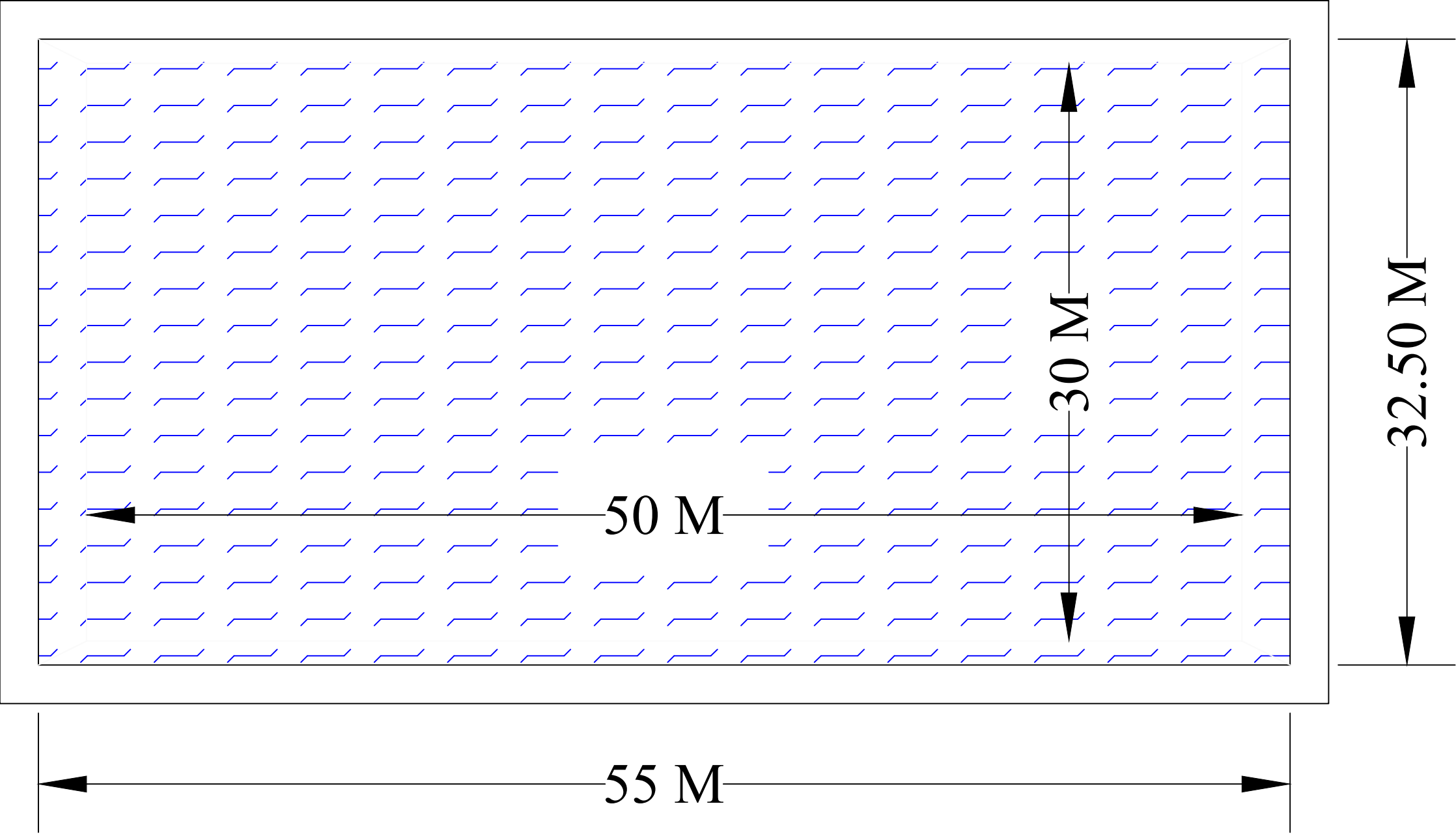
LEGENDS :

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.	

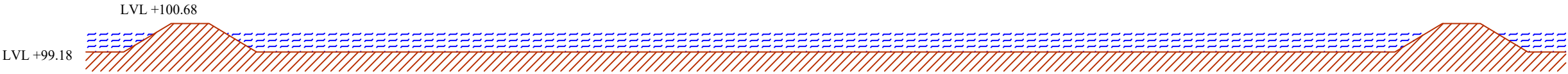


PACKAGE NO.:			
02			
NAME OF THE BEEL:			
BHULKAGURI BEEL			
DEVELOPMENT BLOCK:			
SISSIBORGAON			
REVENUE VILLAGE:			
BHALUKAGURI DAMBUK			
DISTRICT:			
DHEMAJI			
AREA (Ha):			
11 Ha			
PROJECT TITLE:			
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
			
CONSULTANT :			
			
DWG TITLE :			
VEGETAION LAYOUT OF BHALUKAGURI 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 REARING TANK

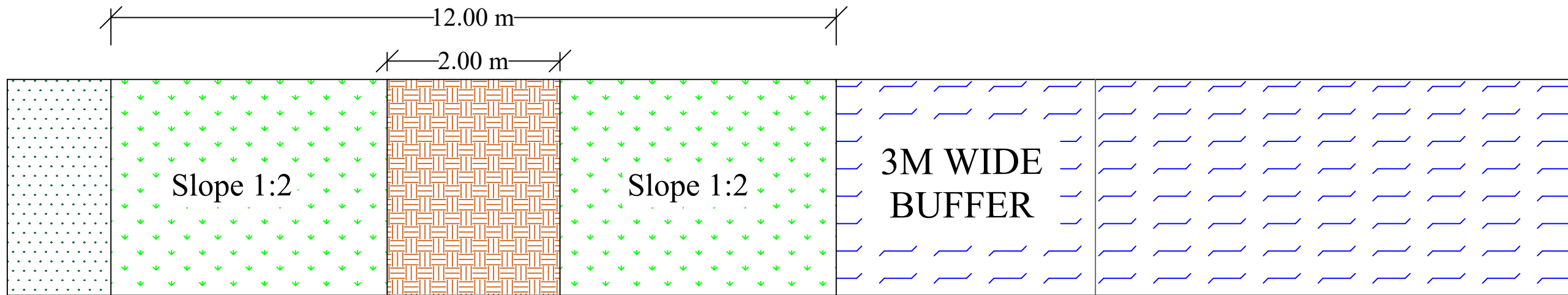


PLAN

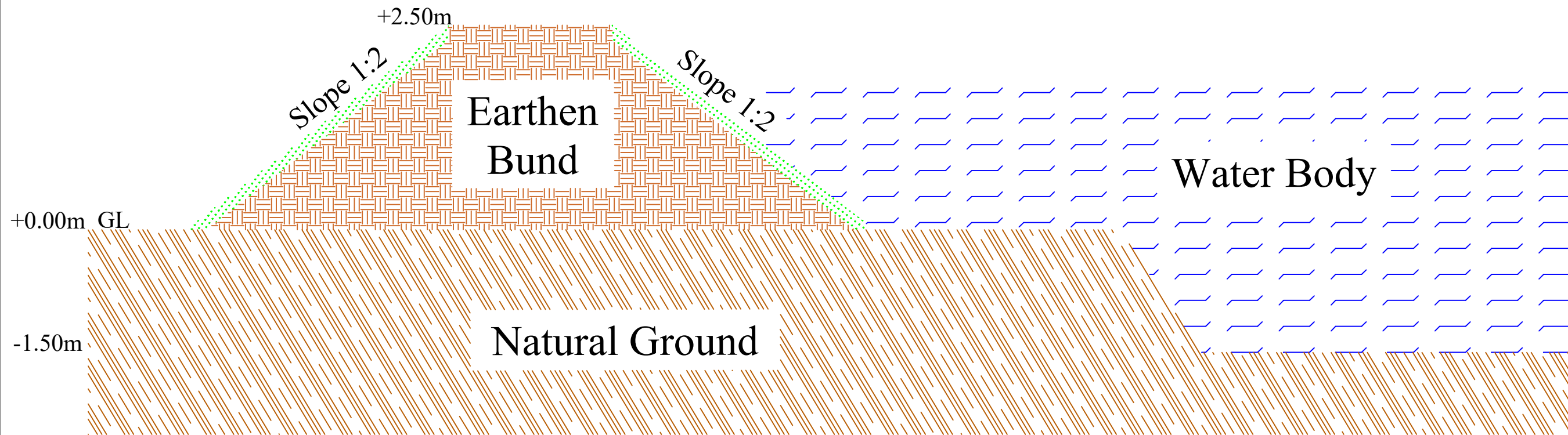


SECTION

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 & SECTION OF REARING TANK OF 1500 SQM			
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

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

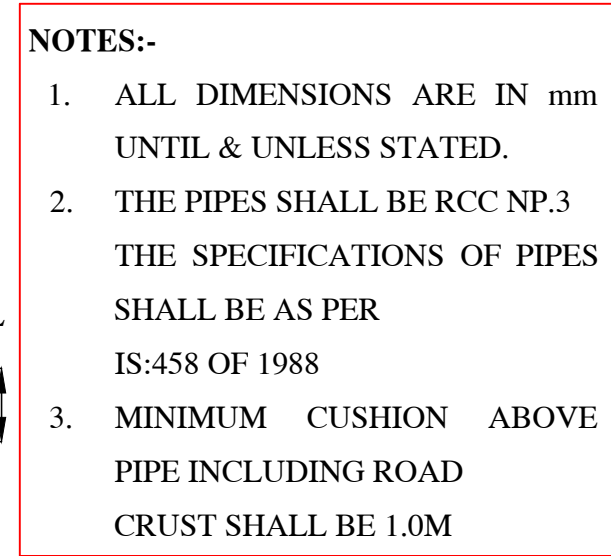
DATE :

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

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DATE :	DATE :	DATE :	DATE :
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TEAM LEAD	A.E.	E.E.	S.E.
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The diagram illustrates the cross-section of a pipe bed. A circular pipe is shown resting on a bedding layer. The bedding layer is labeled "1ST CLASS BEDDING" and has a thickness of 300. Below the bedding layer is the "BED LEVEL", indicated by a dashed line. The total width of the bedding layer is 1530. The width of the pipe is 1230. The distance from the center of the pipe to the edge of the bedding layer is 1000. The distance from the center of the pipe to the edge of the bedding layer is 250. The distance from the center of the pipe to the edge of the bedding layer is 300.

SECTION AT A-A
(FOR PIPE BED)



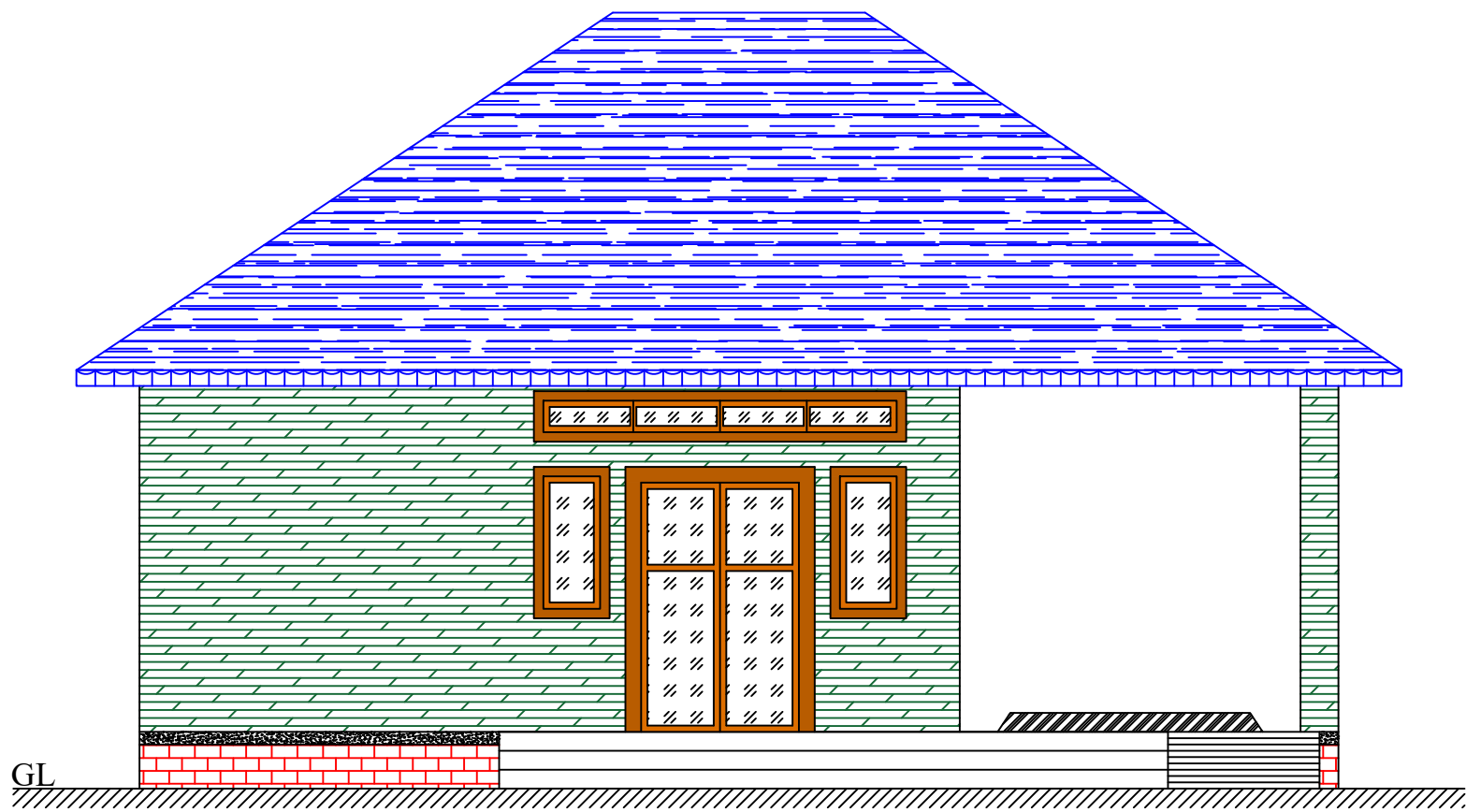
PROJECT TITLE:
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

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

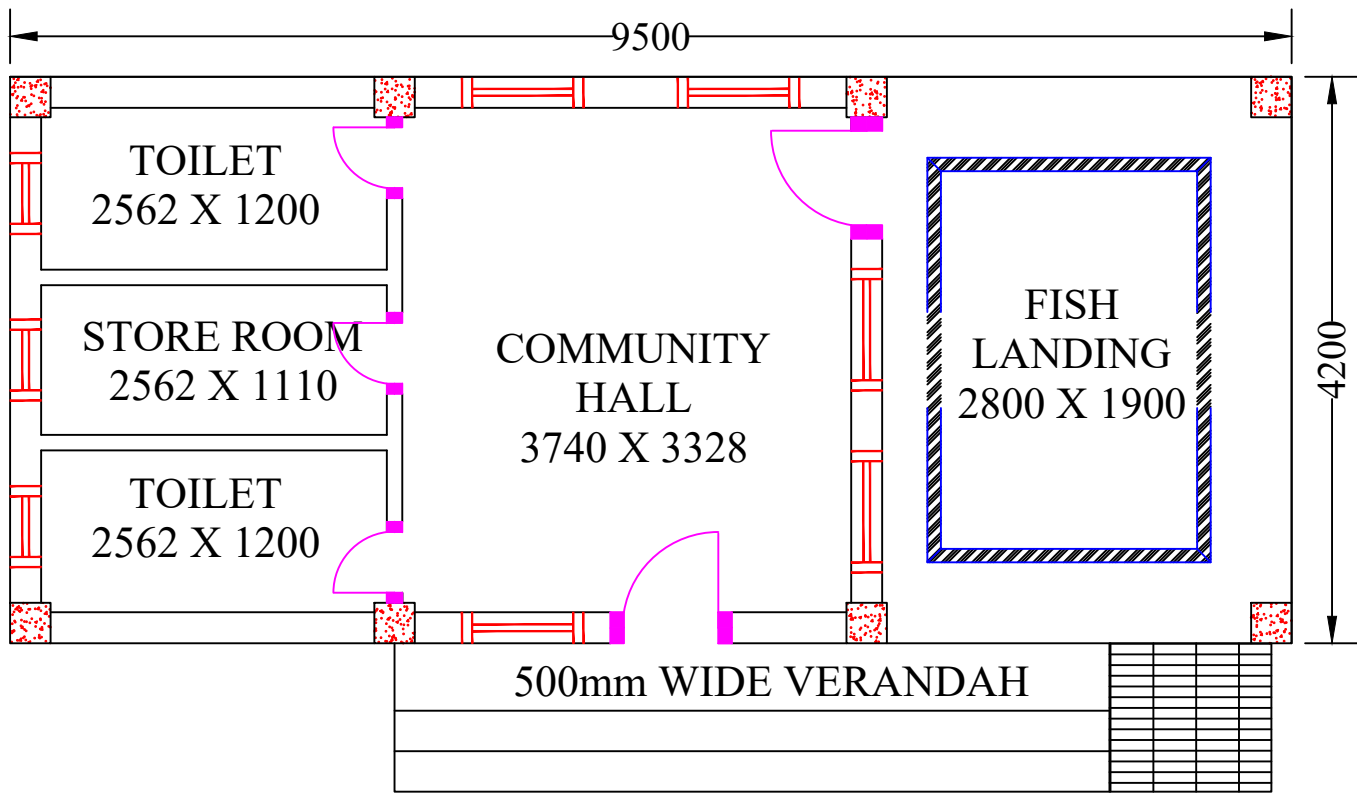
CONSULTANT :  **Shubh**
Consultants & Technocrats LLP

DWG TITLE :
STANDARD DRAWING
RCC PIPE CULVERT WITH SINGLE PIPE
1 METRE DIA,NP-3
(REF: IRC:SP20)

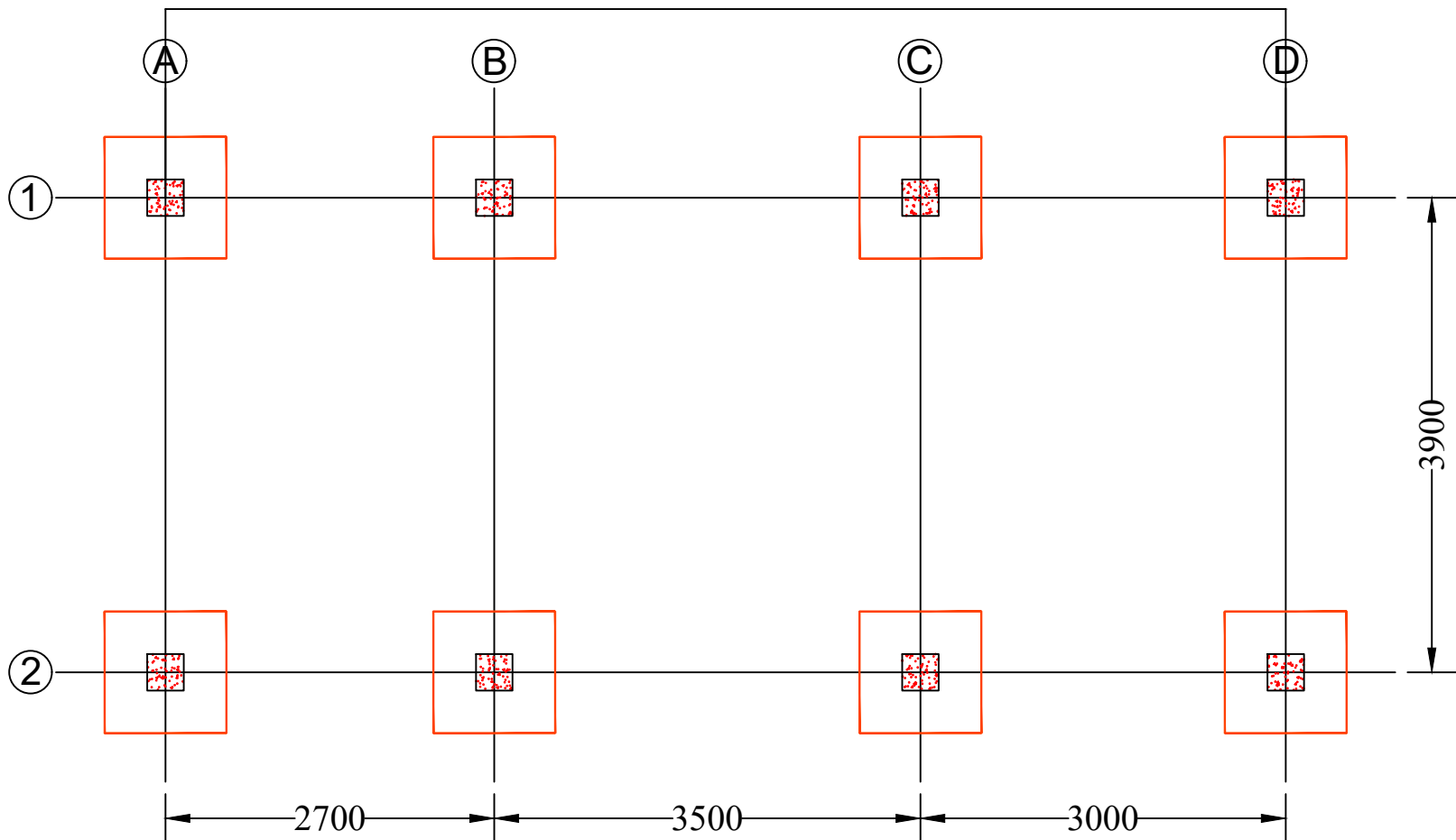
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



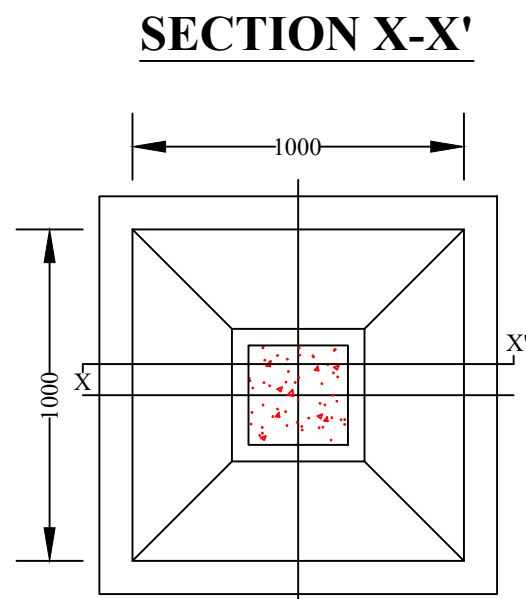
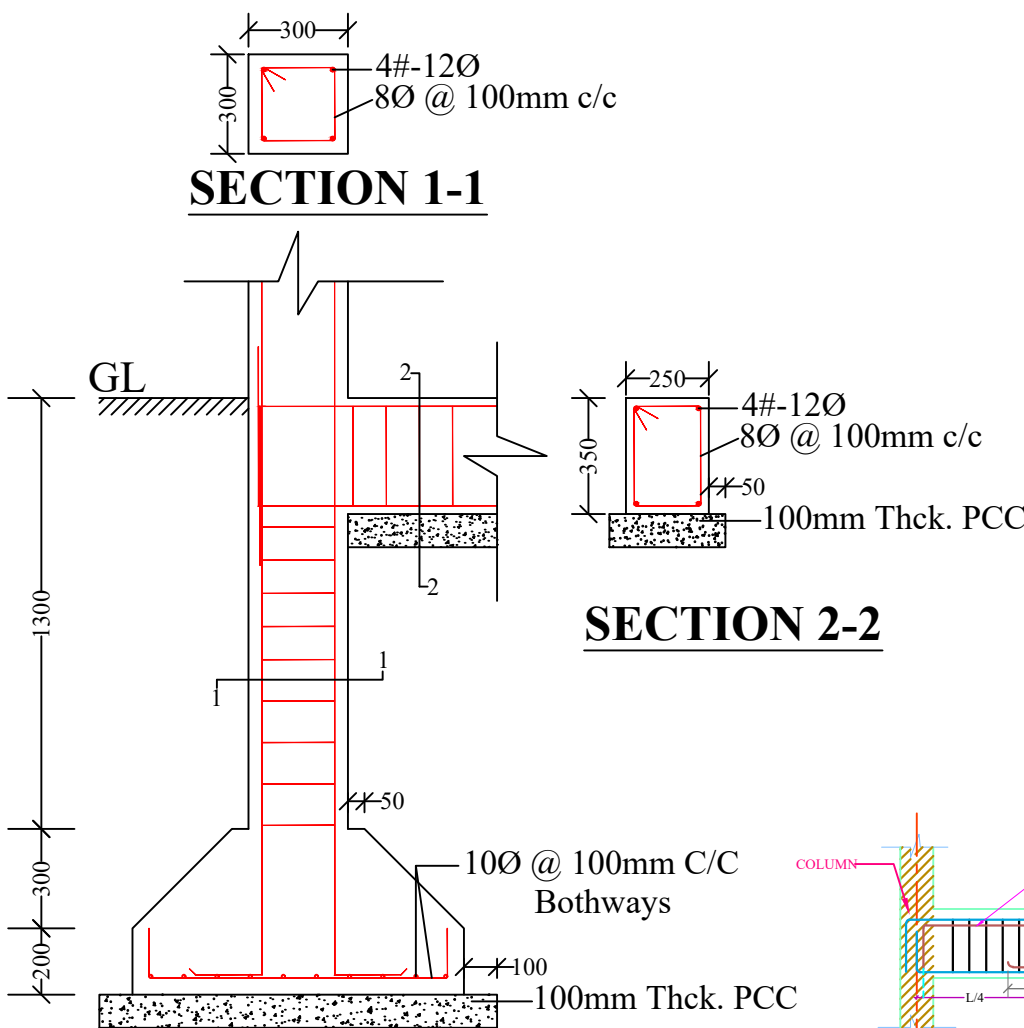
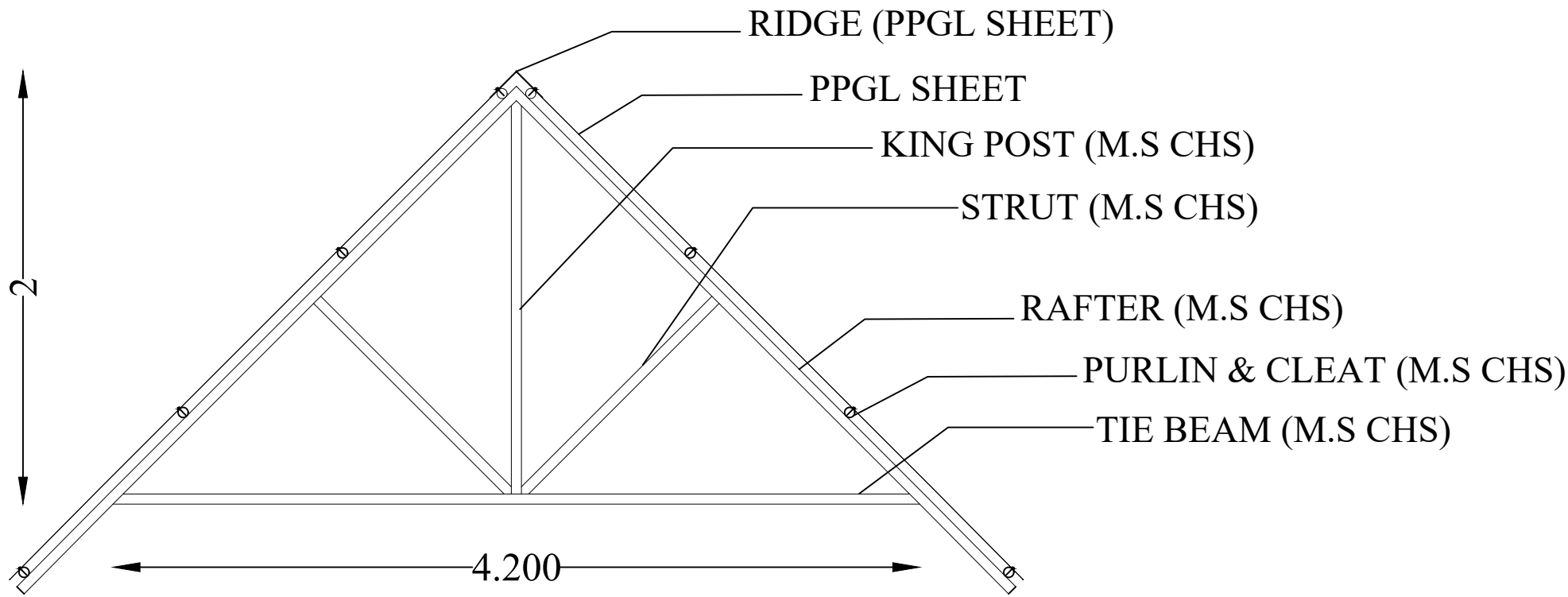
FRONT ELEVATION



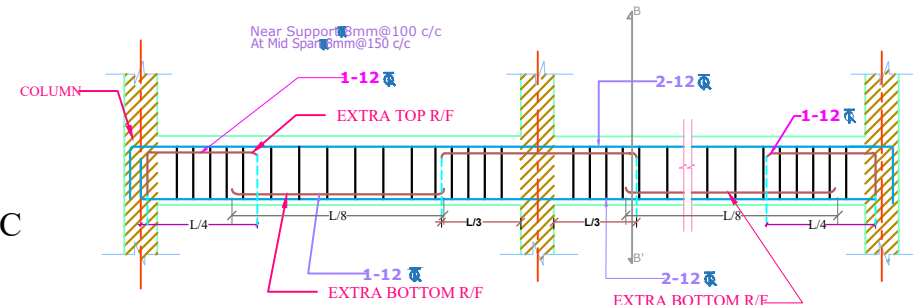
PLAN



FOOTING LAYOUT



FOOTING PLAN



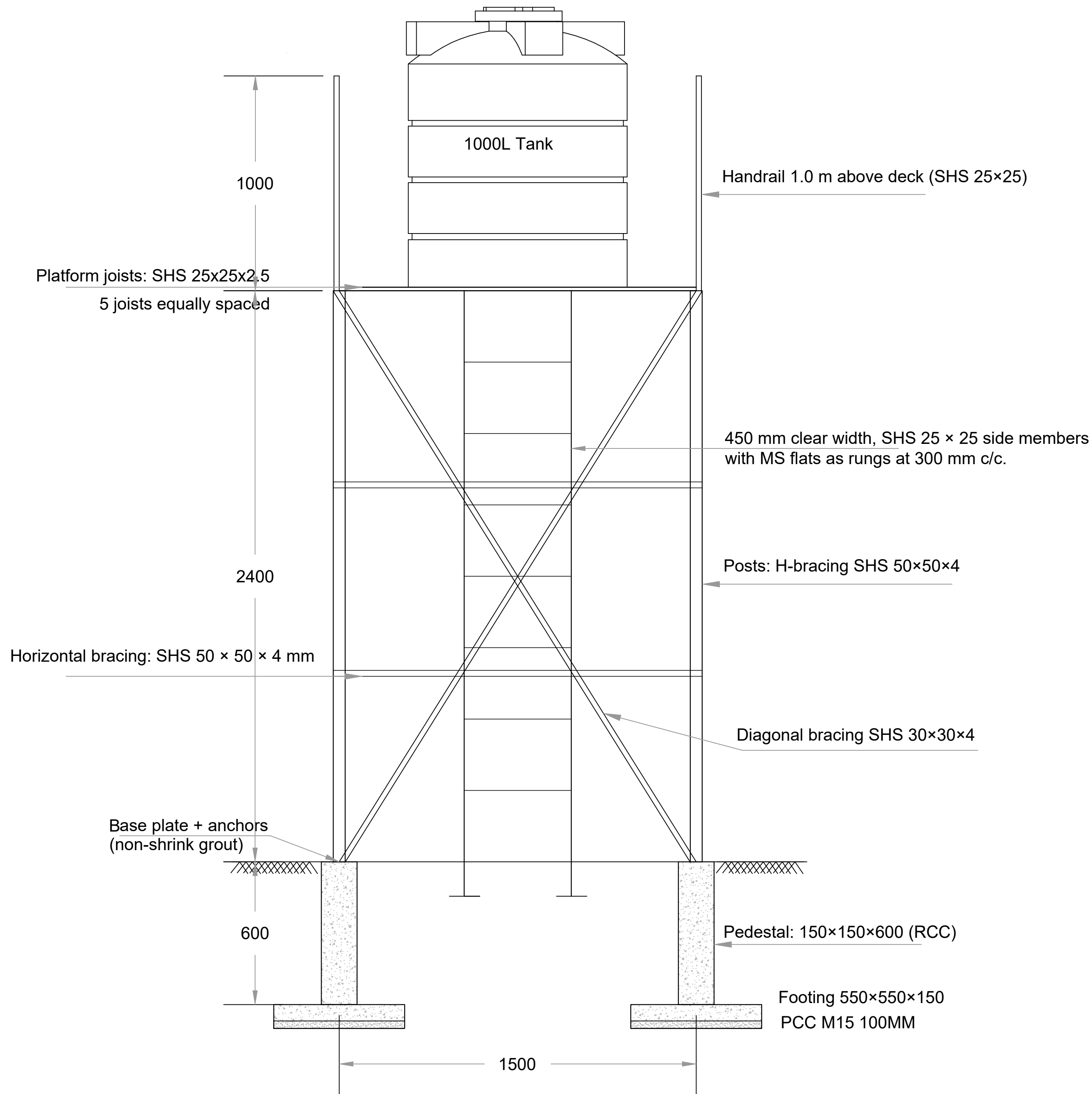
TYPICAL SECTION OF FLOOR BEAM

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:

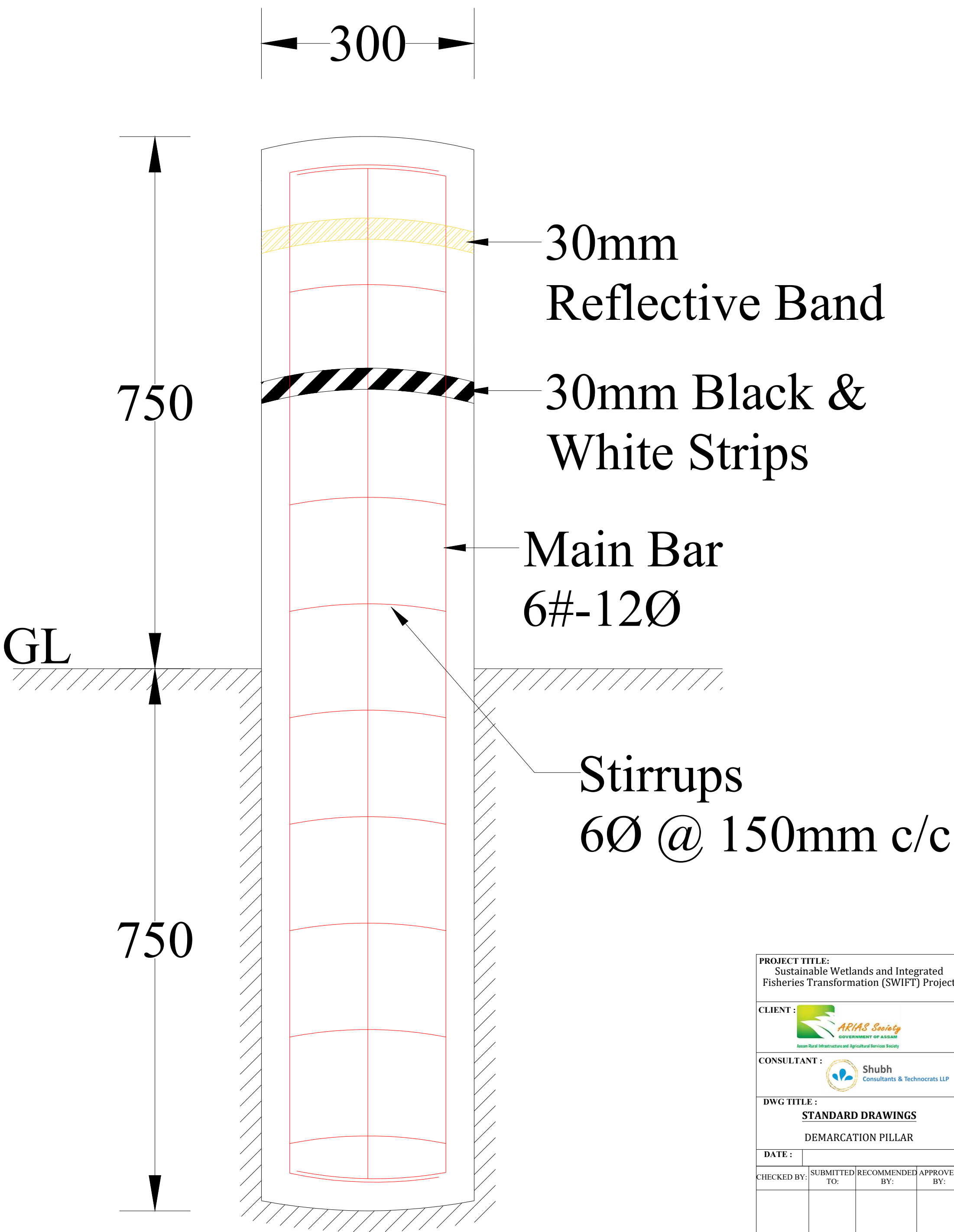
TEAM LEAD

A.E.

E.E.

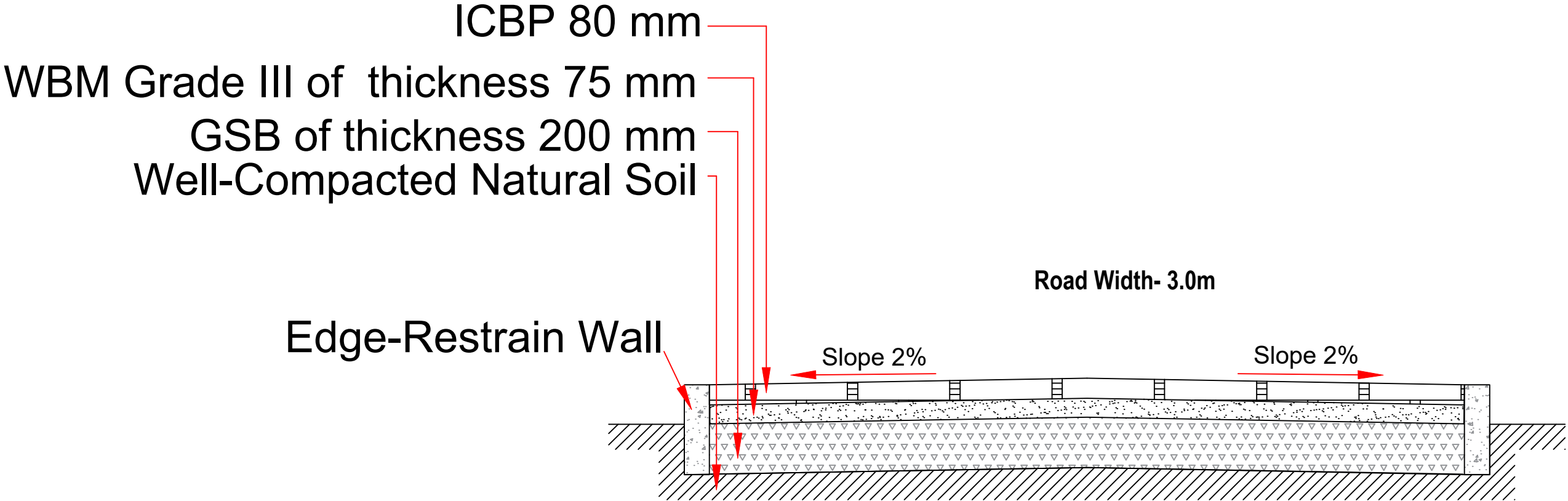
S.E.

GENERAL ARRANGEMENT DRAWING FOR 1000L TANK WITH STAGING

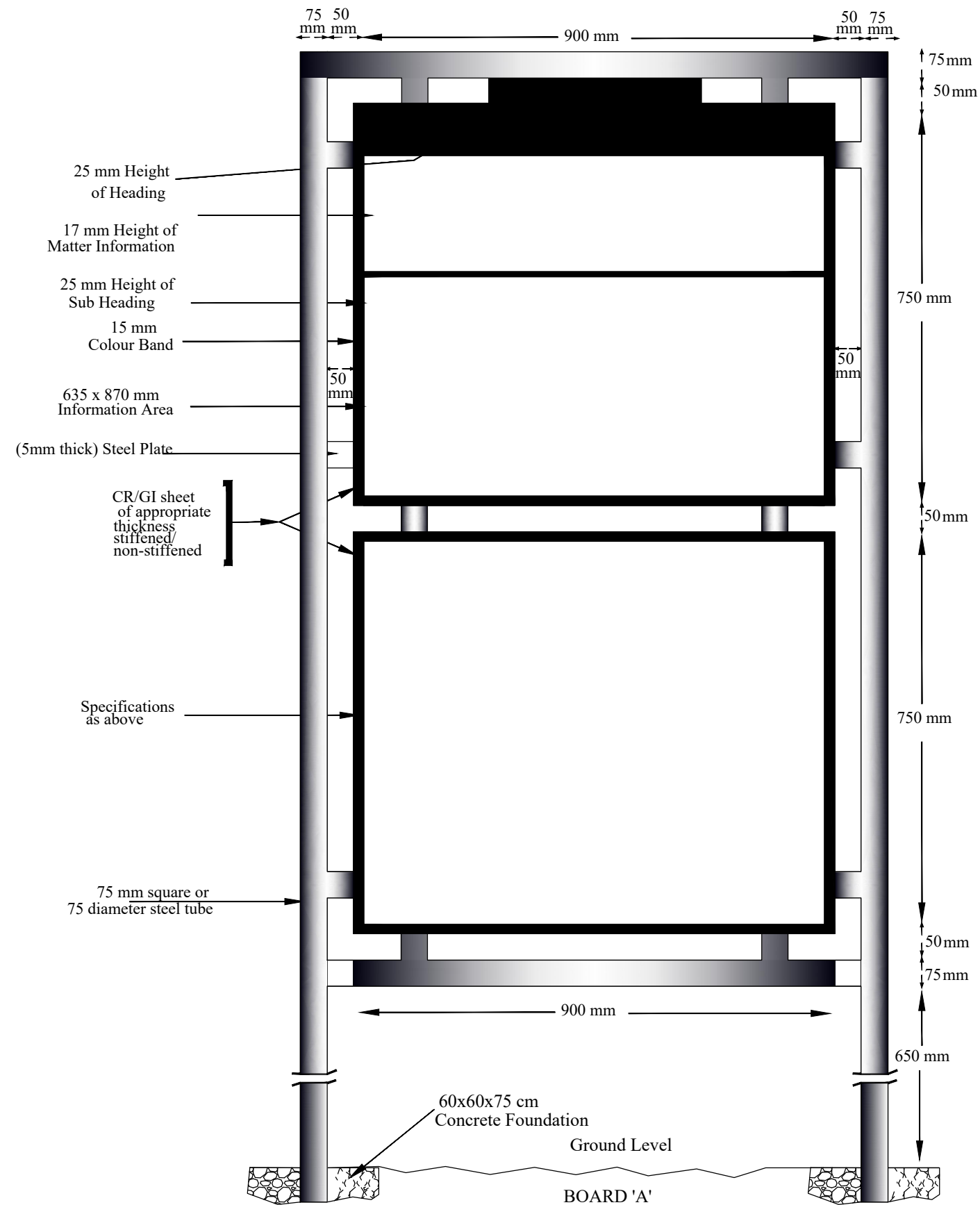


PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :  ARIAS Society GOVERNMENT OF ASSAM Assam Rural Infrastructure and Agricultural Services Society			
CONSULTANT :  Shubh Consultants & Technocrats LLP			
DWG TITLE : STANDARD DRAWINGS DEMARICATION PILLAR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

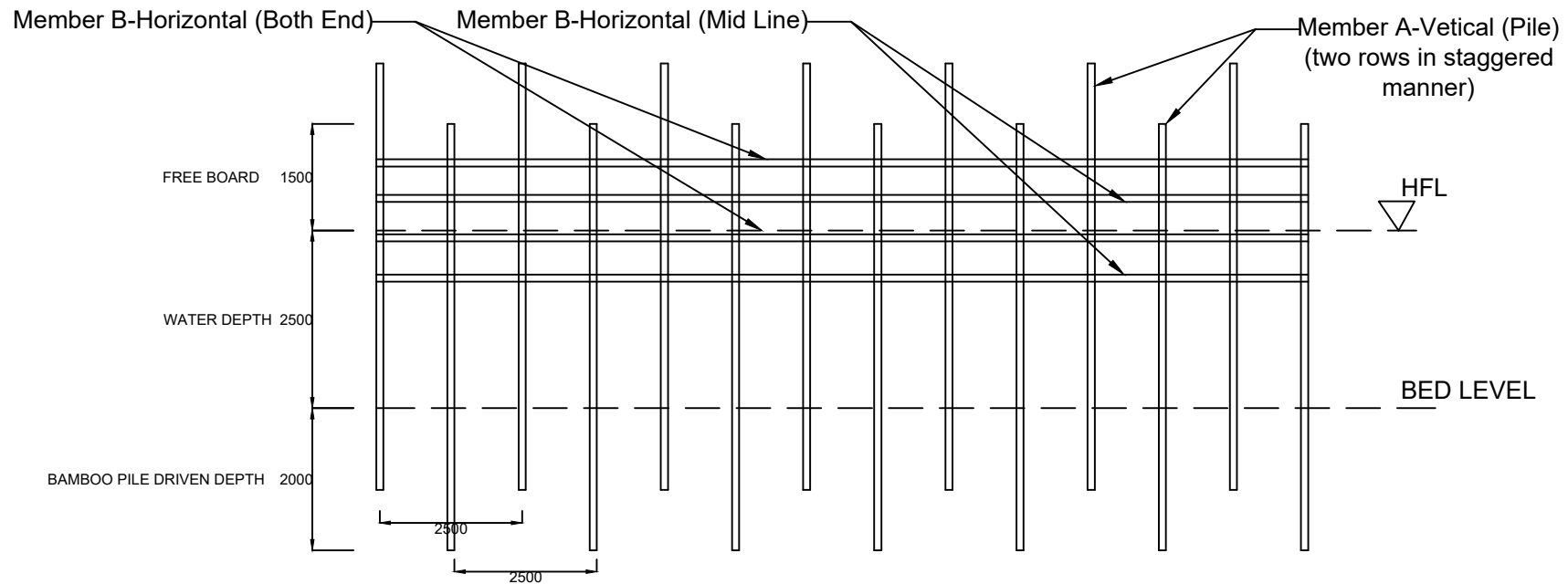
TYPICAL SECTION OF APPROACH ROAD



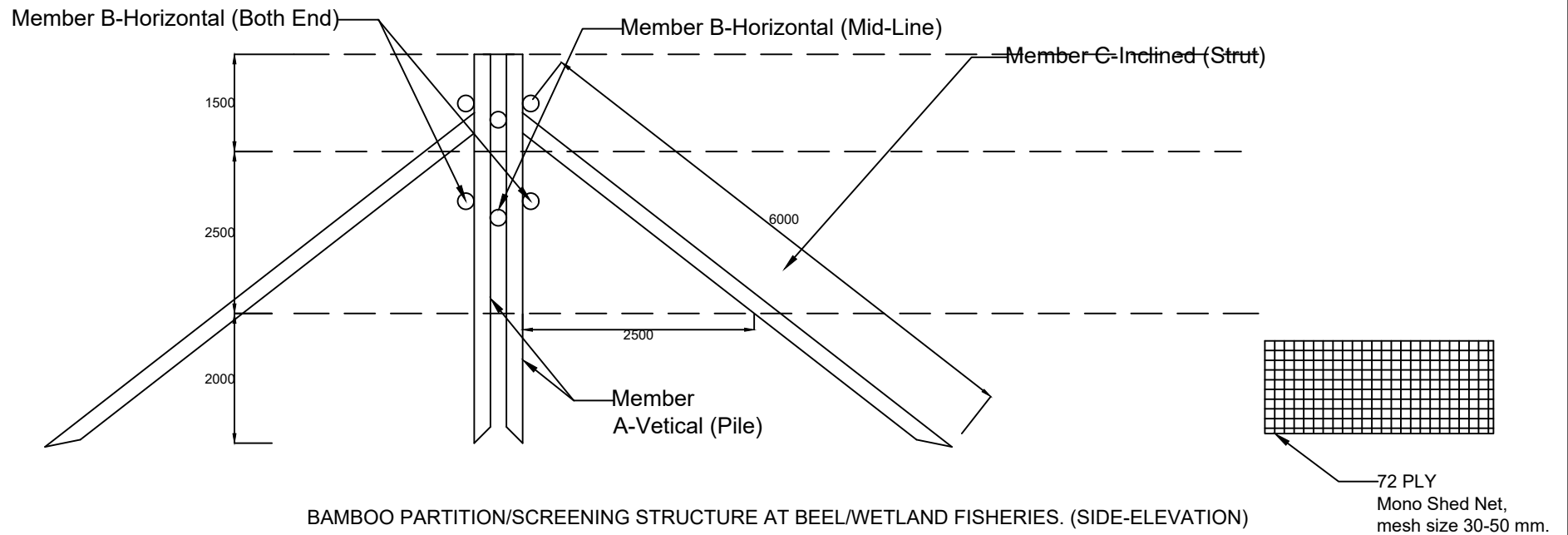
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PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG TITLE : TYPICAL SECTION OF APPROACH ROAD			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



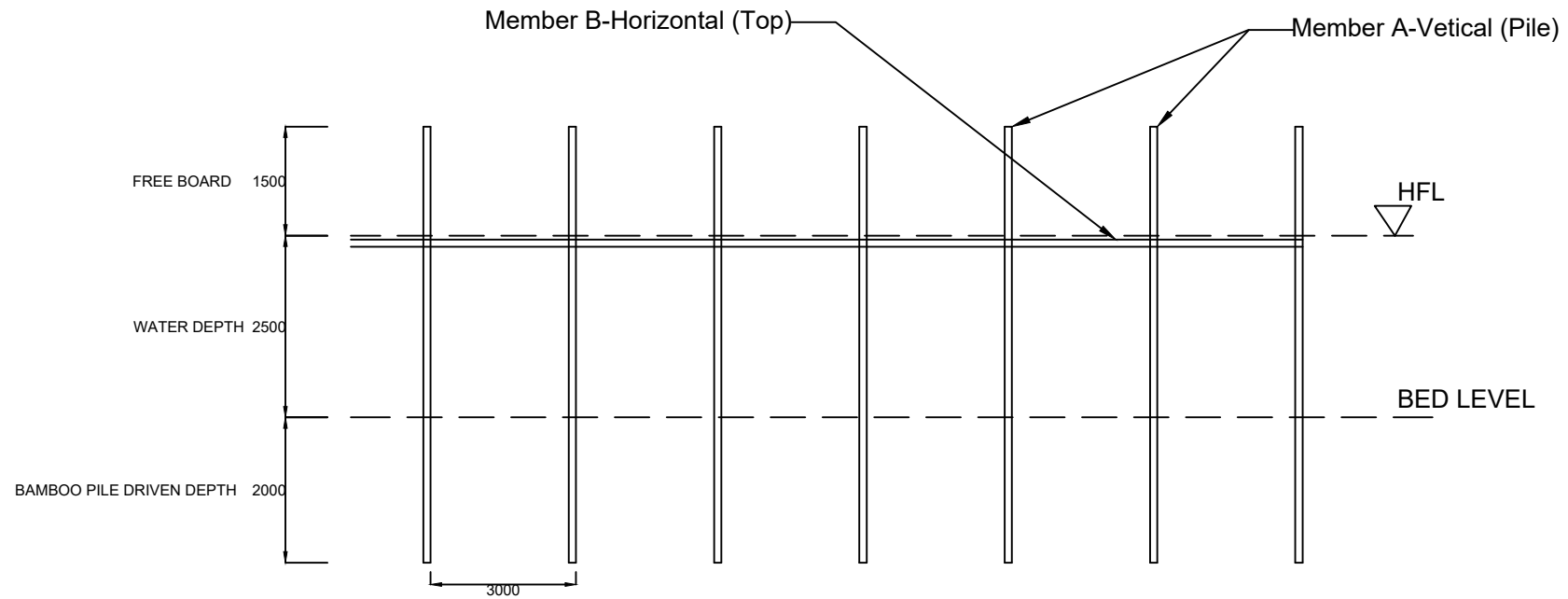
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : ARIAS SOCIETY			
CONSULTANT : SHUBH CONSULTANTS AND TECHNOCRATS LLP			
DWG TITLE : STANDARD DRAWING INFORMATION BOARD			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
TEAM LEAD	A.E.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



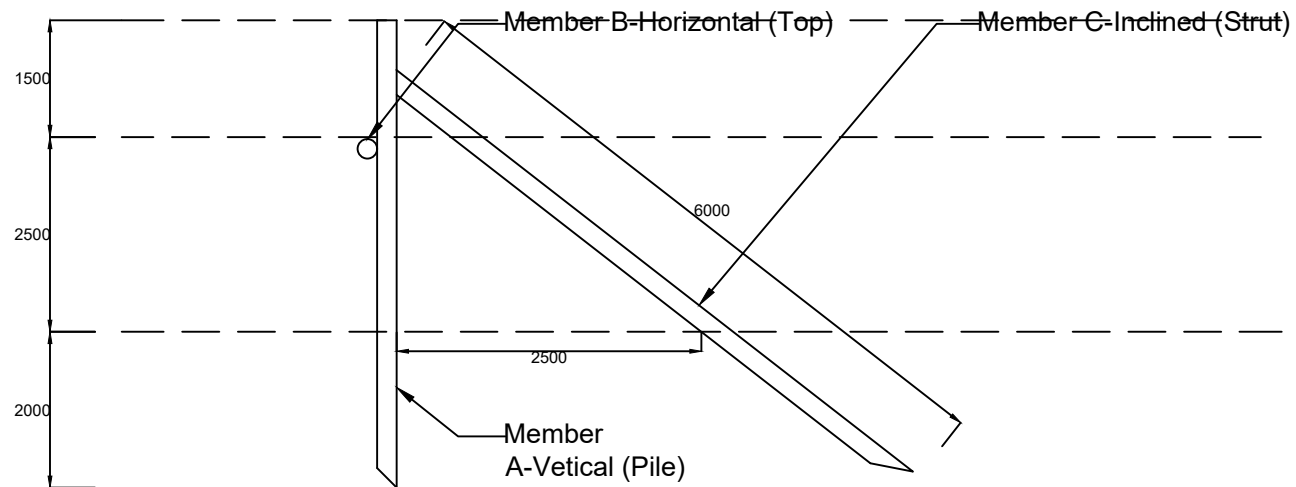
BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



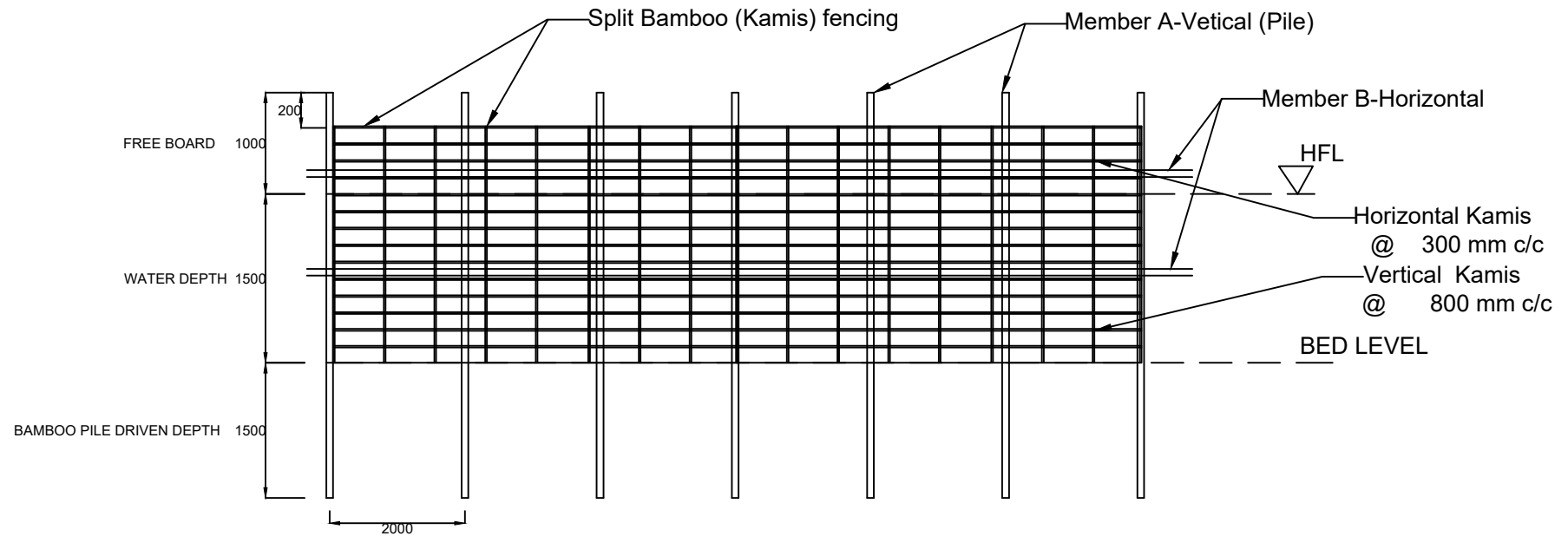
BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)



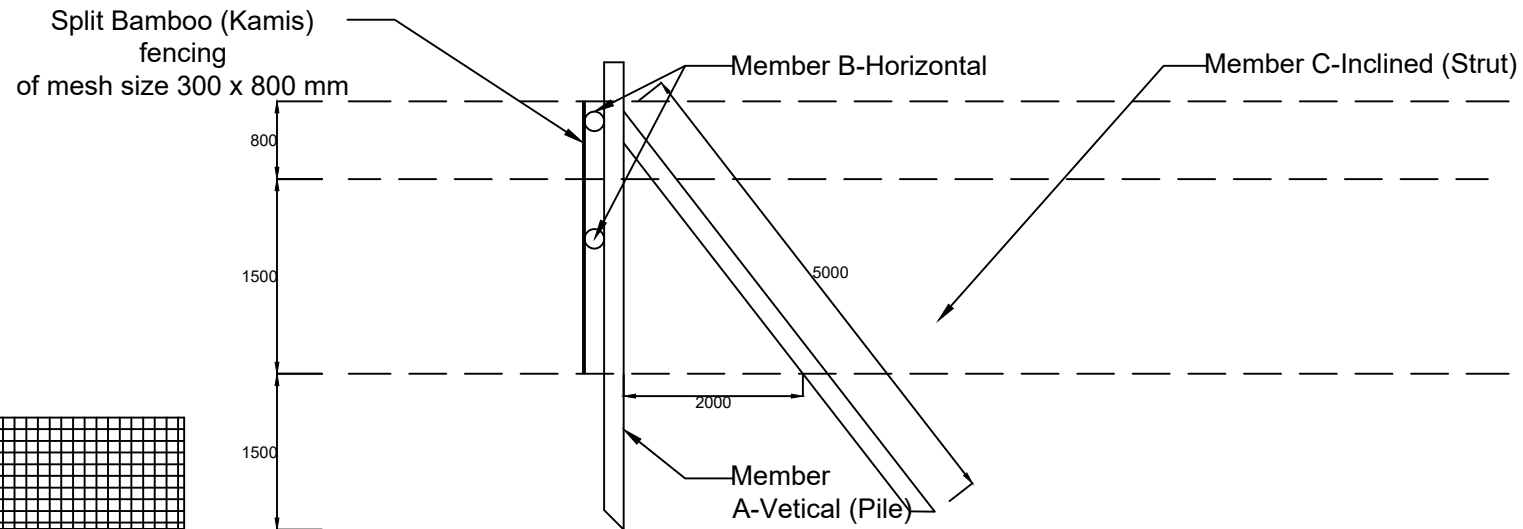
KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



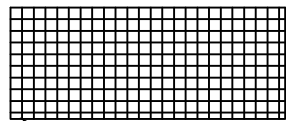
KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)



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



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



115 GSM
Mono Shed Net,
mesh size 3-5 mm.