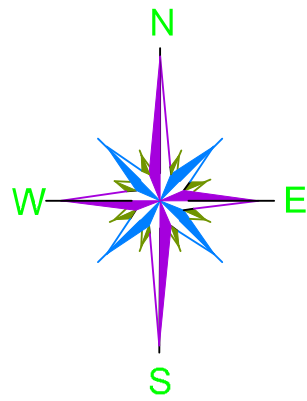


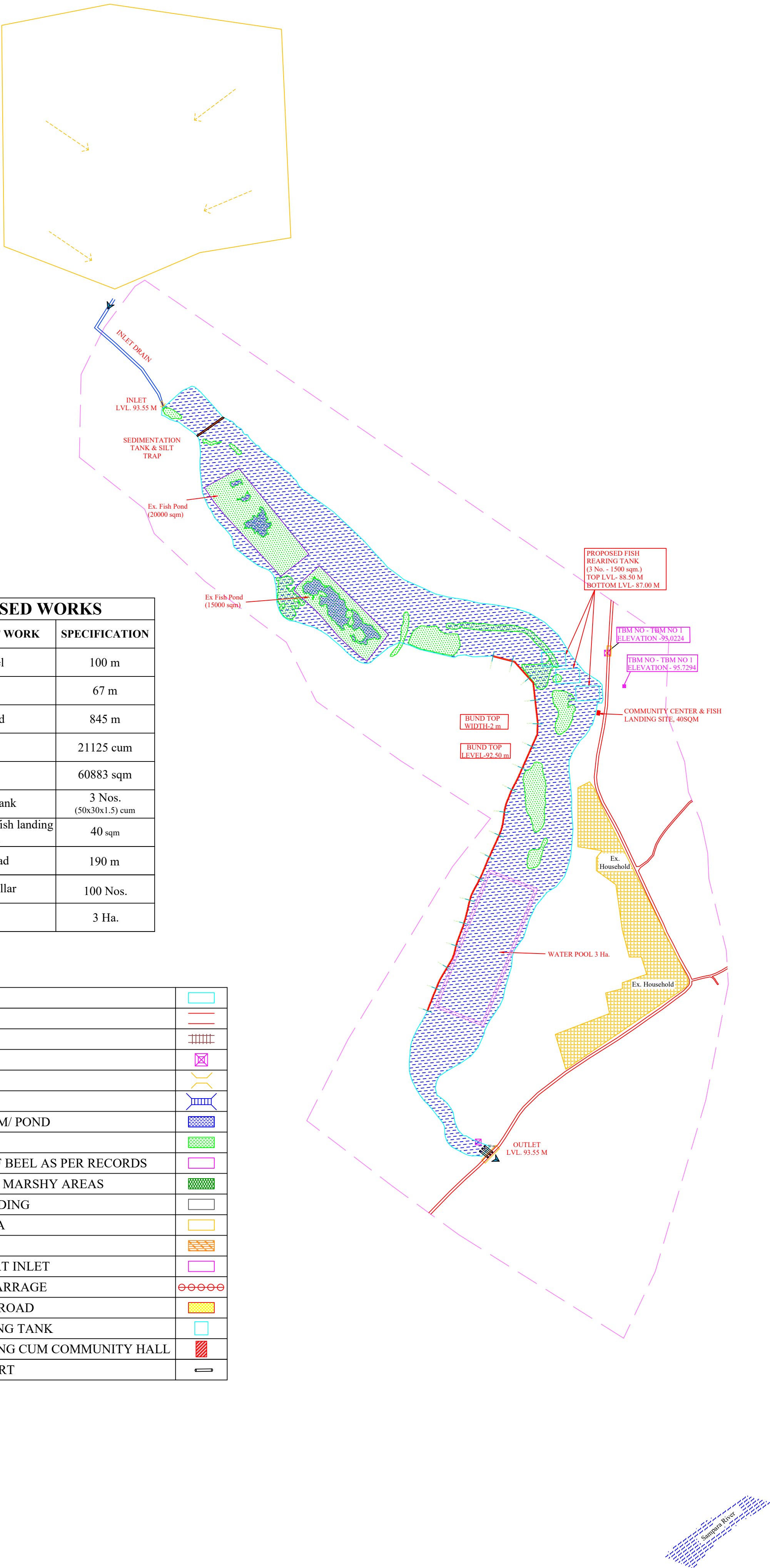
# LAYOUT PLAN OF MER BEEL



| PROPOSED WORKS                               |                           |
|----------------------------------------------|---------------------------|
| DESCRIPTION OF WORK                          | SPECIFICATION             |
| Inlet Channel                                | 100 m                     |
| Silt Trap                                    | 67 m                      |
| Earthen Bund                                 | 845 m                     |
| Desilting                                    | 21125 cum                 |
| Deweeding                                    | 60883 sqm                 |
| Fish Rearing Tank                            | 3 Nos.<br>(50x30x1.5) cum |
| Community center & fish landing site, 40 sqm | 40 sqm                    |
| Approach Road                                | 190 m                     |
| Demarkation Pillar                           | 100 Nos.                  |
| Water Pool                                   | 3 Ha.                     |

## LEGENDS :

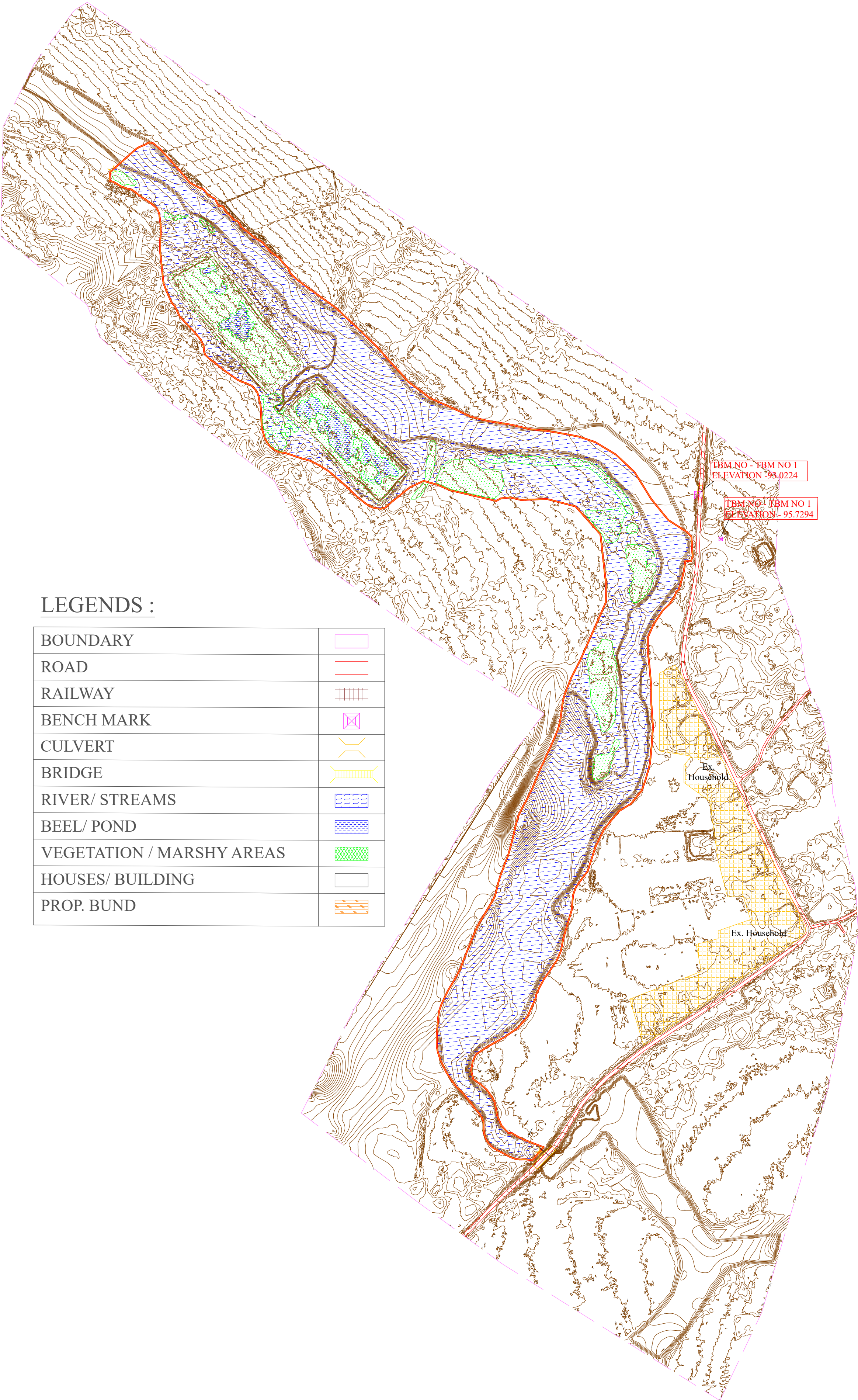
|                                       |  |
|---------------------------------------|--|
| BOUNDARY                              |  |
| EX. ROAD                              |  |
| EX. RAILWAY                           |  |
| BENCH MARK                            |  |
| EX. CULVERT                           |  |
| 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                    |  |



|                                                                                             |               |                 |              |
|---------------------------------------------------------------------------------------------|---------------|-----------------|--------------|
| PACKAGE NO.: 02                                                                             |               |                 |              |
| NAME OF THE BEEL: MER BEEL                                                                  |               |                 |              |
| DEVELOPMENT BLOCK: GHILAMARA                                                                |               |                 |              |
| REVENUE VILLAGE: MERKATHANI                                                                 |               |                 |              |
| DISTRICT: LAKHIMPUR                                                                         |               |                 |              |
| AREA (Ha): 27.27 Ha                                                                         |               |                 |              |
| PROJECT TITLE: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project |               |                 |              |
| CLIENT :                                                                                    |               |                 |              |
| CONSULTANT :                                                                                |               |                 |              |
| DWG TITLE : MASTERPLAN LAYOUT OF MER 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 GORIMI BEEL

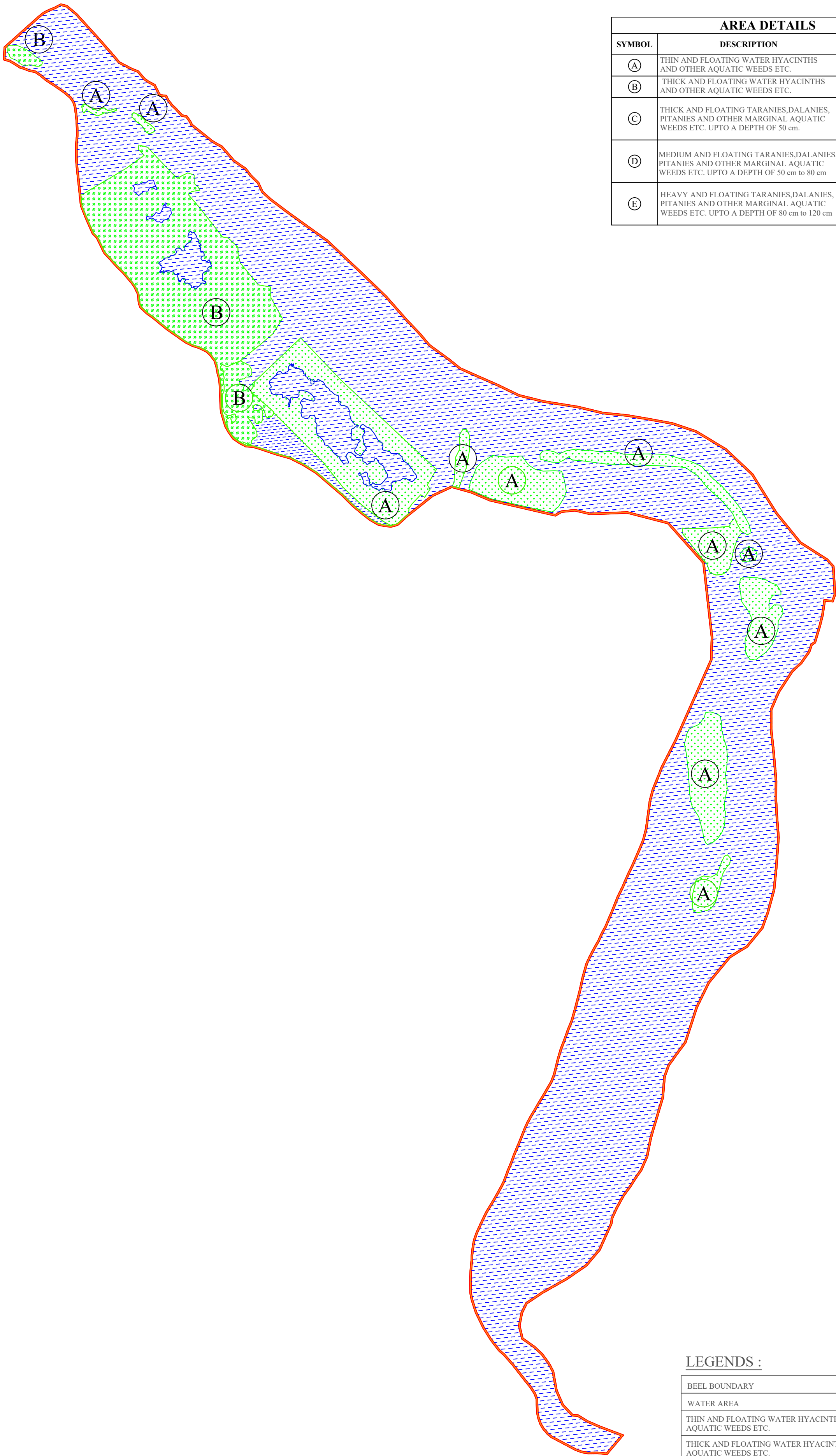


LEGENDS :

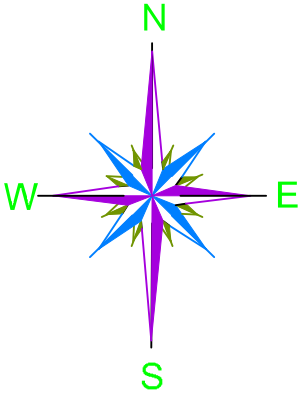
|                           |  |
|---------------------------|--|
| BOUNDARY                  |  |
| ROAD                      |  |
| RAILWAY                   |  |
| BENCH MARK                |  |
| CULVERT                   |  |
| BRIDGE                    |  |
| RIVER/ STREAMS            |  |
| BEEL/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

|                                                                              |               |                 |              |
|------------------------------------------------------------------------------|---------------|-----------------|--------------|
| PACKAGE NO.:                                                                 |               |                 |              |
| 02                                                                           |               |                 |              |
| NAME OF THE BEEL:                                                            |               |                 |              |
| MER BEEL                                                                     |               |                 |              |
| DEVELOPMENT BLOCK:                                                           |               |                 |              |
| GHILAMARA                                                                    |               |                 |              |
| REVENUE VILLAGE:                                                             |               |                 |              |
| MERKATHANI                                                                   |               |                 |              |
| DISTRICT:                                                                    |               |                 |              |
| LAKHIMPUR                                                                    |               |                 |              |
| AREA (Ha):                                                                   |               |                 |              |
| 30 Ha                                                                        |               |                 |              |
| PROJECT TITLE:                                                               |               |                 |              |
| Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project |               |                 |              |
| CLIENT :                                                                     |               |                 |              |
|                                                                              |               |                 |              |
| CONSULTANT :                                                                 |               |                 |              |
|                                                                              |               |                 |              |
| DWG TITLE :                                                                  |               |                 |              |
| CONTOUR MAP WITH BATHYMETRIC LEVELS OF BURHI 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) |
| (A)          | THIN AND FLOATING WATER HYACINTHS AND OTHER AQUATIC WEEDS ETC.                                                       | 32479.9206   |
| (B)          | THICK AND FLOATING WATER HYACINTHS AND OTHER AQUATIC WEEDS ETC.                                                      | 28402.464    |
| (C)          | THICK AND FLOATING TARANIES,DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm.          | 0            |
| (D)          | MEDIUM AND FLOATING TARANIES,DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 50 cm to 80 cm | 0            |
| (E)          | HEAVY AND FLOATING TARANIES,DALANIES, PITANIES AND OTHER MARGINAL AQUATIC WEEDS ETC. UPTO A DEPTH OF 80 cm to 120 cm | 0            |



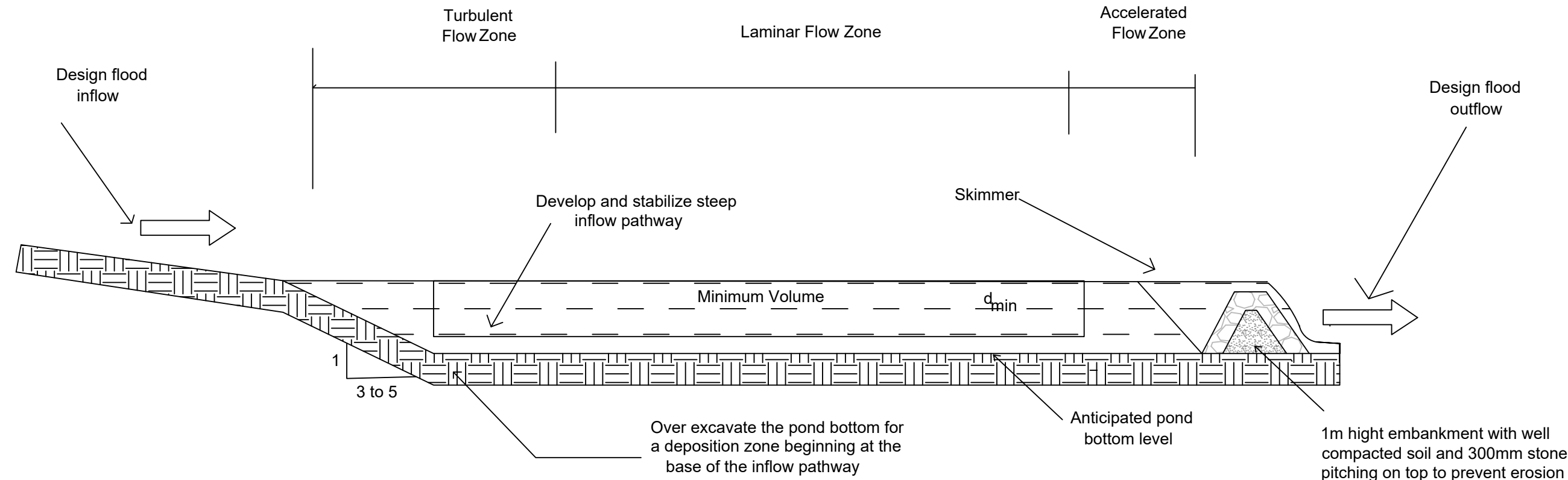
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|---------------------------------------------------------------------------------------|---------------|-----------------|--------------|
| PACKAGE NO.:                                                                          |               |                 |              |
| 02                                                                                    |               |                 |              |
| NAME OF THE BEEL:                                                                     |               |                 |              |
| MER BEEL                                                                              |               |                 |              |
| DEVELOPMENT BLOCK:                                                                    |               |                 |              |
| GHILAMARA                                                                             |               |                 |              |
| REVENUE VILLAGE:                                                                      |               |                 |              |
| MERKATHANI                                                                            |               |                 |              |
| DISTRICT:                                                                             |               |                 |              |
| LAKHIMPUR                                                                             |               |                 |              |
| AREA (Ha):                                                                            |               |                 |              |
| 30 Ha                                                                                 |               |                 |              |
| PROJECT TITLE:                                                                        |               |                 |              |
| Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project          |               |                 |              |
| CLIENT :                                                                              |               |                 |              |
|  |               |                 |              |
| CONSULTANT :                                                                          |               |                 |              |
|  |               |                 |              |
| DWG TITLE :                                                                           |               |                 |              |
| MASTERPLAN LAYOUT OF PITKATI 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                                                                                                          |  |
| 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. |  |

INLET  
LVL. 93.55 M

SEDIMENTATION  
TANK & SILT  
TRAP



SCALE: NOT TO SCALE

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

CLIENT :  

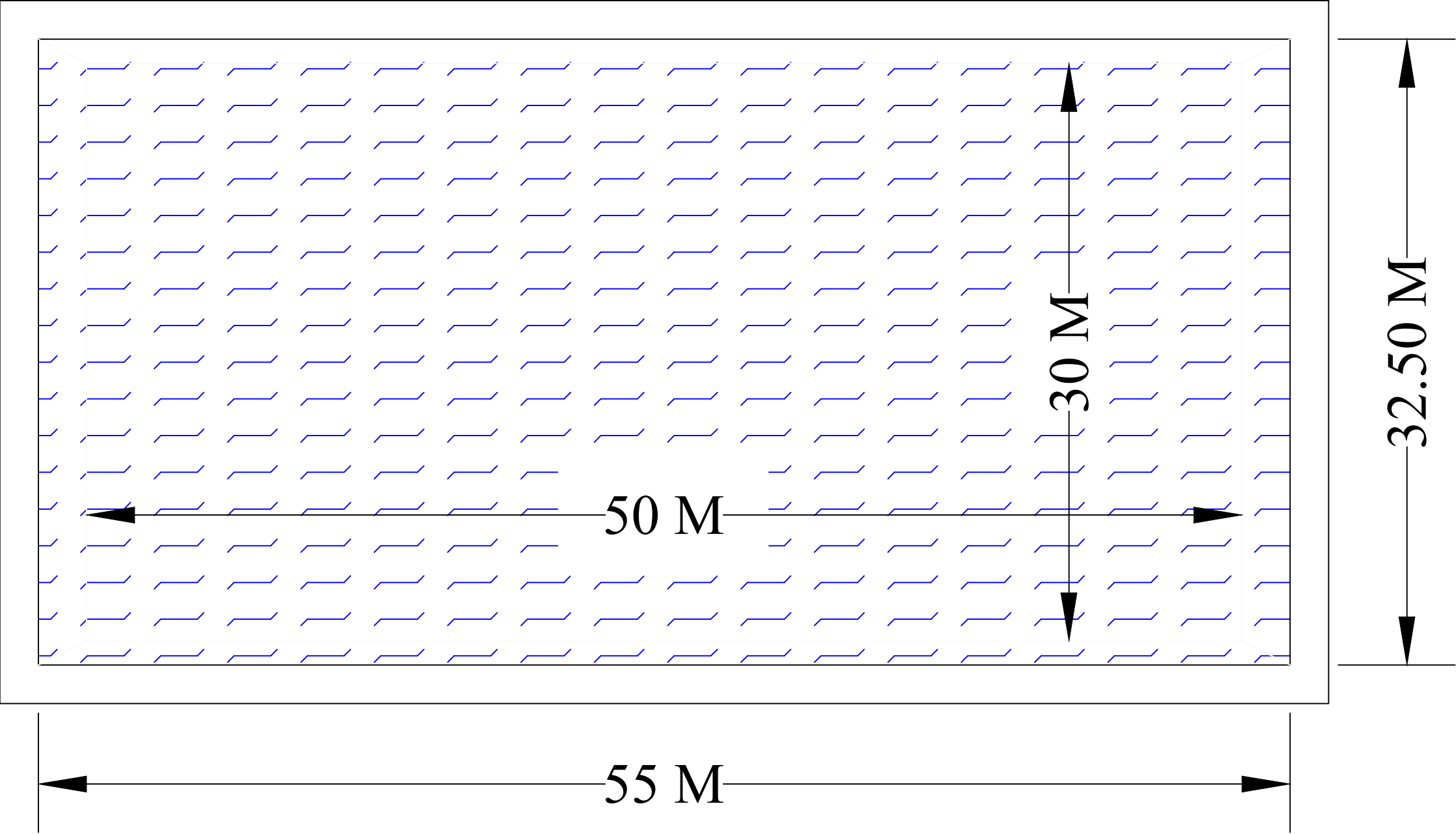

CONSULTANT :  


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

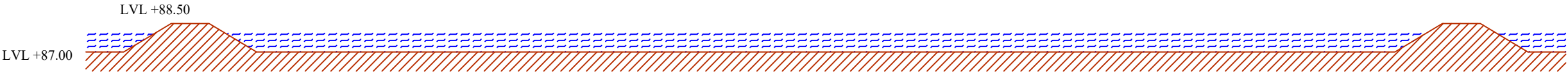
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|-------------|---------------|-----------------|--------------|
| DATE :      |               |                 |              |
| CHECKED BY: | SUBMITTED TO: | RECOMMENDED BY: | APPROVED BY: |
|             |               |                 |   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



# TYPICAL PLAN & SECTION OF REARING TANK

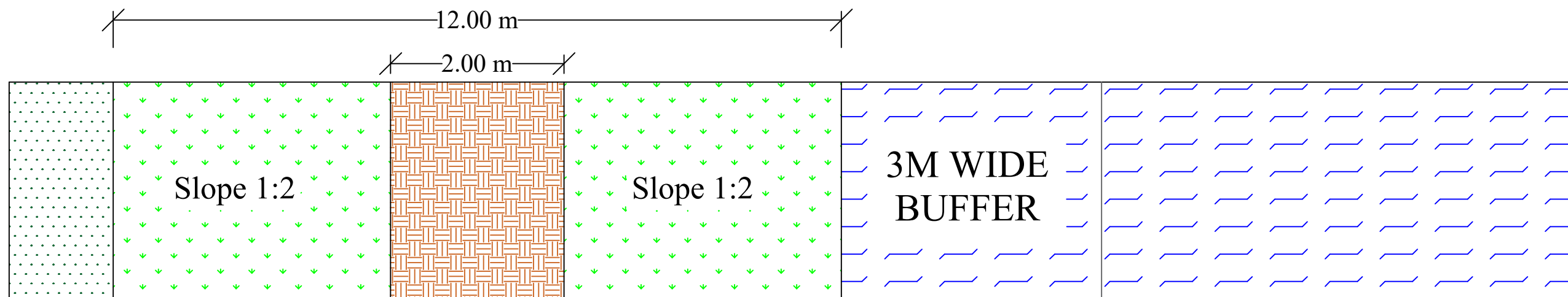


PLAN

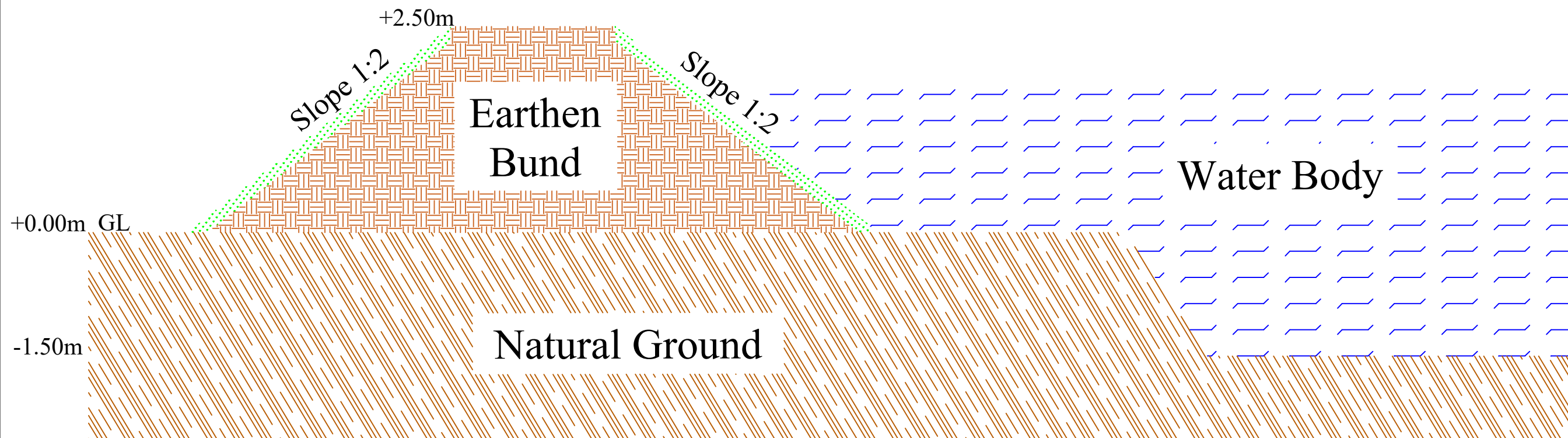


SECTION

|                                                                                                                                                                                                    |               |                 |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|--------------|
| SCALE: NOT TO SCALE                                                                                                                                                                                |               |                 |              |
| PROJECT TITLE:<br>Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project                                                                                                     |               |                 |              |
| CLIENT :<br><br>ARIAS Society<br>GOVERNMENT OF ASSAM<br>Rural Infrastructure and Agricultural Service Society |               |                 |              |
| CONSULTANT :<br><br>Shubh<br>Consultants & Technocrats LLP                                                    |               |                 |              |
| DWG TITLE :<br>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 :**

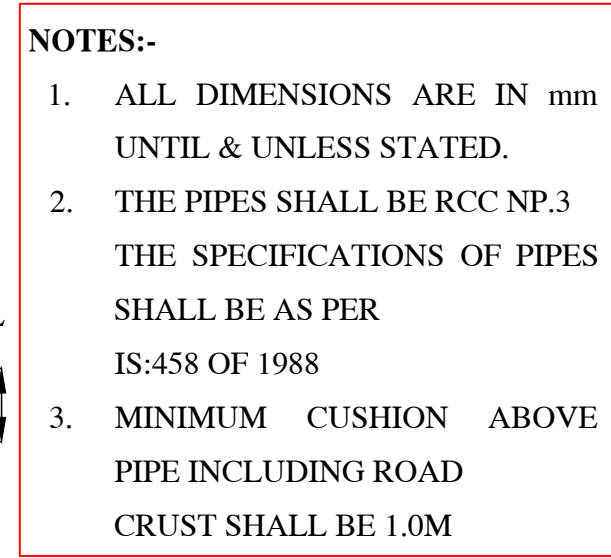
**CHECKED BY:** **SUBMITTED TO:** **RECOMMENDED BY:** **APPROVED BY:**

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|---------------|---------------|---------------|---------------|
| <b>DATE :</b> | <b>DATE :</b> | <b>DATE :</b> | <b>DATE :</b> |
|---------------|---------------|---------------|---------------|

|           |      |      |      |
|-----------|------|------|------|
| 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 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 horizontal line with a break symbol (XXX). 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.

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



**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 Service Society

**CONSULTANT :**  **Shubh**  
Consultants & Technocrats LLP

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

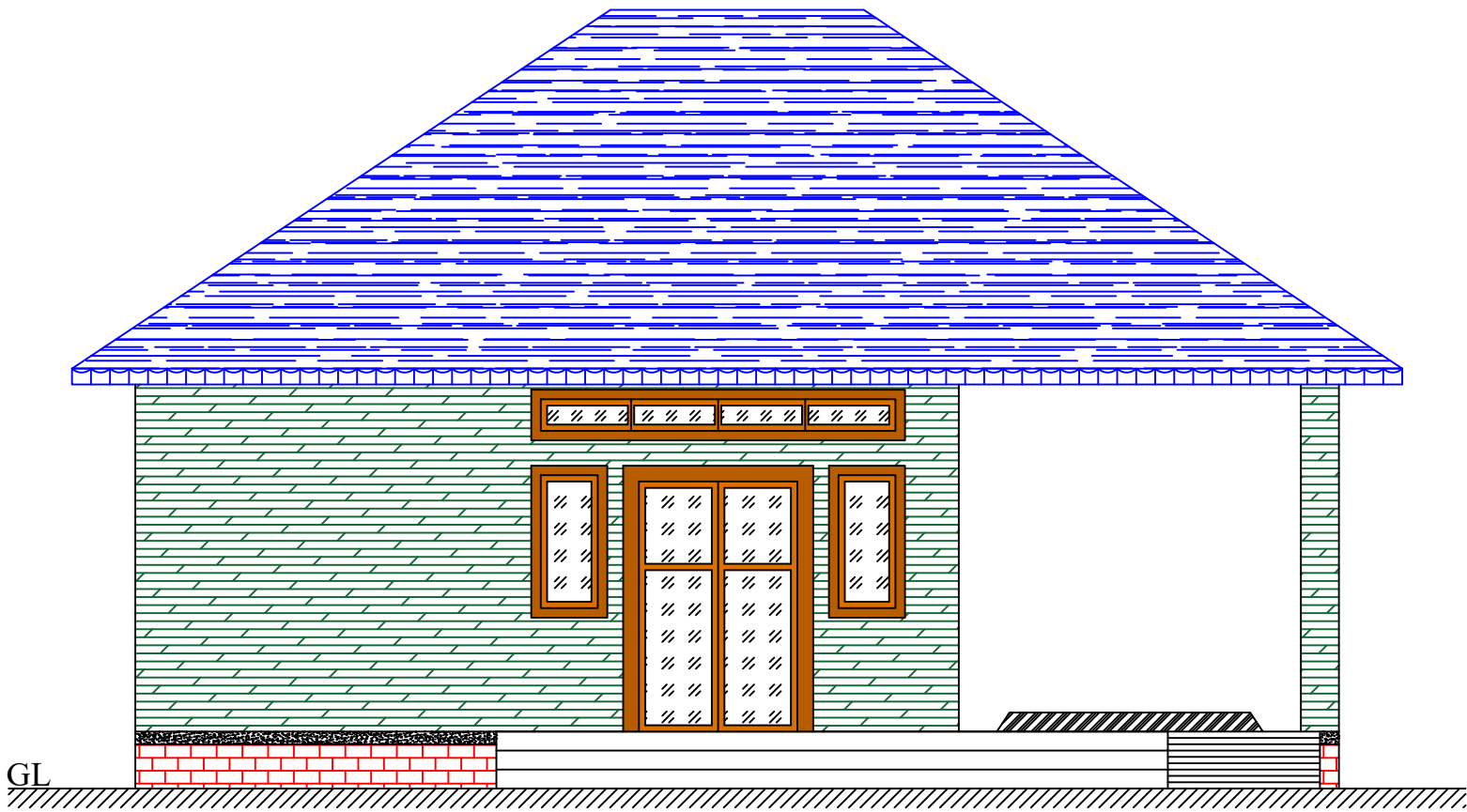
|        |  |
|--------|--|
| DATE : |  |
|--------|--|

|             |               |                 |              |
|-------------|---------------|-----------------|--------------|
| CHECKED BY: | SUBMITTED TO: | RECOMMENDED BY: | APPROVED BY: |
|-------------|---------------|-----------------|--------------|

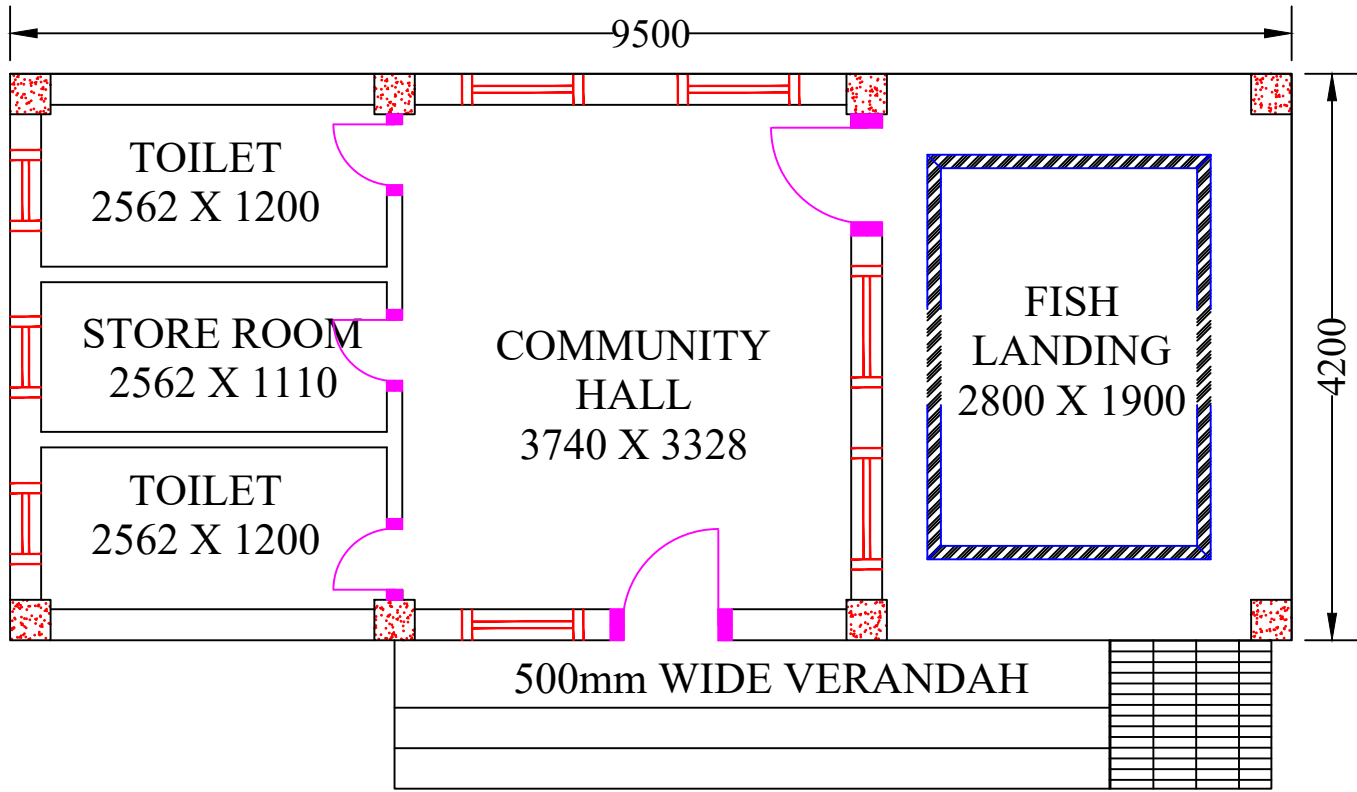
|  | 2017 | 2018 | 2019 |
|--|------|------|------|
|  |      |      |      |

|        |        |        |        |
|--------|--------|--------|--------|
| DATE : | DATE : | DATE : | DATE : |
|--------|--------|--------|--------|

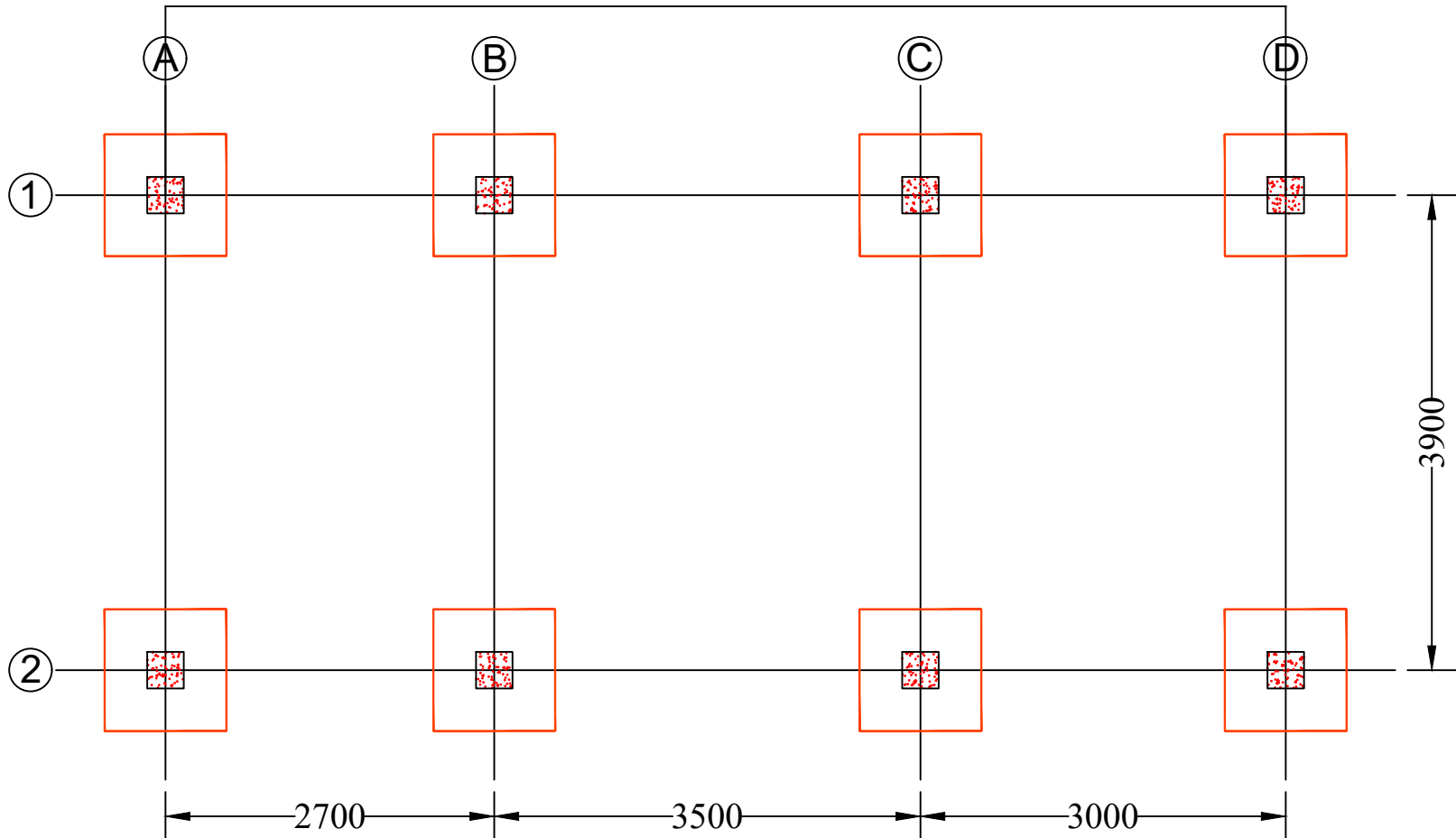
|           |      |      |      |
|-----------|------|------|------|
| TEAM LEAD | A.E. | E.E. | S.E. |
|-----------|------|------|------|



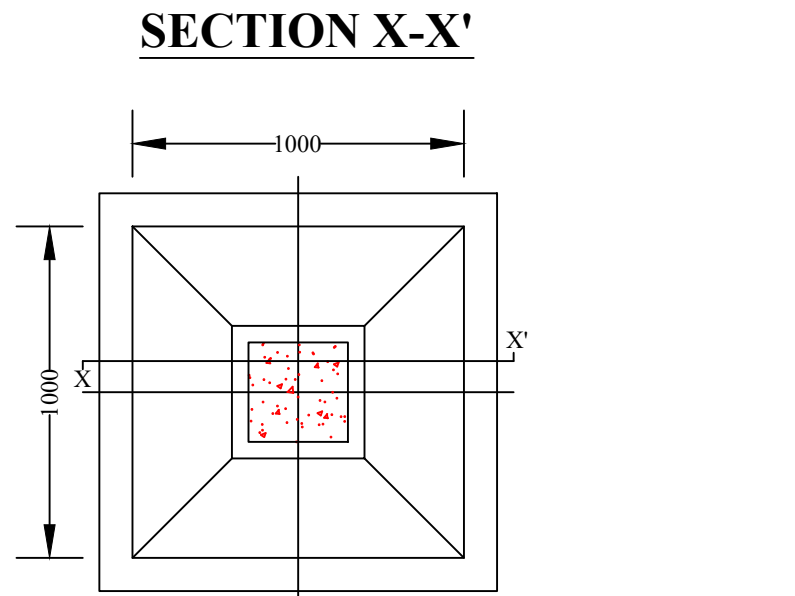
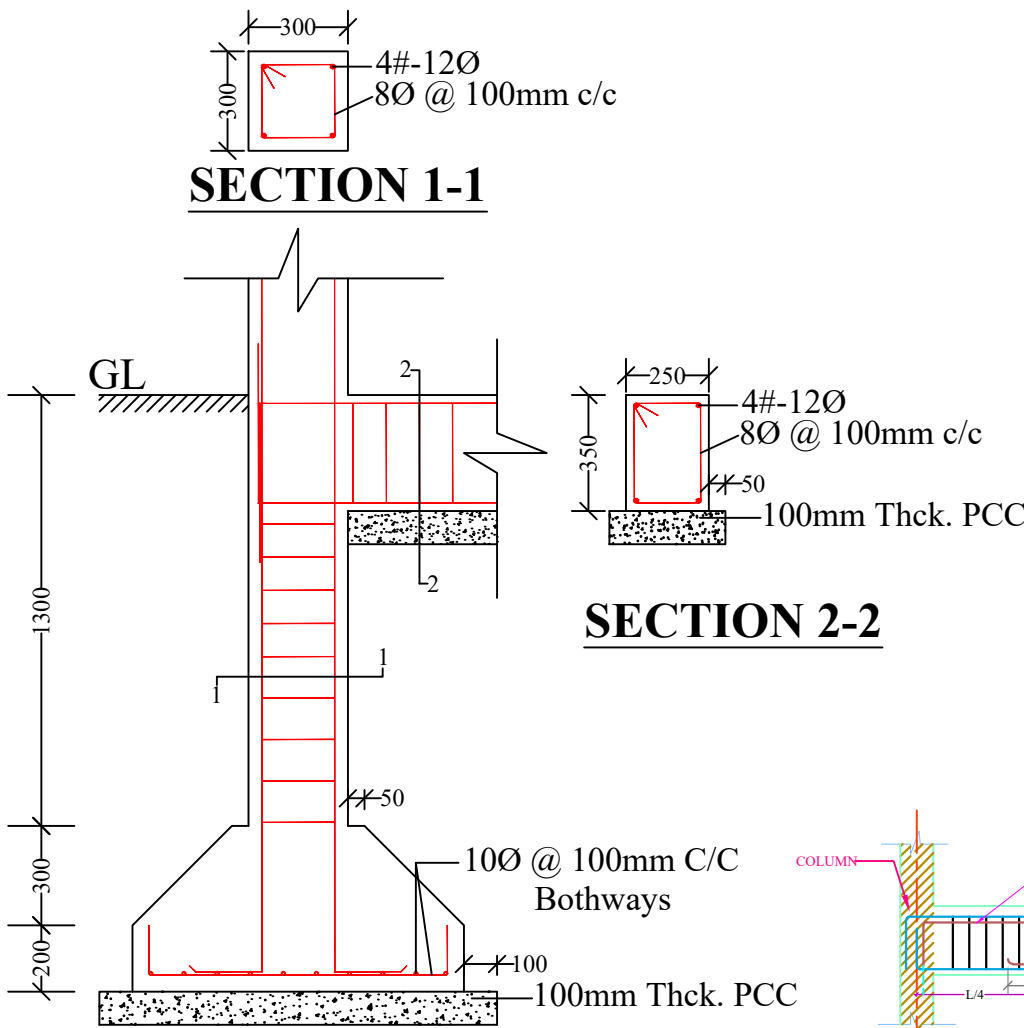
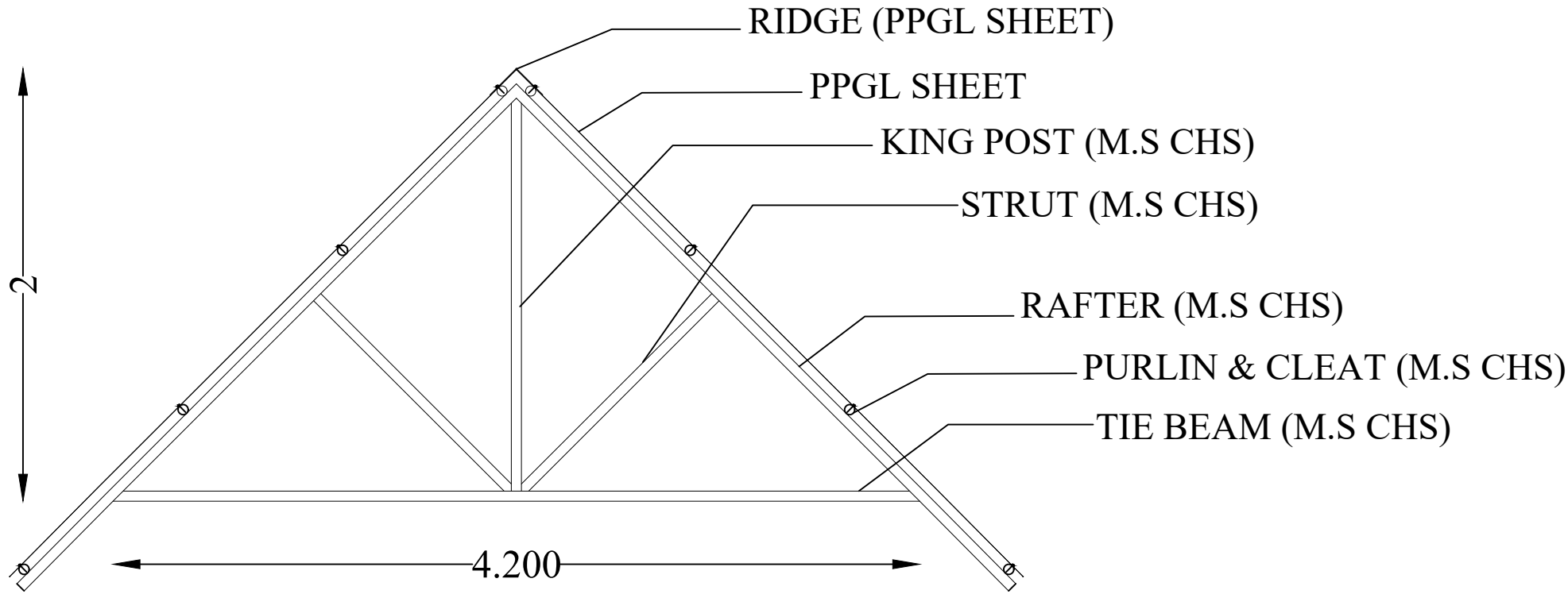
FRONT ELEVATION



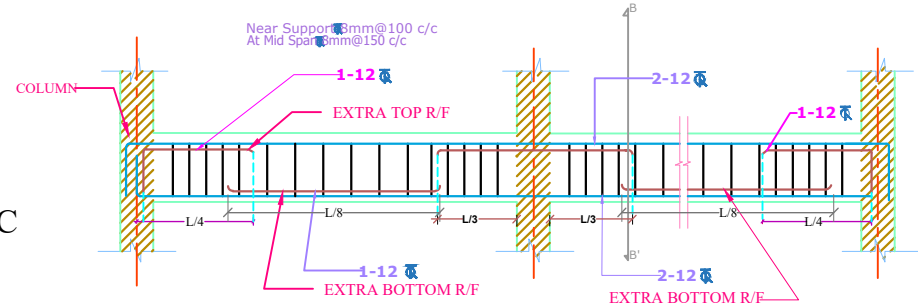
PLAN



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 :

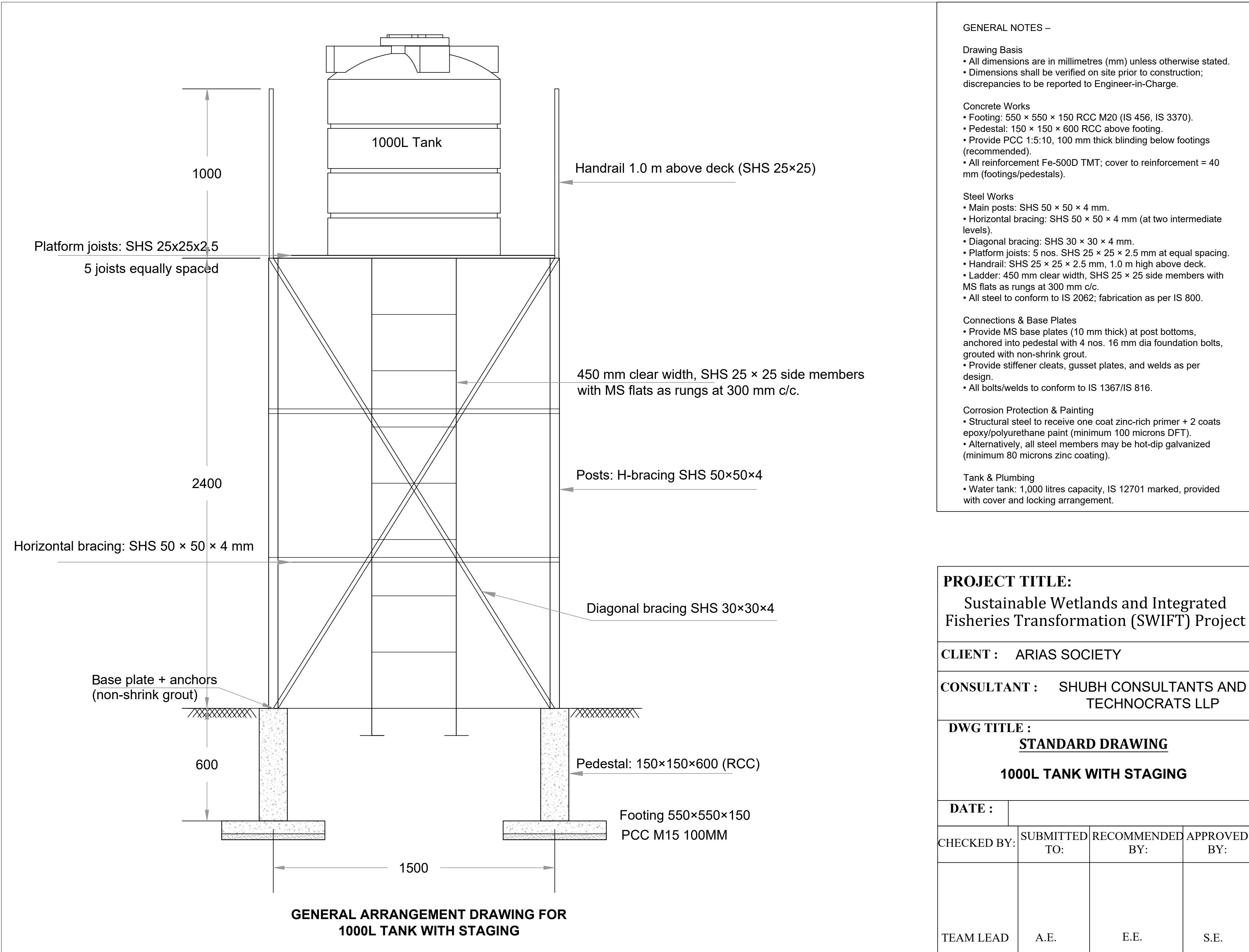
TEAM LEAD

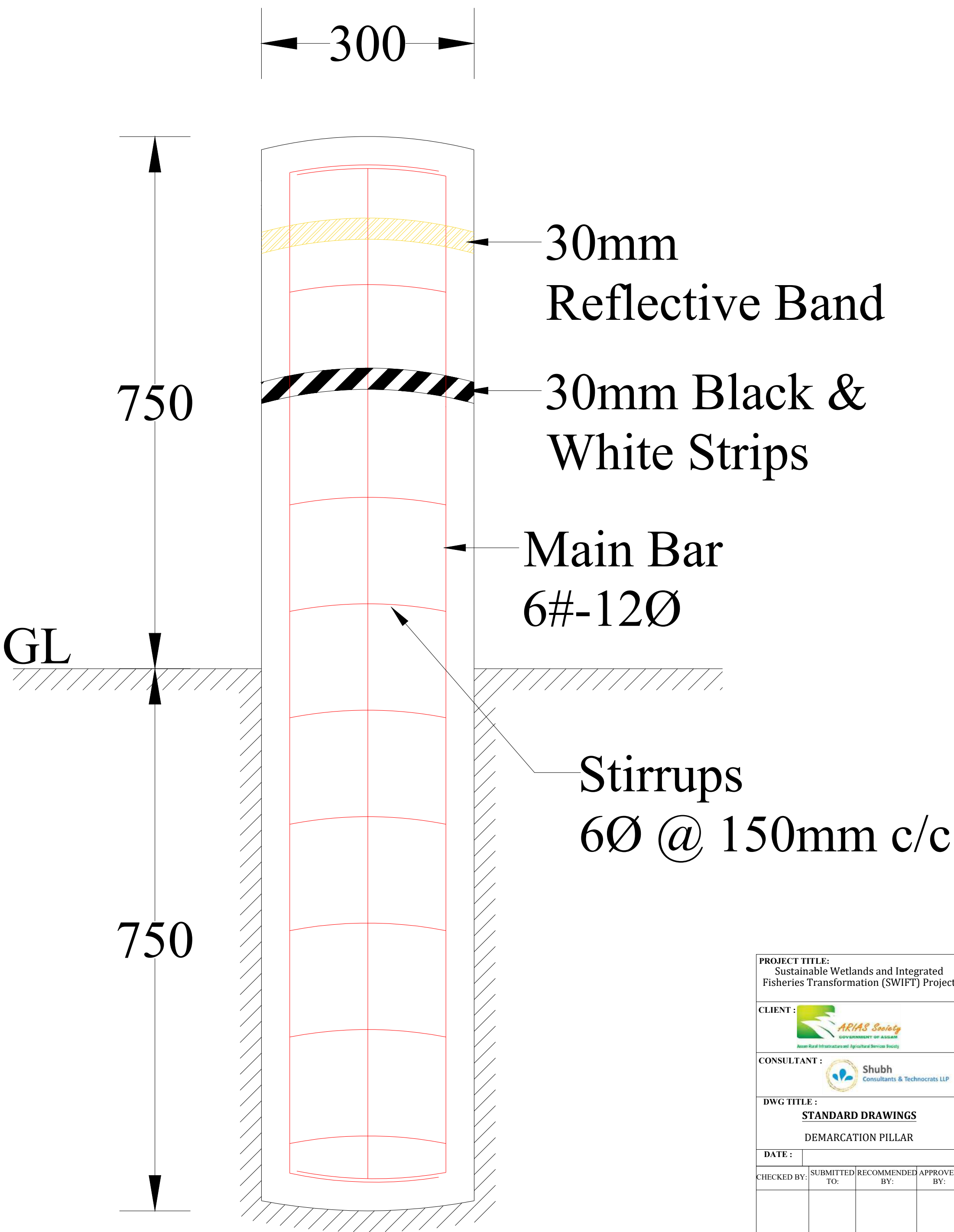
A.E.

E.E.

S.E.

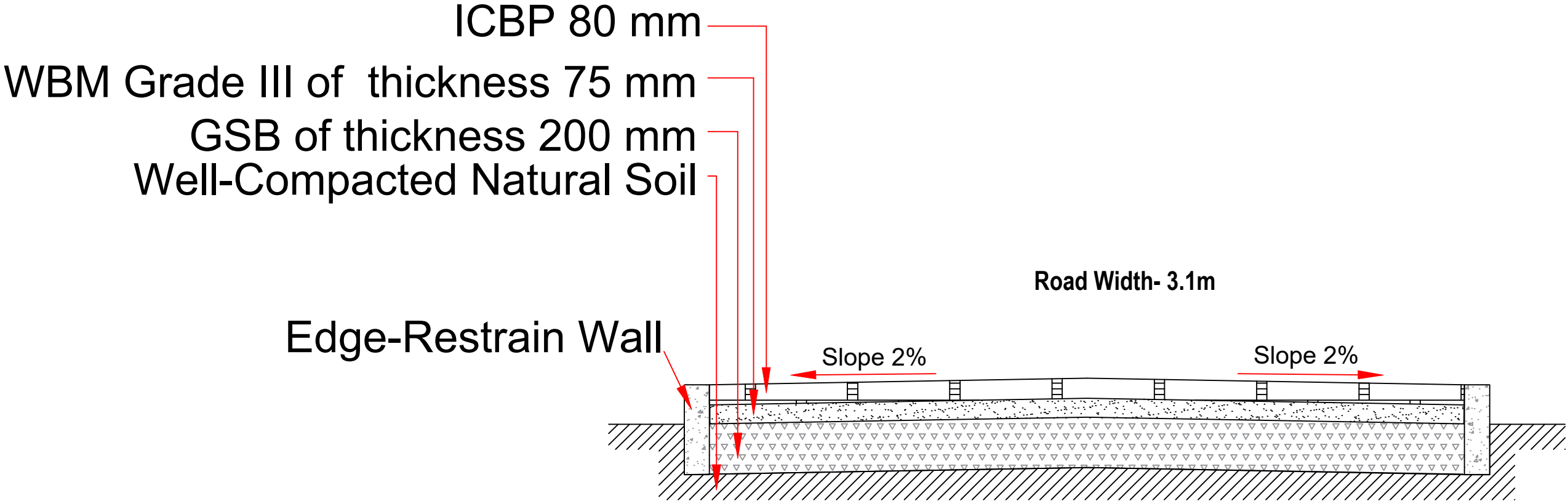






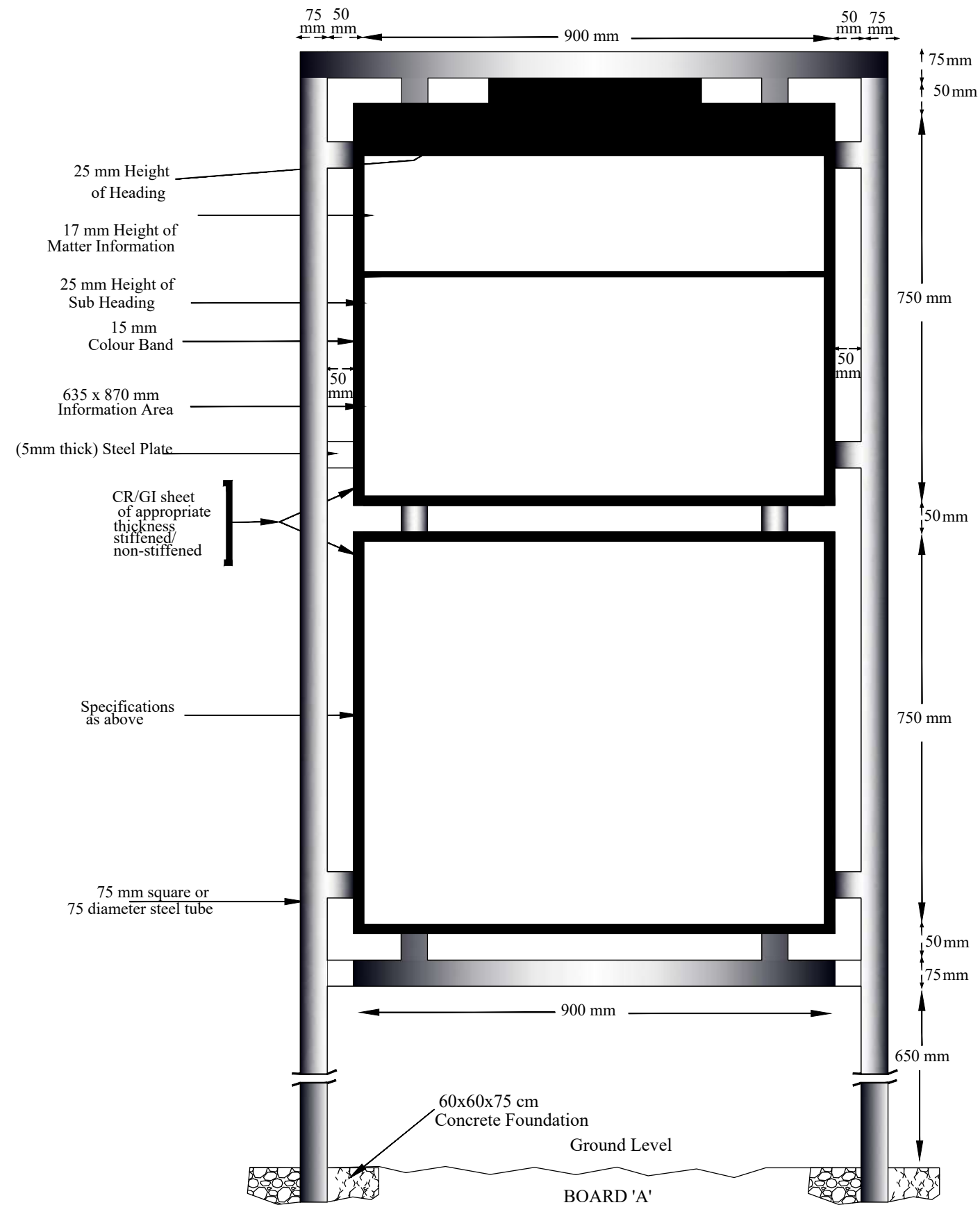
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|--------------|
| PROJECT TITLE:<br>Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project                                                                                                            |               |                 |              |
| CLIENT :<br><br>ARIAS Society<br>GOVERNMENT OF ASSAM<br>Assam Rural Infrastructure and Agricultural Services Society |               |                 |              |
| CONSULTANT :<br><br>Shubh<br>Consultants & Technocrats LLP                                                           |               |                 |              |
| DWG TITLE :<br><b>STANDARD DRAWINGS</b><br>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

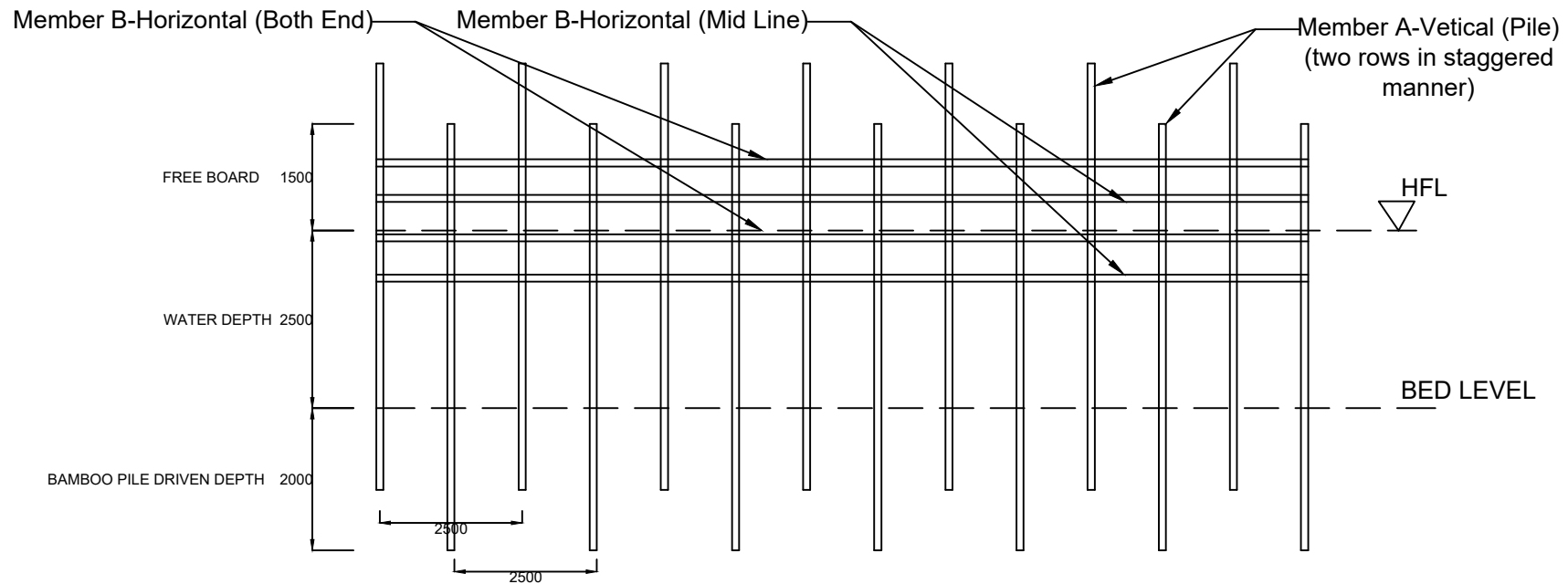


|                                                                                                       |               |                 |              |
|-------------------------------------------------------------------------------------------------------|---------------|-----------------|--------------|
| SCALE: NOT TO SCALE                                                                                   |               |                 |              |
| PROJECT TITLE:<br>Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT) Project        |               |                 |              |
| CLIENT :<br>     |               |                 |              |
| CONSULTANT :<br> |               |                 |              |
| DWG TITLE :<br>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.         |

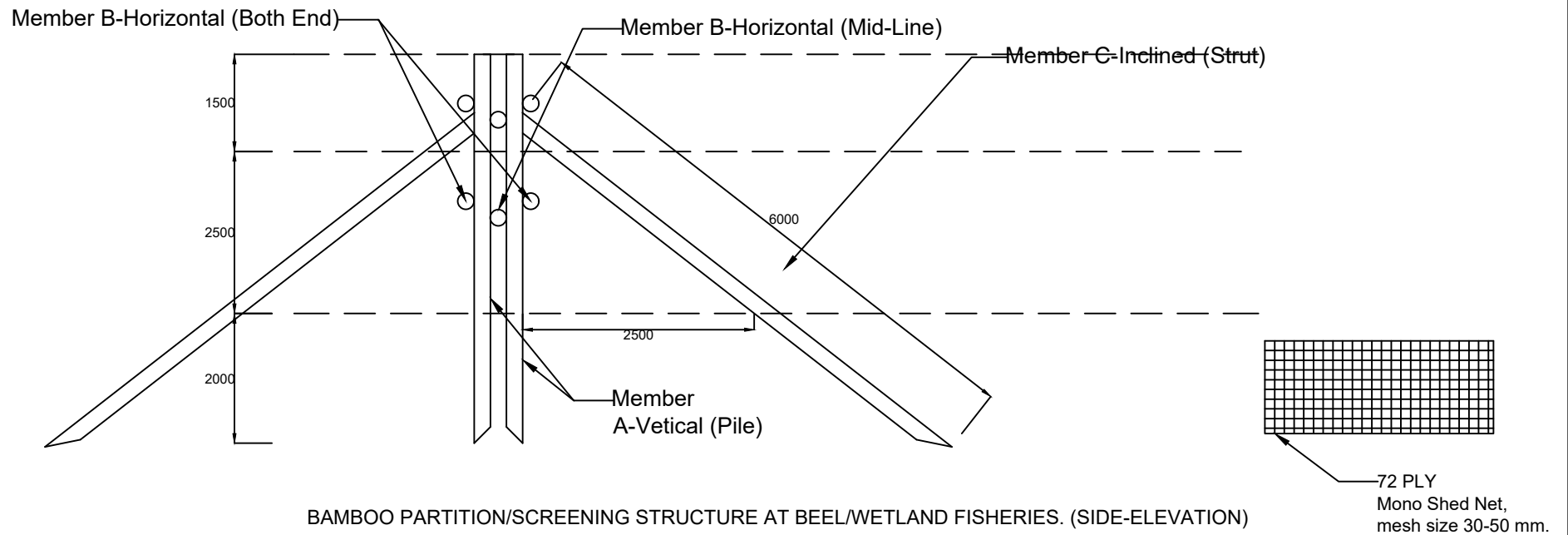




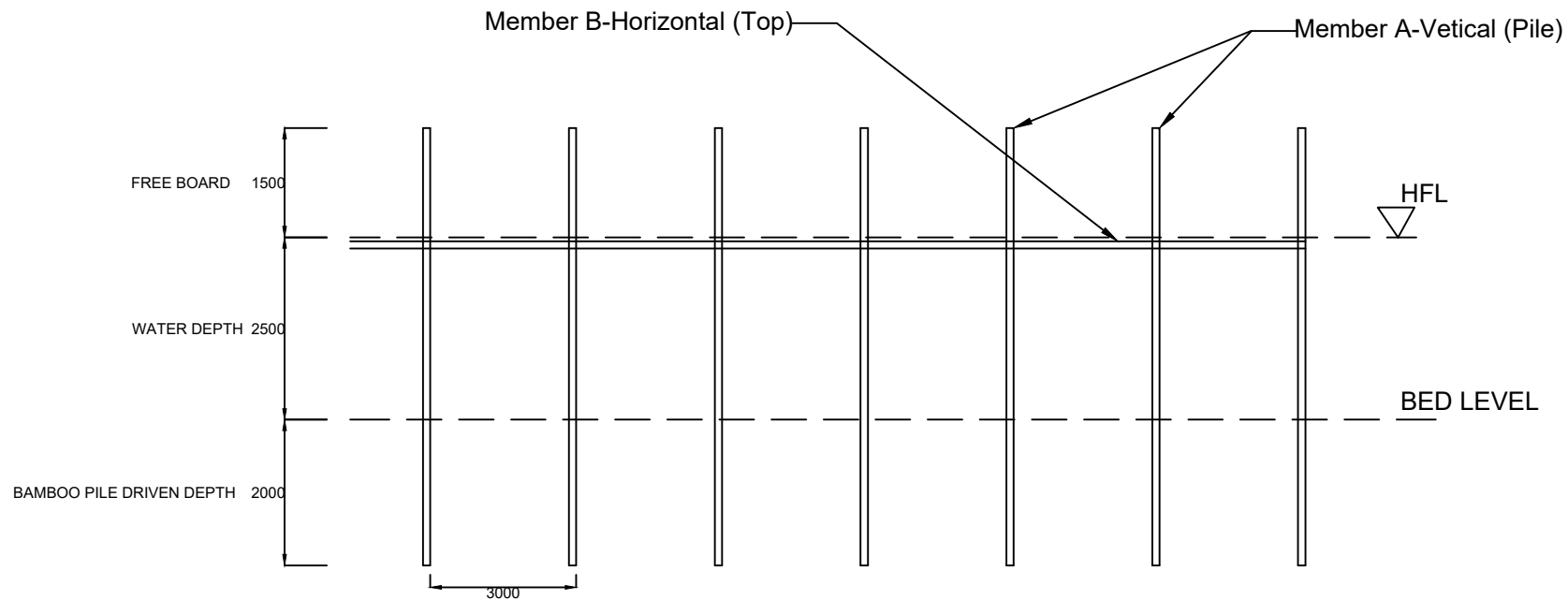
|                                                                                                       |               |                 |              |
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| <b>PROJECT TITLE:</b><br>Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT)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



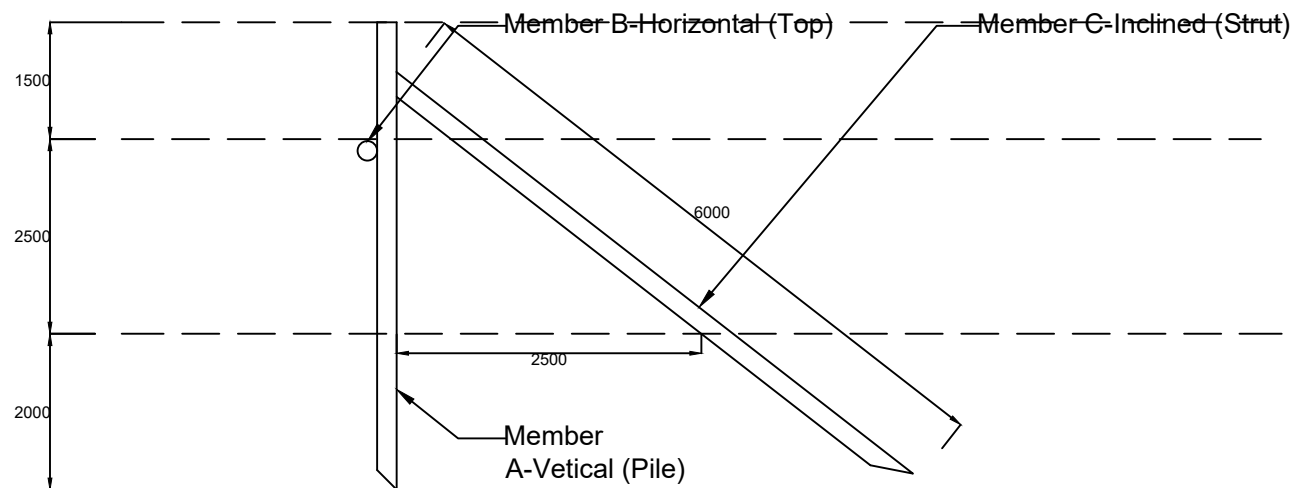
BAMBOO PARTITION/SCREENING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



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

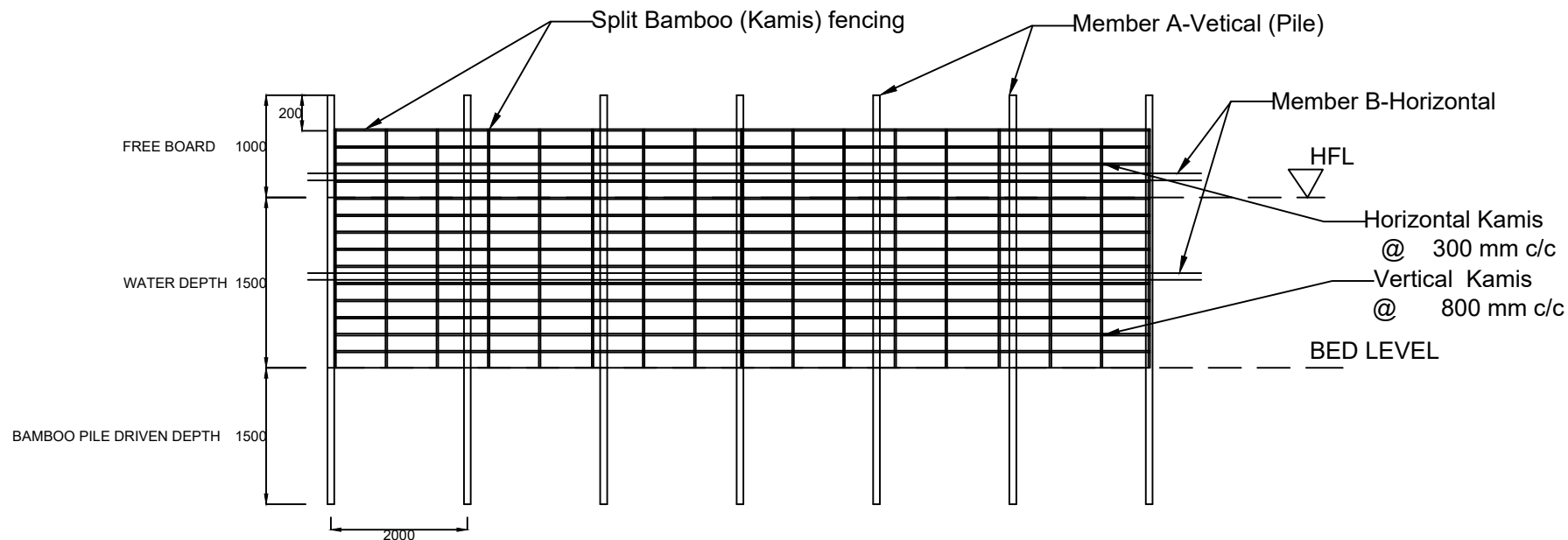


KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)

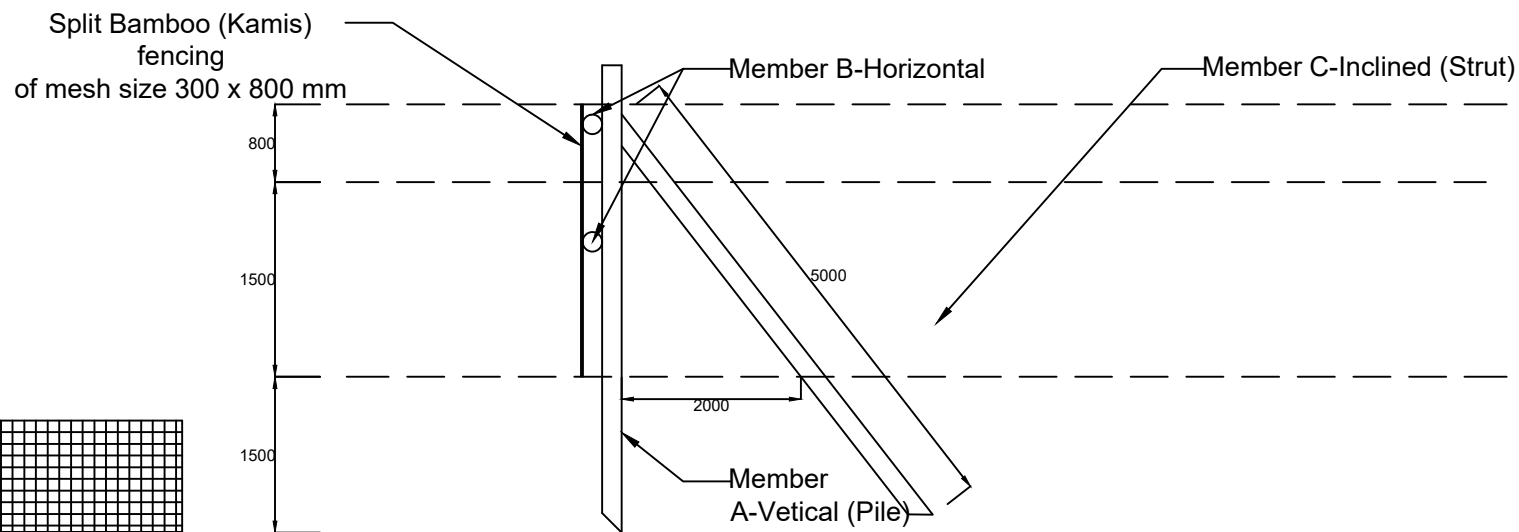


KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)

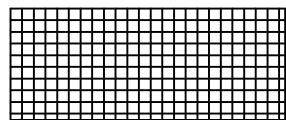




PEN CULTURE STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



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



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