

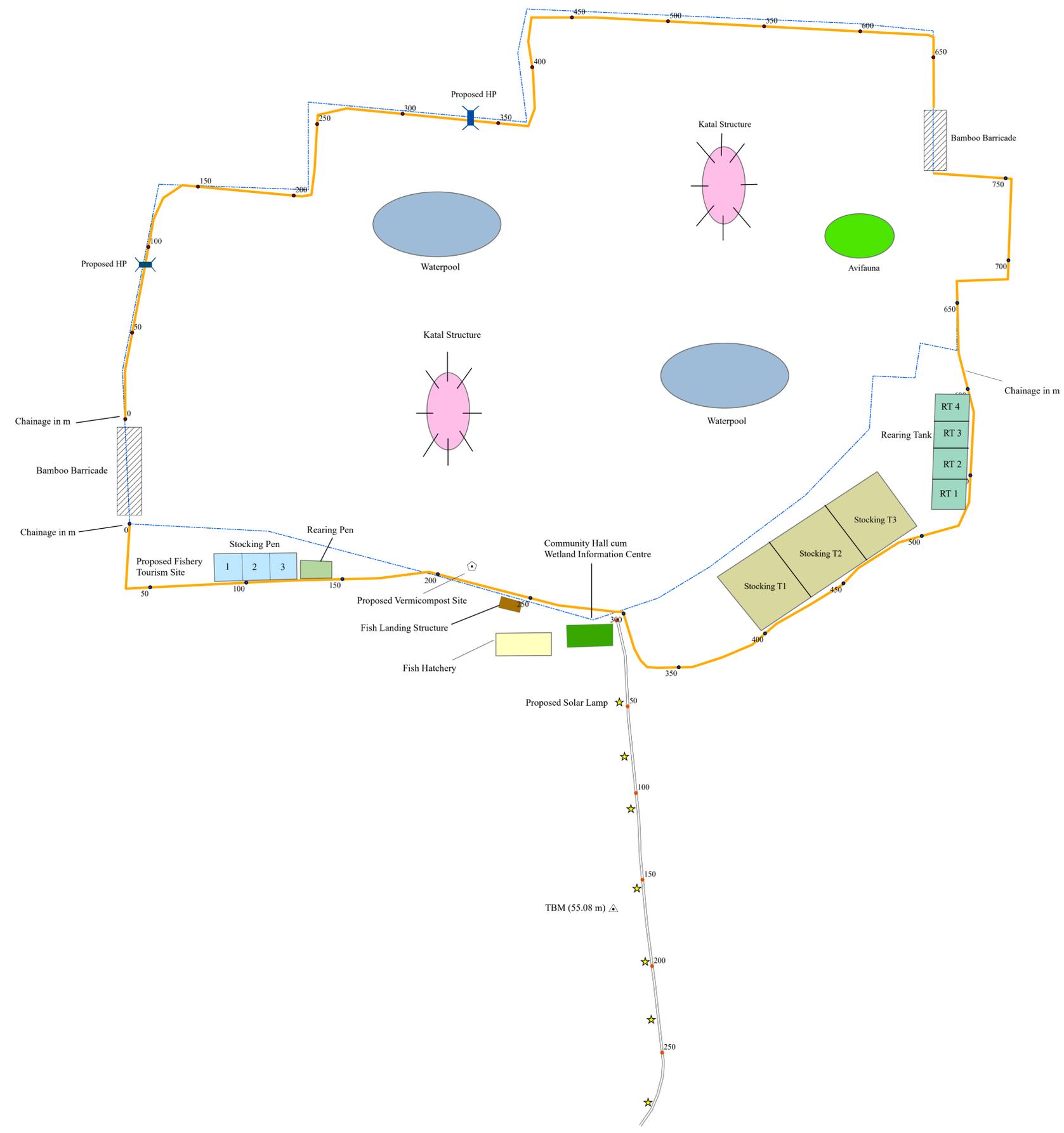


PROPOSED INTERVENTIONS

Sl	Interventions / Items	Qty
1	De-Weeding	85000 Sqm
2	De-Silting	59604.22 Cum
3	Peripheral Bund	1465 meter
4	H P Laying – 600 φ	2 nos
5	Approach Road a. Earth work filling b. GSB c. WBM d. ICBP	294 meter 2130.31 Cum 176.4 Cum 82.69 Cum 1102.5 Sqm
6	Rearing Tank – 0.15 ha each	4 nos
7	Stocking Tank – 0.40 ha each	3 nos
8	Pen Culture Rearing Pen – 0.20 ha each Stocking Pen - 0.40 ha each	1 nos 3 nos
9	Katal/Jeng - 0.2 ha each	2 nos
10	Bamboo Barricade	75 meter
11	Hatchery with 40,000 lits capacity Overhead Tank	1
12	Waterpool	2 ha
13	Community Hall	202.09 Sqm PA
14	Fish Landing Structure	66.93 Sqm PA
15	Solar Lamp	13 units
16	Information Board	2 nos

FUTURE PROVISION : (From other components)

- Vermicomposting unit
- Landscaping and plantation
- Eco-tourism development
- Furnisher for community hall
- Craft & Gear



Legend

- TBM (55.08 m)
- Proposed Sloar Lamp
- Proposed Vermicompost Site
- Approach Road
- Embankment
- Bamboo Barricade
- Katal Structure
- Stocking Pen
- Rearing Pen
- Avifauna
- Waterpool
- Rearing Tank
- Stocking Tank
- Fish Hatchery
- Fish Landing Structure
- Community Hall
- Beel Boundary



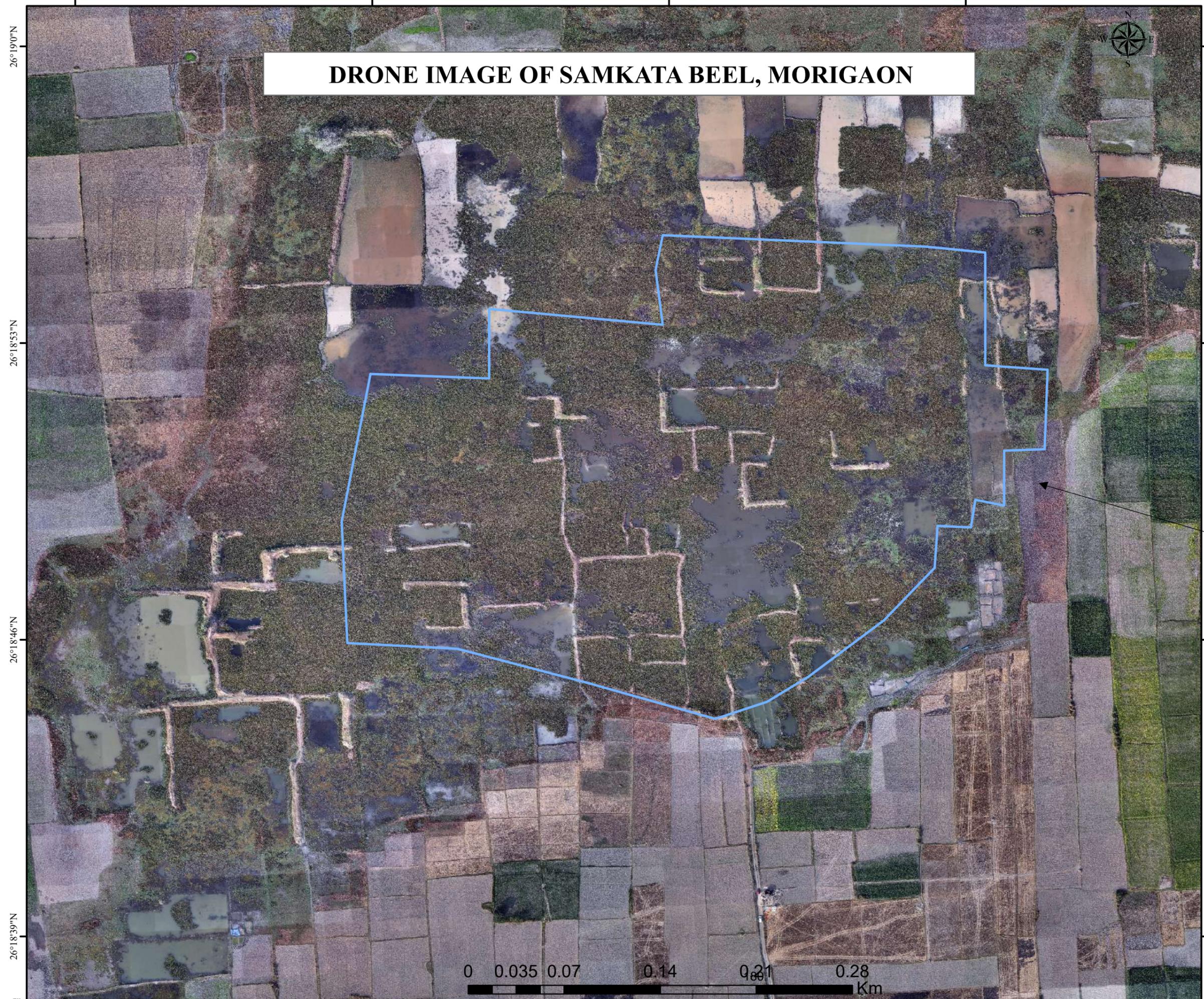
Name of Beel: Chamkata Beel
Development Block : Morigaon
Revenue Village : Chamkatabori
District : Morigaon
Lat/Long- 26.315430 92.257759
Beel Area : 9.38 ha
Project Title: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT)

Client Detail: ARIAS Society

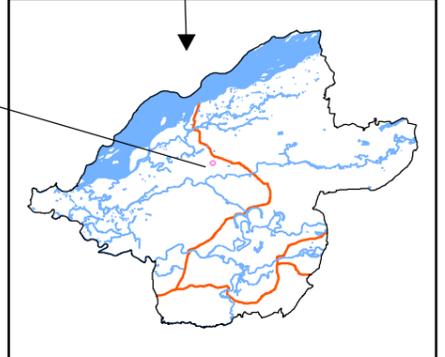
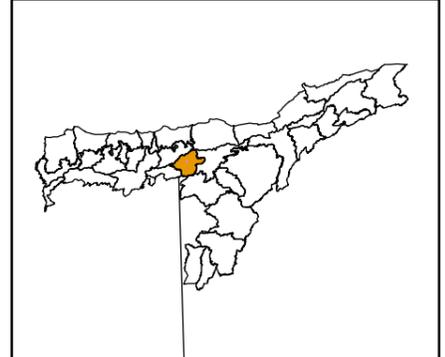
Consultant Details : Sumato Globaltech Private Limited

Title: MASTER PLAN LAYOUT OF CHAMKATA BEEL

Date	Checked By	Submitted to	Recommended by	Approved by



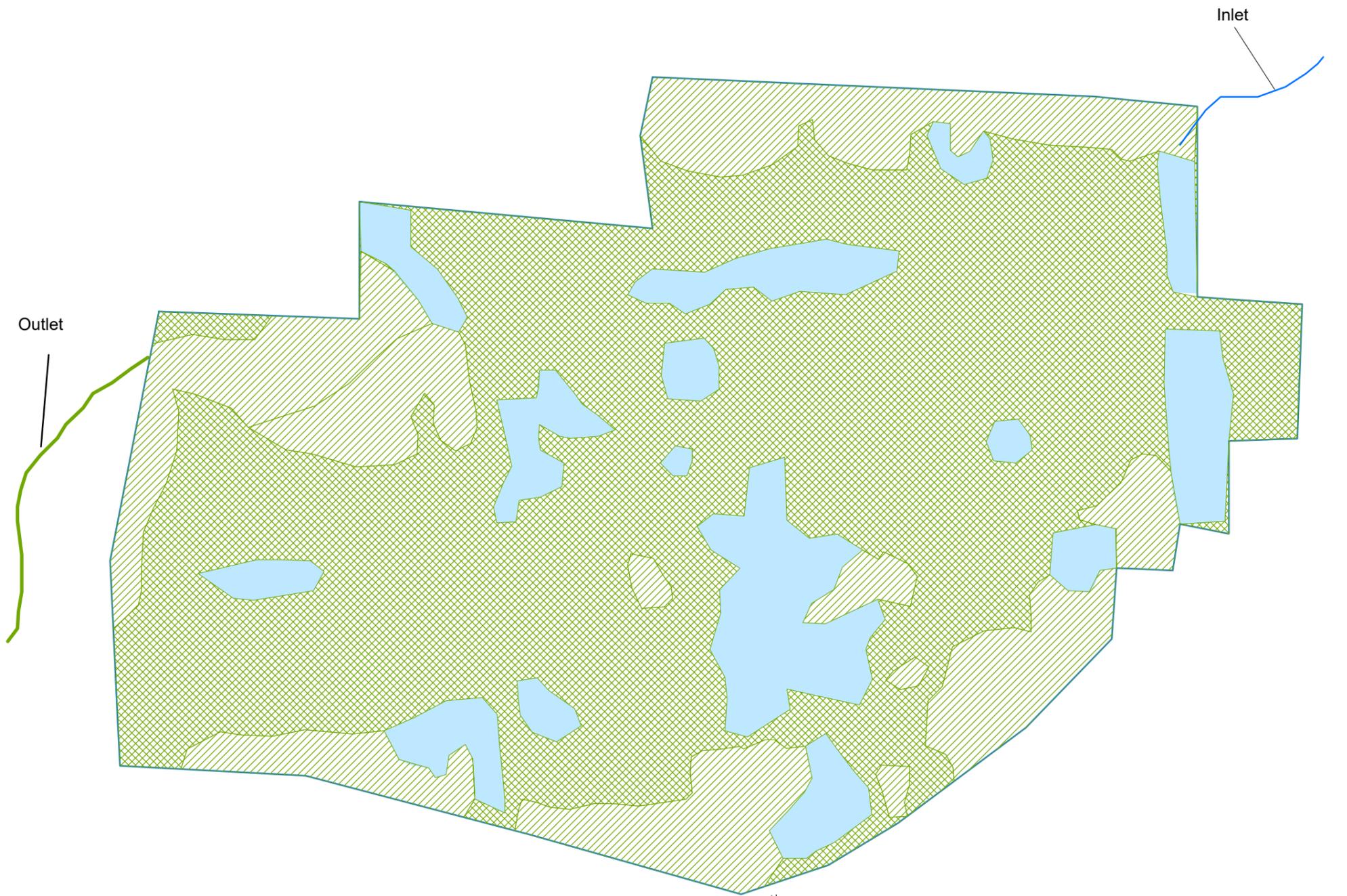
DRONE IMAGE OF SAMKATA BEEL, MORIGAON



Legend

Beel Boundry (10.17 ha)

DRONE SURVEY MAP LAYOUT FOR SAMKATA BEEL, MORIGAON

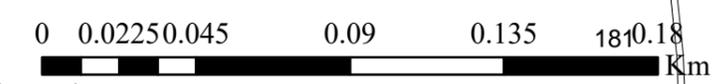


26°18'53"N

26°18'53"N

26°18'46"N

26°18'46"N



Legend

-  Category C weed (2.97 ha)
-  Category D weed (5.52 ha)
-  Water Area (0.8 ha)
-  Beel Boundry (9.38 ha)



WEED INFESTED MAP OF CHAMKATA BEEL, MORIGAON SHOWING THE WEED TYPES AND AREA COVER

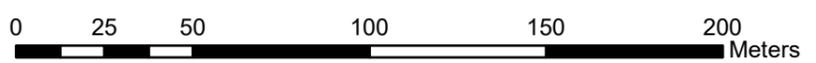
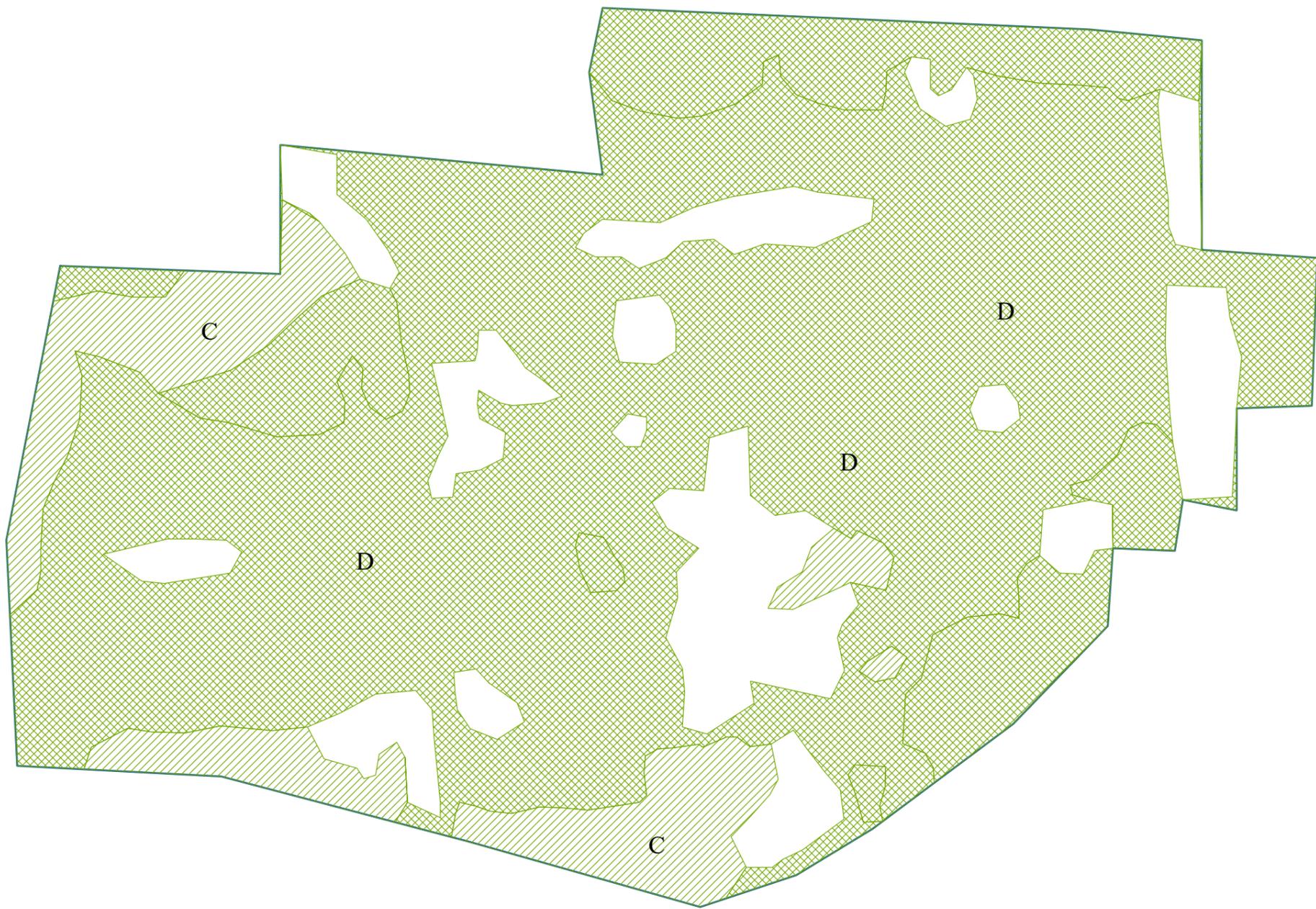


Table- This table shows what type of weed under which catagory and cover area with percentage

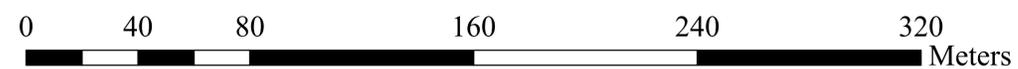
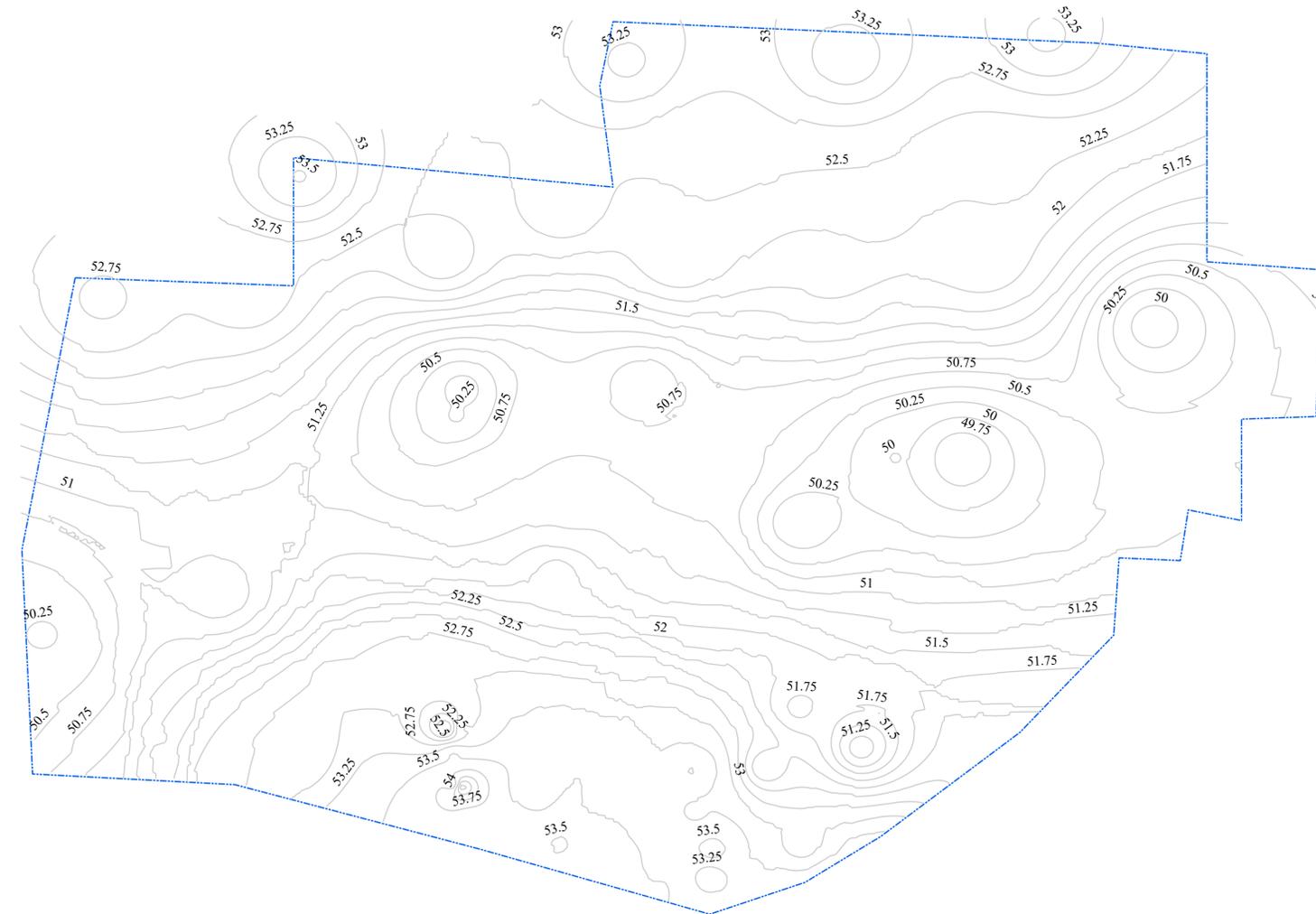
Weed Category	Type	Area in sqm	Area to be De-weeded
C	Thick and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 50 cm	29750	25287.5
D	Medium and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	55250	46962.5

Legend

- Beel Boundary (9.38 ha)
- Weed Catagory
 - Category C (2.97 ha)
 - Category D (5.52 ha)

BATHYMETRIC CONTOUR MAP OF S CHAMKATA BEEL, MORIGAON

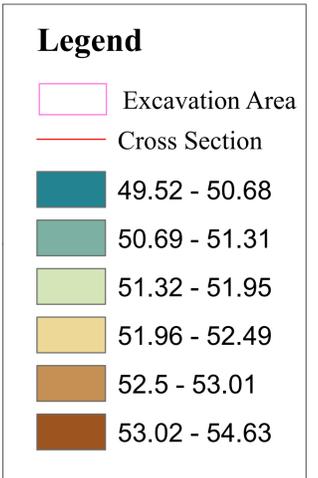
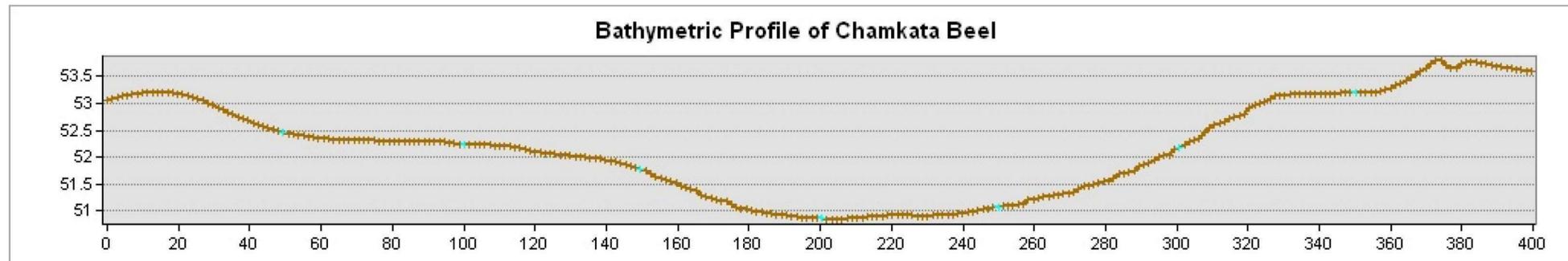
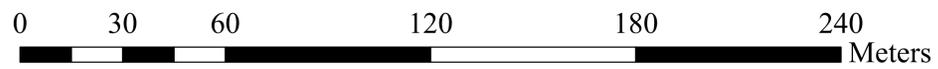
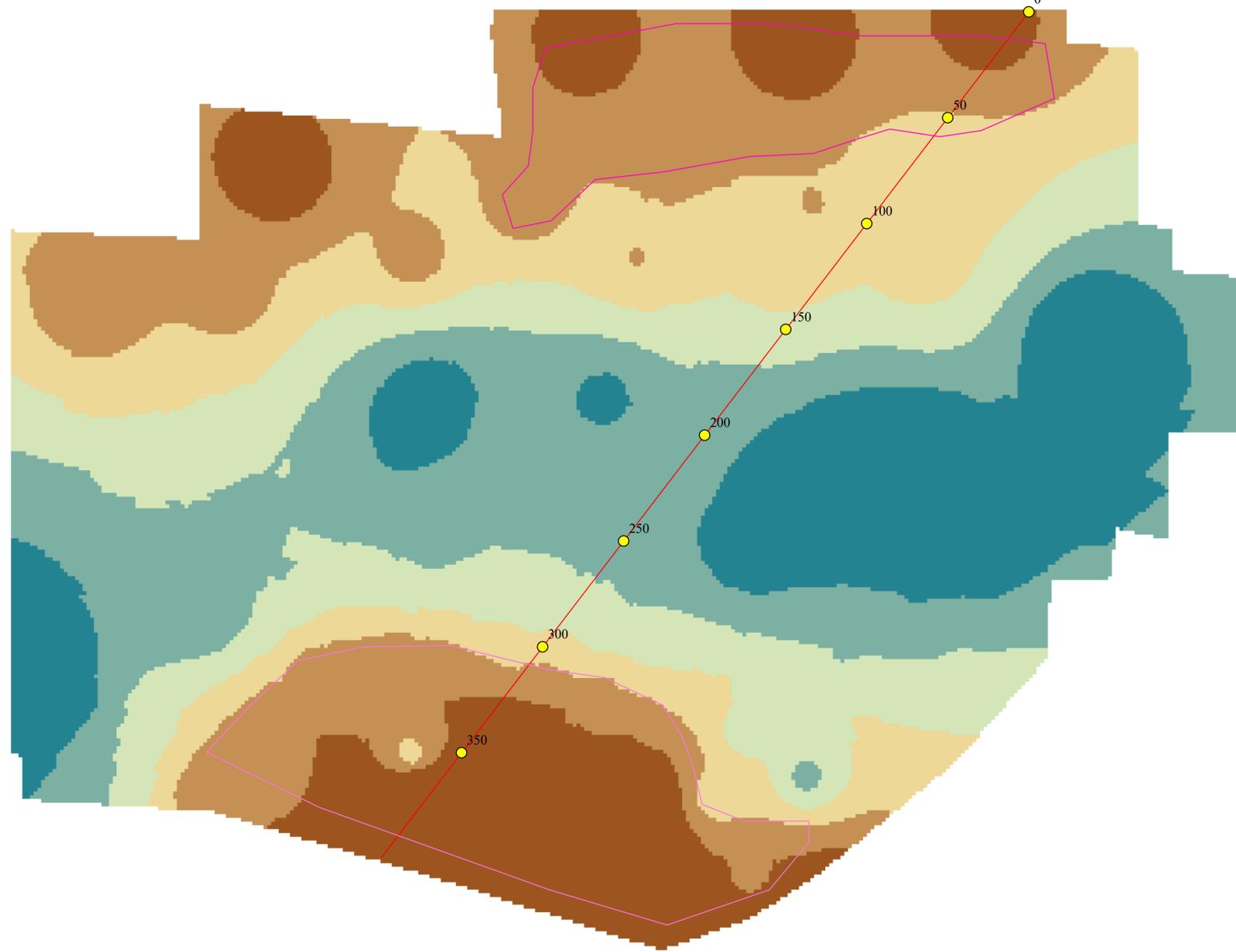
0.25 m CONTOUR INTERVAL



Legend

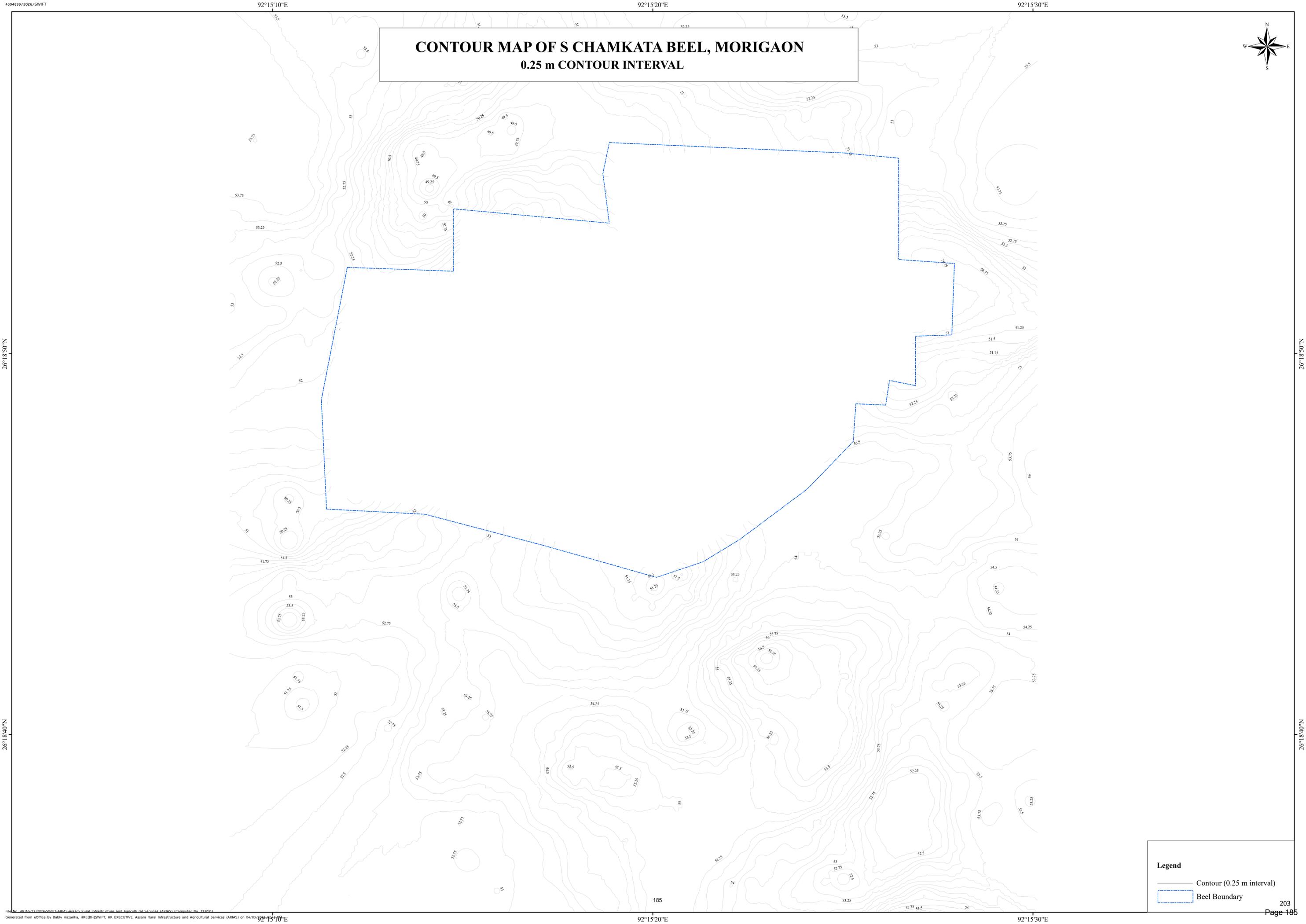
- Bathy Contour (0.25 m interval)
- Beel Boundary

BATHYMETRIC MAP AND PROFILE OF CHAMKATA BEEL, MORIGAON

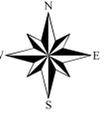


92°15'10"E 92°15'15"E 92°15'20"E 92°15'25"E 92°15'30"E

26°18'40"N 26°18'45"N 26°18'50"N 26°18'55"N



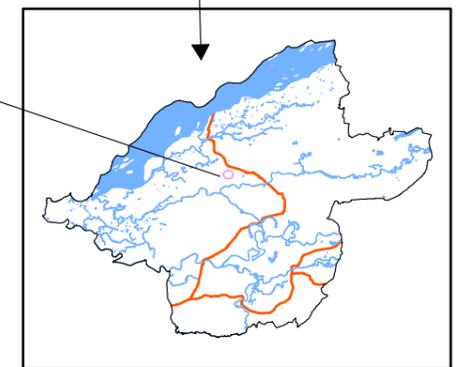
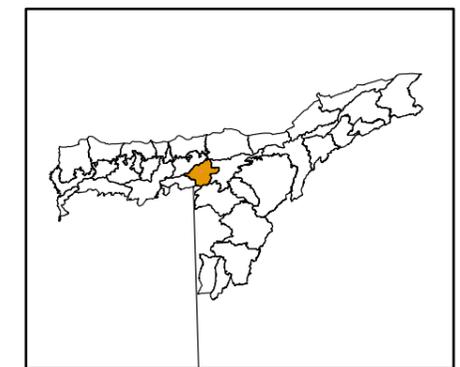
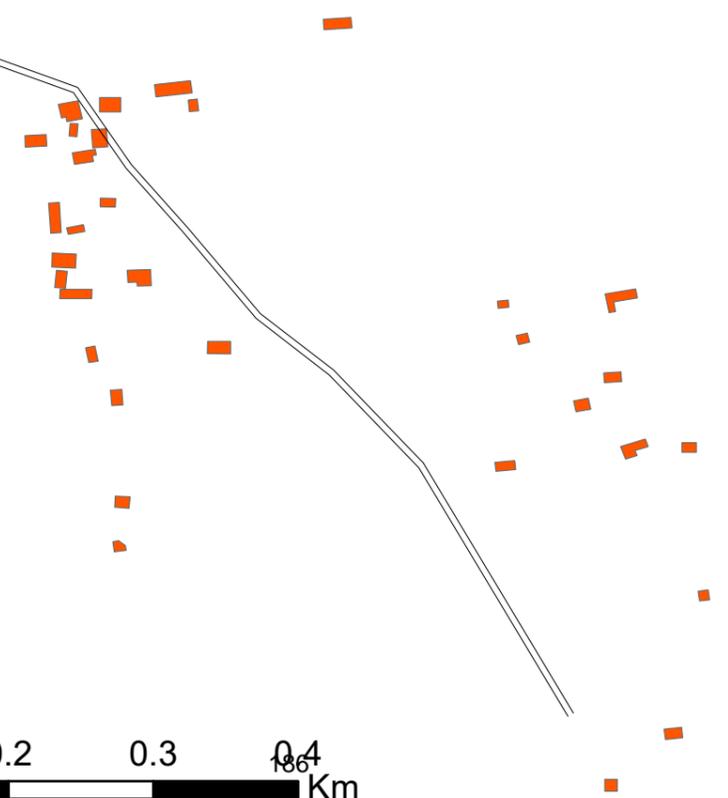
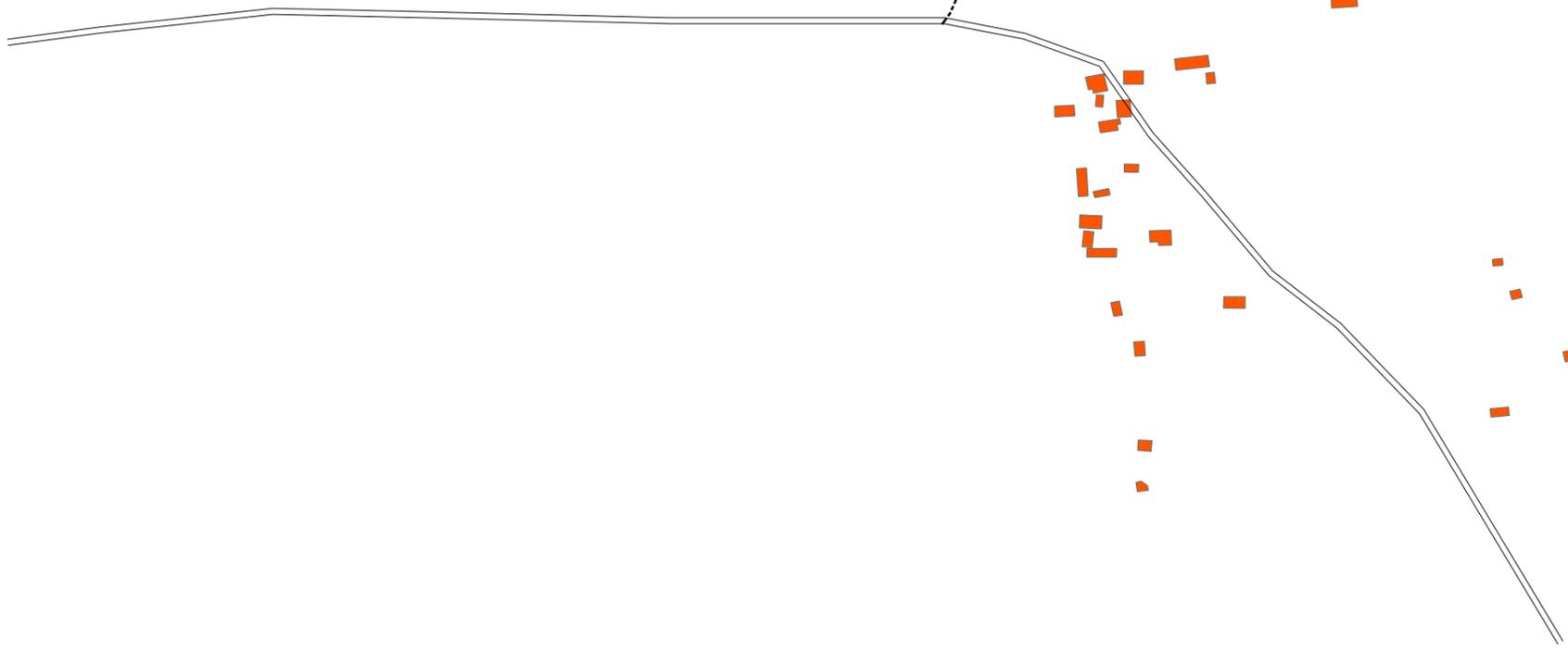
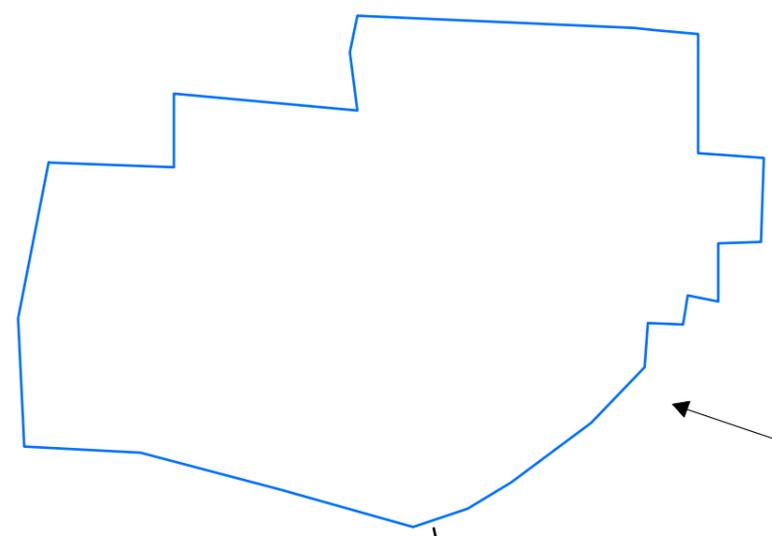
CONTOUR MAP OF S CHAMKATA BEEL, MORIGAON
0.25 m CONTOUR INTERVAL



Legend

- Contour (0.25 m interval)
- - - Beel Boundary

BENEFICIARY HOUSEHOLD MAP OF SAMKATA BEEL, MORIGAON



This map shows Samkata Beel and all surrounding households, illustrating 50 active fishing families, 31 directly dependent neighbouring families, and approximately 210 indirectly benefiting neighbouring households whose livelihoods and food security are closely linked to the wetland.

Legend

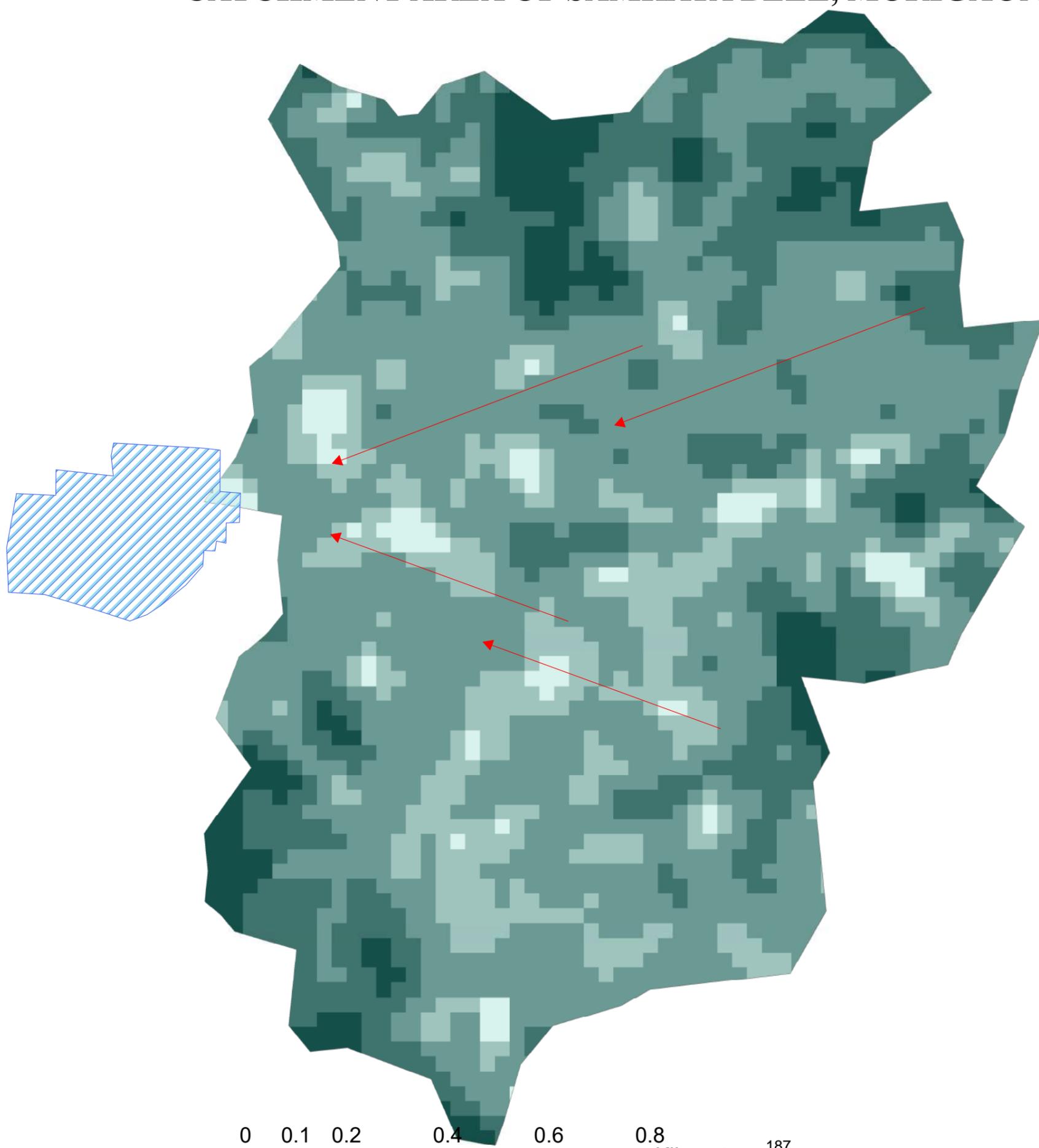
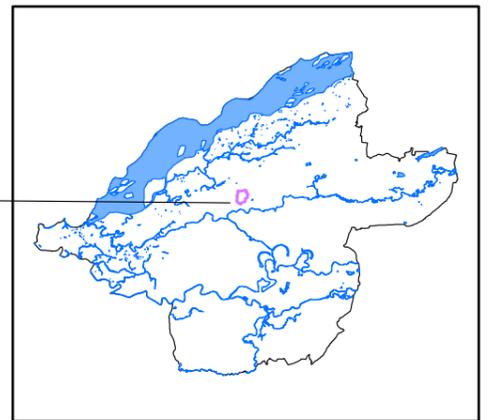
-  Unpaved Road
-  Paved Road
-  Household
-  Beel Boundry (9.38 ha)



CATCHMENT AREA OF SAMKATA BEEL, MORIGAON



Catchment analysis of the Samkata Beel in Morigaon District indicates that the Beel is hydrologically isolated and not connected to any river system. The Beel receives surface runoff from a contributing catchment area of approximately 242 hectares located to the northeast, below the Beel's elevation level. The outlet channel is situated opposite the inlet, aligned along the same flow direction. The flow accumulation pattern is represented by red arrows in the analysis map.



Legend

-  Flow Direction
-  Beel Boundary

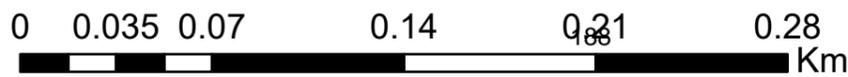
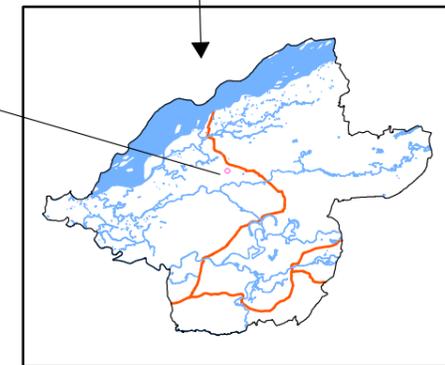
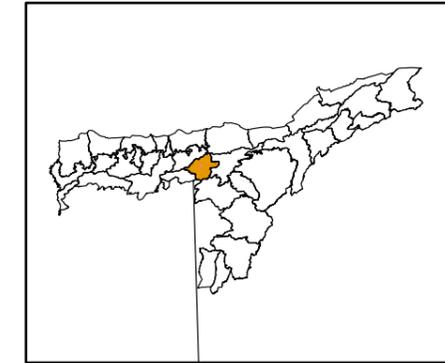
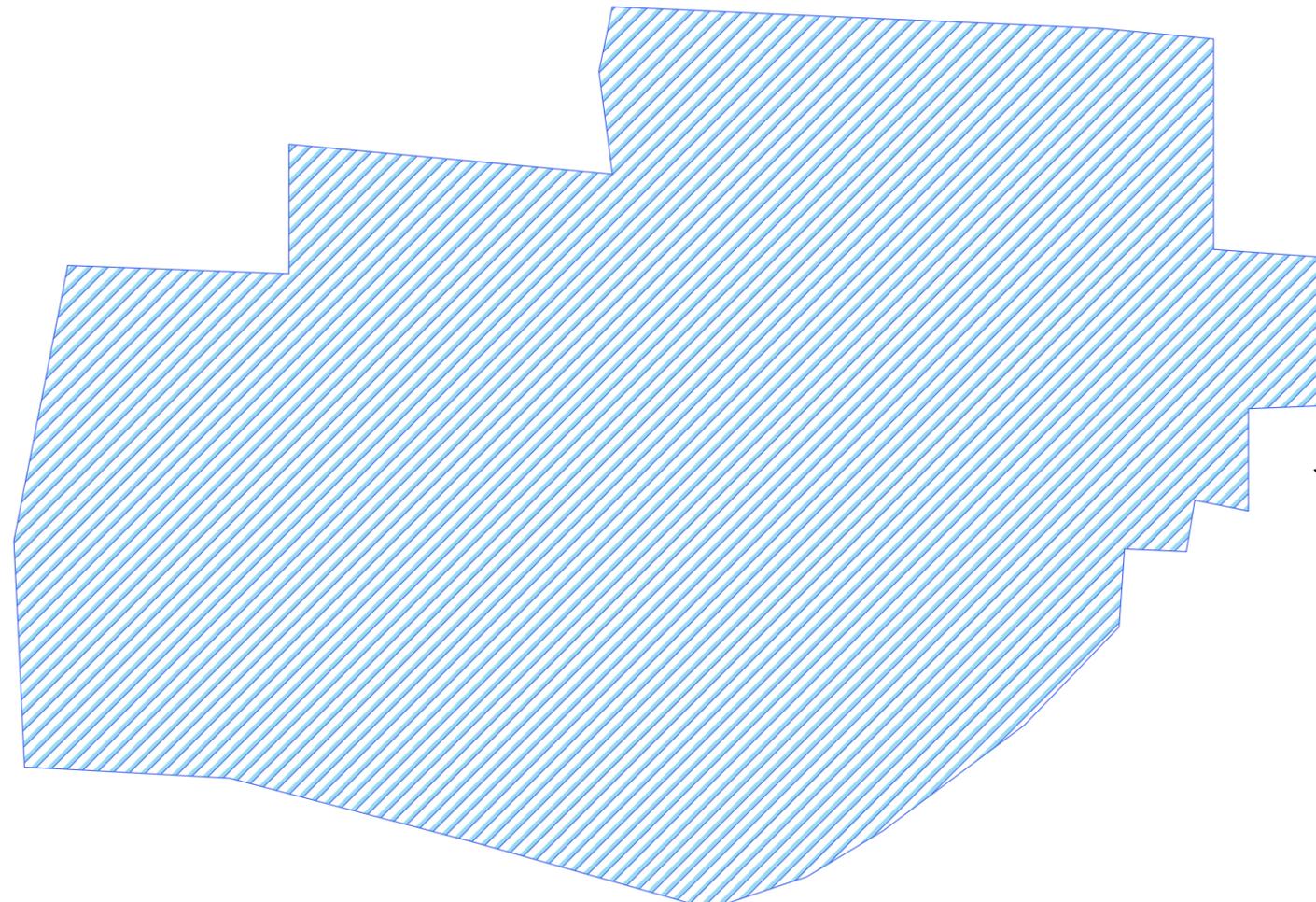
Elevation in m From MSL

-  52 - 54.96
-  54.97 - 56
-  56.01 - 57.98
-  57.99 - 60
-  60.01 - 64

 Catchment 242 ha

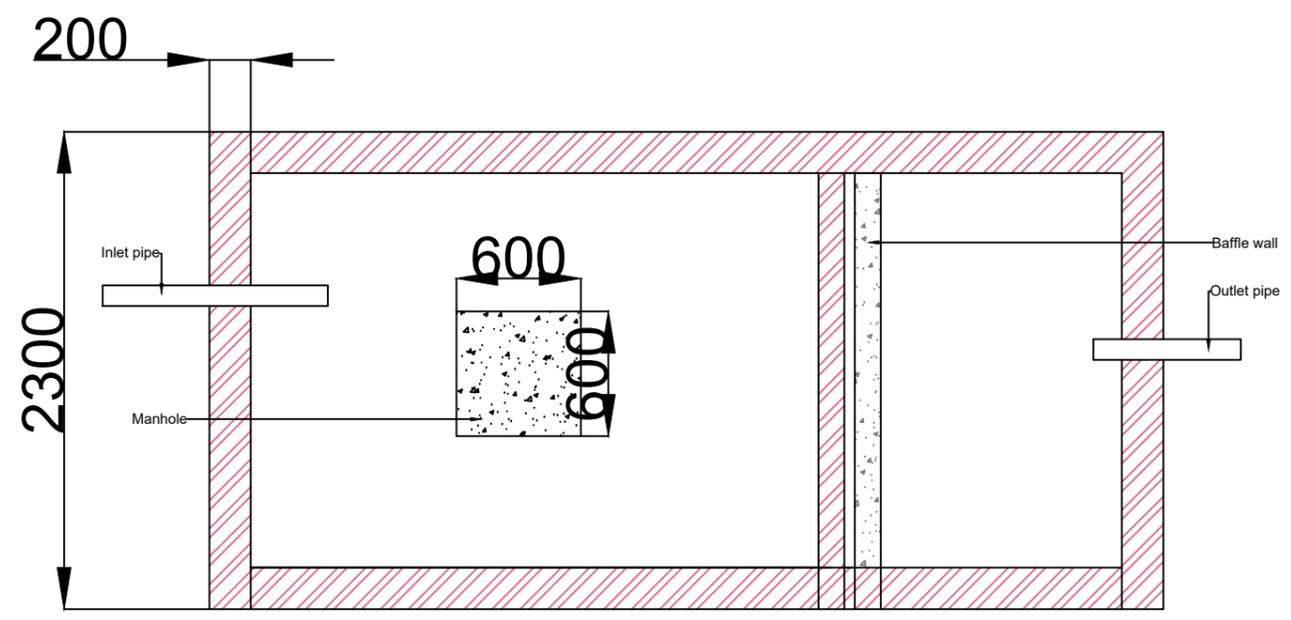


LOCATIONAL MAP OF SAMKATA BEEL, MORIGAON

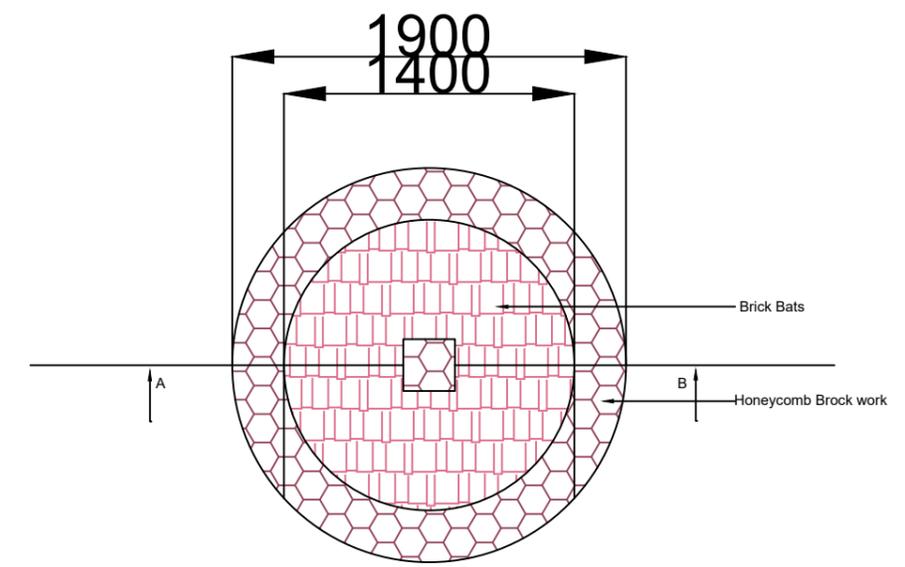


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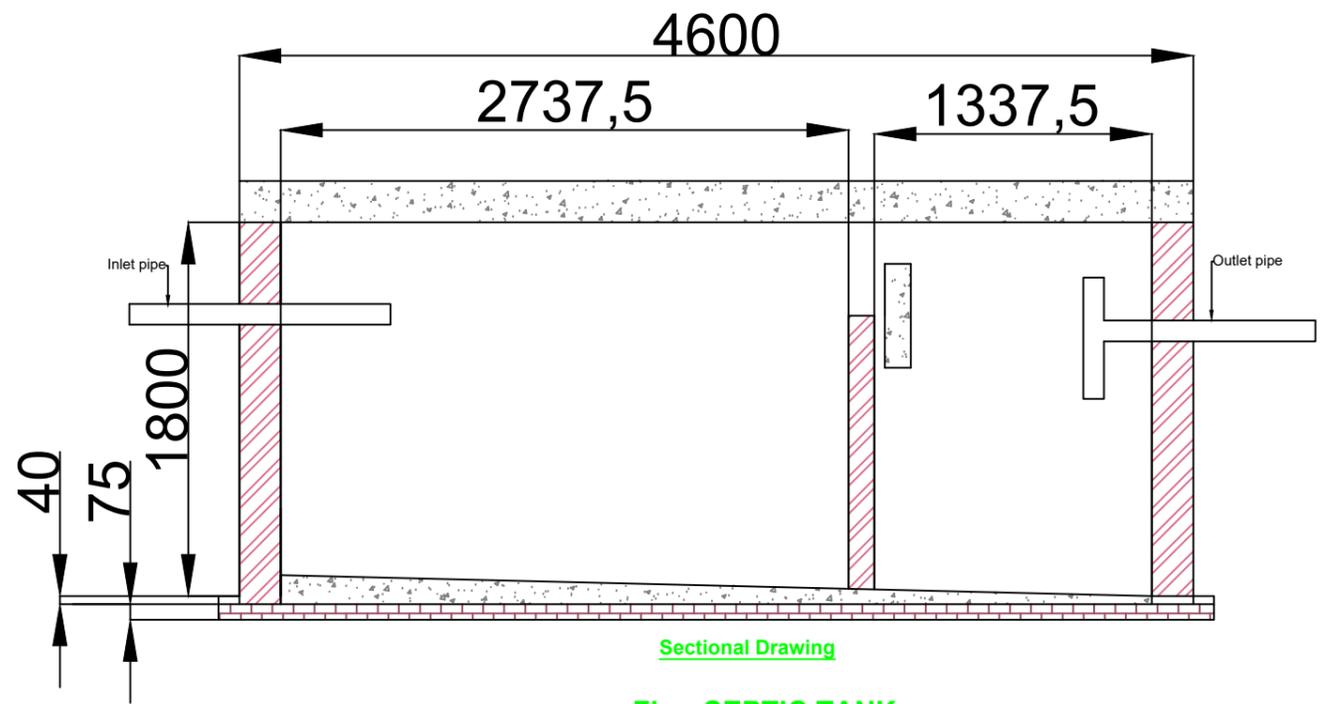
 Beel Boundry (9.38 ha)



Plan Drawing

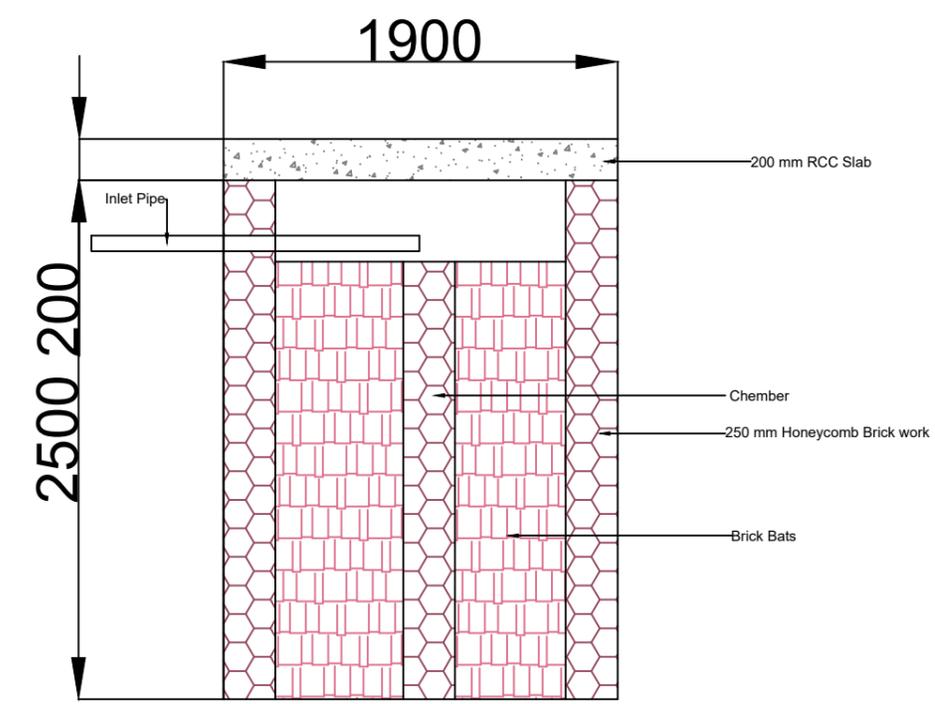


Plan Drawing



Sectional Drawing

Fig:- SEPTIC TANK



Sectional Drawing

Fig:- SOAK PIT

KEY PLAN

REFERENCE DRAWING

NO	DRAWING NO.	DESCRIPTION

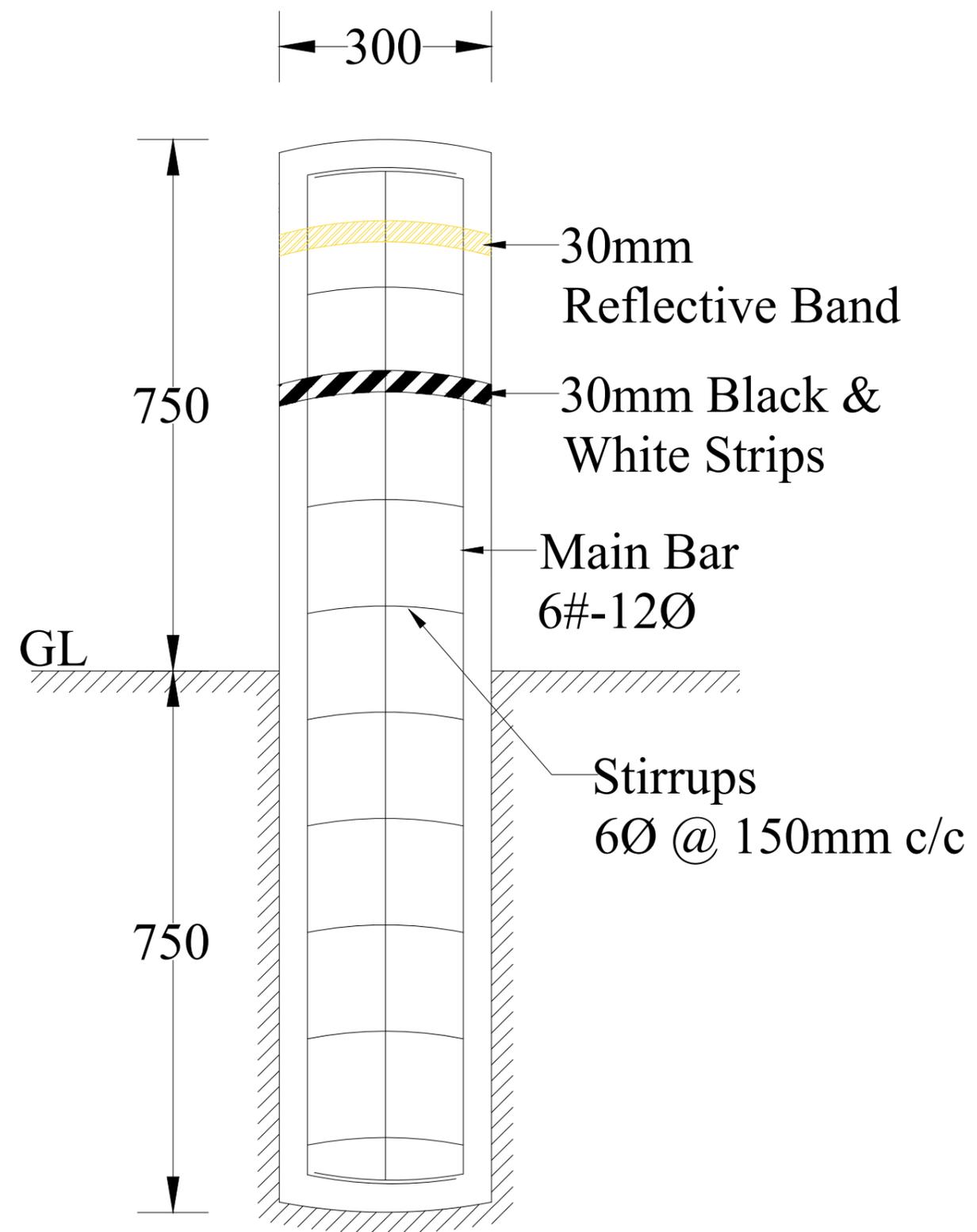
GENERAL NOTES

- ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND

NO	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED

PROJECT	CLIENT
SWIFT DPR	ARIAS
DRAWING TITLE	SCALE
COMMUNITY HALL SEPTIC TANK AND SOAK PIT	A1
SUMATO GLOBALTECH PVT LTD	AVATAR COMPLEX, NAHARANI PATH, DISPUR GUWAHATI, ASSAM
Architects & Consultant	



KEY PLAN

REFERENCE DRAWING

NO	DRAWING NO.	DESCRIPTION

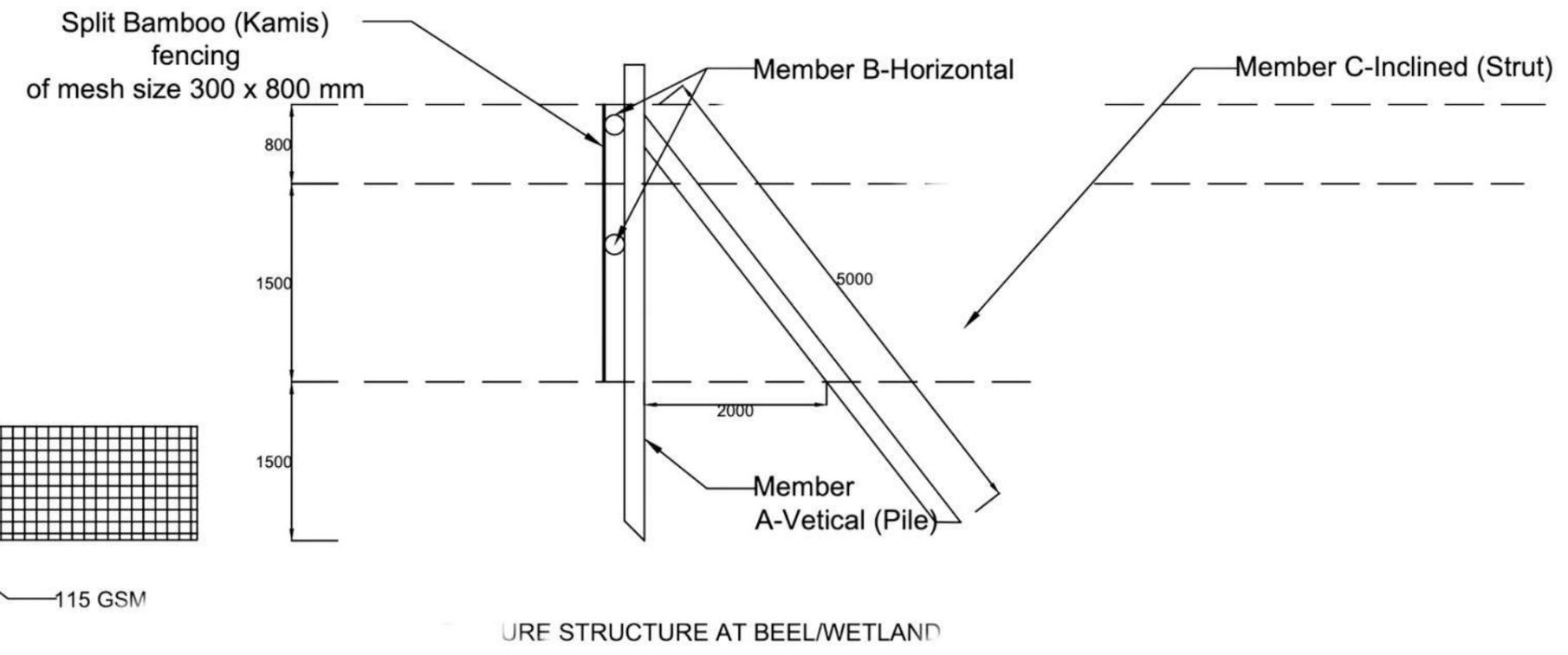
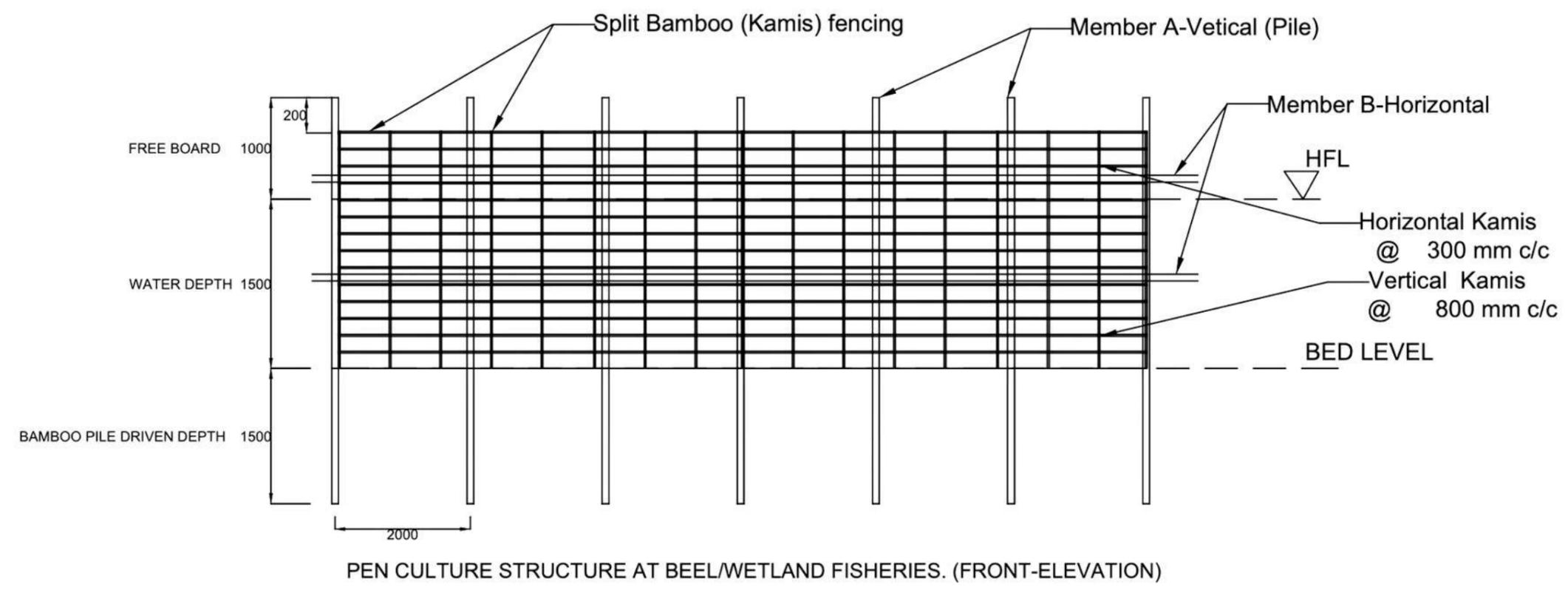
GENERAL NOTES

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND

NO	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

PROJECT SWIFT DPR		CLIENT ARIAS	
DRAWING TITLE COMMUNITY HALL		1:1	
SUMATO GLOBALTECH PVT LTD Architects & Consultant		AVATAR COMPLEX KAMARUPA P.O., DISPUR GUWAHATI-781008	



KEY PLAN

REFERENCE DRAWING

NO.	DRAWING NO.	DESCRIPTION

GENERAL NOTES

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND

NO.	REV.	DATE	BY	CHKD.	APPV.

PROJECT SWIFT DPR	CLIENT ARIAS
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DRAWING TITLE PEN CULTURE	
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SUMATO GLOBAL TECH PVT LTD Architects & Consultant	AVATAR COMPLEX, HAZARIKA PATH, DISPUR GUWAHATI, ASSAM
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