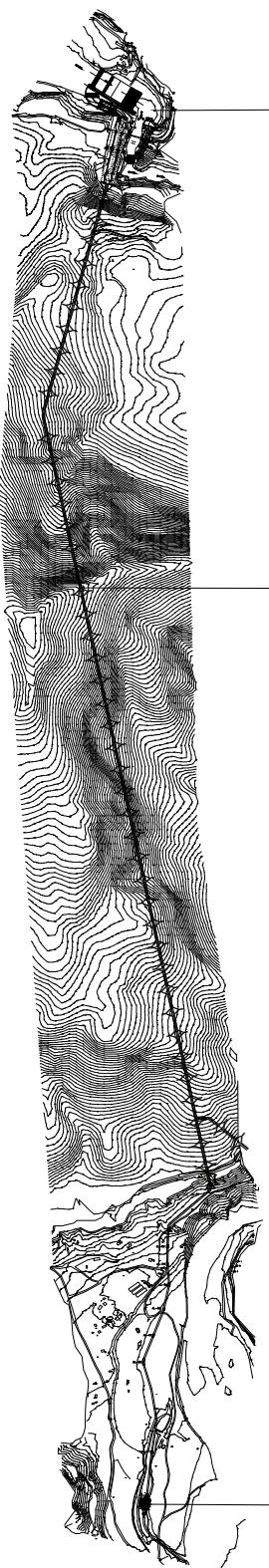


Key Plan of Seti Khola Hydropower Project



Headworks

Tunnel

Power House

LEGENDS

| S.N | Description | Symbol |
|-----|-------------|--------|
| 1 | Slope | |
| 2 | Gate | |

PROJECT TITLE:

POTENTIAL STUDY OF SETI
KHOLA HYDROELECTRIC
PROJECT

GROUP MEMBER:

Sulav Adhikari (028042-20)
Ayush Malla (028063-20)
Anupa Mandal (028064-20)
Sital Neupane (028068-20)
Dharamveer Yadav (028097-20)

PROJECT SUPERVISOR:

DR. UMESH JUNG THAPA

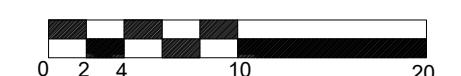
DEPARTMENT OF
CIVIL ENGINEERING
KATHMANDU UNIVERSITY

DRAWING TITLE

Key Plan of Seti Khola
Hydropower

All dimensions are in meter
unless otherwise specified.

SCALE : 1:2400



GROUP:- 09

SHEET NO.: - 1

DATE: JUNE 7, 2025

LEGENDS

| S.N | Description | Symbol |
|-----|-------------|---|
| 1 | Slope |  |
| 2 | Gate |  |

PROJECT TITLE:

POTENTIAL STUDY OF SETI
KHOLA HYDROELECTRIC
PROJECT

GROUP MEMBER:

Sulav Adhikari (028042-20)
Ayush Malla (028063-20)
Anupa Mandal (028064-20)
Sital Neupane (028068-20)
Dharamveer Yadav (028097-20)

PROJECT SUPERVISOR:

DR. UMESH JUNG THAPA

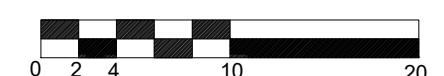
DEPARTMENT OF
CIVIL ENGINEERING
KATHMANDU UNIVERSITY

DRAWING TITLE

Key Plan of Seti Khola
Hydropower

All dimensions are in meter
unless otherwise specified.

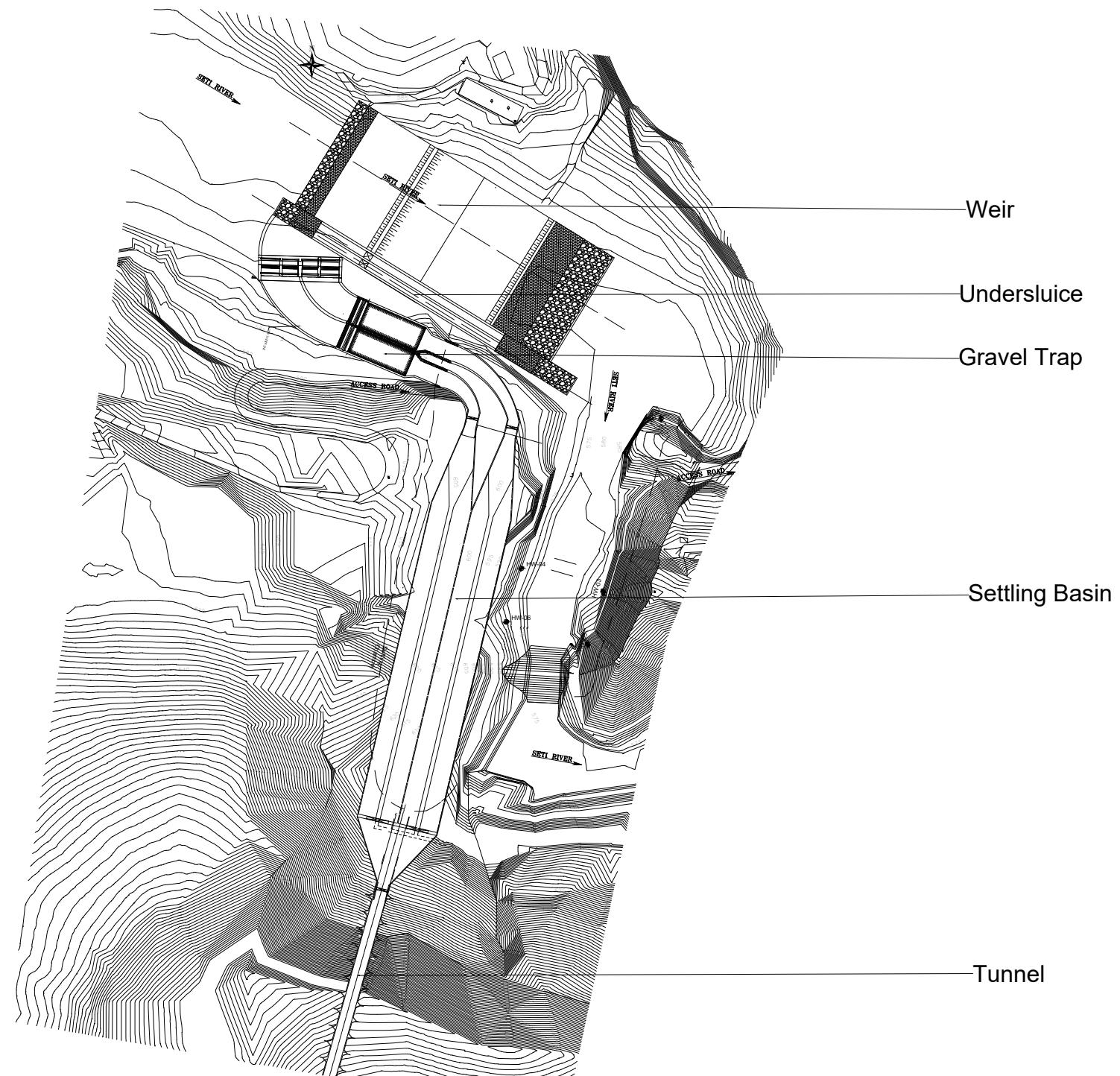
SCALE : 1:300



GROUP:- 09

SHEET NO.: 1

DATE: JUNE 7, 2025



Key Plan of Headworks

LEGENDS

| S.N | Description | Symbol |
|-----|-------------|--------|
| 1 | Slope | |
| 2 | Gate | |

PROJECT TITLE:

POTENTIAL STUDY OF SETI
KHOLA HYDROELECTRIC
PROJECT

GROUP MEMBER:

Sulav Adhikari (028042-20)
Ayush Malla (028063-20)
Anupa Mandal (028064-20)
Sital Neupane (028068-20)
Dharamveer Yadav (028097-20)

PROJECT SUPERVISOR:

DR. UMESH JUNG THAPA

DEPARTMENT OF
CIVIL ENGINEERING
KATHMANDU UNIVERSITY

DRAWING TITLE

WEIR AND UNDERSLUICE

All dimensions are in meter
unless otherwise specified.

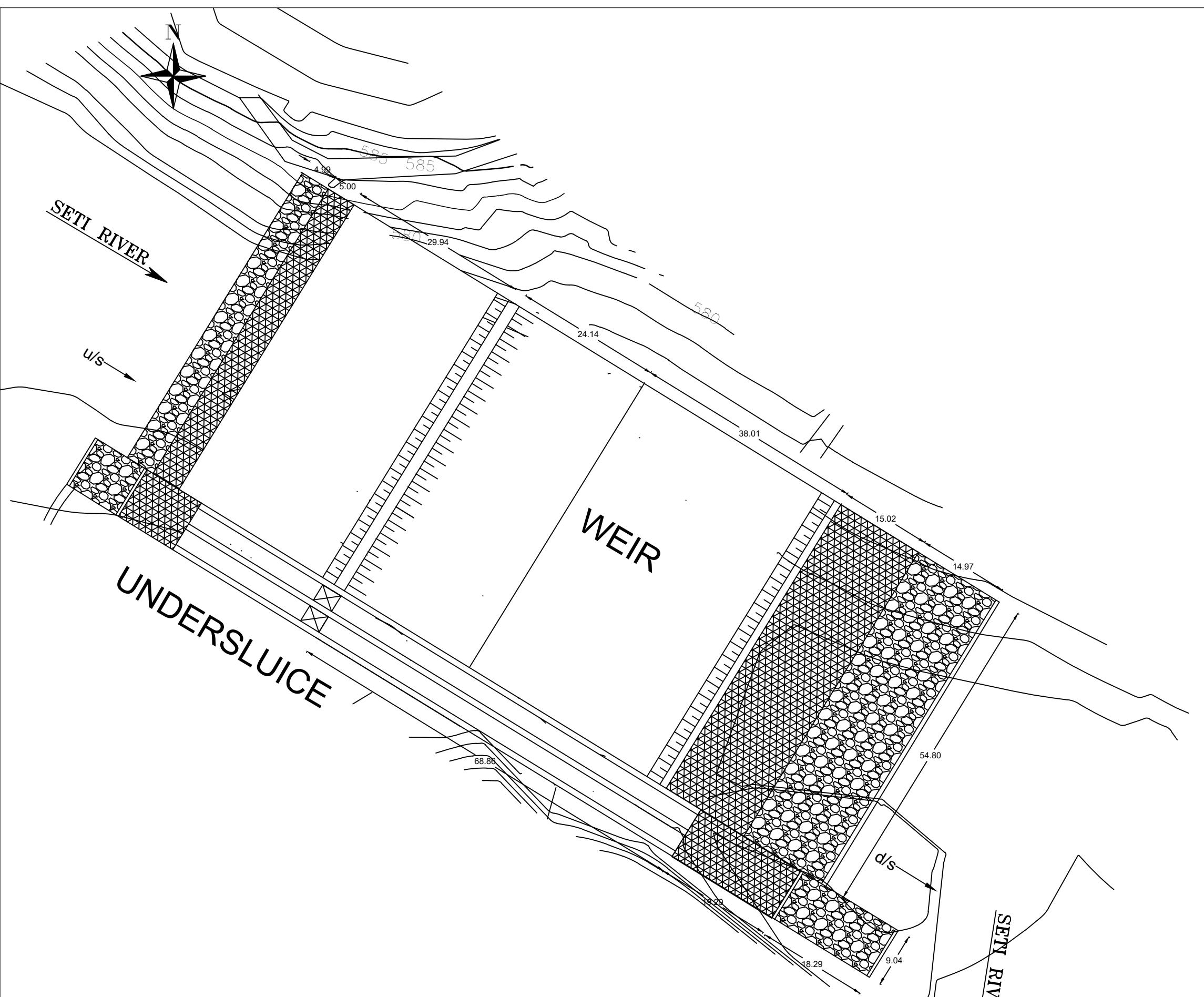
SCALE : 1:150



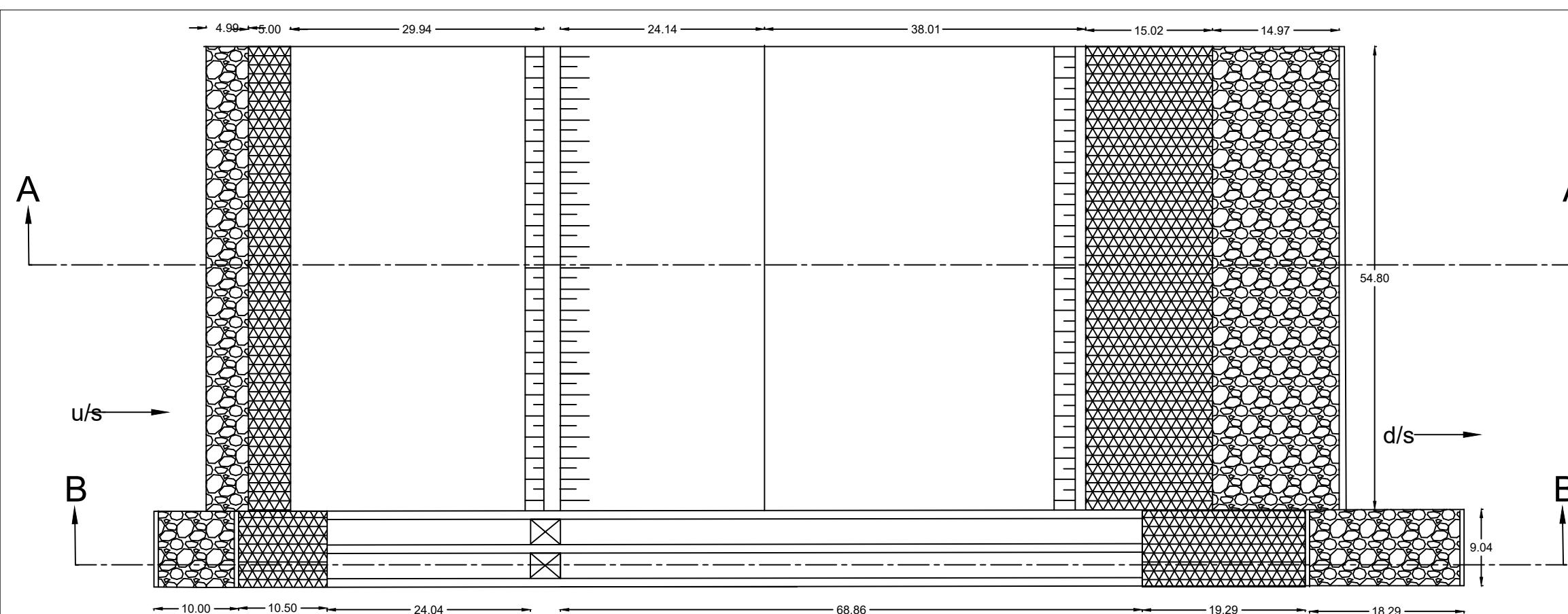
GROUP:- 09

SHEET NO.:- 1

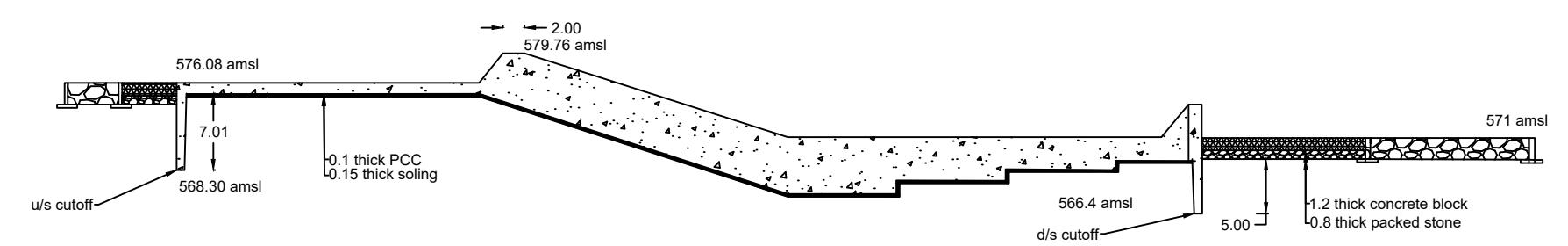
DATE: JUNE 5, 2025



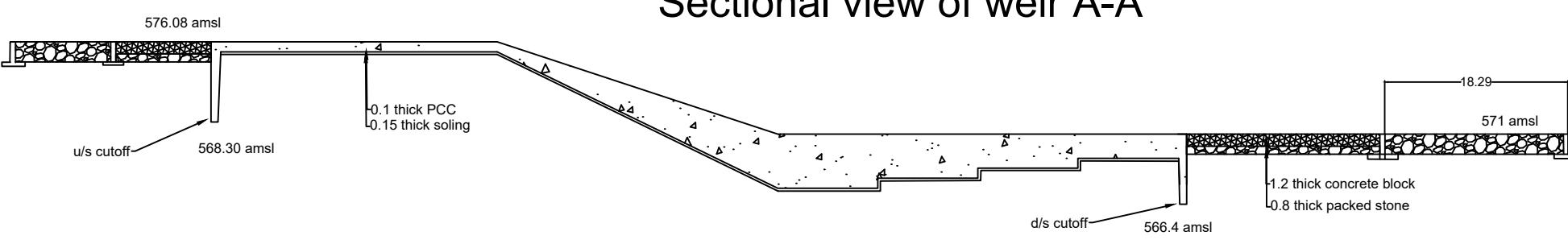
| LEGENDS | | |
|--|-------------|--------|
| S.N | Description | Symbol |
| 1 | Slope | |
| 2 | Gate | |
| PROJECT TITLE: | | |
| POTENTIAL STUDY OF SETI KHOLA HYDROELECTRIC PROJECT | | |
| GROUP MEMBER: | | |
| Sulav Adhikari (028042-20) Ayush Malla (028063-20) Anupa Mandal (028064-20) Sital Neupane (028068-20) Dharamveer Yadav (028097-20) | | |
| PROJECT SUPERVISOR: | | |
| DR. UMESH JUNG THAPA DEPARTMENT OF CIVIL ENGINEERING KATHMANDU UNIVERSITY | | |
| DRAWING TITLE | | |
| WEIR AND UNDERSLUICE | | |
| All dimensions are in meter unless otherwise specified. | | |
| SCALE : 1:150 | | |
| | | |
| GROUP:- 09 | | |
| SHEET NO.: - 2 | | |
| DATE: JUNE 5, 2025 | | |



Plan of Weir and Undersluice

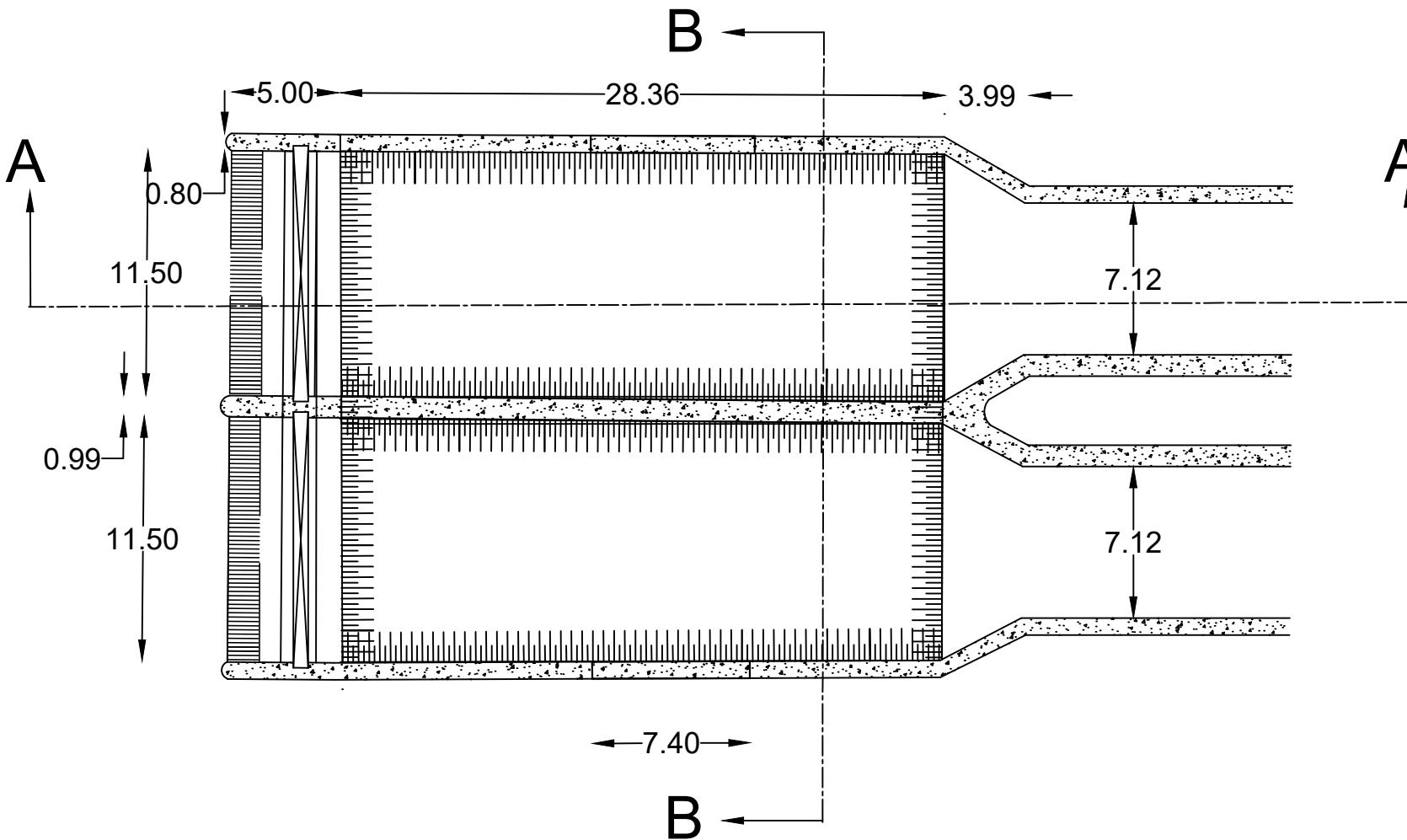


Sectional view of weir A-A

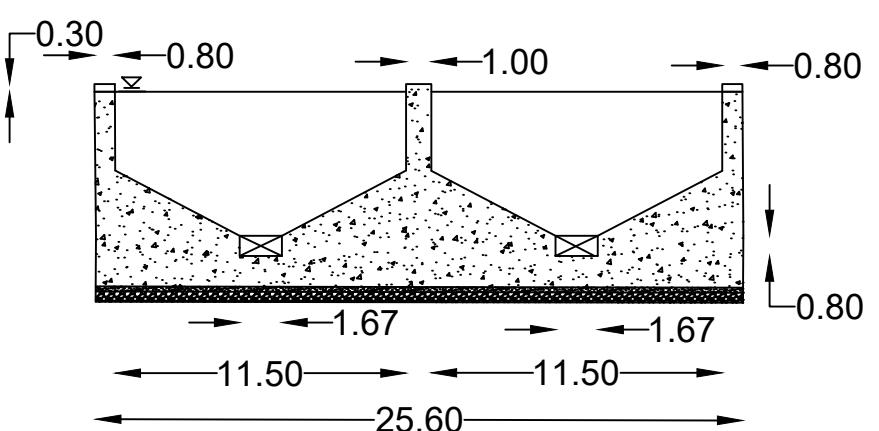


Sectional view of Undersluice B-B

| LEGENDS | | |
|--|-------------|--------|
| S.N | Description | Symbol |
| 1 | Slope | |
| 2 | Gate | |
| PROJECT TITLE: | | |
| POTENTIAL STUDY OF SETI KHOLA HYDROELECTRIC PROJECT | | |
| GROUP MEMBER: | | |
| Sulav Adhikari (028042-20) Ayush Malla (028063-20) Anupa Mandal (028064-20) Sital Neupane (028068-20) Dharamveer Yadav (028097-20) | | |
| PROJECT SUPERVISOR: | | |
| DR. UMESH JUNG THAPA DEPARTMENT OF CIVIL ENGINEERING KATHMANDU UNIVERSITY | | |
| DRAWING TITLE | | |
| Gravel Trap | | |
| All dimensions are in meter unless otherwise specified. | | |
| SCALE : 1:150 | | |
| | | |
| GROUP:- 09 | | |
| SHEET NO.: - 3 | | |
| DATE: JUNE 7, 2025 | | |

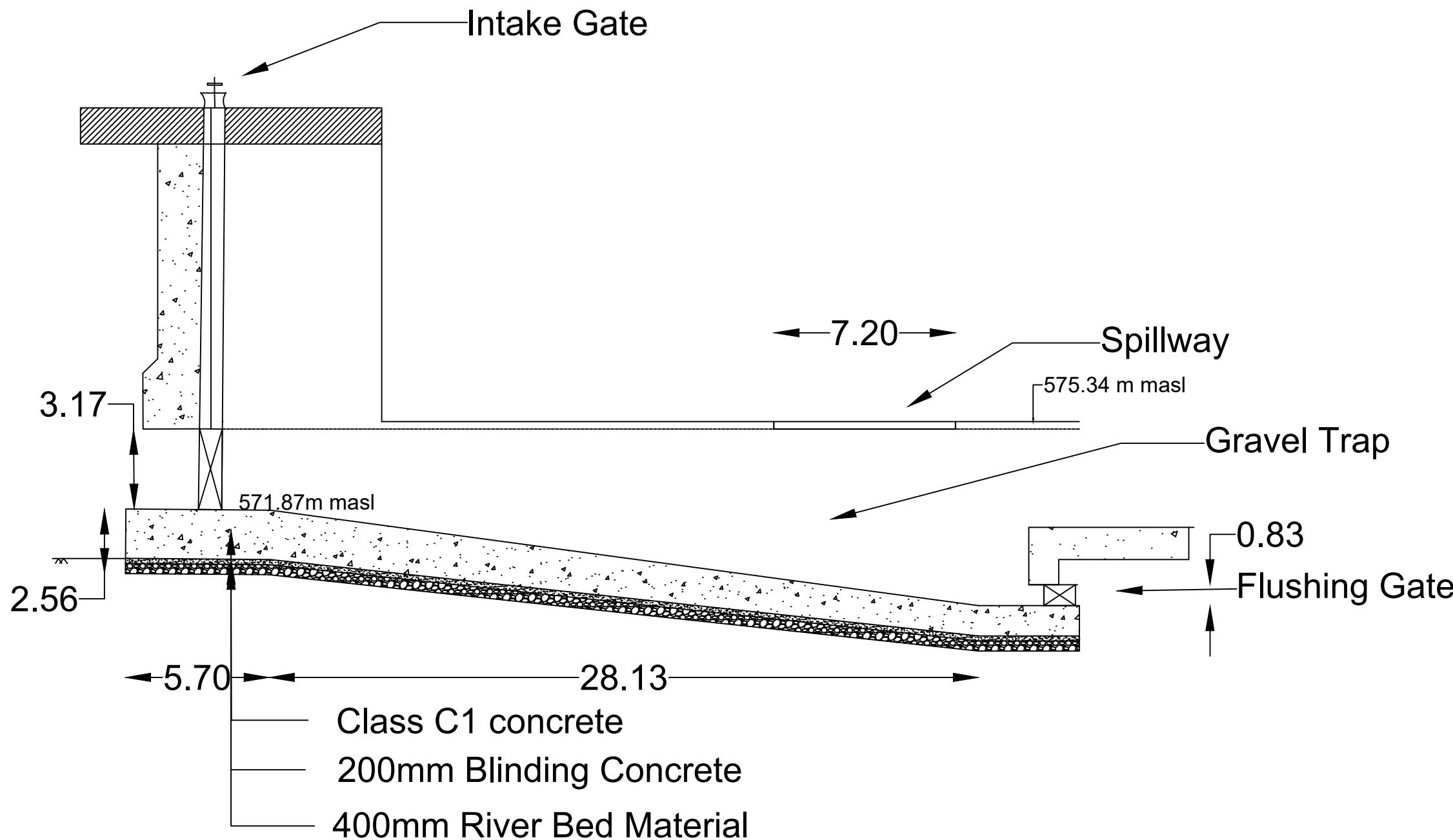


Plan of Gravel Trap

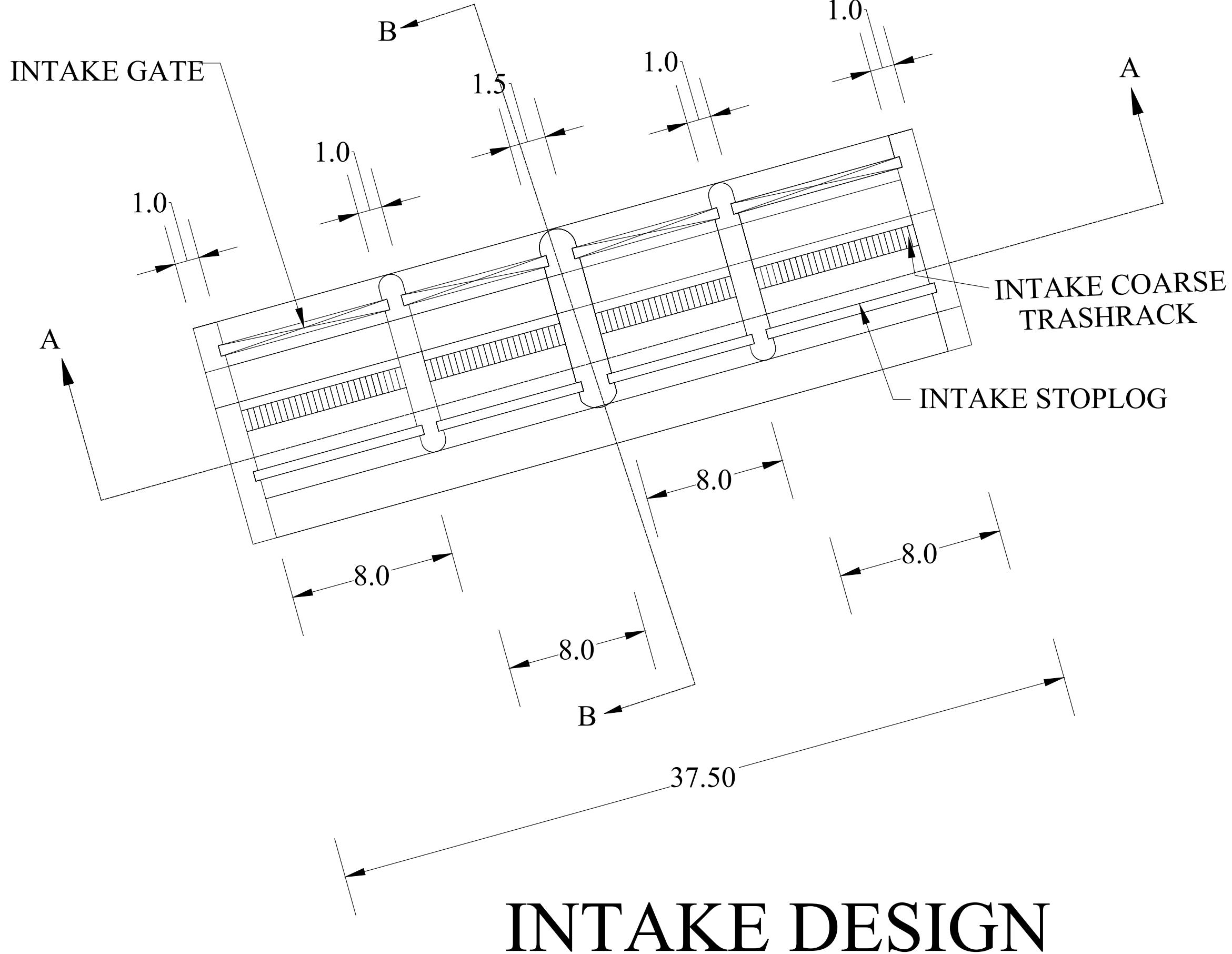


SECTION B-B

| LEGENDS | | |
|--|-------------|--------|
| S.N | Description | Symbol |
| 1 | Slope | |
| 2 | Gate | |
| PROJECT TITLE: | | |
| POTENTIAL STUDY OF SETI KHOLA HYDROELECTRIC PROJECT | | |
| GROUP MEMBER: | | |
| Sulav Adhikari (028042-20) Ayush Malla (028063-20) Anupa Mandal (028064-20) Sital Neupane (028068-20) Dharamveer Yadav (028097-20) | | |
| PROJECT SUPERVISOR: | | |
| DR. UMESH JUNG THAPA DEPARTMENT OF CIVIL ENGINEERING KATHMANDU UNIVERSITY | | |
| DRAWING TITLE | | |
| Gravel Trap | | |
| All dimensions are in meter unless otherwise specified. | | |
| SCALE : 1:150 | | |
| | | |
| GROUP:- 09 | | |
| SHEET NO.:- 4 | | |
| DATE: JUNE 7, 2025 | | |



SECTION A-A

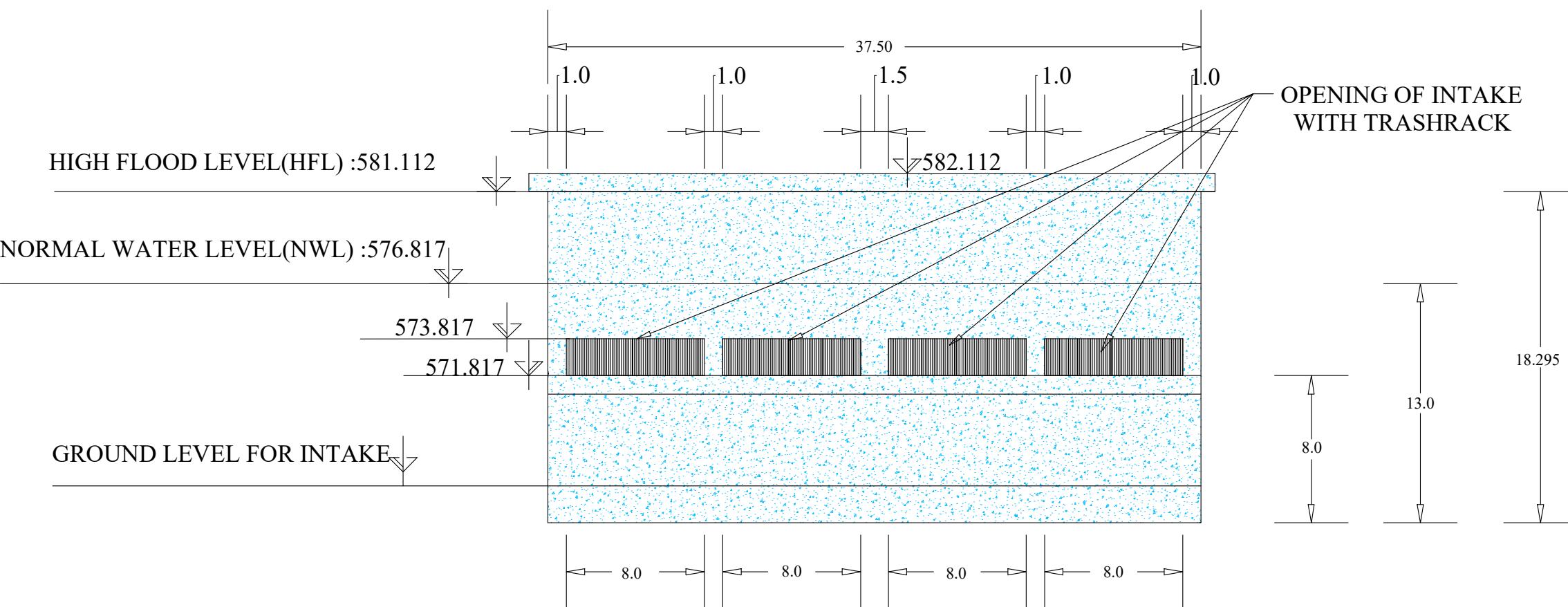


| LEGENDS | | |
|---|-------------------|--------|
| SN | DESCRIPTION | SYMBOL |
| 1 | TRASH RACK | |
| 2 | GATE | |
| 3 | STOPLOG | |
| 4 | SECTION AREA LINE | |
| TITLE: POTENTIAL STUDY OF SETI KHOLA HYDROPOWER | | |
| DETAIL OF DRAWING: PLAN OF INTAKE | | |
| PREPARED BY: SULAV ADHIKARI (REG. NO. 028042-20) AYUSH MALLA (REG. NO. 028063-20) ANUPA MANDAL (REG. NO. 028064-20) SITAL NEUPANE (REG. NO. 028068-20) DHARAMBIR YADAV (REG. NO. 028097-20) | | |
| SUPERVISOR: DR. UMESH JUNG THAPA LECTURER, KATHMANDU UNIVERSITY DEPARTMENT OF CIVIL ENGINEERING | | |
| Date of submission: June ,2025 | | |
| SCALE: 1:200 | | |
| KATHMANDU UNIVERSITY | | |
| SCALE | 1:200 | |
| GROUP | 9 | |
| SHEET NO: | 5 | |
| CHECKED BY: | | |
| ALL DIMENSION ARE IN METER UNTIL SPECIFIED | | |



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|---------------|--------|
| 1 | TRASH RACK | |
| 2 | GATE | |
| 3 | SLOPE | |
| 4 | WATER PROFILE | |



CROSS-SECTION OF INTAKE AT SECTION A-A

TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

DETAIL OF DRAWING:
CROSS SECTION OF INTAKE SECTION A-A

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date of submission: June ,2025

SCALE: 1:300

| | | | |
|---|----|-----|-----|
| 0 | 6m | 12m | 18m |
|---|----|-----|-----|

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| SCALE | 1:300 |
| GROUP | 9 |
| SHEET NO: | 6 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|-------------|--------|
| 1 | TRASH RACK | |
| 2 | GATE | |
| 3 | STOPLOG | |

TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

DETAIL OF DRAWING:
LONGITUDINAL-SECTION OF INTAKE AT
SECTION B-B

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

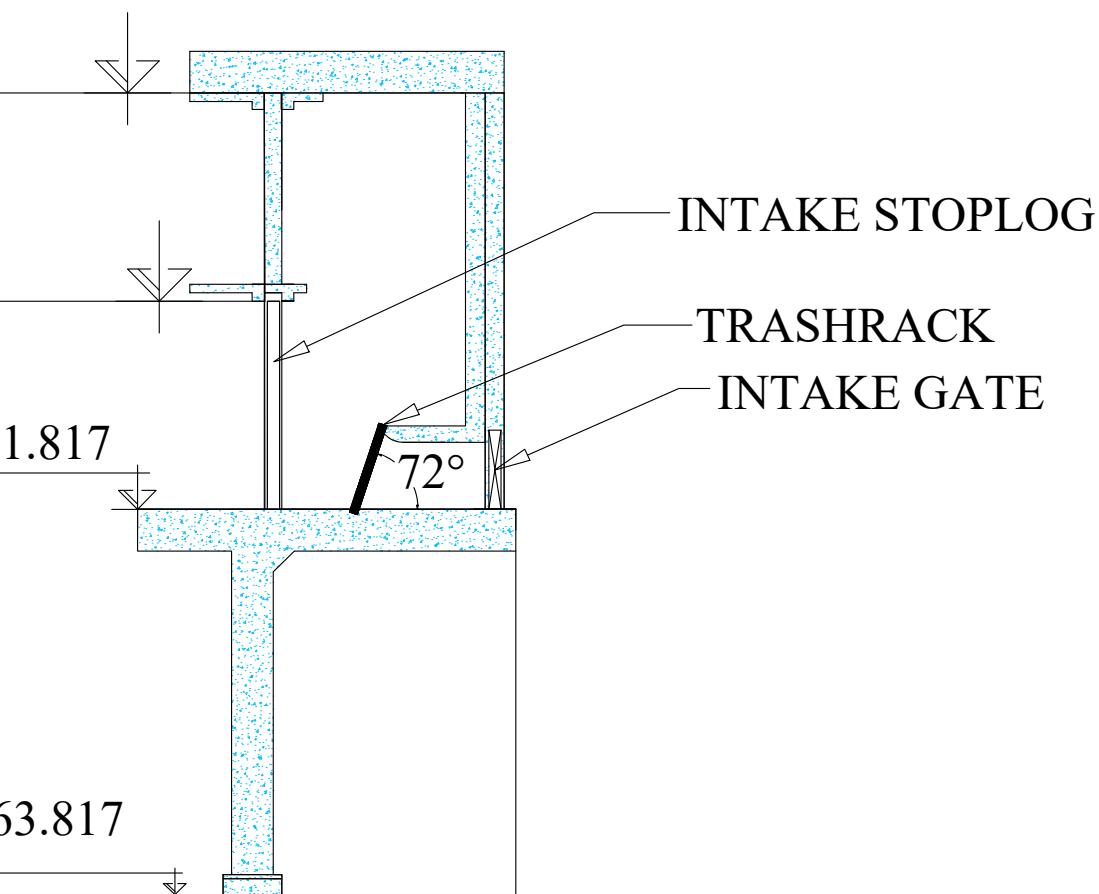
Date of submission: June ,2025



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| | |
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| SCALE | 1:400 |
| GROUP | 9 |
| SHEET NO: | 7 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED

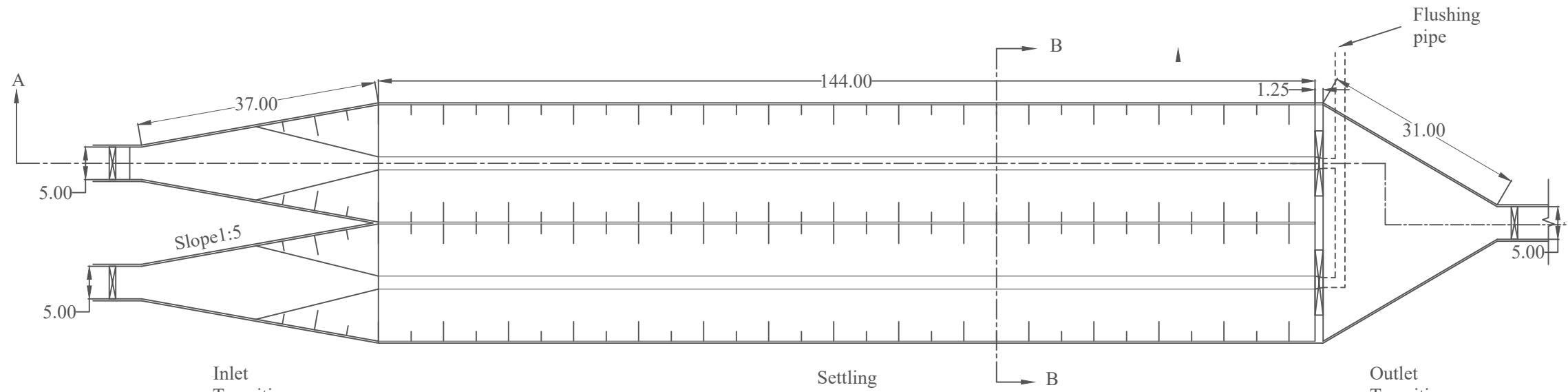


LONGITUDINAL-SECTION OF INTAKE AT SECTION B-B



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|--------------|--------|
| 1 | GATE | |
| 2 | SLOPE | |
| 3 | SECTION AREA | |



TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

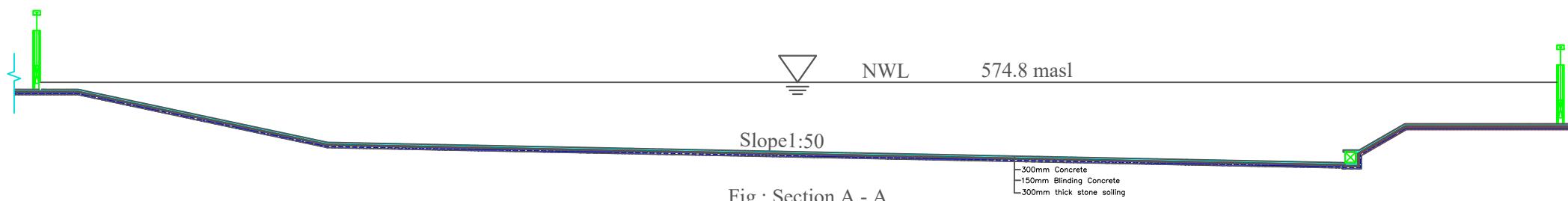
DETAIL OF DRAWING:
PLAN AND LONGITUDINAL SECTION OF
SETTLING BASIN

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date of submission: June ,2025

SCALE 1:800



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| | |
|-------------|-------|
| SCALE | 1:800 |
| GROUP | 9 |
| SHEET NO: | 8 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED

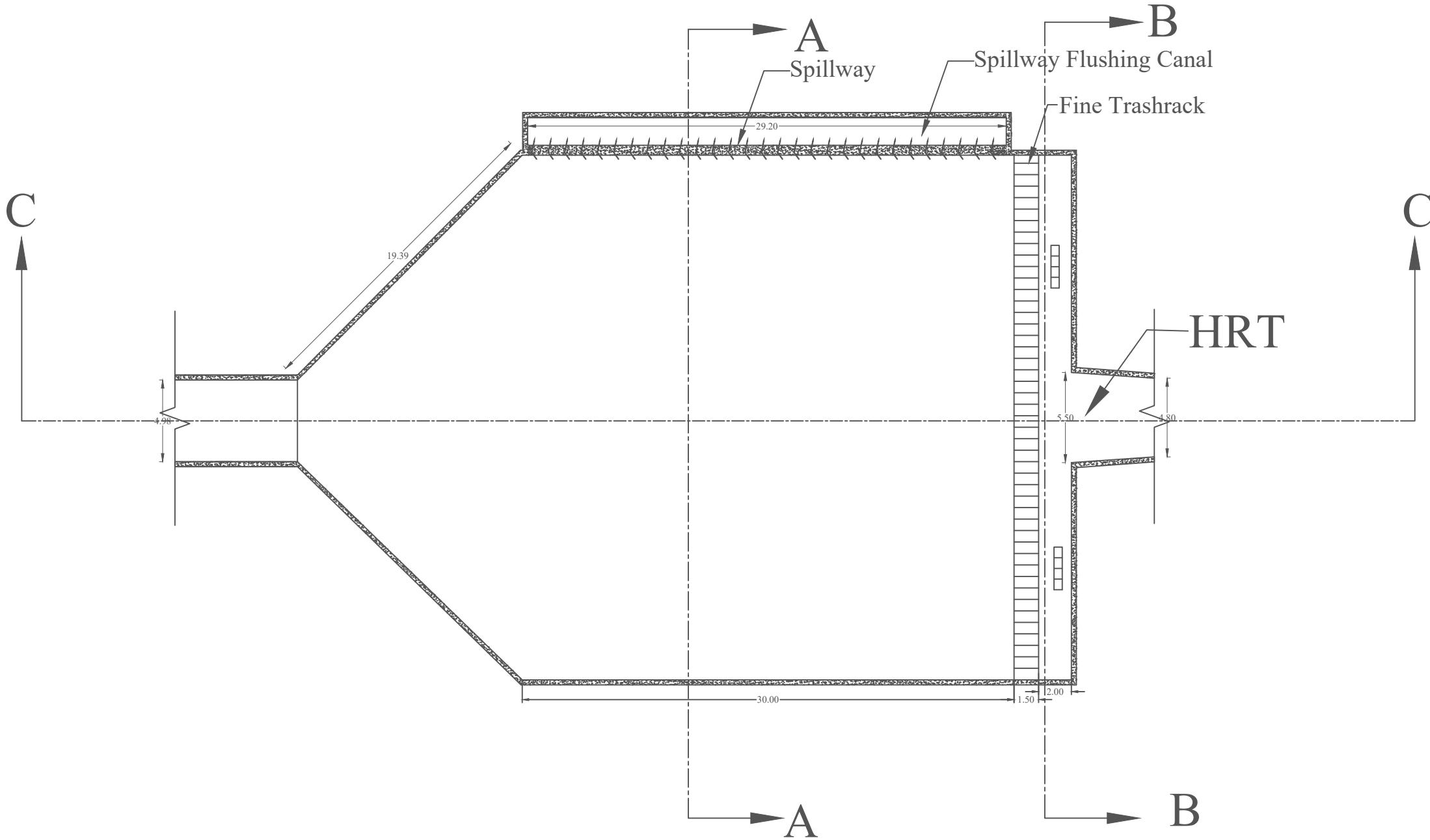


Fig.: Plan View of Head Pond

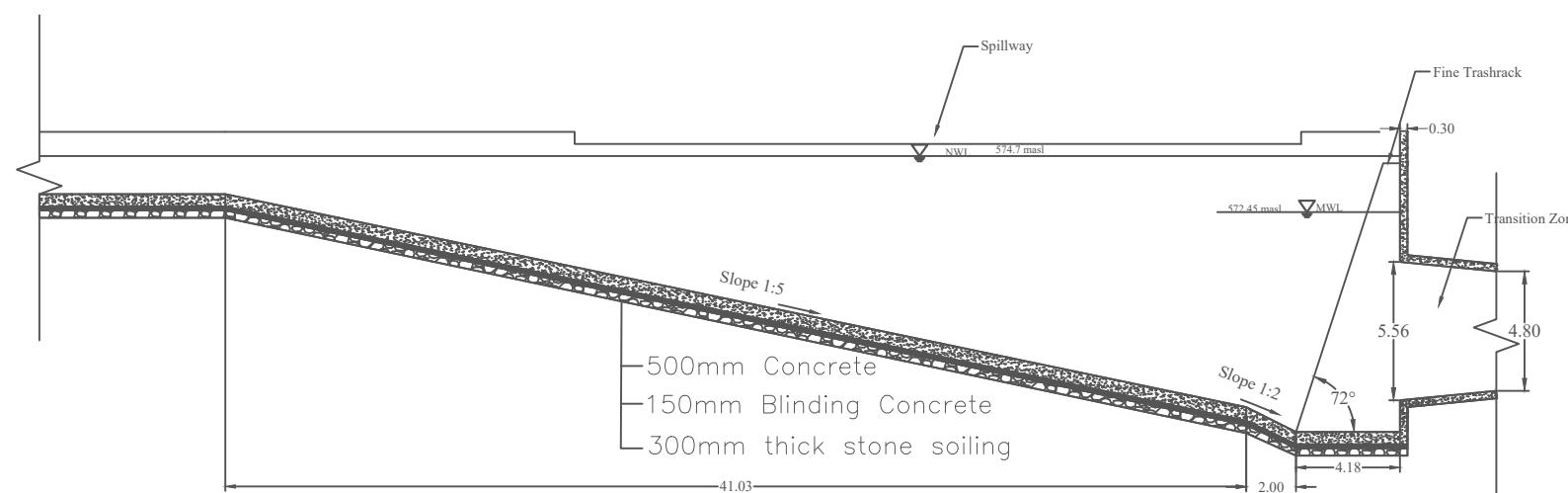


Fig.: Longitudinal Section Head Pond C-C



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|-------------|--------|
| 1 | TRASH RACK | |
| 2 | GRAVEL | |
| 4 | SLOPE | |
| 5 | FLUSHING | |

TITLE:
POTENTIAL STUDY OF SETI KHALA HYDROPOWER

DETAIL OF DRAWING:
PLAN AND LONGITUDINAL SECTION OF HEADPOND

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date of submission: June ,2025

SCALE : 1:300



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|-------------|-------|
| SCALE | 1:300 |
| GROUP | 9 |
| SHEET NO: | 9 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|---------------|--------|
| 1 | TRASH RACK | |
| 2 | GRAVEL | |
| 3 | SLOPE | |
| 4 | WATER PROFILE | |

TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

DETAIL OF DRAWING:
CROSS SECTION OF HEADPOND

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

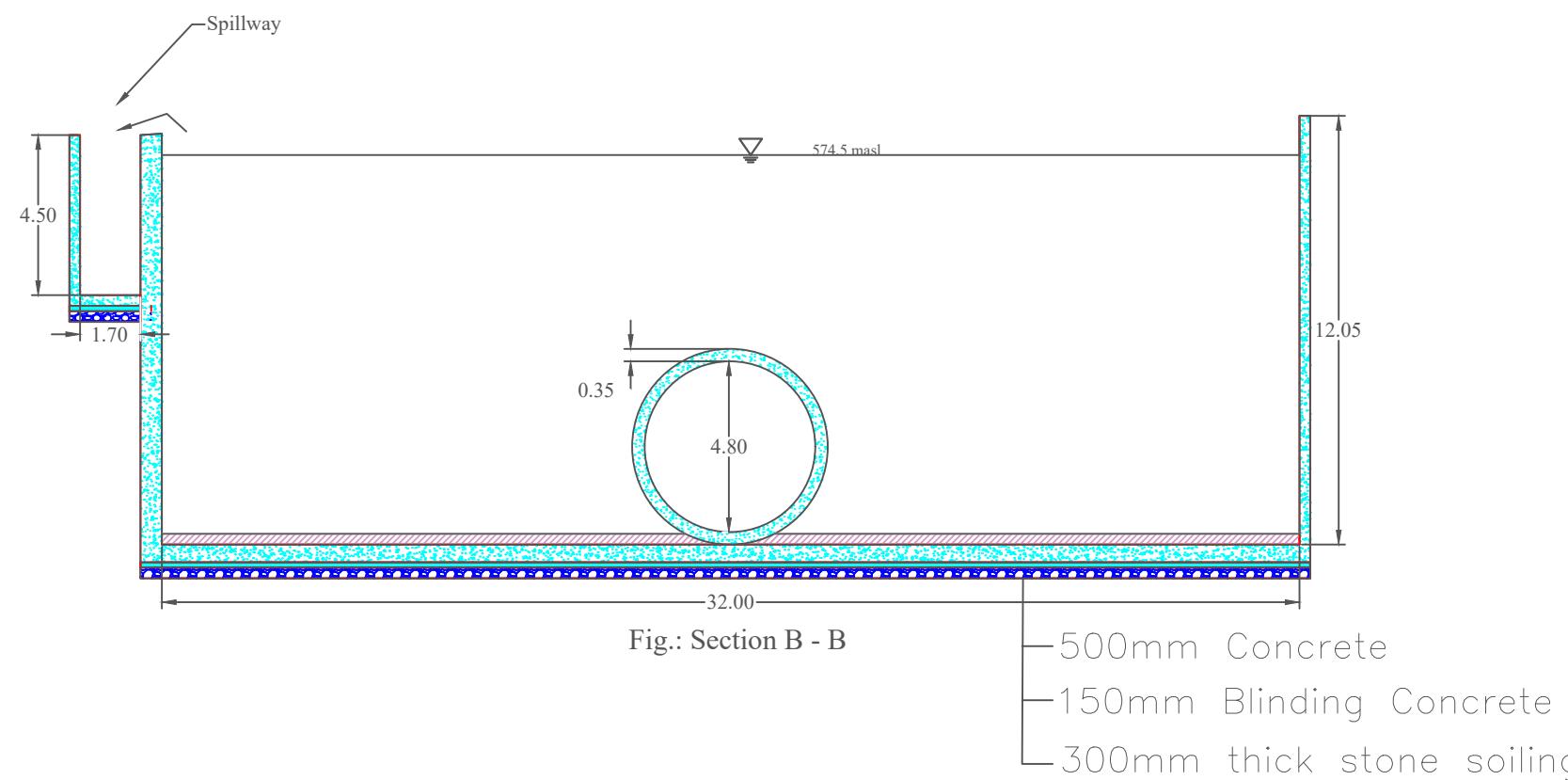
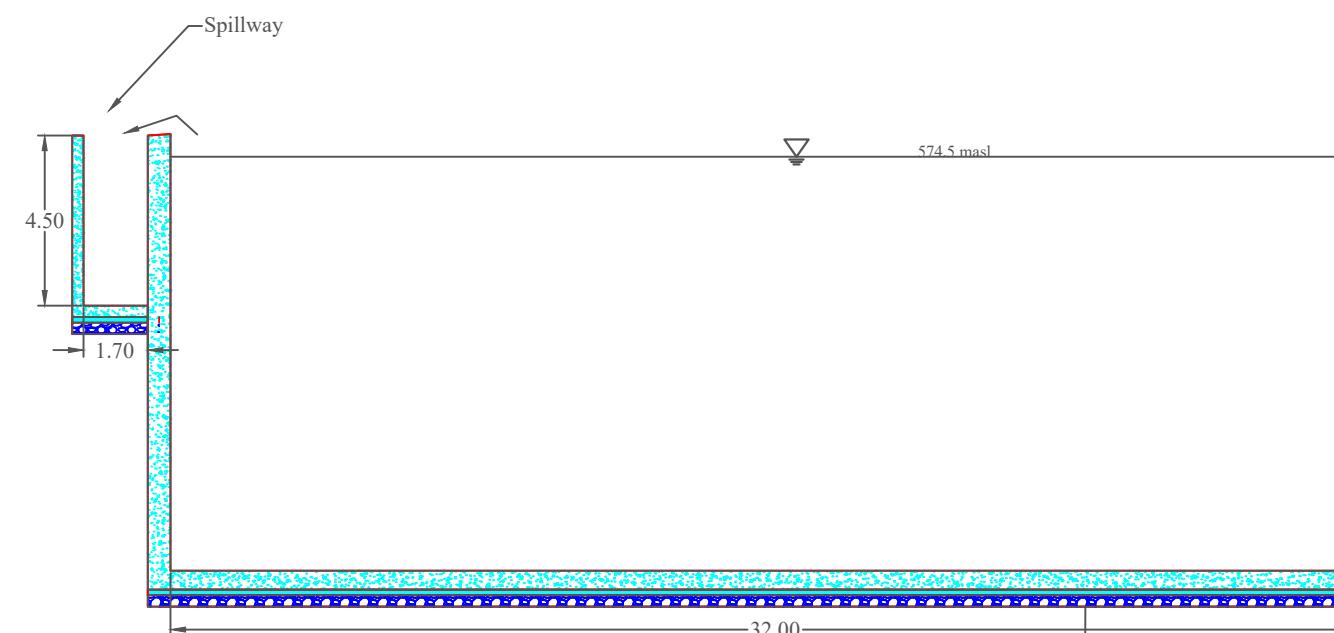
Date of submission: June, 2025

SCALE: 1:200

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| | |
|-------------|-------|
| SCALE | 1:200 |
| GROUP | 9 |
| SHEET NO: | 10 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED



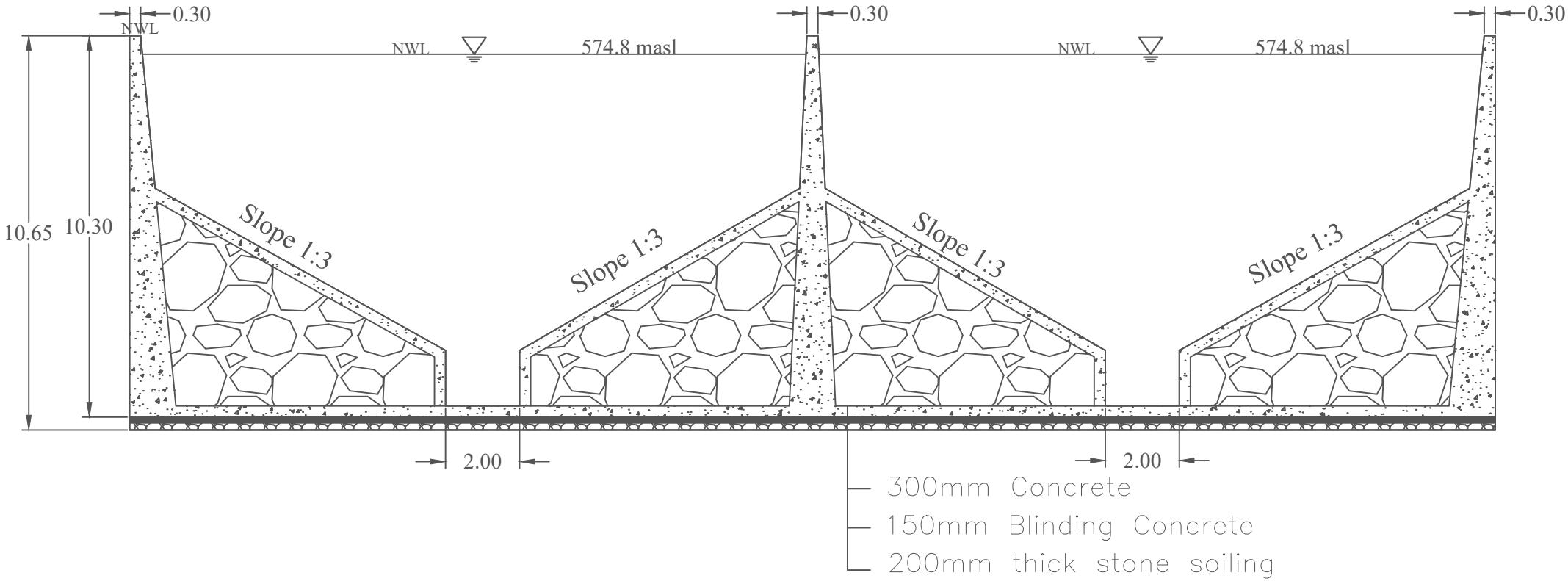
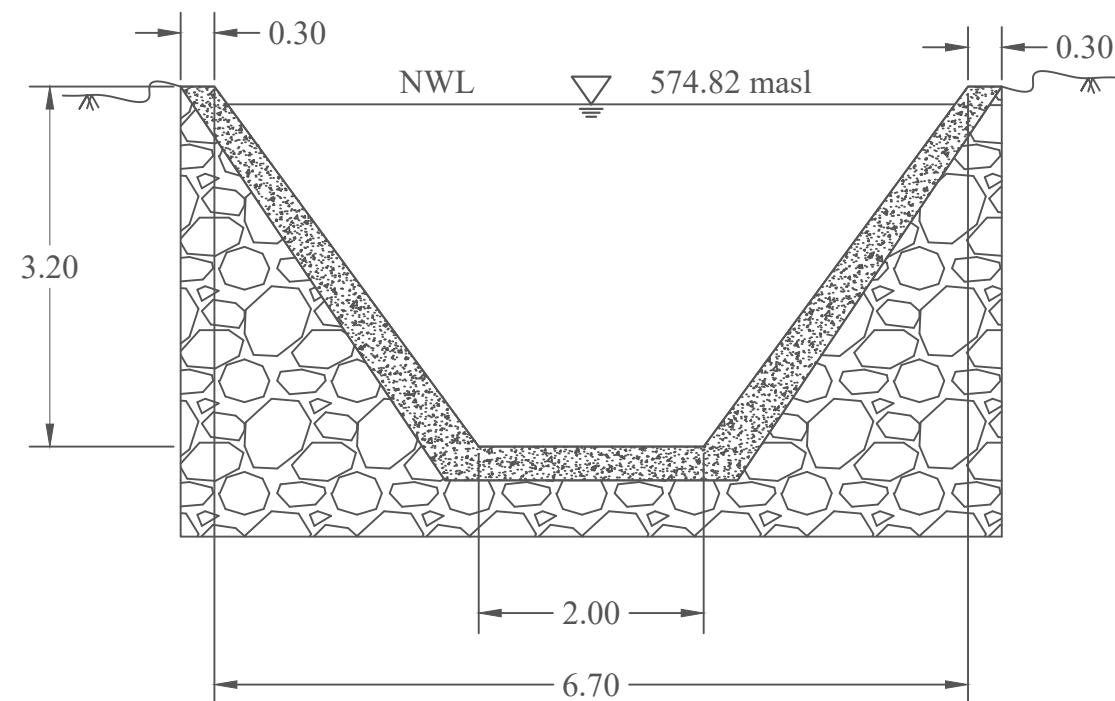


Fig: Section B - B



Sectional View of Approach Canal



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|--------------|--------|
| 1 | GATE | |
| 2 | SLOPE | |
| 3 | SECTION AREA | |

TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

DETAIL OF DRAWING:
SECTIONAL VIEW OF SETTLING BASIN
AND APPROACH CANAL

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date of submission: June ,2025

SCALE 1:150

KATHMANDU UNIVERSITY

| | |
|-------------|-------|
| SCALE | 1:150 |
| GROUP | 9 |
| SHEET NO: | 11 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|---------------|--------|
| 1 | BACKFILL | |
| 2 | HEADRACE PIPE | |
| 3 | TRUSS | |

TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

DETAIL OF DRAWING:
SECTION OF SURGE TANK

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

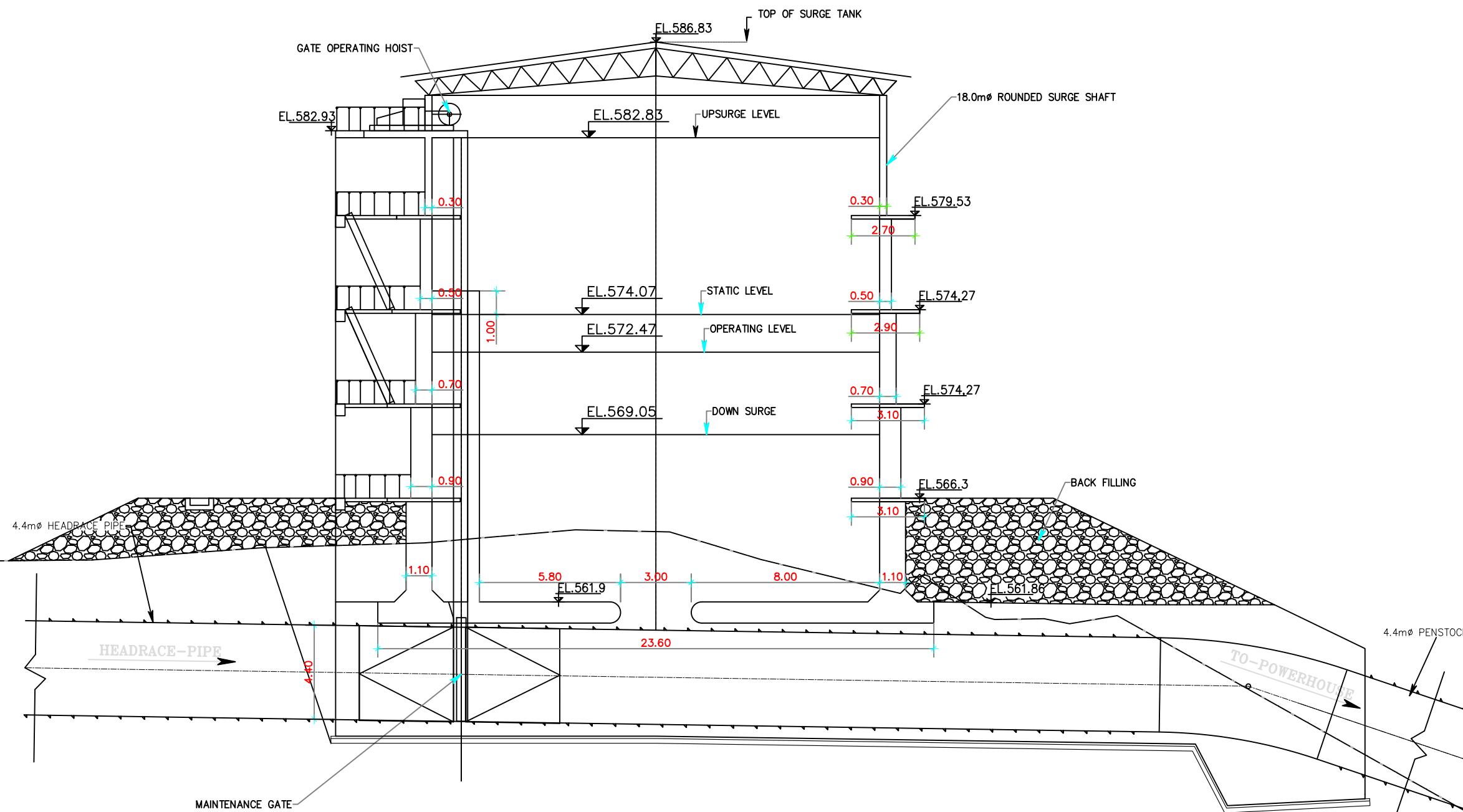
Date of submission: June ,2025

SCALE 1:200

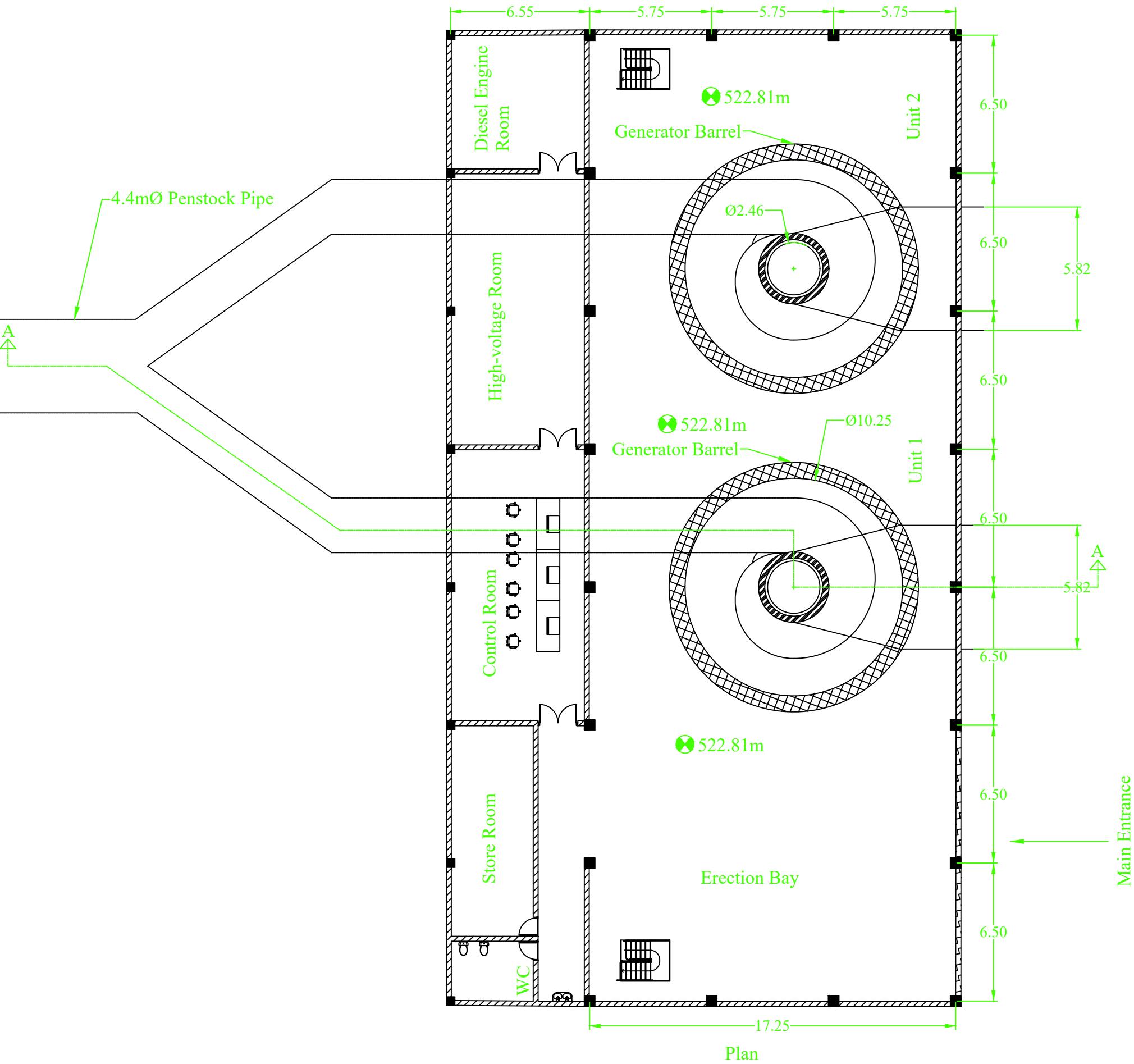
KATHMANDU UNIVERSITY

| | |
|-------------|-------|
| SCALE | 1:200 |
| GROUP | 9 |
| SHEET NO: | 12 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED



SECTION OF THE SURGE TANK



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|---------------|--------|
| 1 | SLOPE | |
| 2 | GATE | |
| 3 | PENSTOCK PIPE | |

TITLE:
POTENTIAL STUDY OF SETI KHALA HYDROPOWER

DETAIL OF DRAWING:
PLAN OF POWERHOUSE

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date of submission: June ,2025

SCALE 1:200

KATHMANDU UNIVERSITY

| | |
|-------------|-------|
| SCALE | 1:200 |
| GROUP | 9 |
| SHEET NO: | 13 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED



LEGENDS

| SN | DESCRIPTION | SYMBOL |
|----|-------------|--------|
| 1 | SLOPE | |
| 2 | GATE | |
| 3 | ROOF TRUSS | |

TITLE:
POTENTIAL STUDY OF SETI KHOLA
HYDROPOWER

DETAIL OF DRAWING:
SECTION A-A OF POWERHOUSE

PREPARED BY:
SULAV ADHIKARI (REG. NO. 028042-20)
AYUSH MALLA (REG. NO. 028063-20)
ANUPA MANDAL (REG. NO. 028064-20)
SITAL NEUPANE (REG. NO. 028068-20)
DHARAMBIR YADAV (REG. NO. 028097-20)

SUPERVISOR:
DR. UMESH JUNG THAPA
LECTURER, KATHMANDU UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date of submission: June ,2025

SCALE 1:150

KATHMANDU UNIVERSITY

| | |
|-------------|-------|
| SCALE | 1:150 |
| GROUP | 9 |
| SHEET NO: | 14 |
| CHECKED BY: | |

ALL DIMENSION ARE IN METER UNTIL SPECIFIED

