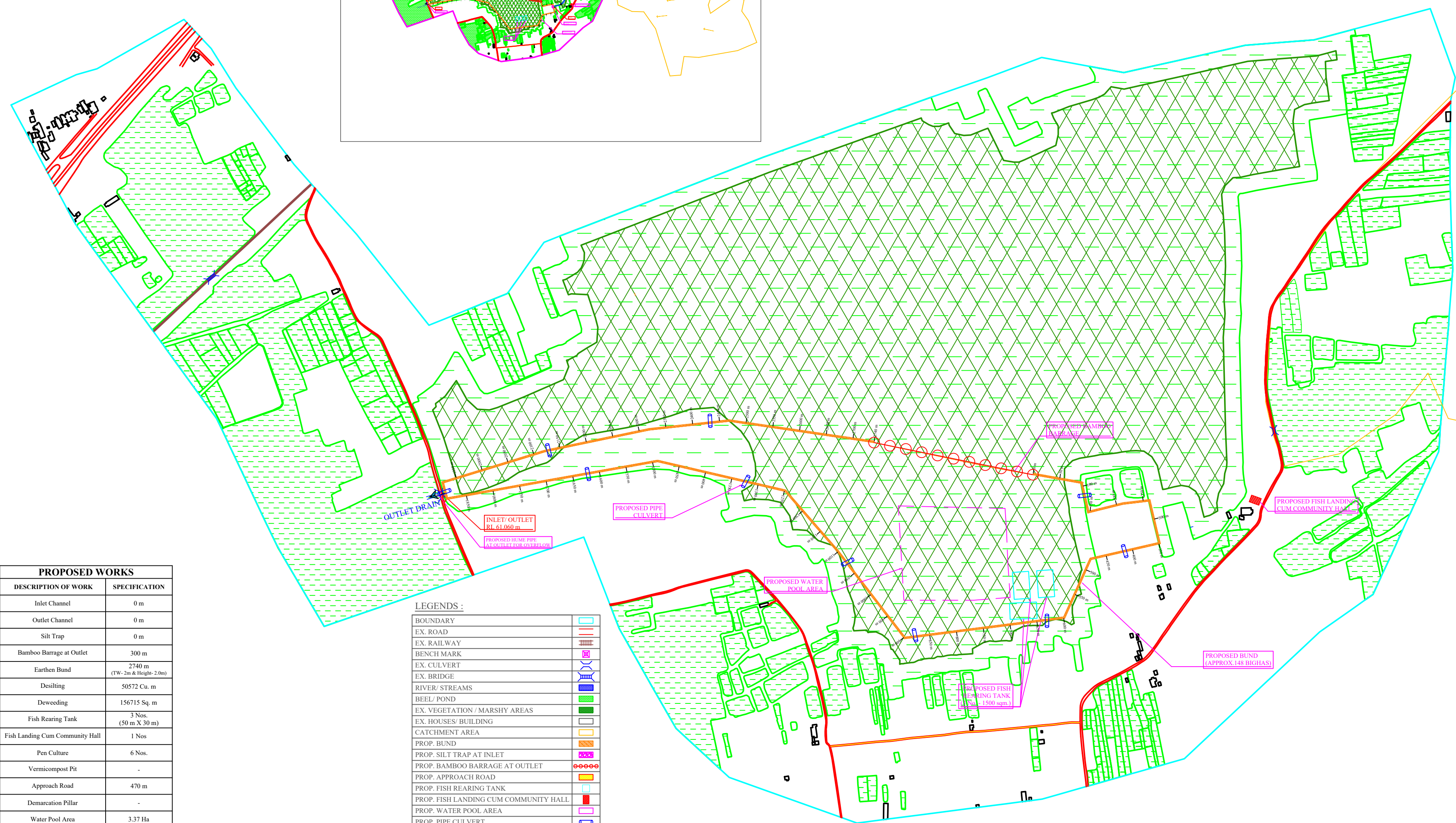
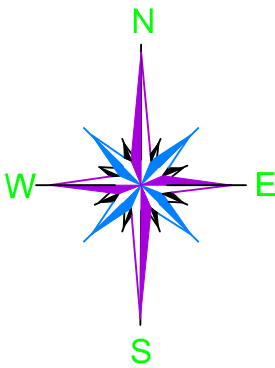
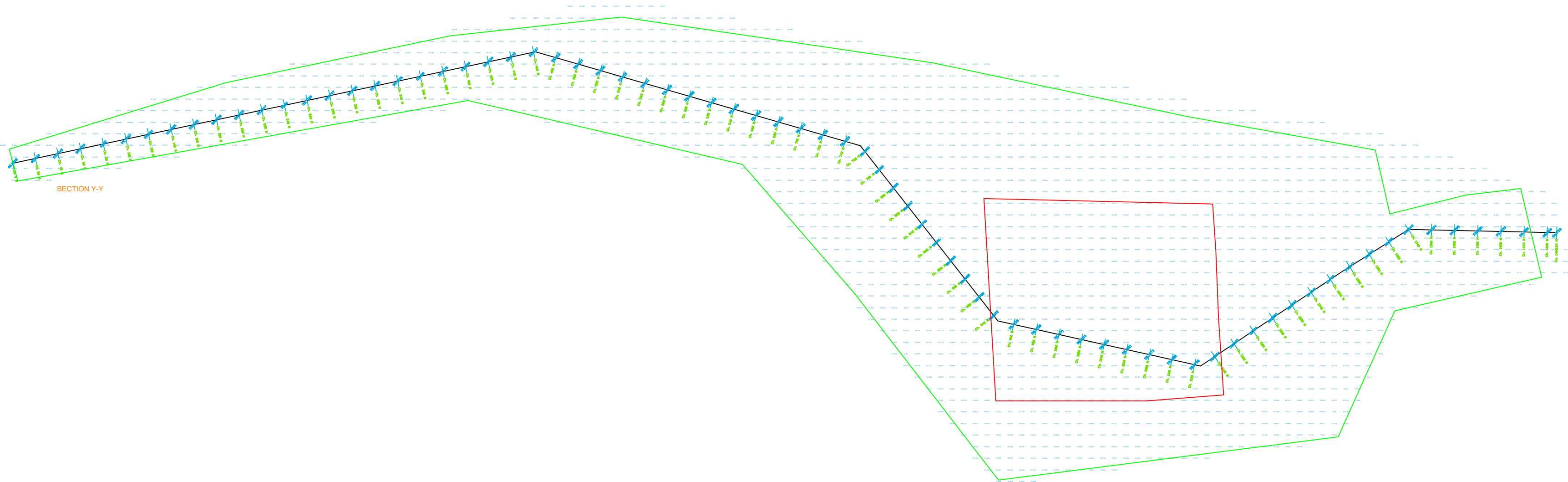


CATCHMENT AREA OF BORTHOL BEEL



PROPOSED WORKS	
DESCRIPTION OF WORK	SPECIFICATION
Inlet Channel	0 m
Outlet Channel	0 m
Silt Trap	0 m
Bamboo Barrage at Outlet	300 m
Earthen Bund	2740 m (TW-2m & Height-2.0m)
Desilting	50572 Cu. m
Deweeding	156715 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	470 m
Demarcation Pillar	-
Water Pool Area	3.37 Ha

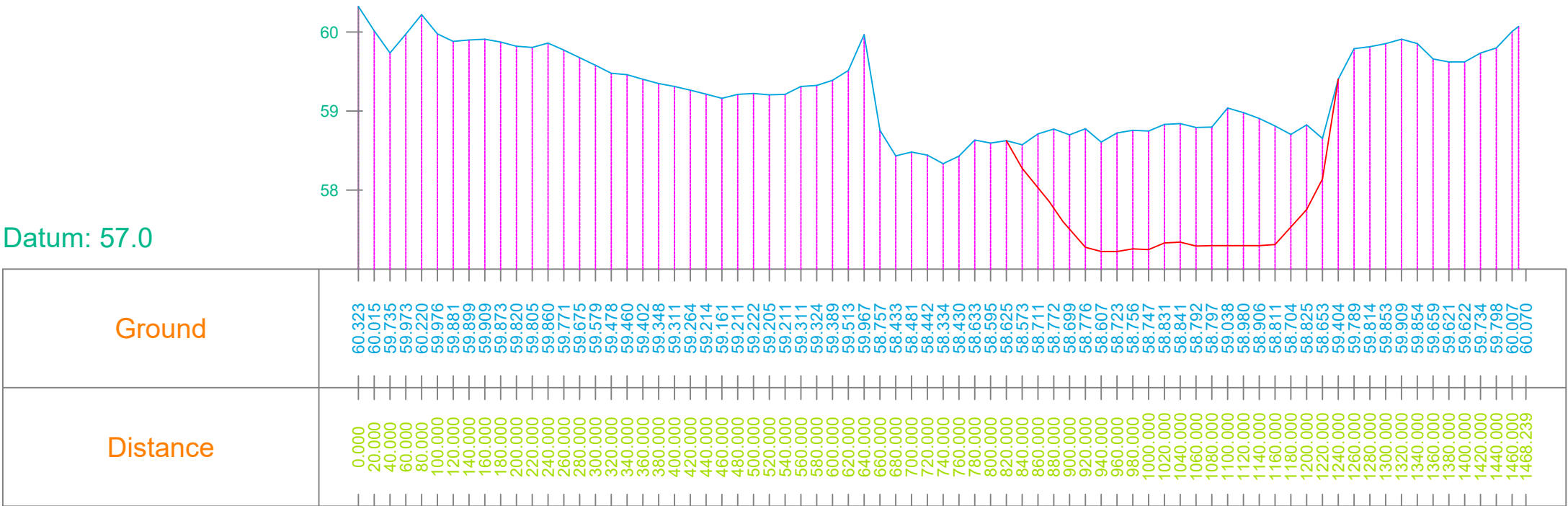
PACKAGE NO.: 03			
NAME OF THE BEEL: BORTHOL BEEL			
DEVELOPMENT BLOCK: RAHA			
REVENUE VILLAGE: UTTAR PETBOHA I			
DISTRICT: NAGAON			
AREA (Ha): 19.37 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG TITLE : MASTERPLAN LAYOUT OF BORTHOL BEEL			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



LEGENDS :

BEEL BOUNDARY	
PROP. EXCAVATION AREA	

TOTAL DESILTING AREA	33714 Sqm
AVG. DEPTH OF DISILTING	1.5 m
TOTAL DESILTING VOLUME	50572 Cum



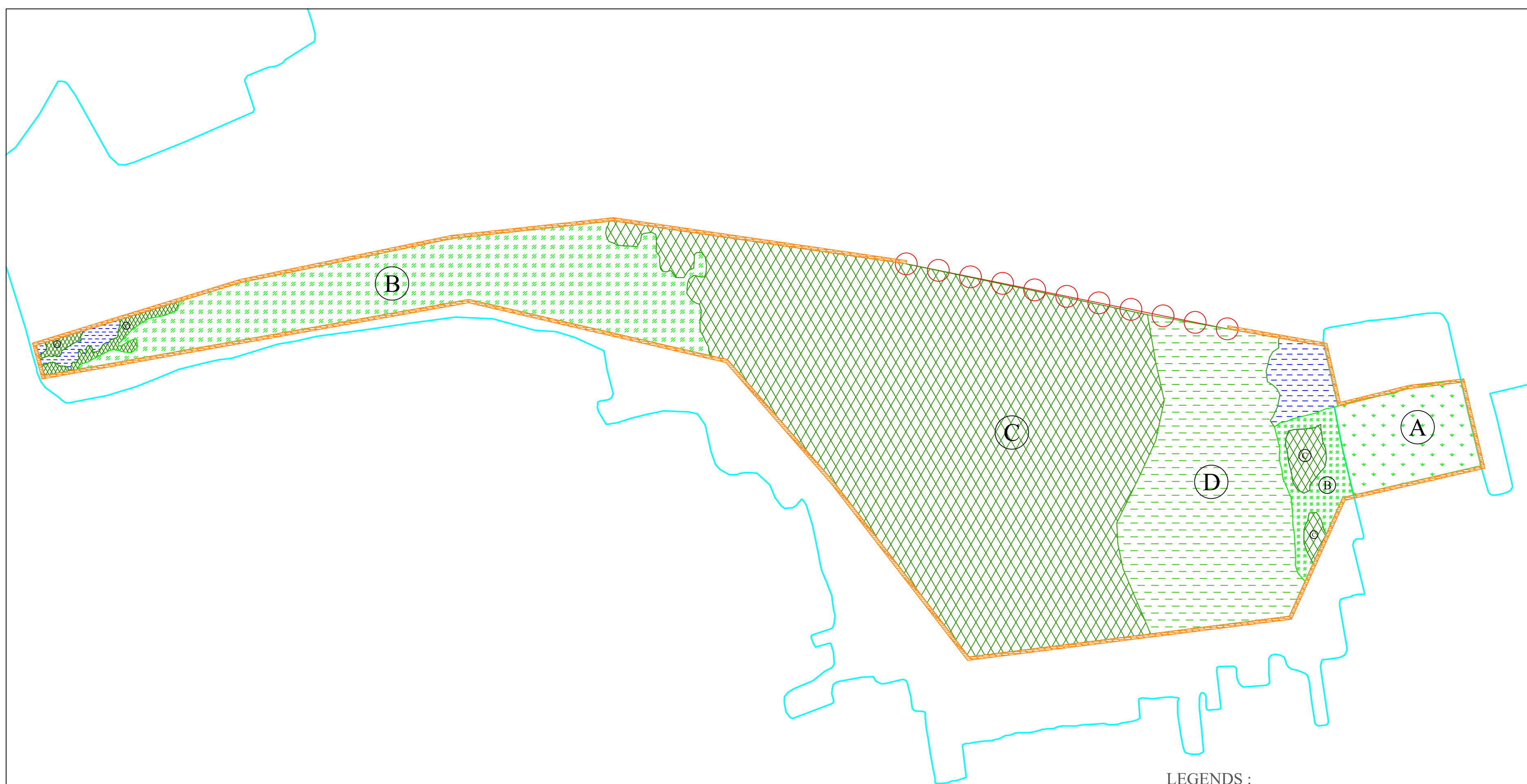
PACKAGE NO.:	03
NAME OF THE BEEL:	BORTHOL BEEL
DEVELOPMENT BLOCK:	RAHA
REVENUE VILLAGE:	UTTAR PETBOHA I
DISTRICT:	NAGAON
AREA (Ha):	19.37 Ha

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



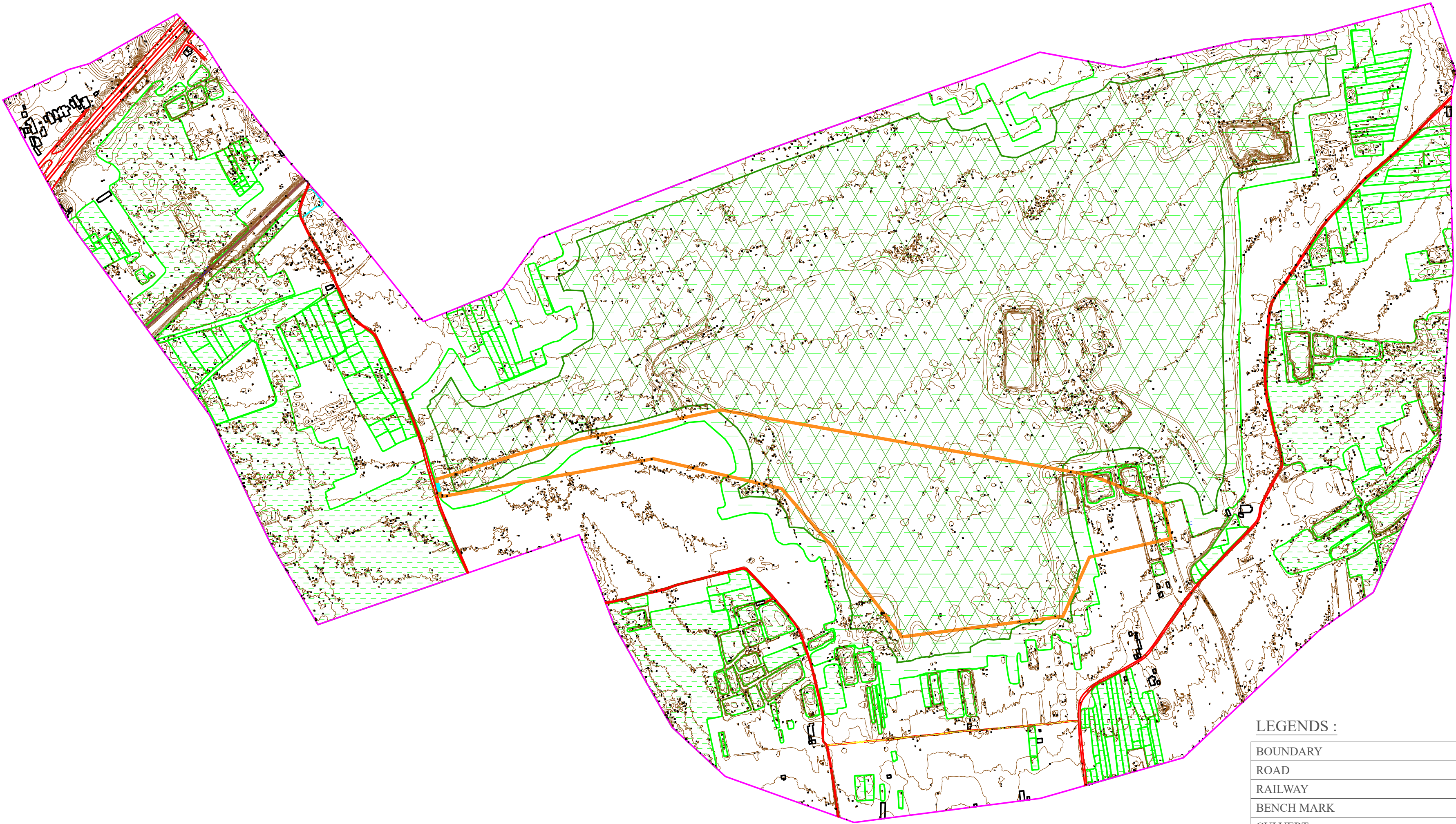
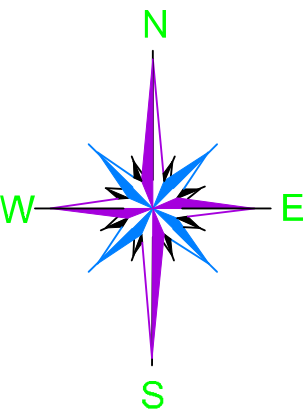
DWG TITLE :
BEEL CROSS SECTION DRAWING

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



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 BORTHOL BEEL

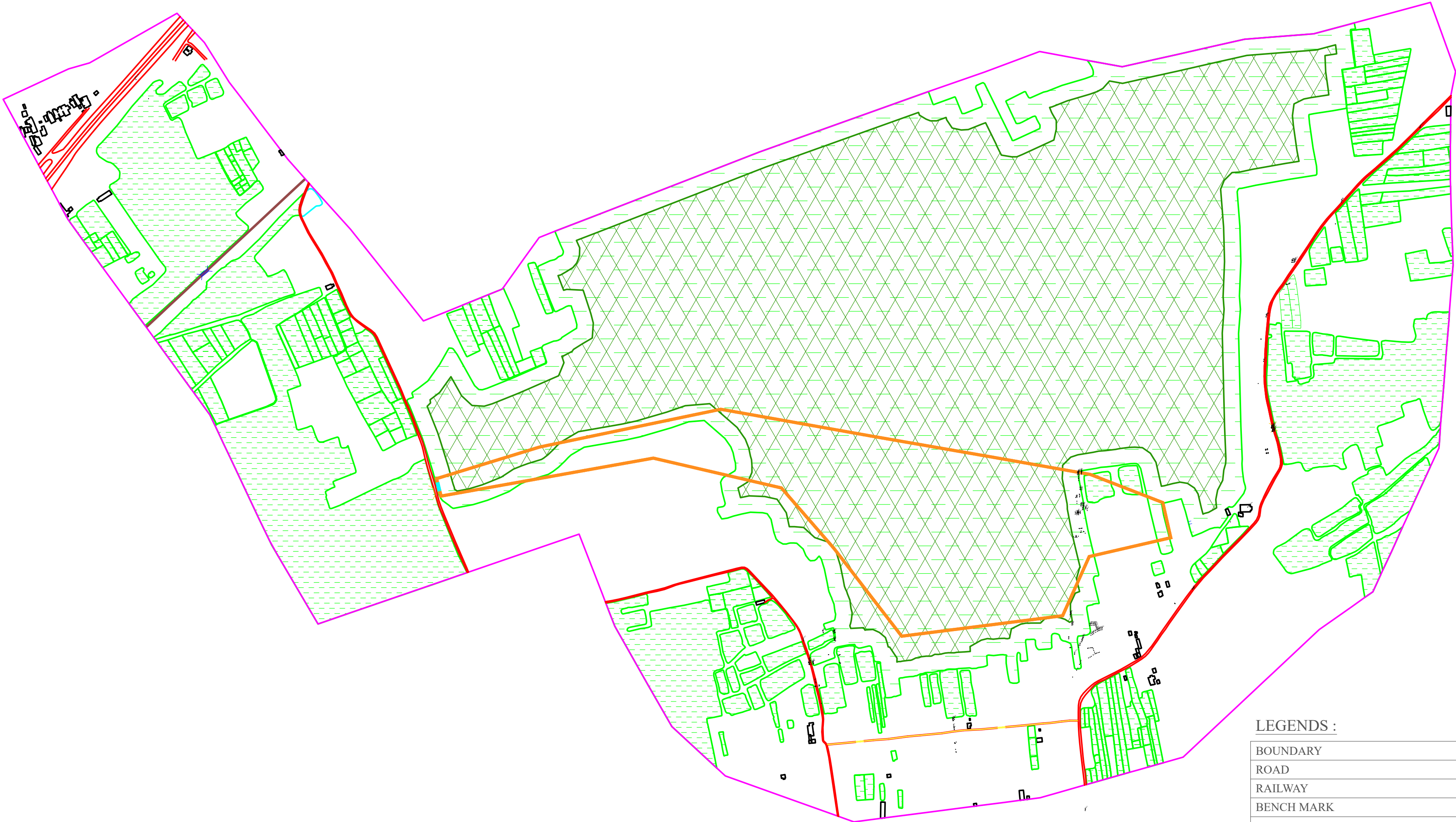
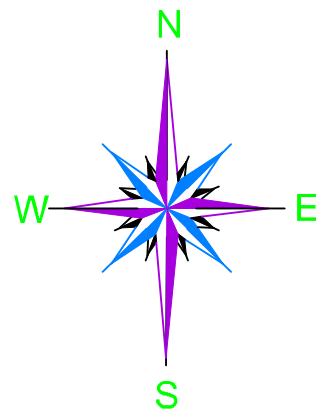


LEGENDS :

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

PACKAGE NO.:				03			
NAME OF THE BEEL:				BORTHOL BEEL			
DEVELOPMENT BLOCK:				RAHA			
REVENUE VILLAGE:				UTTAR PETBOHA1			
DISTRICT:				NAGAON			
AREA (Ha):				19.37 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project							
CLIENT :							
CONSULTANT :							
DWG TITLE : CONTOUR MAP WITH BATHYMETRIC LEVELS OF BORTHOL BEEL							
DATE :				DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:		APPROVED BY:			
DATE :	DATE :	DATE :		DATE :			
TEAM LEAD	A.E.	E.E.		S.E.			

DGPS SURVEY LAYOUT MAP OF BORTHOL BEEL

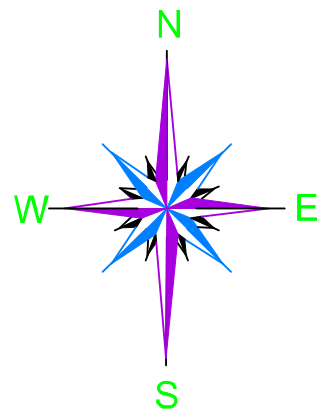


LEGENDS :

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

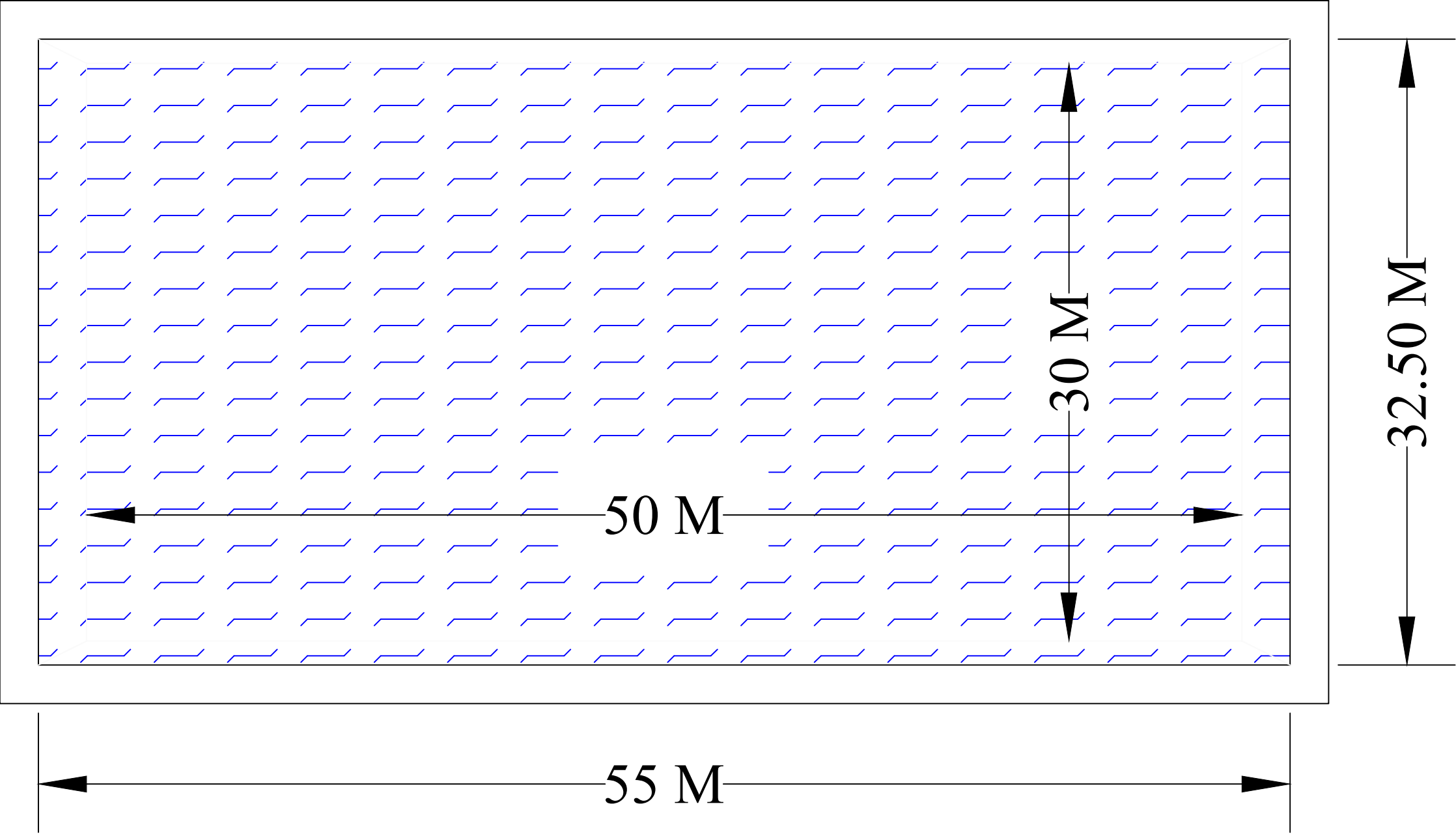
PACKAGE NO.:				03			
NAME OF THE BEEL:				BORTHOL BEEL			
DEVELOPMENT BLOCK:				RAHA			
REVENUE VILLAGE:				UTTAR PETBOHA1			
DISTRICT:				NAGAON			
AREA (Ha):				19.37 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project							
CLIENT :							
CONSULTANT :							
DWG TITLE : DGPS SURVEY LAYOUT MAP OF BORTHOL BEEL							
DATE :				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 BORTHOL BEEL



PACKAGE NO.:	03		
NAME OF THE BEEL:	BORTHOL BEEL		
DEVELOPMENT BLOCK:	RAHA		
REVENUE VILLAGE:	UTTAR PETBOHA1		
DISTRICT:	NAGAON		
AREA (Ha):	19.37 Ha		
PROJECT TITLE:	Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project		
CLIENT :			
CONSULTANT :			
DWG TITLE :	DRONE SURVEY MAP OF BORTHOL 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

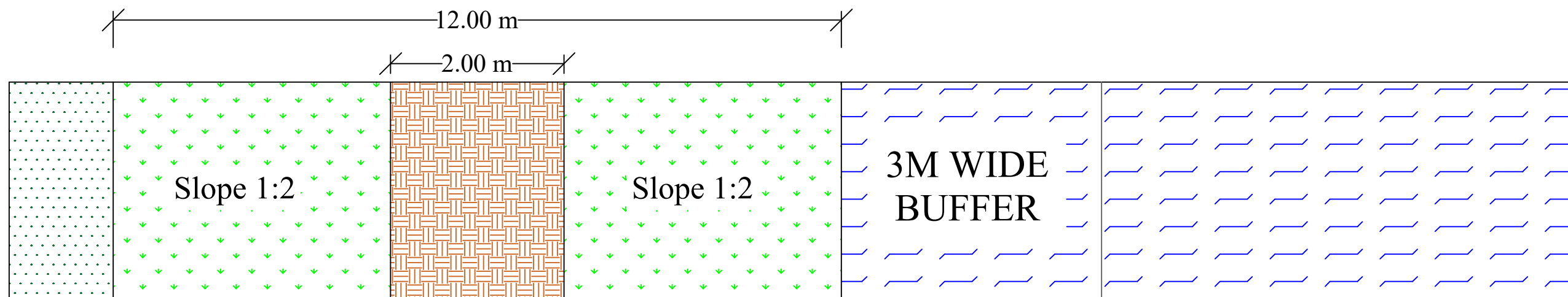


PLAN

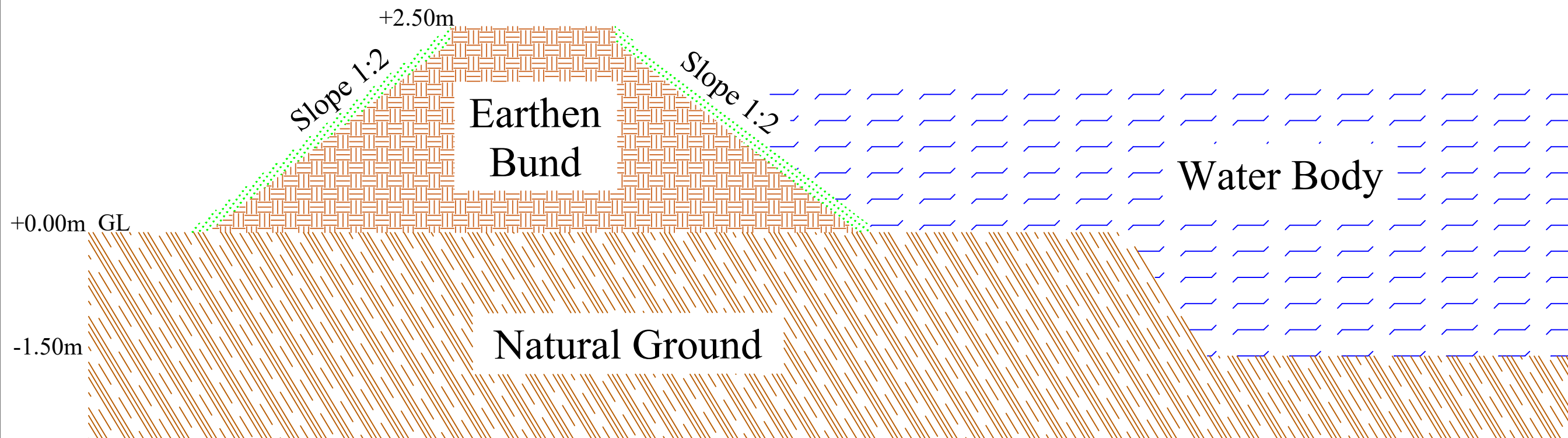


SECTION

SCALE: NOT TO SCALE			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :  ARIAS Society GOVERNMENT OF ASSAM Rural Rural Infrastructure and Agricultural Service Society			
CONSULTANT :  Shubh Consultants & Technocrats LLP			
DWG TITLE : TYPICAL PLAN & SECTION OF REARING TANK OF 1800 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 :

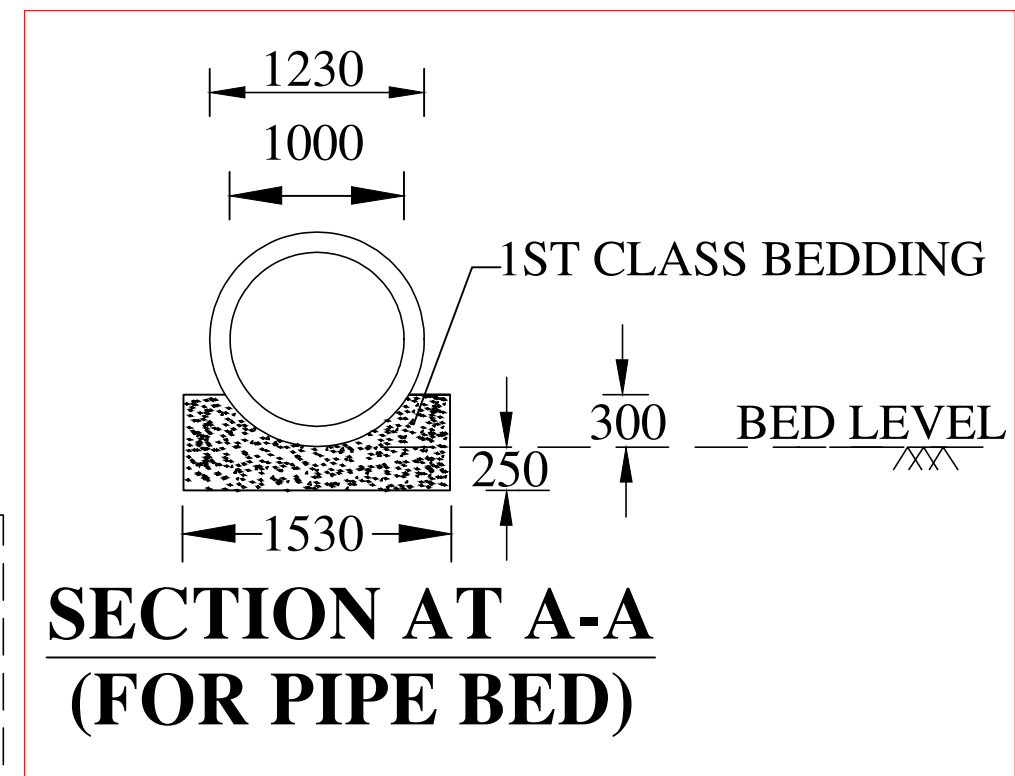
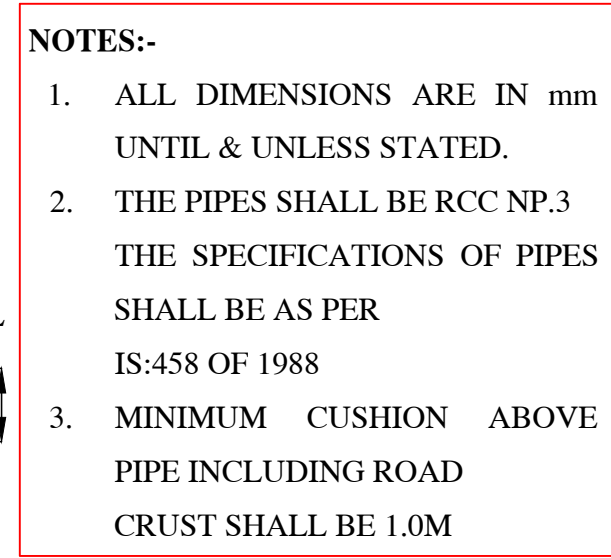
ARIAS Society
GOVERNMENT OF ASSAM
Rural Infrastructure and Agricultural Service Society

CONSULTANT :

Shubh
Consultants & Technocrats LLP

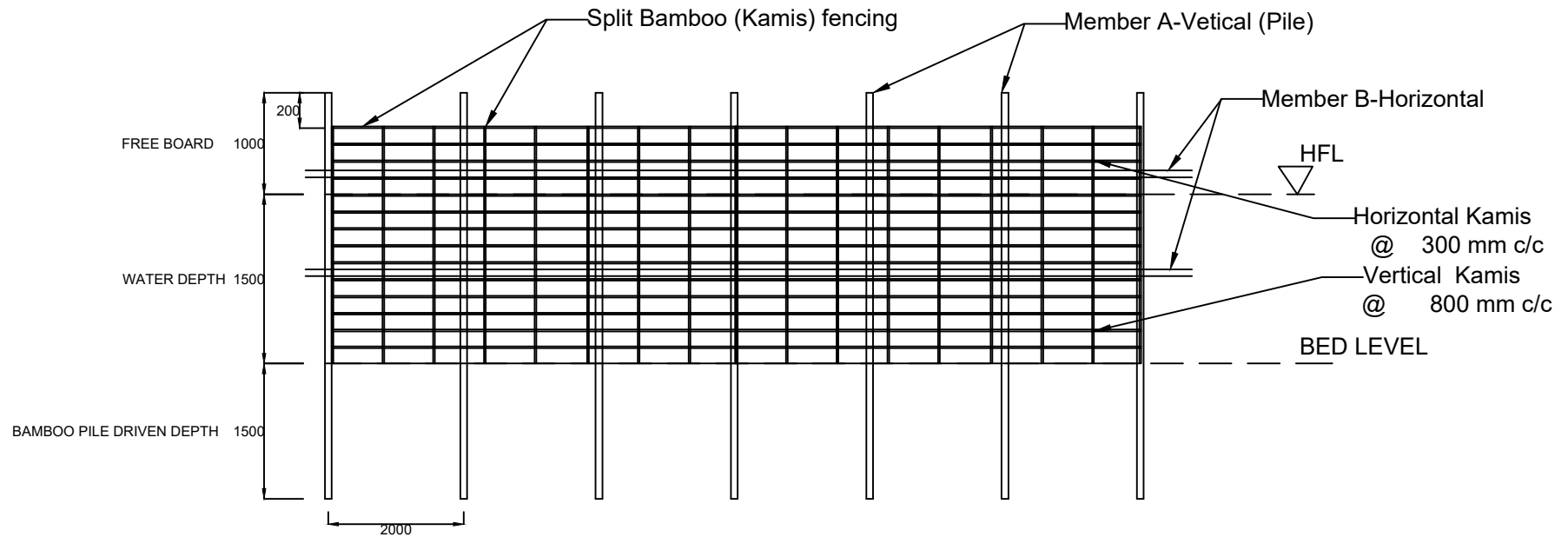
DWG TITLE :
TYPICAL PLAN & CROSS-SECTION OF EARTHEN BUND

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

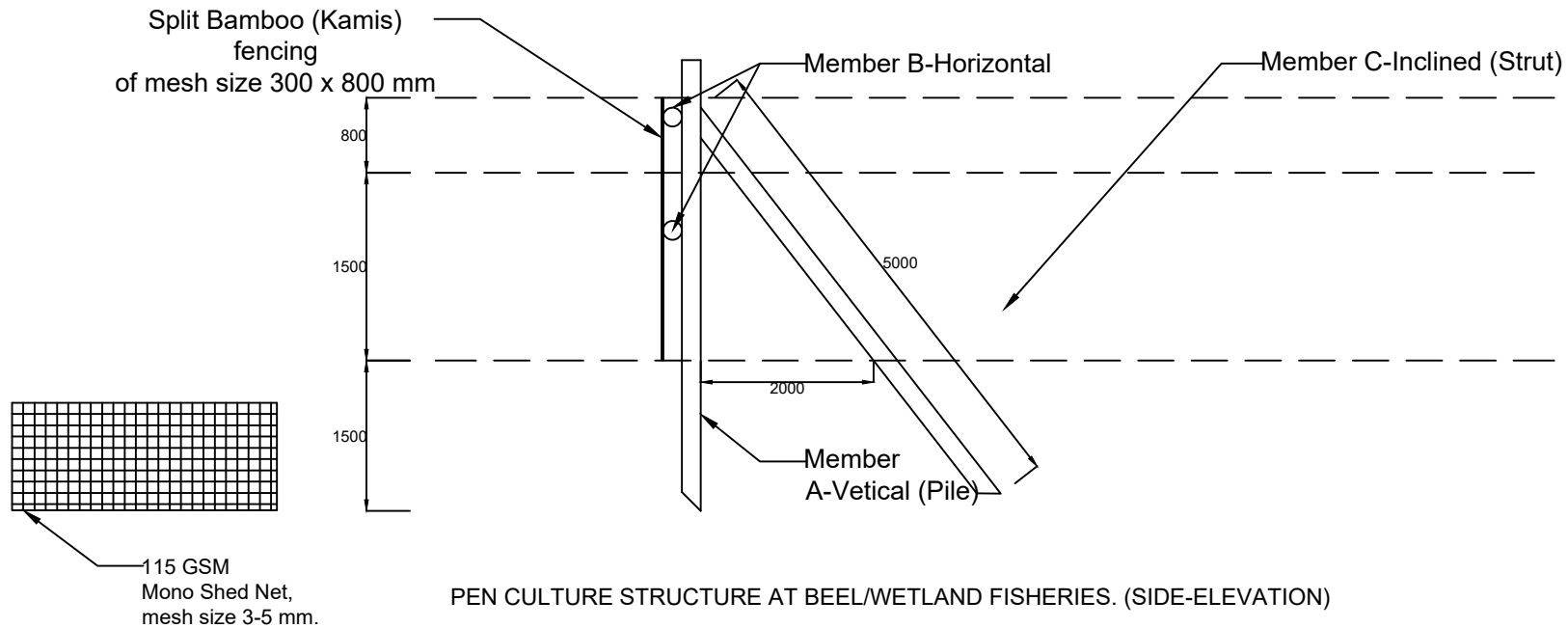


PLAN

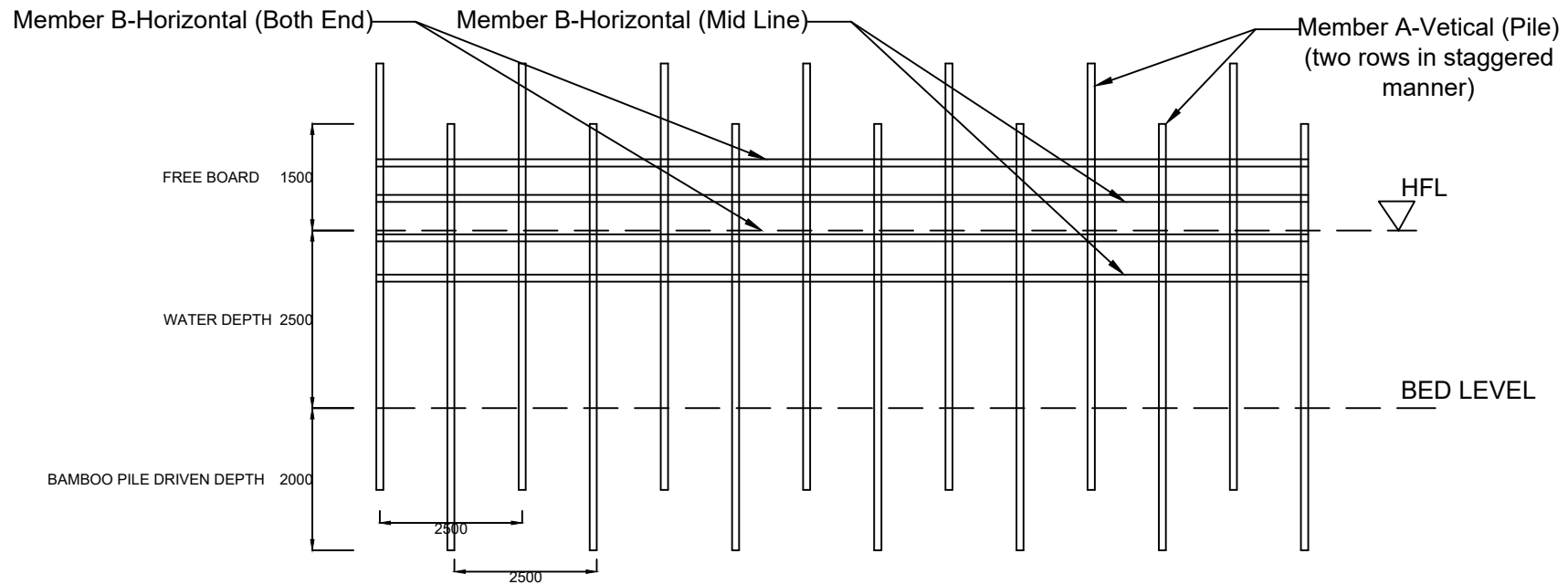
TEAM LEAD	A.E.	E.E.	S.E.
-----------	------	------	------



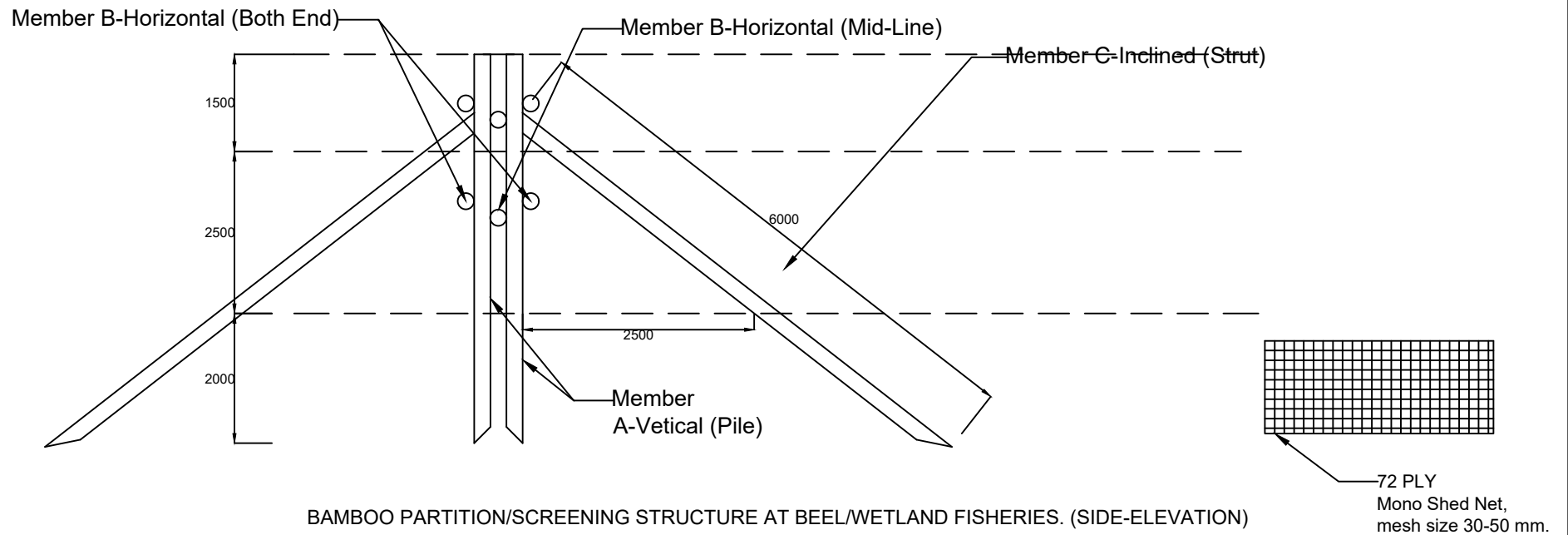
PEN CULTURE STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



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

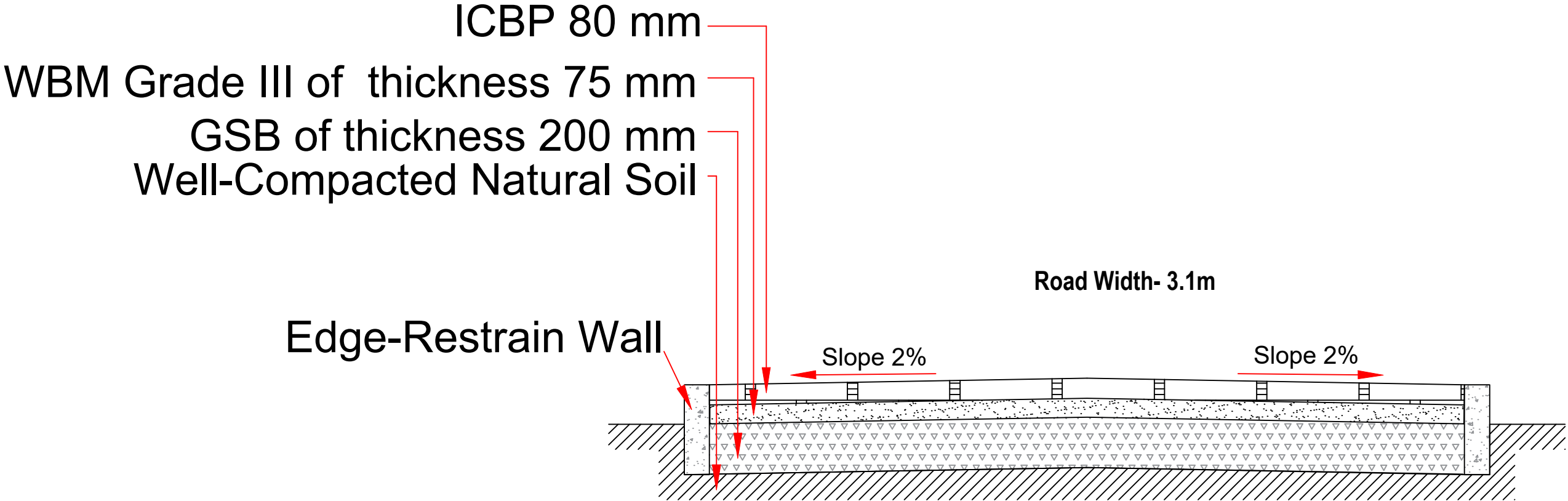


BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



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

TYPICAL SECTION OF APPROACH ROAD



SCALE: NOT TO SCALE

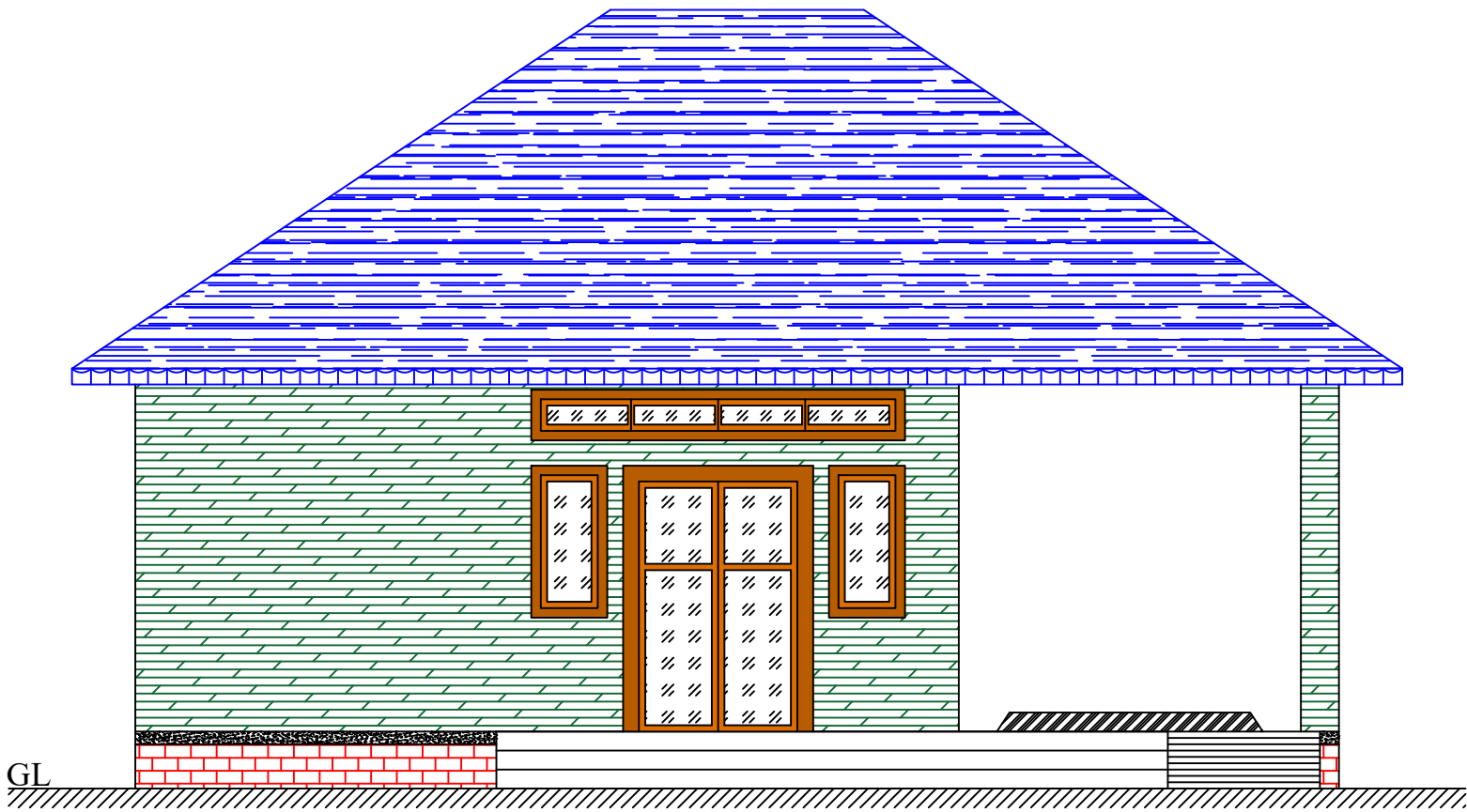
PROJECT TITLE:
Sustainable Wetlands and Integrated
Fisheries Transformation (SWIFT) Project

CLIENT : 

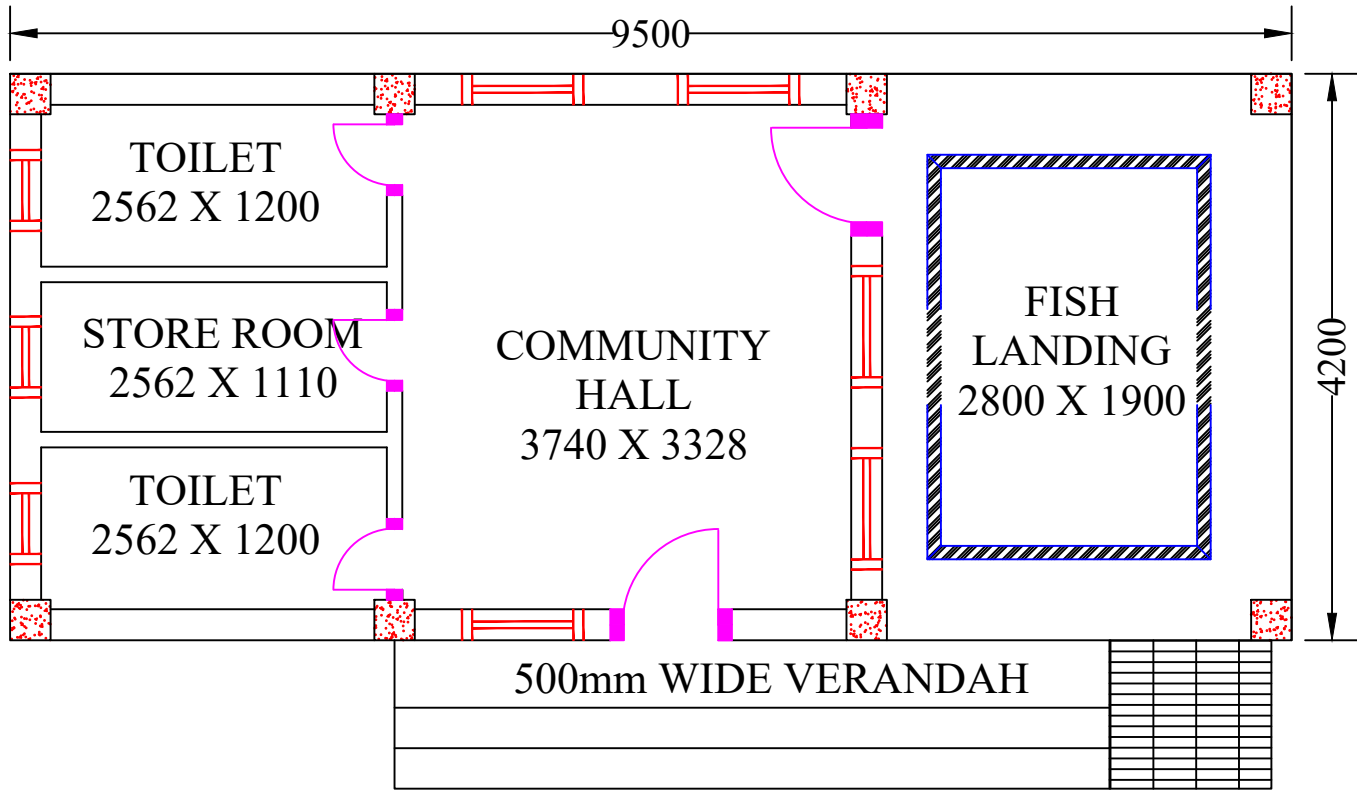
CONSULTANT : 

DWG TITLE :
TYPICAL SECTION OF
APPROACH ROAD

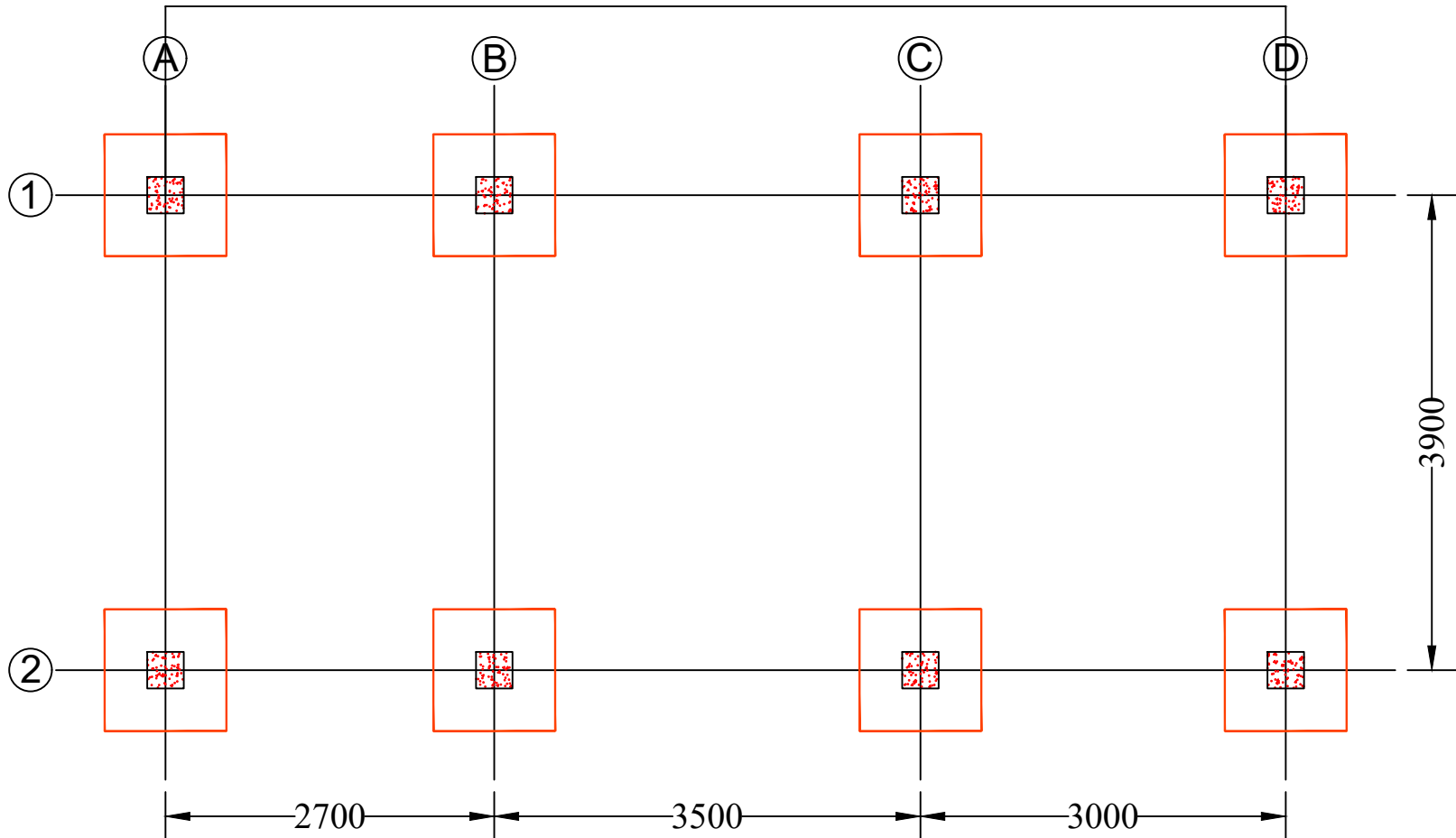
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



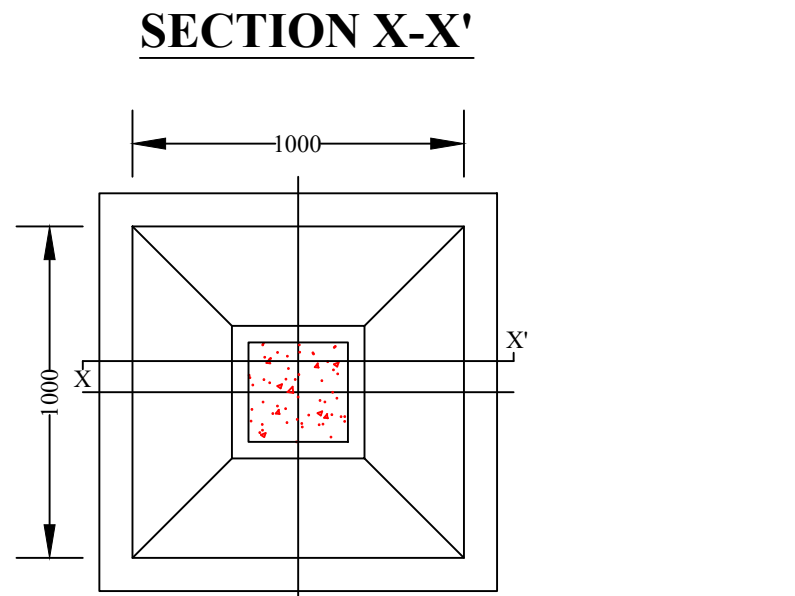
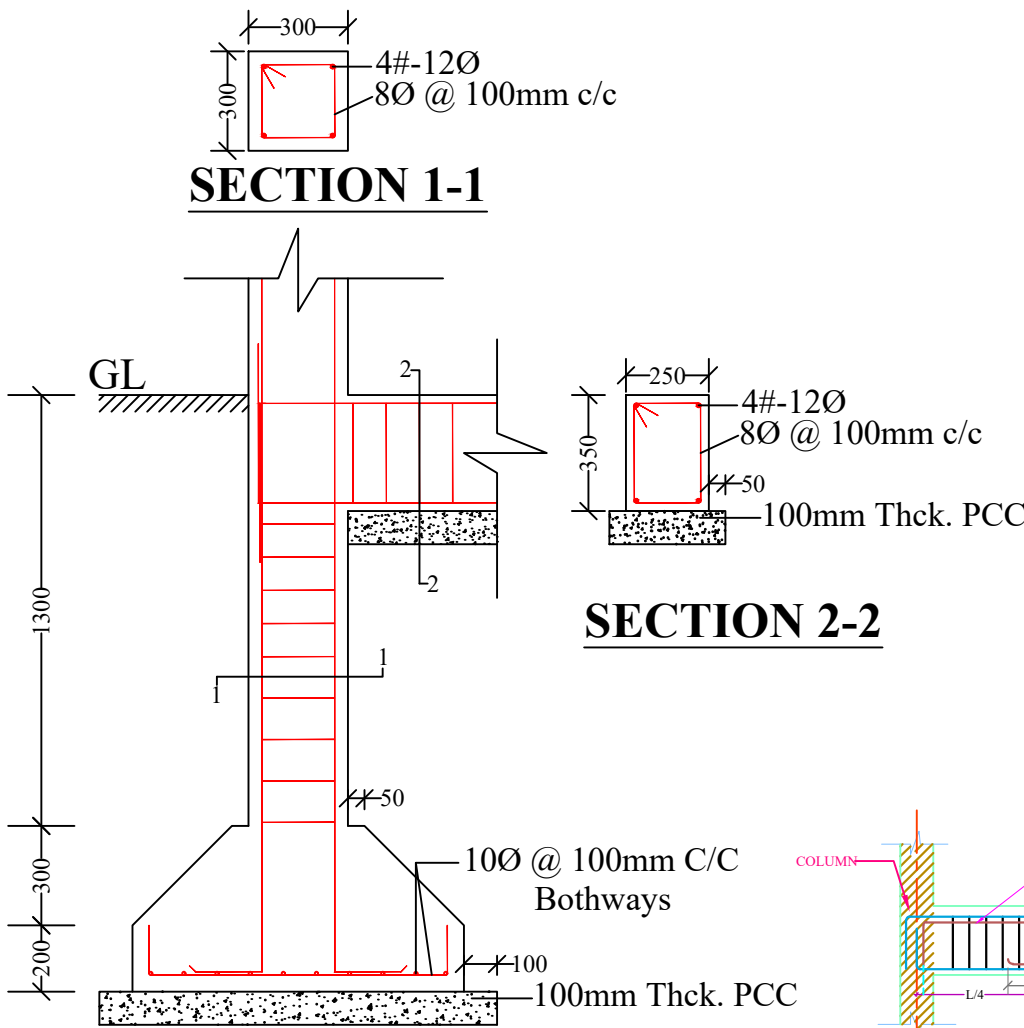
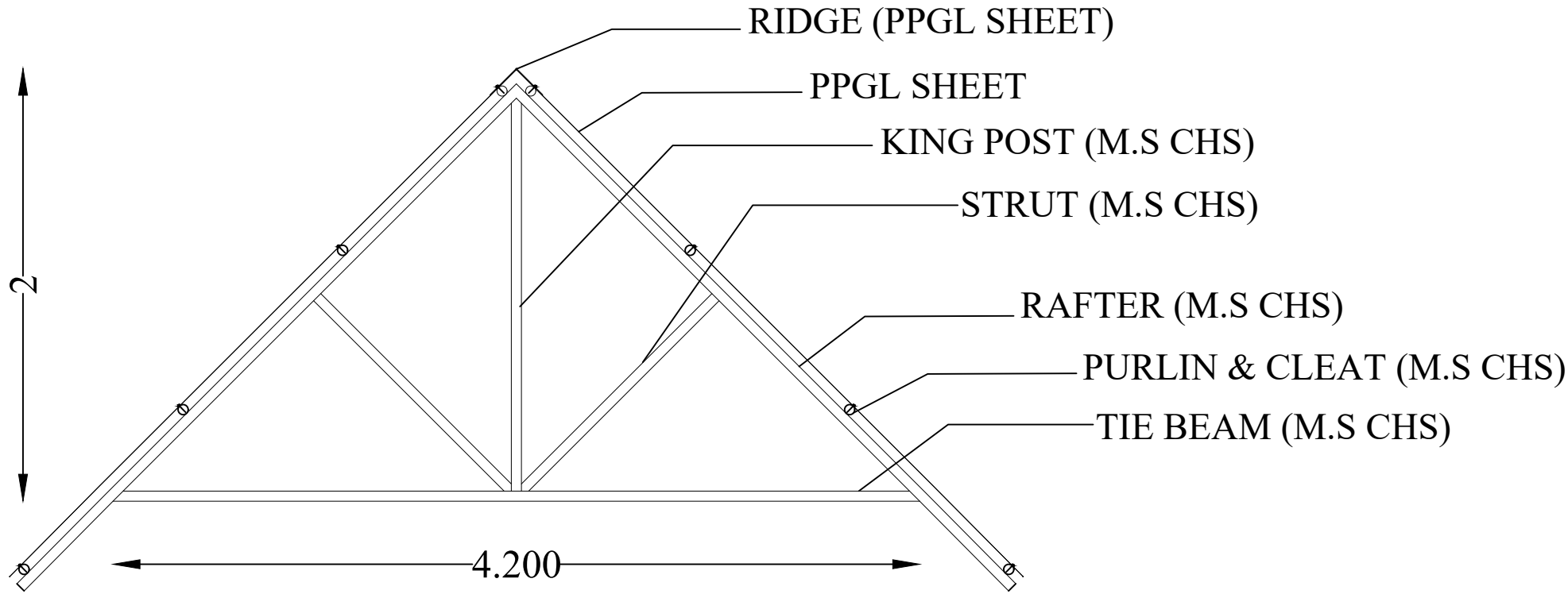
FRONT ELEVATION



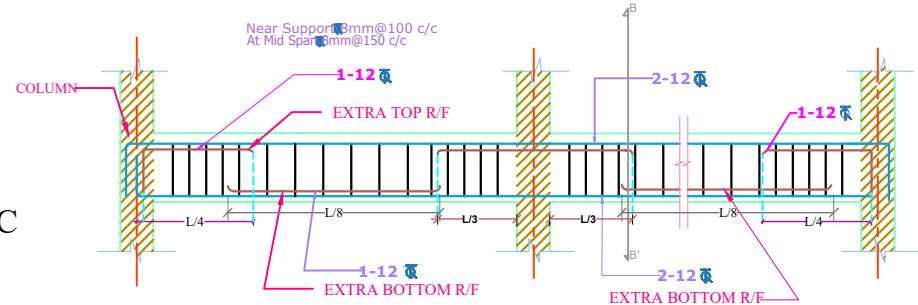
PLAN



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 x '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 :

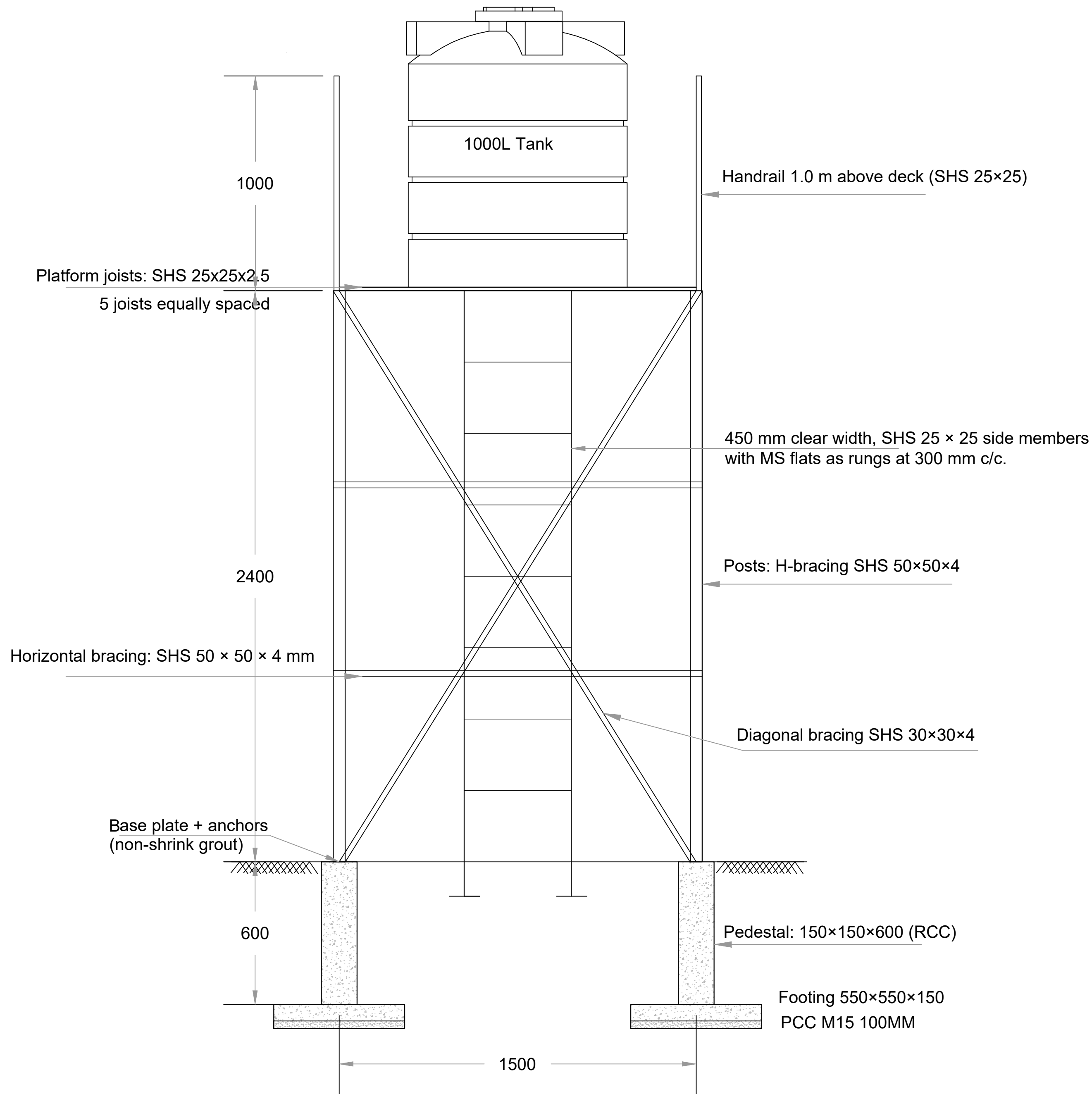
DATE :

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:
-------------	-----

APPROVED
BY:

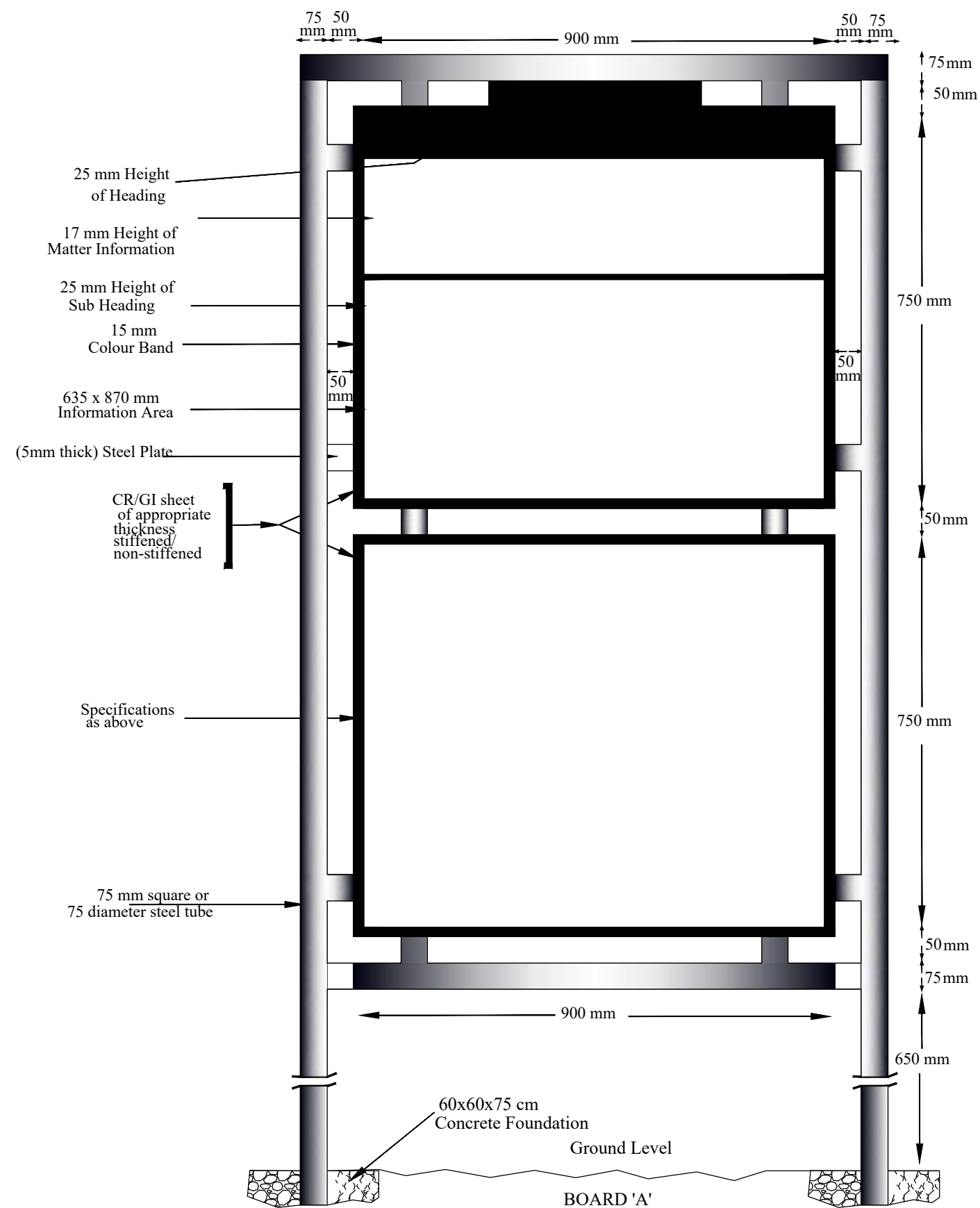
TEAM LEAD

A.E.

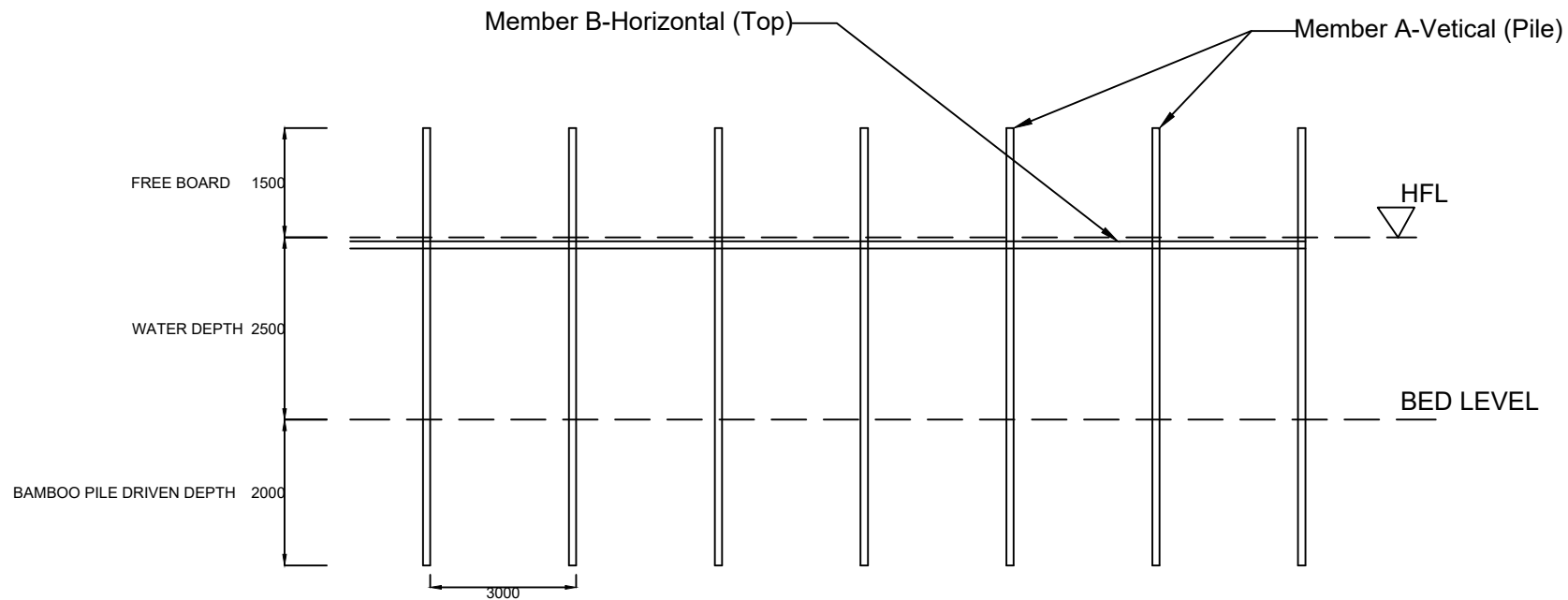
E.E.

S.E.

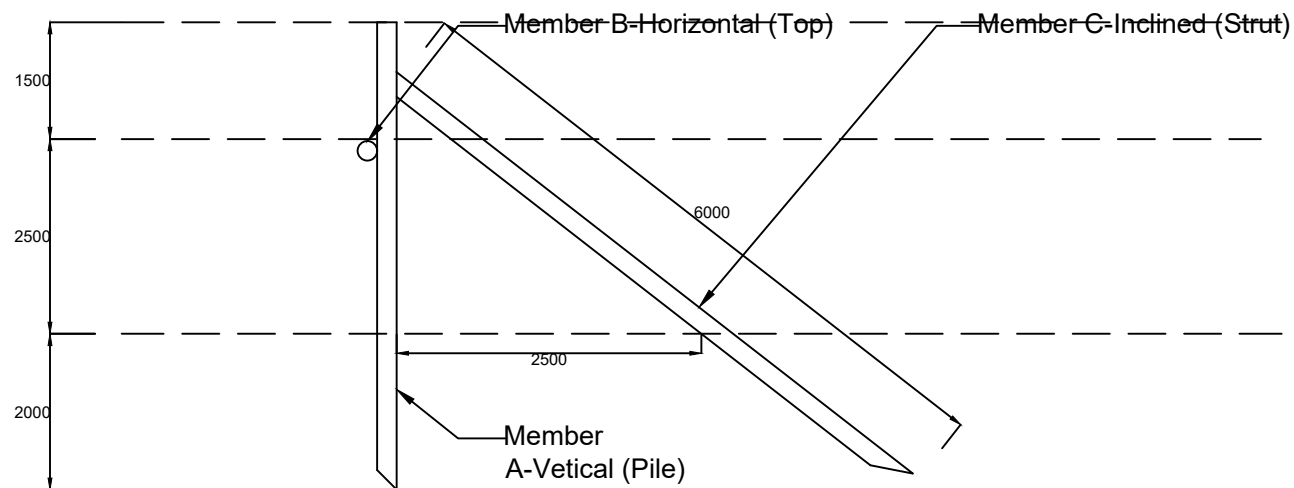
GENERAL ARRANGEMENT DRAWING FOR 1000L TANK WITH STAGING



PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : ARIAS SOCIETY			
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.



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



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