

PROPOSED INTERVENTIONS

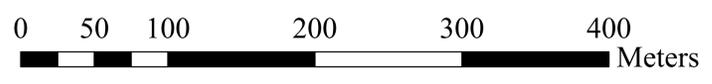
SI	Interventions / Items	Qty
1	De-Weeding	15000 Sqm
2	De-Silting	48381.92 Cum
3	Peripheral Bund	1922 meter
4	H P Laying – 600 φ	2 nos
5	Demarcation Pillar	7 nos
6	Approach Road	465.5 meter
	a. Earth work filling	2548.71 Cum
	b. GSB	279.3 Cum
	c. WBM	130.92 Cum
	d. ICBP	1745.63 Sqm
7	Rearing Tank – 0.15 ha each	6 nos
8	Stocking Tank – 0.40 ha each	3 nos
9	Pen Culture	
	Rearing Pen – 0.20 ha each	2 nos
	Stocking Pen - 0.40 ha each	3 nos
10	Katal/Jeng - 0.2 ha each	2 nos
11	Bamboo Barricade	80 m
12	Waterpool	2 ha
12	Community Hall cum Wetland Information Centre	202.09 Sqm PA
13	Fish Landing Structure	66.93 Sqm PA
14	Solar Lamp	22 units
15	Information Board	2 nos

- FUTURE PROVISION : (From other components)**
- Vermicomposting unit
 - Landscaping and plantation
 - Eco-tourism development
 - Furniture for community hall cum wetland information centre
 - Craft & Gear

Name of Beel: Borakata Beel
Development Block : Bihaguri
Revenue Village : Borakata Pathar
District : Sonitpur
Lat/Long- 26.648753, 92.673798
Beel Area : 18.06 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 BORAKATA BEEEL

Legend

- Proposed Vermicompost Site
- TBM (65.96 m)
- Demarcation Pillar
- Proposed Solar Lamp
- Proposed HP
- Existing Culvert
- Existing Unpaved Road
- Proposed Approach Road
- Proposed Embankment
- Waterpool
- Rearing Pen
- Stocking Pen
- Bamboo Barricade
- Katal Structure
- Rearing Tank
- Stocking Tank
- Fish Landing Structure
- Community Hall cum Wetland Information Centre
- Water Area
- Beel Boundary



26°38'45"N

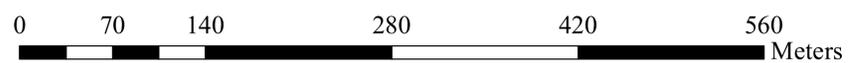
26°39'15"N

26°39'00"N

26°38'45"N

92°40'30"E 92°40'45"E 92°41'0"E 92°41'15"E

DRONE IMAGE OF BORAKATA BEEL, SONITPUR



92°40'10"E 92°40'20"E 92°40'30"E 92°40'40"E 92°40'50"E 92°41'0"E 92°41'10"E 92°41'20"E

26°38'30"N 26°38'40"N 26°38'50"N 26°39'0"N 26°39'10"N

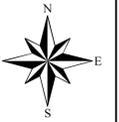
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26°38'30"N 26°38'40"N 26°38'50"N 26°39'0"N 26°39'10"N

92°40'30"E

92°40'40"E

92°40'50"E



WEED INFESTED MAP OF BORAKATA BEEL, SONITPUR

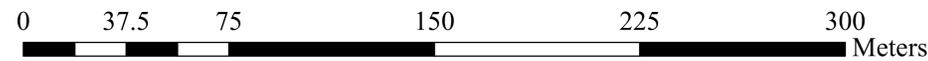
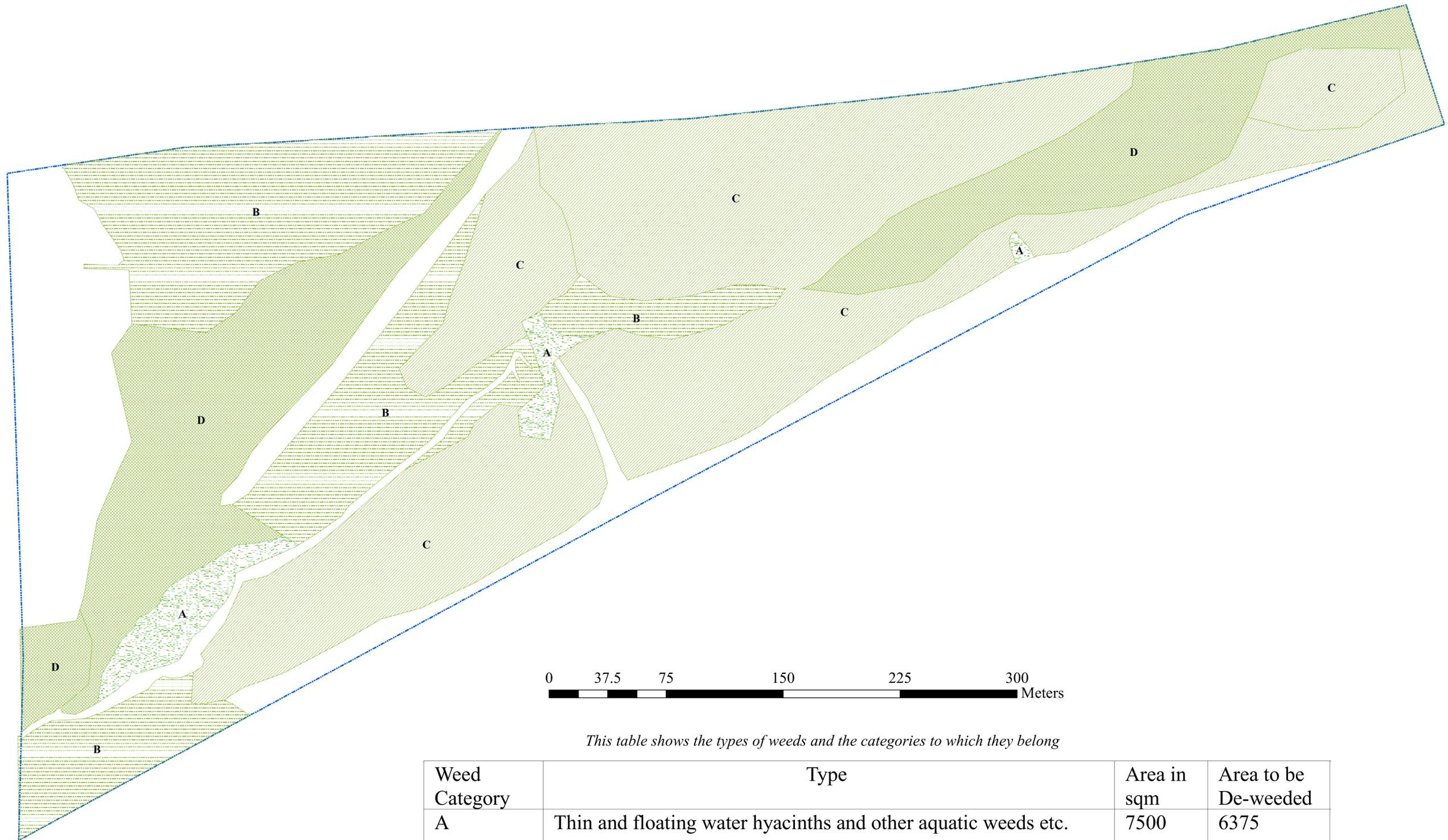
SHOWING THE WEED TYPE & AREA COVERED

26°38'50"N

26°38'50"N

26°38'40"N

26°38'40"N



This table shows the types of weeds and the categories to which they belong

Weed Category	Type	Area in sqm	Area to be De-weeded
A	Thin and floating water hyacinths and other aquatic weeds etc.	7500	6375
B	Thick and floating water hyacinths and other aquatic weeds etc.	22500	19125
C	Thick and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 50 cm	60000	51000
D	Medium and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	60000	51000

Legend

Weed Category

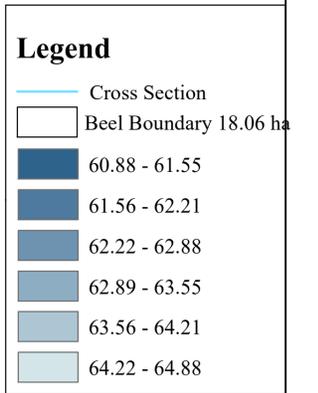
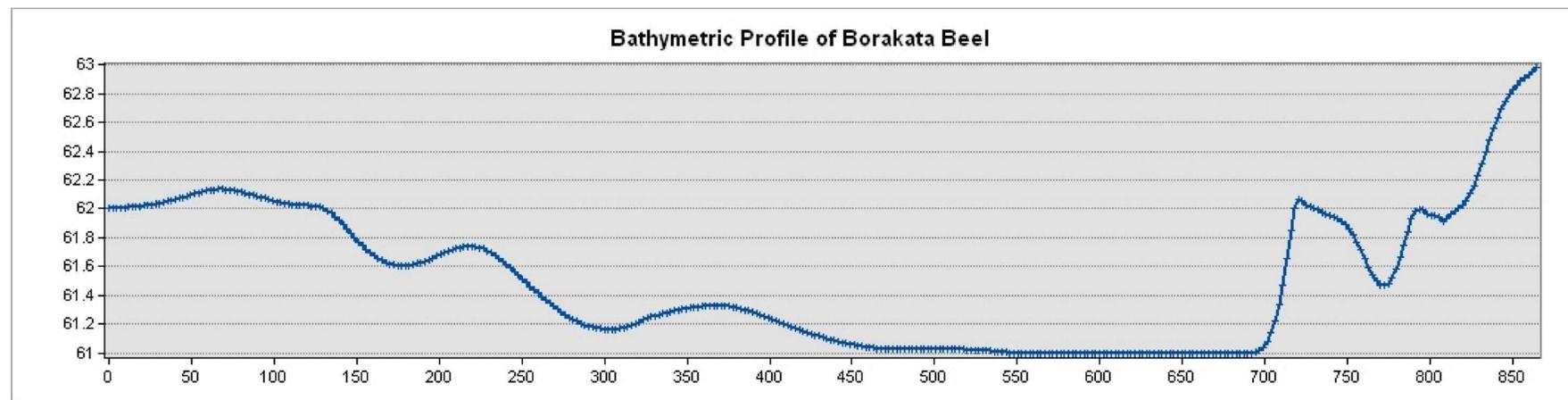
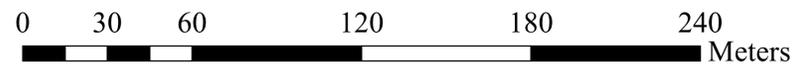
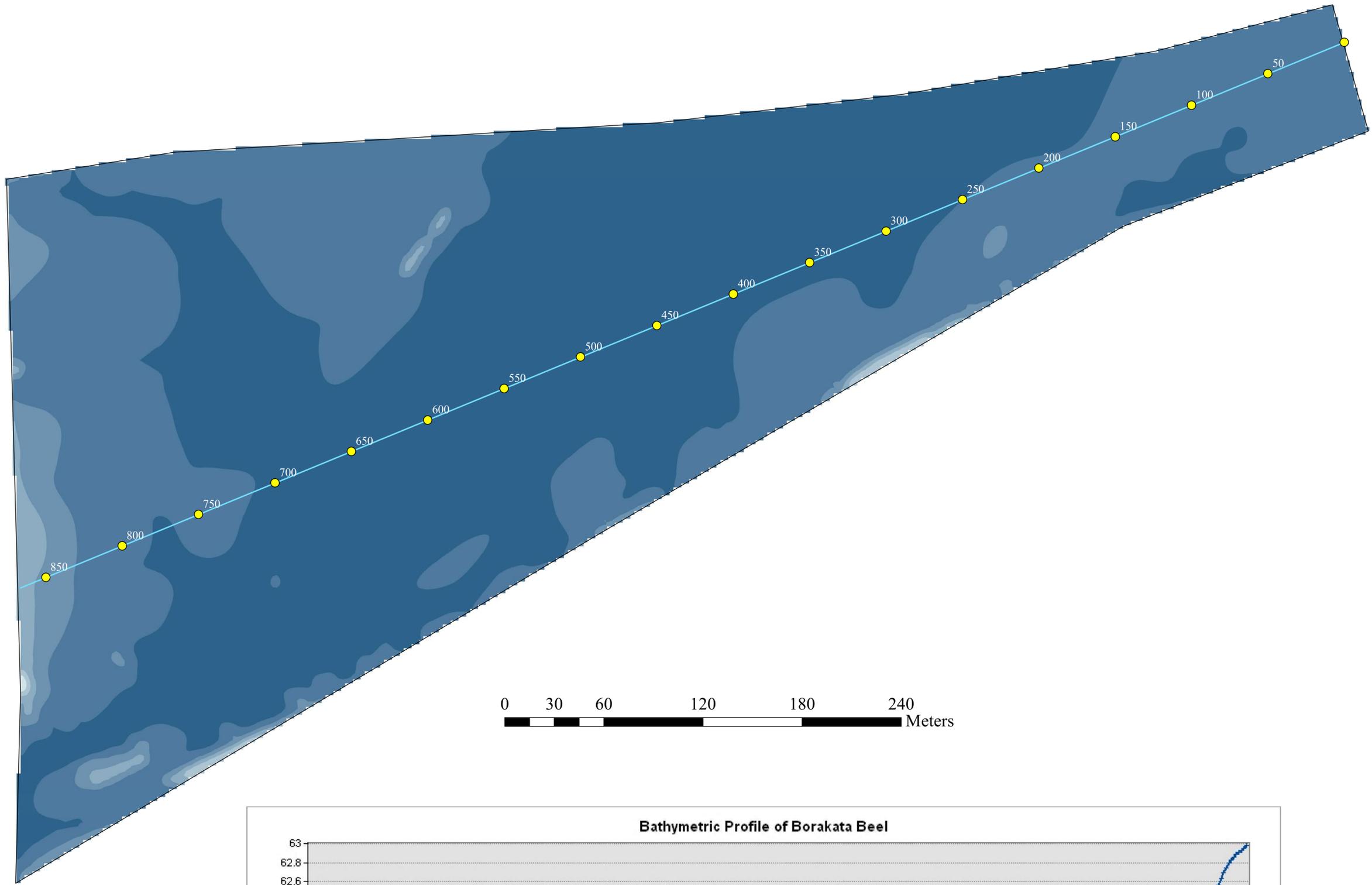
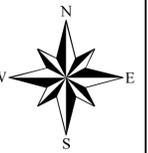
- Category A (0.75 ha)
- Category B (2.25 ha)
- Category C (6 ha)
- Category D (6 ha)
- Beel Boundary (18.06 ha)

92°40'30"E

92°40'40"E

92°40'50"E

BATHYMETRIC MAP & PROFILE OF BORAKATA BEEL, SONITPUR



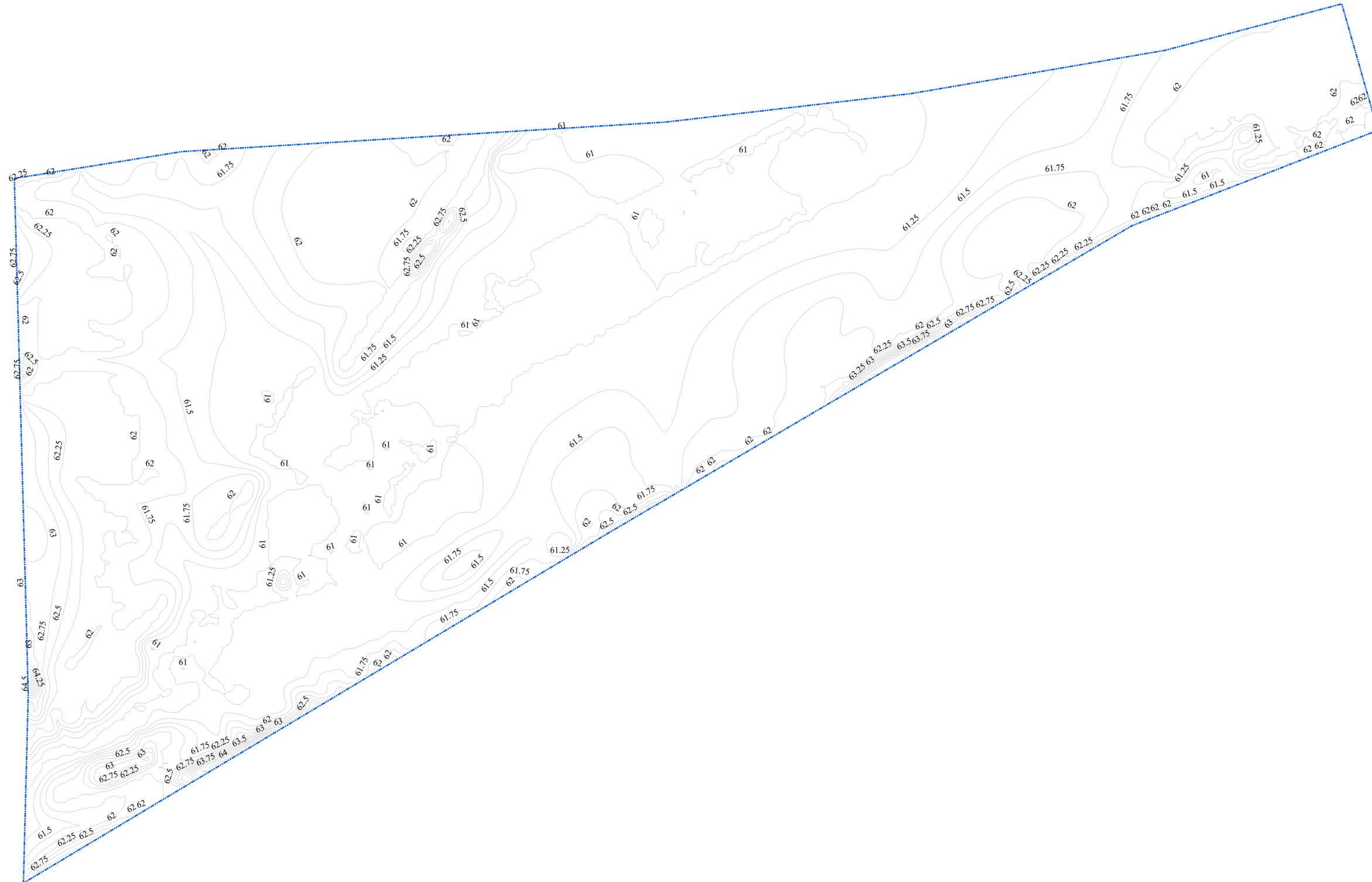
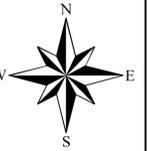
92°40'30"E

92°40'40"E

92°40'50"E

BATHYMETRIC CONTOUR MAP OF BORAKATA BEEL, SONITPUR

0.25 m CONTOUR INTERVAL



26°38'50"N

26°38'50"N

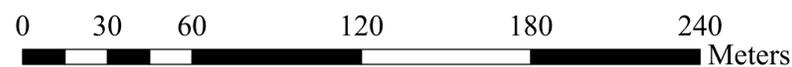
26°38'40"N

26°38'40"N

92°40'30"E

92°40'40"E

92°40'50"E

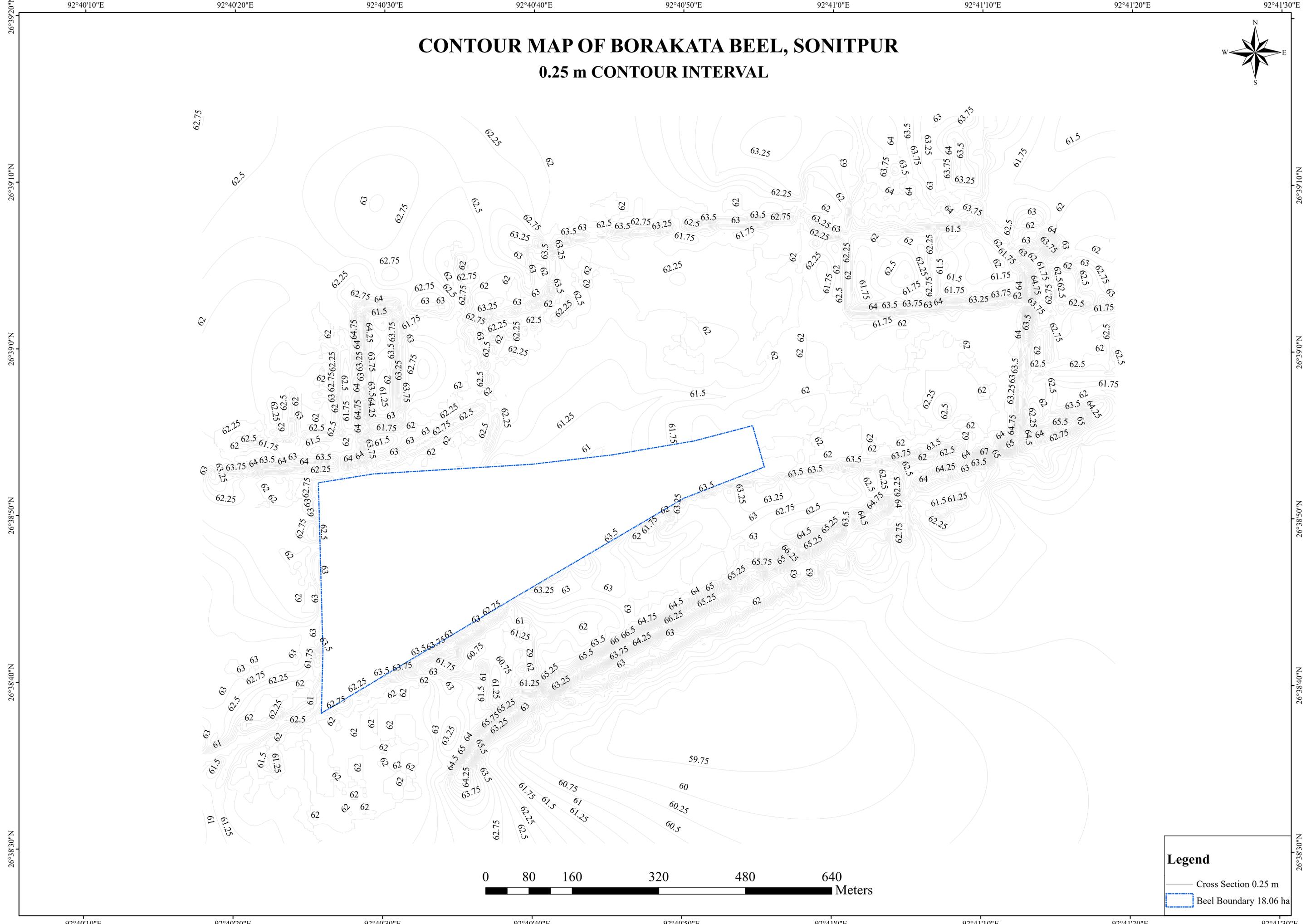
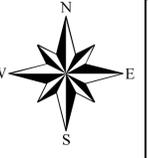


Legend

- Cross Section 0.25 m
- ▭ Beel Boundary 18.06 ha

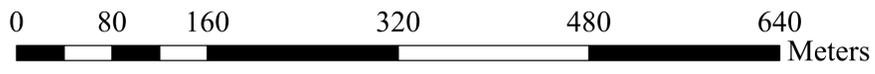
CONTOUR MAP OF BORAKATA BEEL, SONITPUR

0.25 m CONTOUR INTERVAL

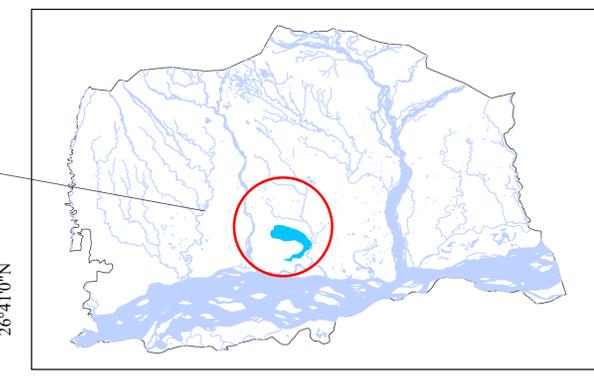
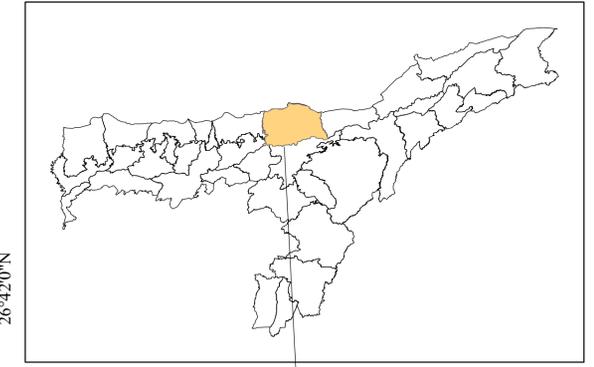
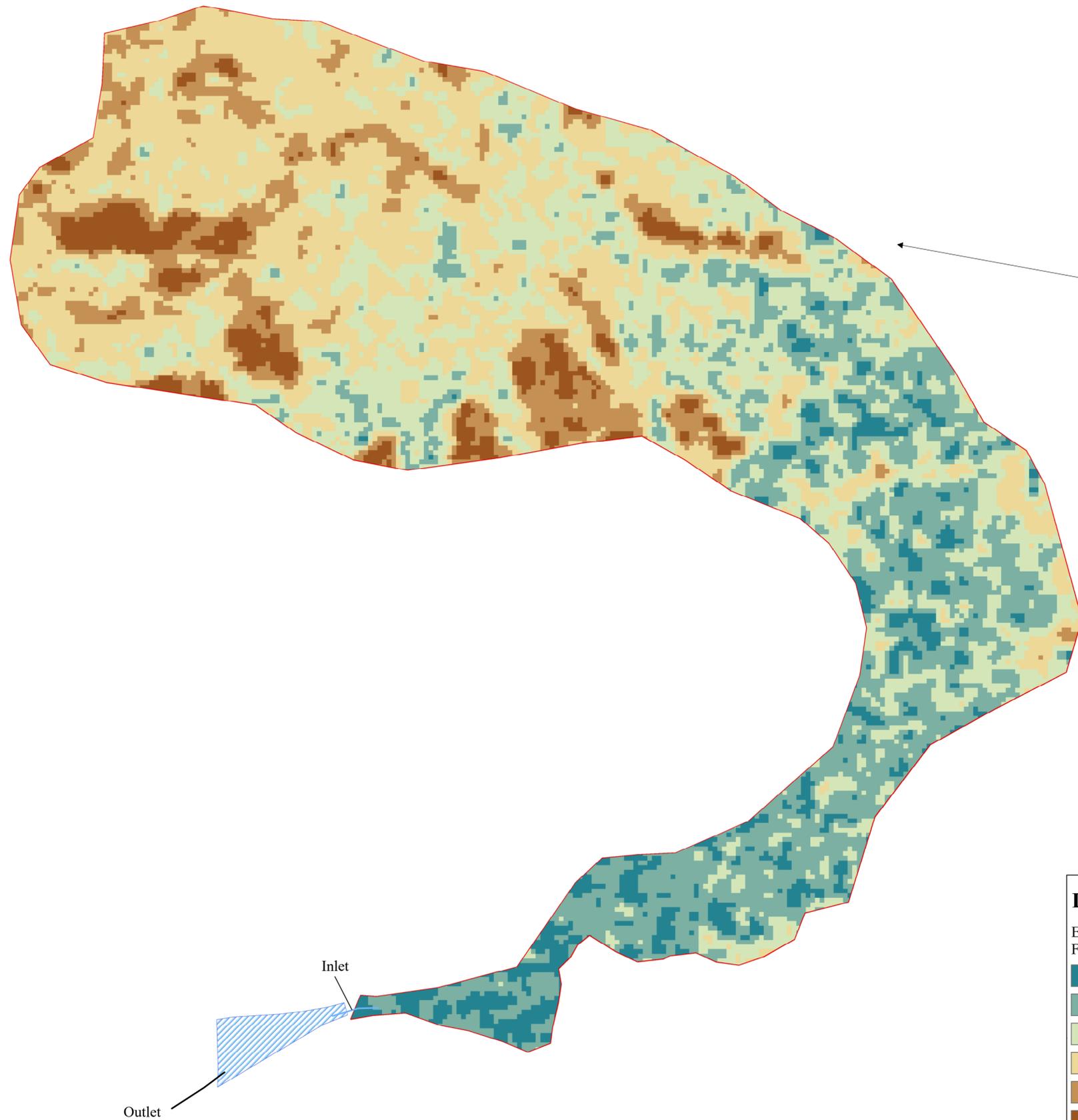
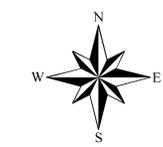


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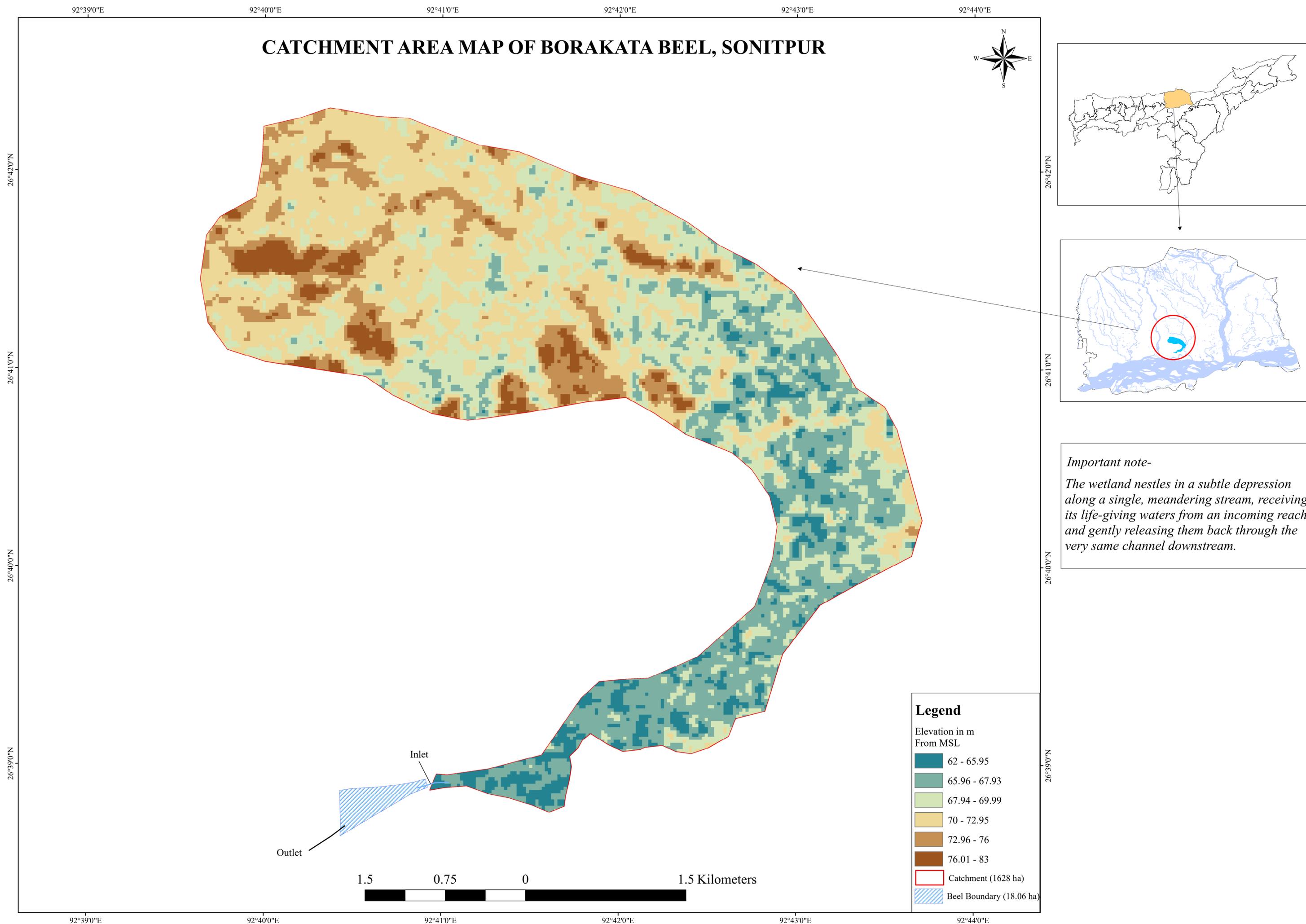
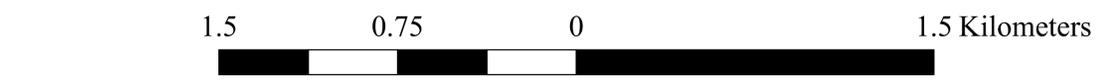
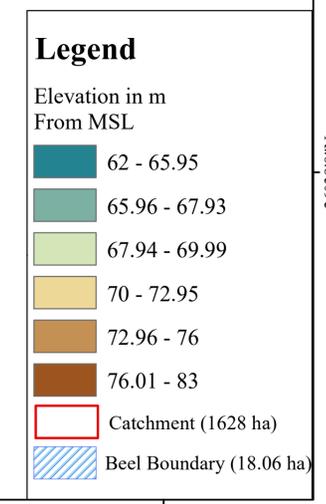
- Cross Section 0.25 m
- ▭ Beel Boundary 18.06 ha



CATCHMENT AREA MAP OF BORAKATA BEEL, SONITPUR



Important note-
The wetland nestles in a subtle depression along a single, meandering stream, receiving its life-giving waters from an incoming reach and gently releasing them back through the very same channel downstream.



92.668 92.672 92.676 92.680 92.684 92.688 92.692

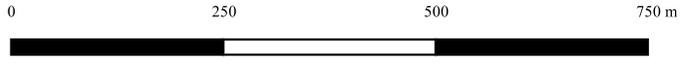
Georeference Map Overlay With Drone & Tracing Image of Borakata Beel, Sonitpur



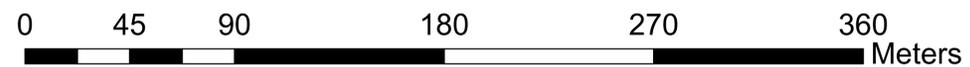
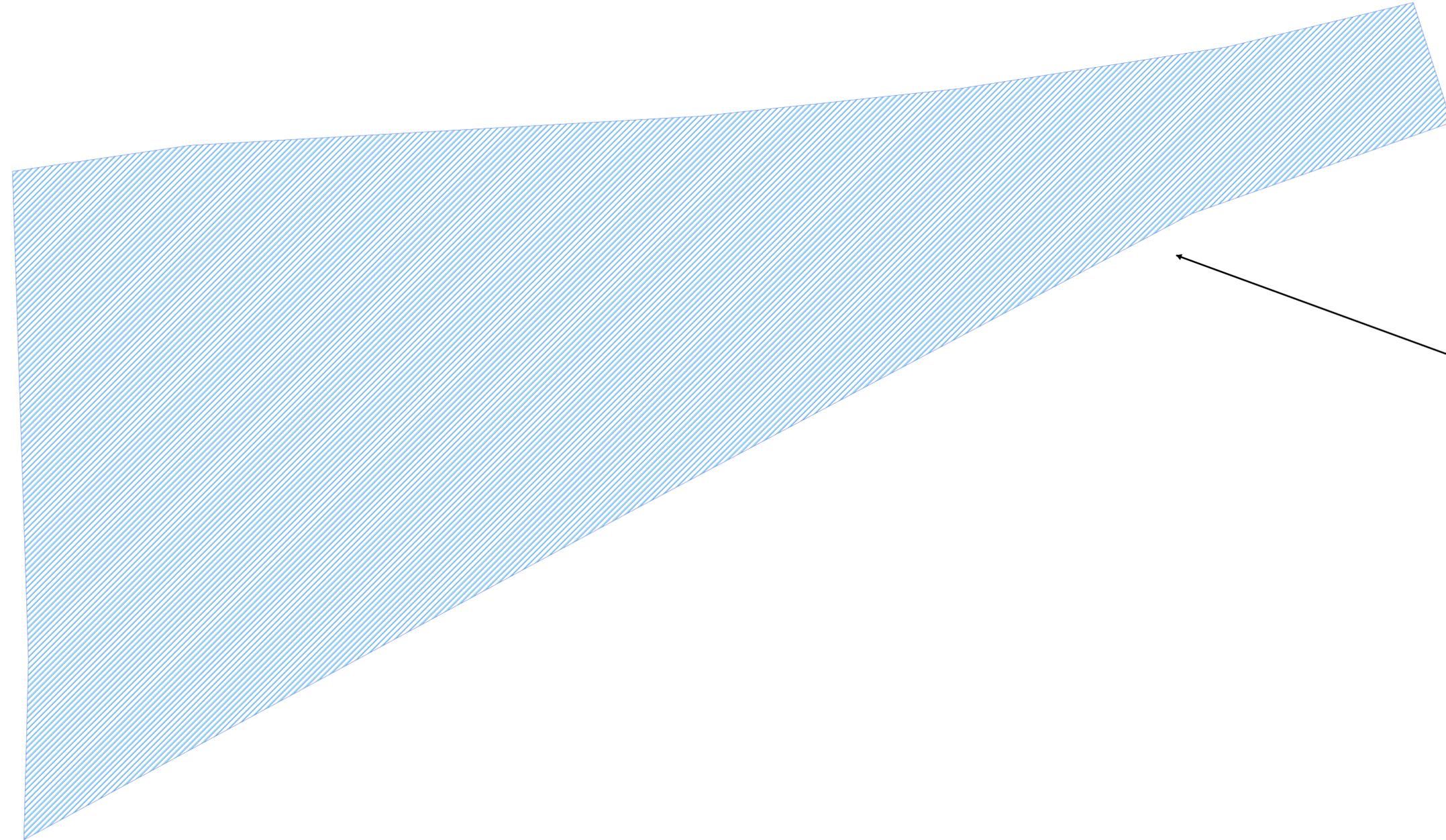
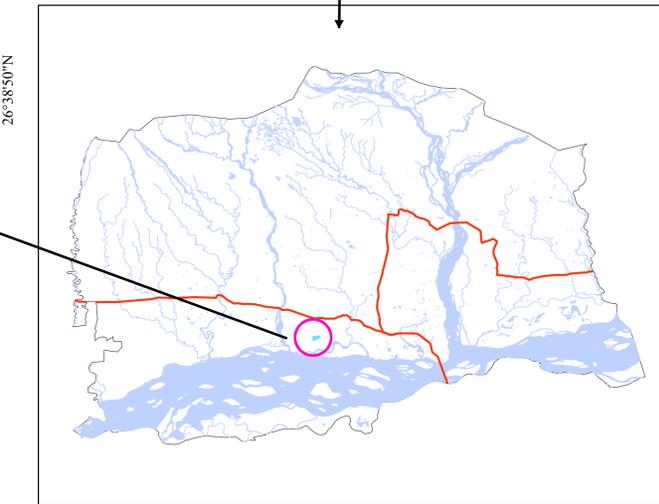
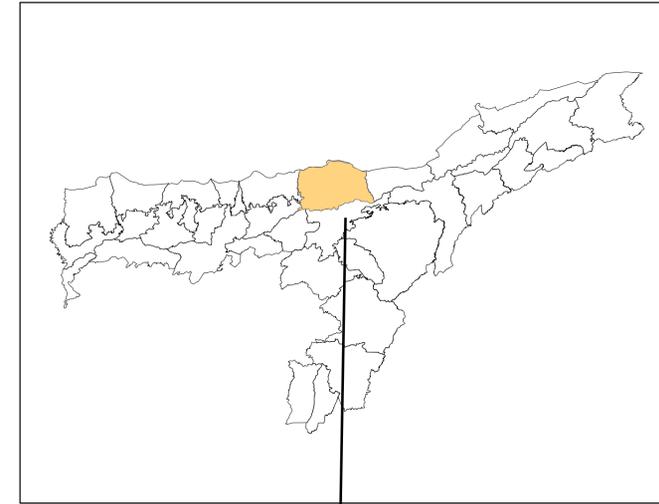
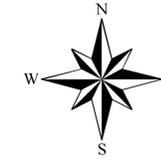
26.656
26.652
26.648
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26.656
26.652
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26.644
26.640

92.668 92.672 92.676 92.680 92.684 92.688 92.692



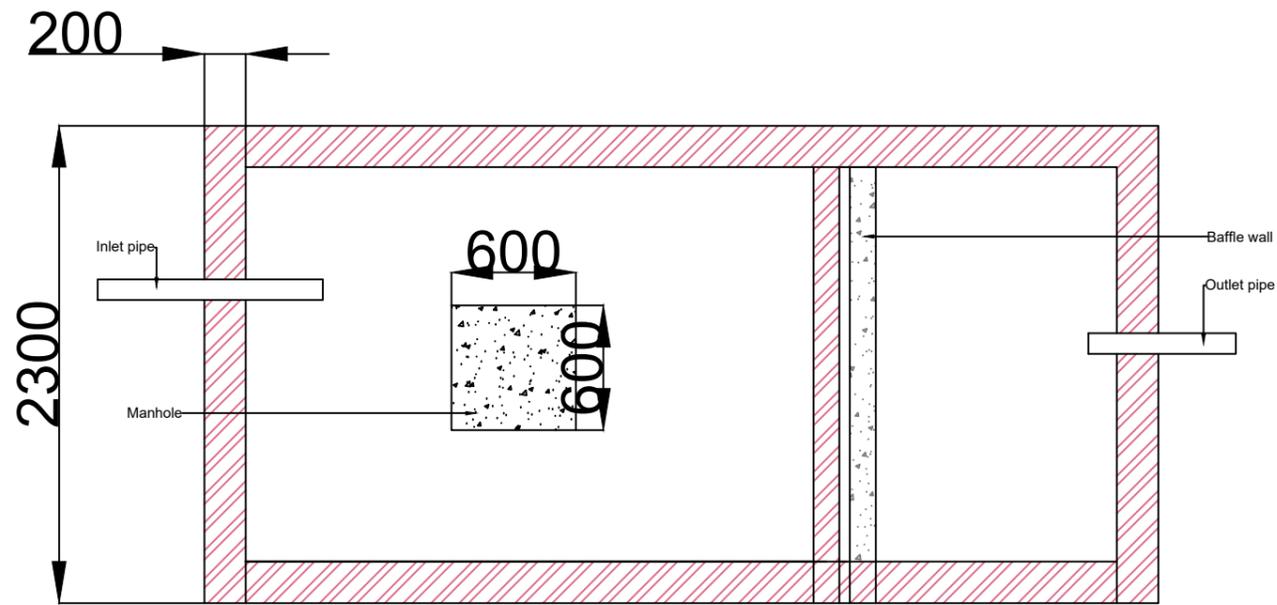
LOCATIONAL MAP OF BORAKATA BEEL, SONITPUR



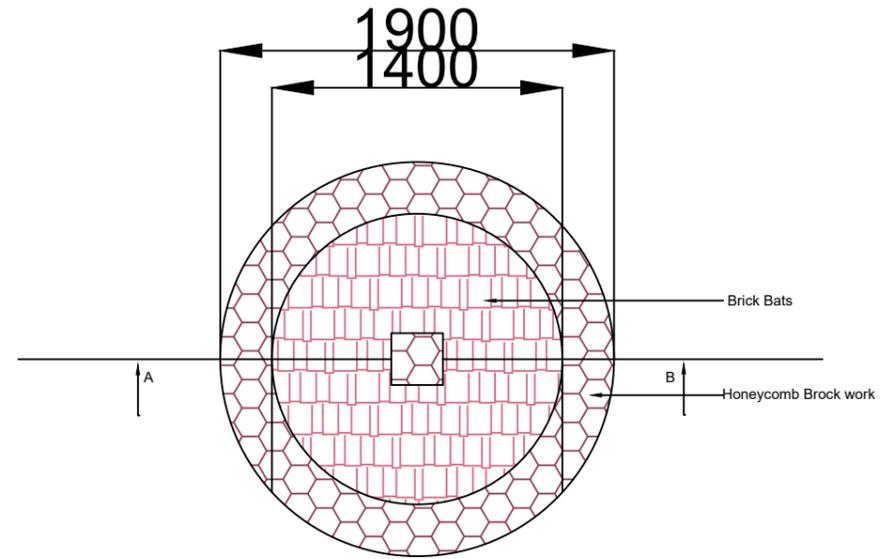
Legend

Lat-26.648753
Long-92.673798
Lat-26.643943
Long-92.682081

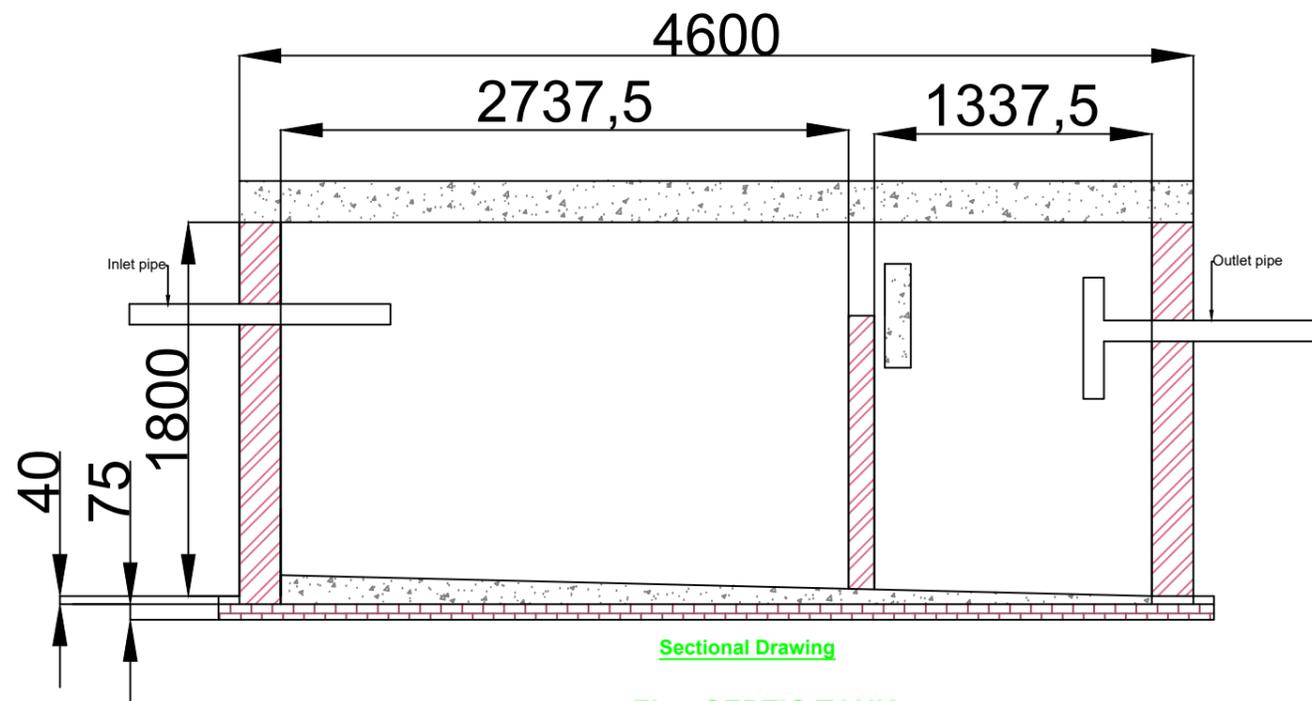
 Beel Boundary (18.06 ha)



Plan Drawing

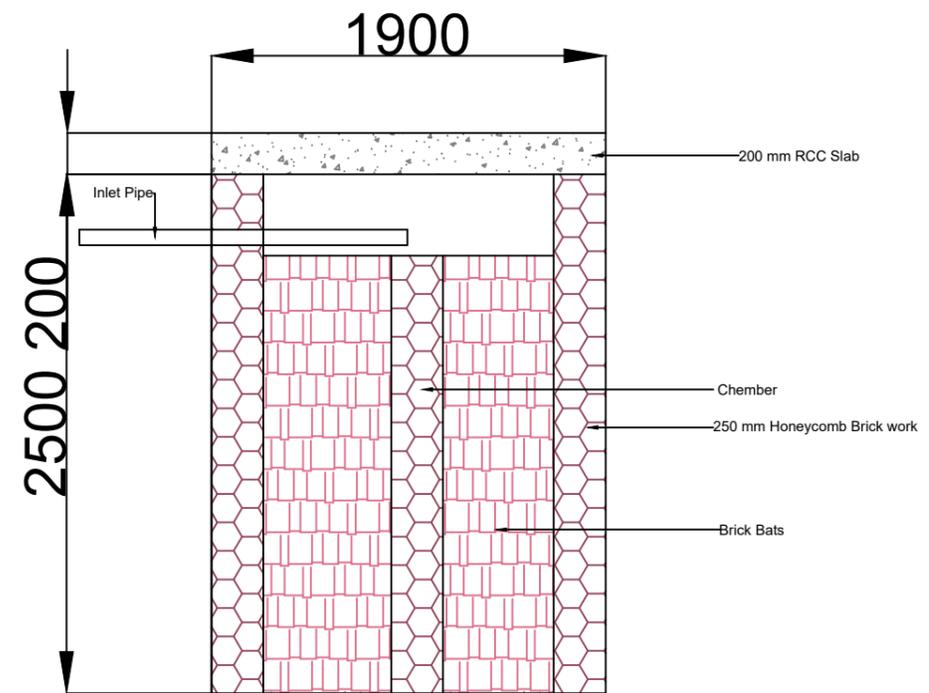


Plan Drawing



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	BY	CHECKED	APPROVED

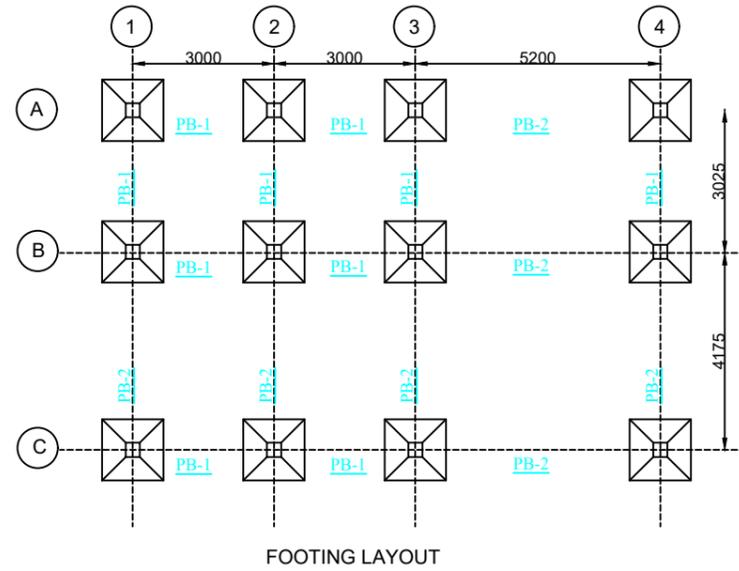
PROJECT	CLIENT
SWIFT DPR	ARIAS

DRAWING TITLE	SCALE	FORMAT	DRAWING NUMBER	SHEET NUMBER
COMMUNITY HALL SEPTIC TANK AND SOAK PIT	A3			

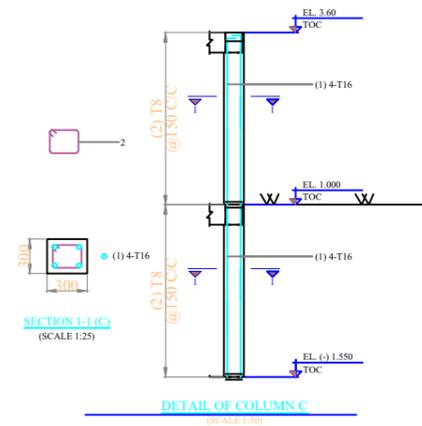
SUMATO GLOBALTECH PVT LTD	AVATAR COMPLEX, NAHARANI PATH, DISPUR GUWAHATI 781006
Architects & Consultant	

NOTES

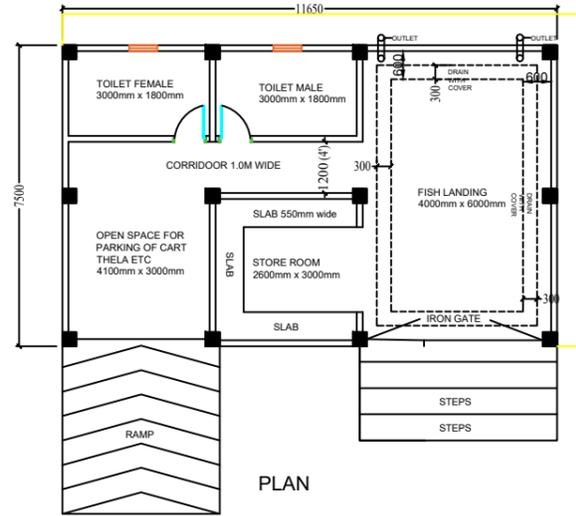
1. This drawing is the property of SM and it is not to be reproduced, copied or handed over in any form except for the purpose for which it is intended.
2. All dimensions are in millimeters except where mentioned otherwise.
3. Drawings are not to be scaled, written dimensions are to be followed. All discrepancies to be brought to the notice of the Architect and resolved before commencement of any work.
4. This drawing is to be read in conjunction with details, large scale drawings, structural, plumbing, electrical and other relevant drawings.
5. Detail drawings shall supercede smaller scale drawings and notes.
6. All lintel lvl. is from finish floor lvl.



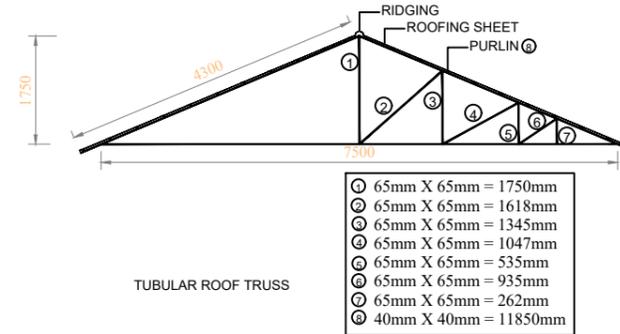
FOOTING LAYOUT



DETAIL OF COLUMN C (SCALE 1:50)



PLAN



TUBULAR ROOF TRUSS

NOTE:

1. COLUMN SIZE = 300MM X 300MM
2. PLINTH BEAM SIZE = 300MM X 350MM
3. BEAM SIZE ABOVE GL = 200MM X 250MM
4. SIZE OF LINTEL = 150MM X 150MM
5. SIZE OF WINDOW = 1.50M X 1.20M
6. SIZE OF DOOR = 0.75M X 1.80M

DESCRIPTION

CLIENT:
ARIAS SOCIETY

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

DRAWING CONTENTS:

PLAN ELEVATION & CROSS SECTION OF FISH LANDING STRUCTURE

DRAWING NO:

DRAWING TITLE:-

PLAN & SECTION

SCALE:

DRAWN BY:

DATE : 12-01-2025

PAPER SIZE: A3

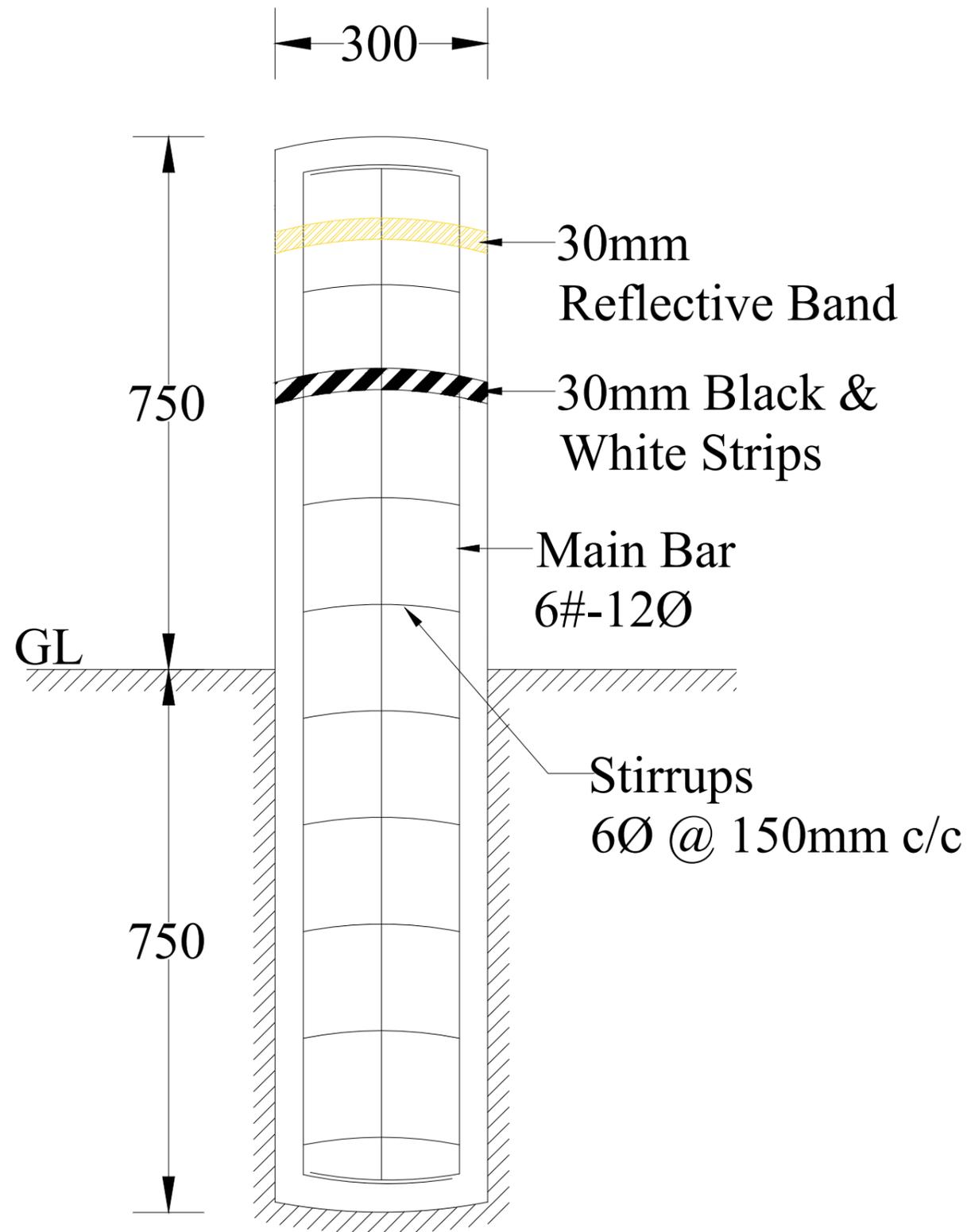
SIGNATURE:

DESIGNED BY:

CONSULTANT ►

SUMATO GLOBALTECH PVT LTD

REVISIONS



KEY PLAN

REFERENCE DRAWING

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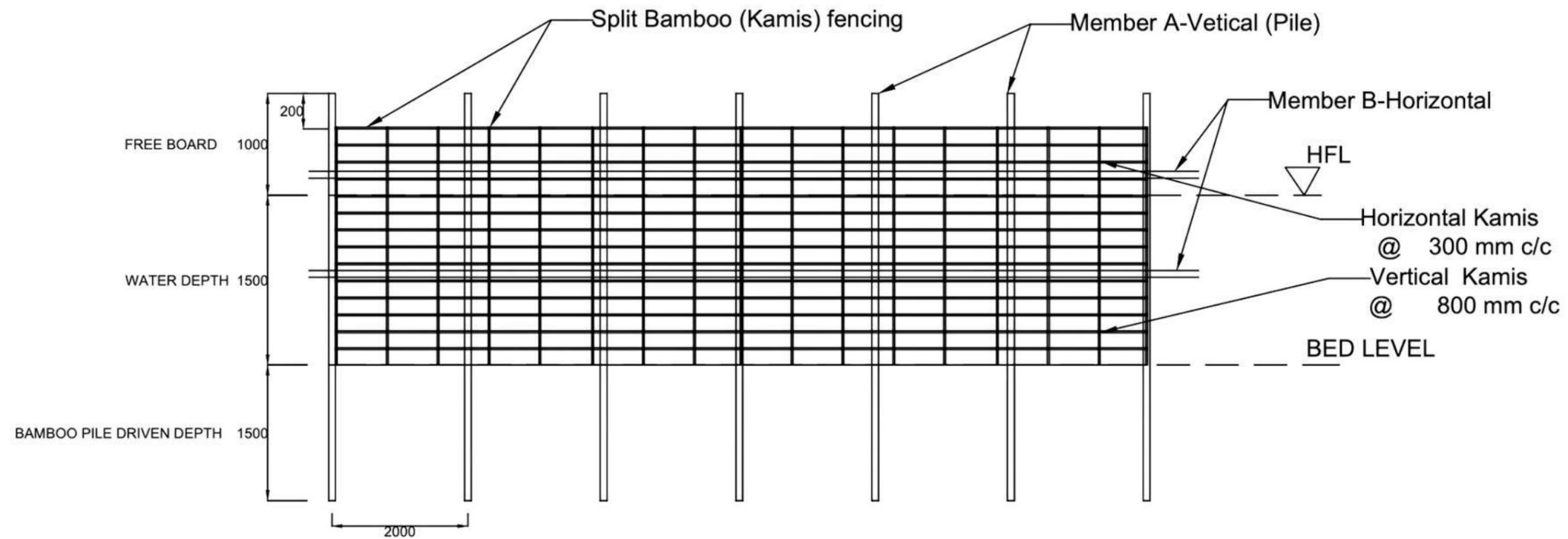
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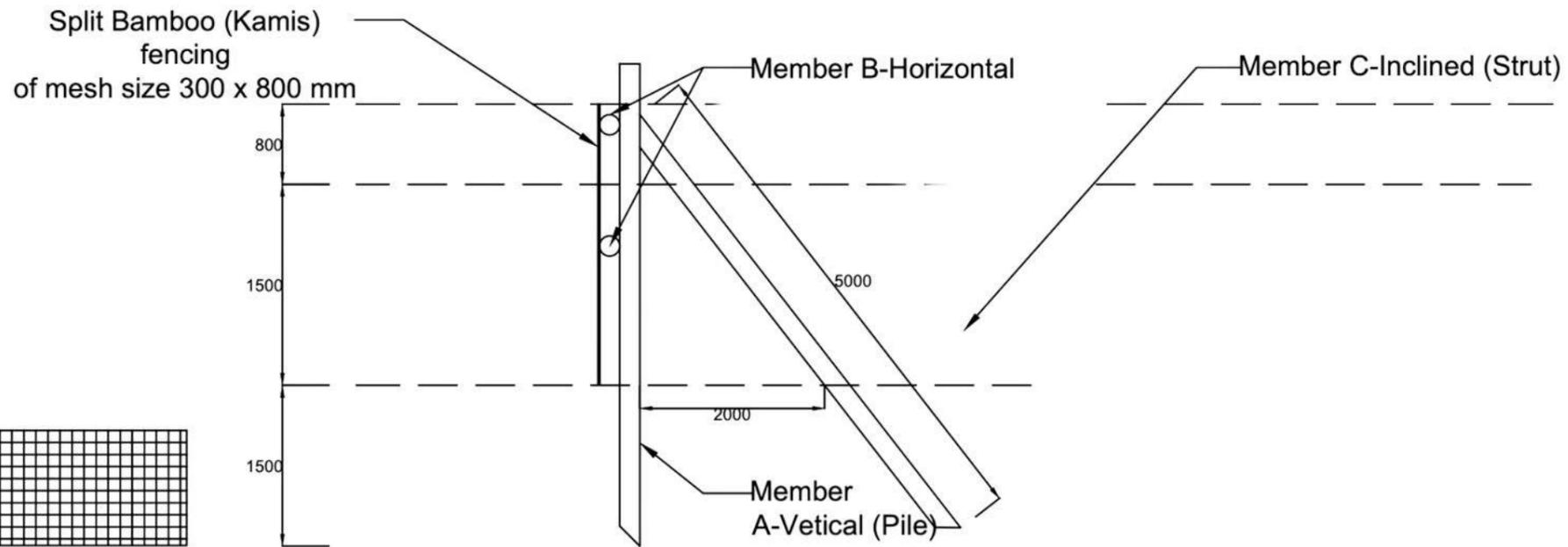
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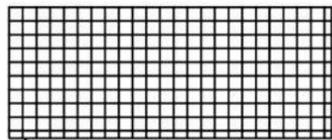
PROJECT SWIFT DPR		CLIENT ARIAS	
DRAWING TITLE COMMUNITY HALL		NO 	SHEET
SUMATO GLOBALTECH PVT LTD Architects & Consultant		AVATAR COMPLEX NANGARAH PETA, DESUPAR CUMBAKATI-751008	



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



URE STRUCTURE AT BEEL/WETLAND



115 GSM

KEY PLAN

REFERENCE DRAWING

NO.	DRAWING NO.	DESCRIPTION

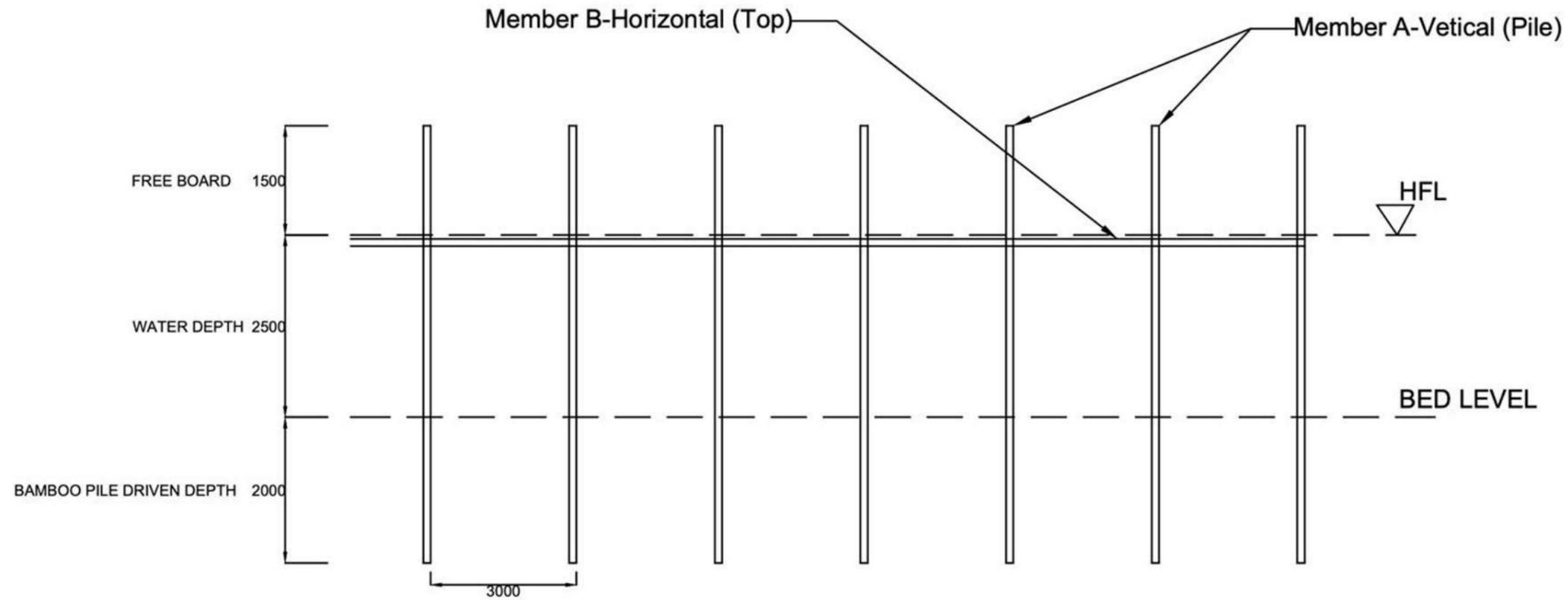
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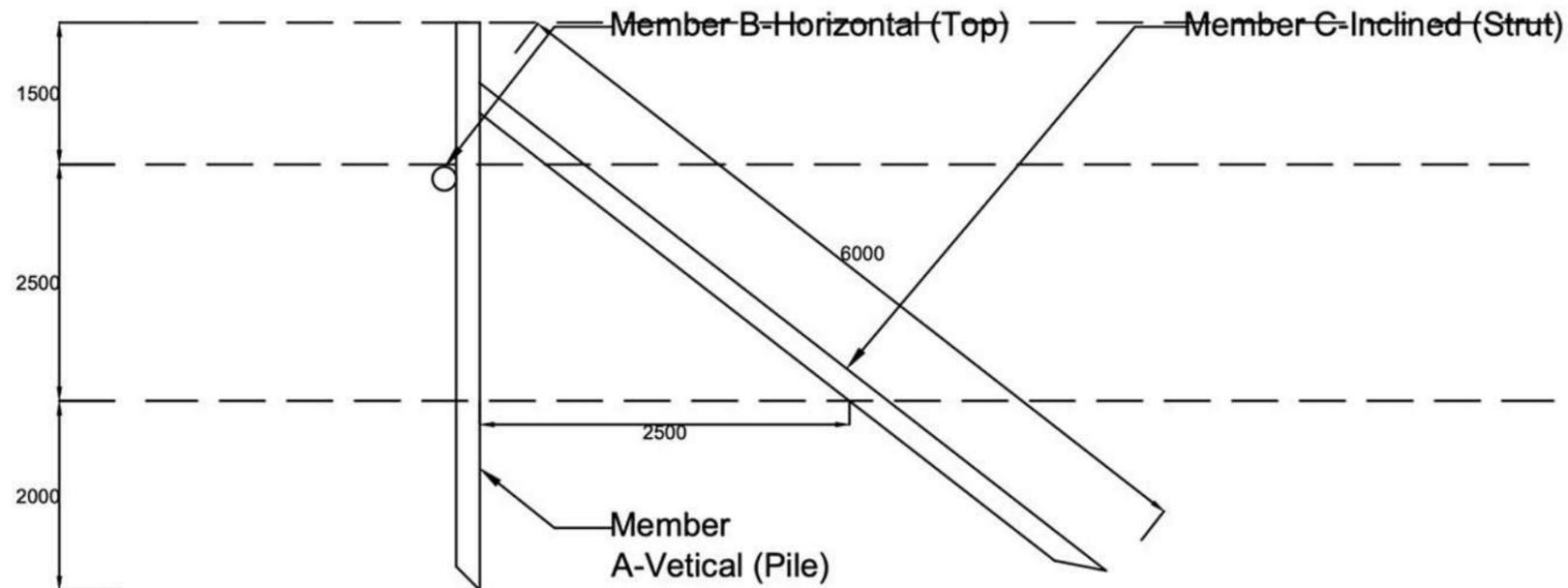
LEGEND

NO.	REV.	DATE	BY	CHKD.	APPV.

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



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



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

KEY PLAN

REFERENCE DRAWING

NO	DRAWING NO.	DESCRIPTION

GENERAL NOTES

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LEGEND

NO	REV	DATE	DESCRIPTION	BY	CHECKED	APPROVED

PROJECT	CLIENT
SWIFT DPR	ARIAS
DRAWING TITLE	
KATAL FISHING	
SUMATO GLOBAL TECH PVT LTD	AVATAR COMPLEX, RAJAJAN PATE, DISPUR GUWAHATI, ASSAM
Architects & Consultant	