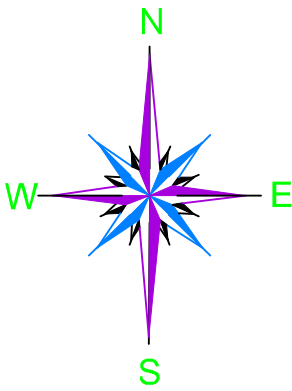
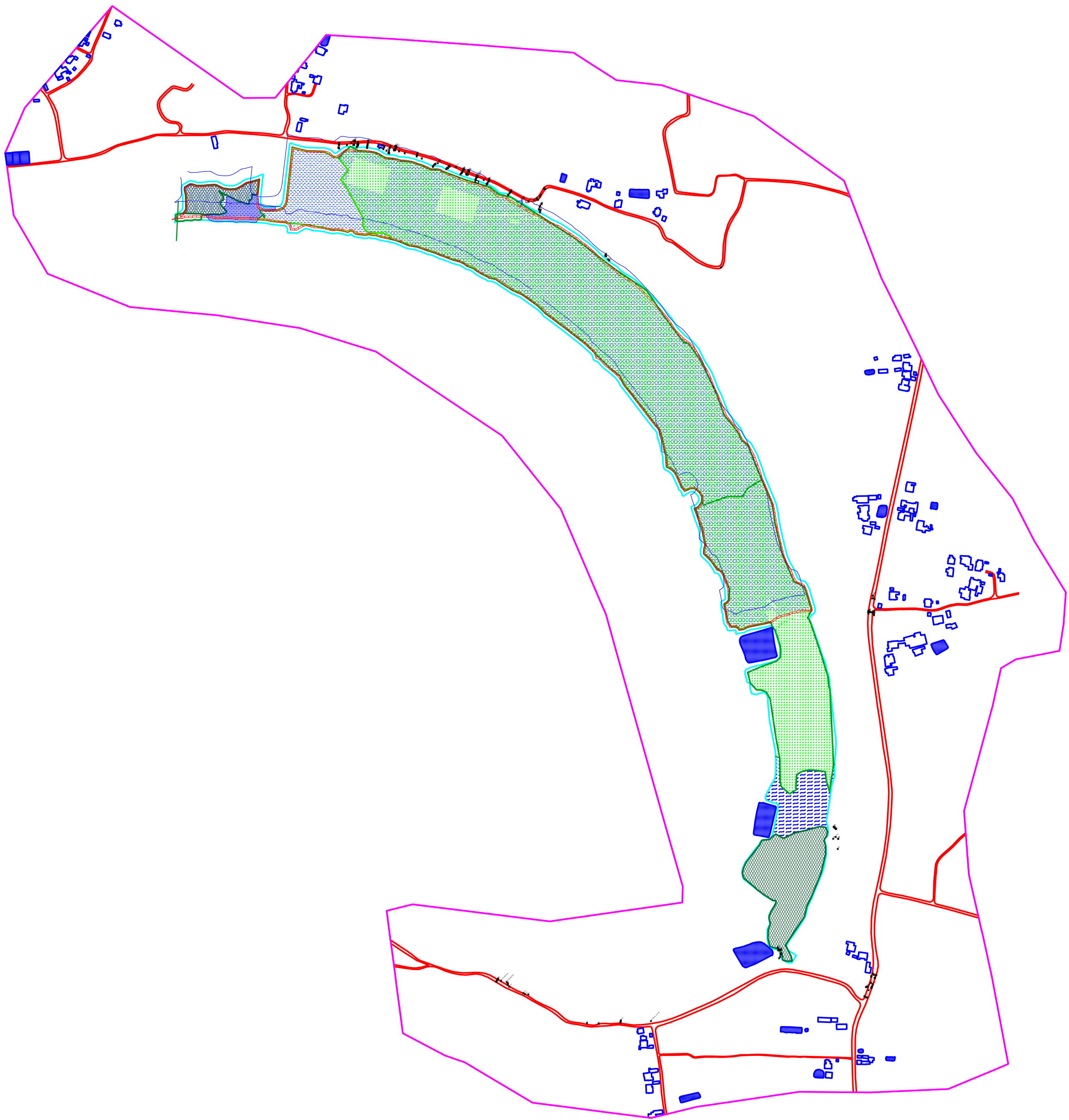
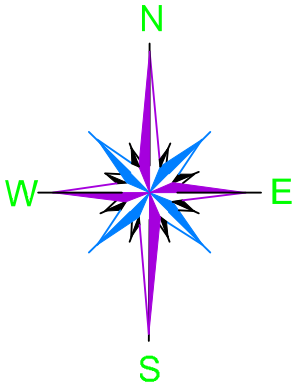
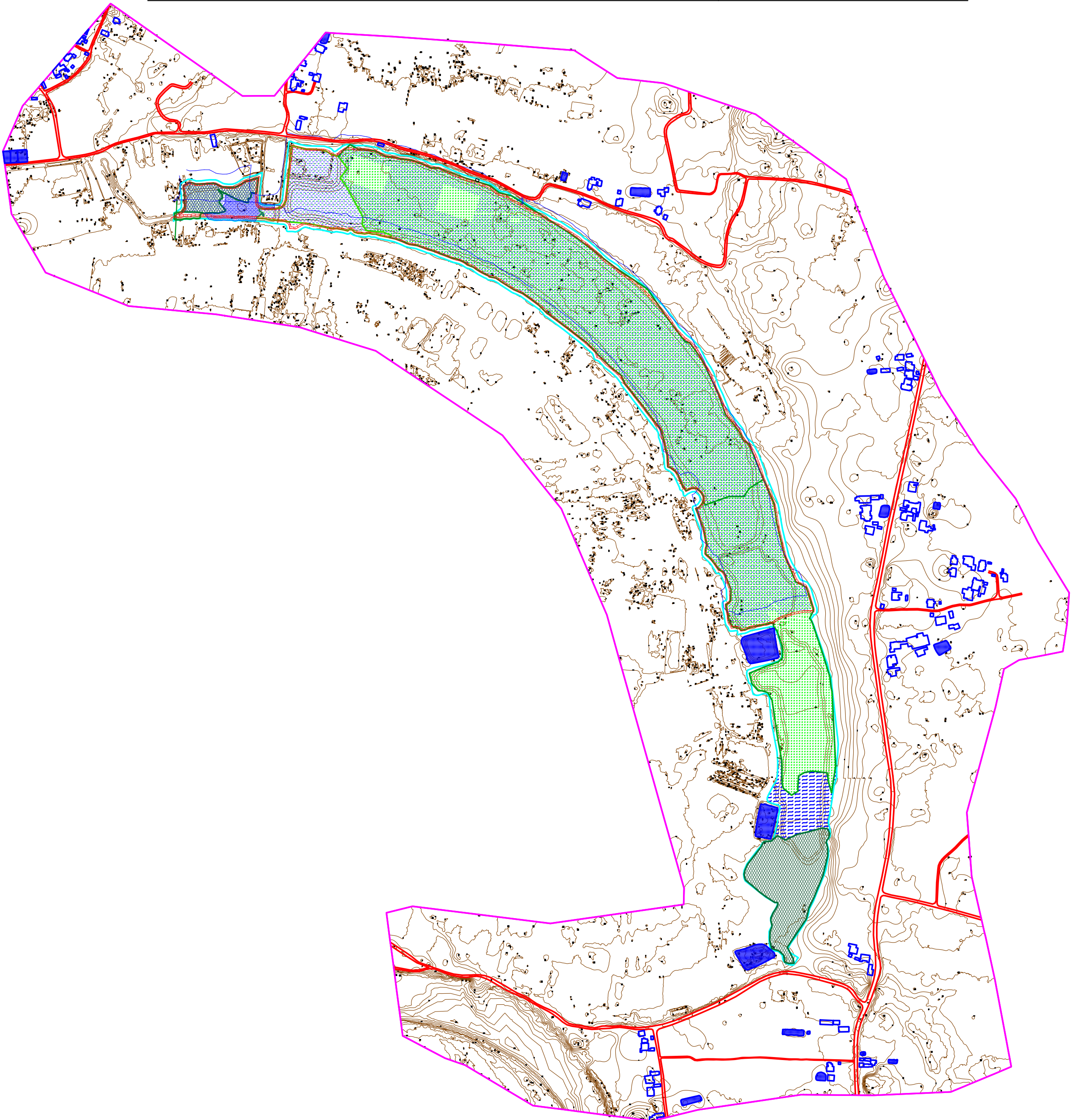


DGPS SURVEY LAYOUT MAP OF BORPATHORUA BEEL



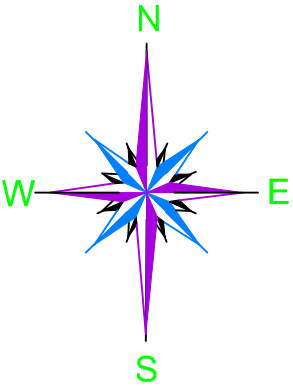
PACKAGE NO.: 03			
NAME OF THE BEEL: BORPATHORUA BEEL			
DEVELOPMENT BLOCK: GOLAGHAT EAST PADUMONI			
REVENUE VILLAGE: BORPATHORUA			
DISTRICT: GOLAGHAT			
AREA (Ha): 24.77 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG TITLE : DGPS SURVEY LAYOUT MAP OF BORPATHORUA 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 BORPATHORUA BEEL



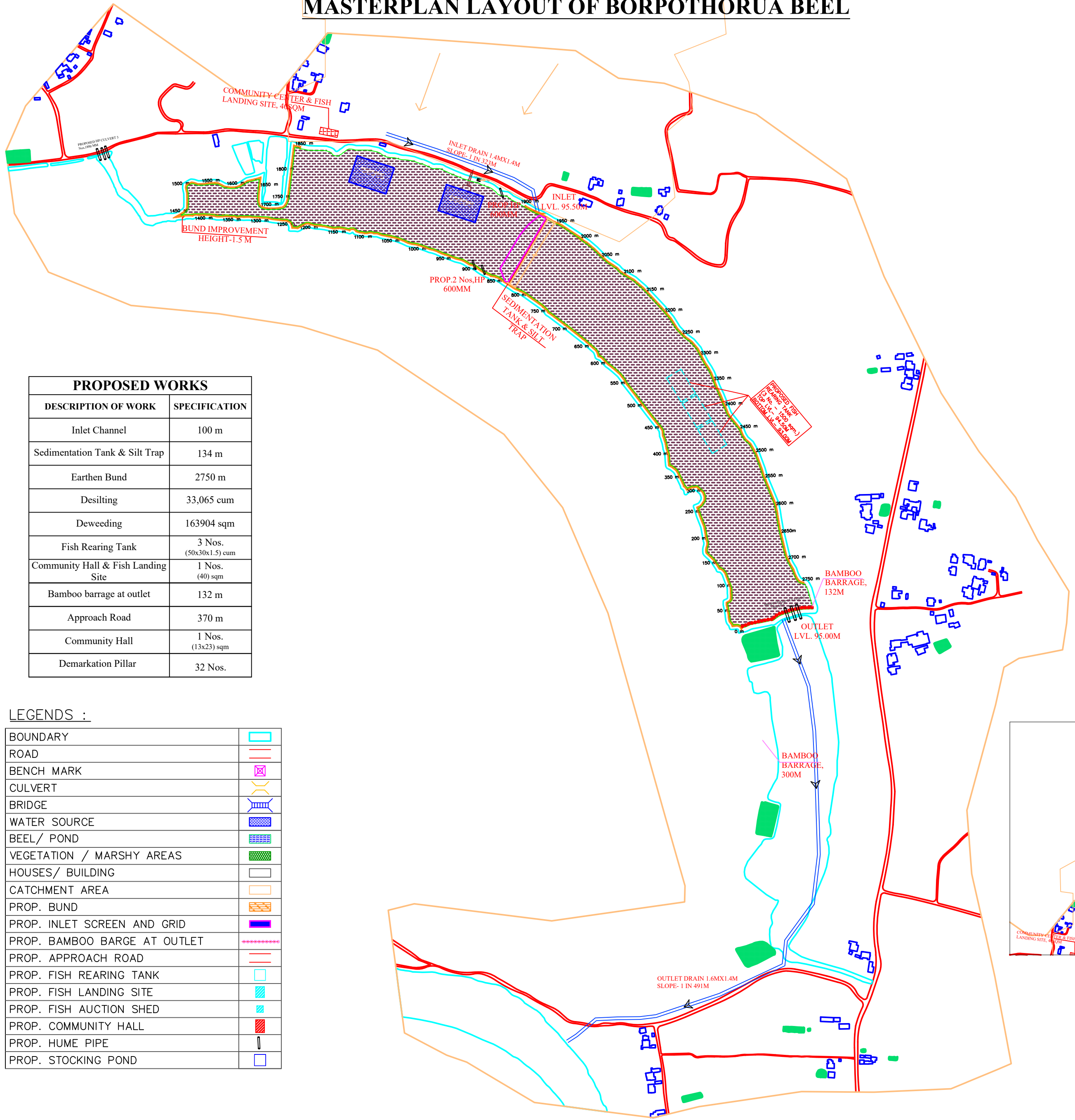
PACKAGE NO.: 03			
NAME OF THE BEEL: BORPATHORUA BEEL			
DEVELOPMENT BLOCK: GOLAGHAT EAST PADUMONI			
REVENUE VILLAGE: BORPATHORUA			
DISTRICT: GOLAGHAT			
AREA (Ha): 24.77 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG TITLE : CONTOUR MAP WITH BATHYMETRIC LEVELS OF BORPATHORUA 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 BORPATHORUA BEEL



PACKAGE NO.: 03			
NAME OF THE BEEL: BORPATHORUA BEEL			
DEVELOPMENT BLOCK: GOLAGHAT EAST PADUMONI			
REVENUE VILLAGE: BORPATHORUA			
DISTRICT: GOLAGHAT			
AREA (Ha): 24.77 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG TITLE : DRONE SURVEY MAP OF BORPATHORUA BEEL			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

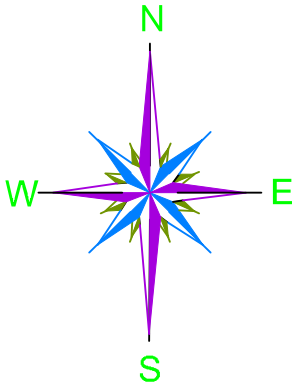
MASTERPLAN LAYOUT OF BORPOTHORUA BEEL



PROPOSED WORKS	
DESCRIPTION OF WORK	SPECIFICATION
Inlet Channel	100 m
Sedimentation Tank & Silt Trap	134 m
Earthen Bund	2750 m
Desilting	33,065 cum
Deweeding	163904 sqm
Fish Rearing Tank	3 Nos. (50x30x1.5) cum
Community Hall & Fish Landing Site	1 Nos. (40) sqm
Bamboo barrage at outlet	132 m
Approach Road	370 m
Community Hall	1 Nos. (13x23) sqm
Demarcation Pillar	32 Nos.

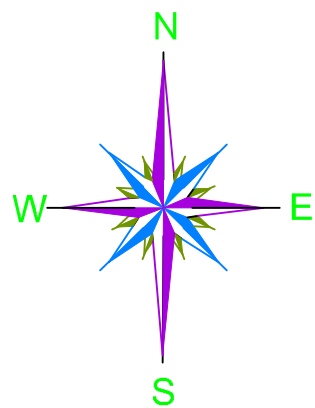
LEGENDS :

BOUNDARY	
ROAD	
BENCH MARK	
CULVERT	
BRIDGE	
WATER SOURCE	
BEEL/ POND	
VEGETATION / MARSHY AREAS	
HOUSES/ BUILDING	
CATCHMENT AREA	
PROP. BUND	
PROP. INLET SCREEN AND GRID	
PROP. BAMBOO BARGE AT OUTLET	
PROP. APPROACH ROAD	
PROP. FISH REARING TANK	
PROP. FISH LANDING SITE	
PROP. FISH AUCTION SHED	
PROP. COMMUNITY HALL	
PROP. HUME PIPE	
PROP. STOCKING POND	



PACKAGE NO.: 03			
NAME OF THE BEEL: BORPOTHORUA BEEL			
DEVELOPMENT BLOCK: GOLAGHAT EAST PADUMONI			
REVENUE VILLAGE: BORPATHORUA			
DISTRICT: GOLAGHAT			
AREA (Ha): 24.77 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
CONSULTANT :			
DWG TITLE : MASTERPLAN LAYOUT OF BORPOTHORUA BEEL			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.

DEWEEDING PLAN LAYOUT OF BORPOTHORUA BEEL



AREA DETAILS		
SYMBOL	DESCRIPTION	AREA (Sq. m)
Ⓐ	Thin and floating water hyacinths and other aquatic weeds etc.	0
Ⓑ	Thick and floating water hyacinths and other aquatic weeds etc.	0
Ⓒ	Thick and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 50 cm.	147625
Ⓓ	Medium and floating Taranies,Dalanies, Pitanies and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	16279
Ⓔ	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.:				03			
NAME OF THE BEEL:				BORPOTHORUA BEEL			
DEVELOPMENT BLOCK:				GOLAGHAT EAST PADUMONI			
REVENUE VILLAGE:				BORPATHORUA			
DISTRICT:				GOLAGHAT			
AREA (Ha):				24.77 Ha			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project							
CLIENT : 							
CONSULTANT : 							
DWG TITLE : DEWEEDING LAYOUT OF BORPOTHORUA BEEL							
DATE :				DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:				
DATE :	DATE :	DATE :	DATE :				
TEAM LEAD	A.E.	E.E.	S.E.				

LVL. 95.50M

1950 m

2000 m

SEDIMENTATION TANK & SILT TRAP

Turbulent
Flow Zone

Laminar Flow Zone

Accelerated
Flow Zone

Design flood
inflow

Design flood
outflow

Develop and stabilize steep
inflow pathway

Skimmer

Minimum Volume

d_{min}

1

3 to 5

Over excavate the pond bottom for
a deposition zone beginning at the
base of the inflow pathway

Anticipated pond
bottom level

1m high embankment with well
compacted soil and 300mm stone
pitching on top to prevent erosion

SCALE: NOT TO SCALE

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

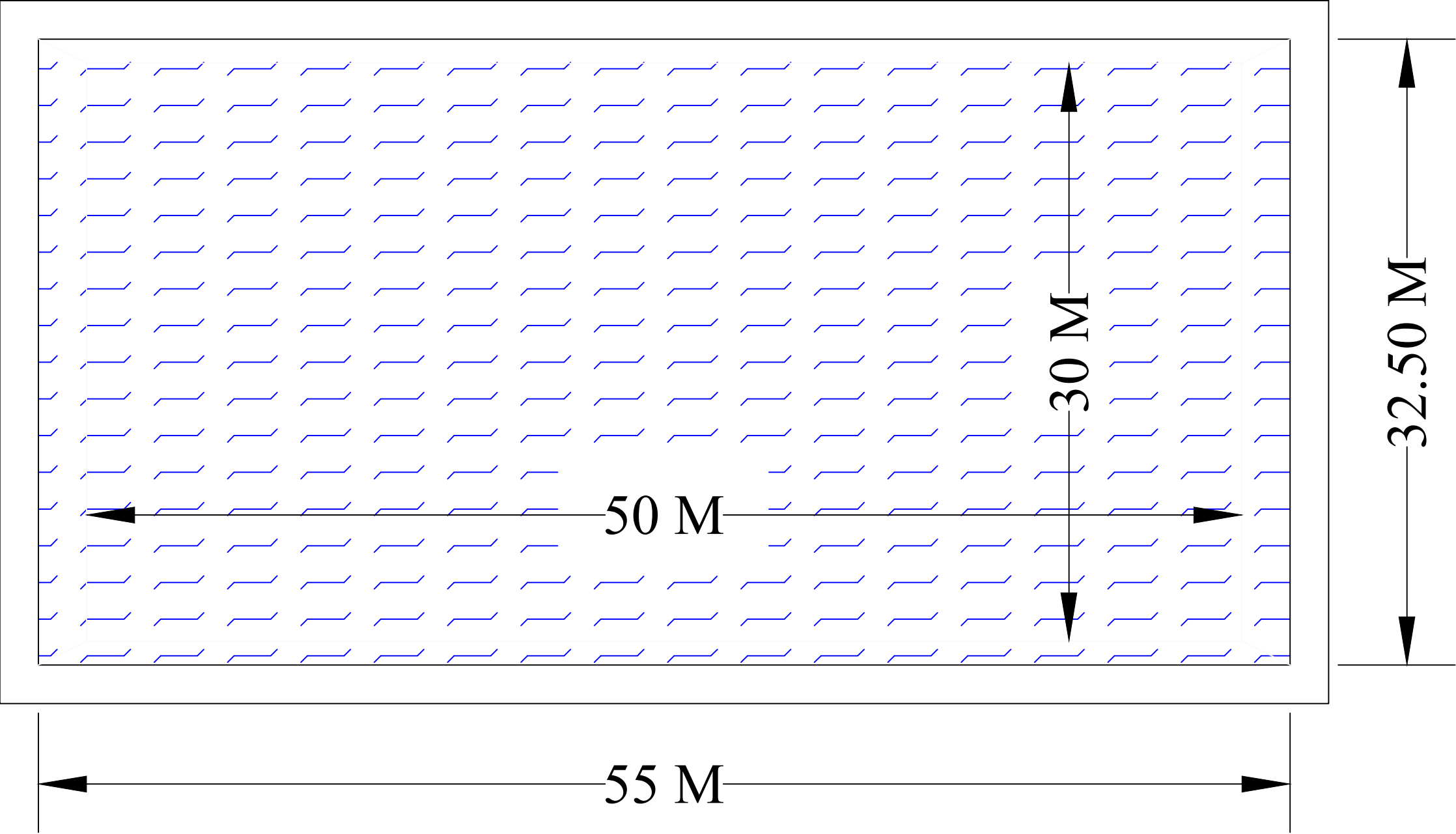
CLIENT :
 ARIAS Society
GOVERNMENT OF ASSAM
Rural Infrastructure and Agriculture Services Society

CONSULTANT :
 Shubh
Consultants & Technocrats LLP

DWG TITLE :
PLAN & CROSS-SECTION
OF SILT TRAP FOR BORPOTHORUA 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

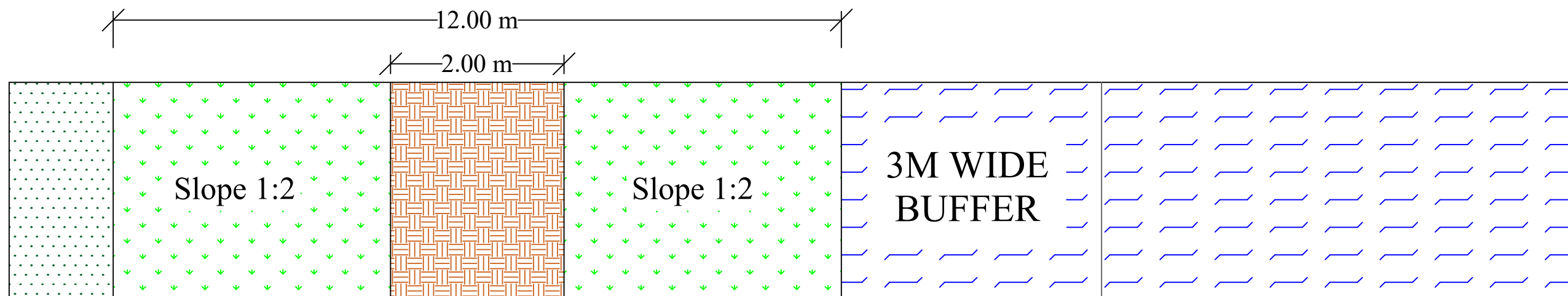


PLAN

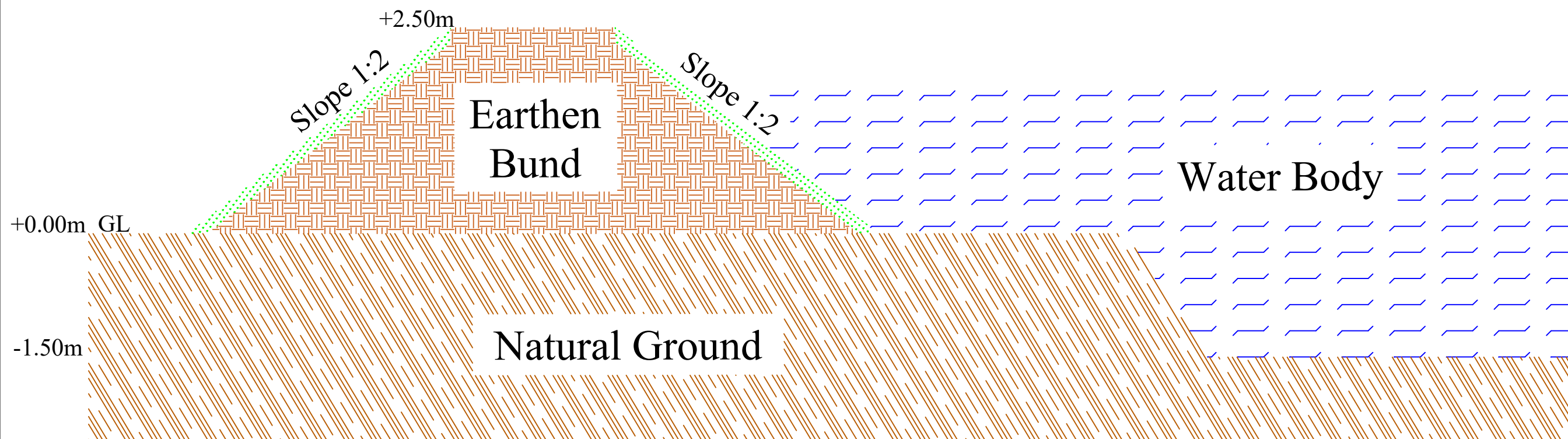


SECTION

SCALE: NOT TO SCALE			
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :  ARIAS Society GOVERNMENT OF ASSAM Rural Infrastructure and Agricultural Service 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
Rural Infrastructure and Agricultural Service Society

CONSULTANT :

Shubh
Consultants & Technocrats LLP

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

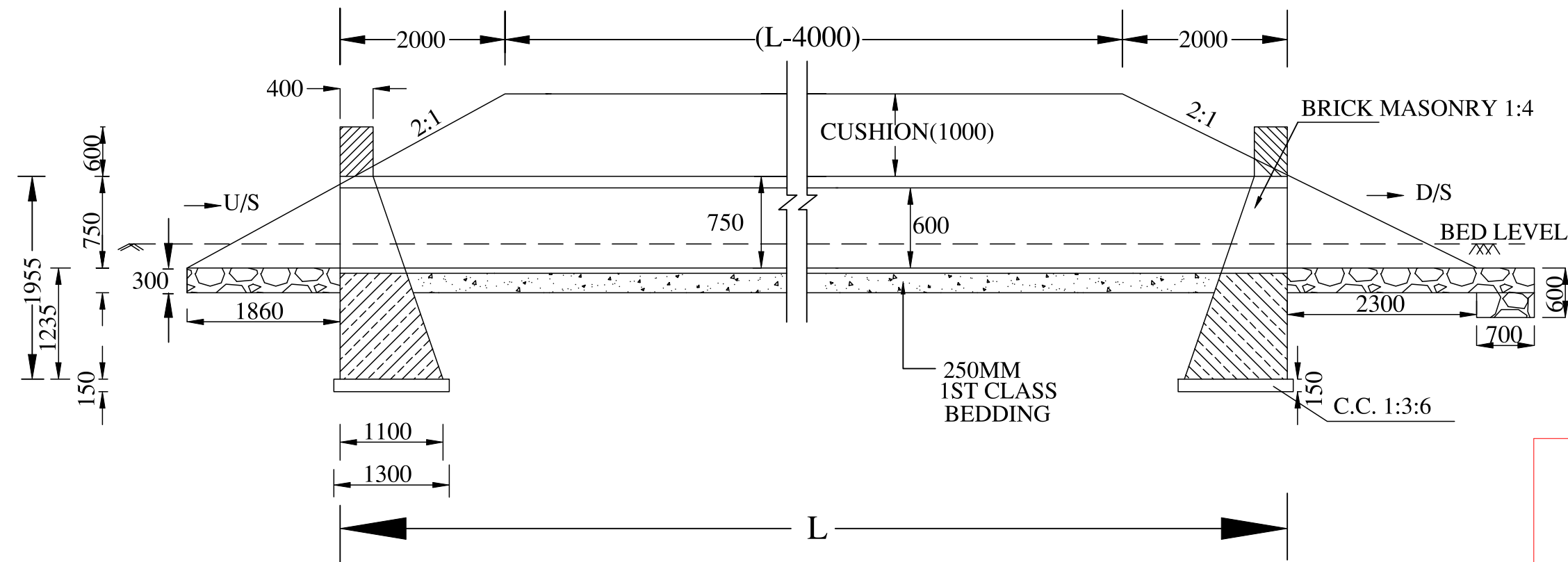
DATE :

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

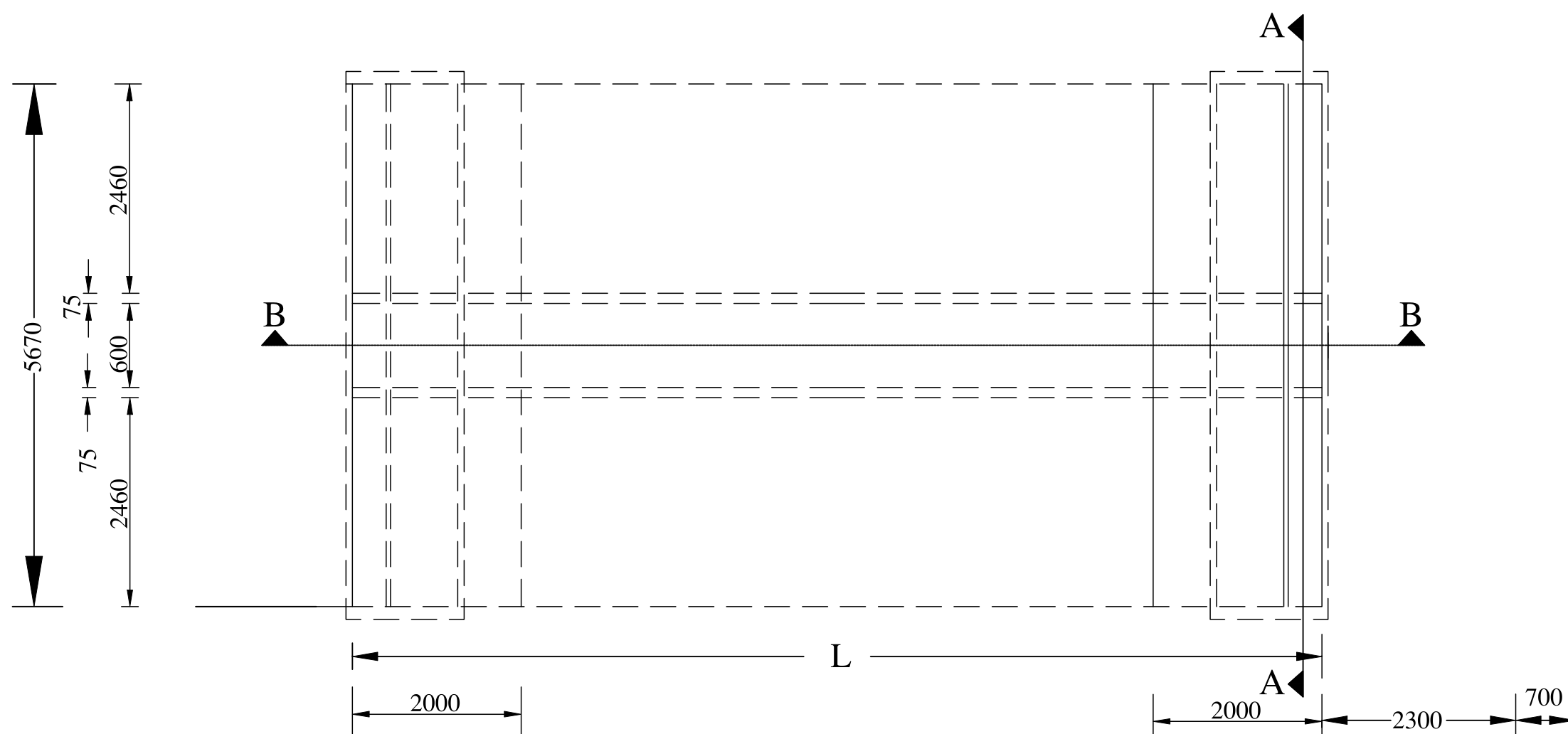
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DATE :	DATE :	DATE :	DATE :
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TEAM LEAD	A.E.	E.E.	S.E.
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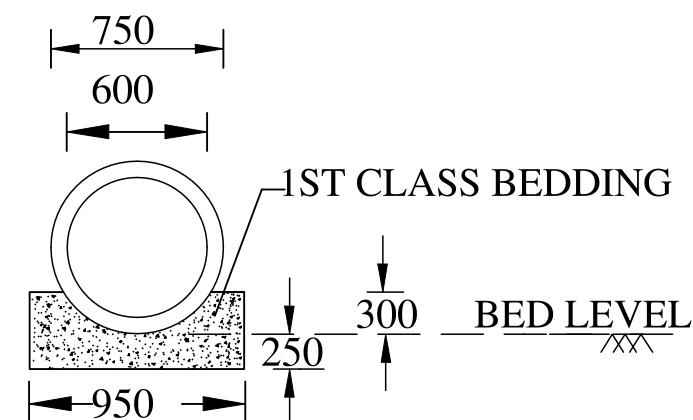
SECTION AT B-B



PLAN

NOTES:-

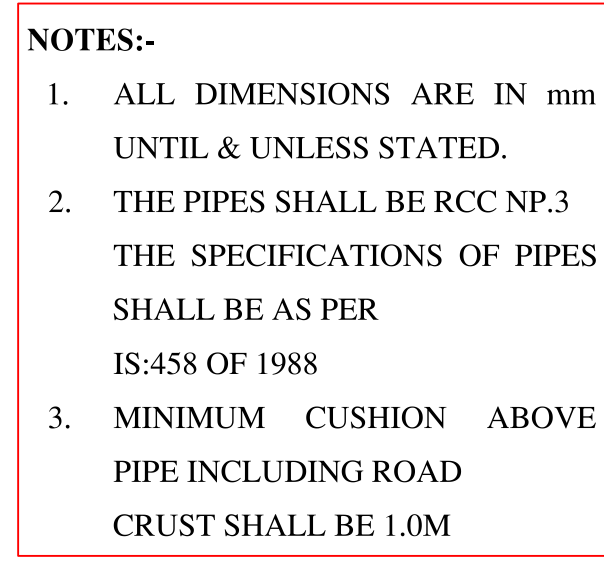
1. ALL DIMENSIONS ARE IN mm UNTIL & UNLESS STATED.
2. THE PIPES SHALL BE RCC NP.3 THE SPECIFICATIONS OF PIPES SHALL BE AS PER IS:458 OF 1988
3. MINIMUM CUSHION ABOVE PIPE INCLUDING ROAD CRUST SHALL BE 1.0M



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

SCALE: NOT TO SCALE

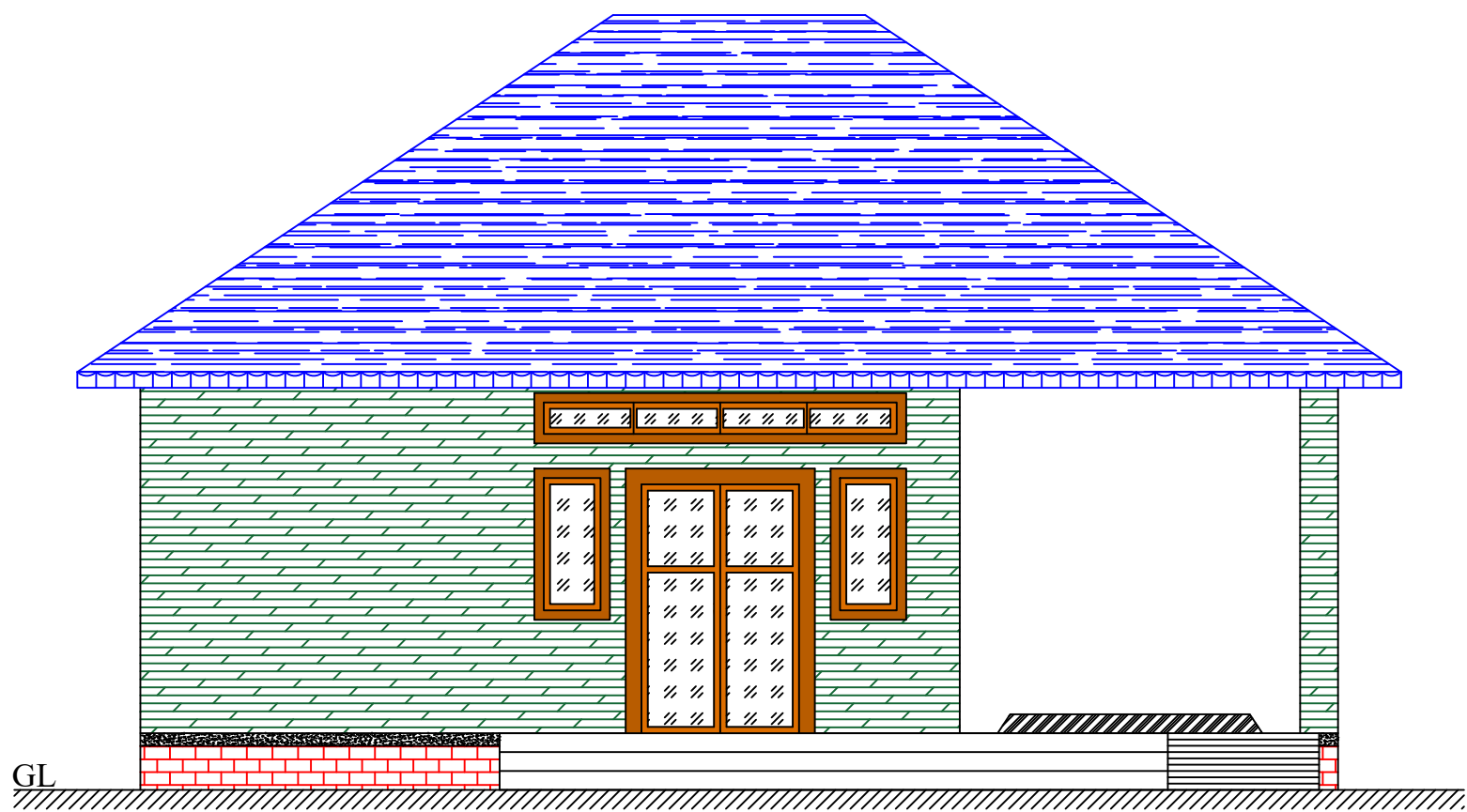
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : 			
CONSULTANT : 			
DWG TITLE : STANDARD DRAWING RCC PIPE CULVERT WITH SINGLE PIPE 0.60 METRE DIA.NP-3 (REF: IRC:SP20)			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



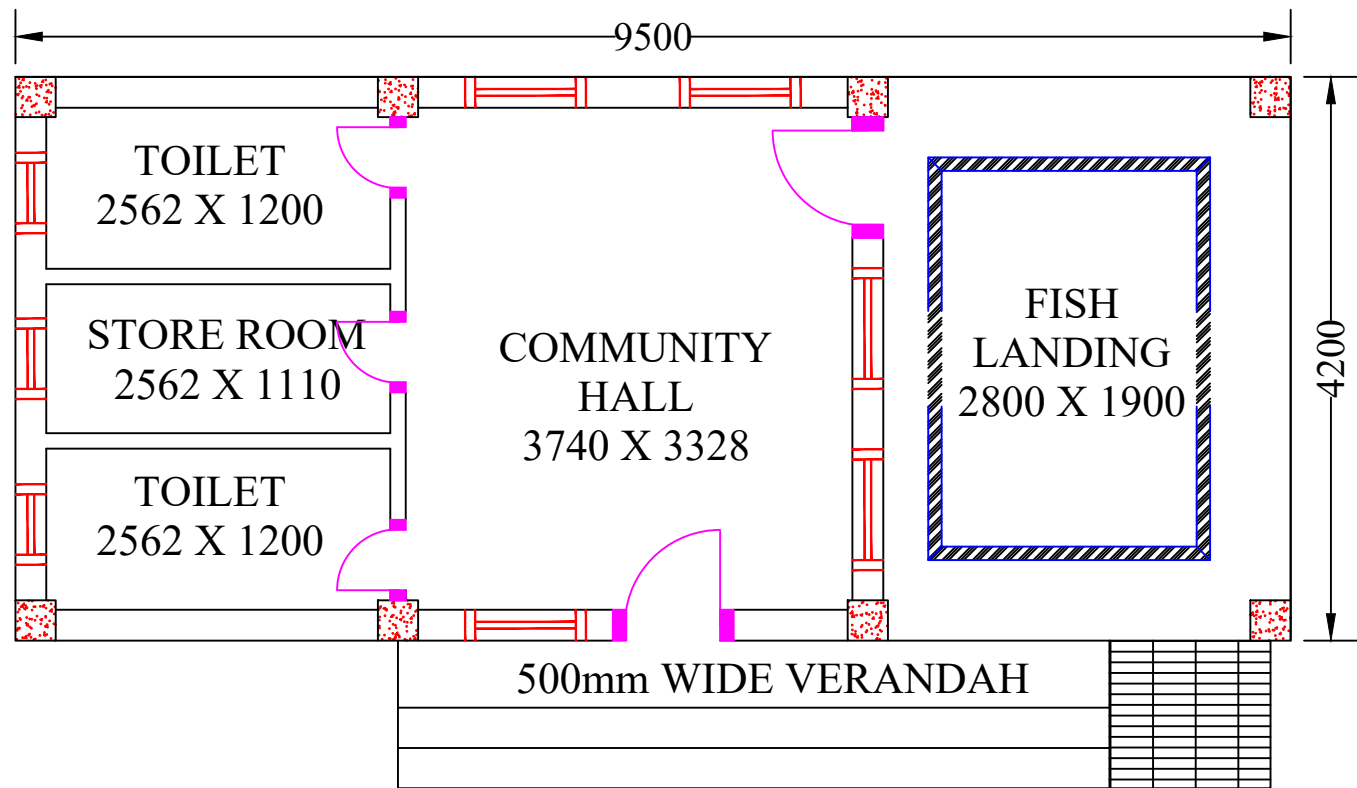
The diagram illustrates the cross-section of a pipe bed. A circular pipe is shown resting on a bed of bedding. The bedding is labeled "1ST CLASS BEDDING". The pipe has an outer diameter of 2100 and an inner diameter of 1800. The bedding layer has a thickness of 250. The total width of the bedding layer is 2300. The bedding is shown on a "BED LEVEL" which is indicated by a dashed line and the symbol "XXX". The bedding is also shown on a "BED LEVEL" which is indicated by a dashed line and the symbol "XXX".



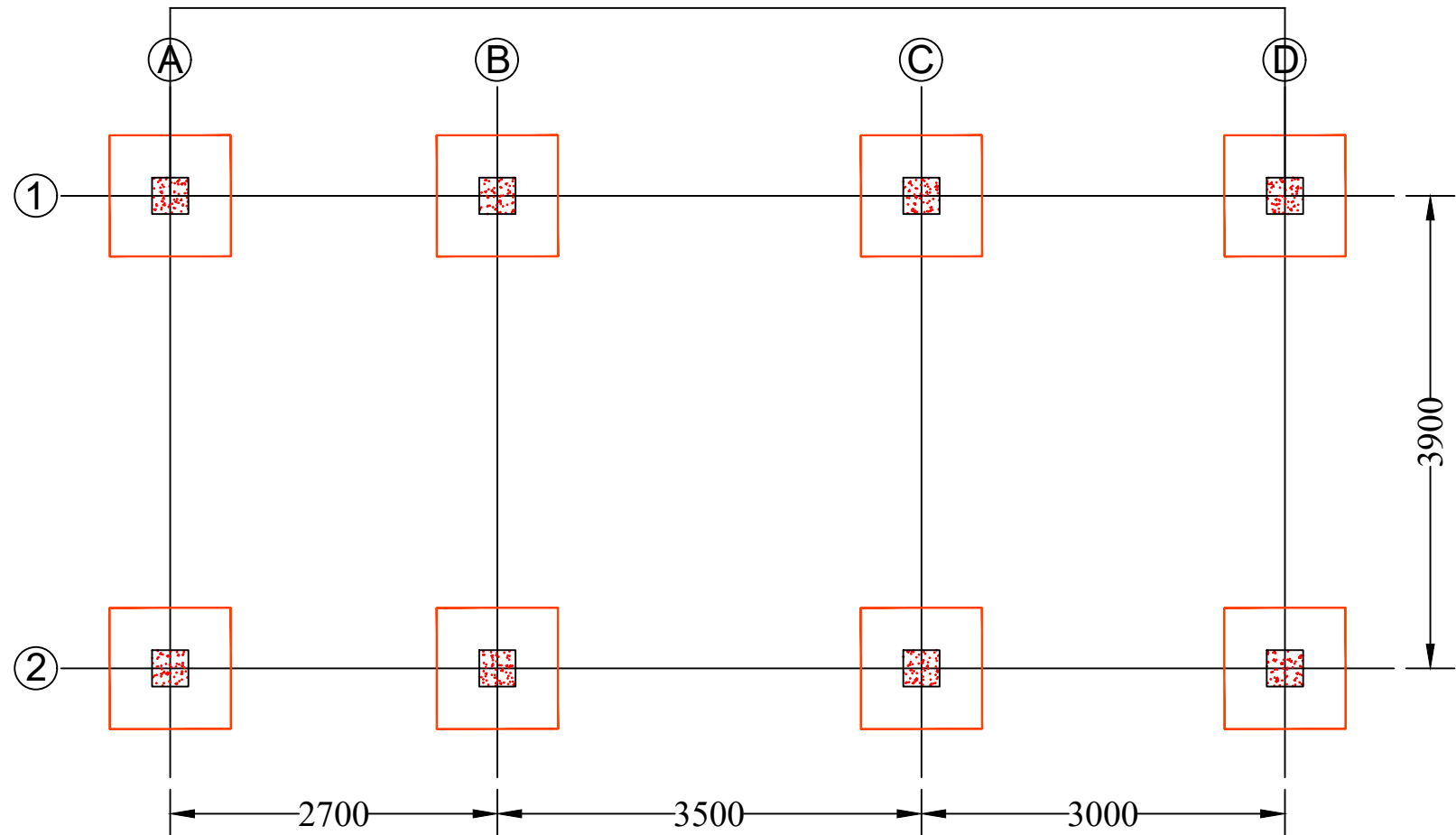
PROJECT TITLE : Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT :			
CONSULTANT :			
		Shubh Consultants & Technocrats LLP	
DWG TITLE : STANDARD DRAWING RCC PIPE CULVERT WITH SINGLE PIPE 1.8 METRE DIA.NP-3 (REF: IRC:SP20)			
DATE :		DATE :	
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



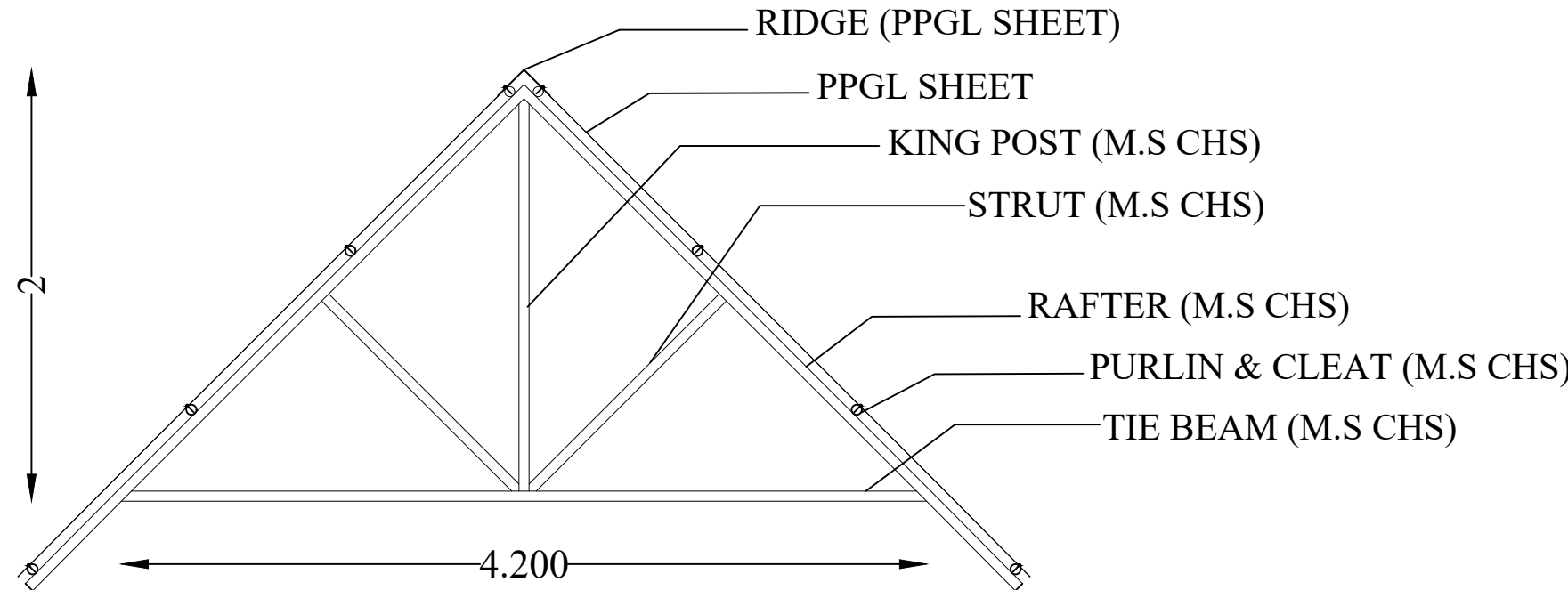
FRONT ELEVATION



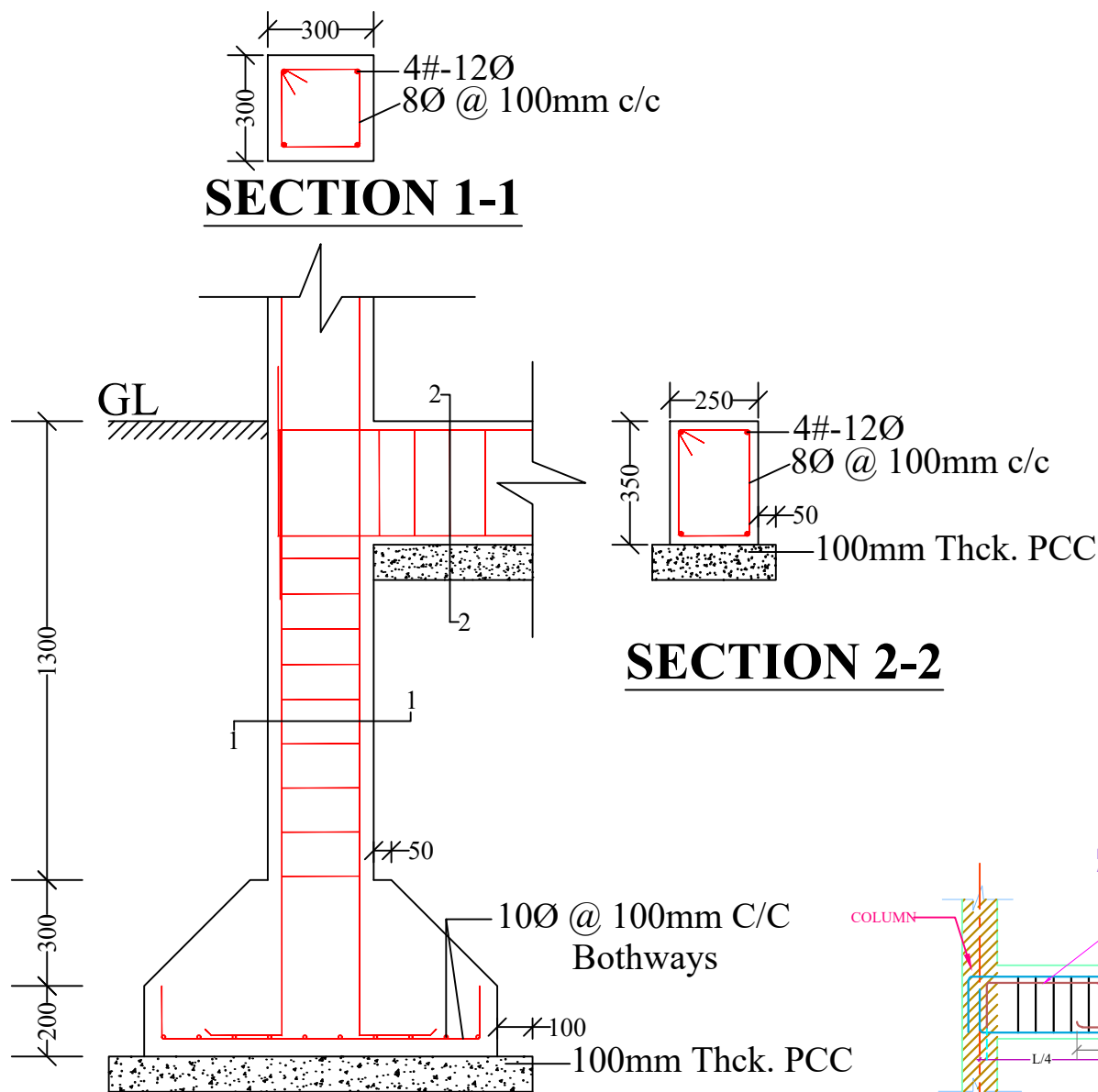
PLAN



FOOTING LAYOUT

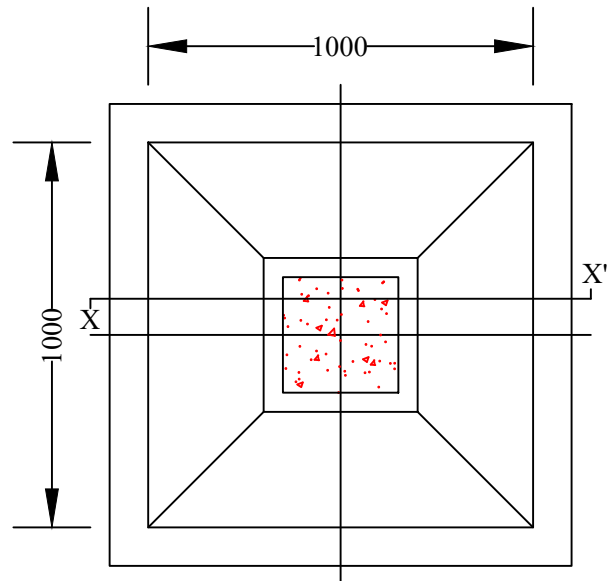


SECTION 1-1

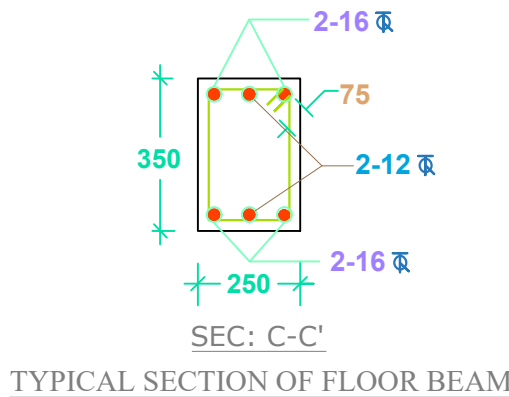
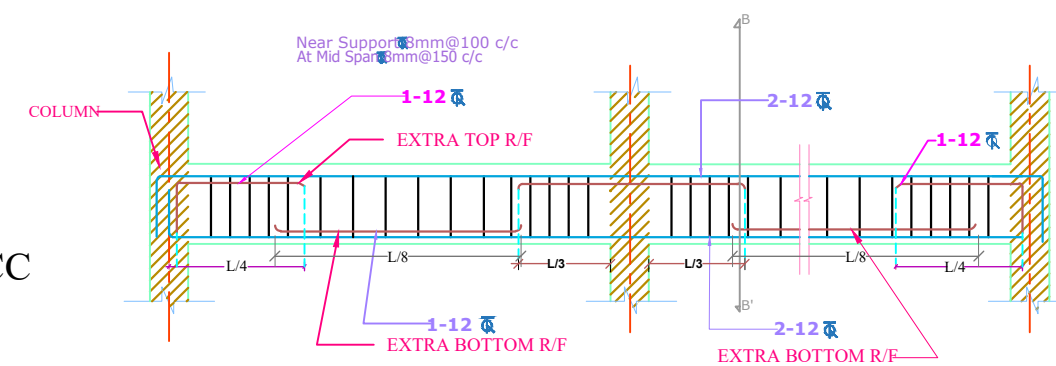


SECTION 2-2

SECTION X-X'



FOOTING PLAN



SEC: C-C'
TYPICAL SECTION OF FLOOR BEAM

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 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.

SCALE: NOT TO SCALE

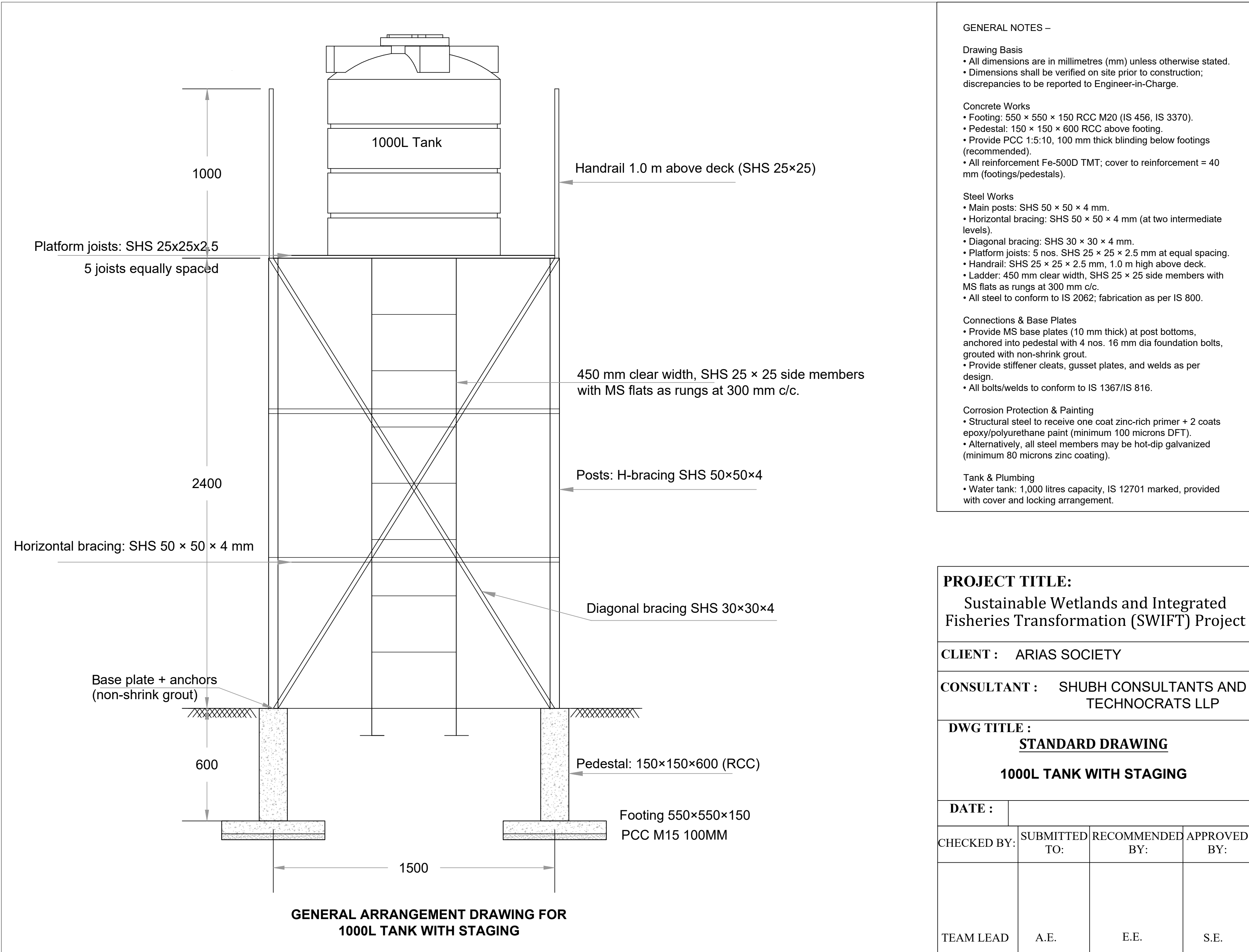
PROJECT TITLE:
Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project

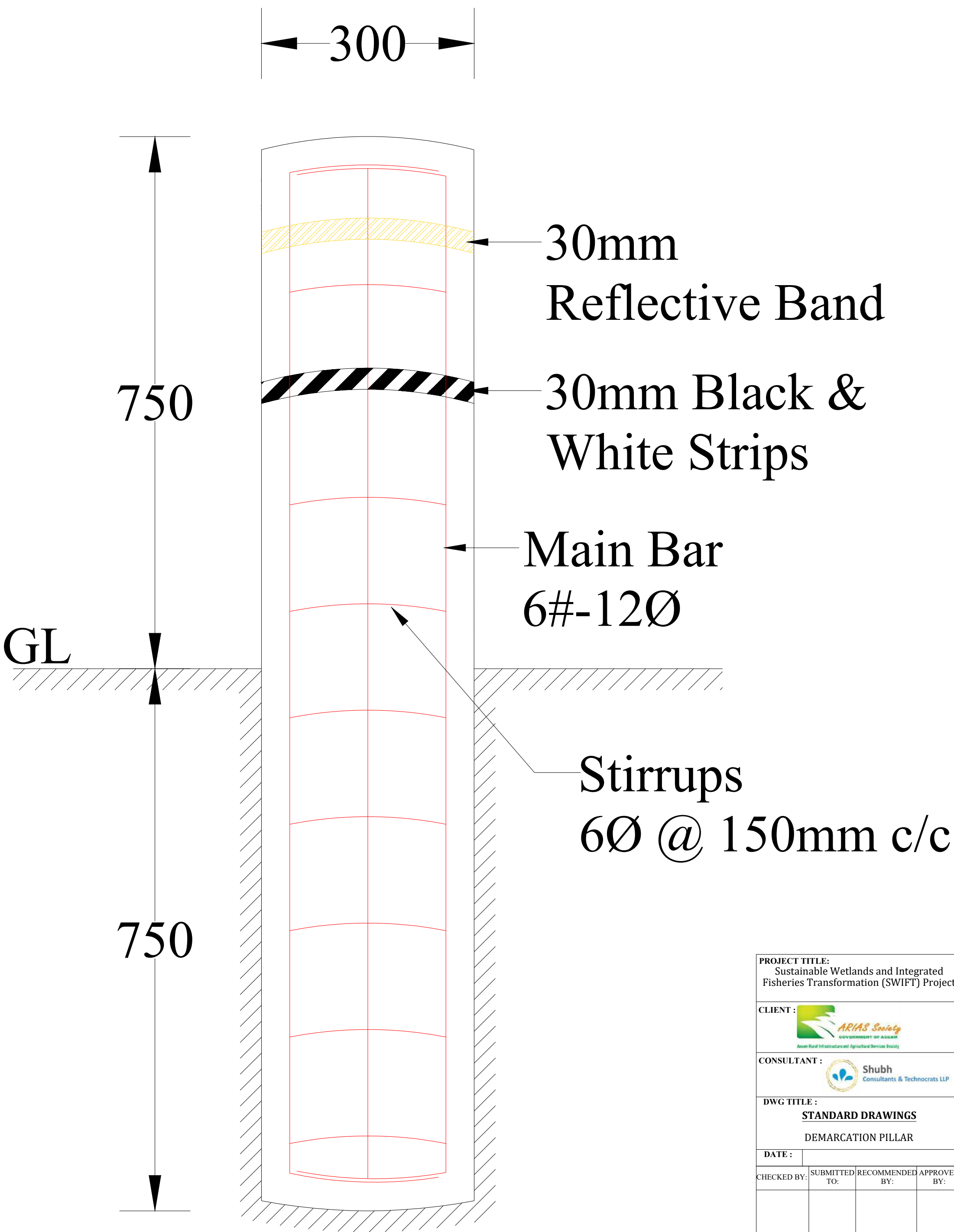
CLIENT :


CONSULTANT :


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

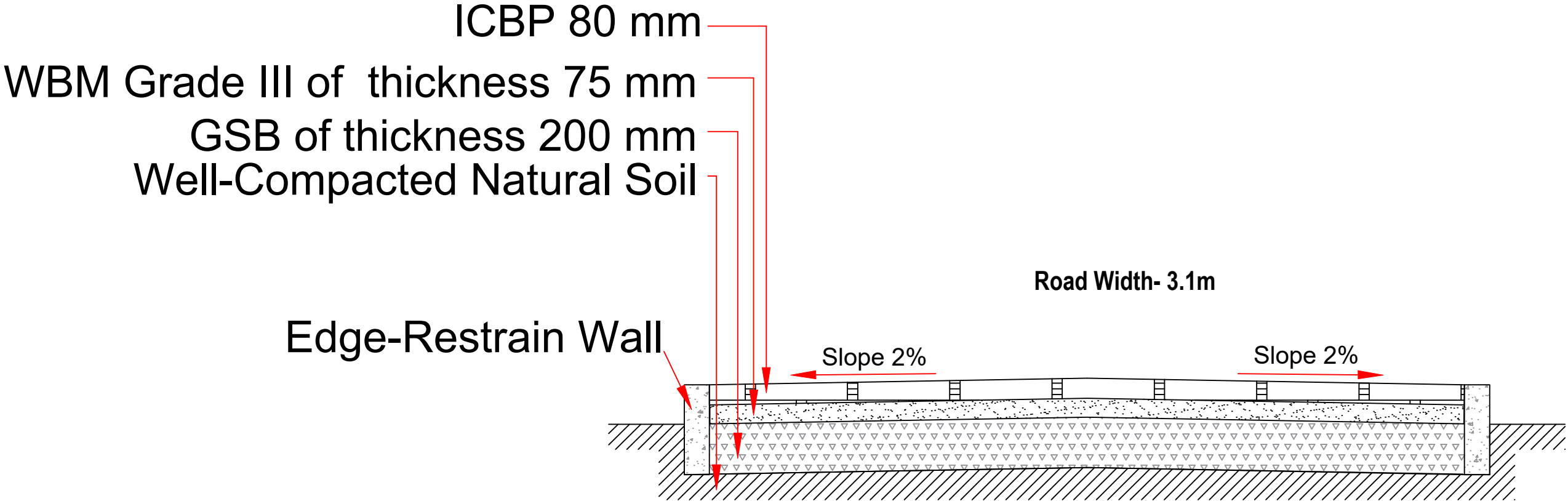
DATE :	DATE :	DATE :	DATE :
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
TEAM LEAD	A.E.	E.E.	S.E.





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



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.

TYPICAL SECTION OF APPROACH ROAD

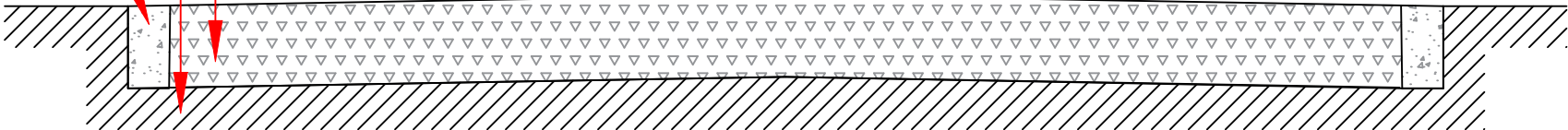
GSB of thickness 200 mm
Well-Compacted Natural Soil

Edge-Restraint Wall

Road Width- 3.1m

Slope 2%

Slope 2%

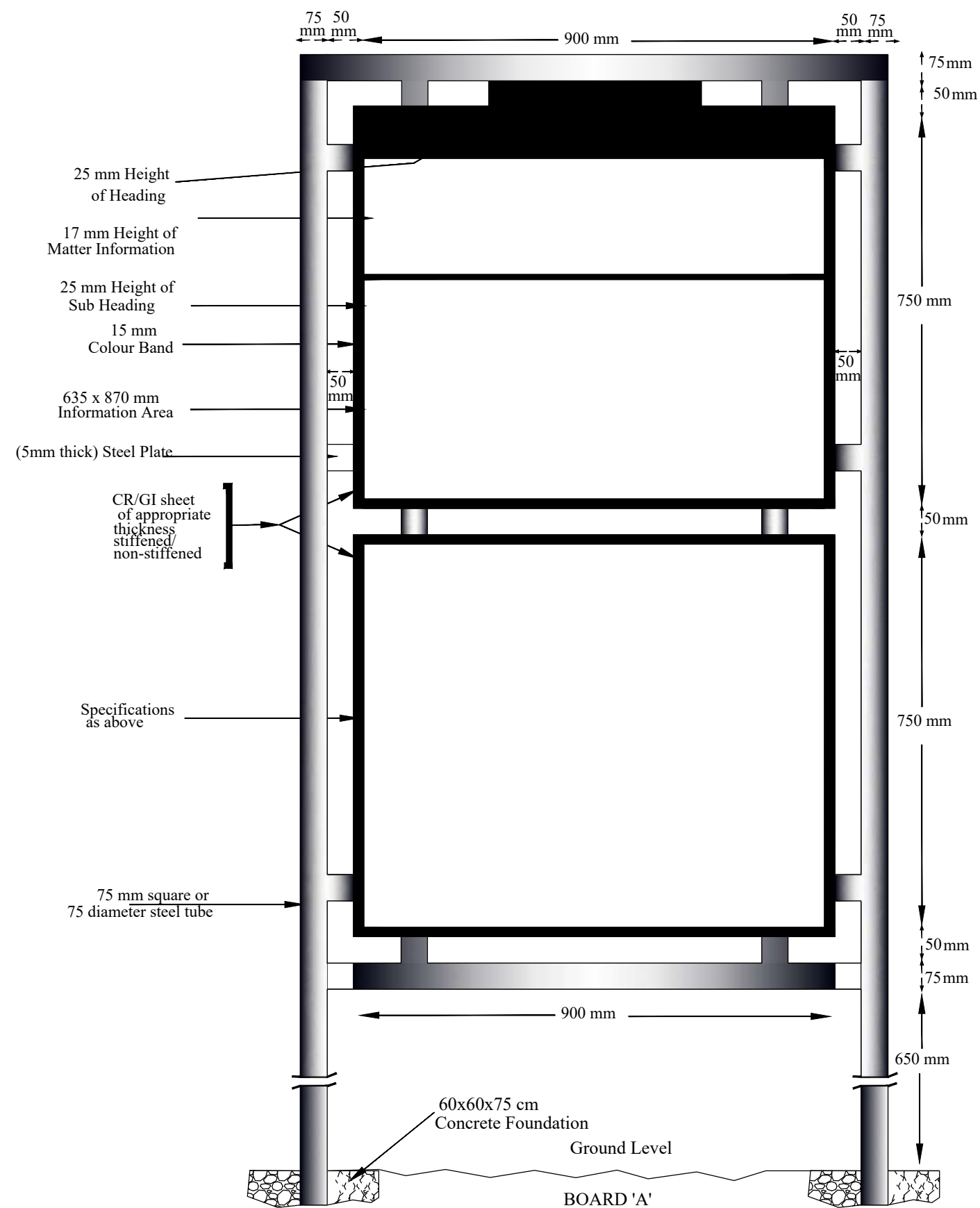


PROJECT TITLE:
Sustainable Wetlands and Integrated
Fisheries Transformation (SWIFT) Project

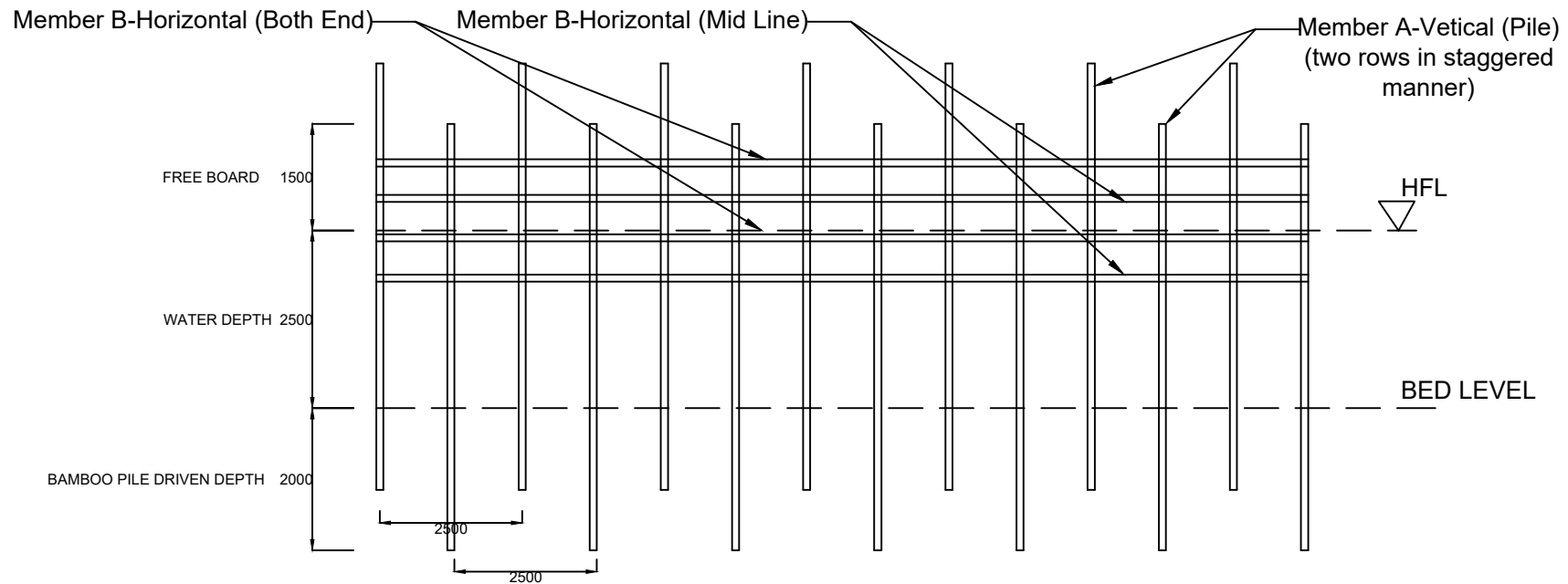


DWG TITLE :
TYPICAL SECTION OF
APPROACH ROAD

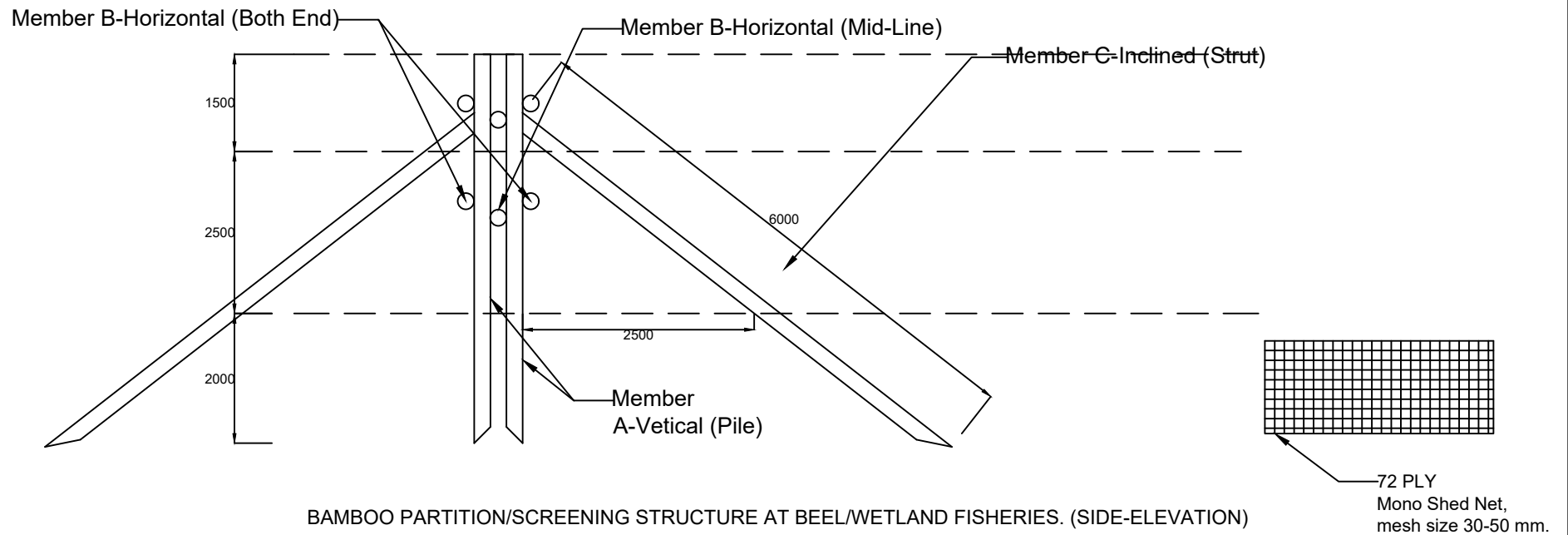
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
DATE :	DATE :	DATE :	DATE :
TEAM LEAD	A.E.	E.E.	S.E.



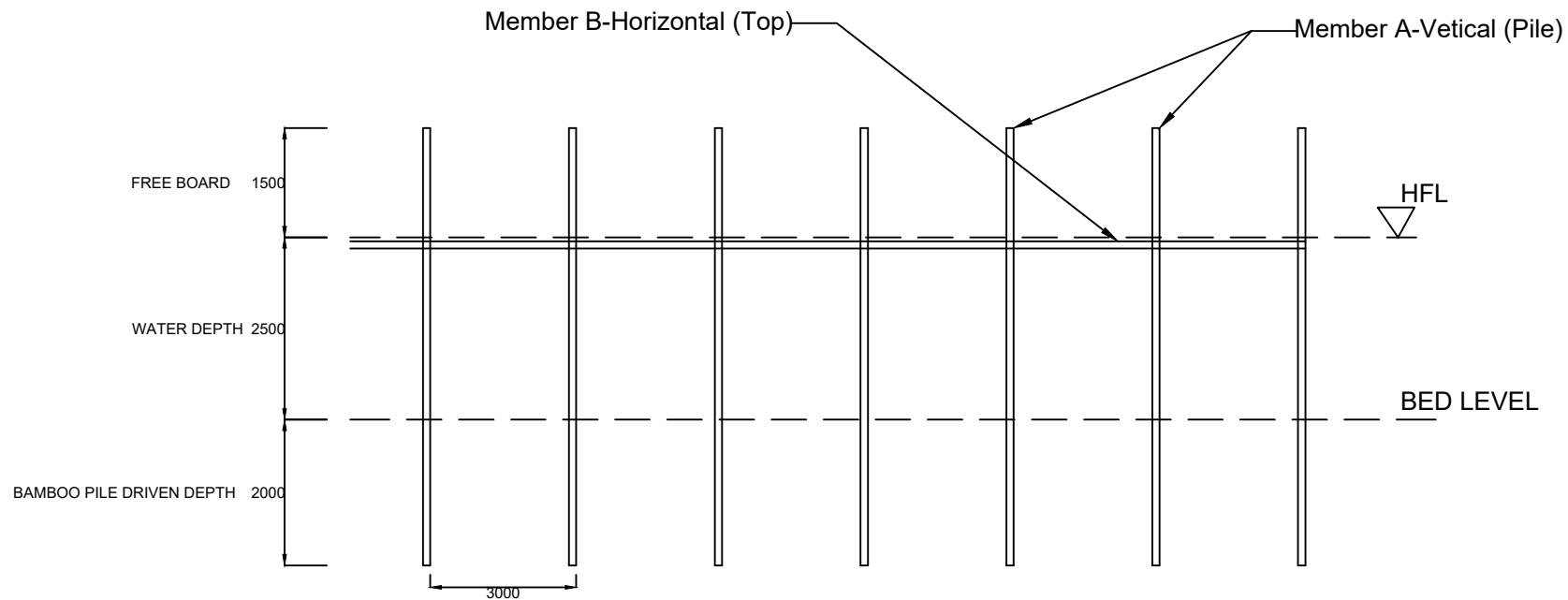
PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project			
CLIENT : ARIAS SOCIETY			
CONSULTANT : SHUBH CONSULTANTS AND TECHNOCRATS LLP			
DWG TITLE : STANDARD DRAWING INFORMATION BOARD			
DATE :			
CHECKED BY:	SUBMITTED TO:	RECOMMENDED BY:	APPROVED BY:
TEAM LEAD	A.E.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



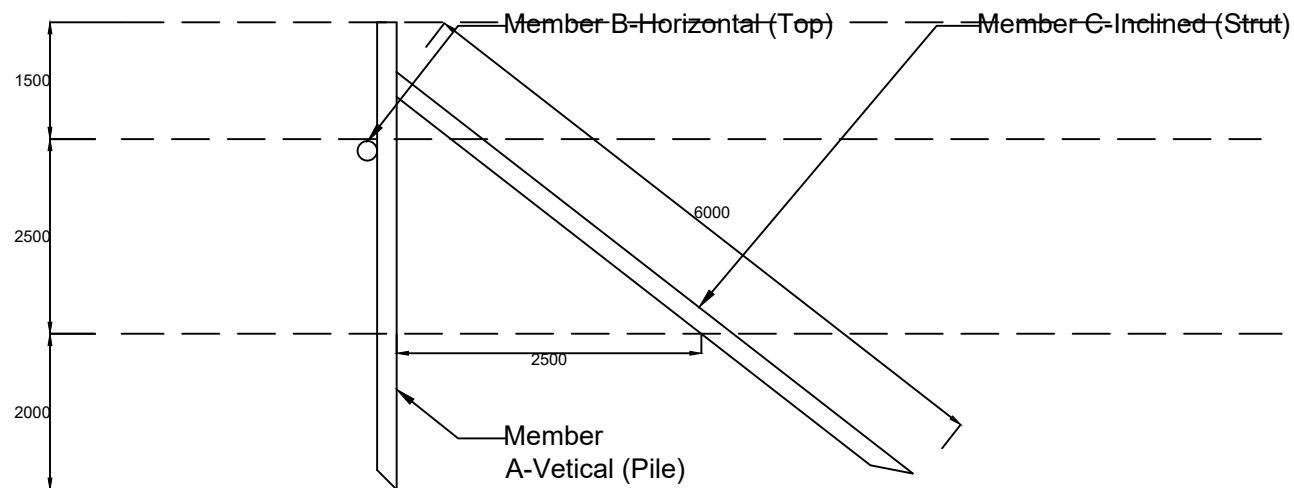
BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



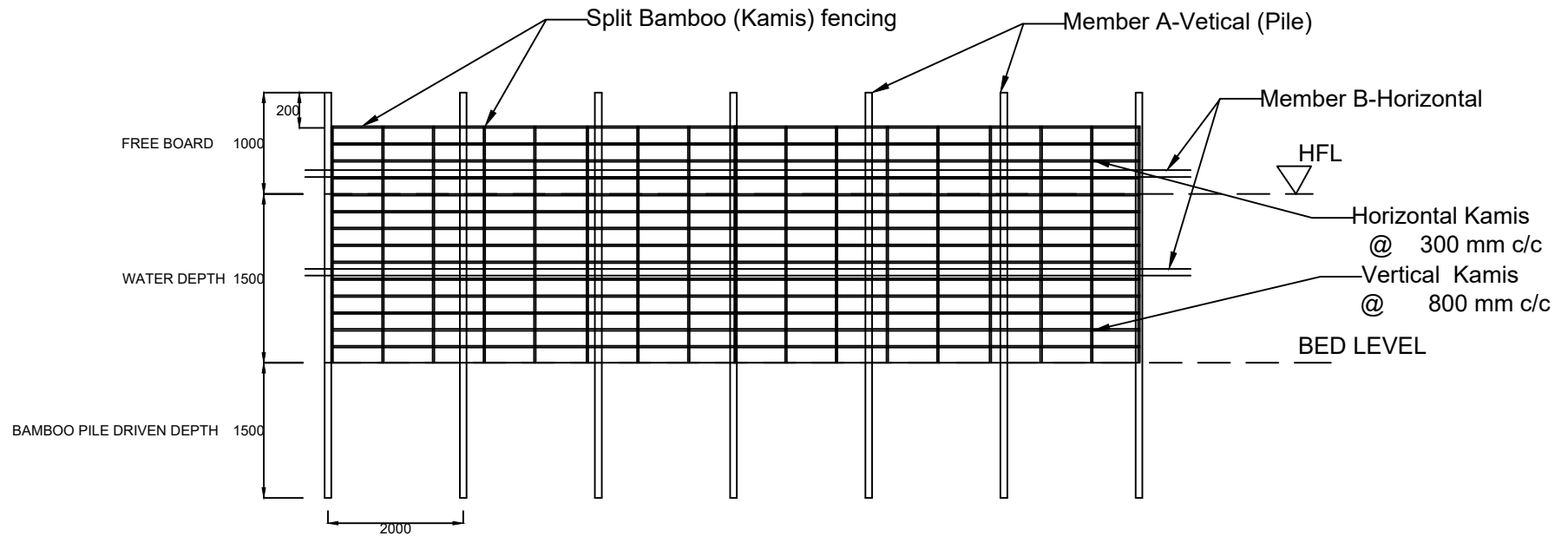
BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)



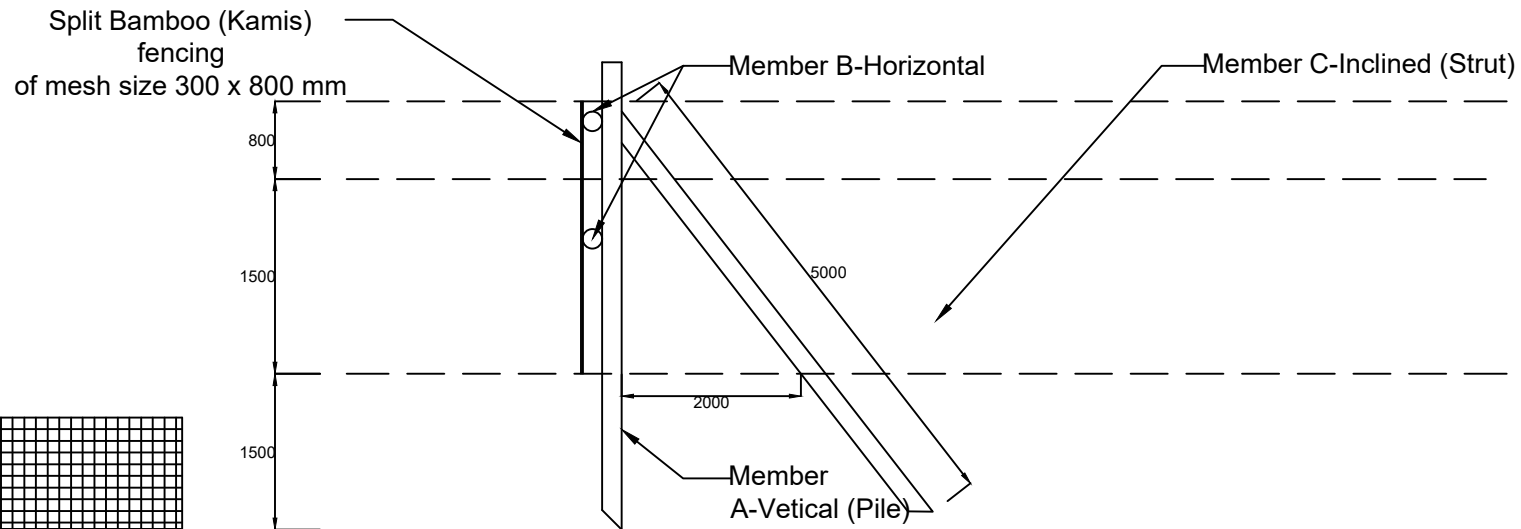
KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



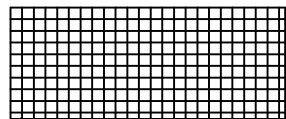
KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)



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.