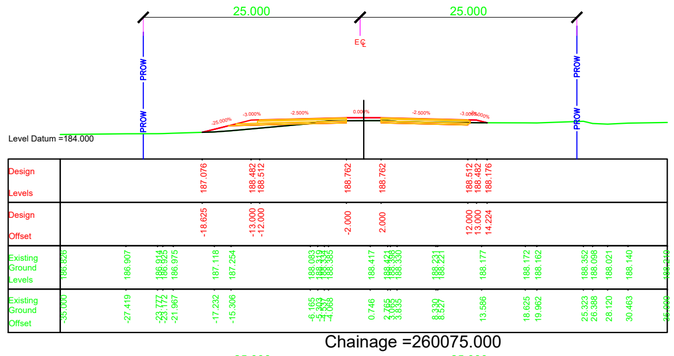


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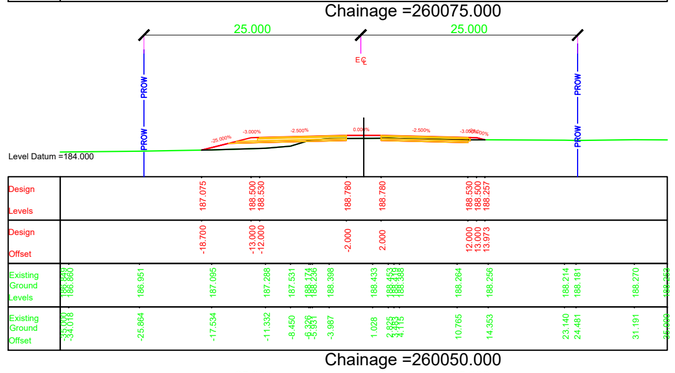


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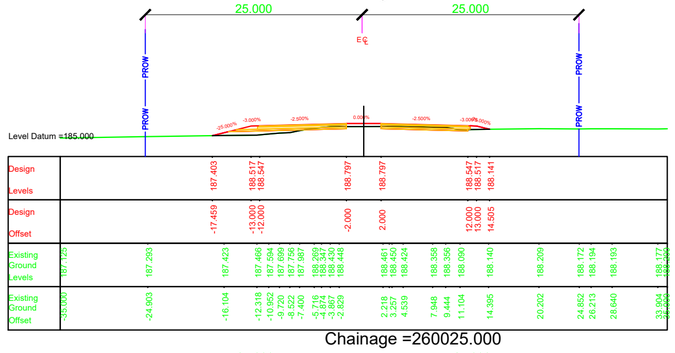


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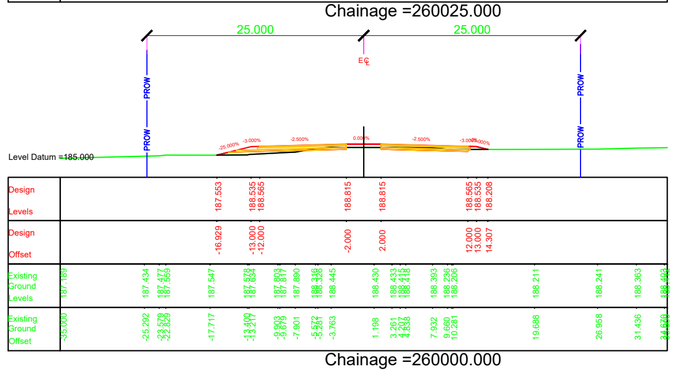


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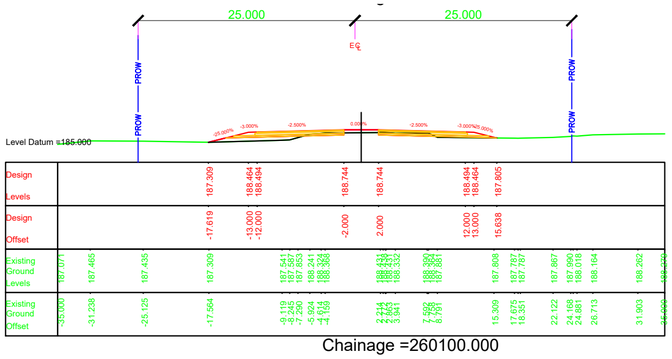
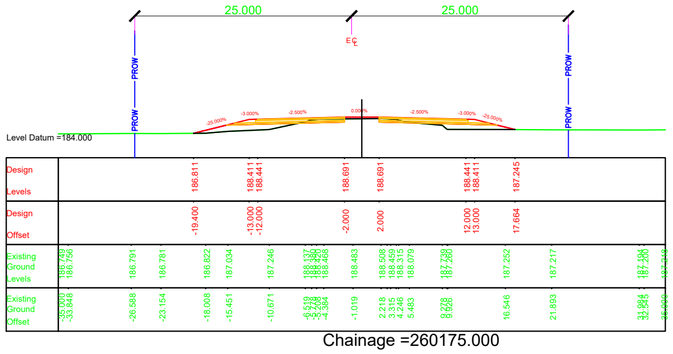



Chainage =260100.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 260+000 to Km 260+100<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 74 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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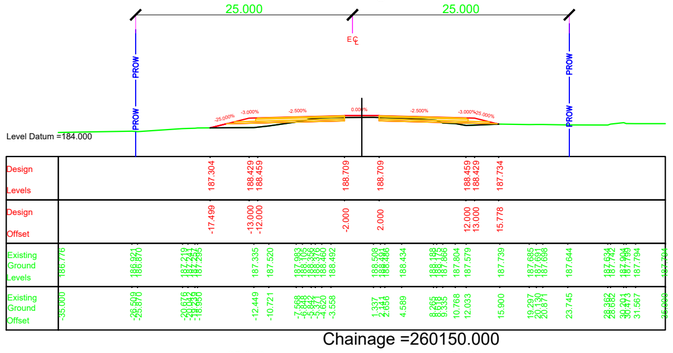


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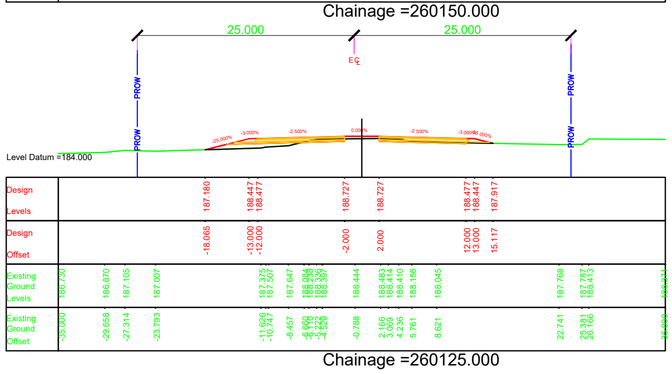


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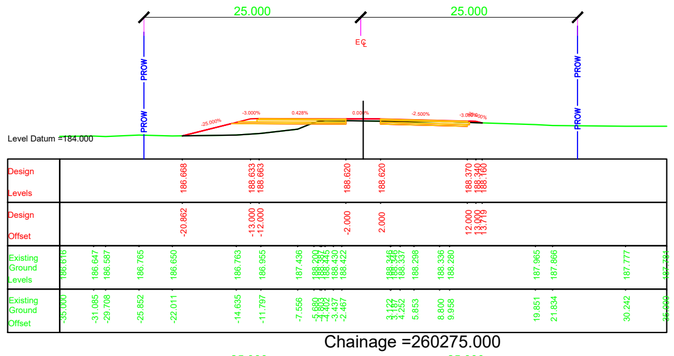


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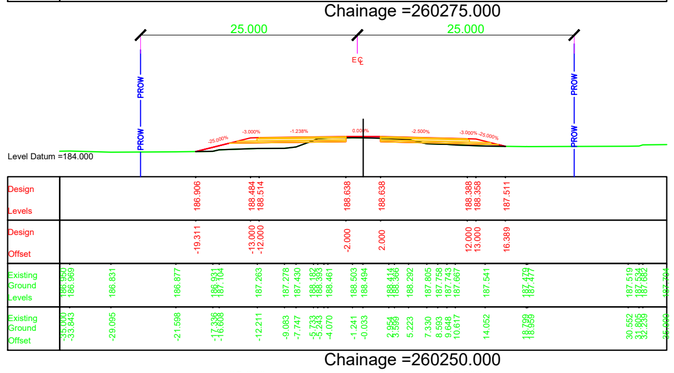


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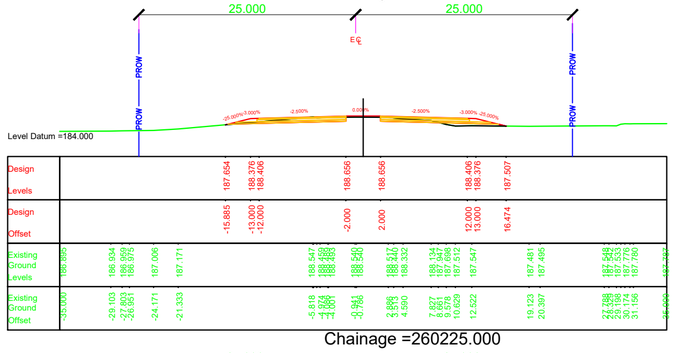


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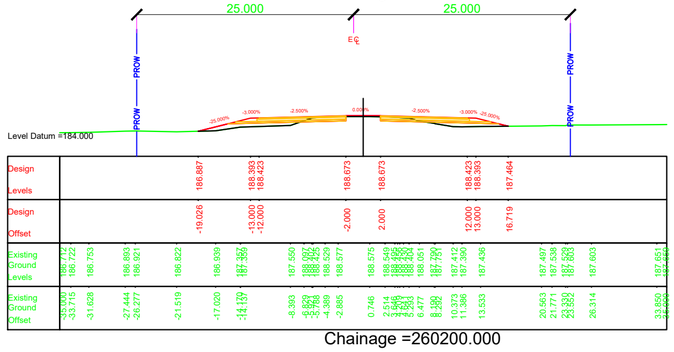



Chainage =260200.000

NOTES:

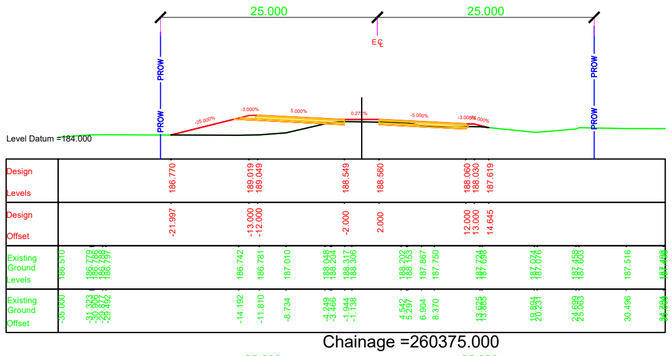
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 260+125 to Km 260+275 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 74A

Sheet No.

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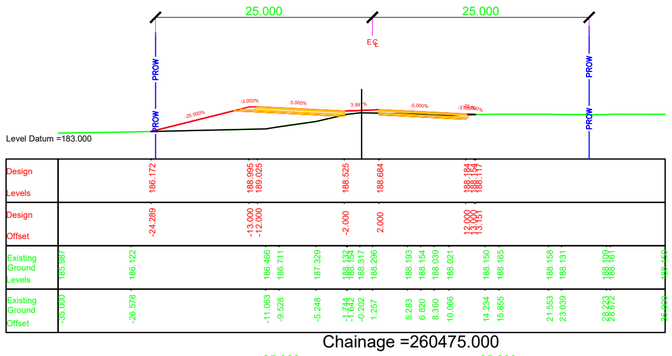


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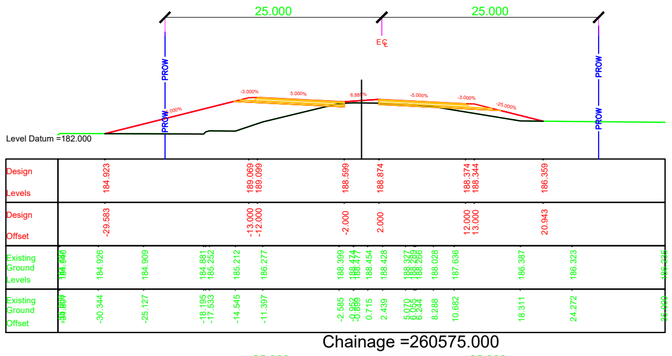


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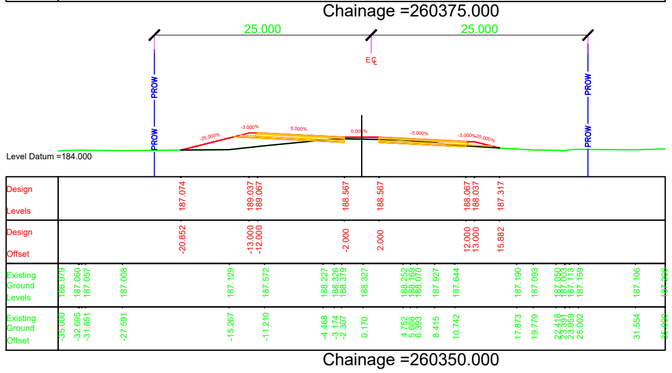


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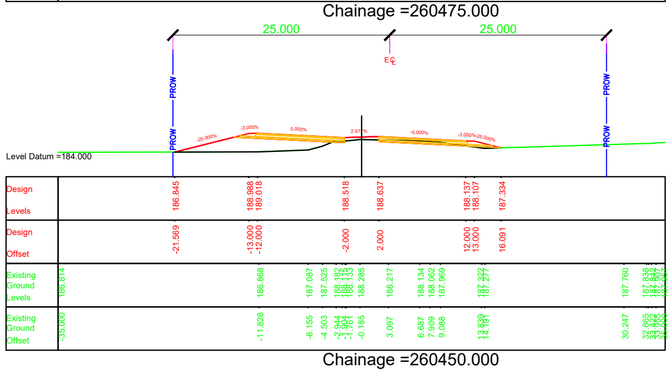


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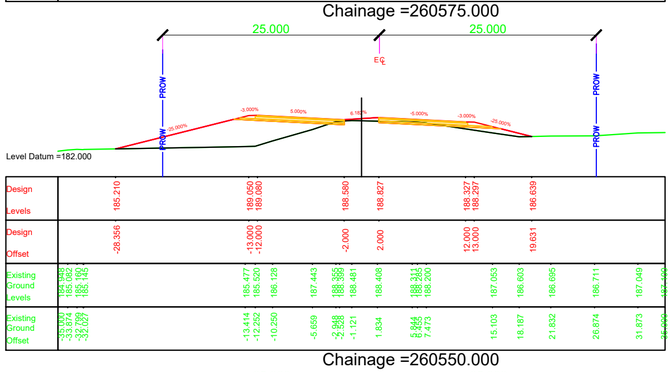


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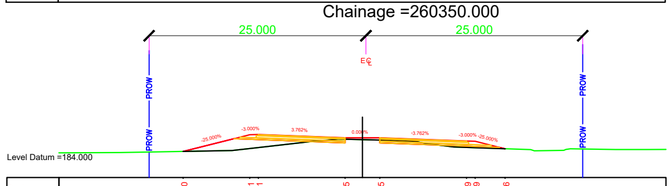


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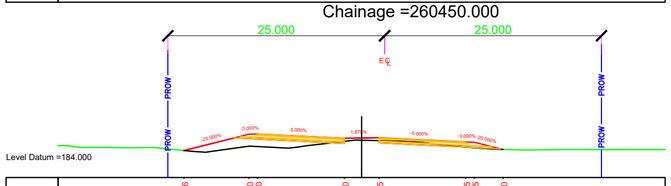


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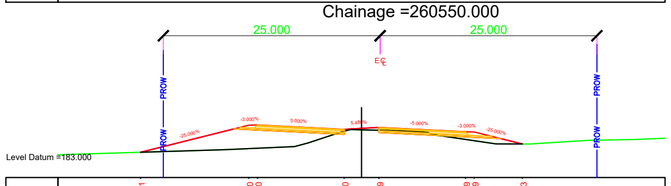


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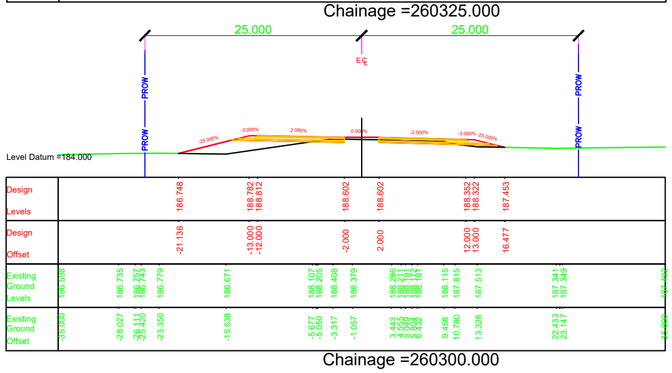


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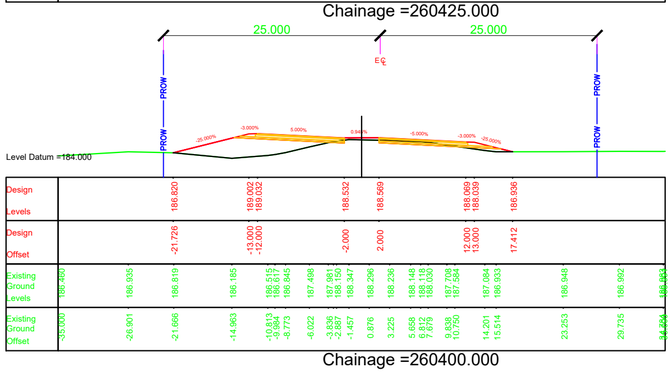


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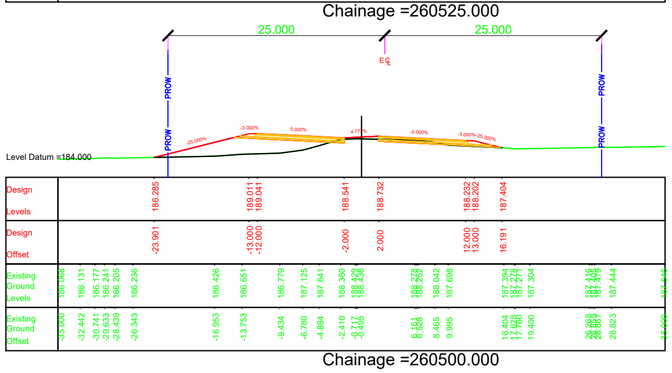



Chainage =260500.000

NOTES:

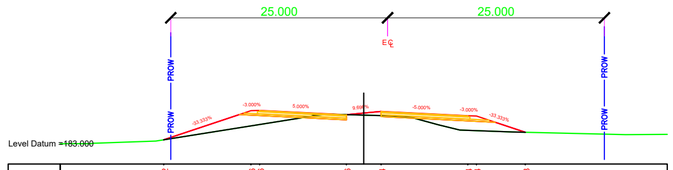
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 260+300 to Km 260+575 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

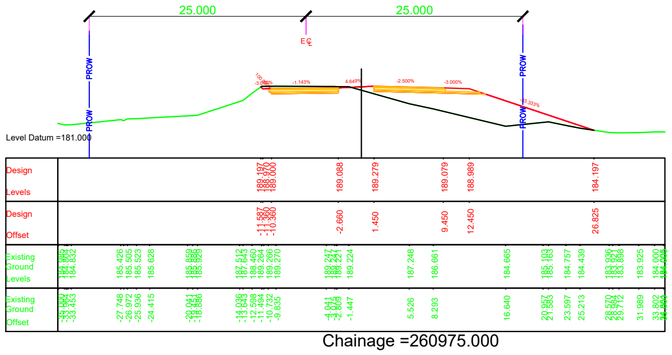
Drawing No. KDP/DDR/HIGHWAY/RCS- 75

Sheet No.


25.000
25.000
PROW
PROW
PROW
Level Datum =183.000

| | | |

# BRIDGE LOCATION

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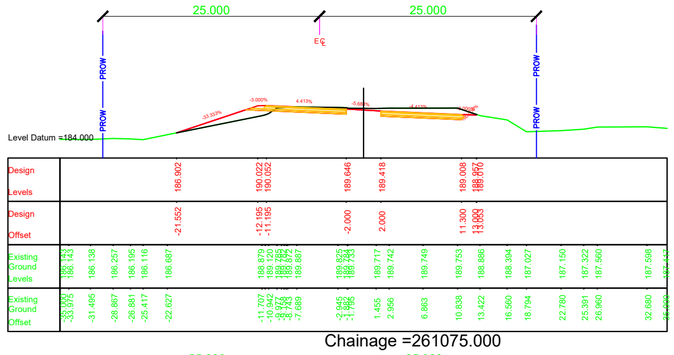


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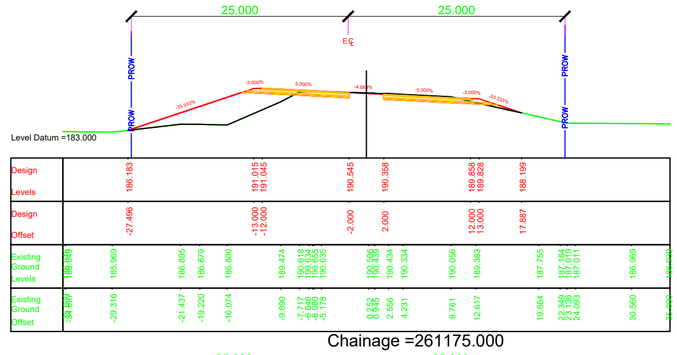


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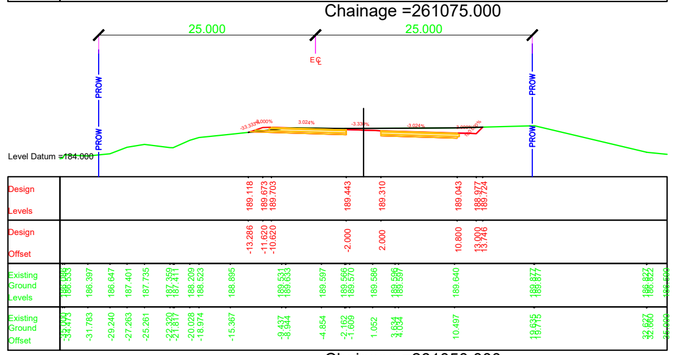
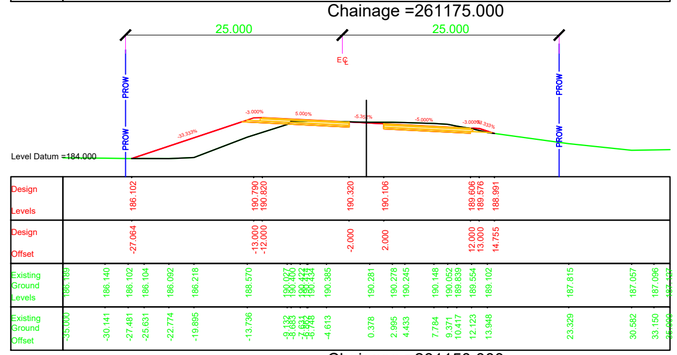



Chainage =261050.000

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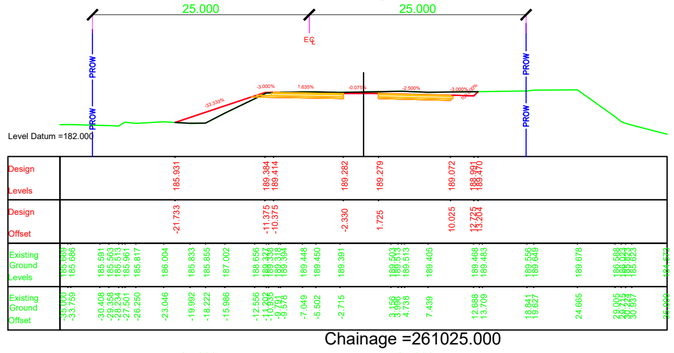


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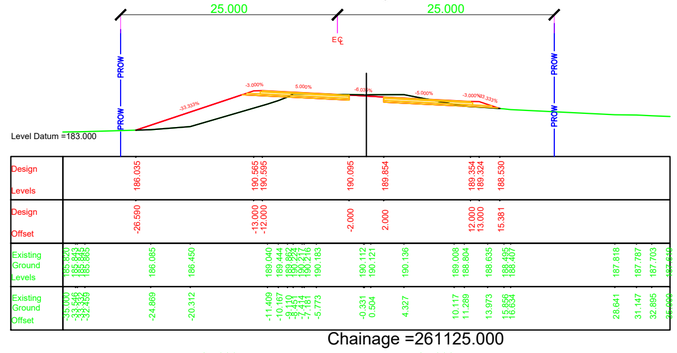


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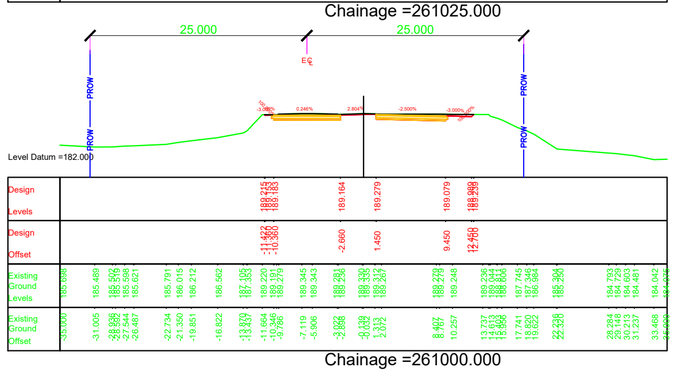


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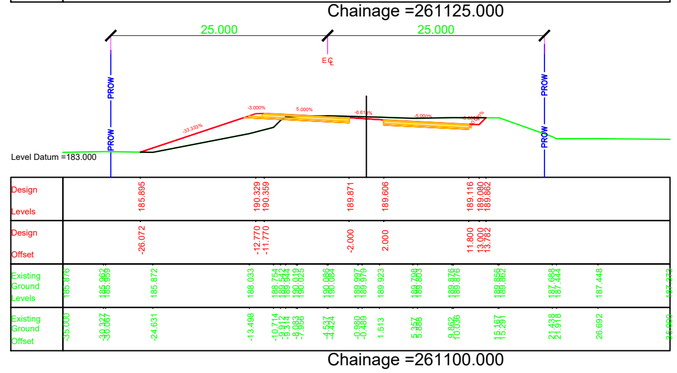
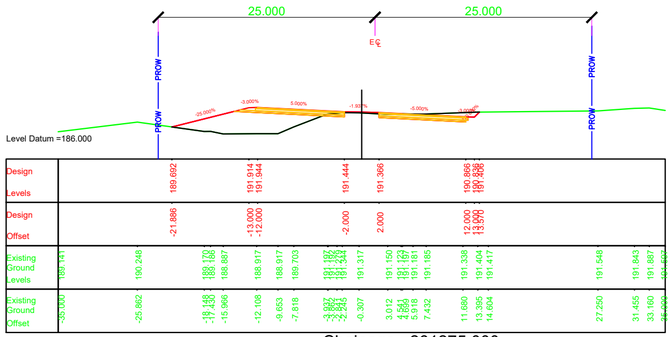



Chainage =261100.000

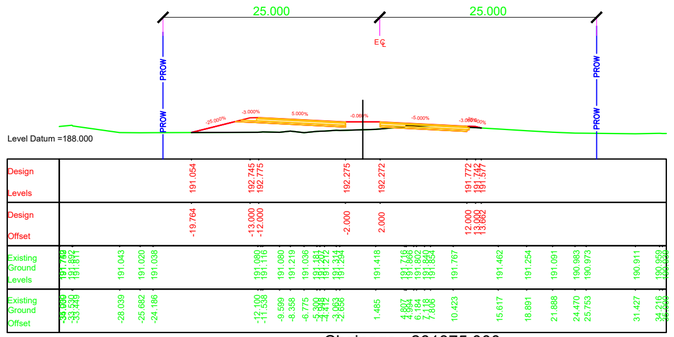
NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 260+900 to Km 261+175<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 77 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |




Chainage =261275.000

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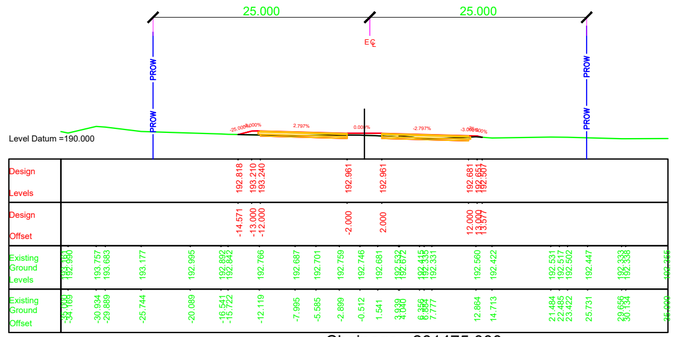


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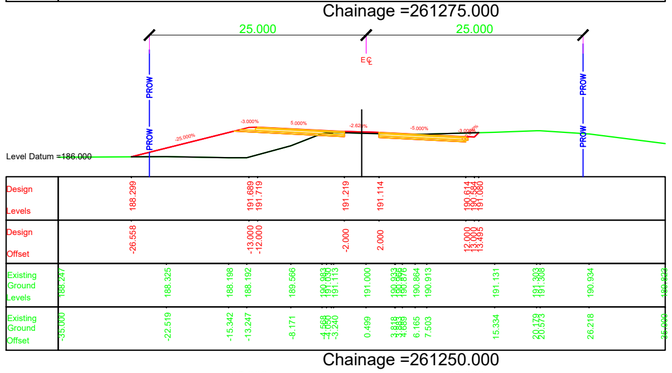


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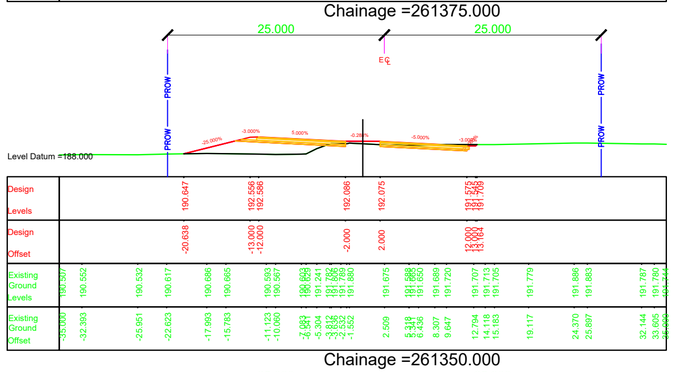


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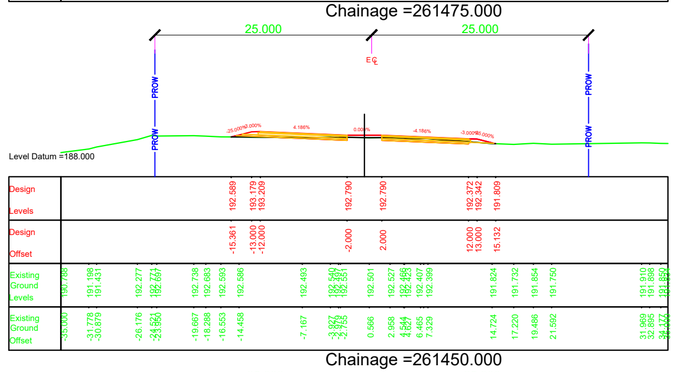


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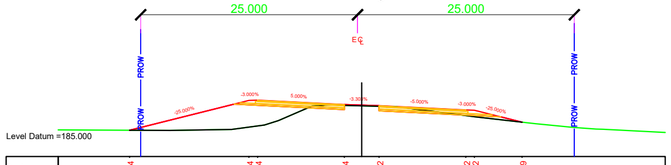


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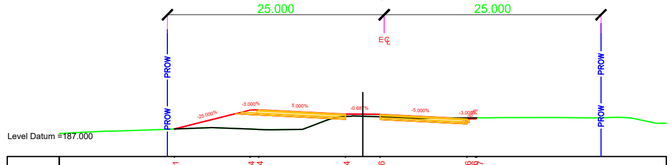


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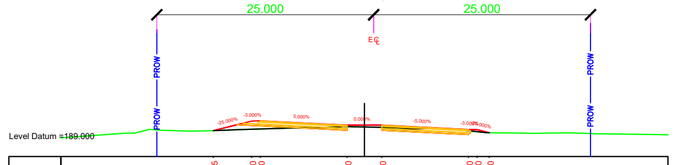


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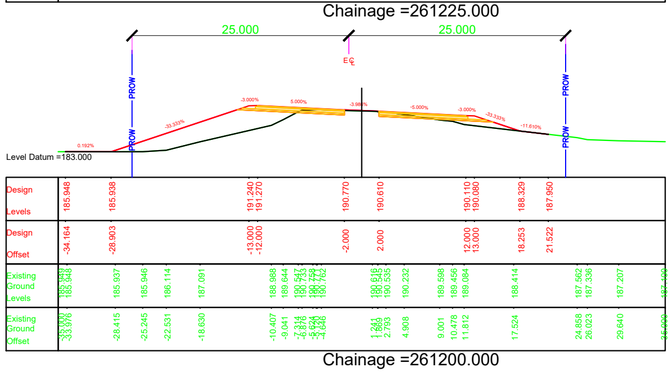


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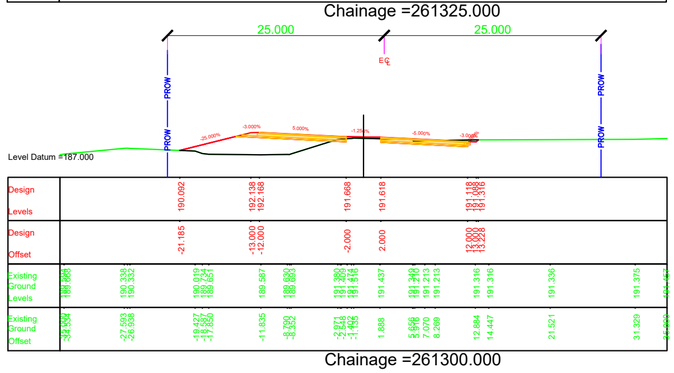


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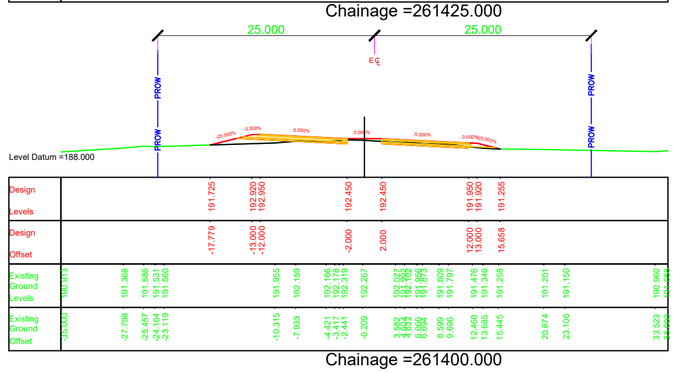
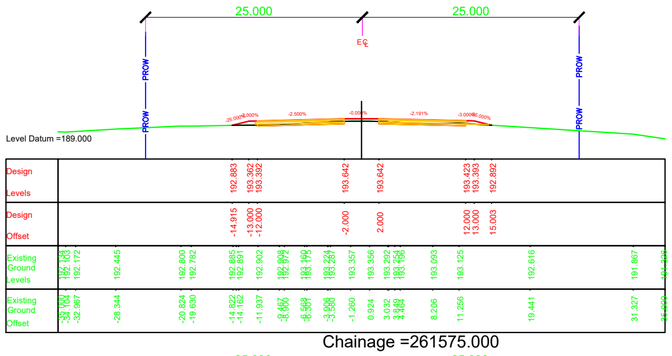



Chainage =261400.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 261+200 to Km 261+475 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 78<br>Sheet No. |

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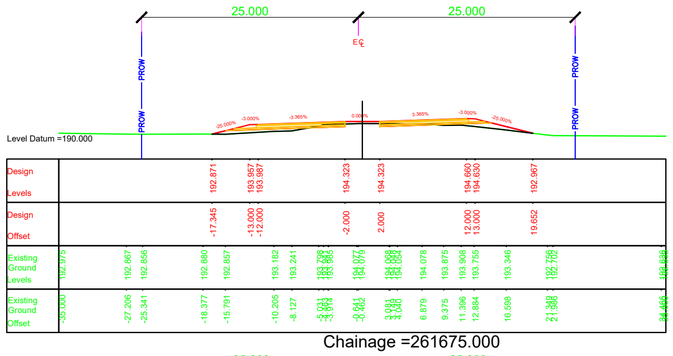


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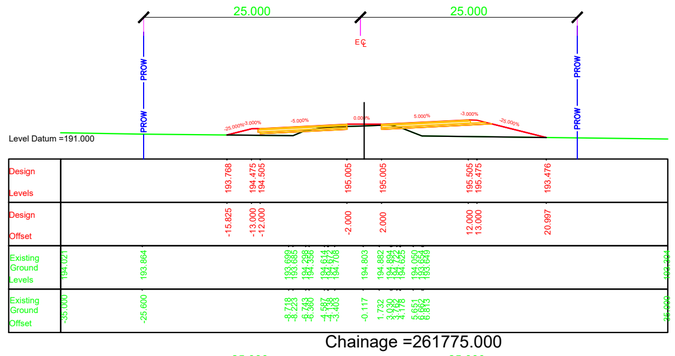


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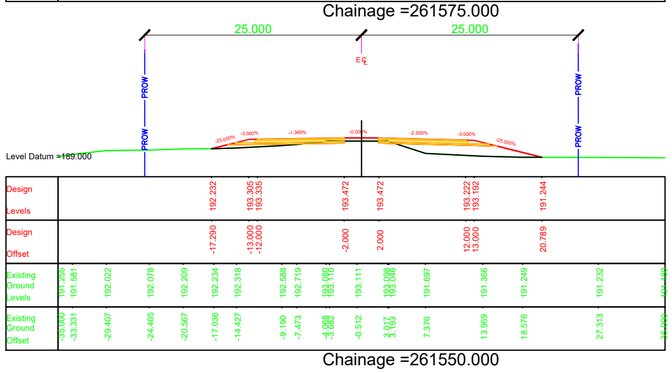


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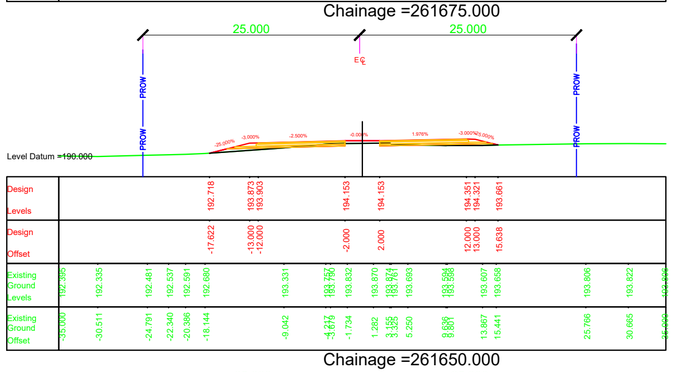


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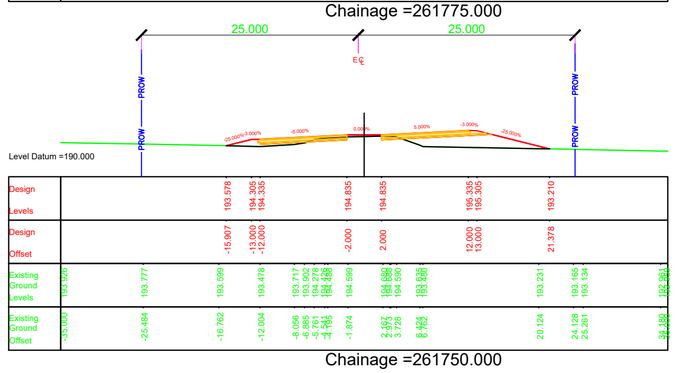


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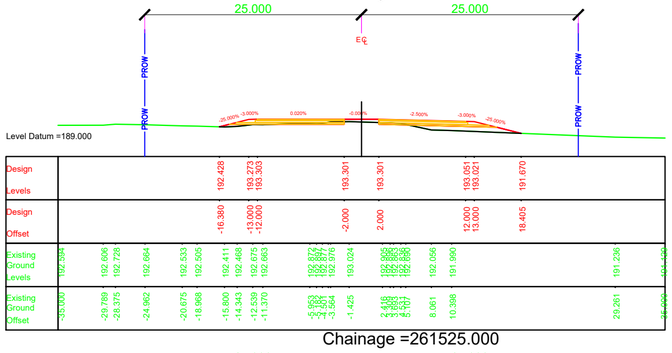


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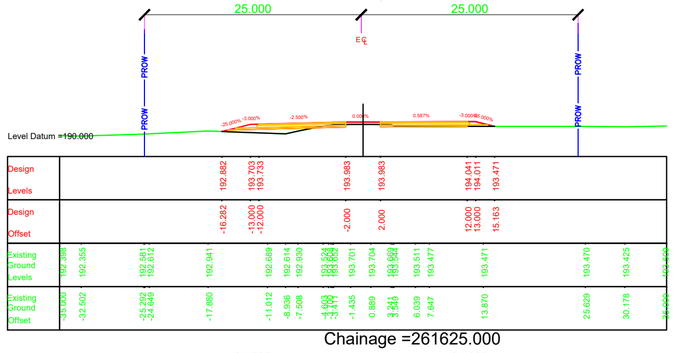


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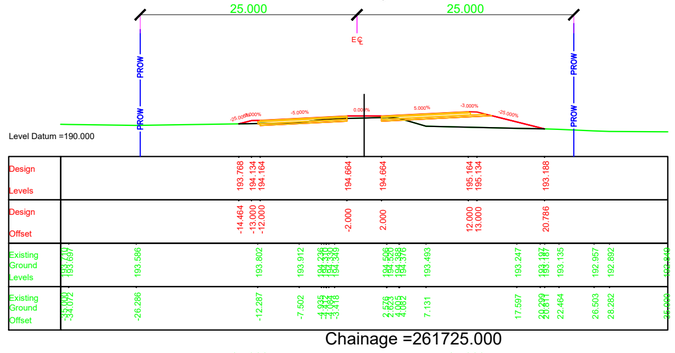


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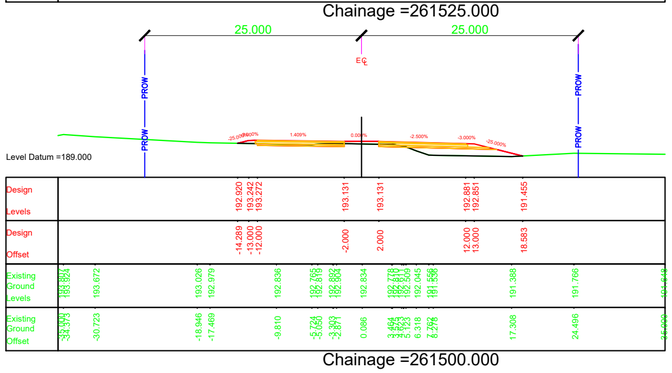


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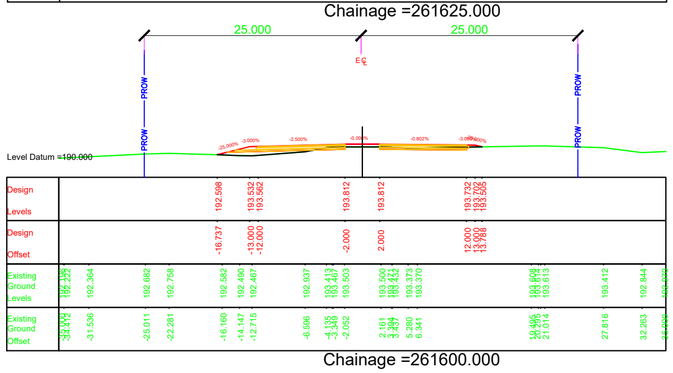


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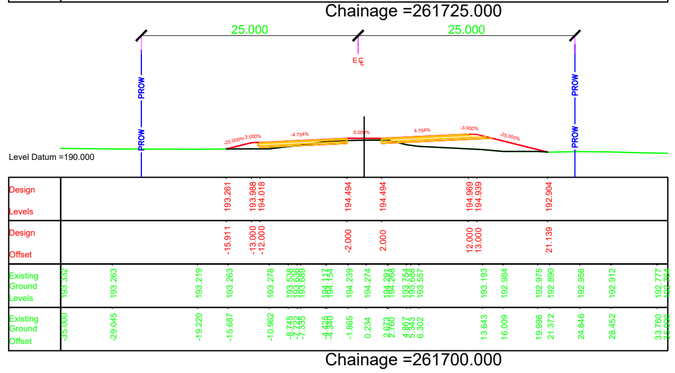


Chainage =261700.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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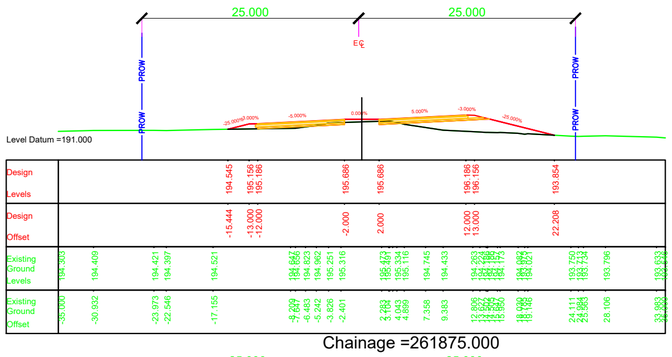
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 261+500 to Km 261+775 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 79

Sheet No.

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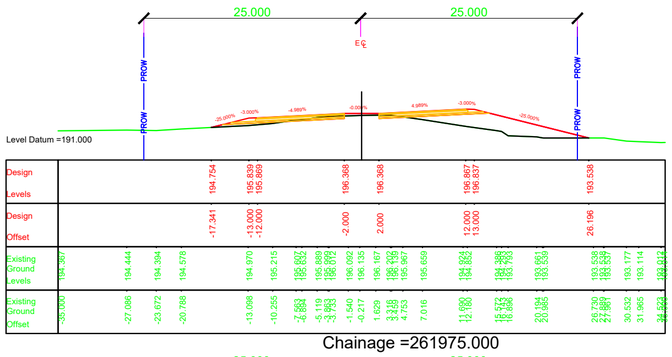


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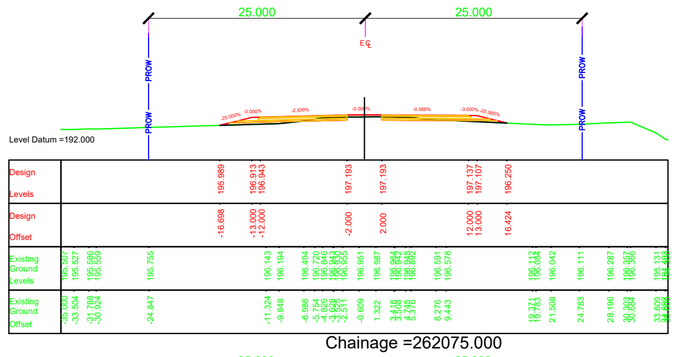


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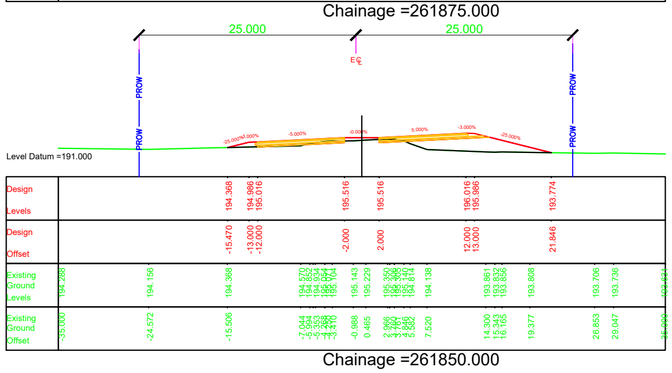


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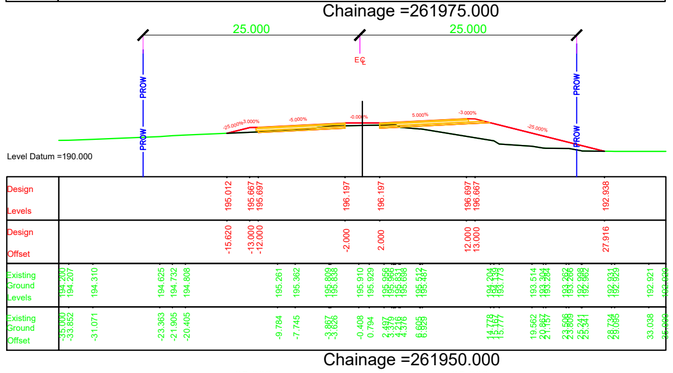


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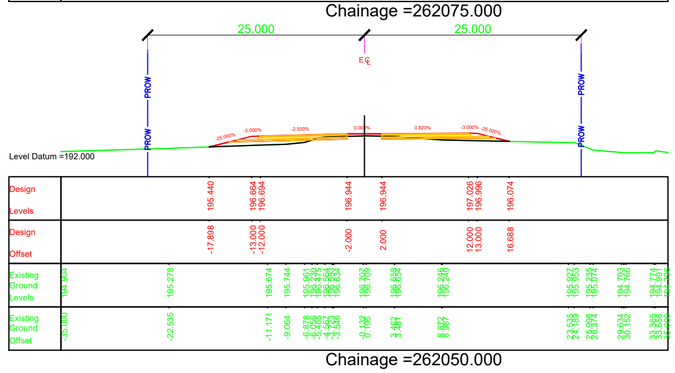


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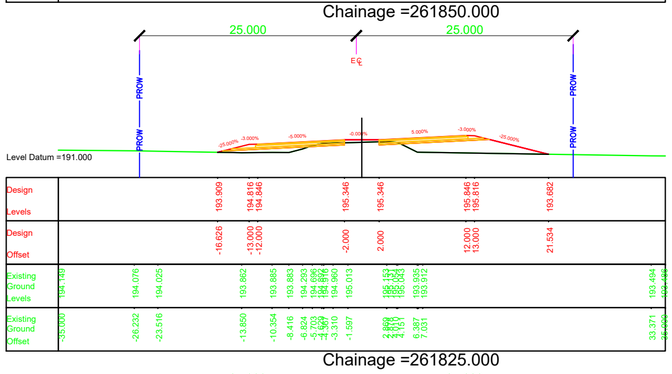


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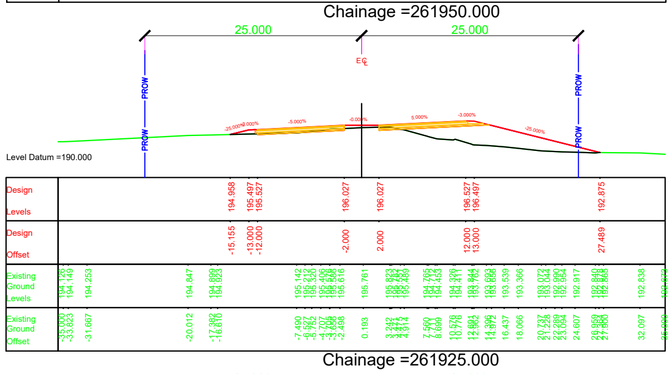


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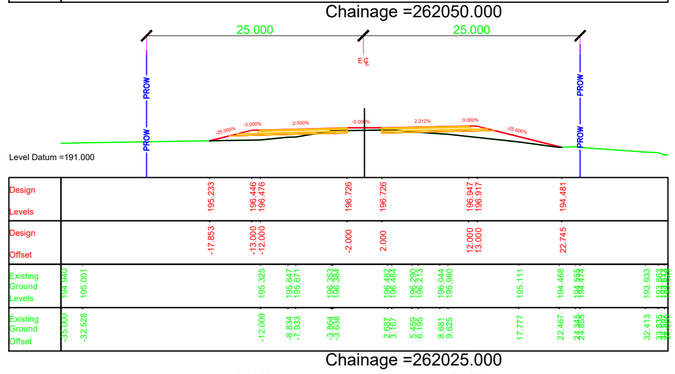


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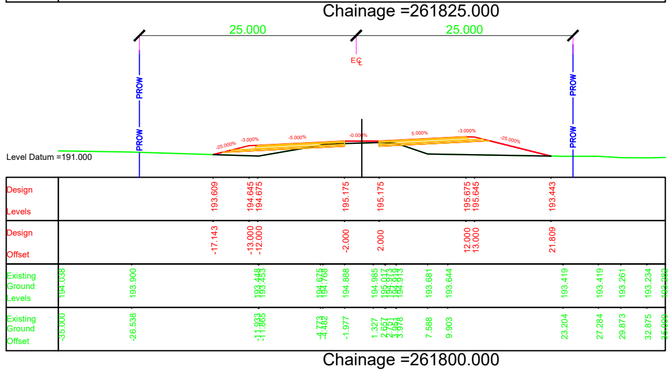


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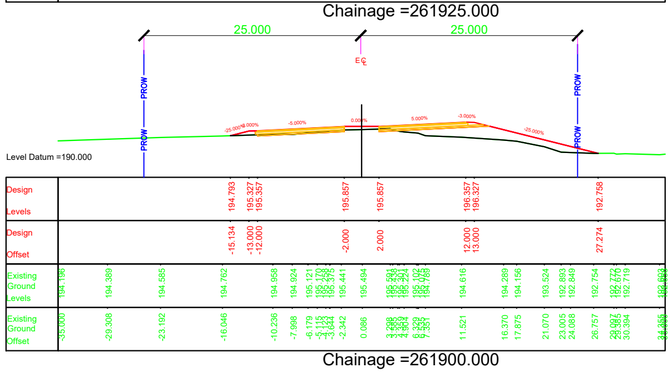


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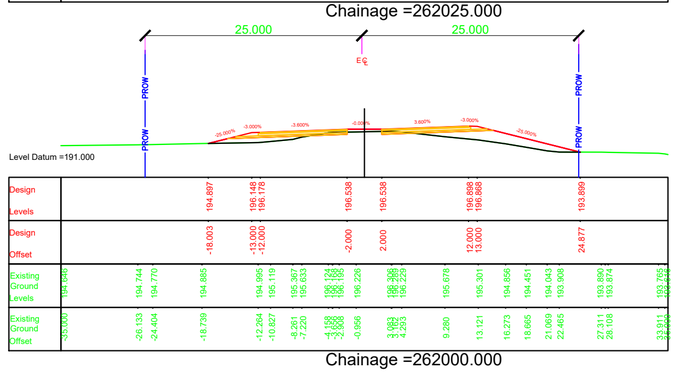
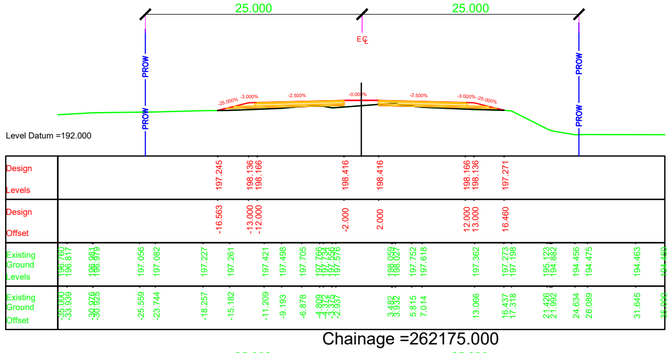



Chainage =262000.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 | Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 261+800 to Km 262+075 | Drawing No. KDP/DDR/HIGHWAY/RCS- 80 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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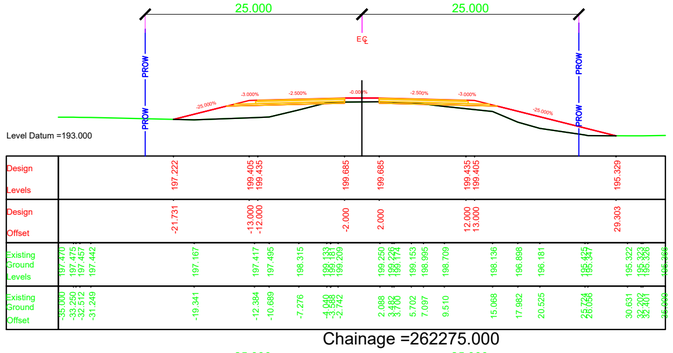


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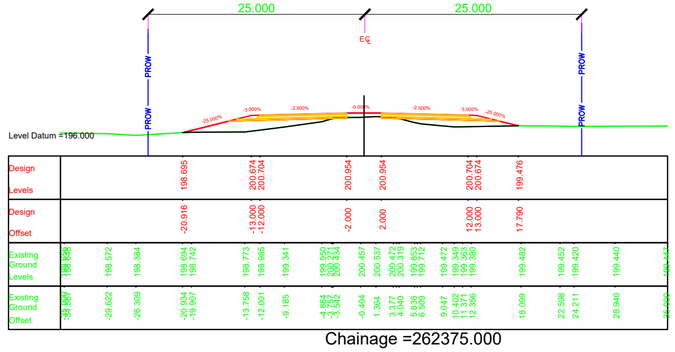


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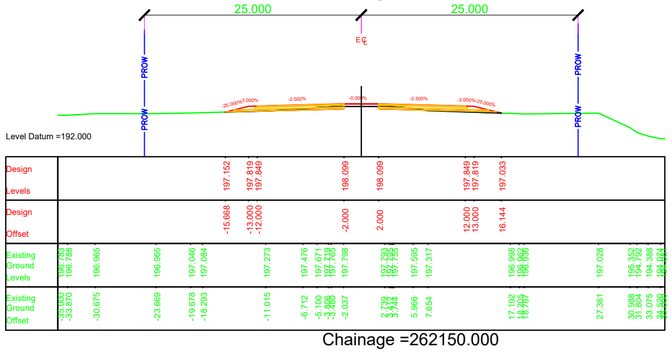


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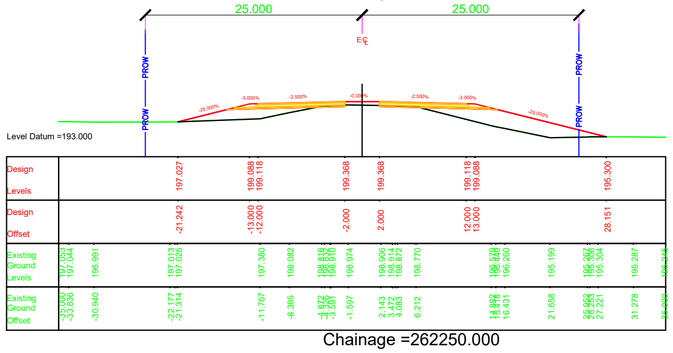


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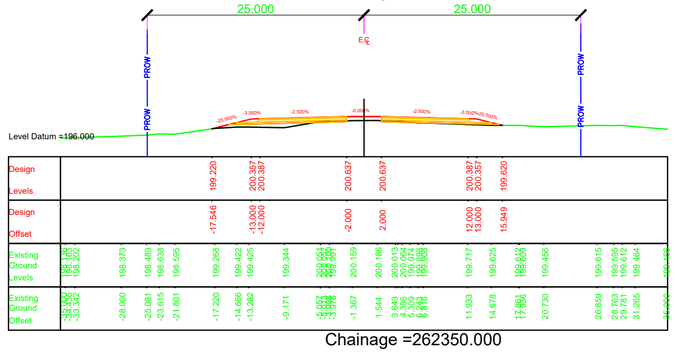


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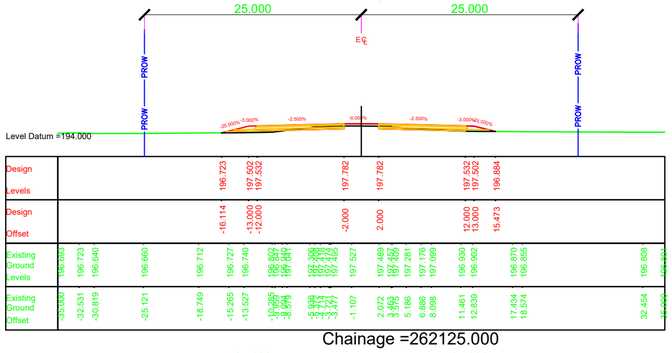


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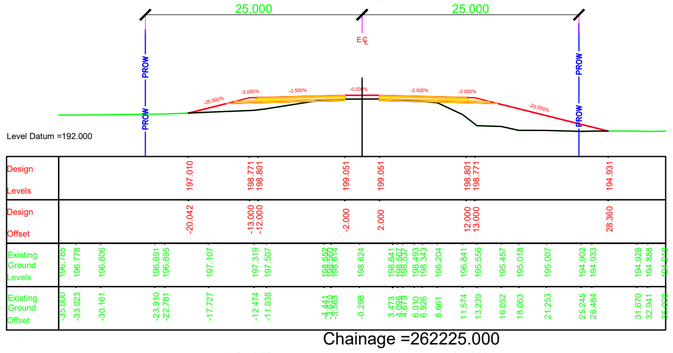


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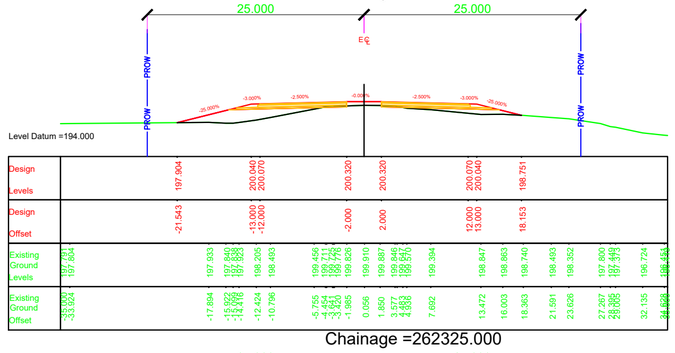


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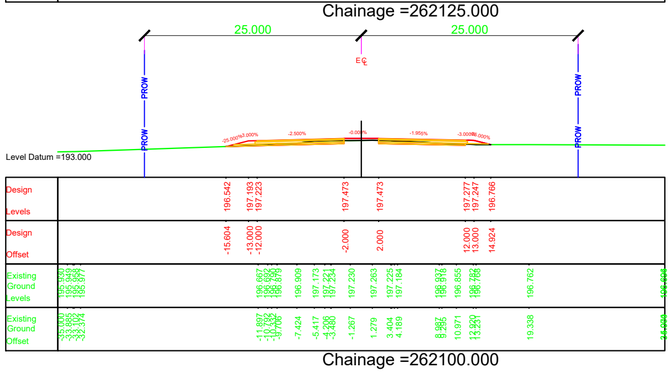


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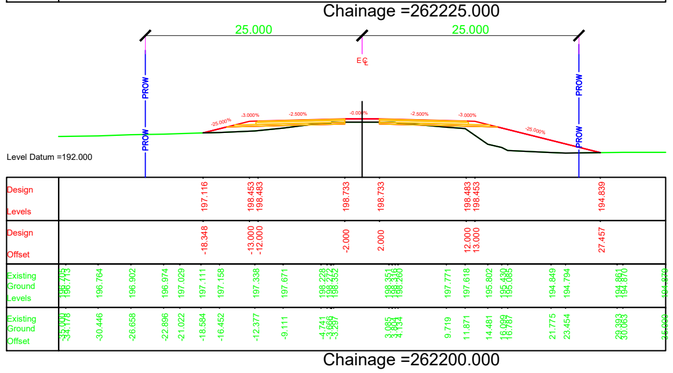


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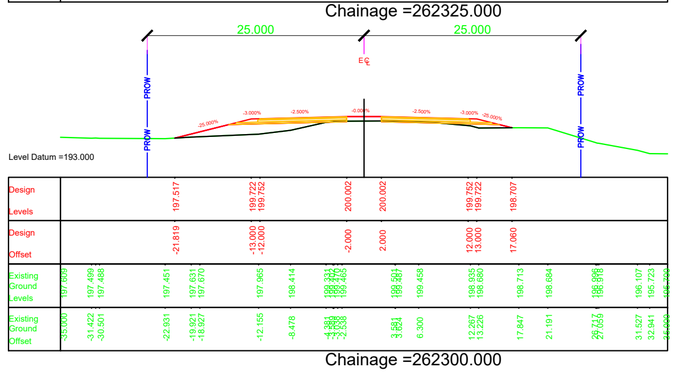


Chainage =262300.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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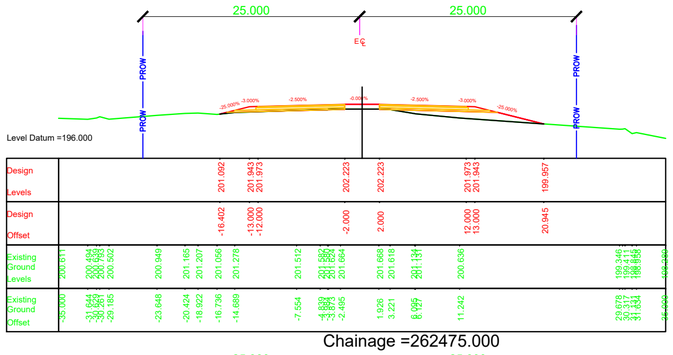
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 262+100 to Km 262+375 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 81

Sheet No.

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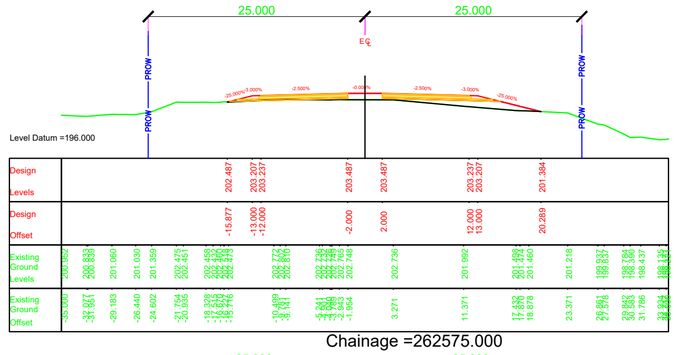


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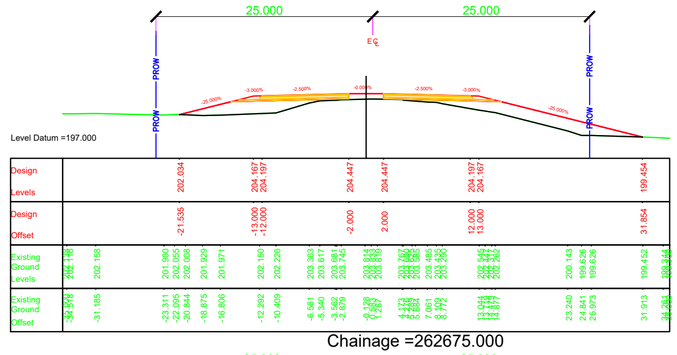


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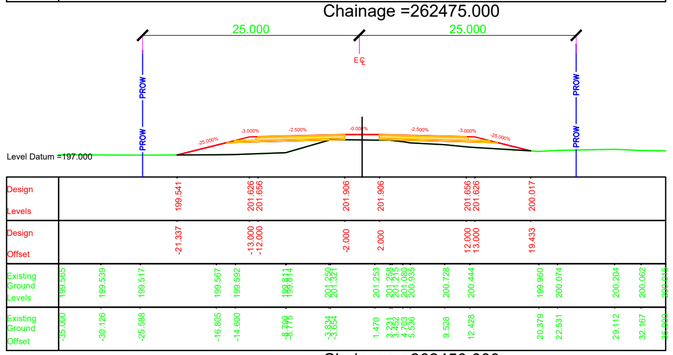


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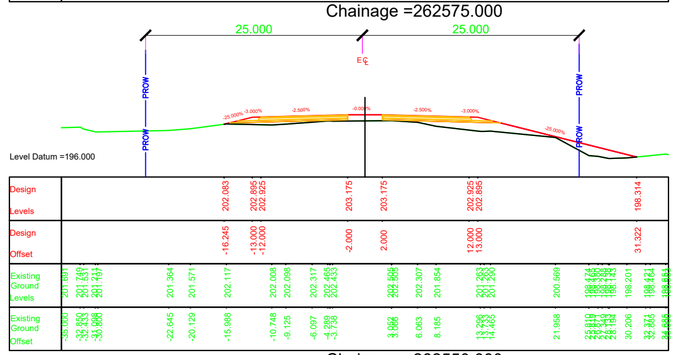


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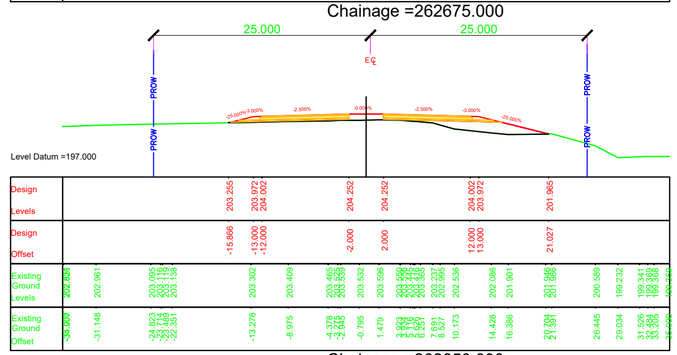


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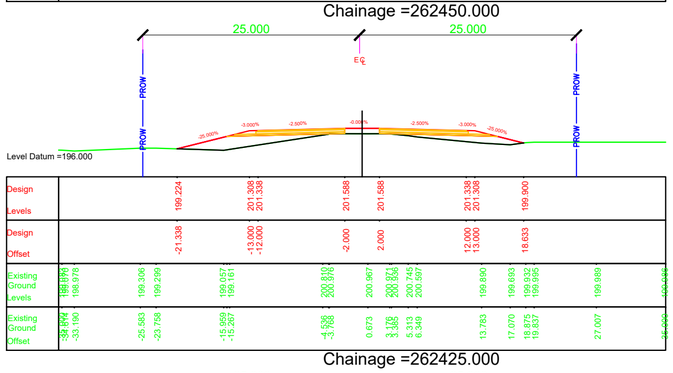


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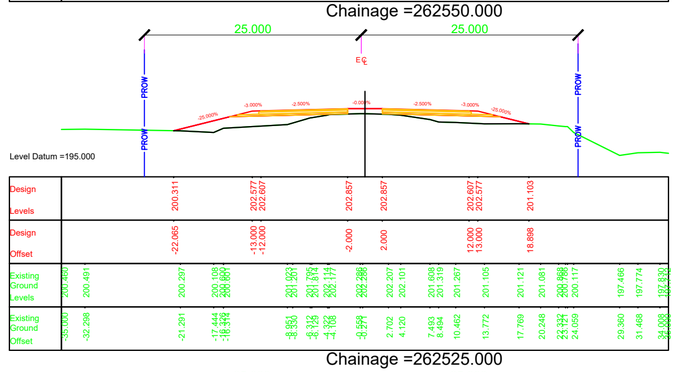


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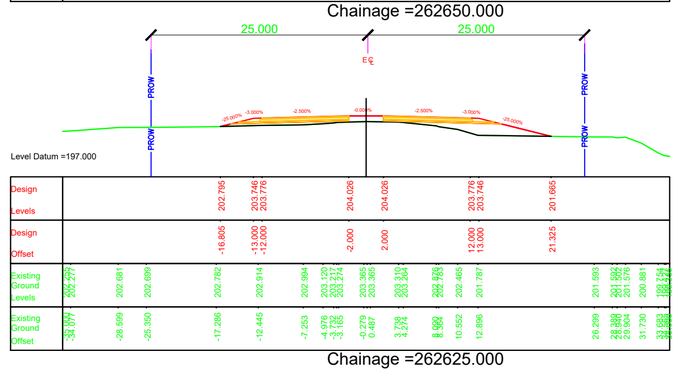


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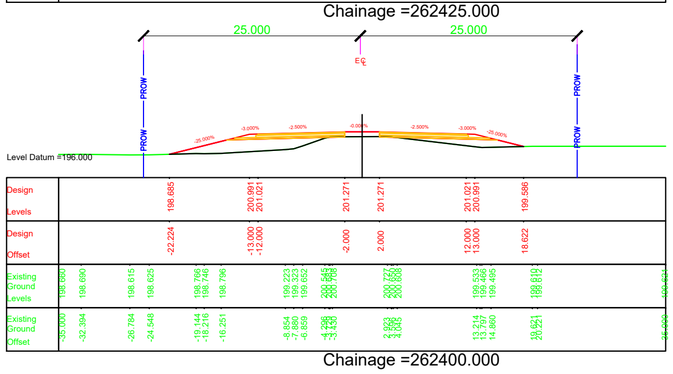


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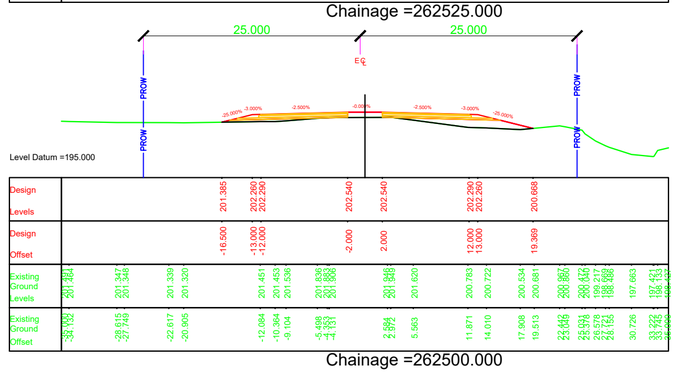


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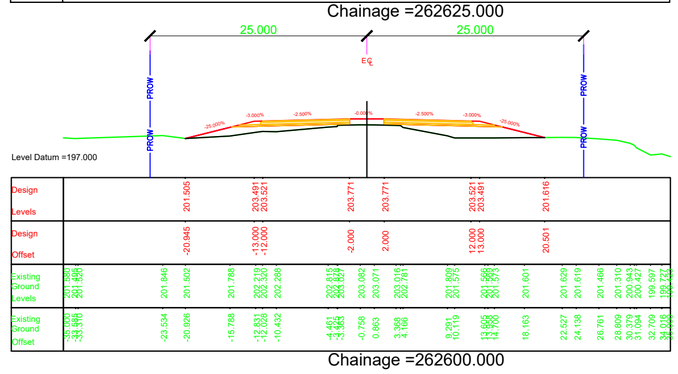



Chainage =262600.000

NOTES:

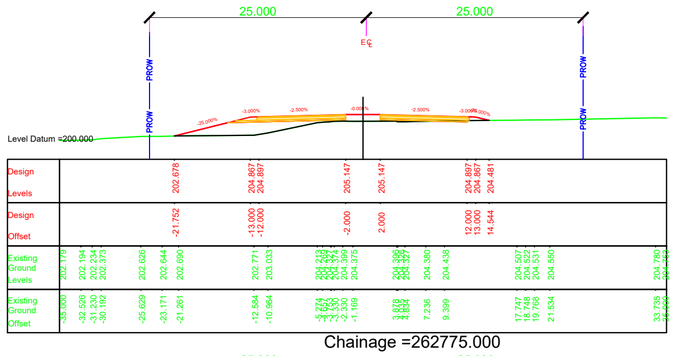
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 262+400 to Km 262+675 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 82

Sheet No.

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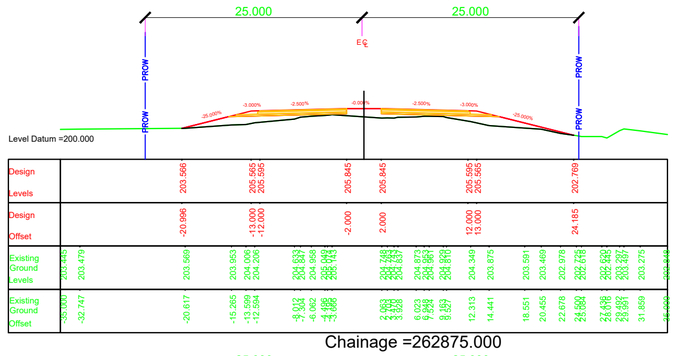


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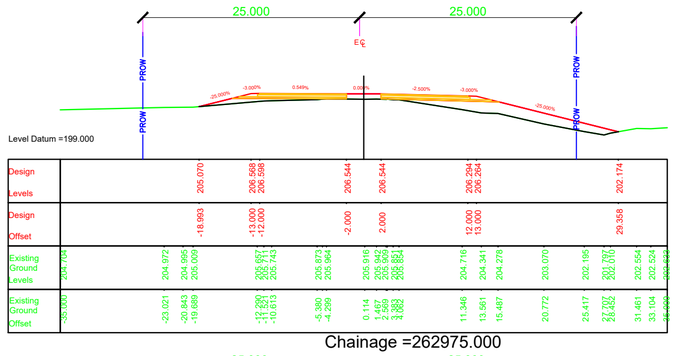


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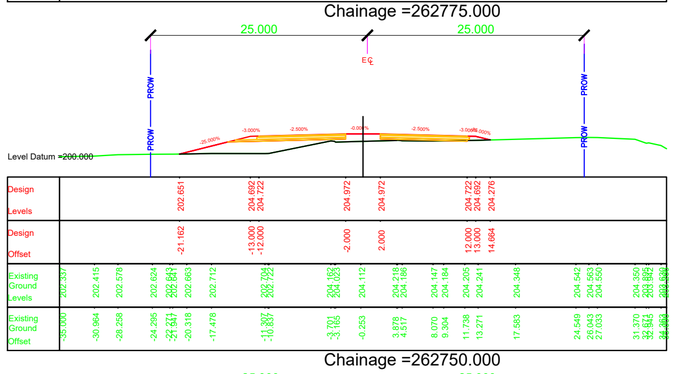


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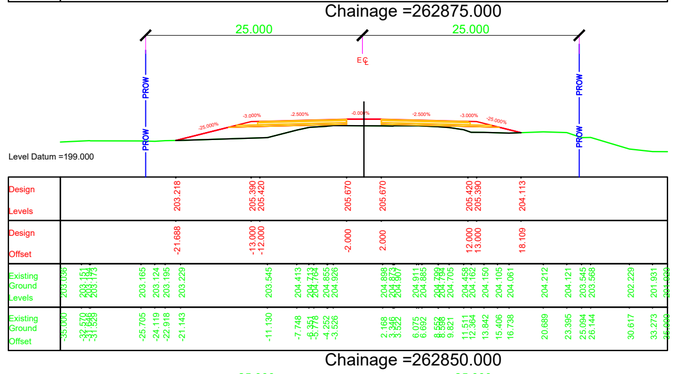


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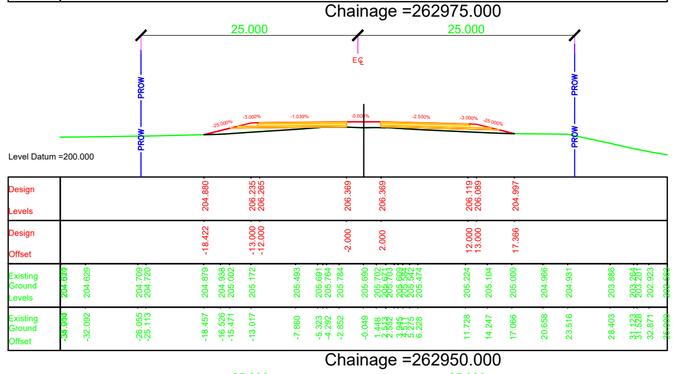


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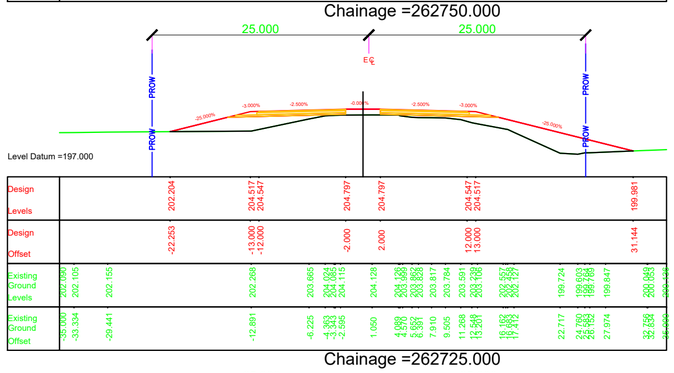


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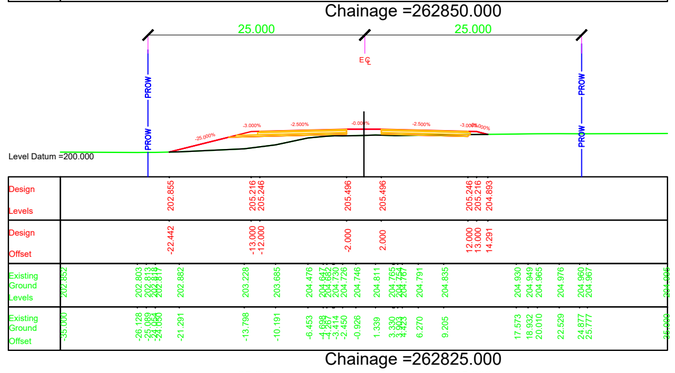


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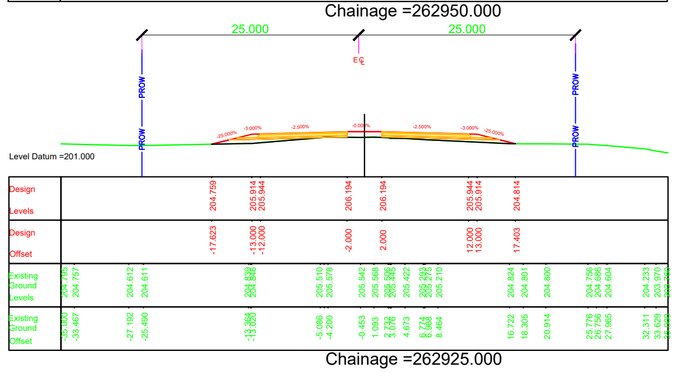


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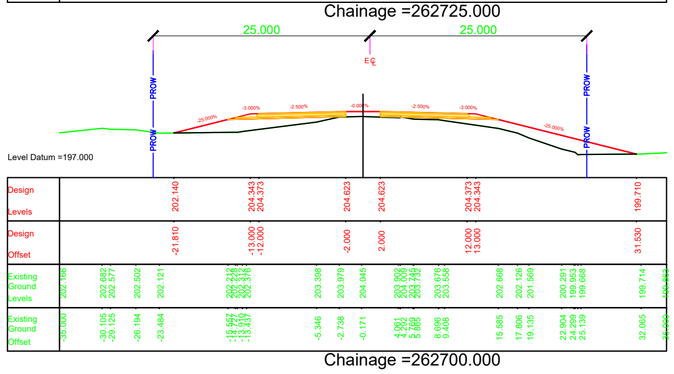


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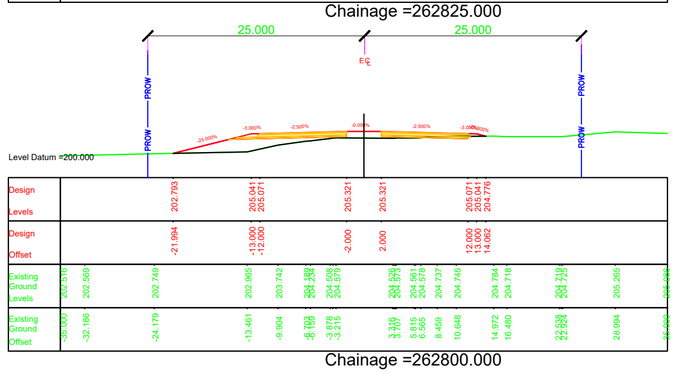


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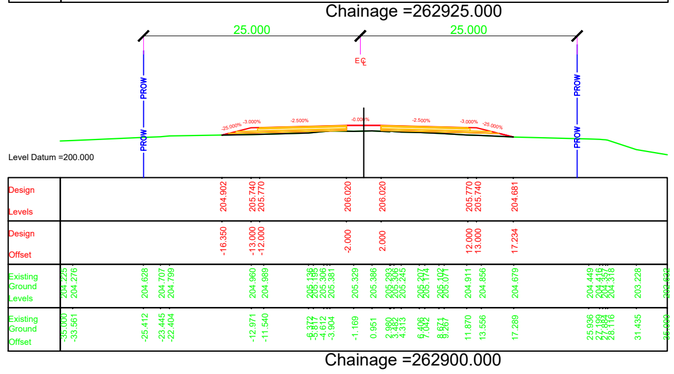


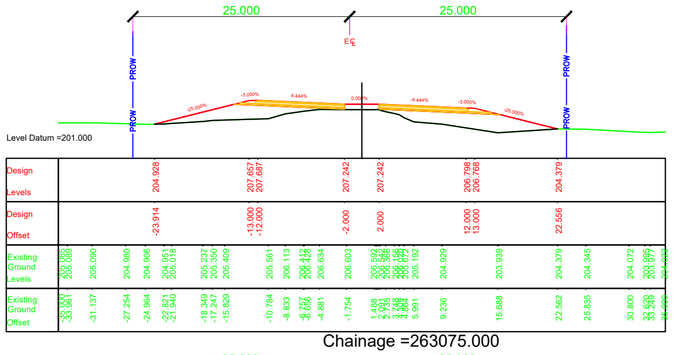

Chainage =262900.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 262+700 to Km 262+975 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 83<br>Sheet No. |

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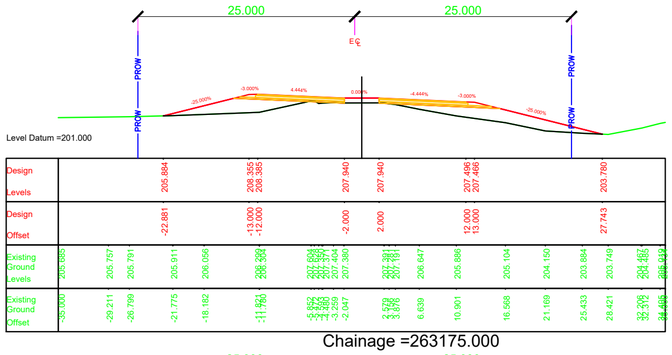


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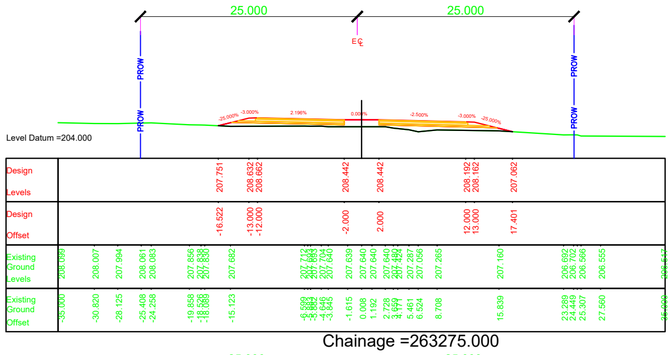


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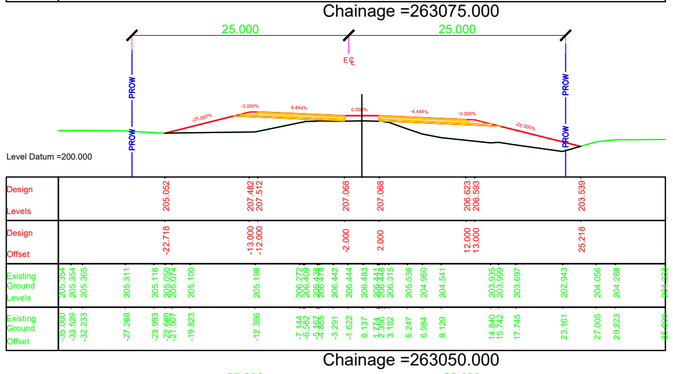


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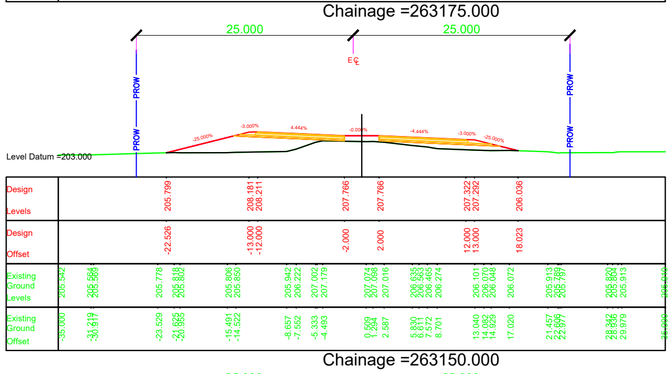


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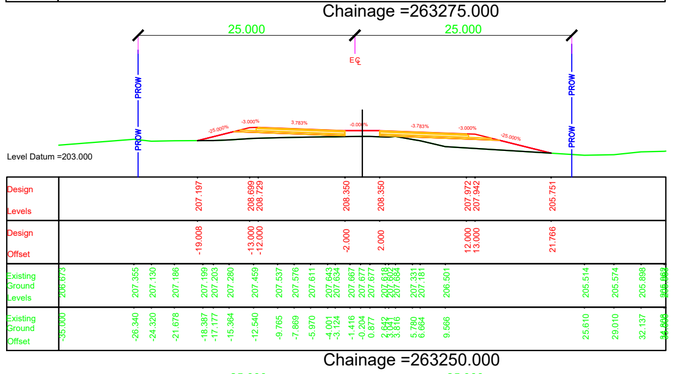


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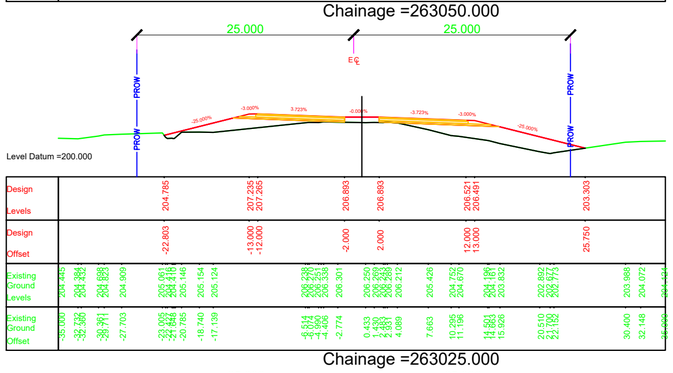


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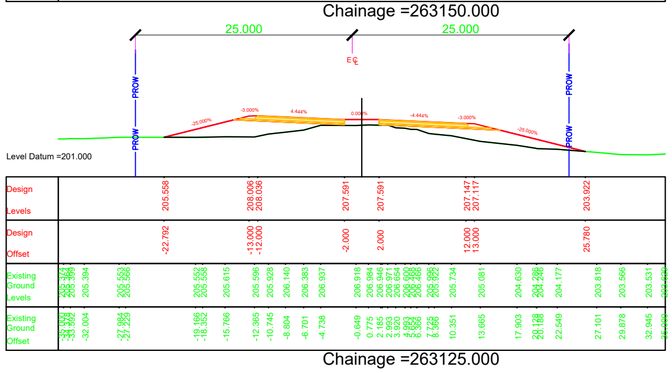


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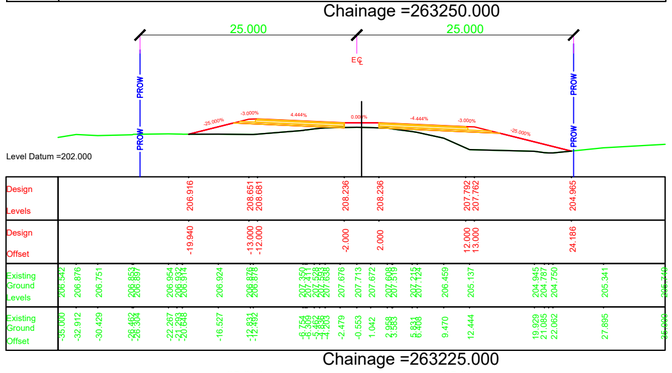


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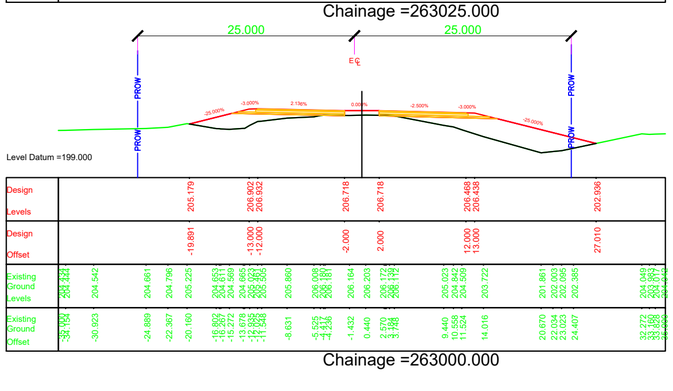


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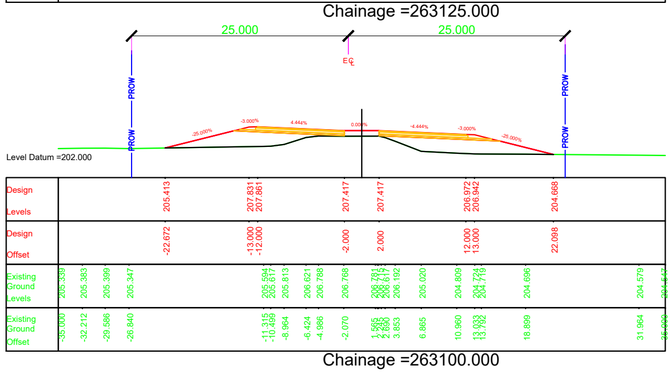


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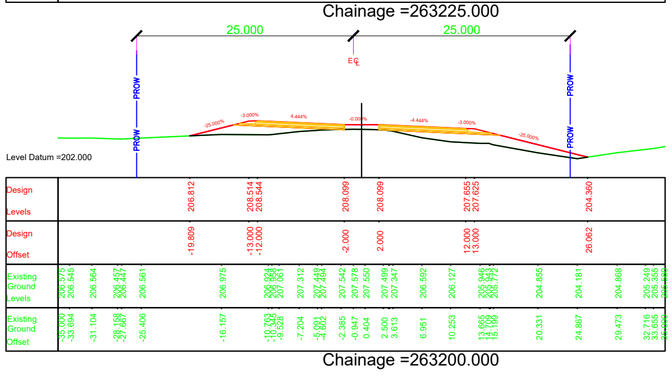



Chainage =263200.000

NOTES:

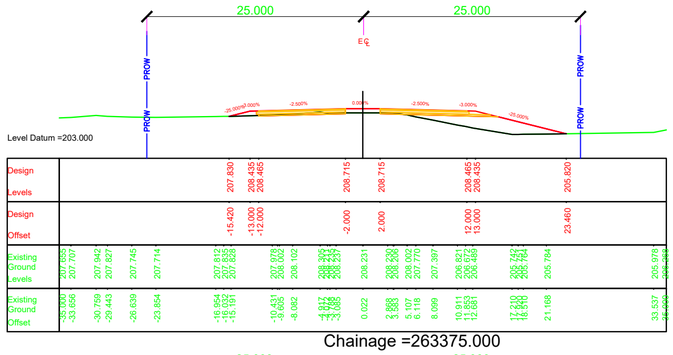
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 263+000 to Km 263+275 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 84

Sheet No.

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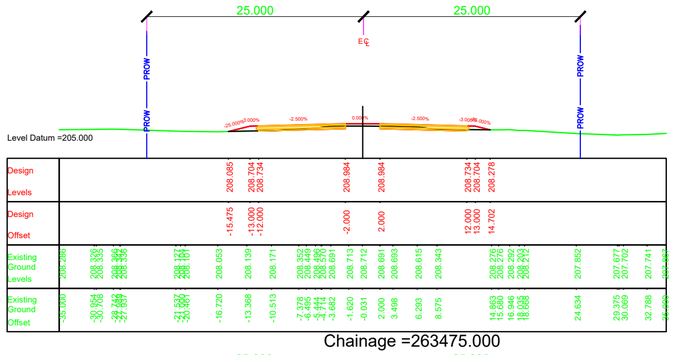
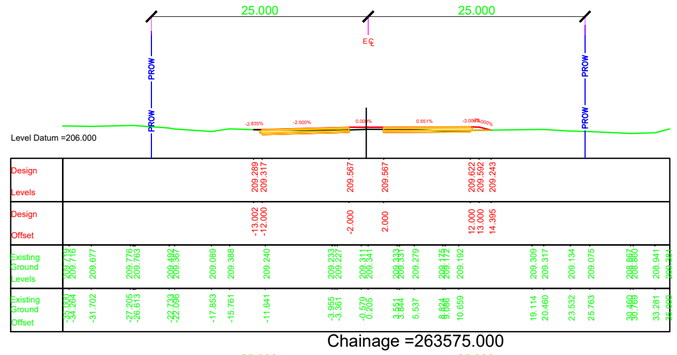



Chainage =263475.000

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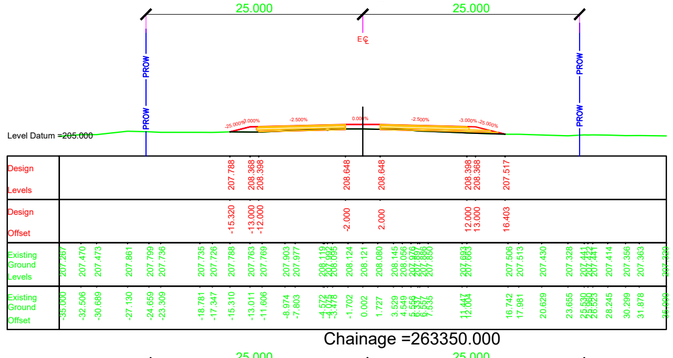


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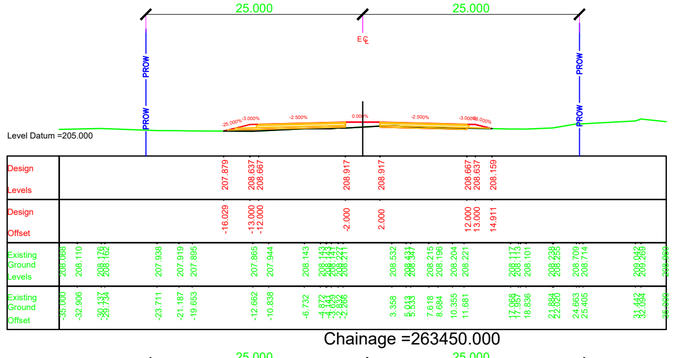


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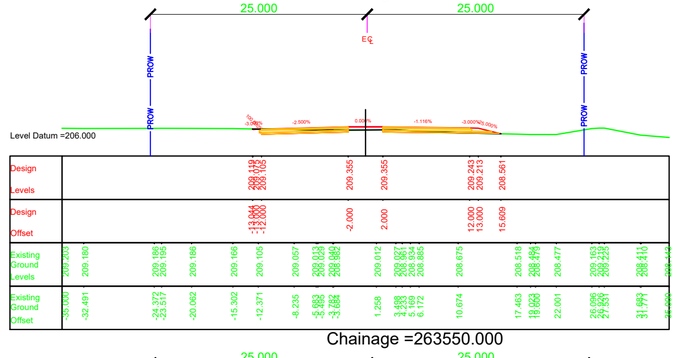


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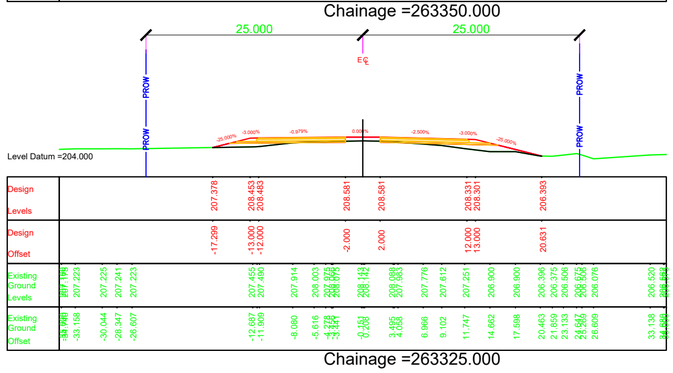


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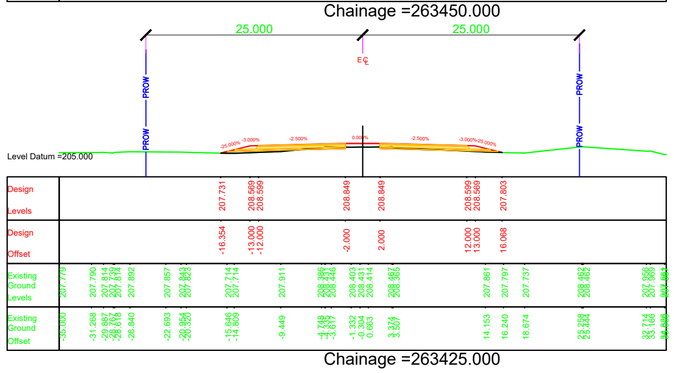


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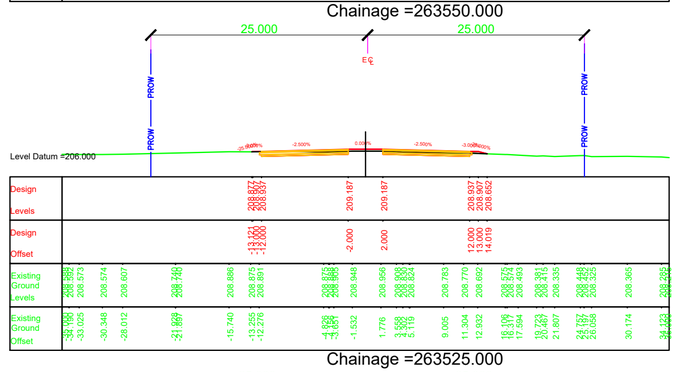


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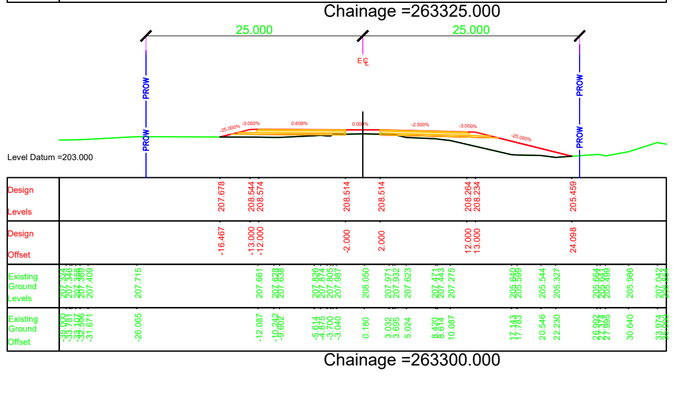


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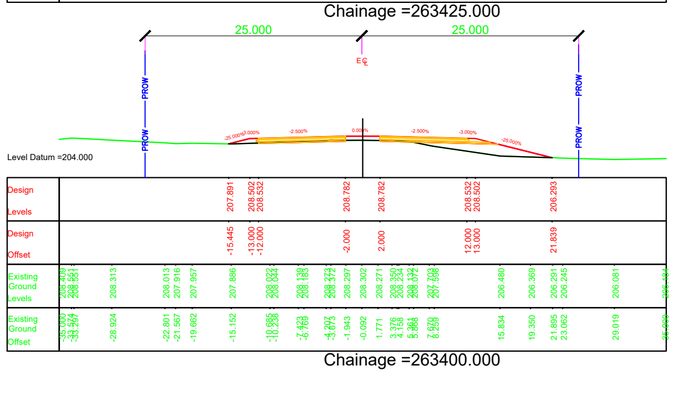


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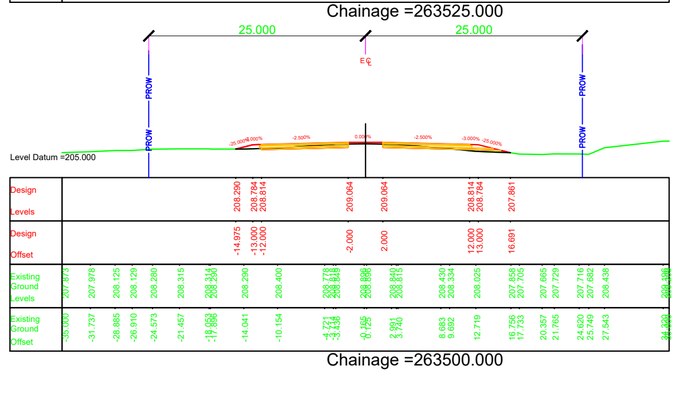


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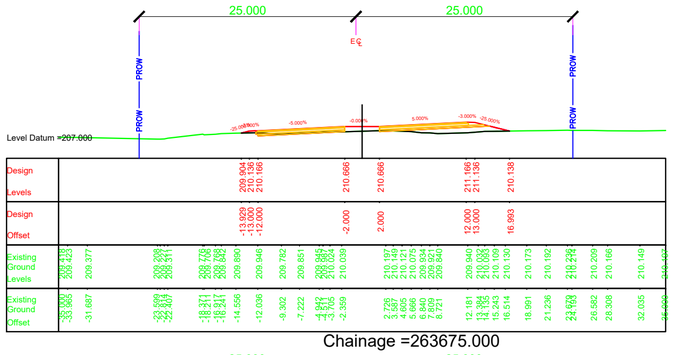
NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Drawing No. KDP/DDR/HIGHWAY/RCS- 85<br>Chainage: Km 263+300 to Km 263+575 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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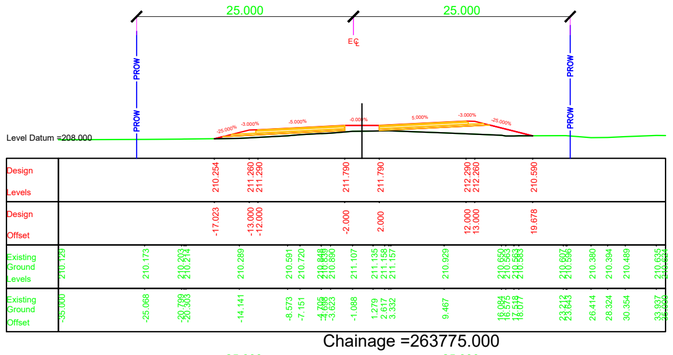


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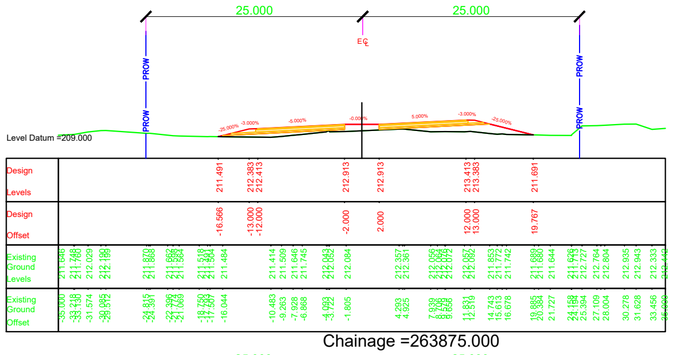


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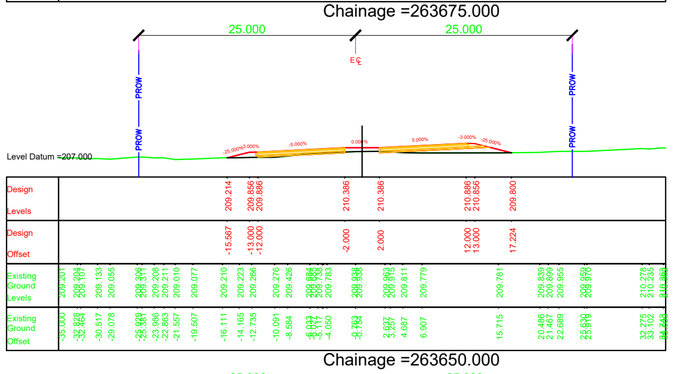


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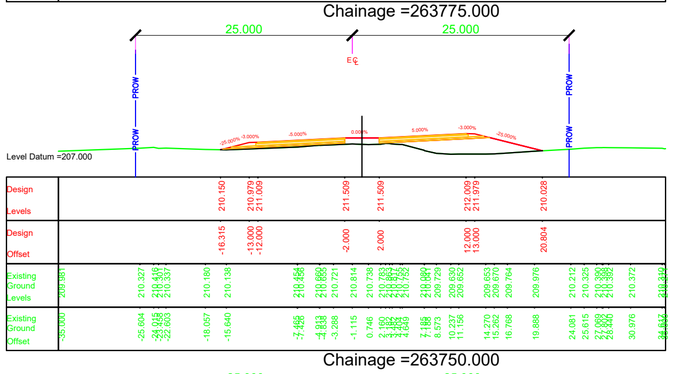


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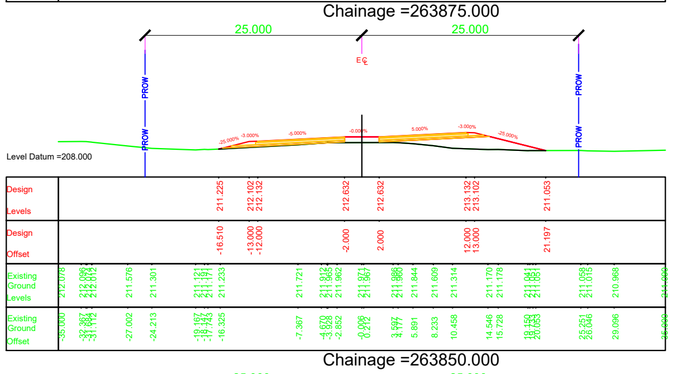


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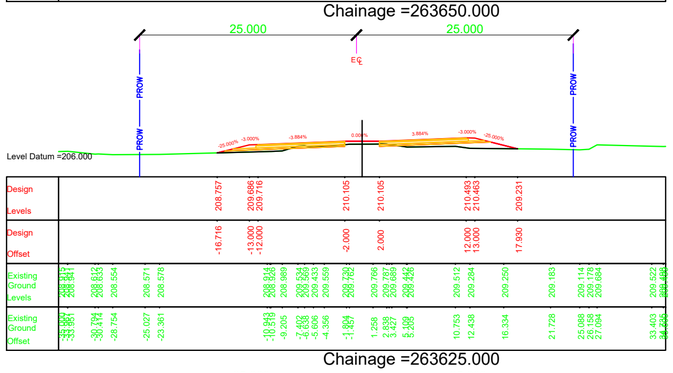


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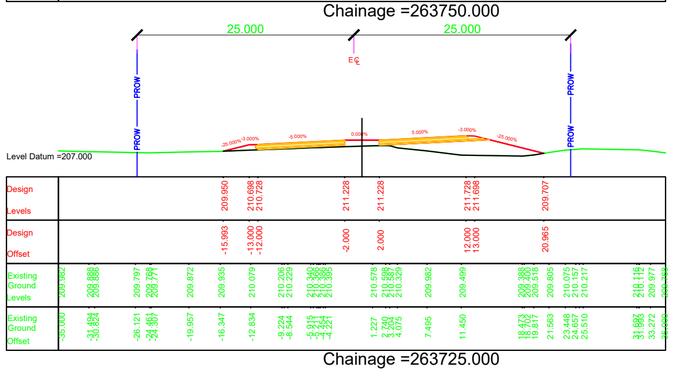


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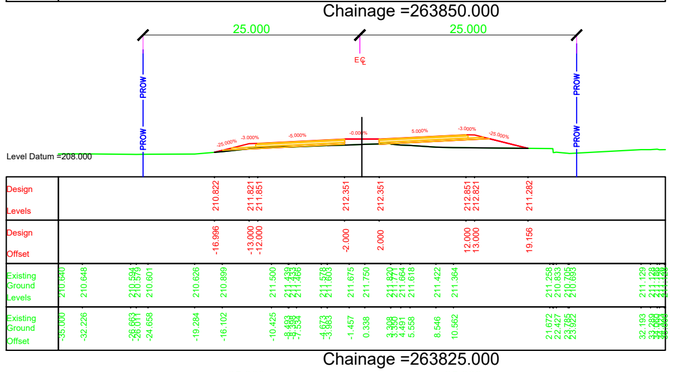


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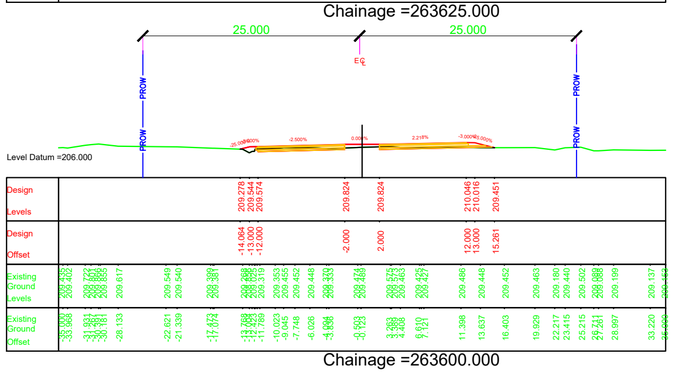


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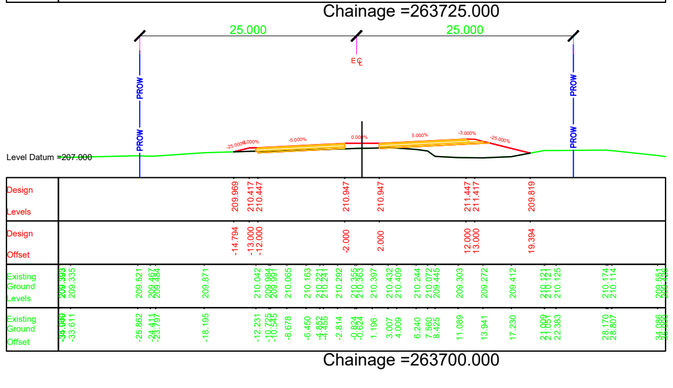


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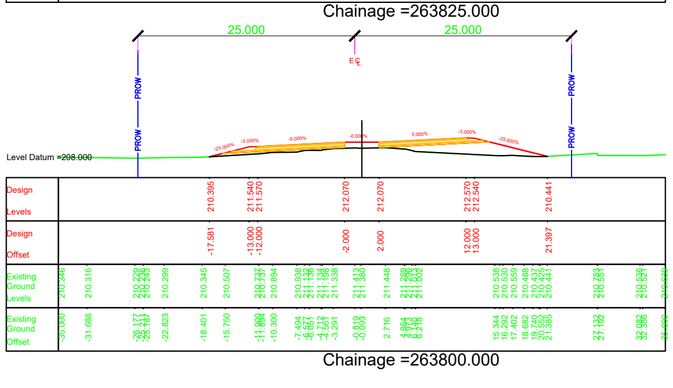


Chainage =263800.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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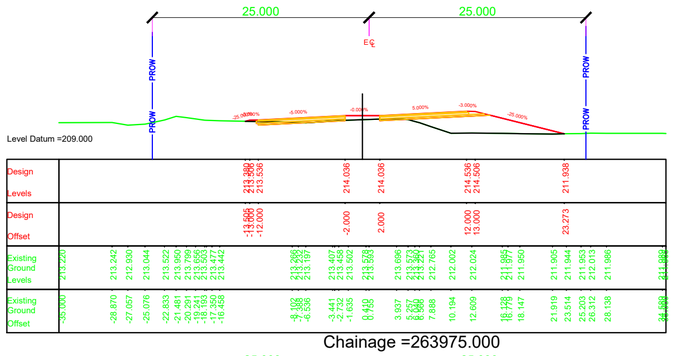
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 263+600 to Km 263+875 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 86

Sheet No.

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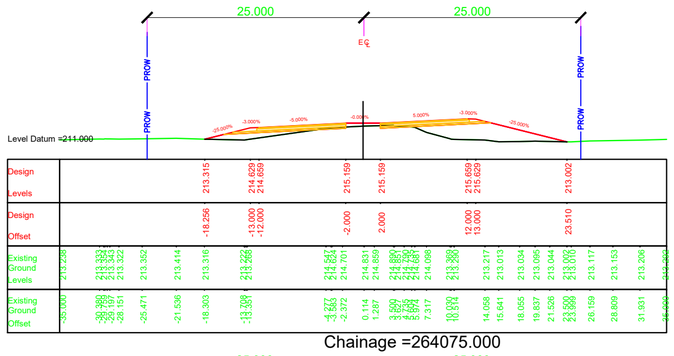


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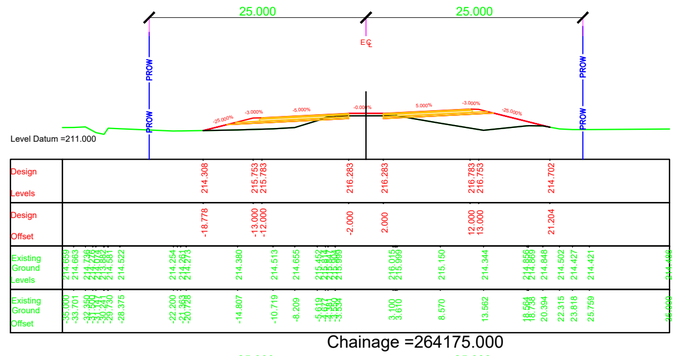


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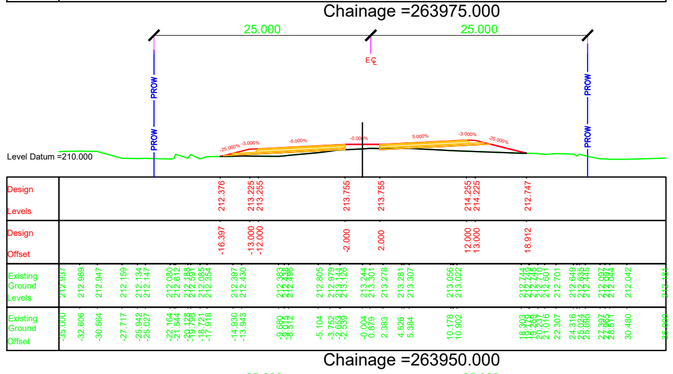


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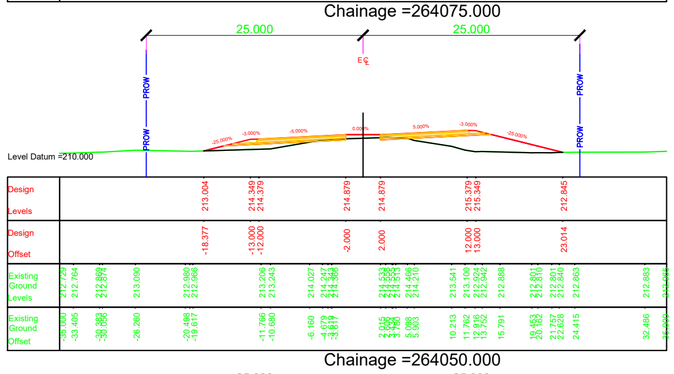


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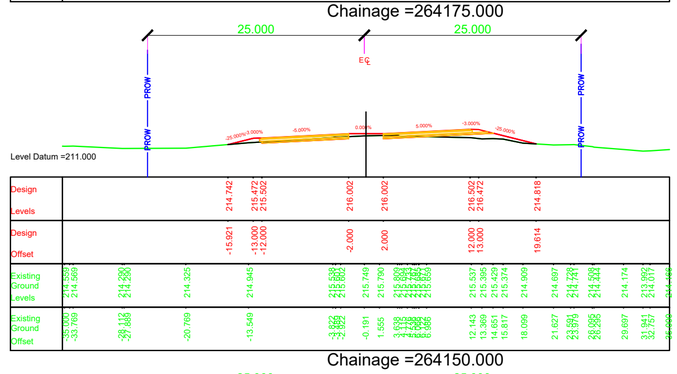


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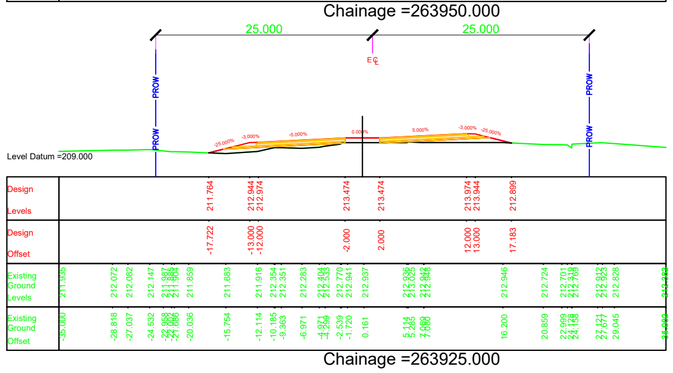


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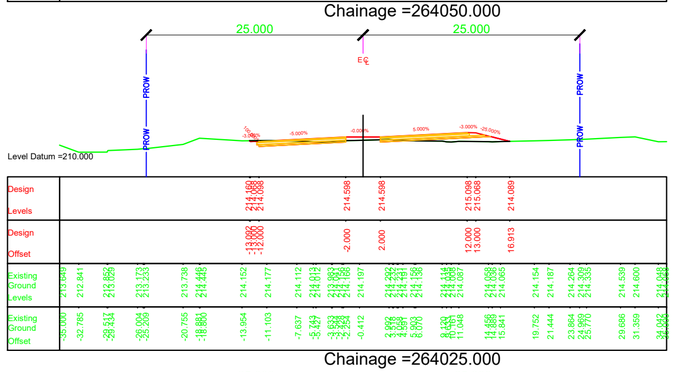


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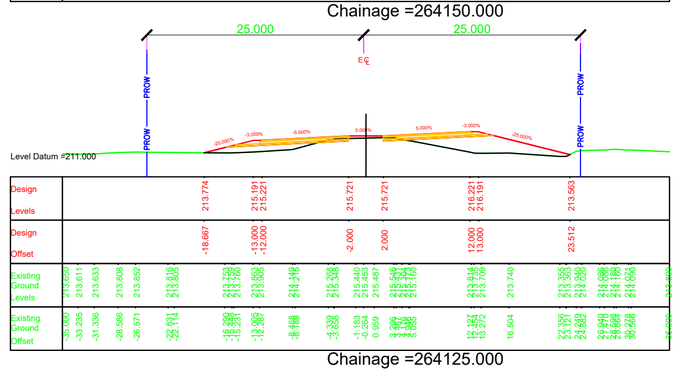


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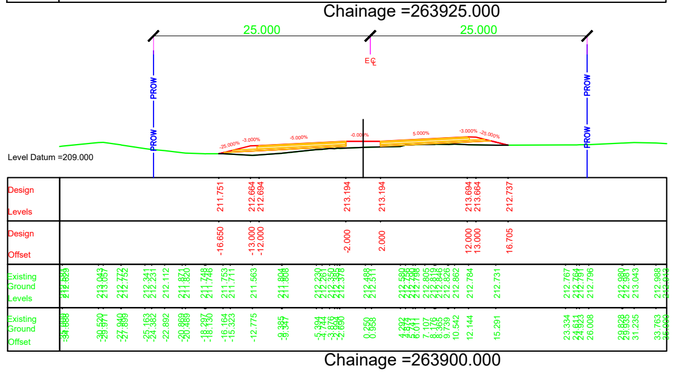


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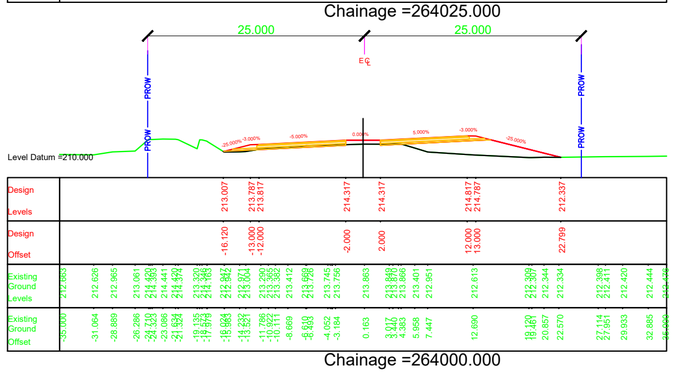


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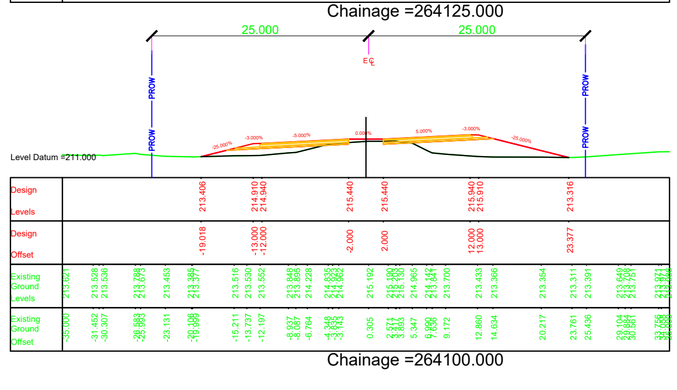


Chainage =264100.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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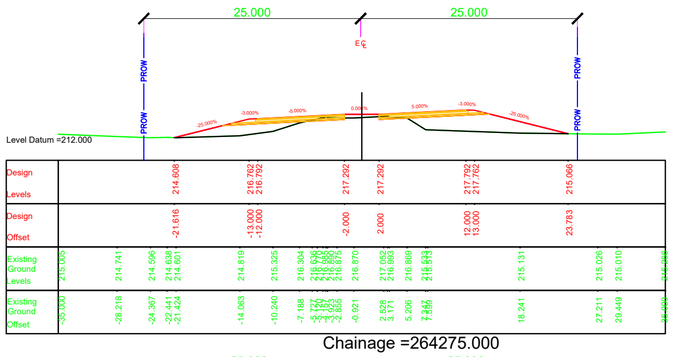
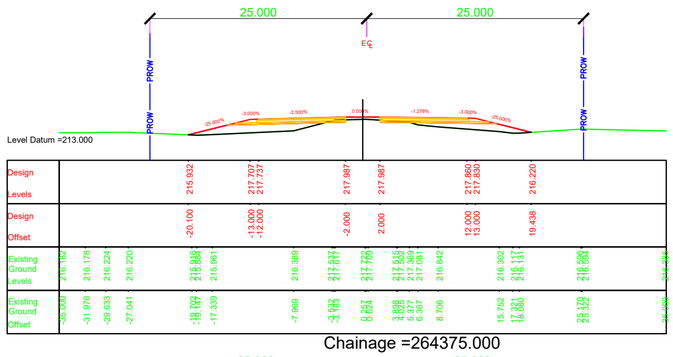
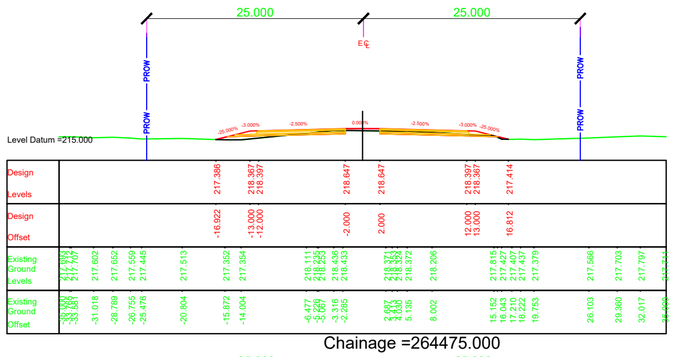
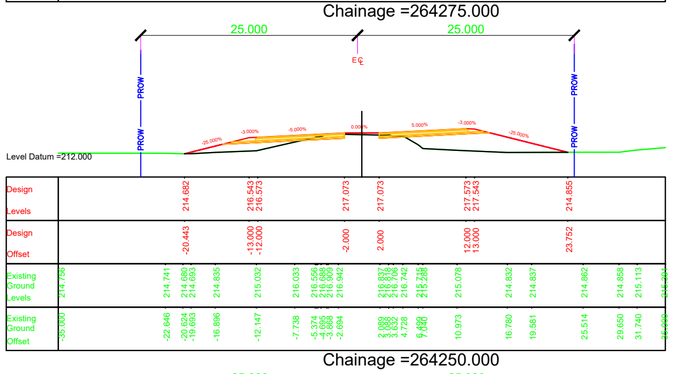
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

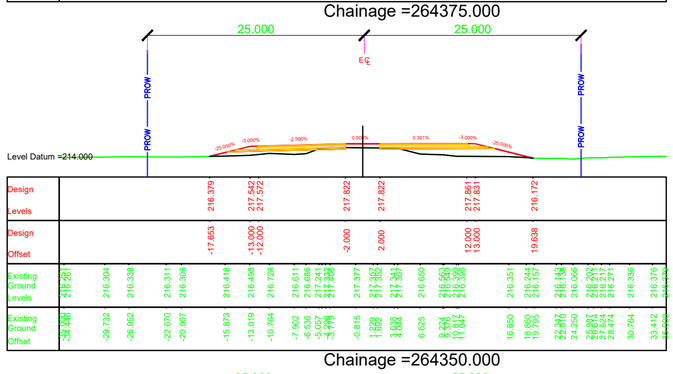
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Drawing No. KDP/DDR/HIGHWAY/RCS- 87<br>Chainage: Km 263+900 to Km 264+175 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

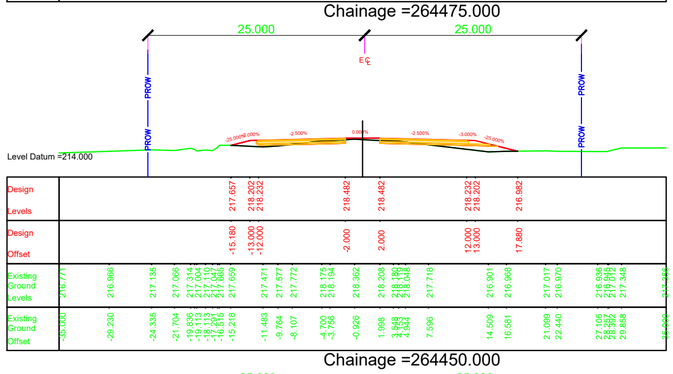


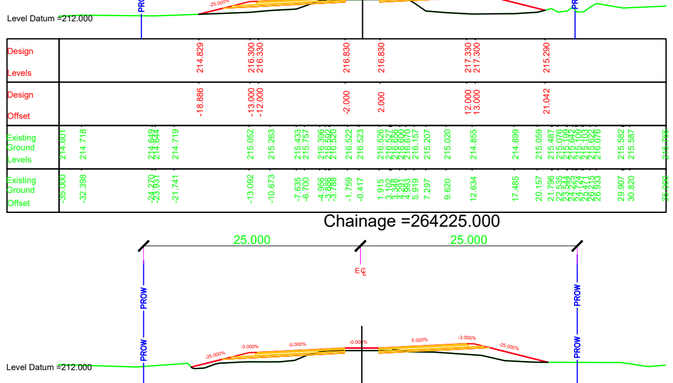



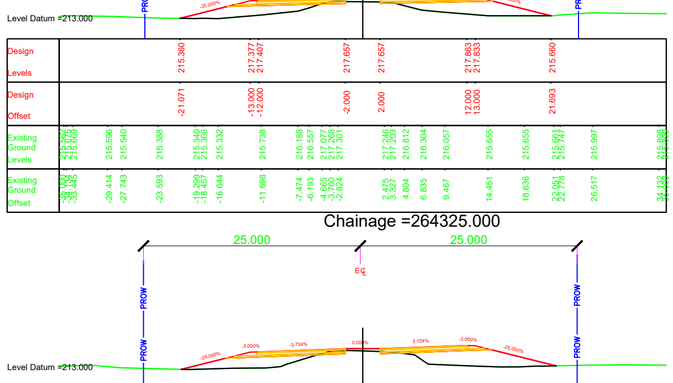



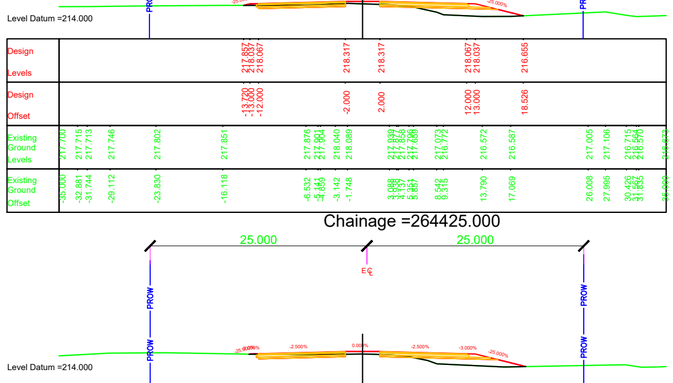



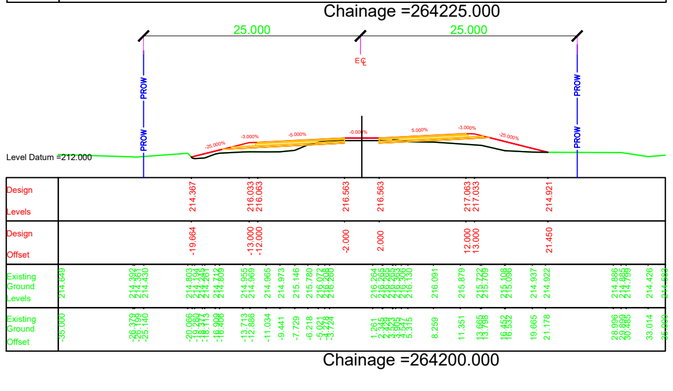



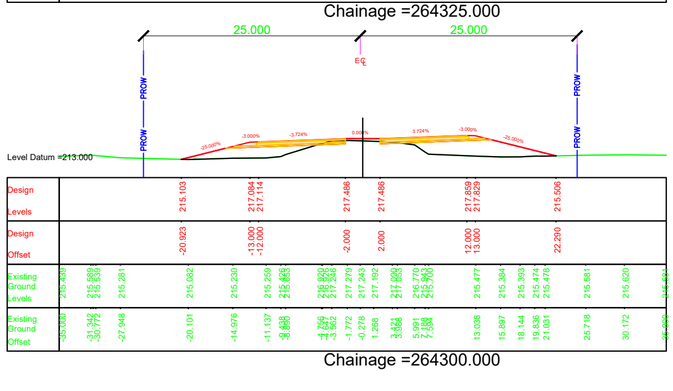



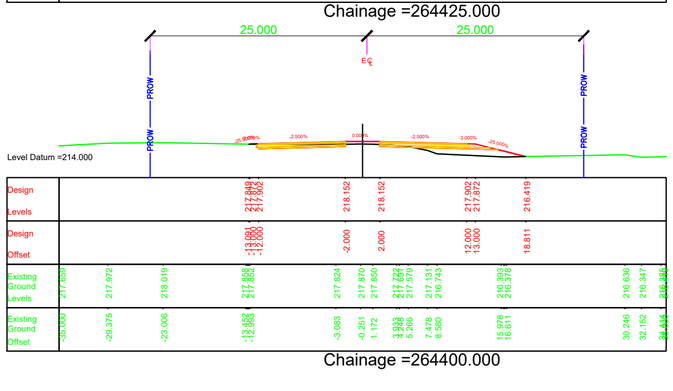

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1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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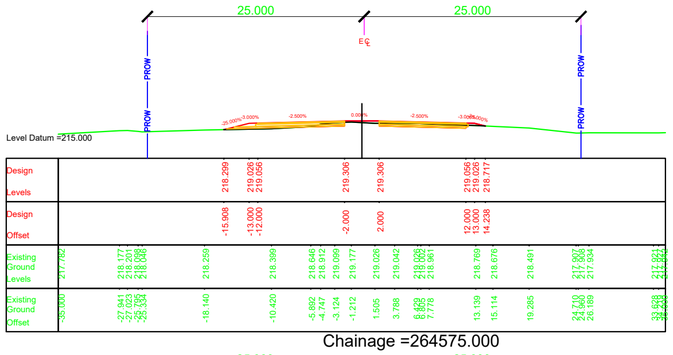
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | |
|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION<br>Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Scale: 1:500<br>Chainage: Km 264+200 to Km 264+475 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 88<br>Sheet No. |

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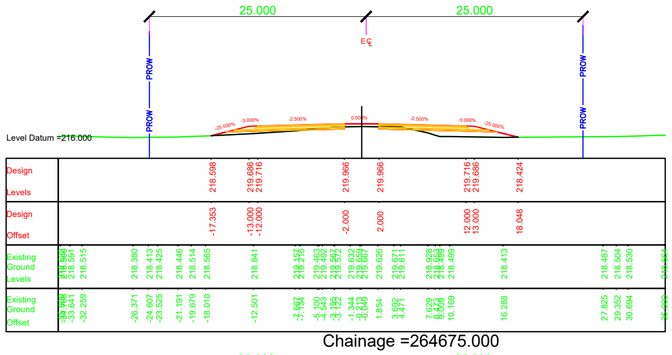


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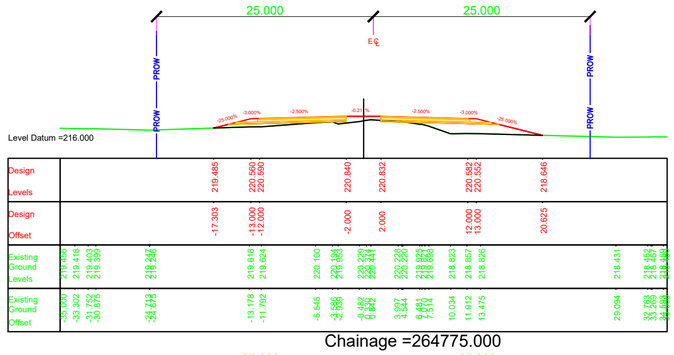


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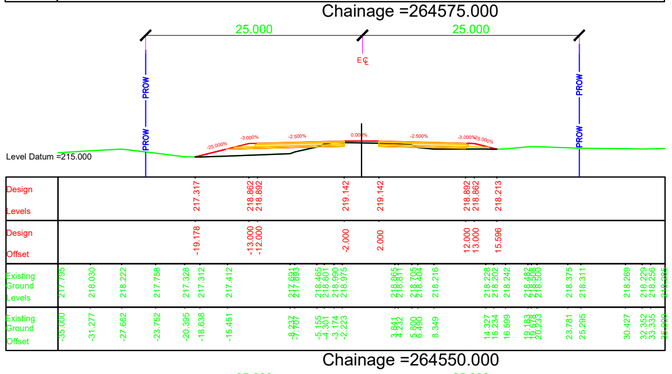


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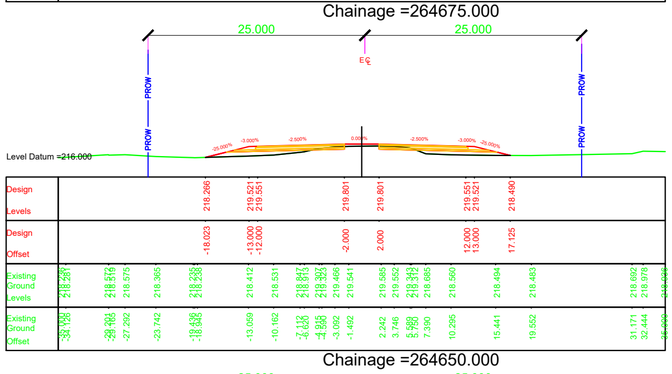


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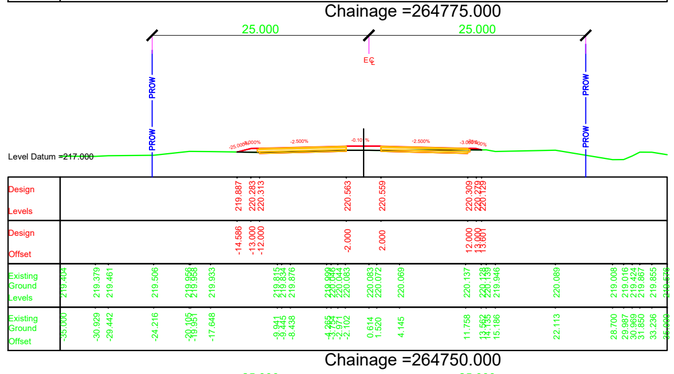


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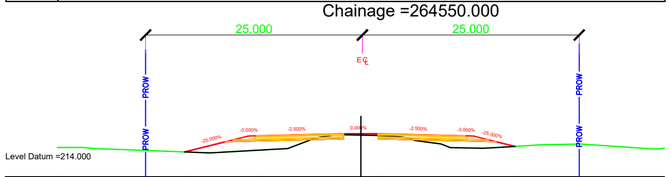


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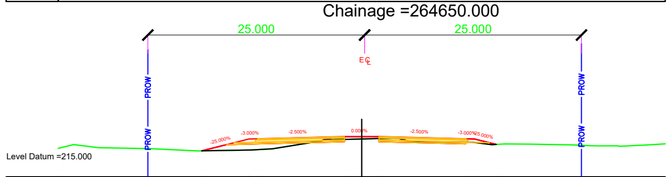


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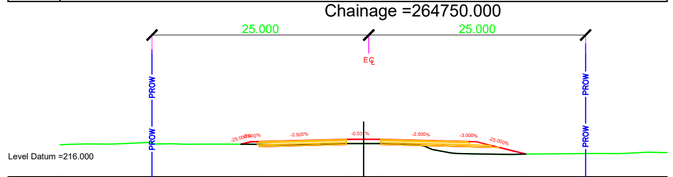


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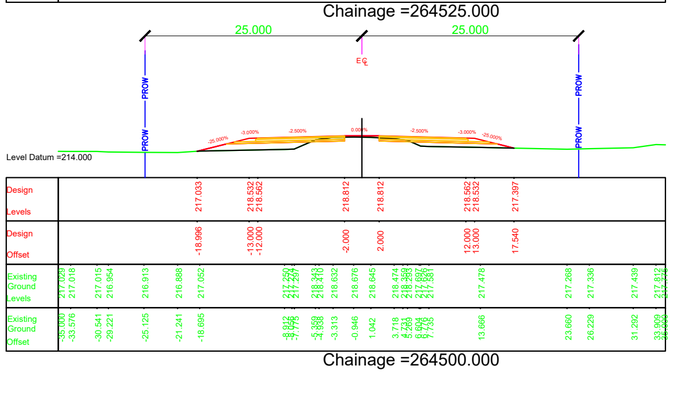


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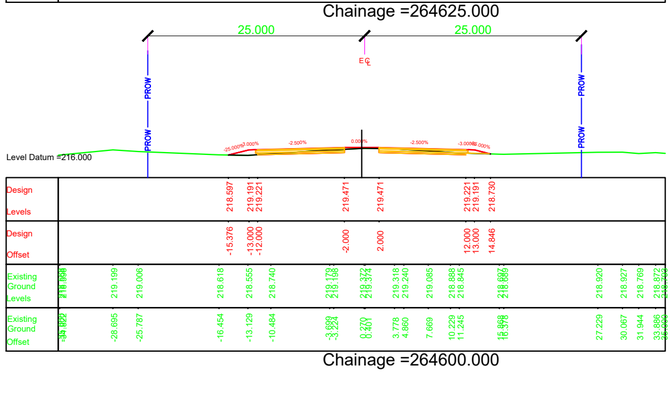


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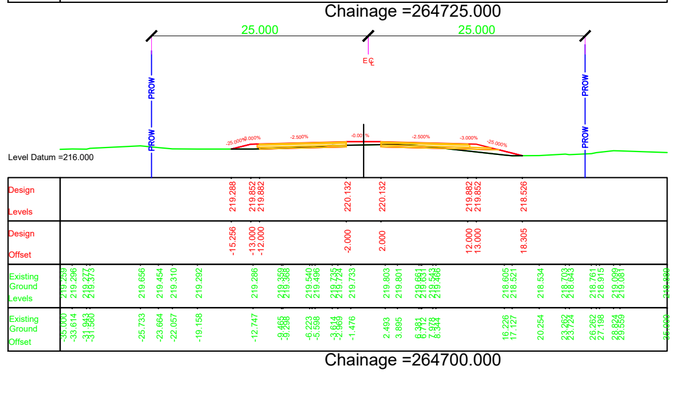


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NOTES:

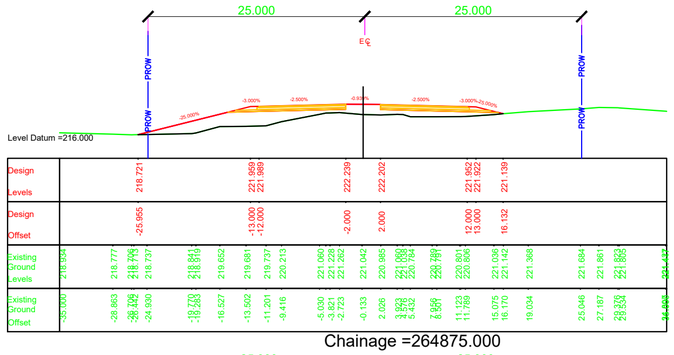
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 264+500 to Km 264+775 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 89

Sheet No.

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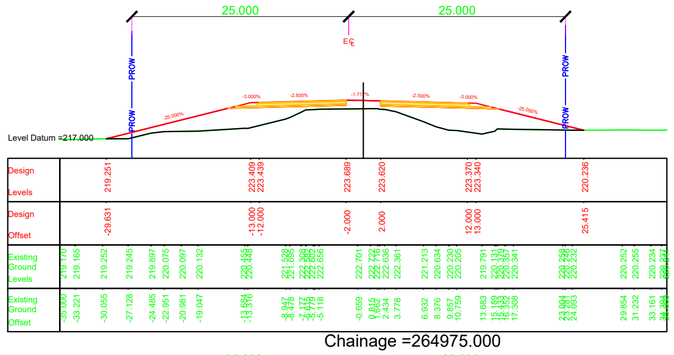


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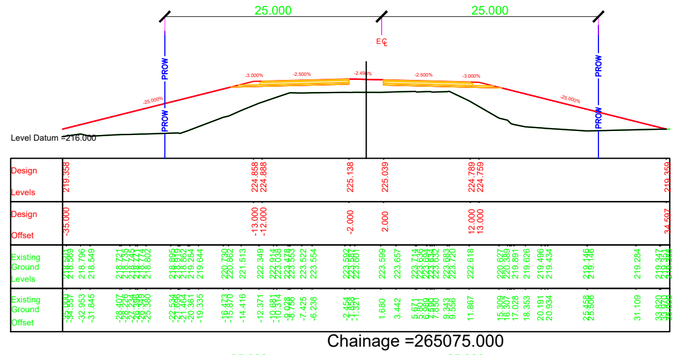


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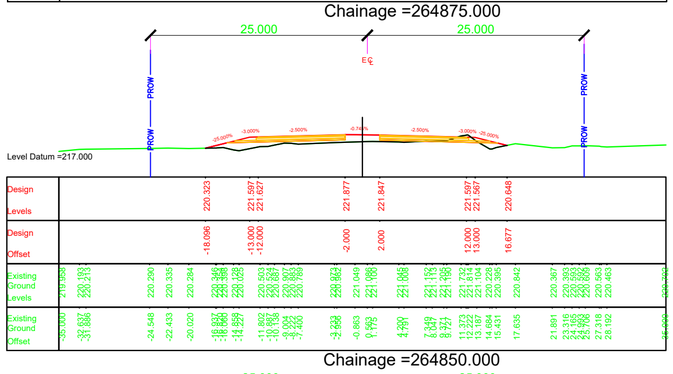


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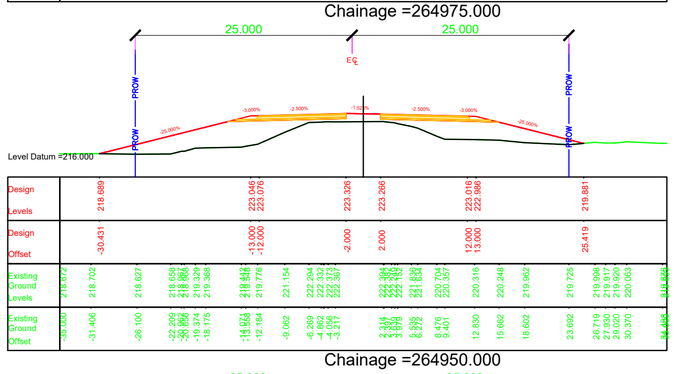


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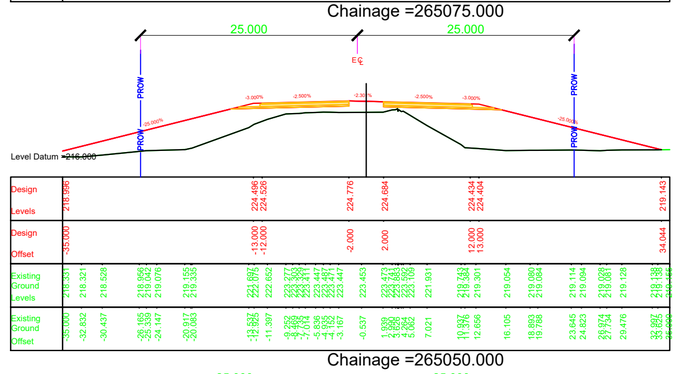


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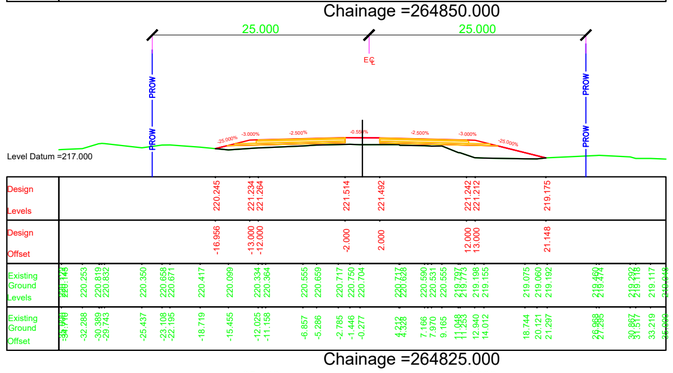


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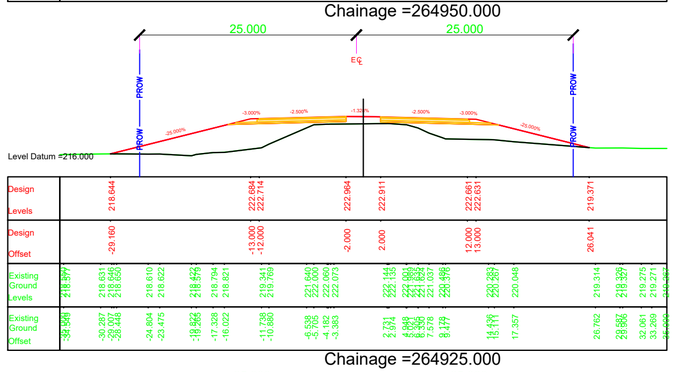


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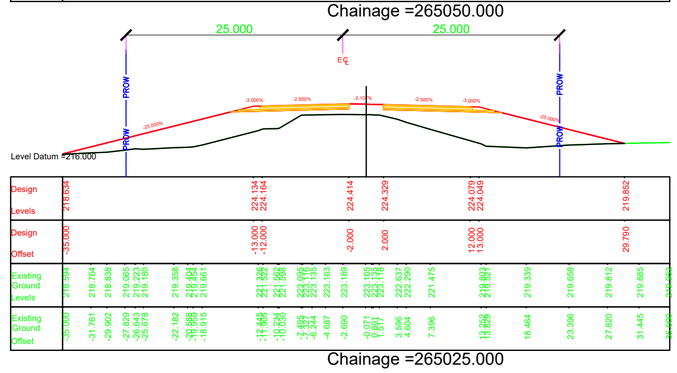


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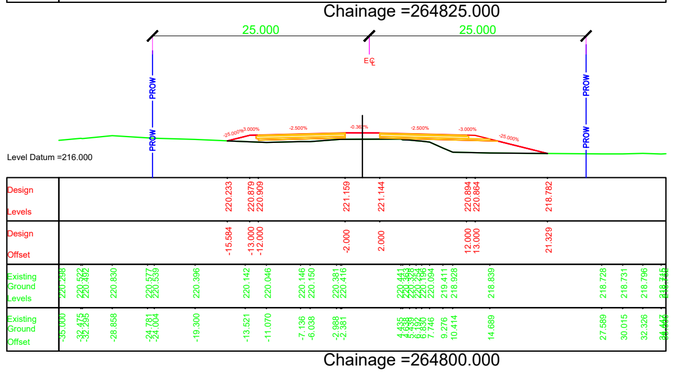


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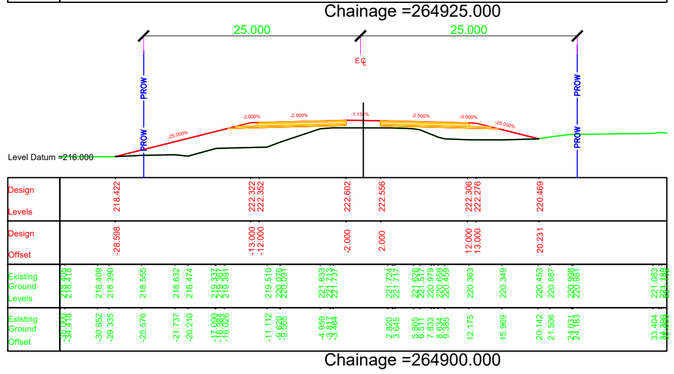


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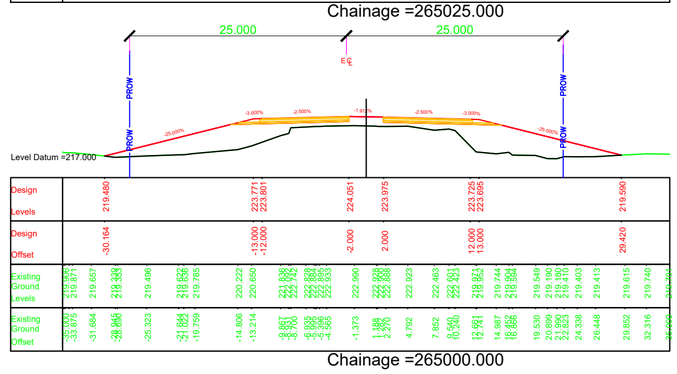
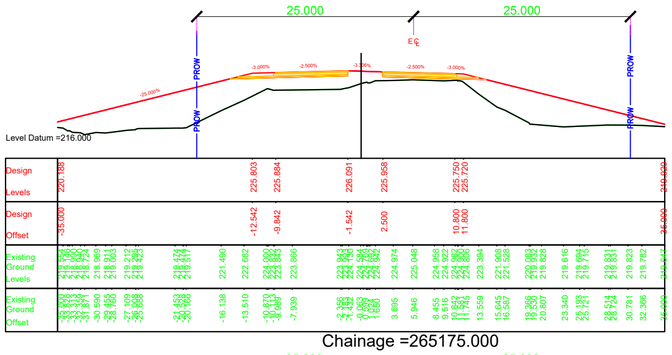



Chainage =265000.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 264+800 to Km 265+075<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 90 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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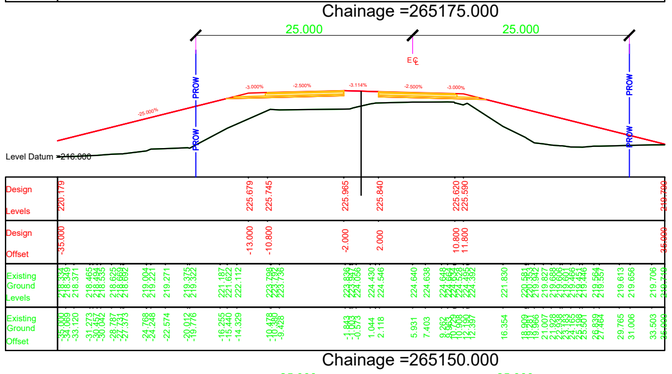


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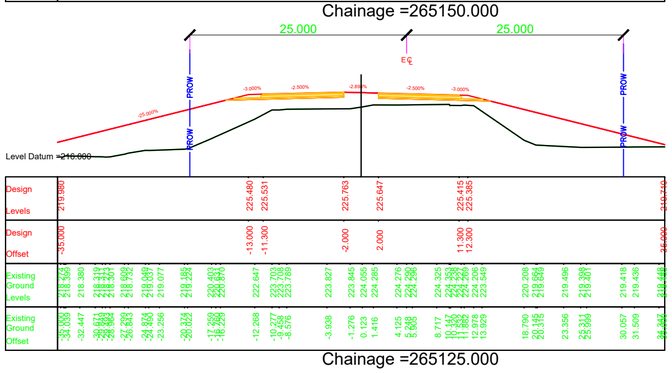


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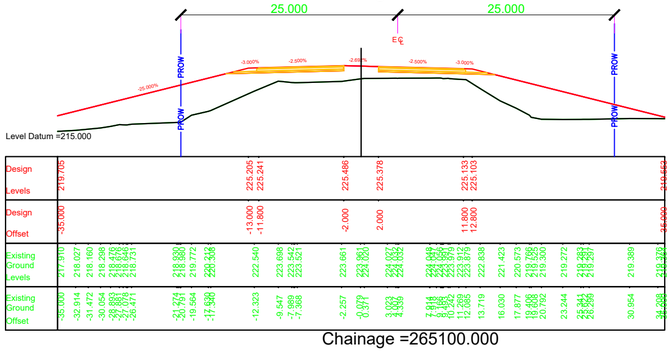


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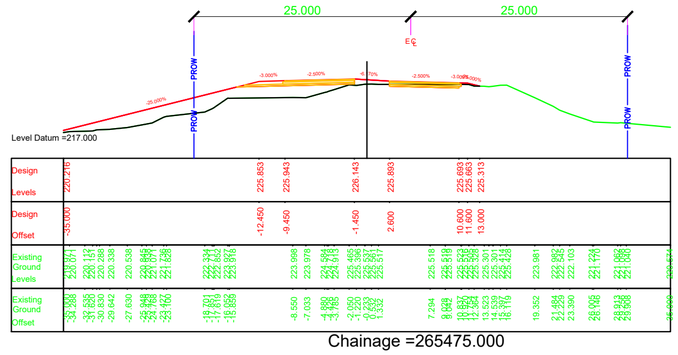
# BRIDGE LOCATION

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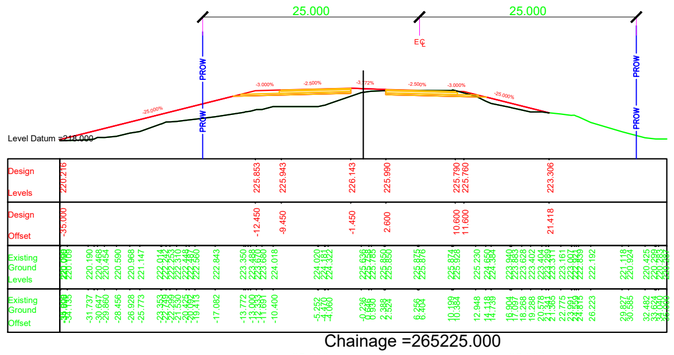


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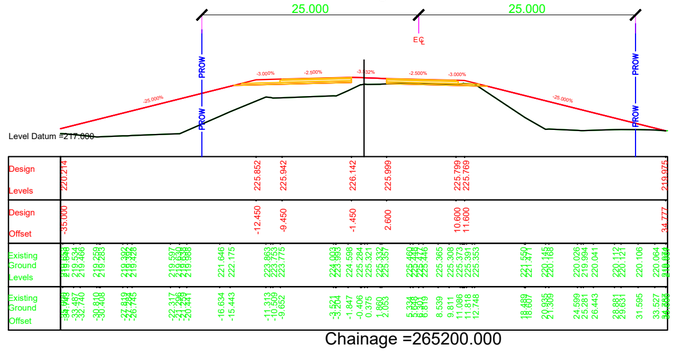


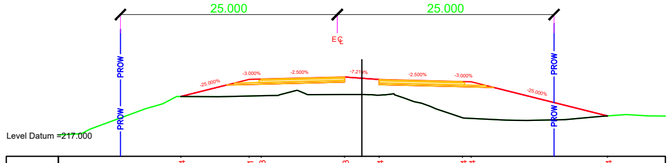

Chainage =265200.000

# BRIDGE LOCATION

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 265+100 to Km 265+475 |
| | | | Approved By | Mr. Harikrishna Bhavsar Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 91<br>Sheet No. |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PROW
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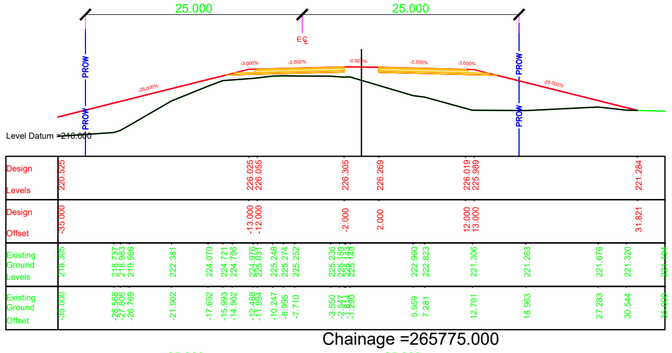
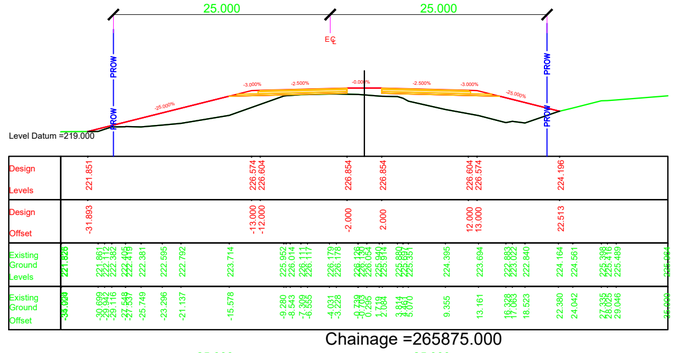
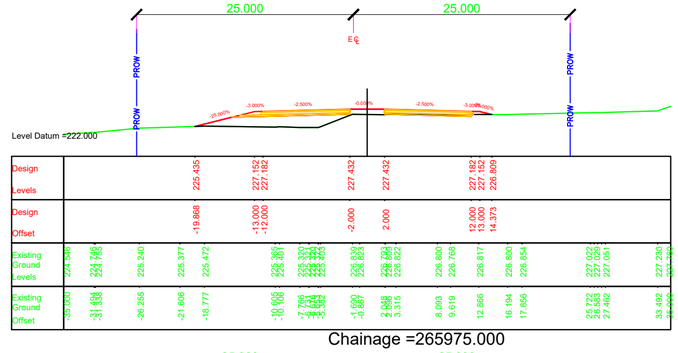
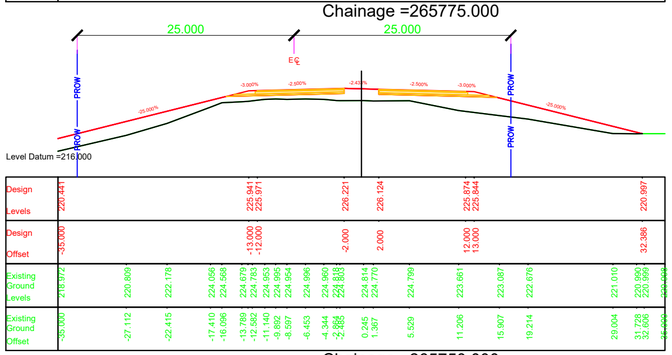
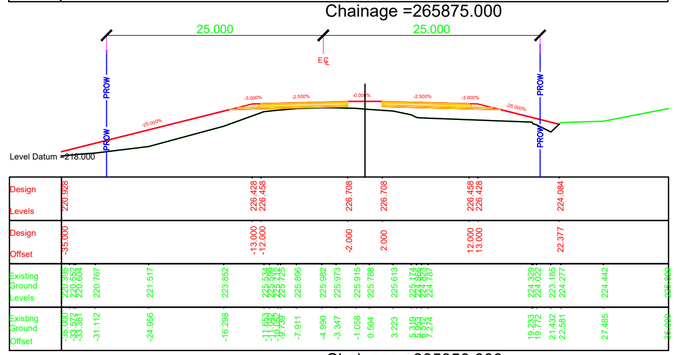
| | | |

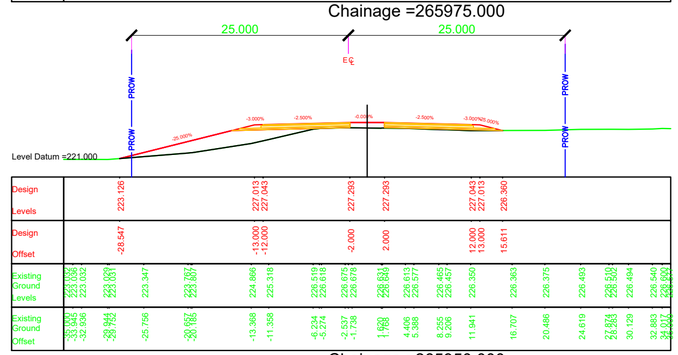


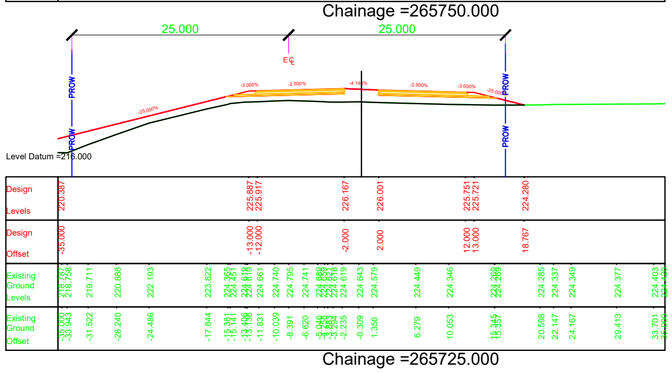



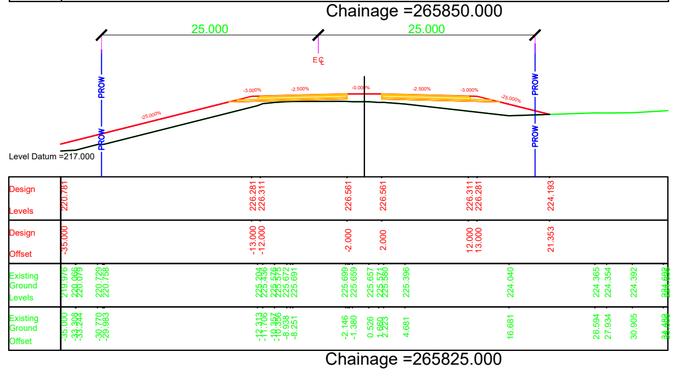



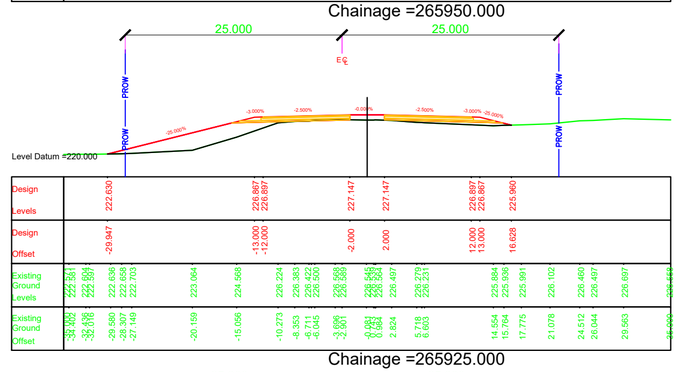



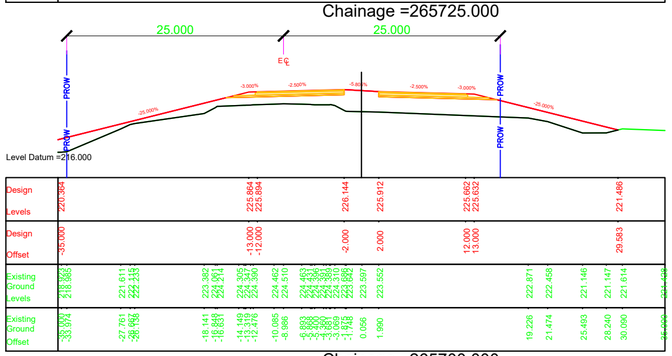



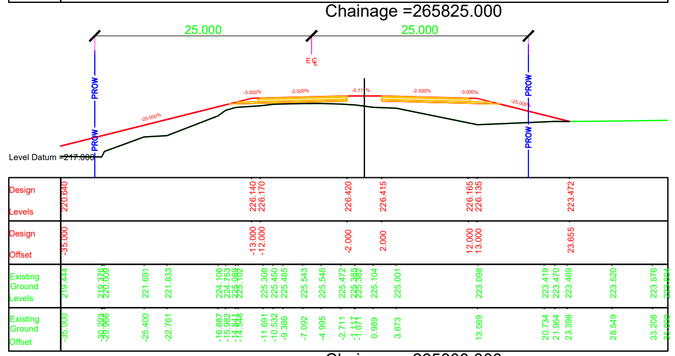



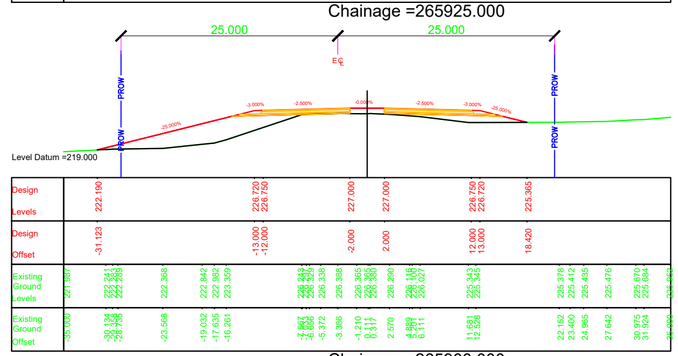




NOTES:

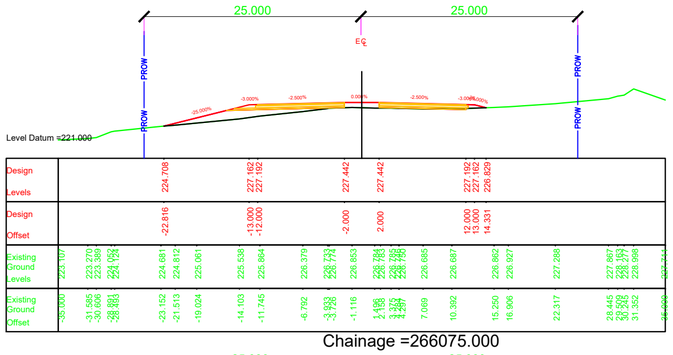
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkata, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 265+700 to Km 265+975 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 93

Sheet No.

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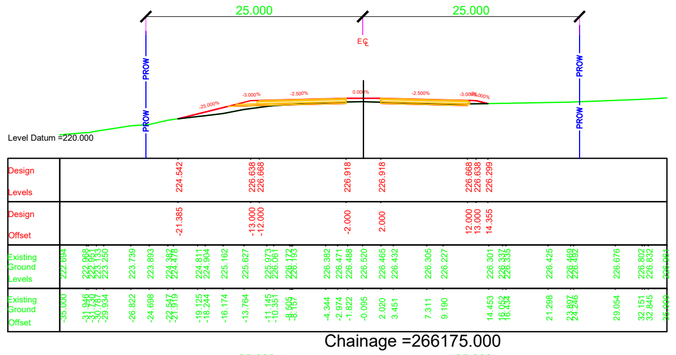


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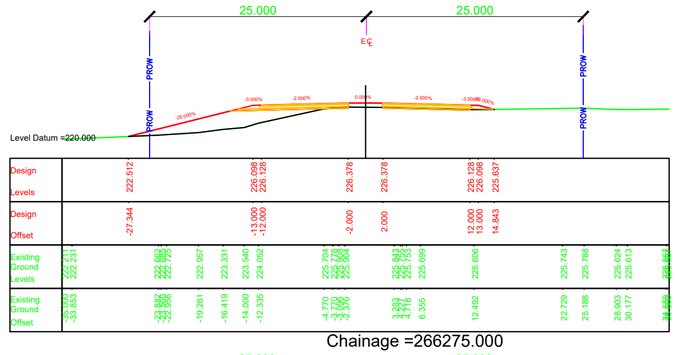


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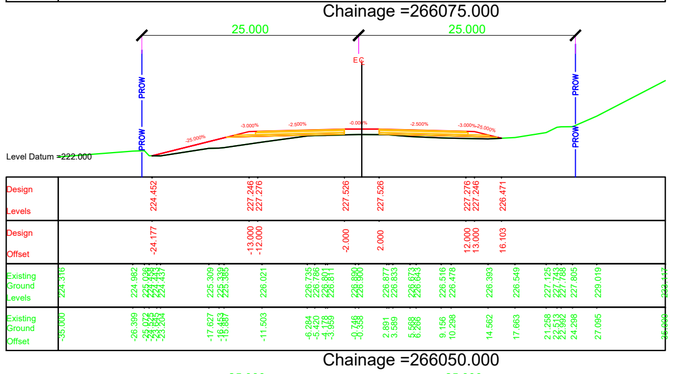


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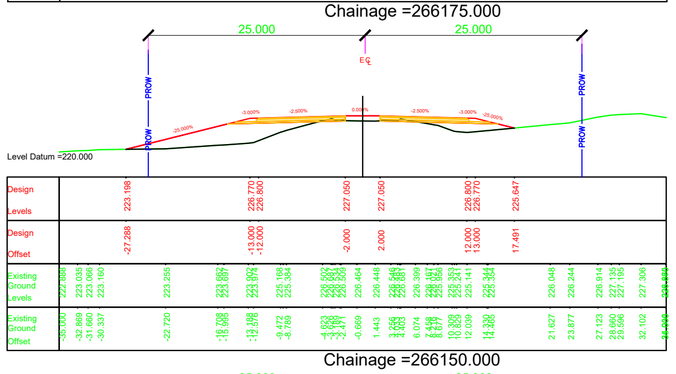


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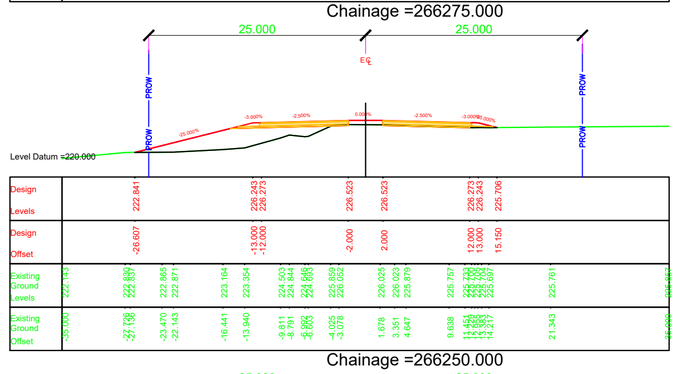


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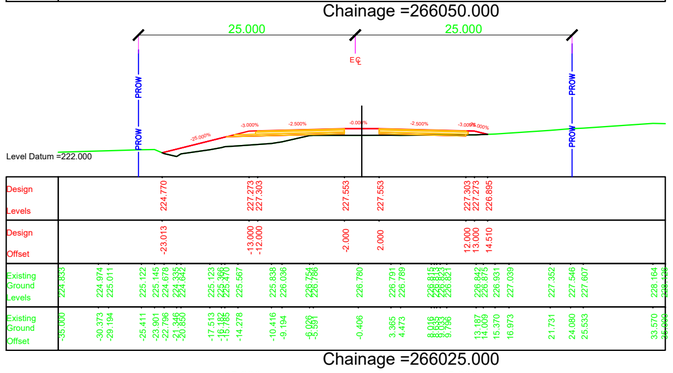


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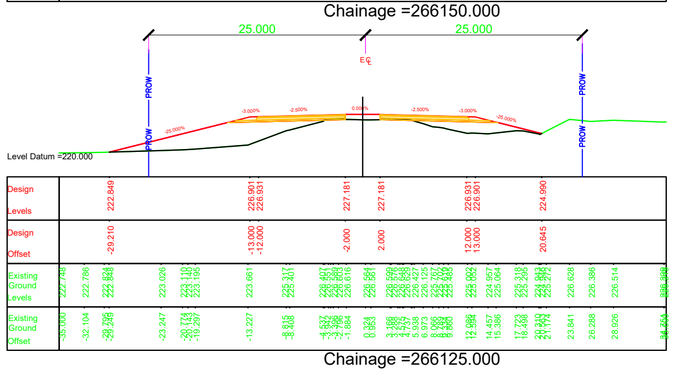


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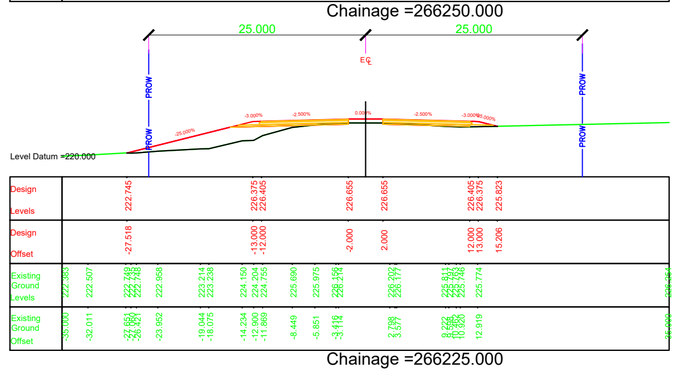


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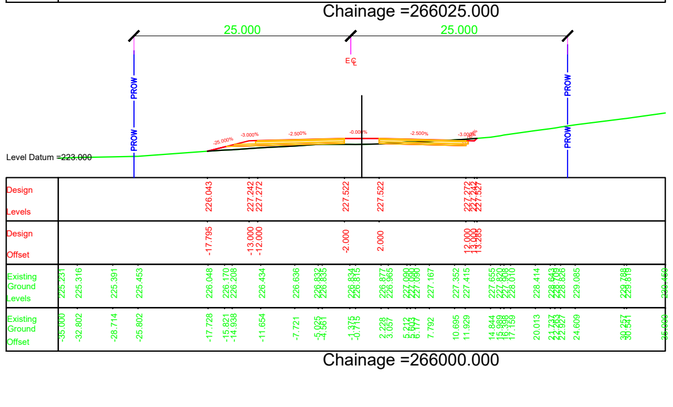


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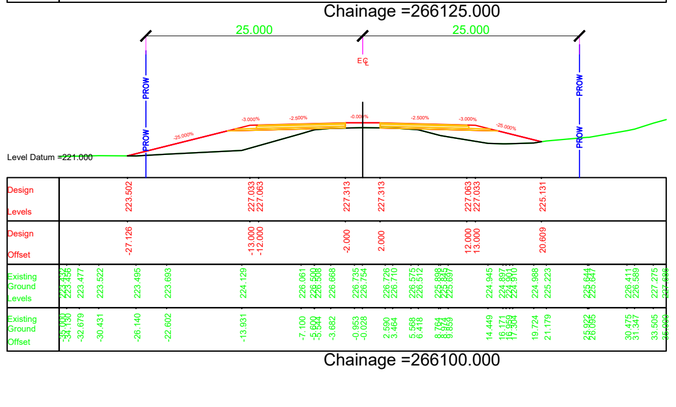


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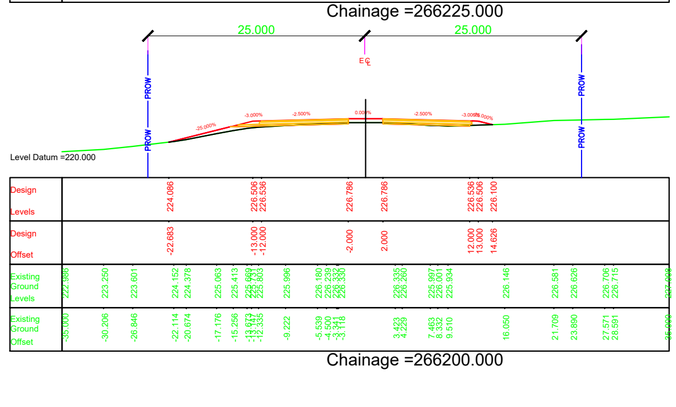



Chainage =266200.000

NOTES:

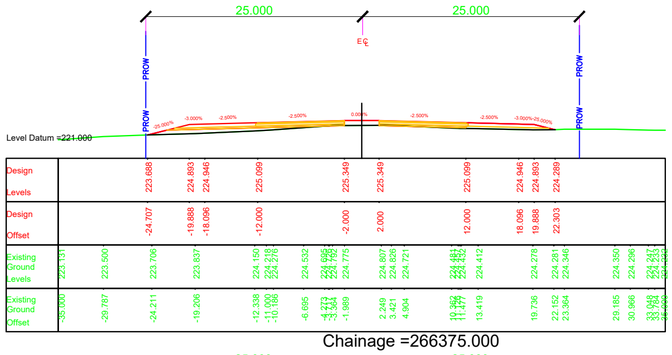
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 266+600 to Km 266+275 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 94

Sheet No.

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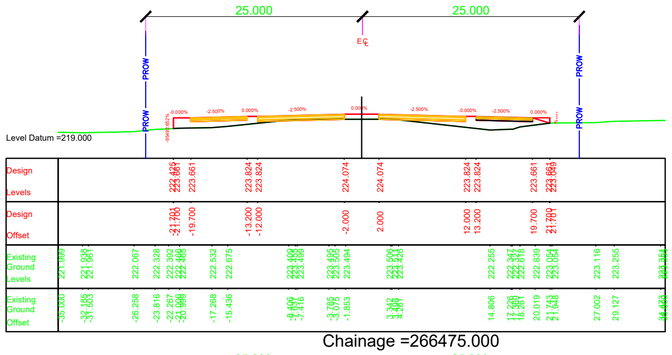


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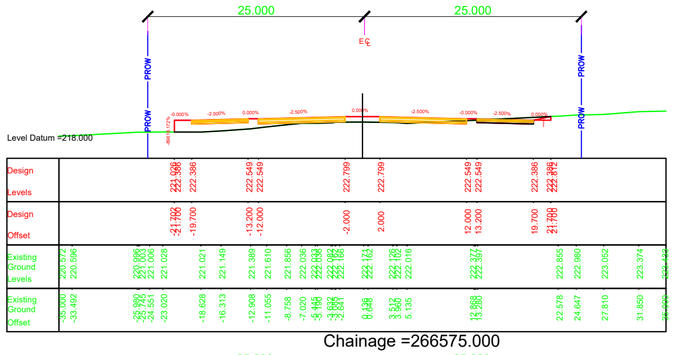


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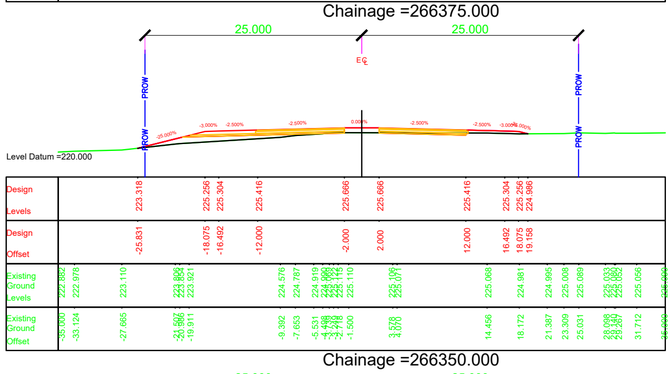


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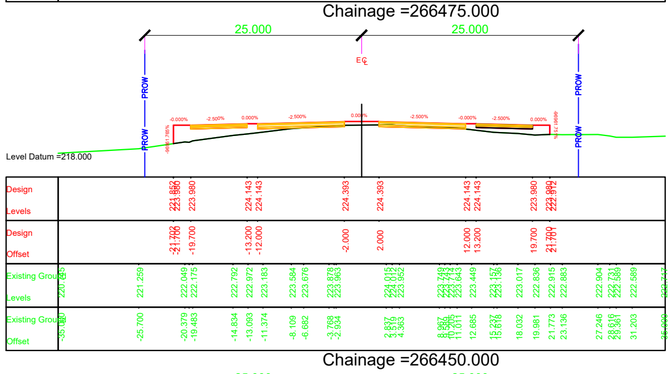


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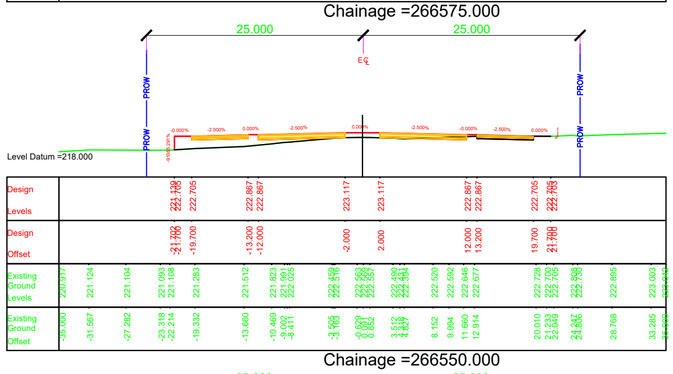


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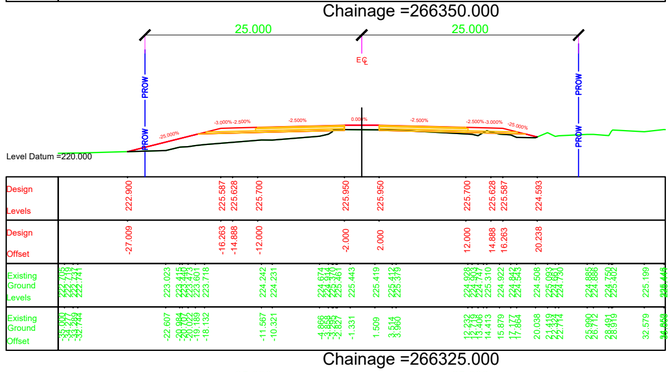


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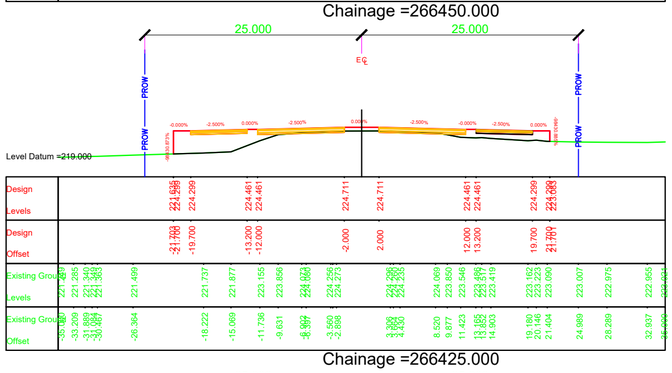


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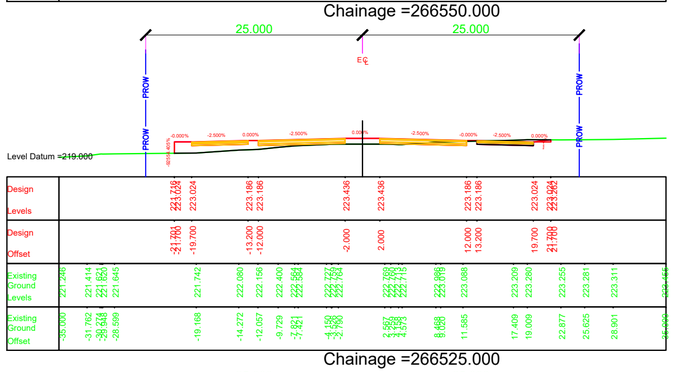


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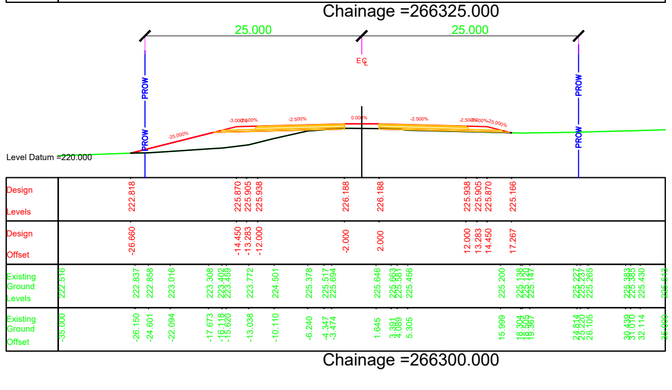


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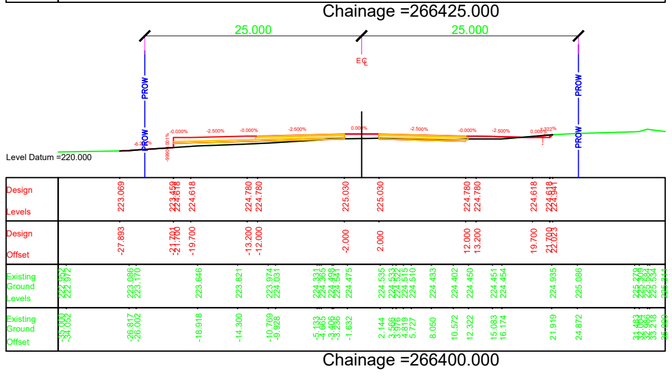


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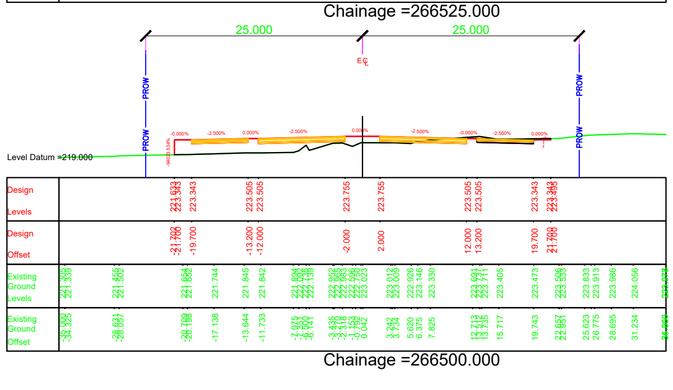
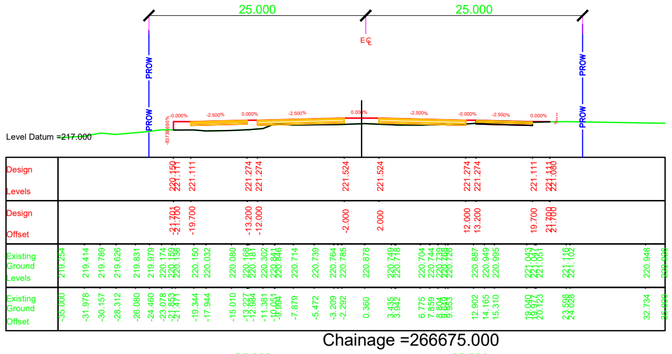



Chainage =266500.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 266+300 to Km 266+575 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 95 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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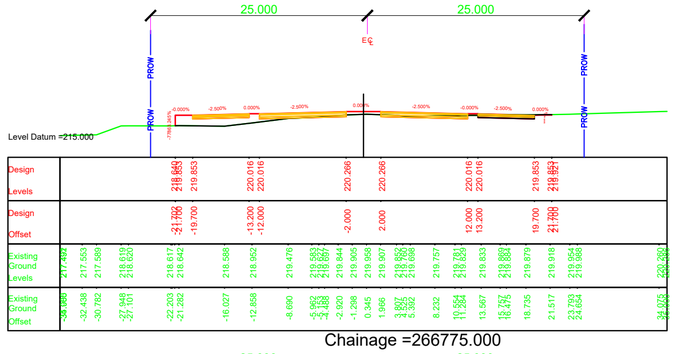


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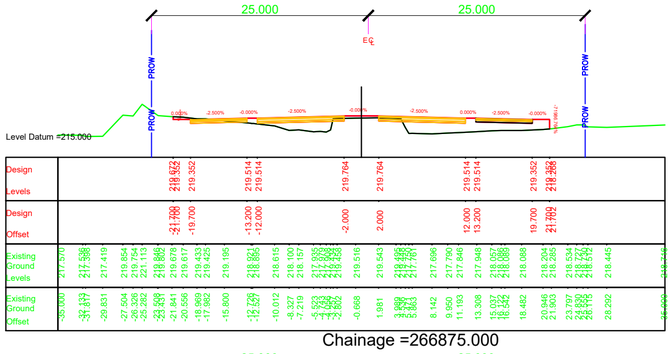


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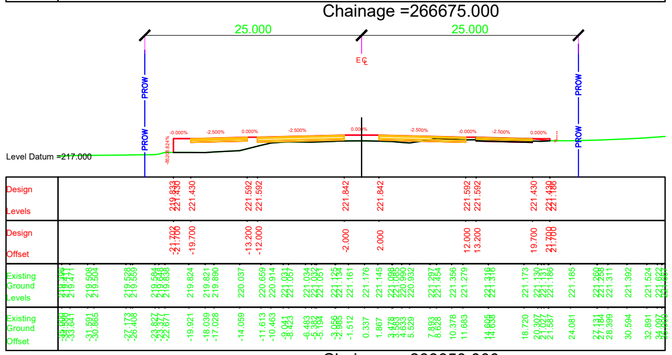


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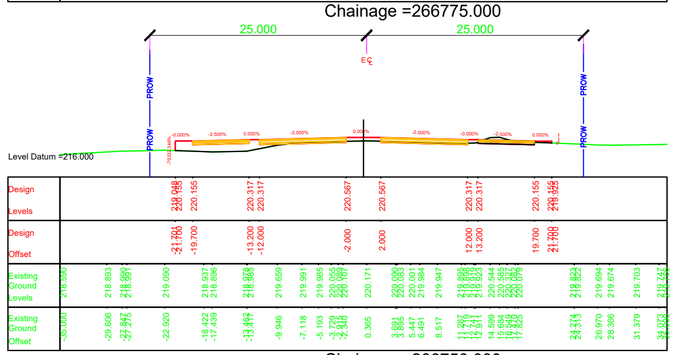


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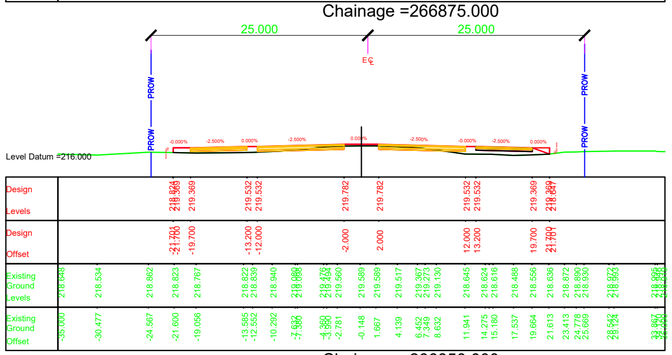


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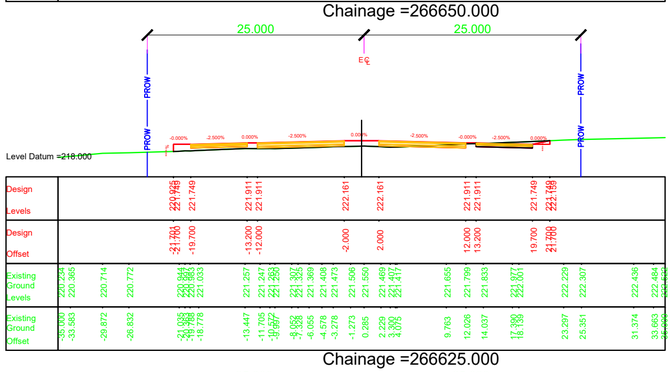


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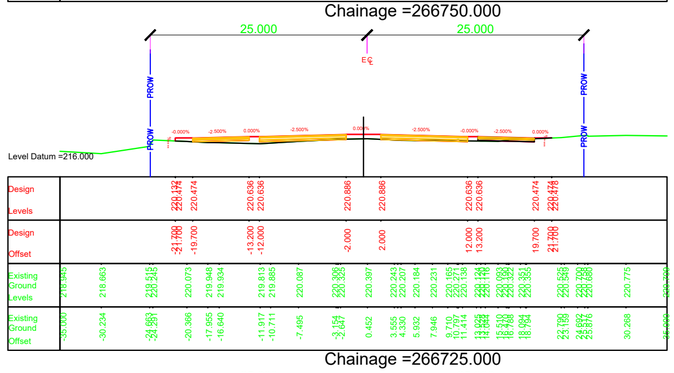


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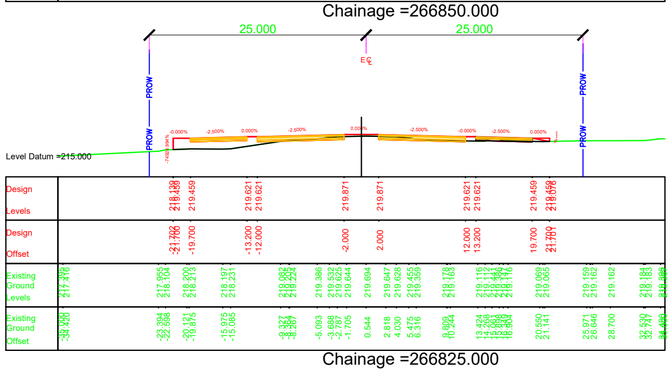


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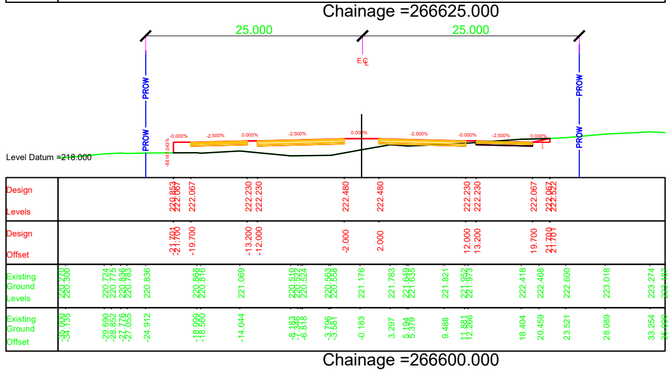


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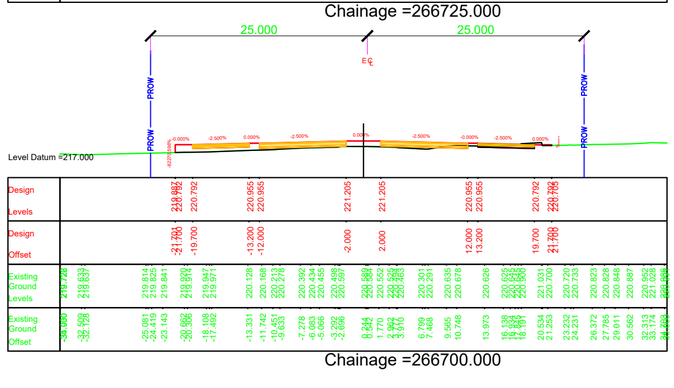


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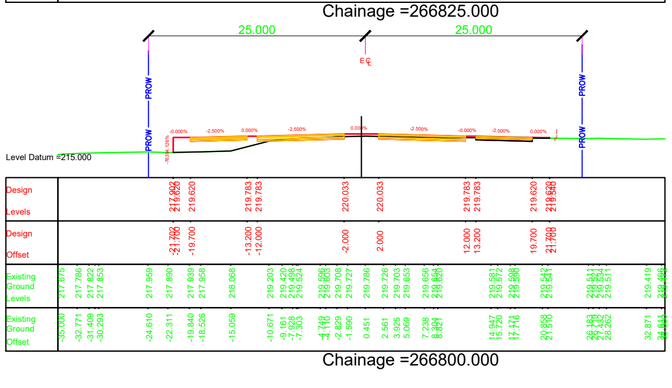



Chainage =266800.000

NOTES:

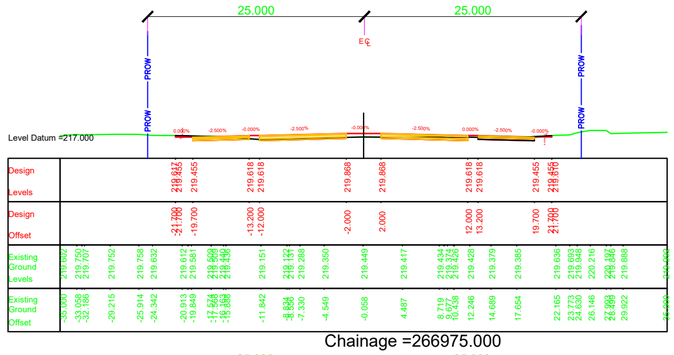
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 266+600 to Km 266+875 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 96

Sheet No.

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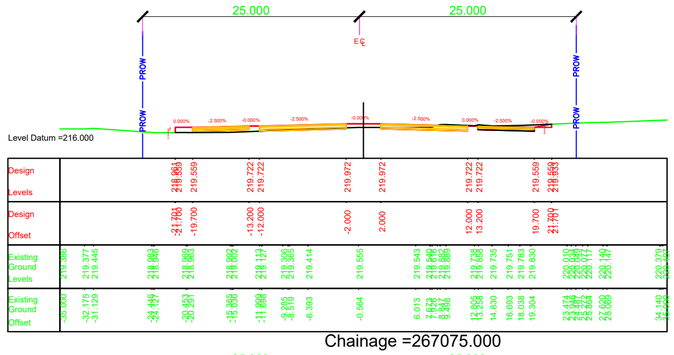


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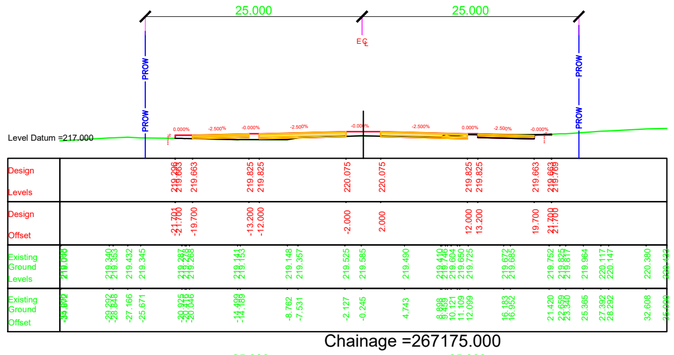


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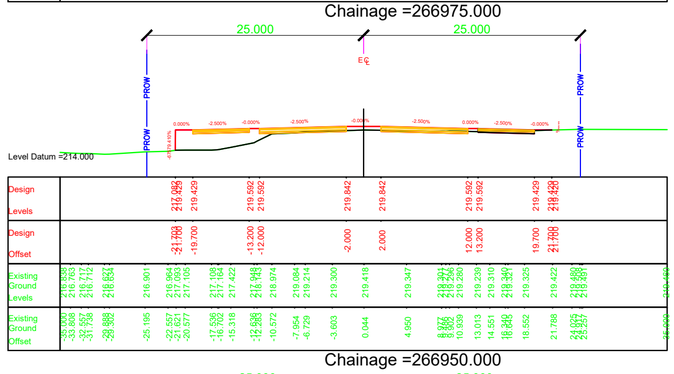
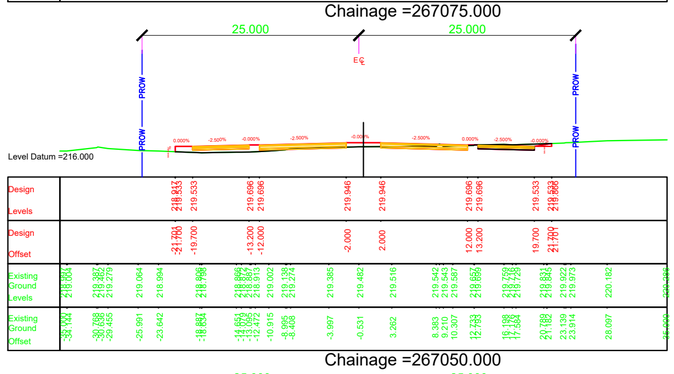



Chainage =266950.000

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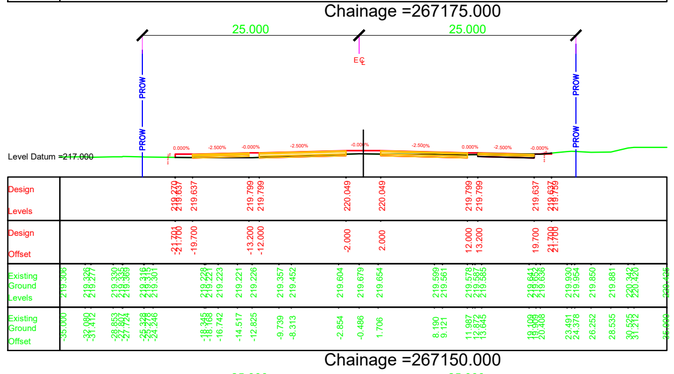


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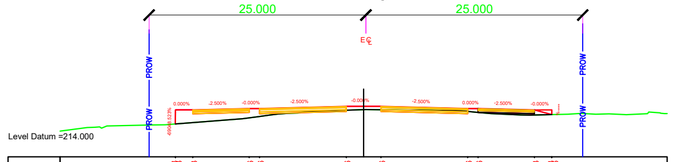


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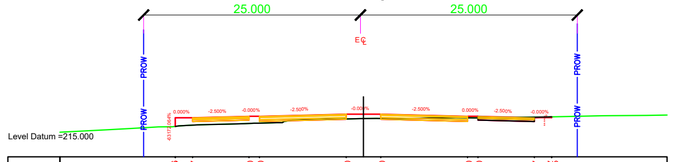


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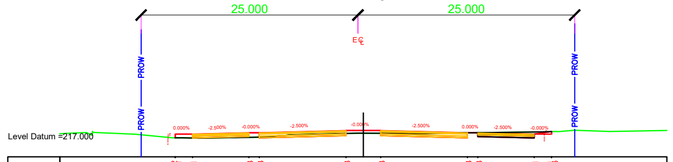


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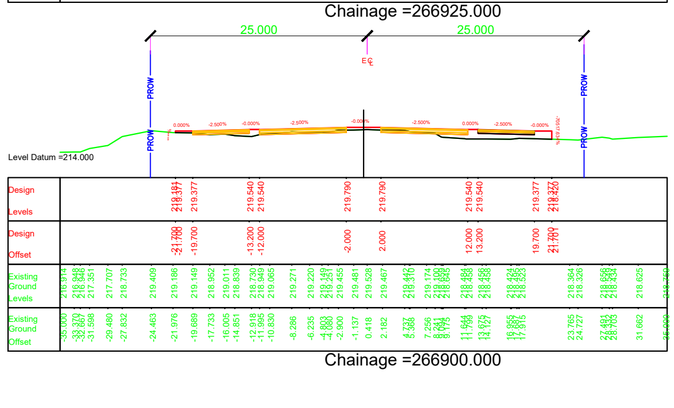


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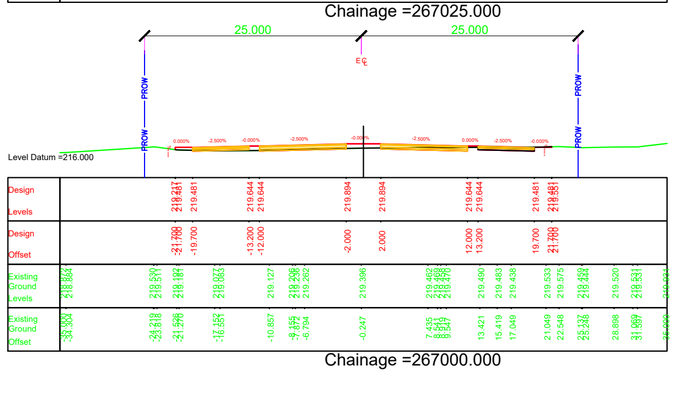


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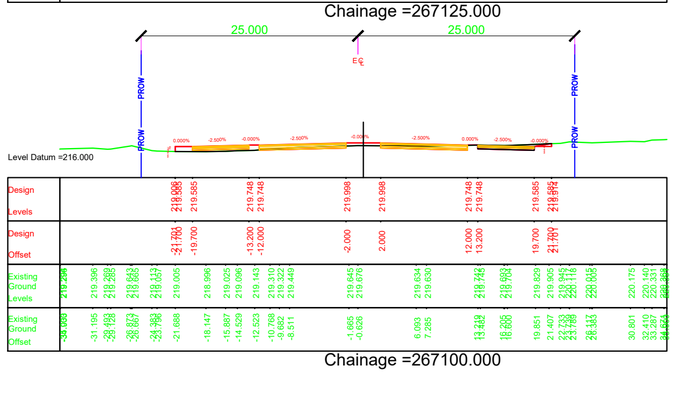



Chainage =267100.000

NOTES:

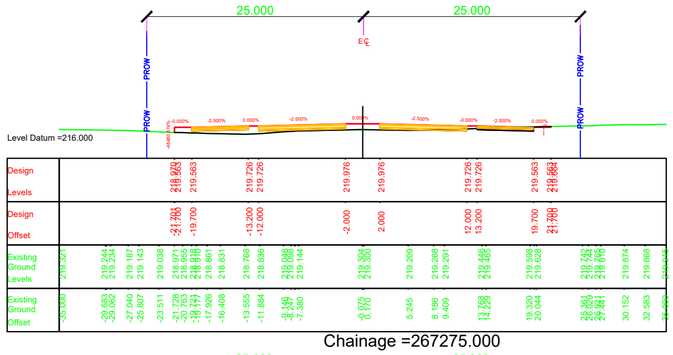
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 266+900 to Km 267+175 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 97

Sheet No.

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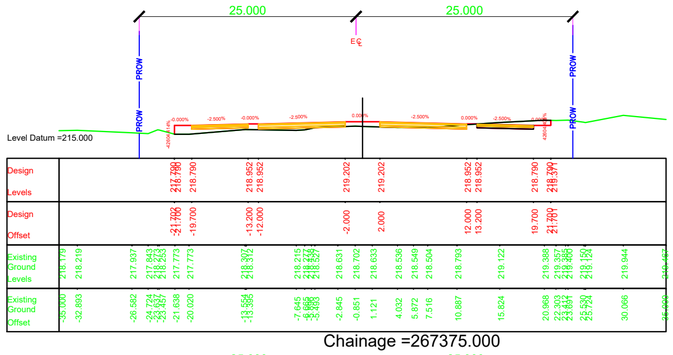


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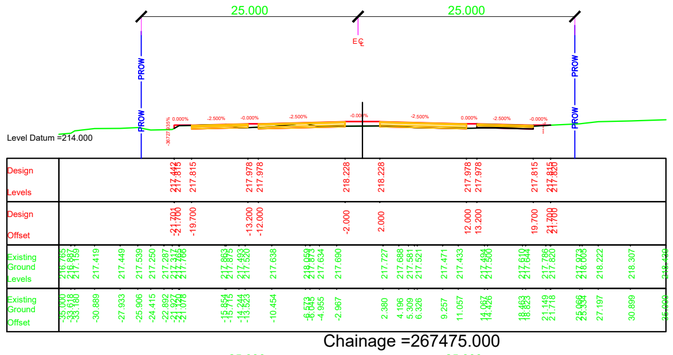


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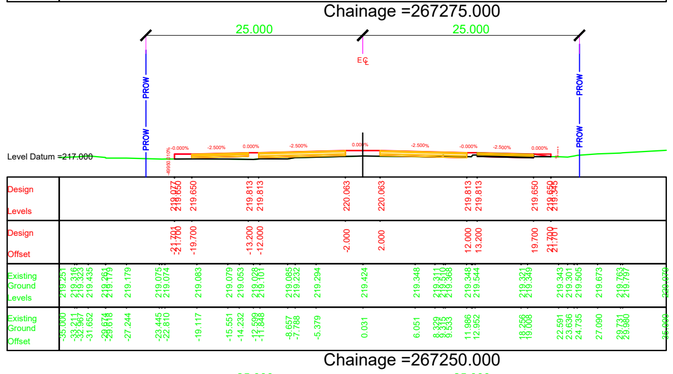


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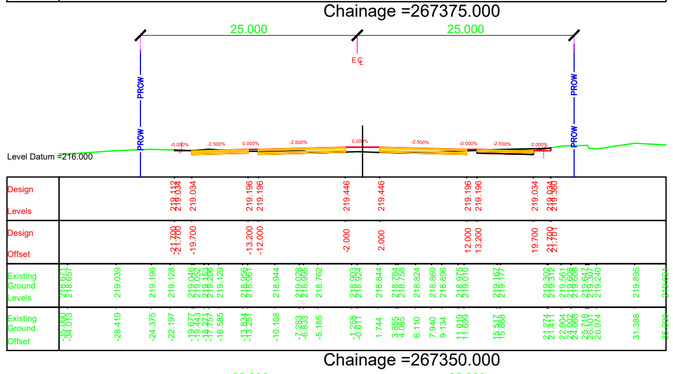


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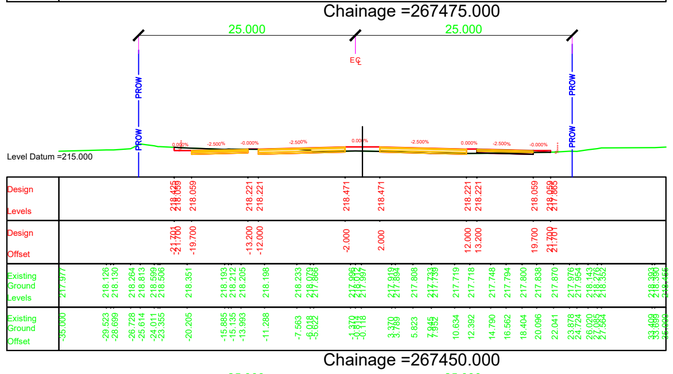


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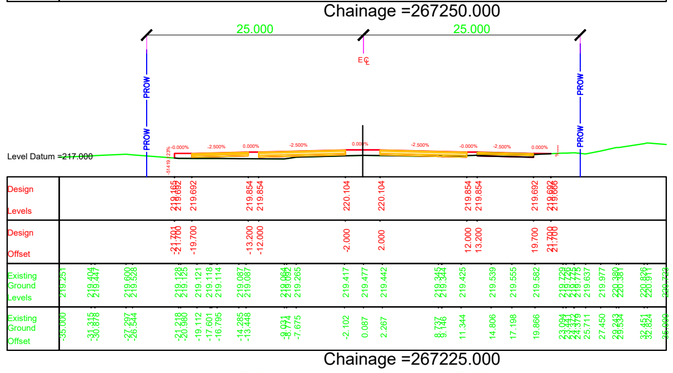


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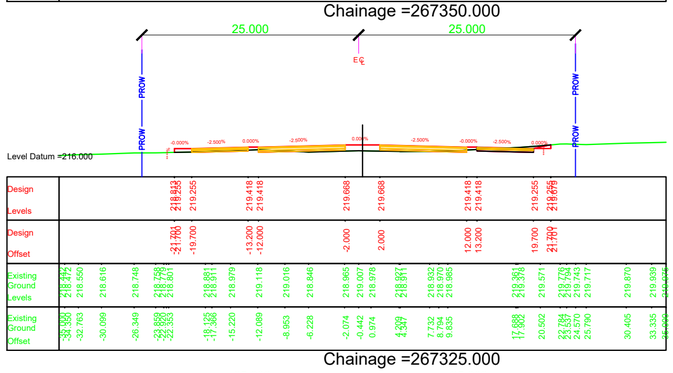


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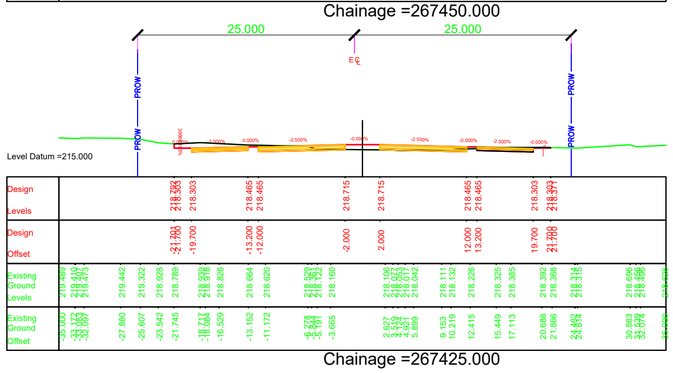


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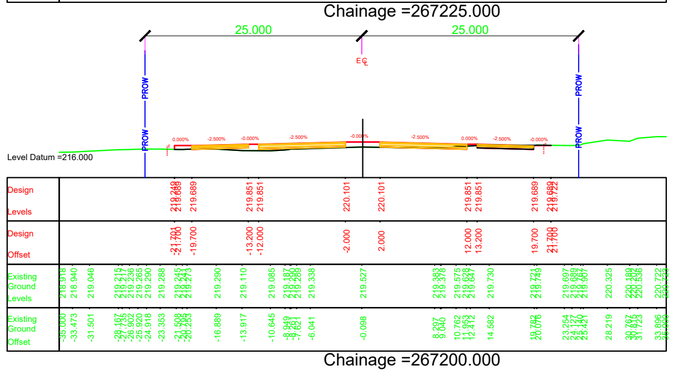


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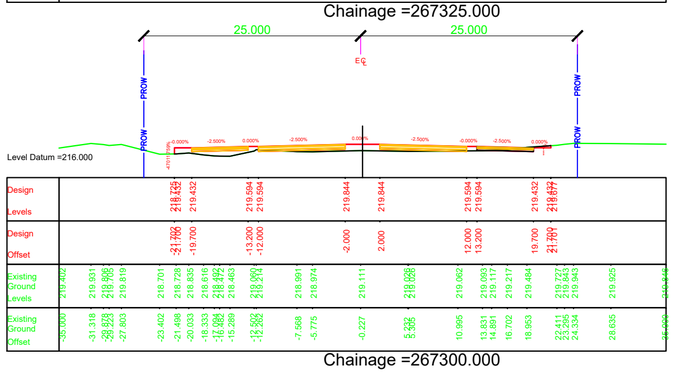


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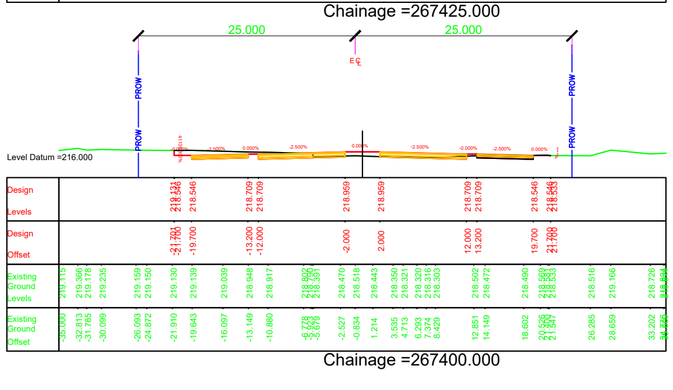



Chainage =267400.000

NOTES:

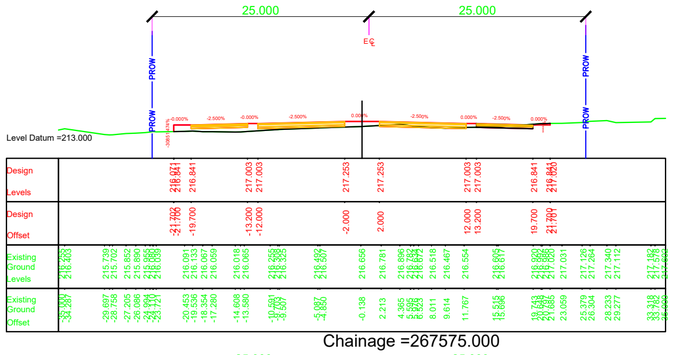
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 267+200 to Km 267+475 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 98

Sheet No.

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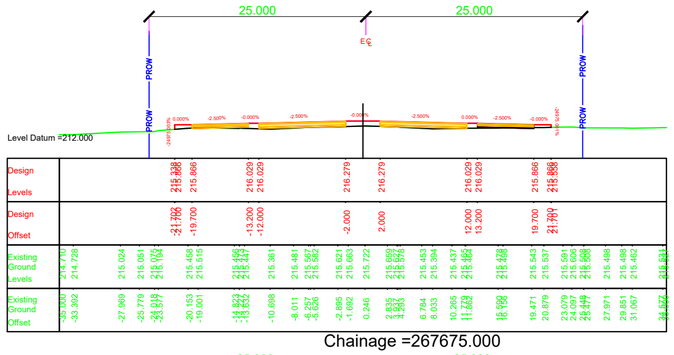


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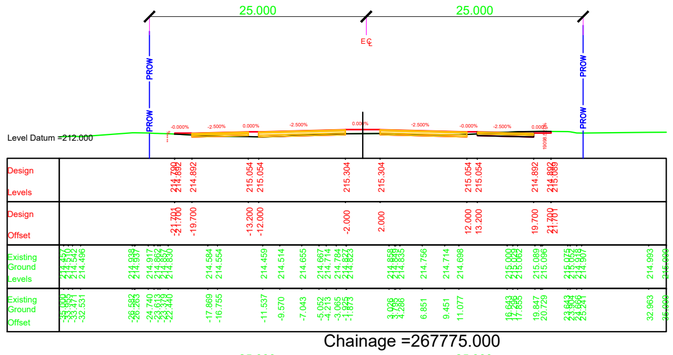


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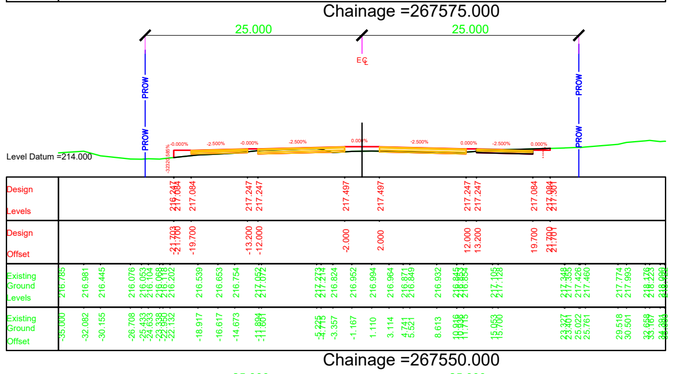


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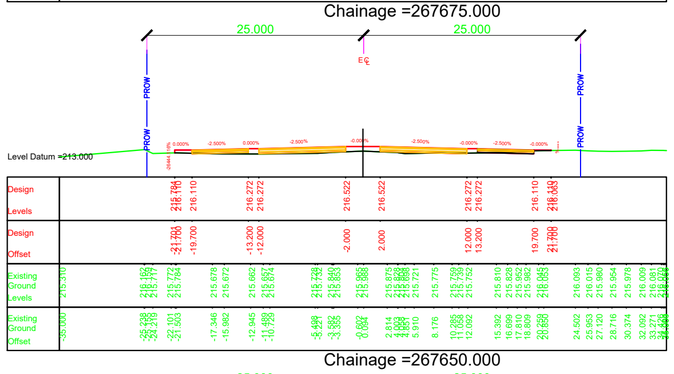


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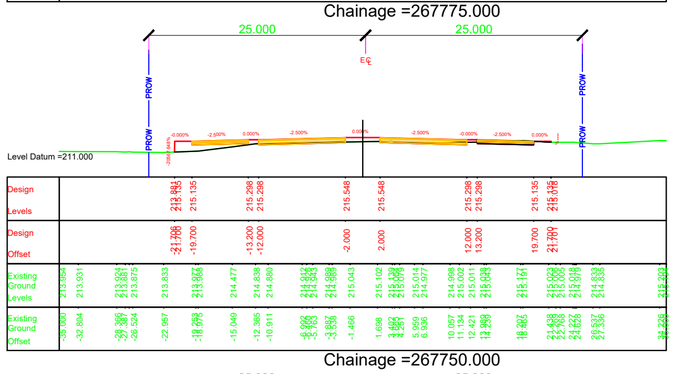


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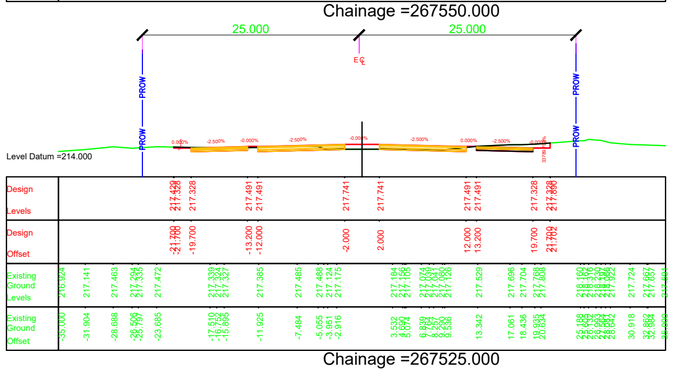


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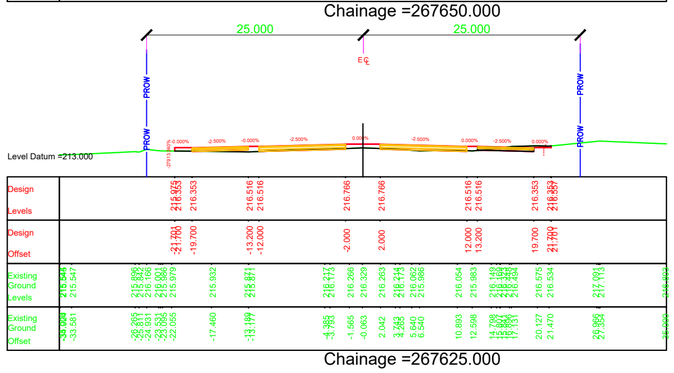


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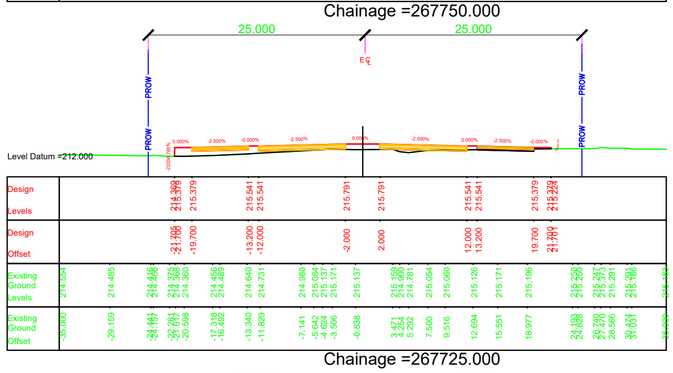


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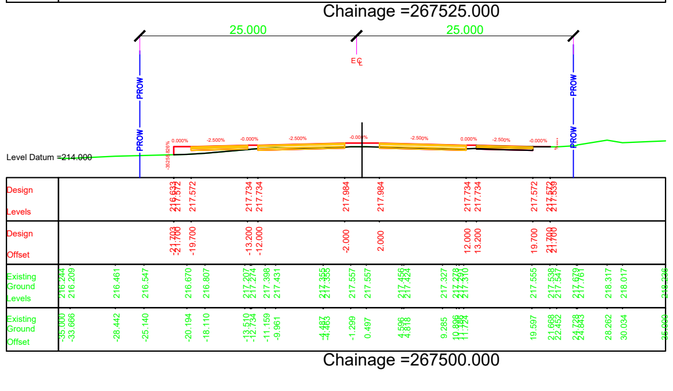


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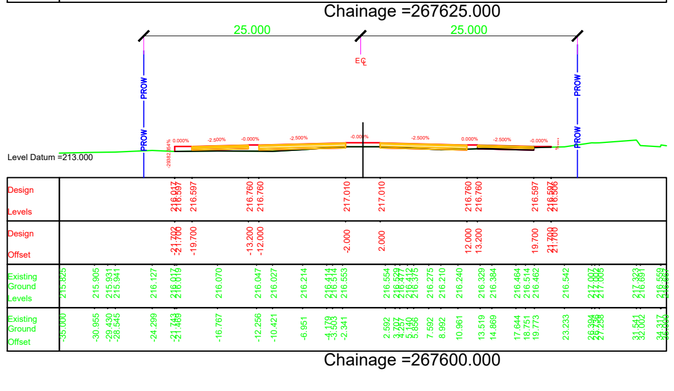


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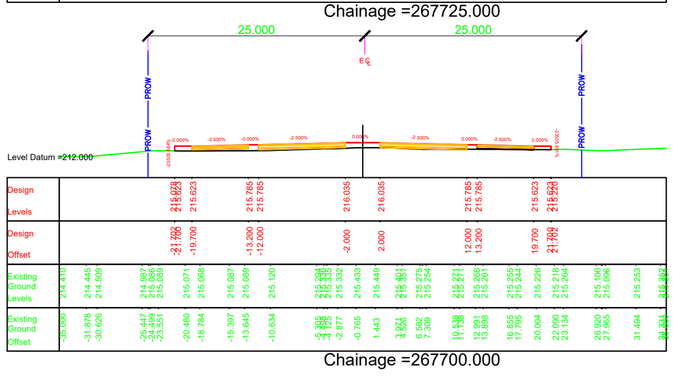



Chainage =267700.000

NOTES:

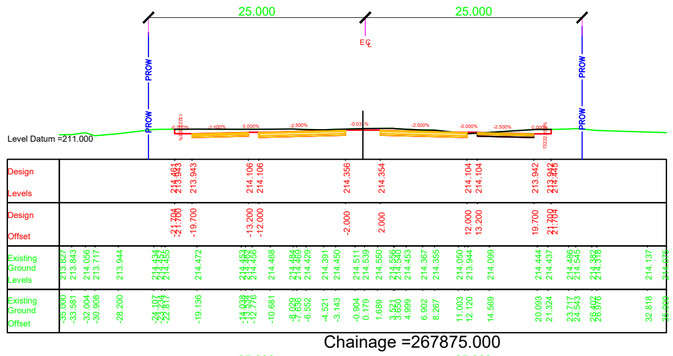
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 267+500 to Km 267+775 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 99

Sheet No.

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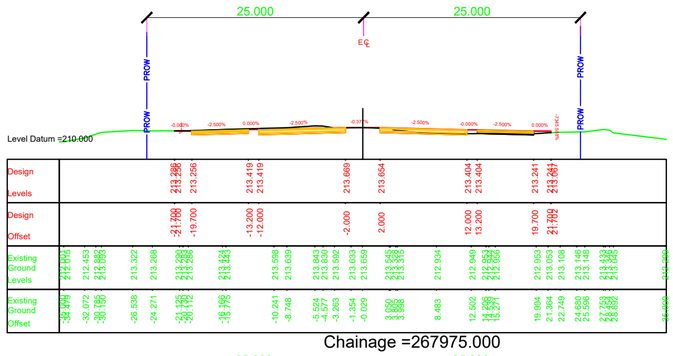


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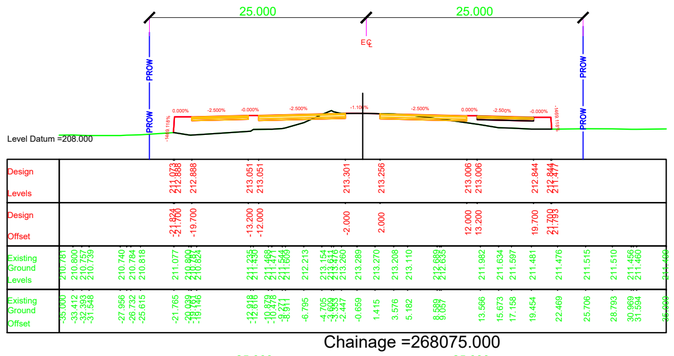


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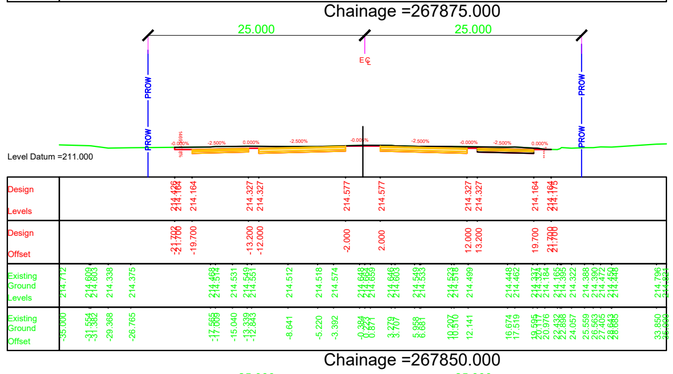


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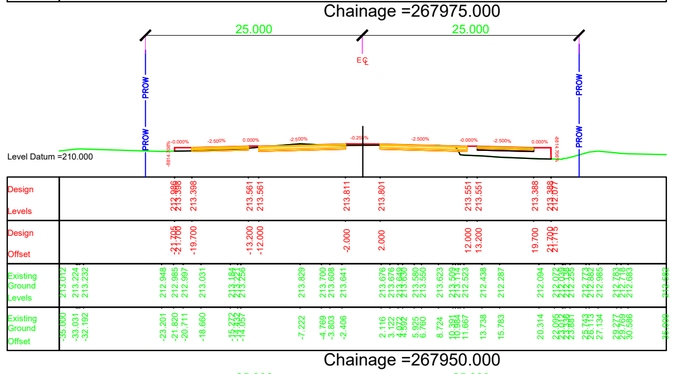


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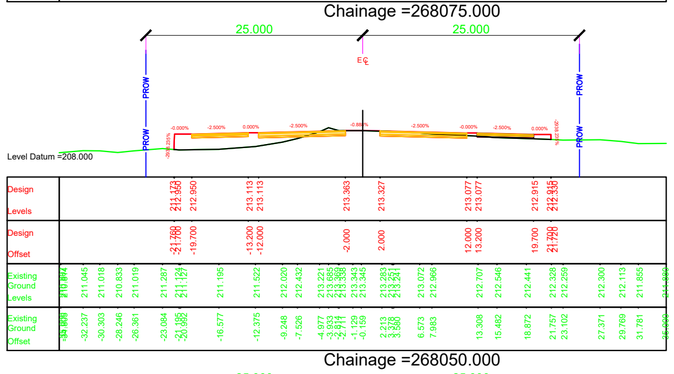


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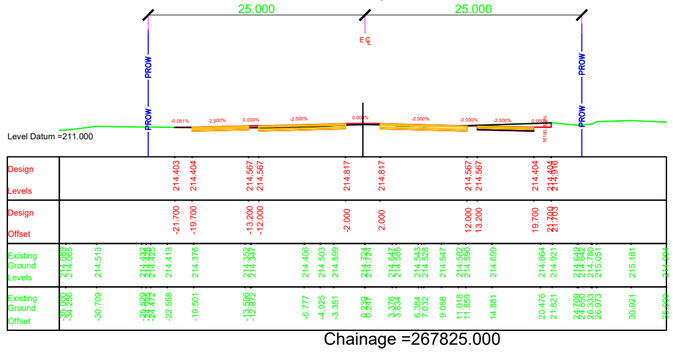


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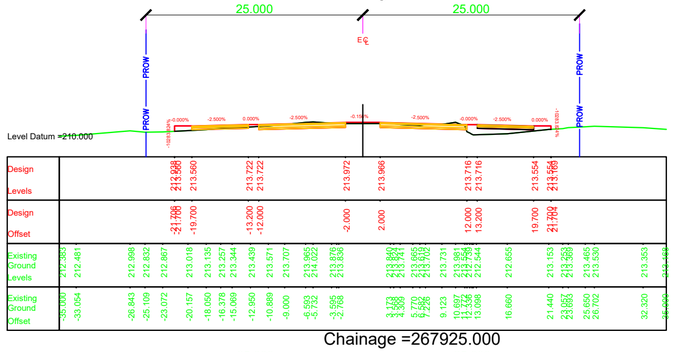


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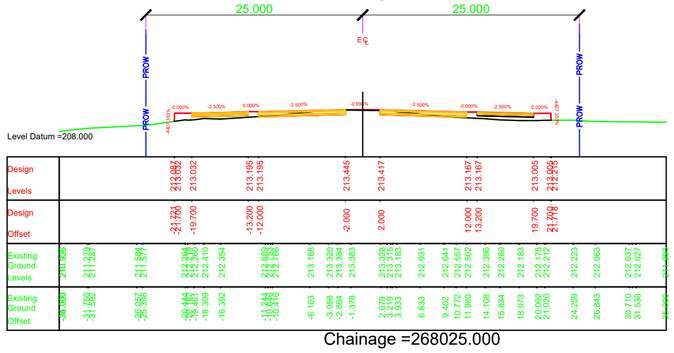


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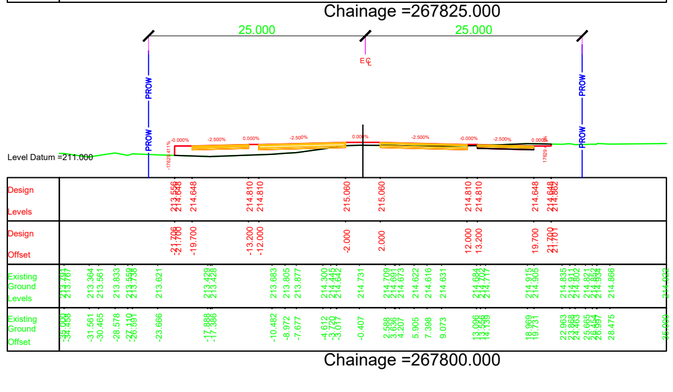


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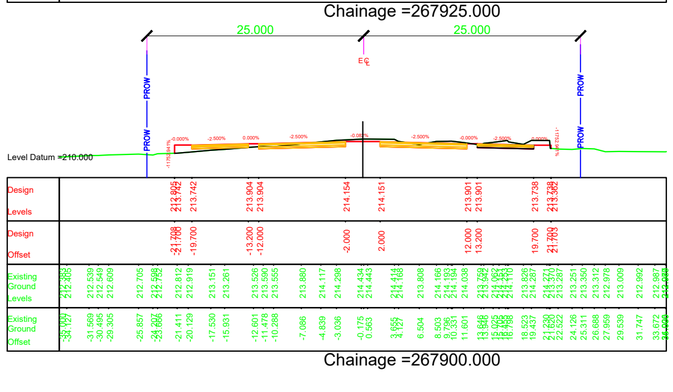


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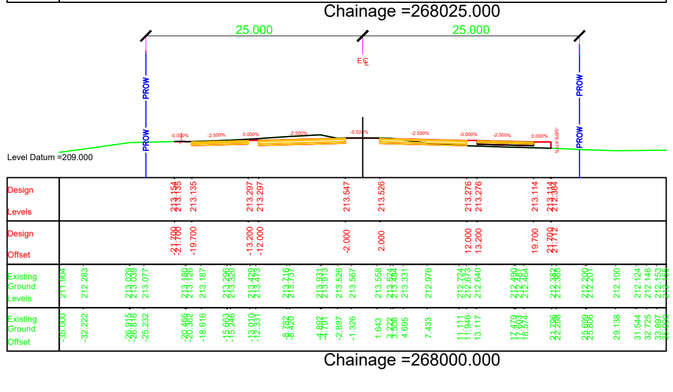



Chainage =268000.000

NOTES:

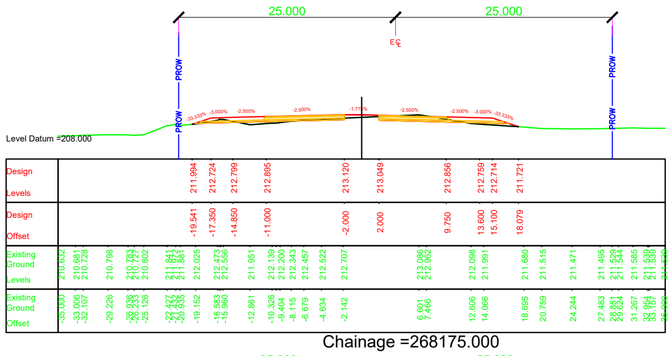
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 267+800 to Km 268+075 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 100

Sheet No.




# BRIDGE LOCATION

NOTES:

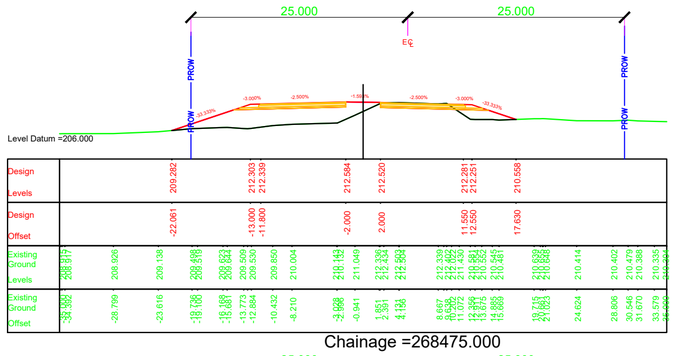
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 258+100 to Km 258+375 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 101

Sheet No.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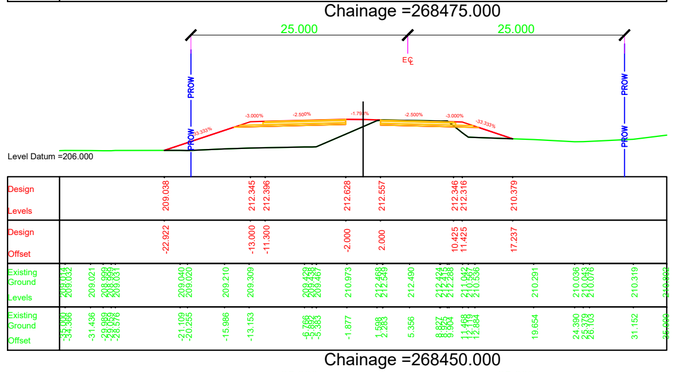
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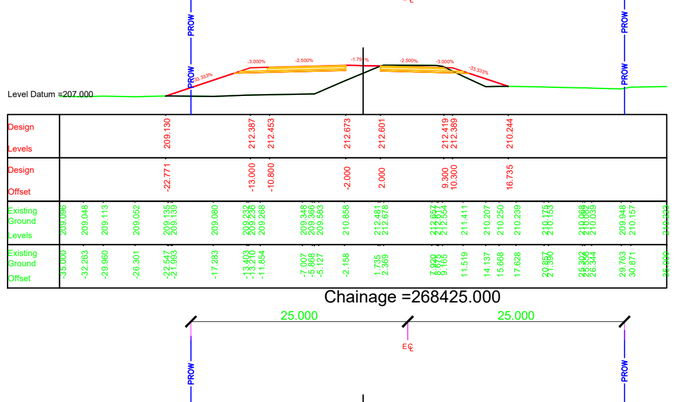
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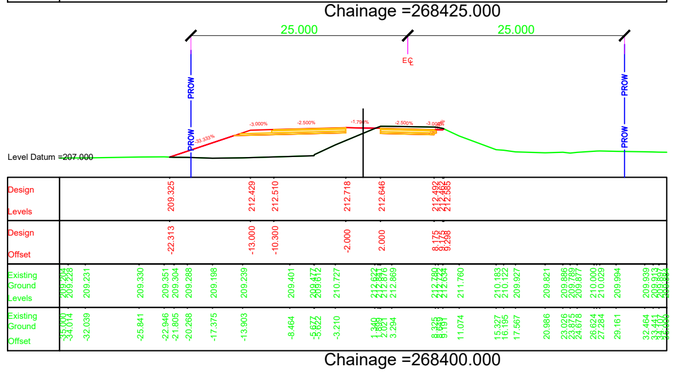
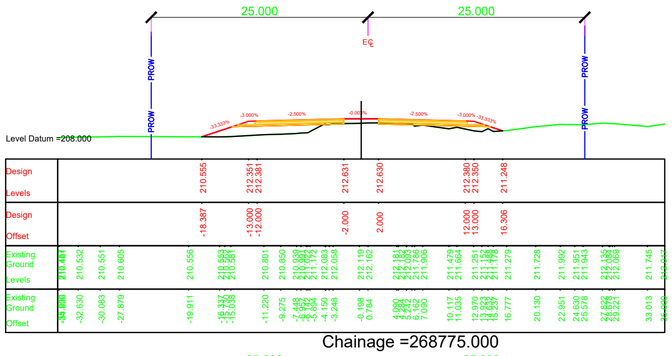



NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | |
|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION<br>Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS<br>Chainage: Km 258+400 to Km 268+675<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 102 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Sheet No. |

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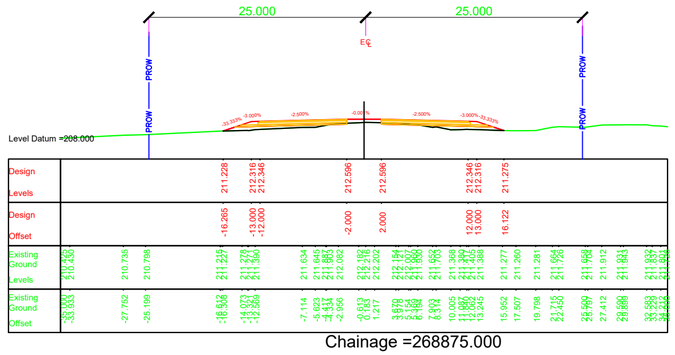


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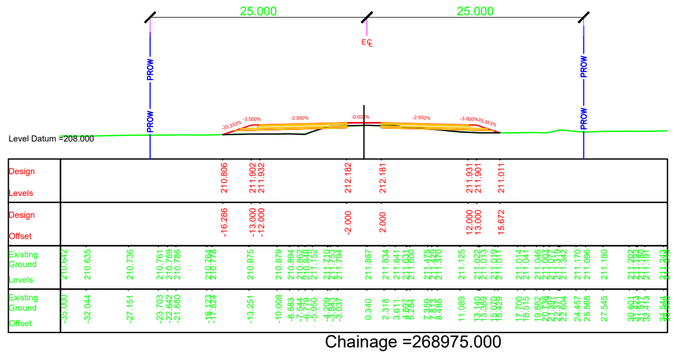


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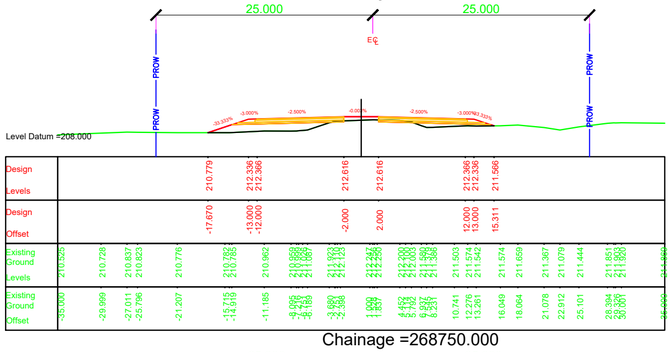


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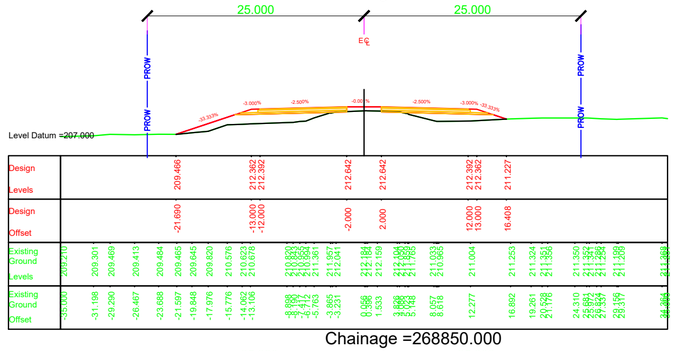


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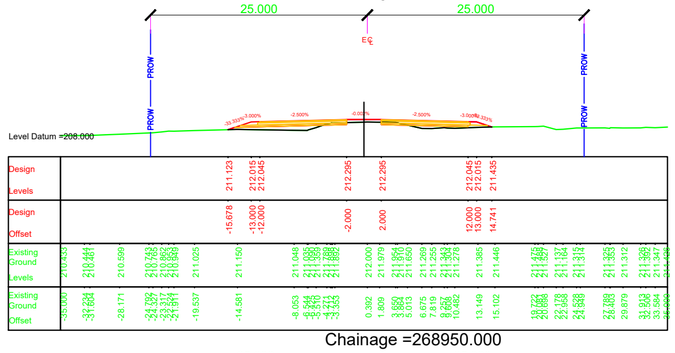


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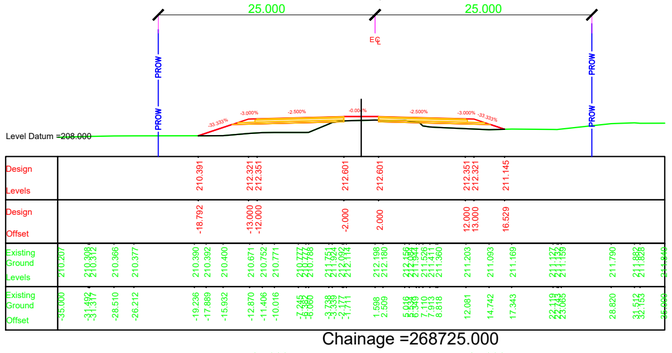


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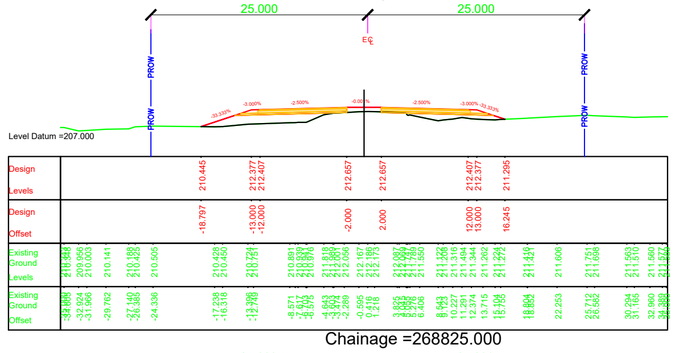


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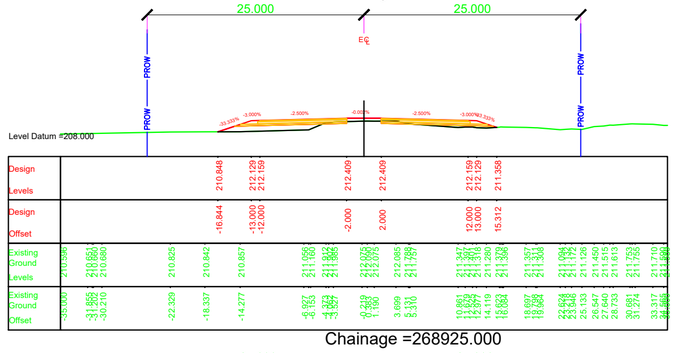


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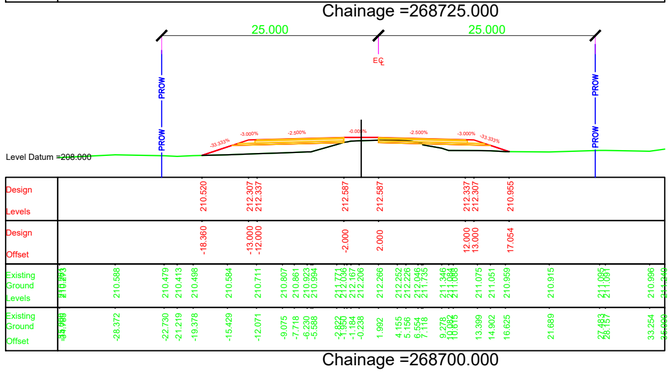


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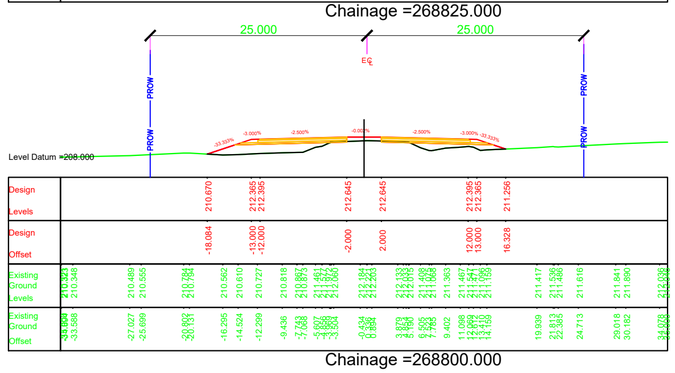


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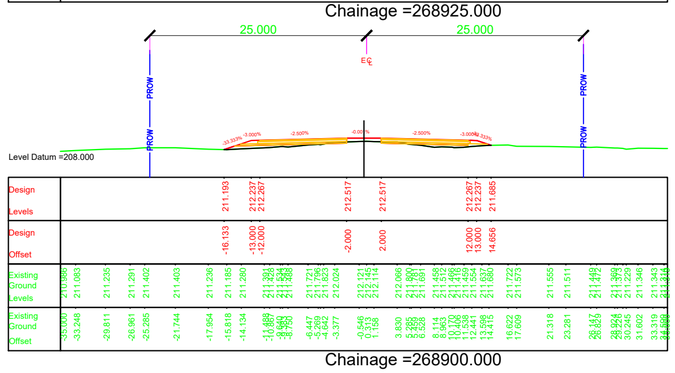
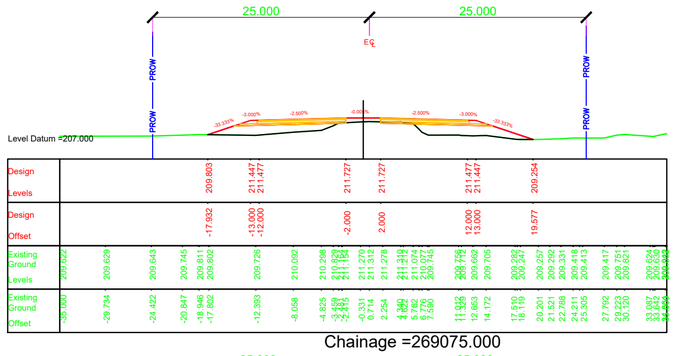


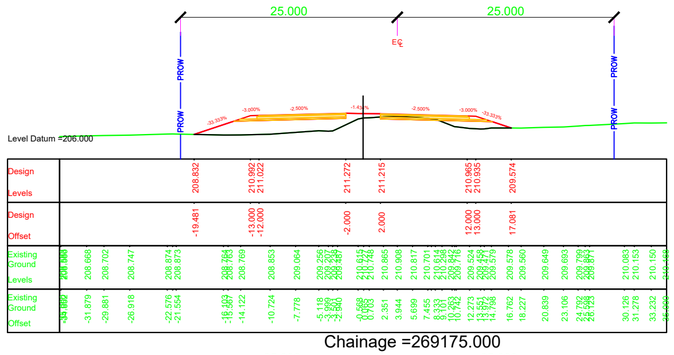

Chainage =268900.000

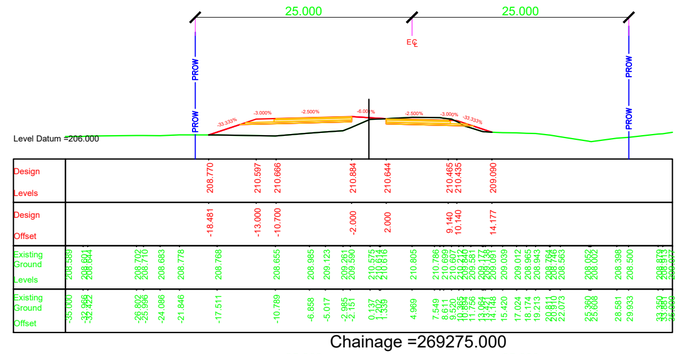
NOTES:

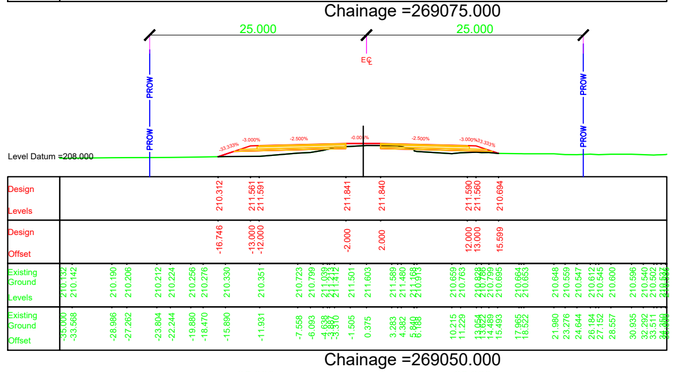
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

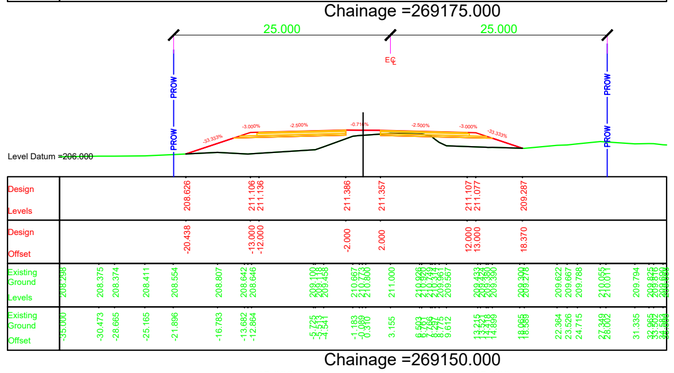
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 268+700 to Km 268+975<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 103 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

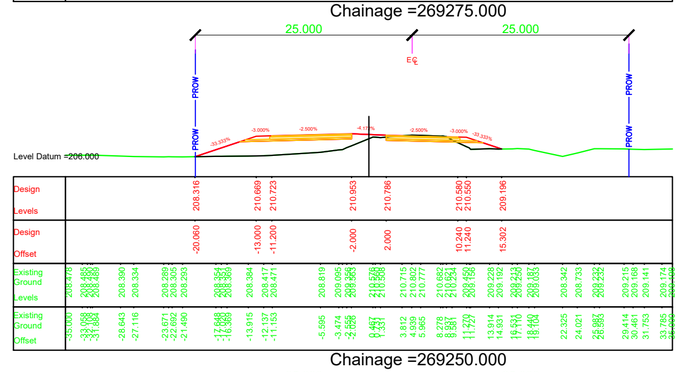


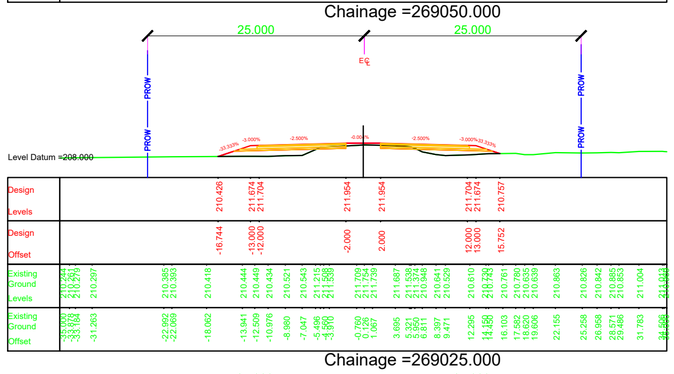



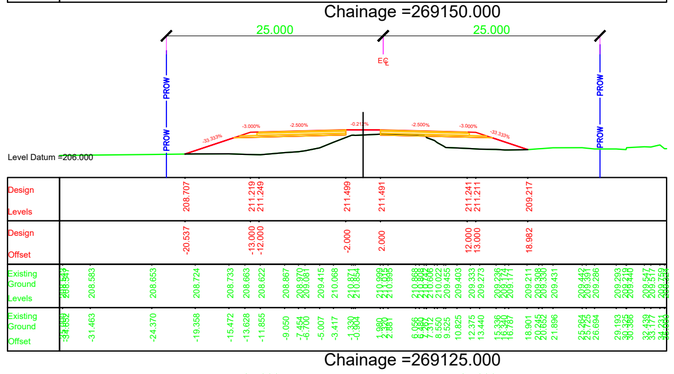





25.000
25.000
℄
PROW
PROW
PROW
-3.000%
-2.500%
-0.171%
-2.500%
-3.000%
-33.333%
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Design Offset
Existing Ground Levels
Existing Ground Offset
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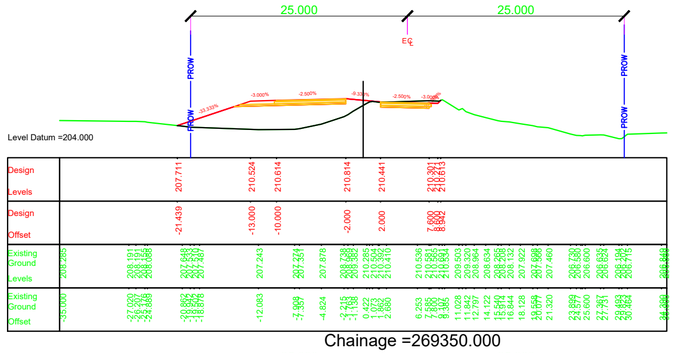
-20.537 -13.000 -12.000 -2.000 2.000 12.000 13.000 18.982
208.583 208.583 208.653 208.724 208.733 208.683 208.622 208.867 208.867 208.867 209.415 210.068 210.804 210.804 210.804 210.804 210.804 210.804 210.804 210.804 210.804 210.804 209.333 209.273 209.333 209.333 209.333 209.333 209.211 209.338 209.338 209.338

# BRIDGE LOCATION

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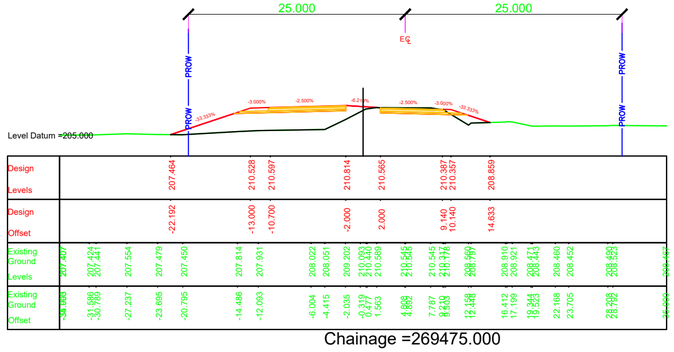


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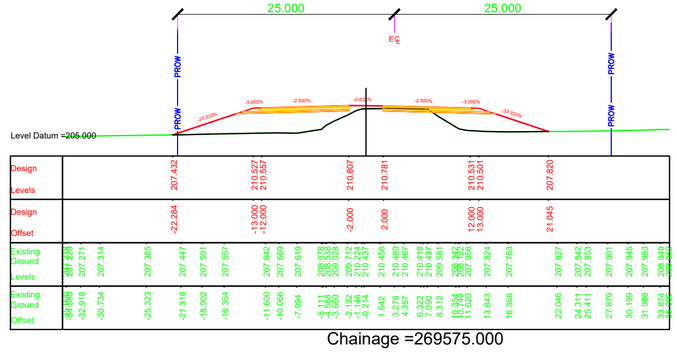


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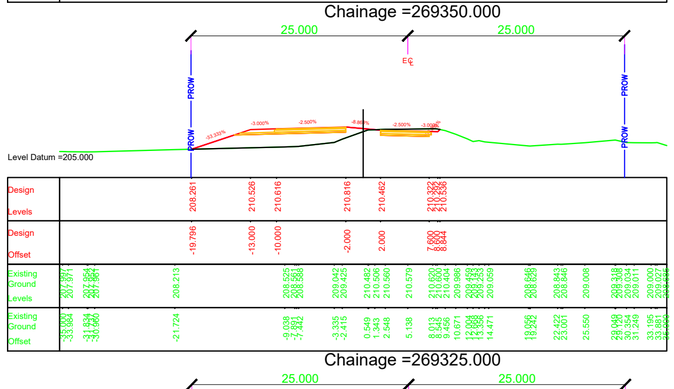


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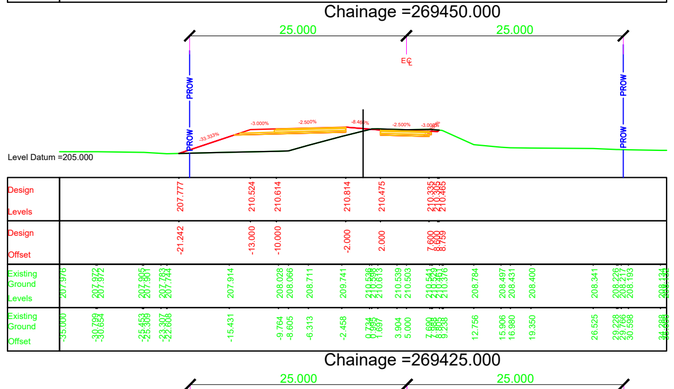


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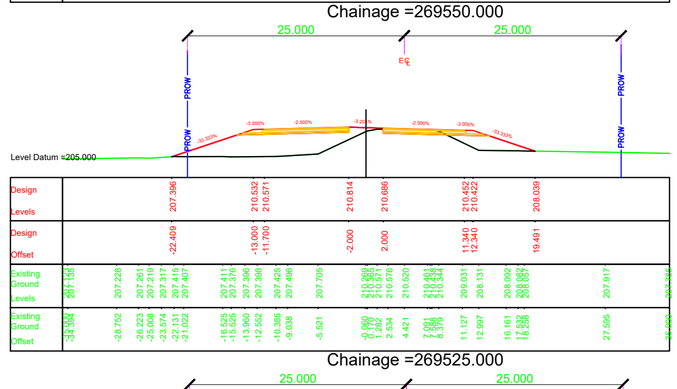


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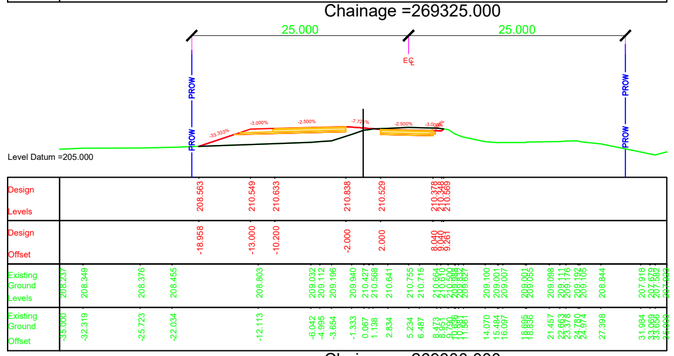


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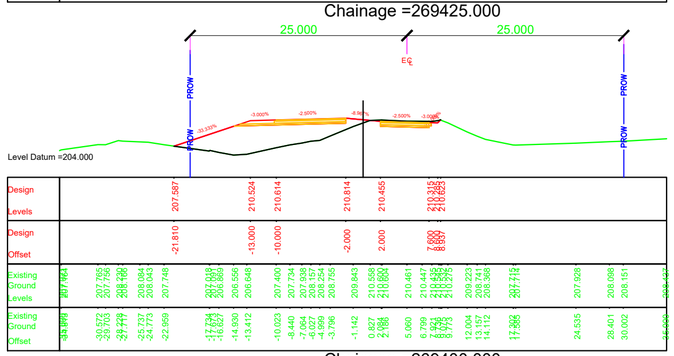


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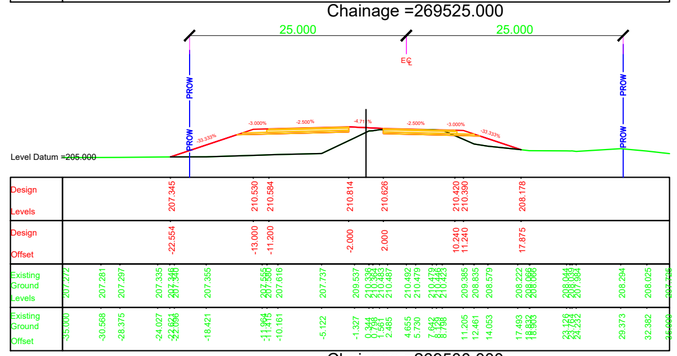


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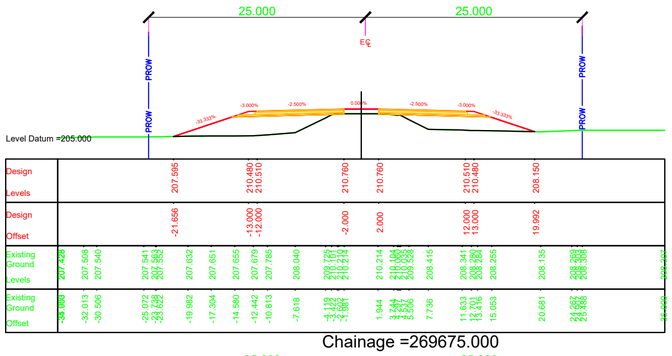
NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 269+300 to Km 269+575 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 105<br>Sheet No. |




NOTES:

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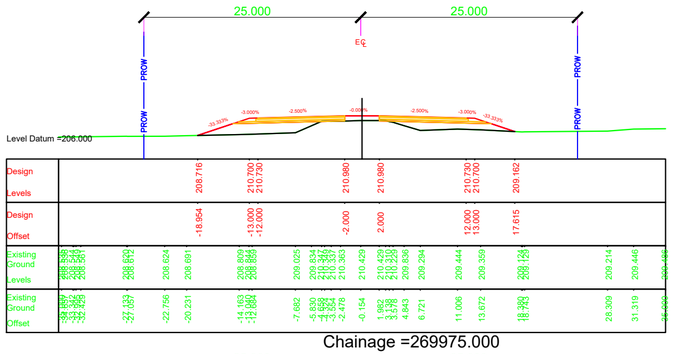
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 269+600 to Km 269+875 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 106<br>Sheet No. |

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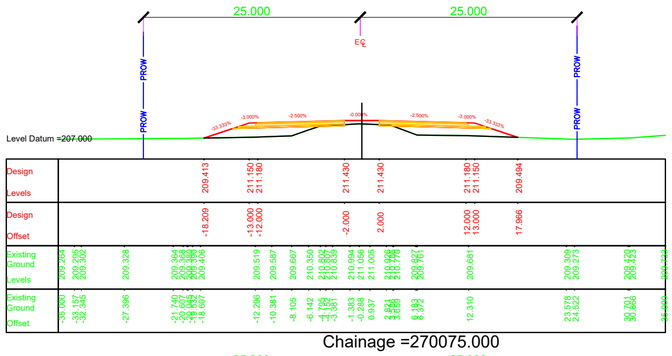
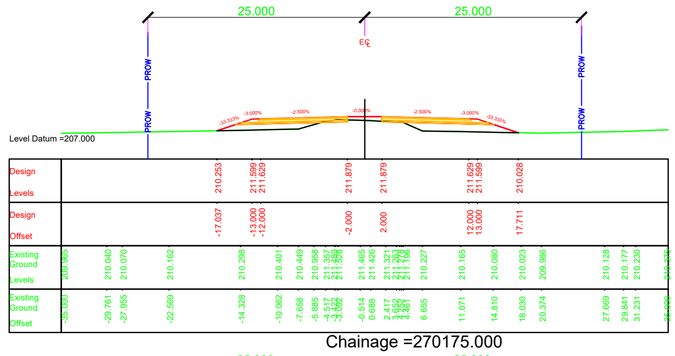



Chainage =270075.000

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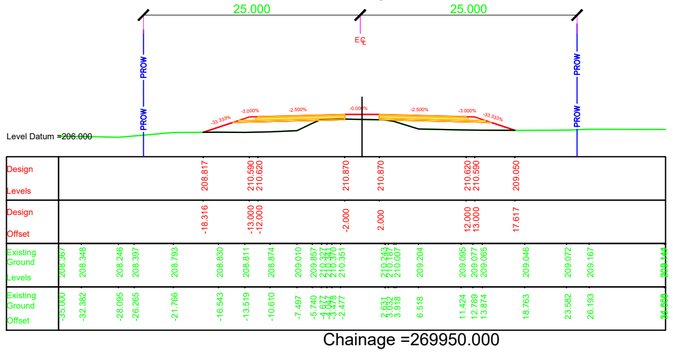


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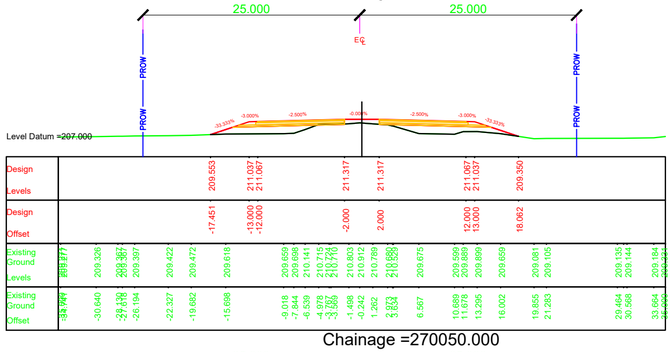


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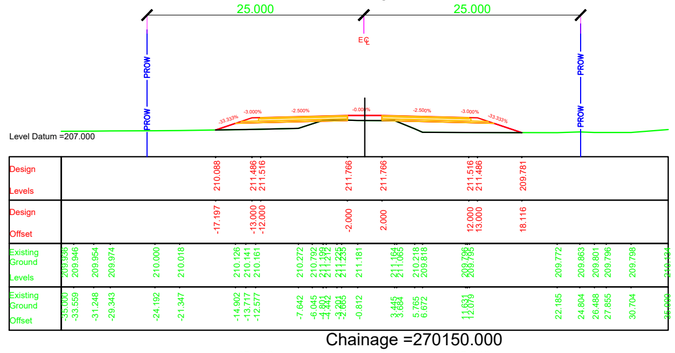


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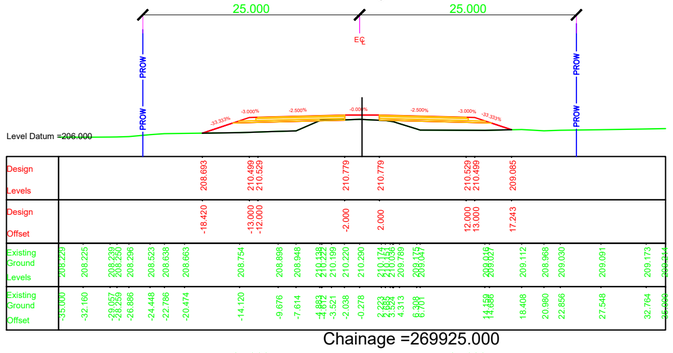


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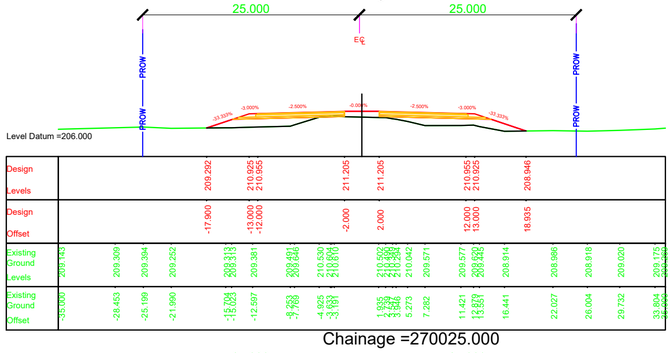


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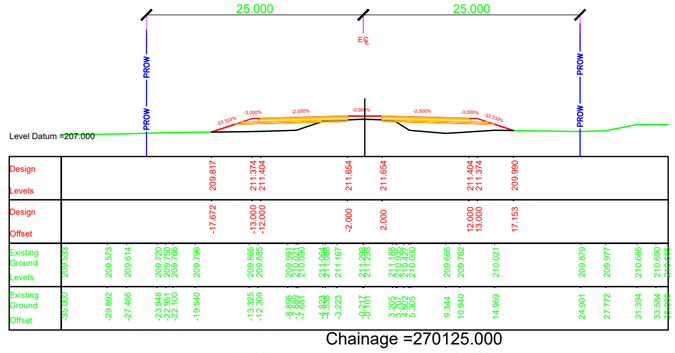


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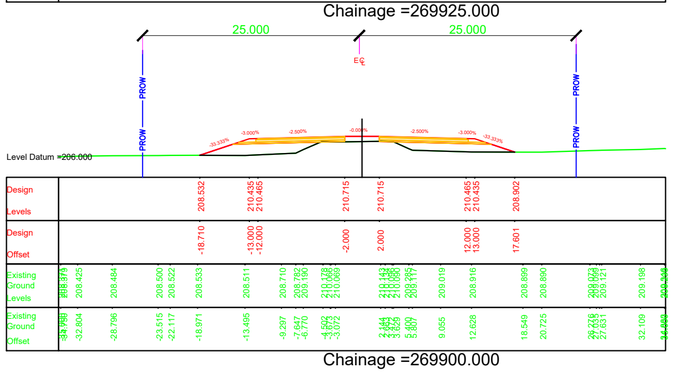


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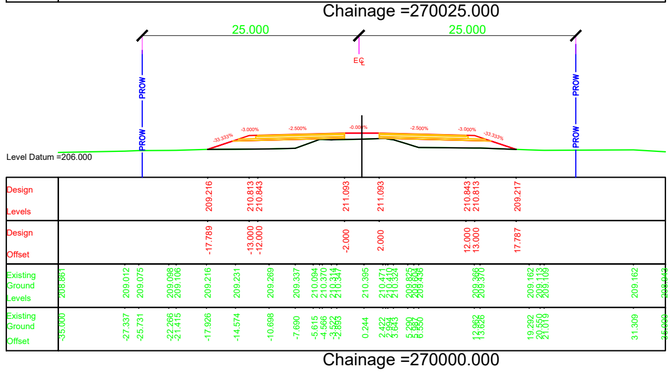


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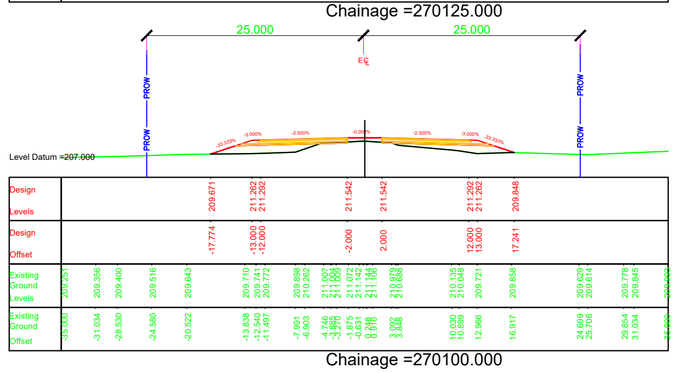


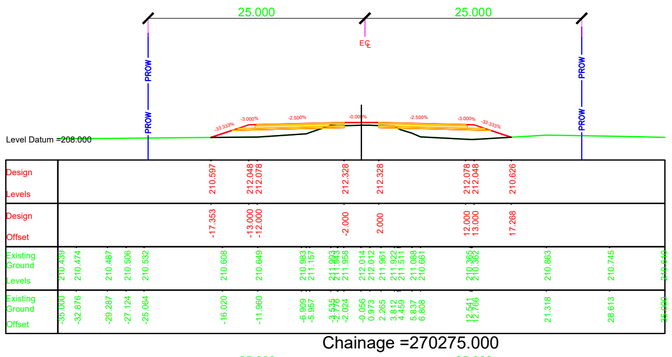

Chainage =270100.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | | | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 107 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 269+900 to Km 270+175 | Sheet No. |

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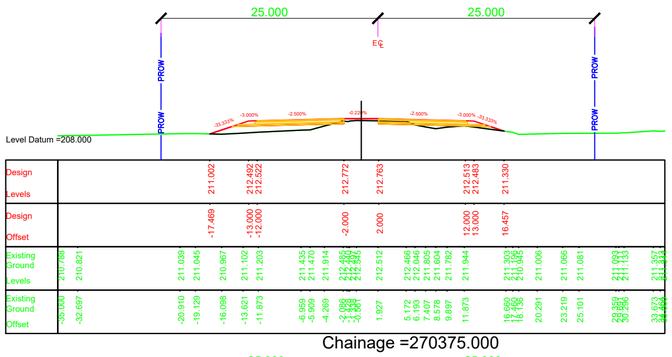


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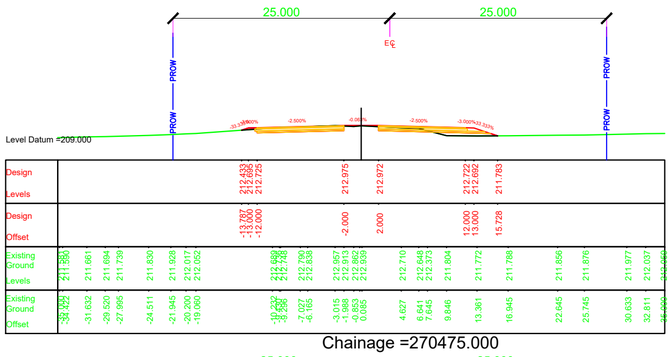


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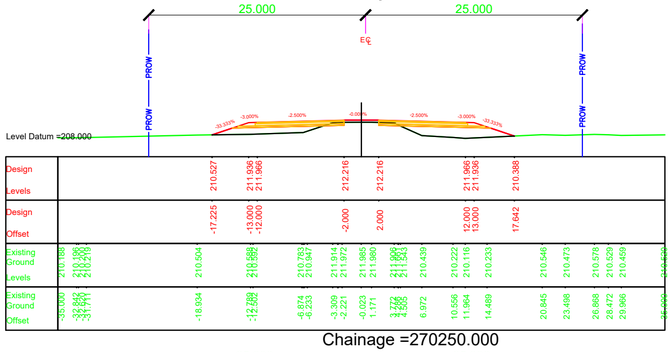


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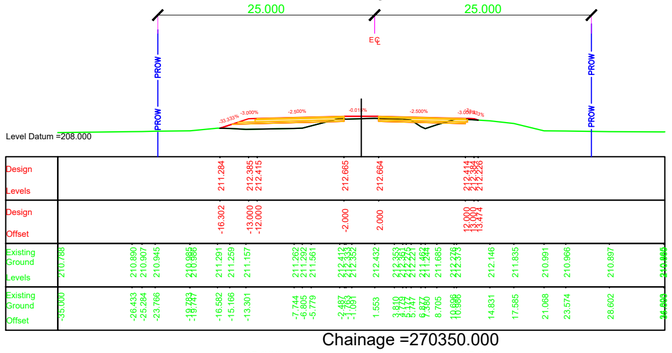


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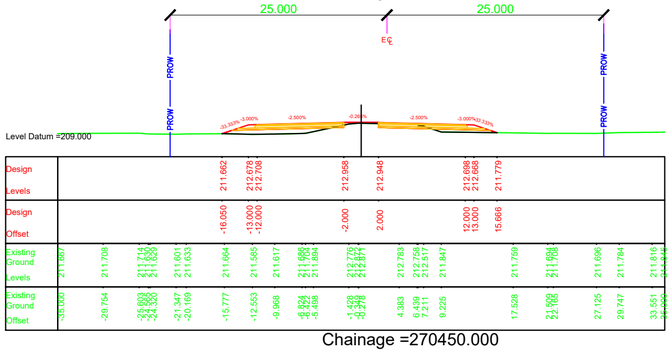


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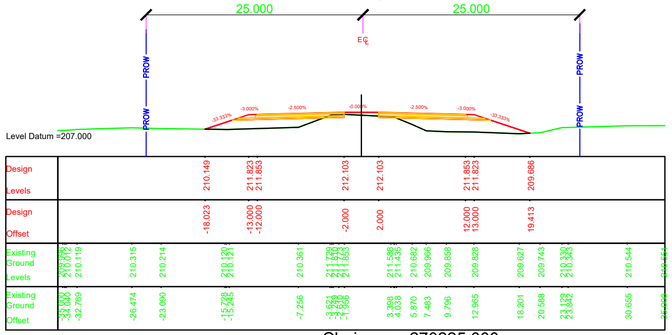


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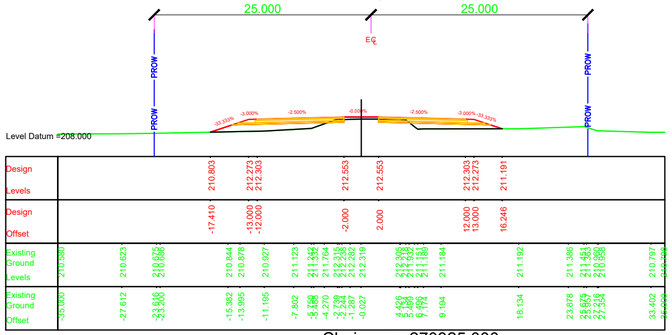


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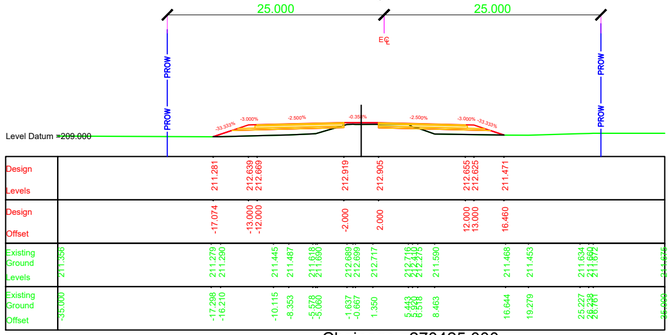


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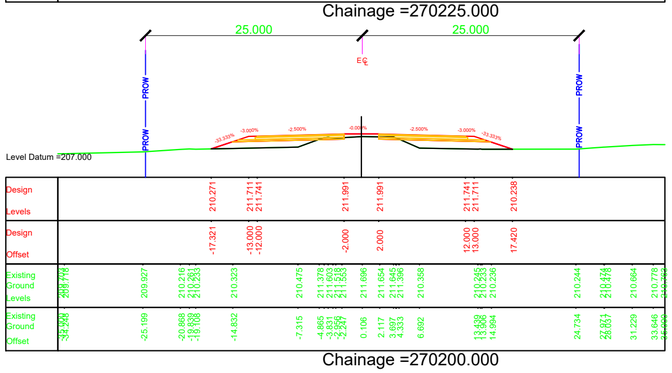


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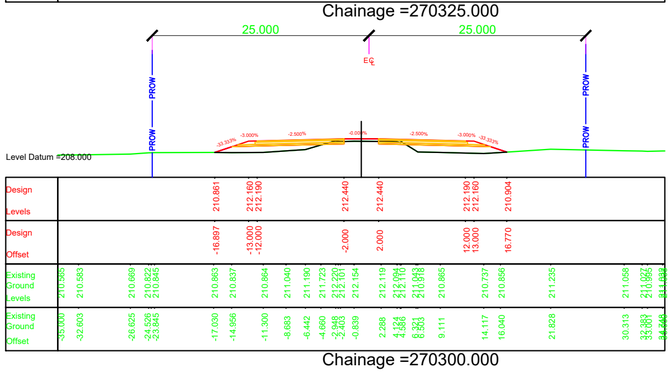


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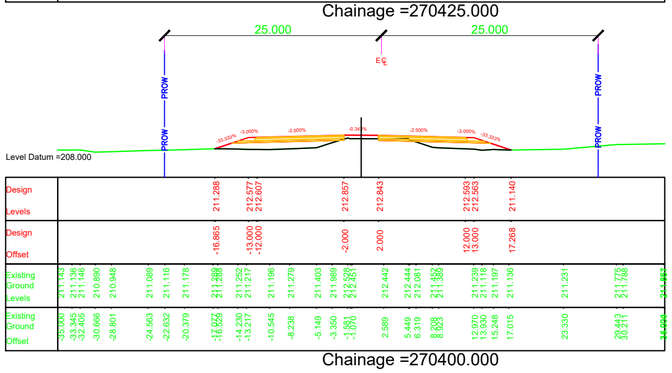


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NOTES:

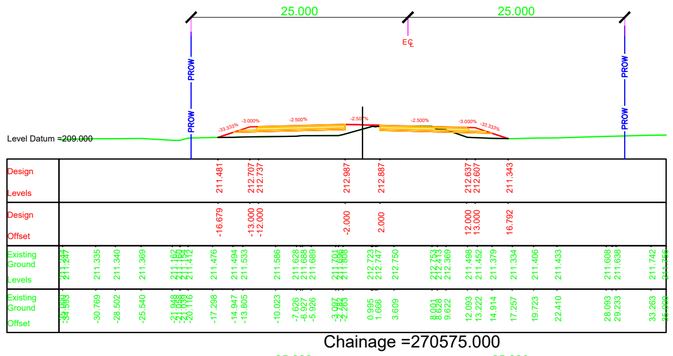
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 270+200 to Km 270+475 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 108

Sheet No.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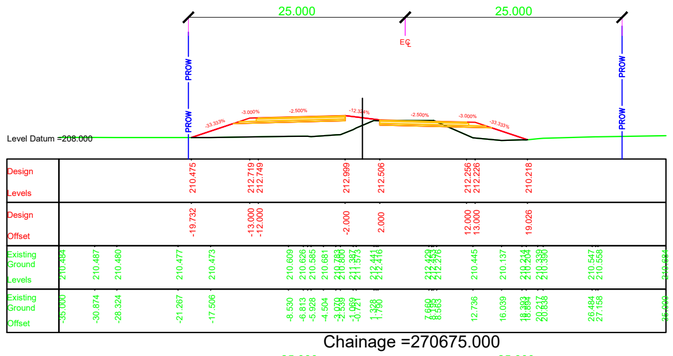
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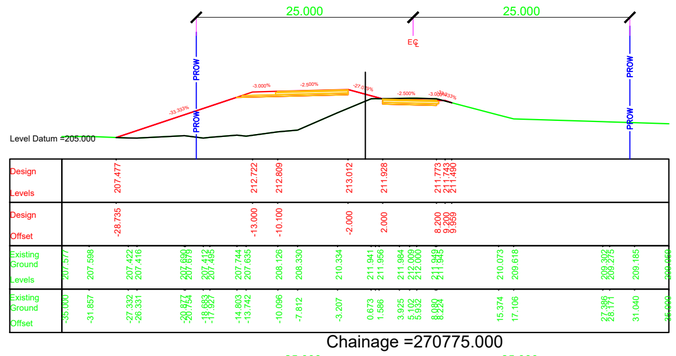
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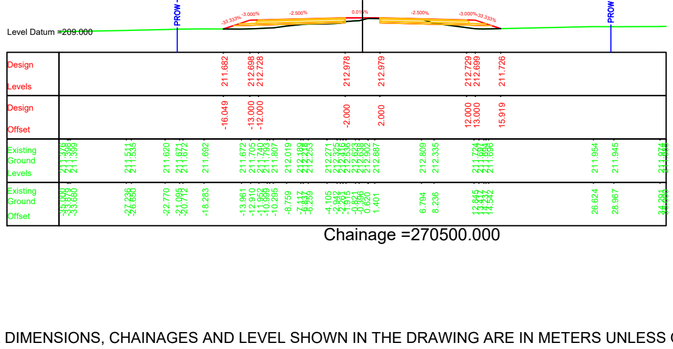
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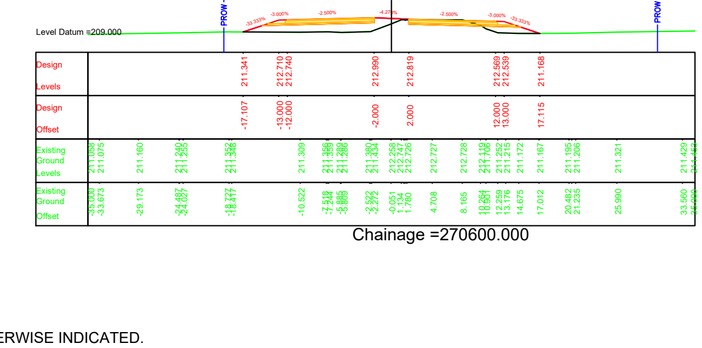
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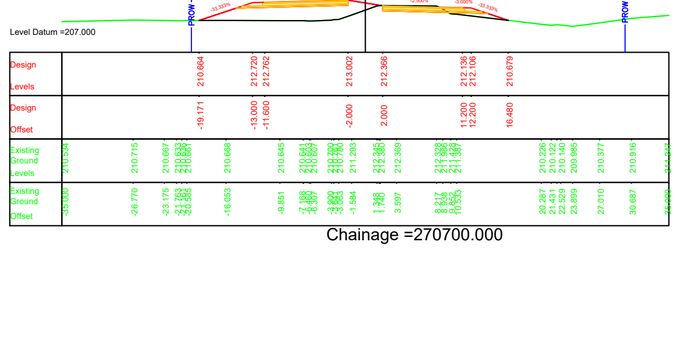
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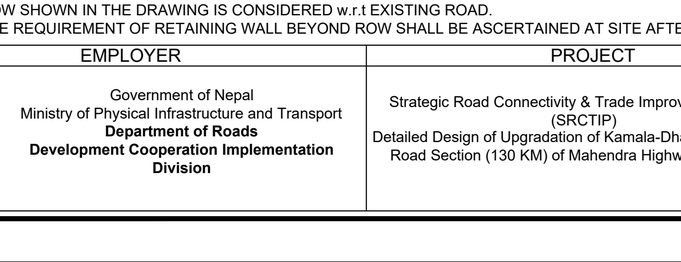
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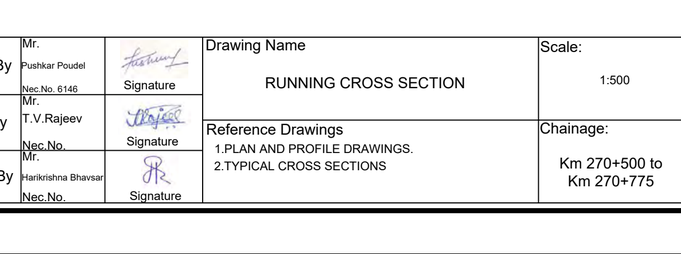
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212.710
212.740
212.990
212.819
212.569
212.539
211.168
Design Offset
-17.107
-13.000
-12.000
-2.000
2.000
12.000
13.000
17.115
Existing Ground Levels
211.000
211.075
211.160
211.240
211.255
211.309
211.356
211.356
211.280
211.300
211.252
211.247
211.252
211.215
211.172
211.167
211.195
211.206
211.321
211.429
211.452
Existing Ground Offset
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-33.673
-29.173
-24.487
-24.487
-18.177
-18.177
-10.522
-7.518
-6.866
-3.866
-2.922
-2.322
-1.722
-0.061
1.054
1.760
4.706
8.165
10.861
12.259
13.176
14.675
17.012
20.482
21.235
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25.000
25.000
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PROW
PROW
PROW
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-2.500%
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-3.000%
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212.366
212.136
212.106
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Design Offset
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-2.000
2.000
11.200
12.200
16.480
Existing Ground Levels
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210.715
210.667
210.633
210.607
210.668
210.645
210.624
210.607
210.590
210.607
211.283
212.365
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212.369
212.369
212.328
212.328
211.397
210.226
210.226
210.140
209.985
210.377
210.916
Existing Ground Offset
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-23.175
-21.783
-20.583
-16.053
-9.851
-7.188
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-2.843
-1.594
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3.997
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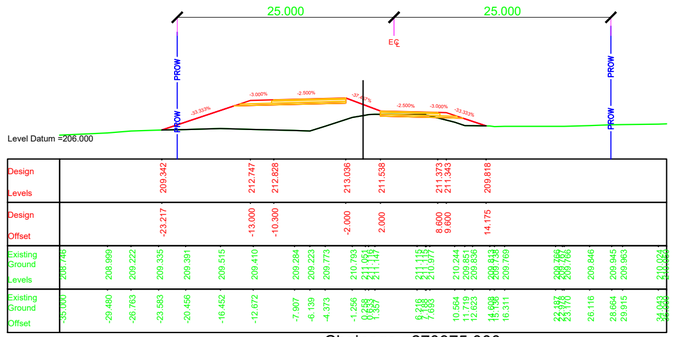
Chainage =270700.000

# BRIDGE LOCATION



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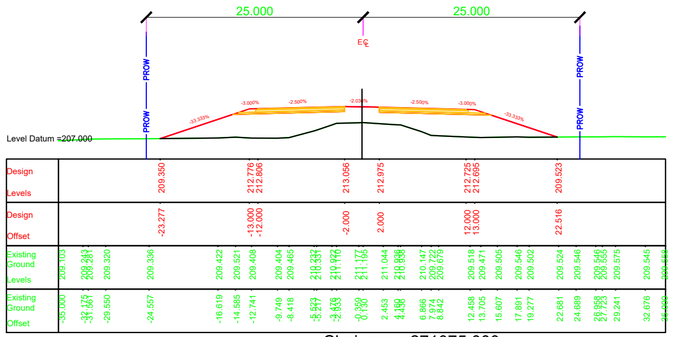

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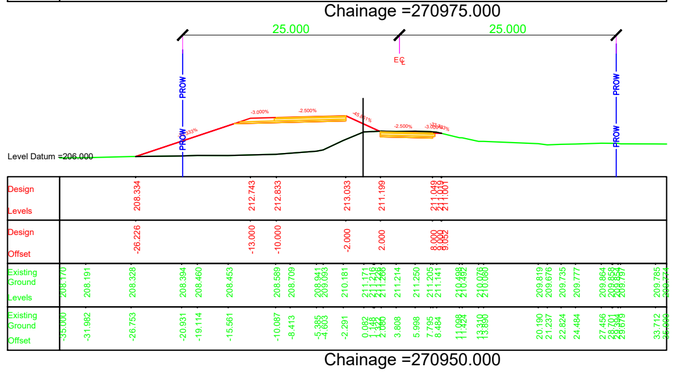

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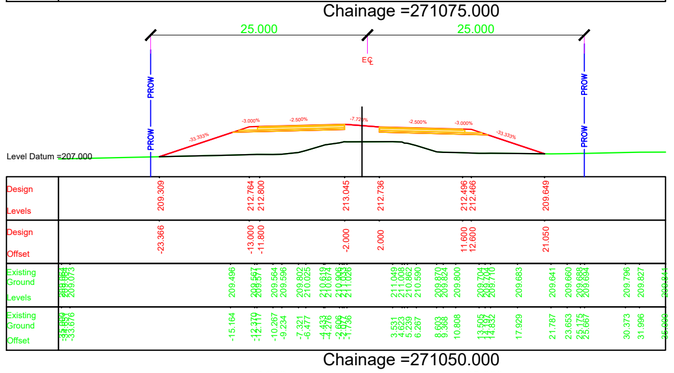

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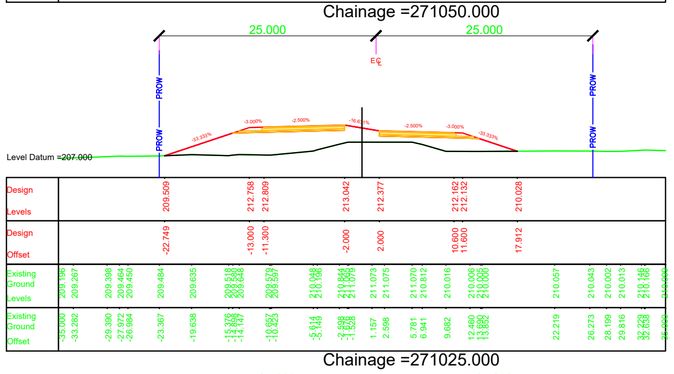

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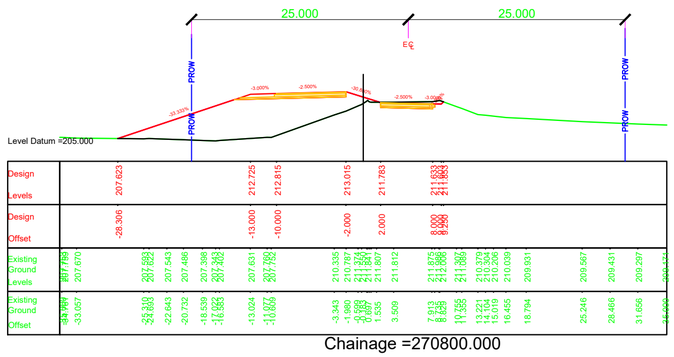

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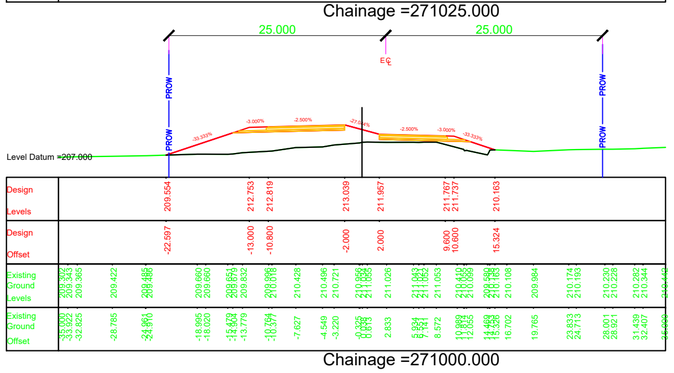
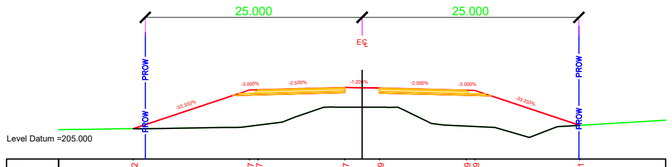


Chainage =271000.000

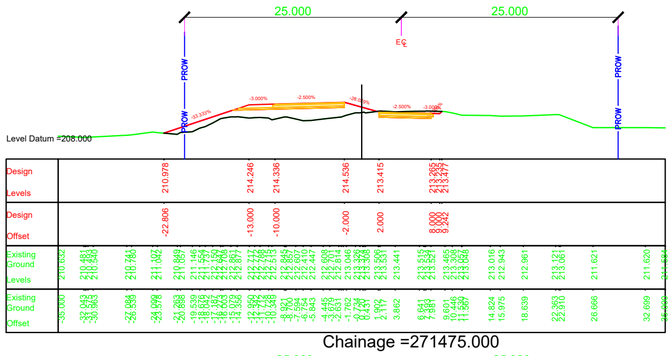
NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 / Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 270+800 to Km 271+075 / Drawing No. KDP/DDR/HIGHWAY/RCS- 110 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |


25.000
25.000
PROW
PROW
PROW
E¢
-3.000%
-2.500%
-2.500%
-3.000%
-33.333%
-33.333%
Level Datum =205.000

| | | |

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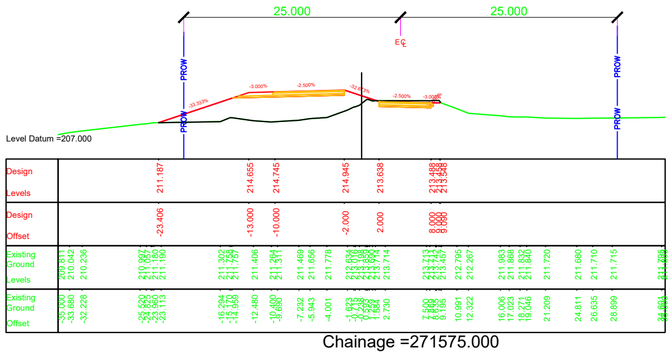


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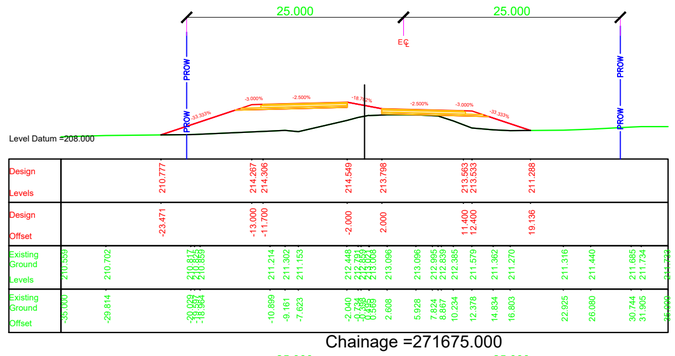
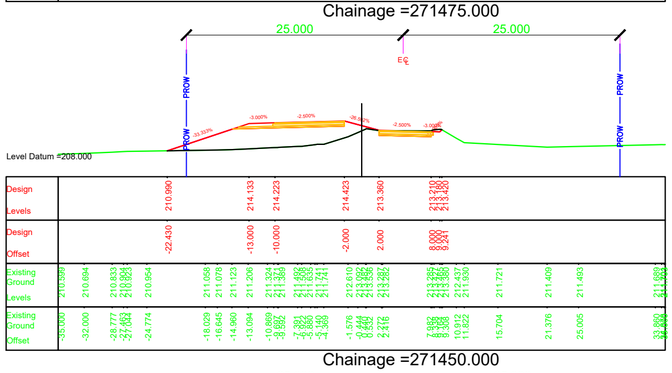



Chainage =271675.000

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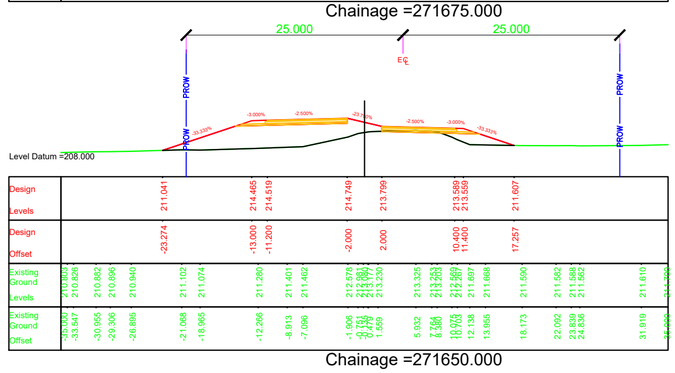


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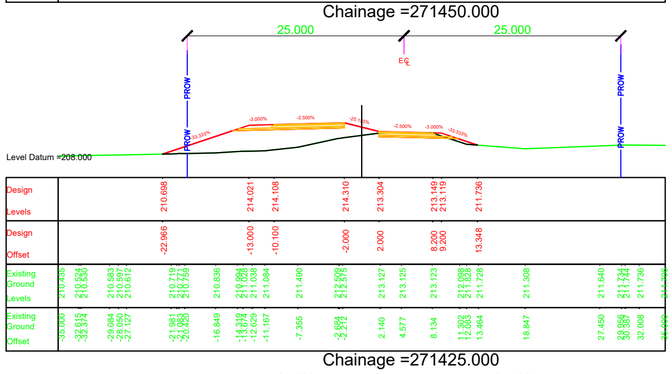
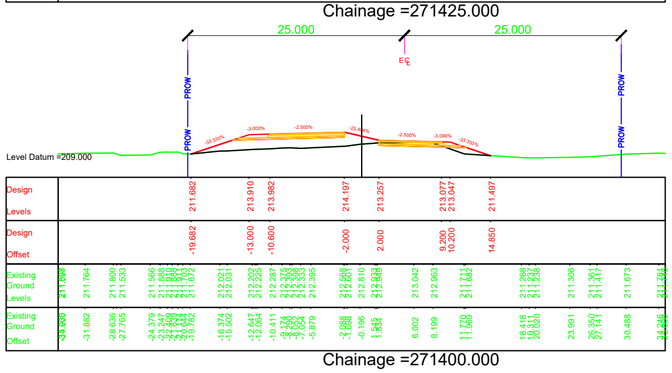



Chainage =271425.000

# BRIDGE LOCATION

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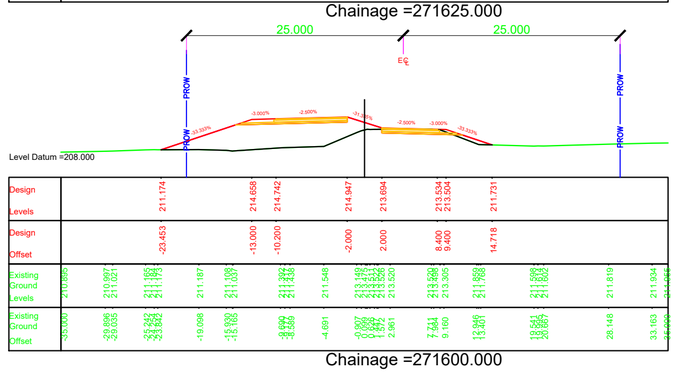
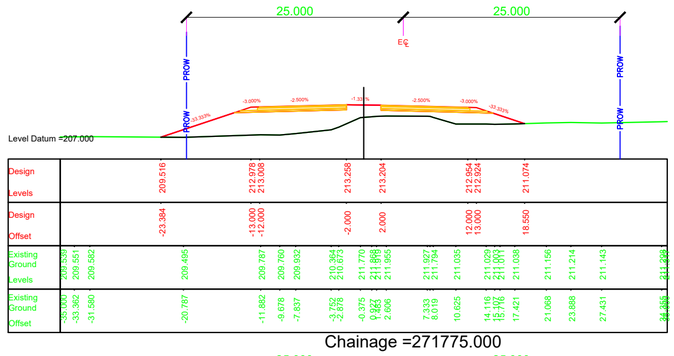


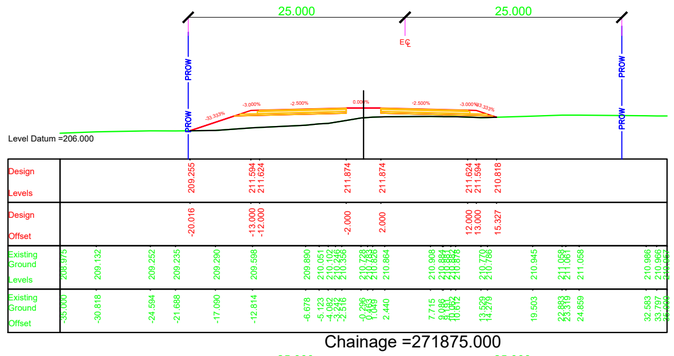

Chainage =271600.000

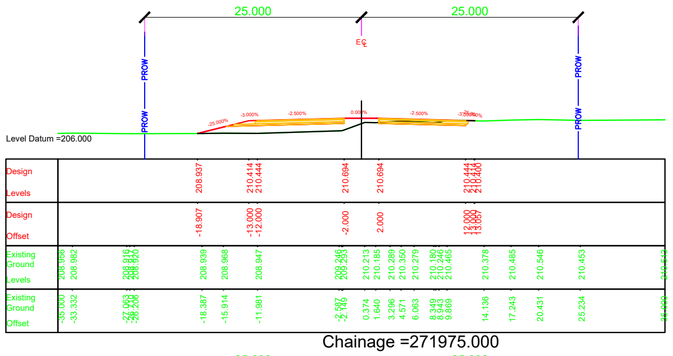
NOTES:

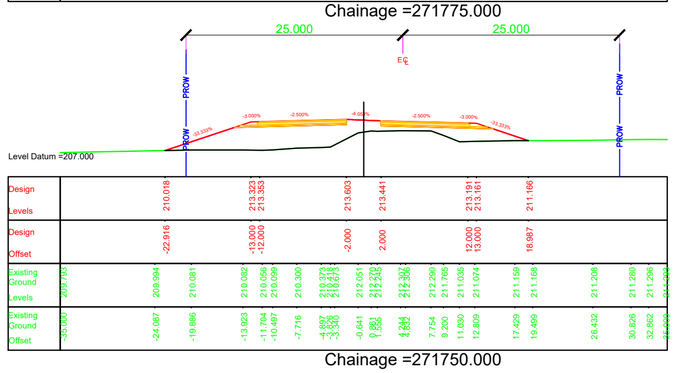
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

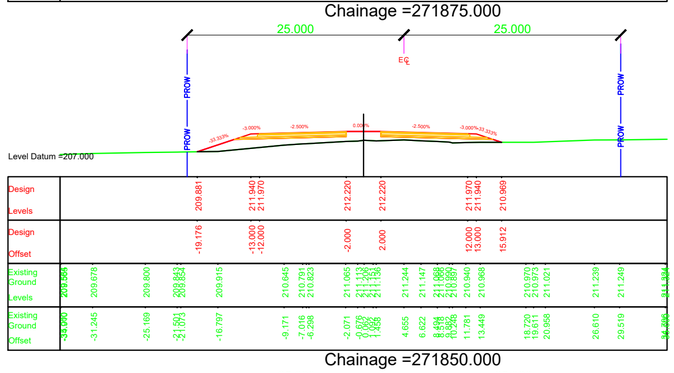
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 | Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 271+400 to Km 271+675 | Drawing No. KDP/DDR/HIGHWAY/RCS- 112 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

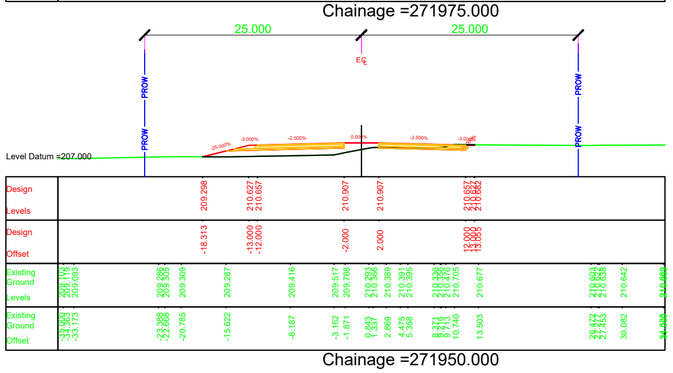


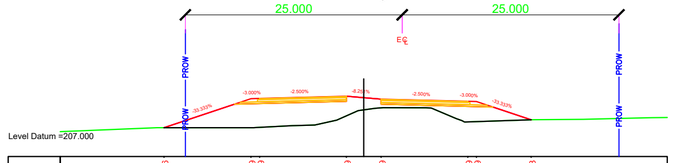



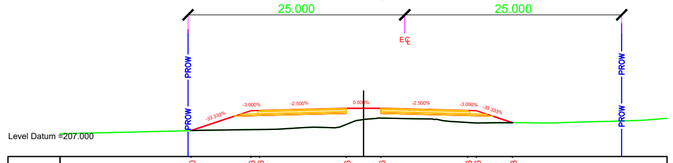



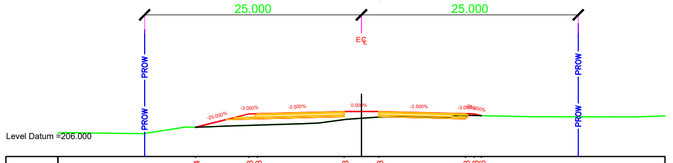



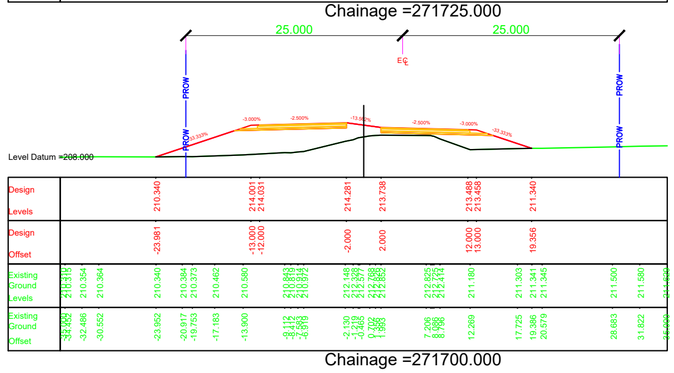



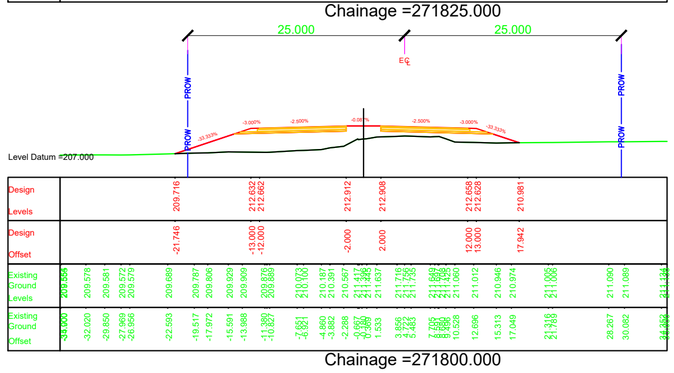



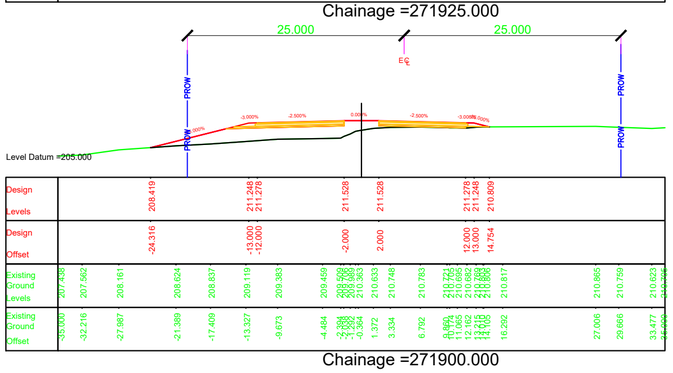




NOTES:

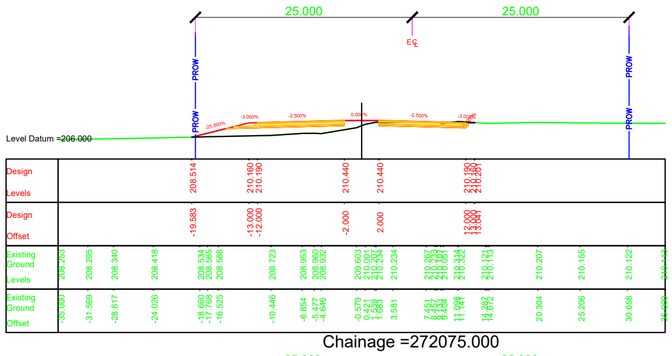
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 271+700 to Km 271+975 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 113

Sheet No.

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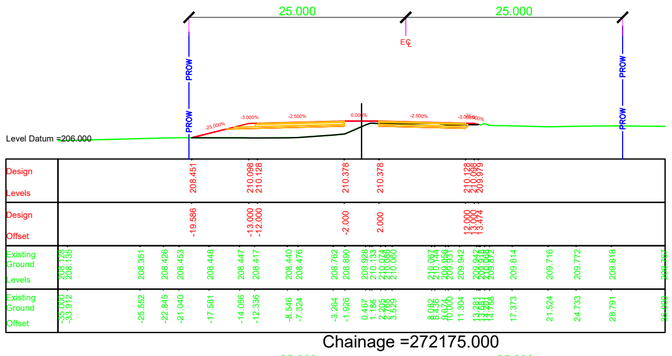


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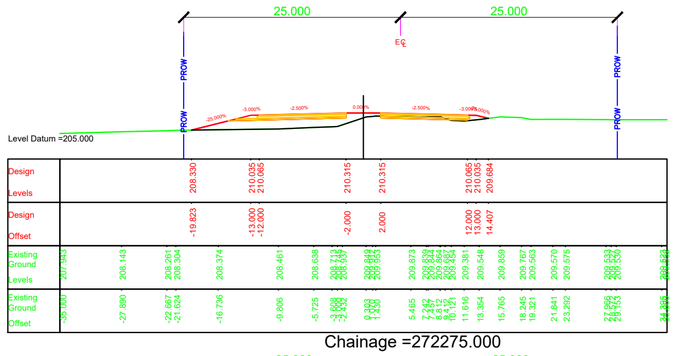


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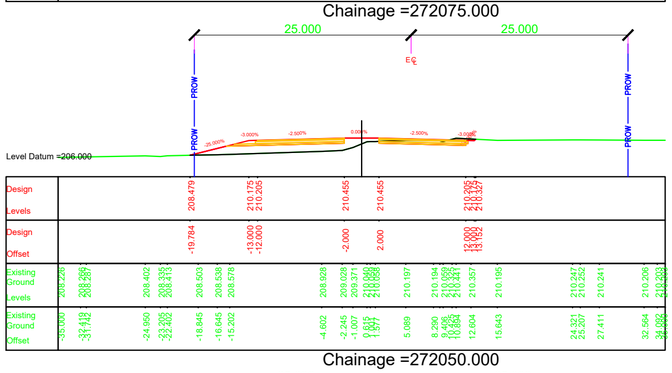


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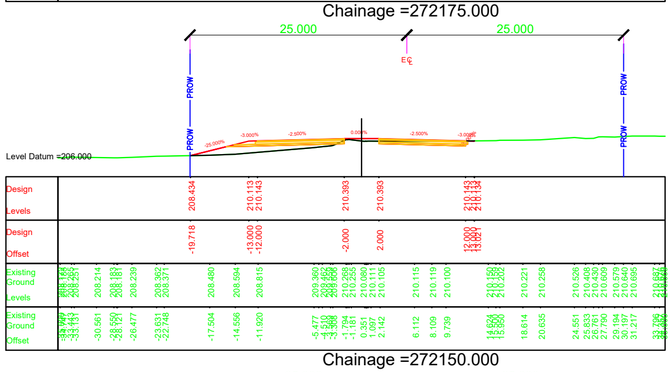


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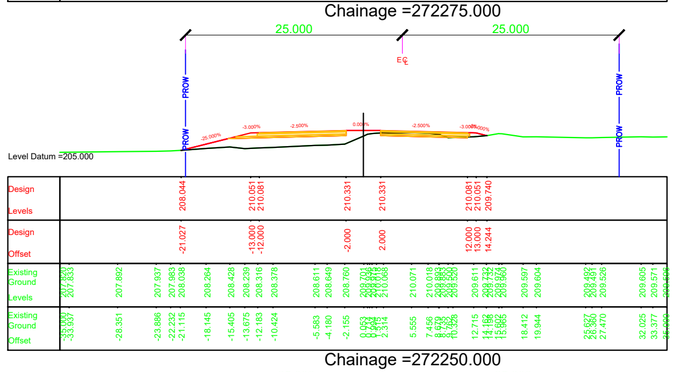


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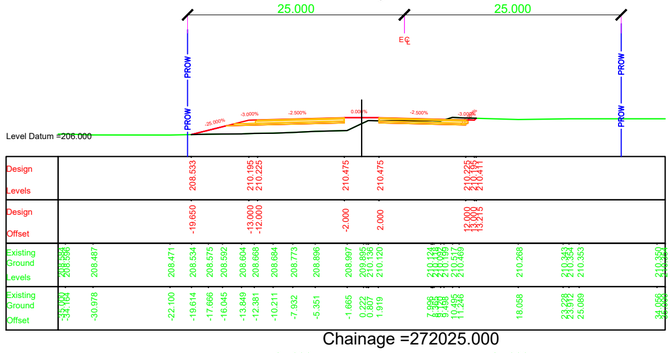


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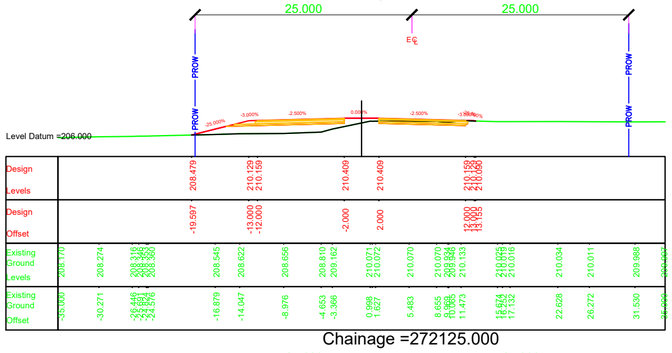


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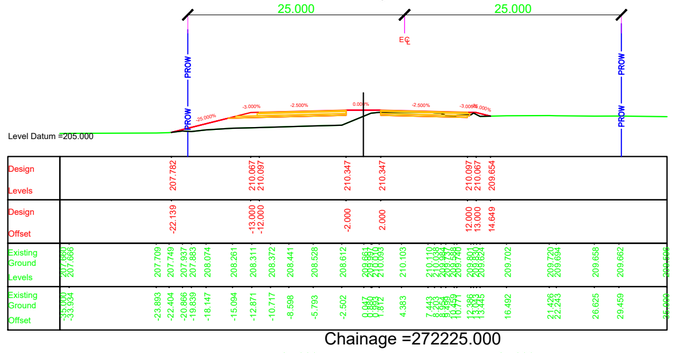


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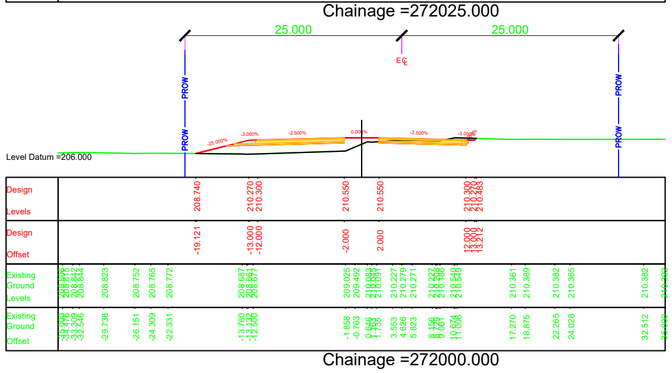


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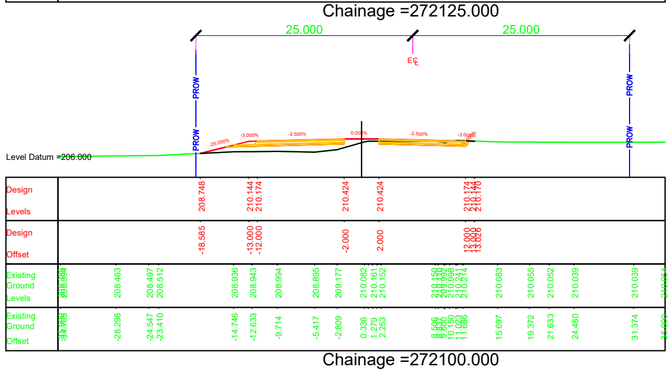
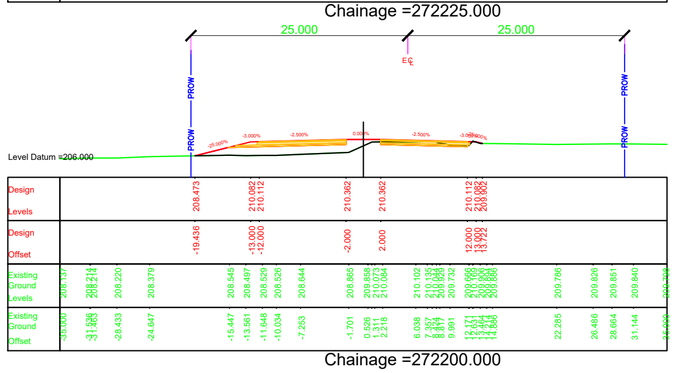



Chainage =272100.000

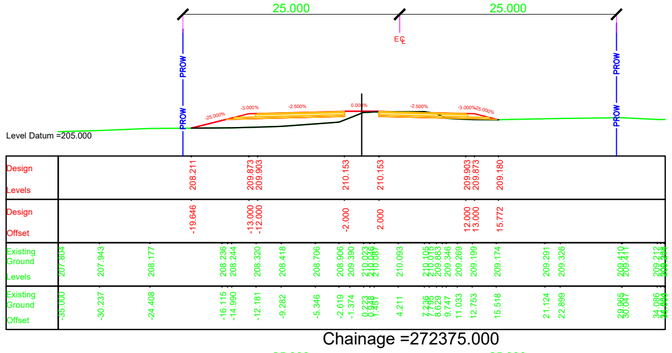



Chainage =272200.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 272+000 to Km 272+275 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 114<br>Sheet No. |

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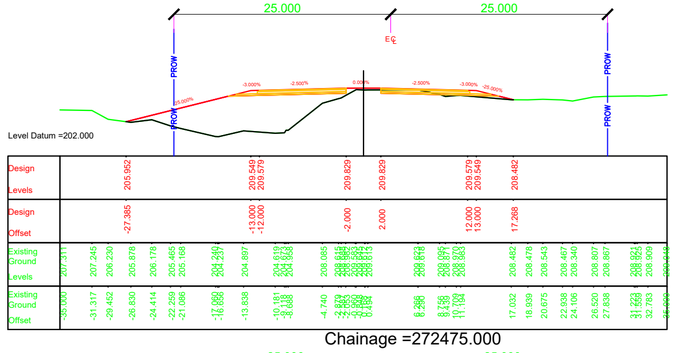


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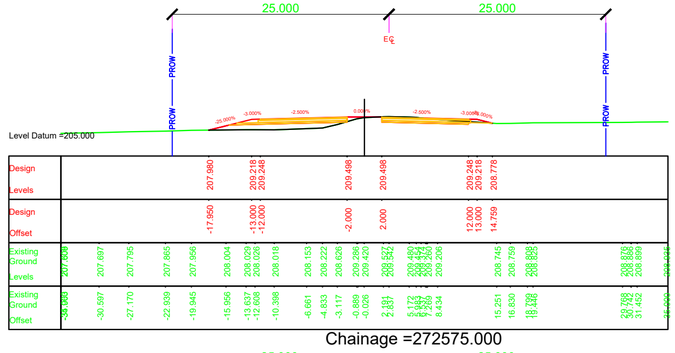


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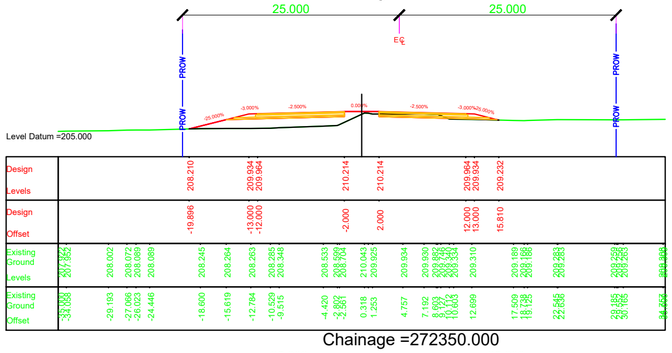


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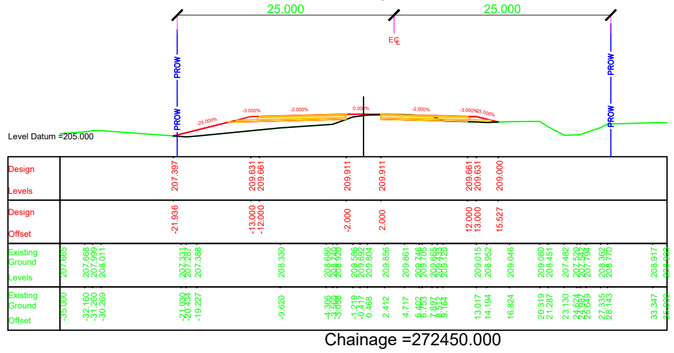


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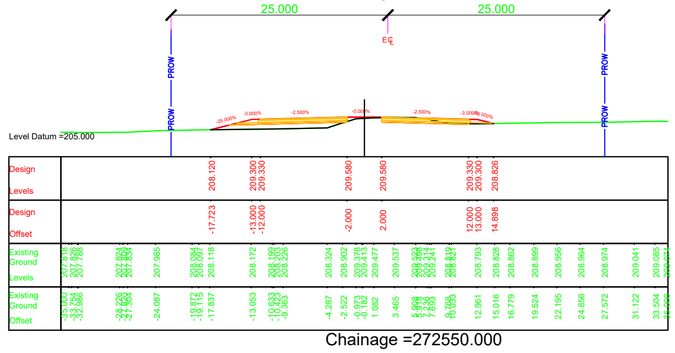


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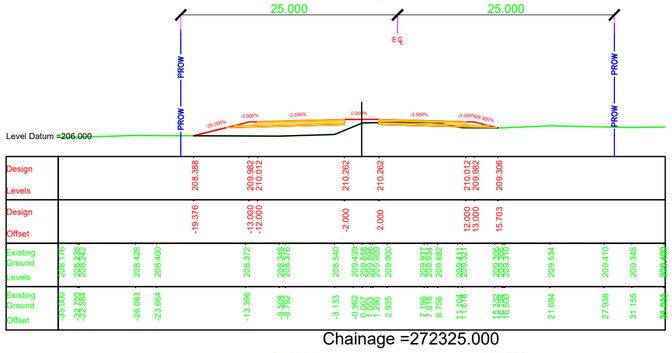


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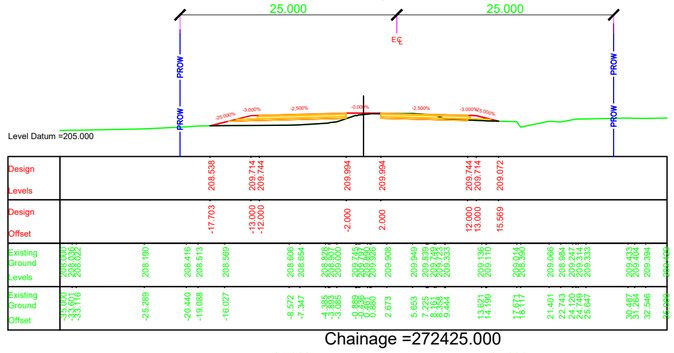


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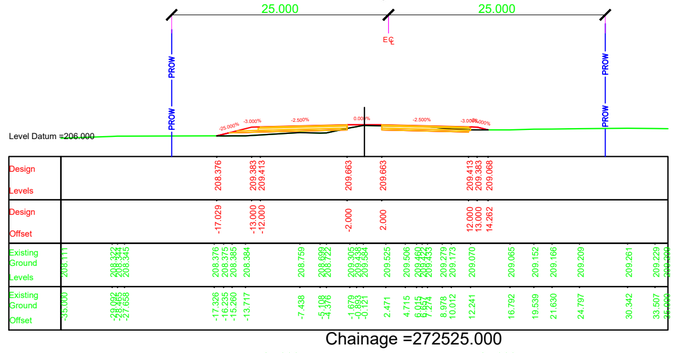


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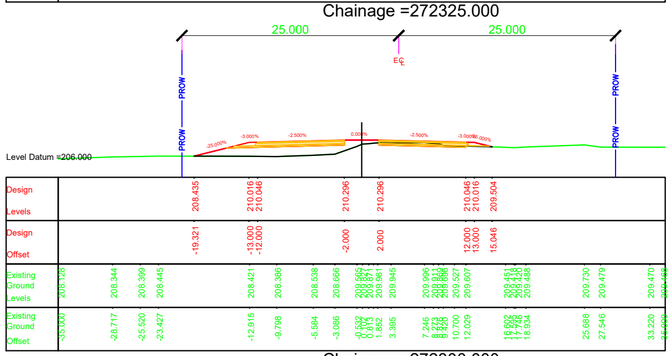


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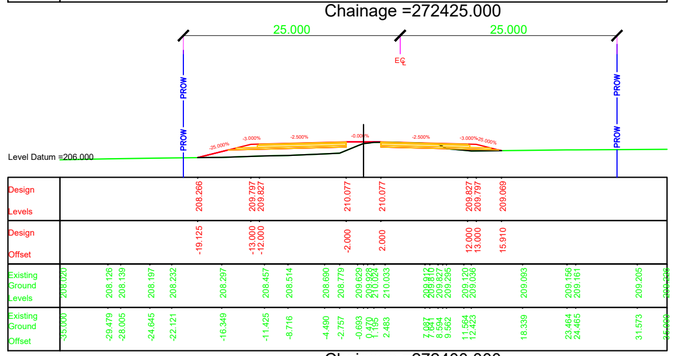


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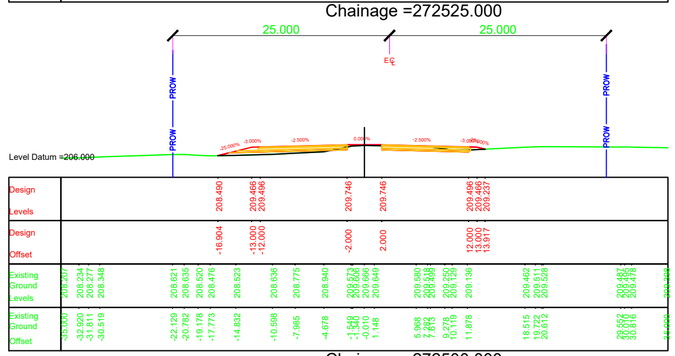
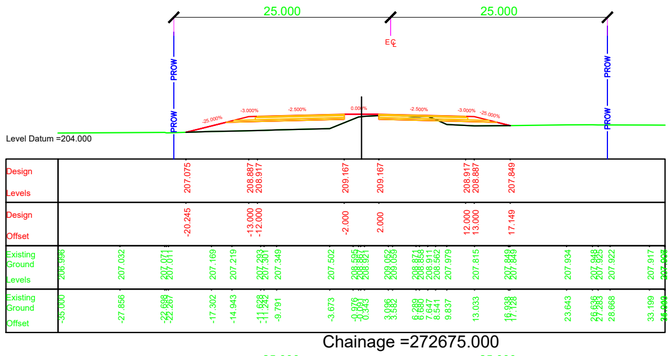



Chainage =272500.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 272+300 to Km 272+575 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 115<br>Sheet No. |

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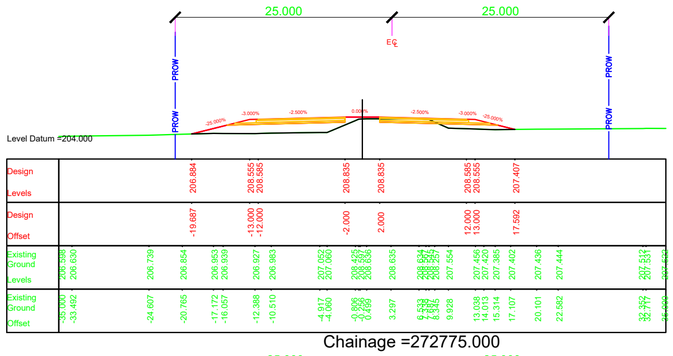


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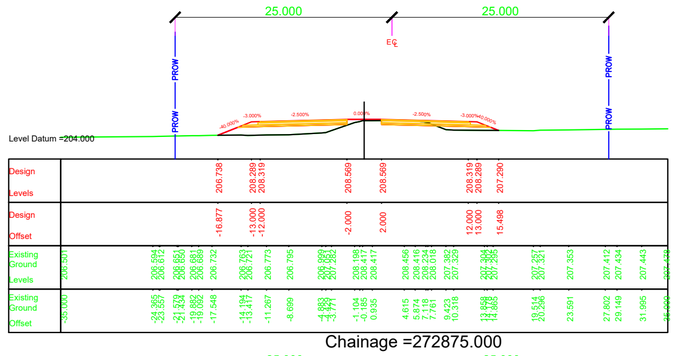


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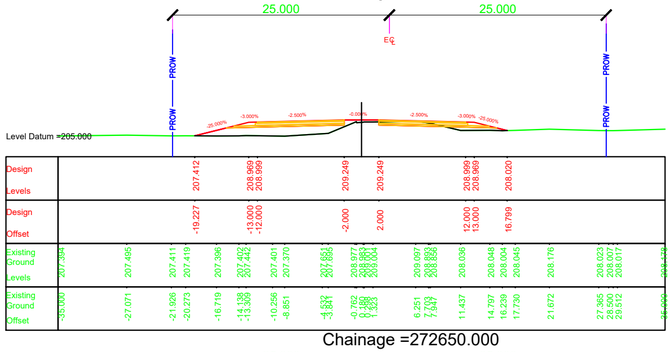


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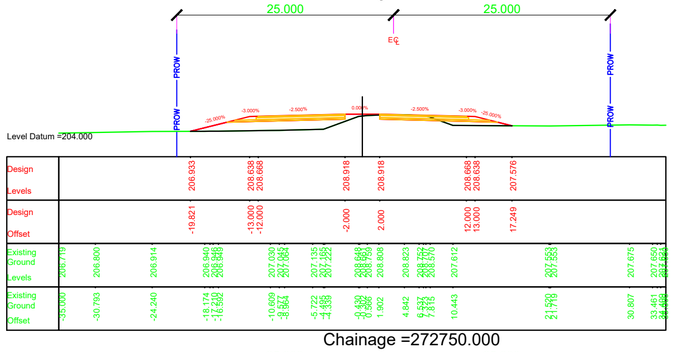


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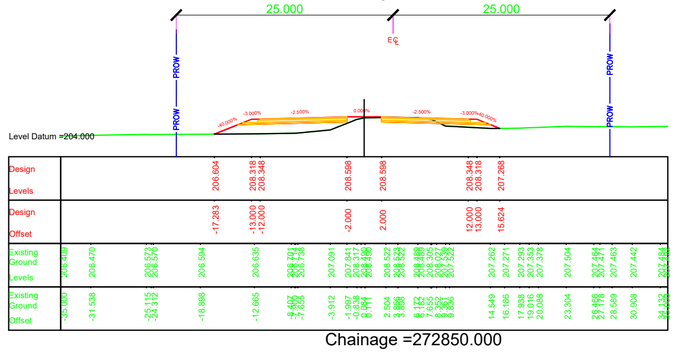


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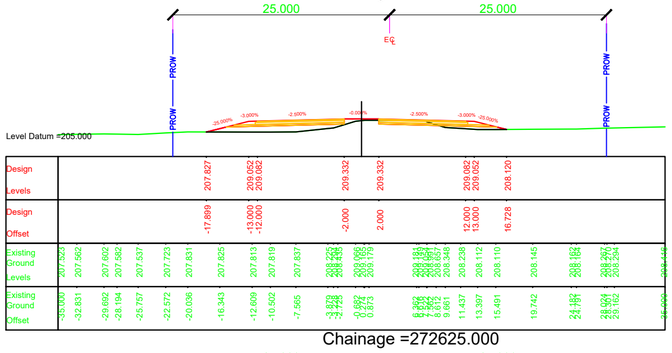


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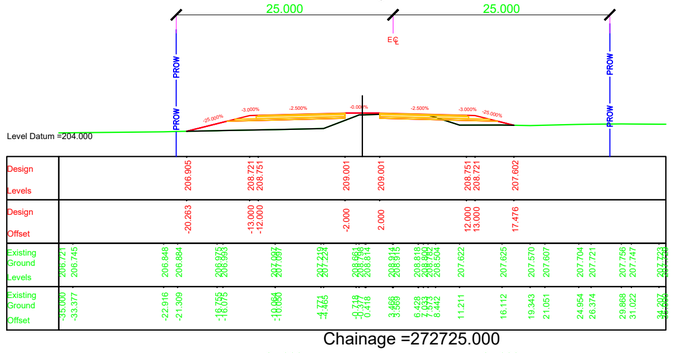


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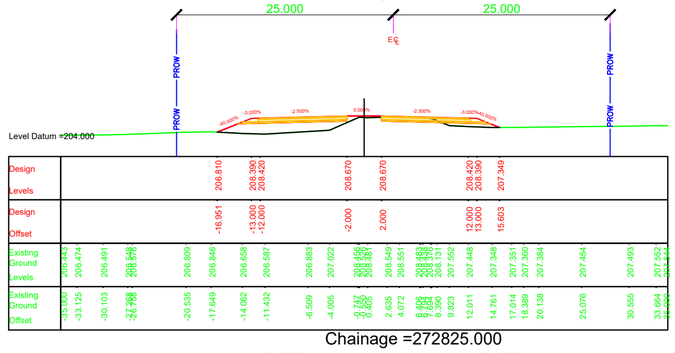


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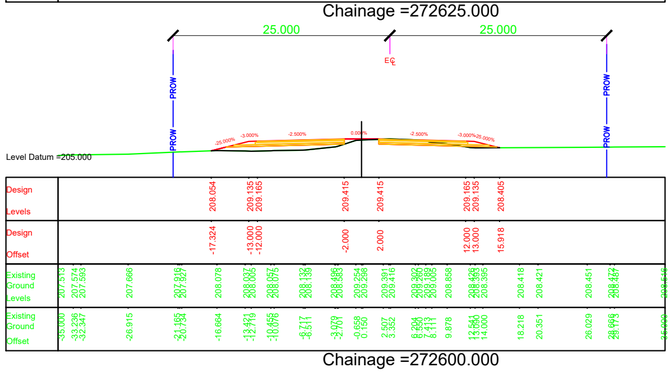


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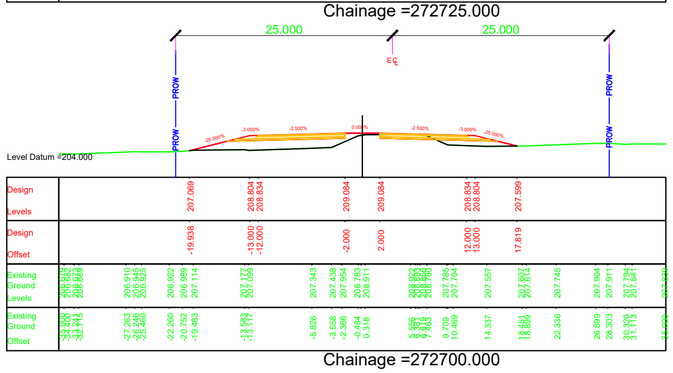


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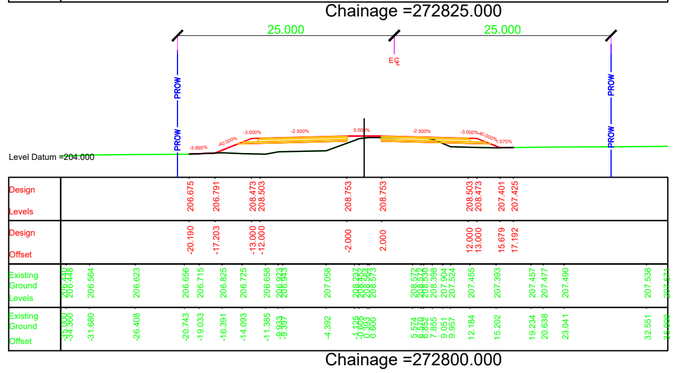
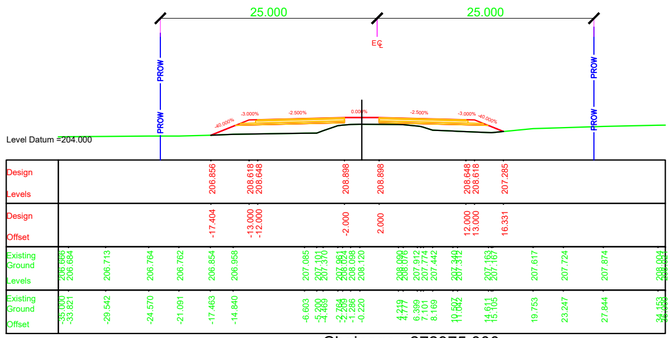


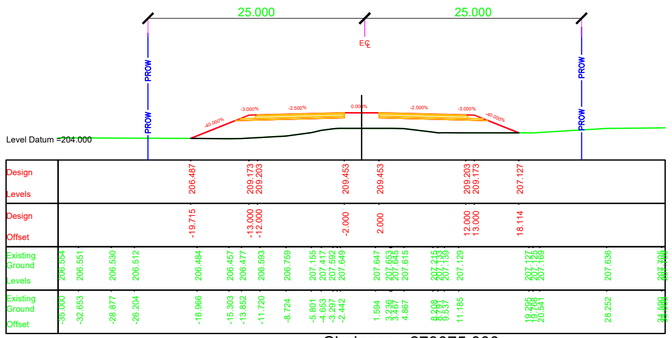

Chainage =272800.000

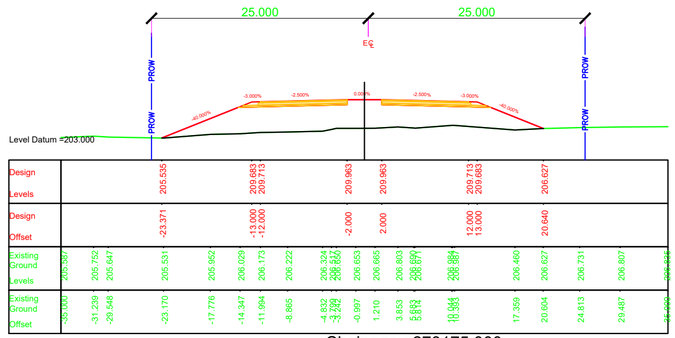
NOTES:

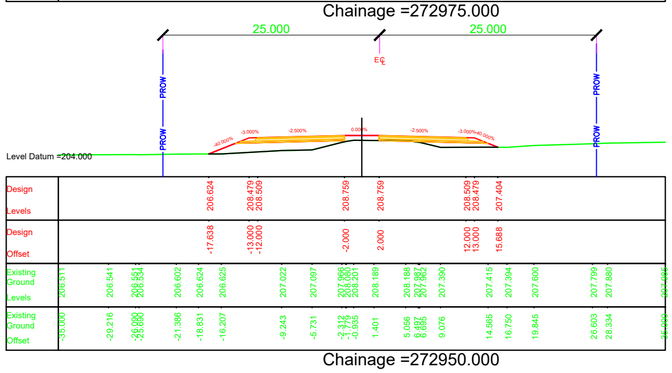
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

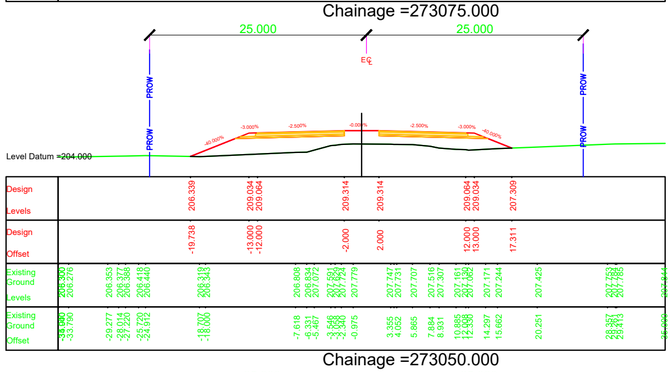
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 272+600 to Km 272+875 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 116<br>Sheet No. |

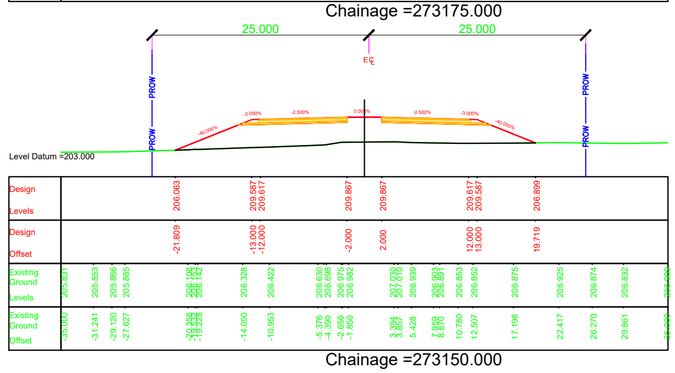


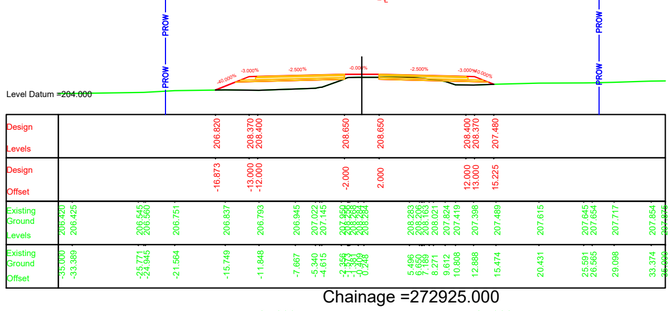



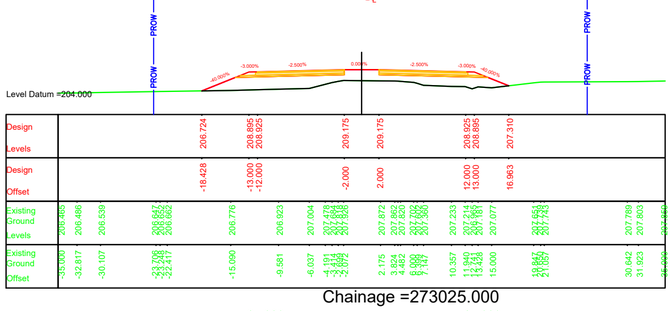



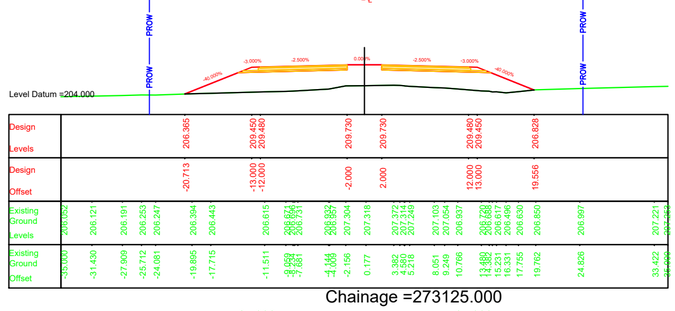



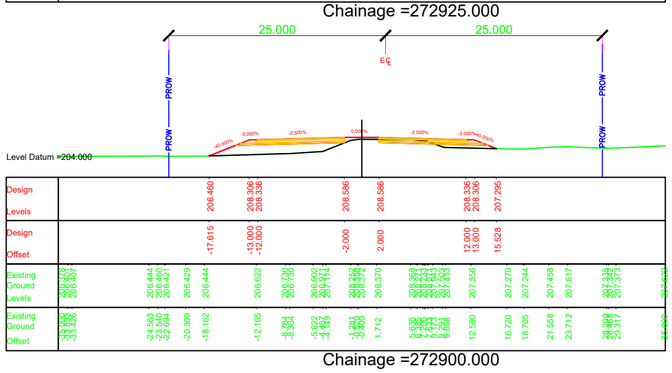



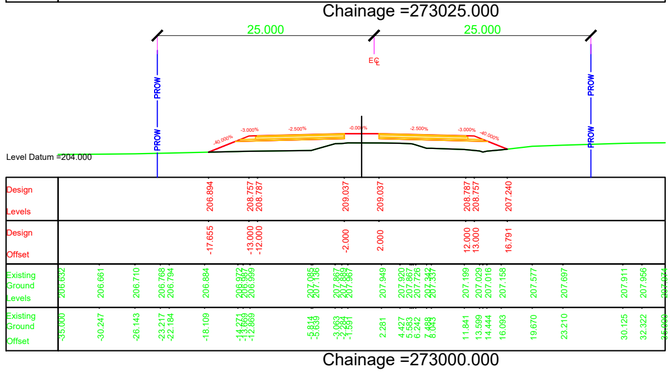



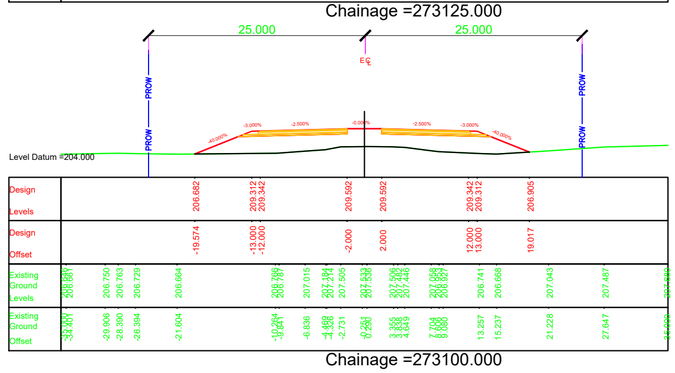



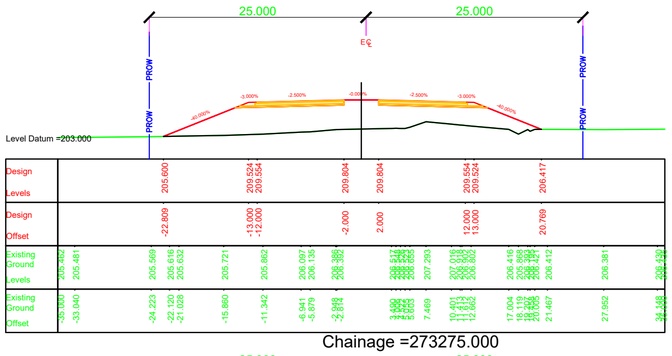




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 272+900 to Km 273+175 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 117 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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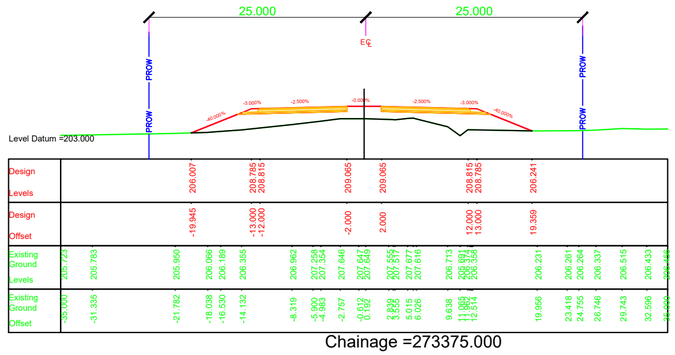
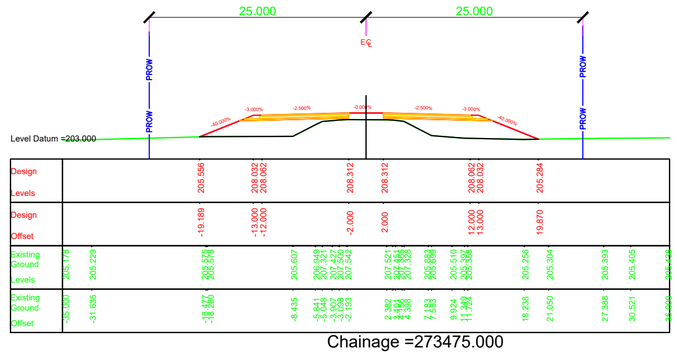



Chainage =273375.000

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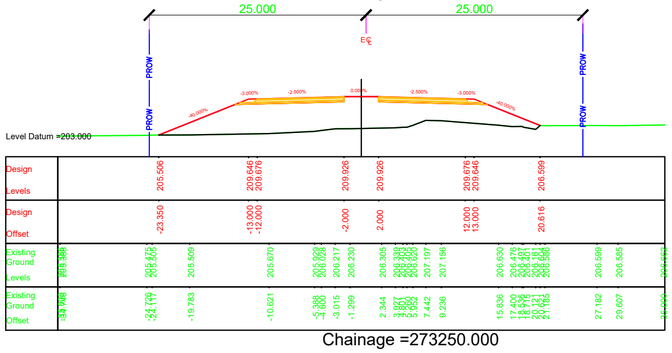


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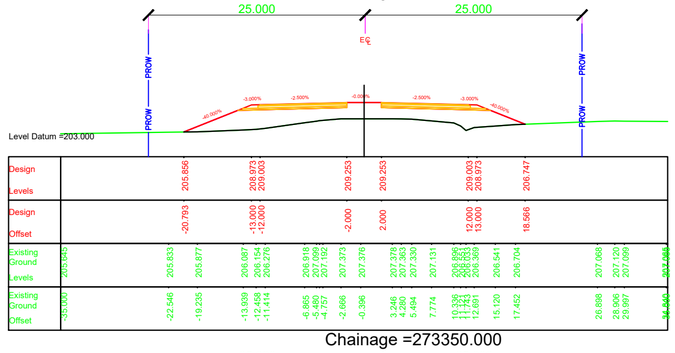


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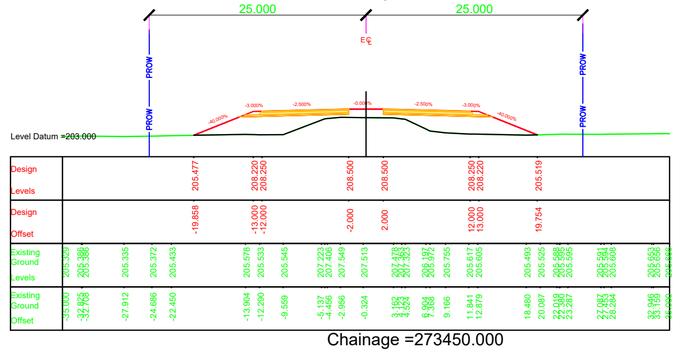


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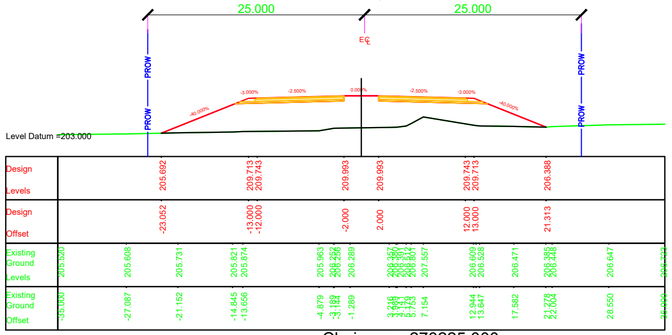


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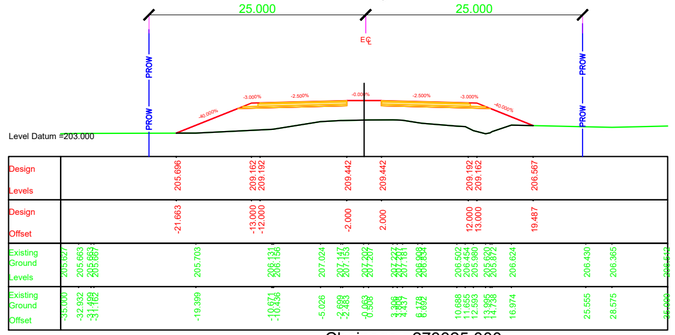


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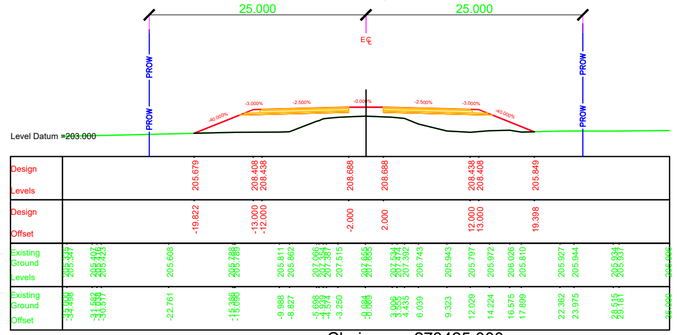


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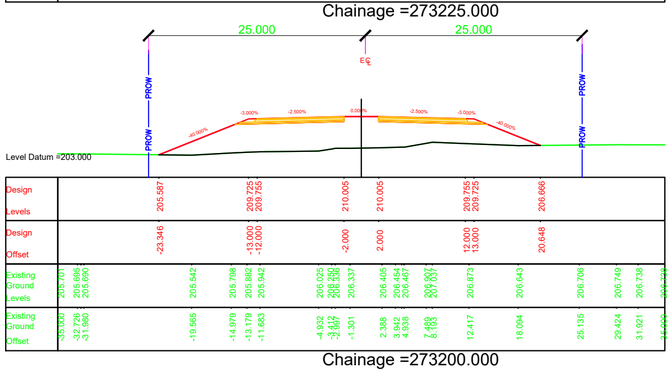


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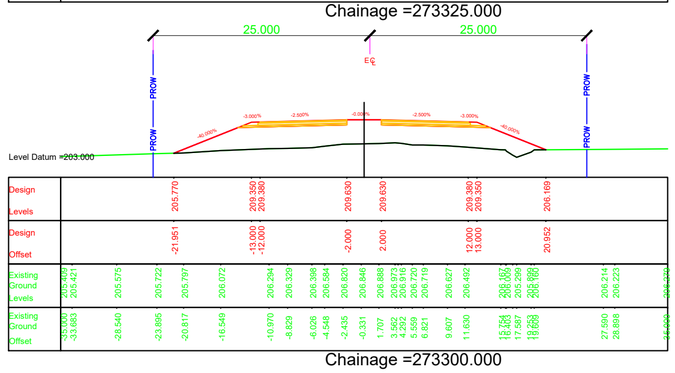


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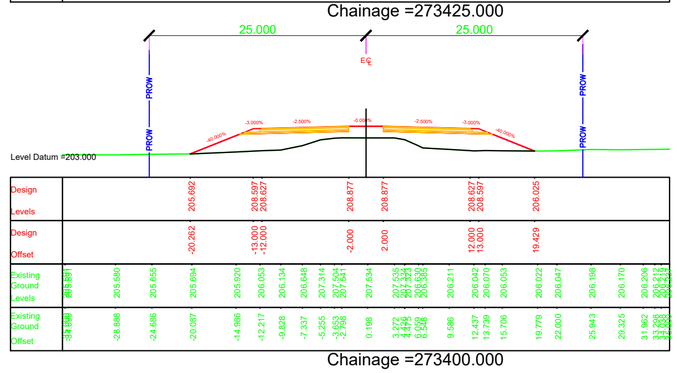
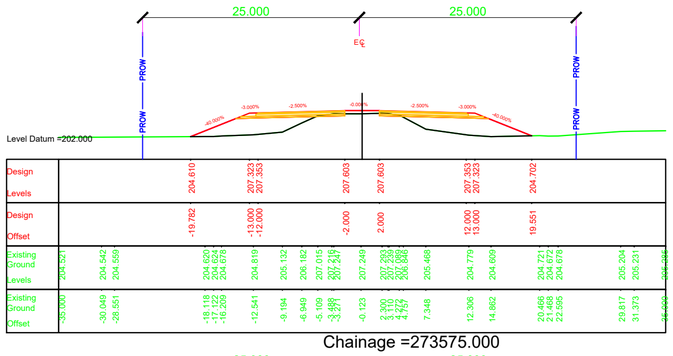



Chainage =273400.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 273+200 to Km 273+475<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 118 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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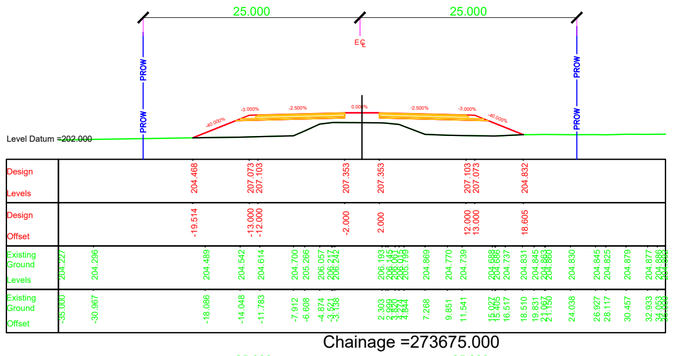


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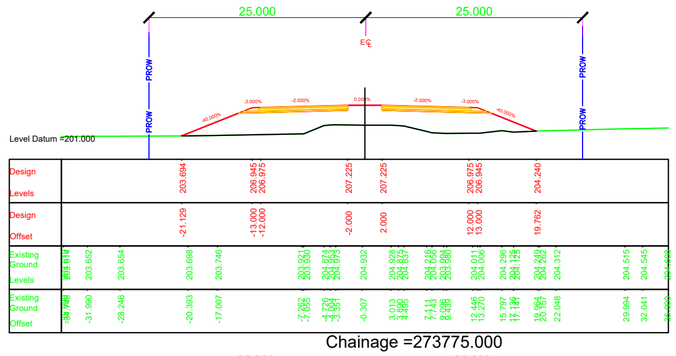


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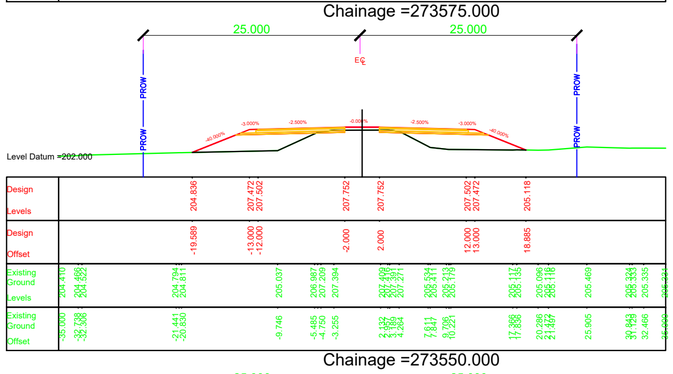


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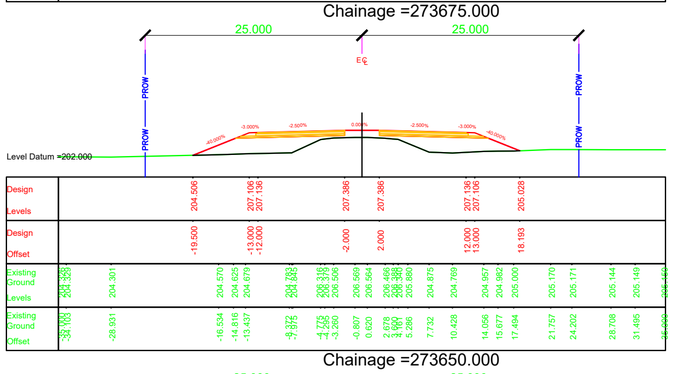


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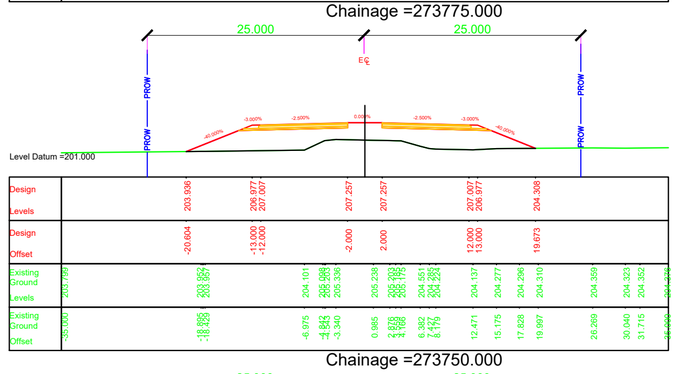


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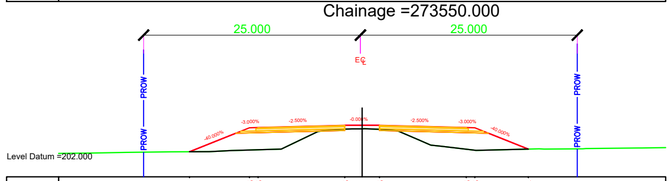


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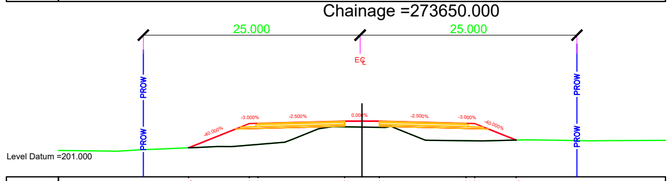


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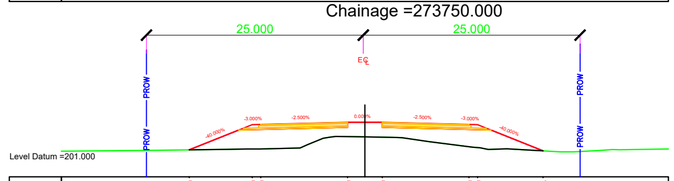


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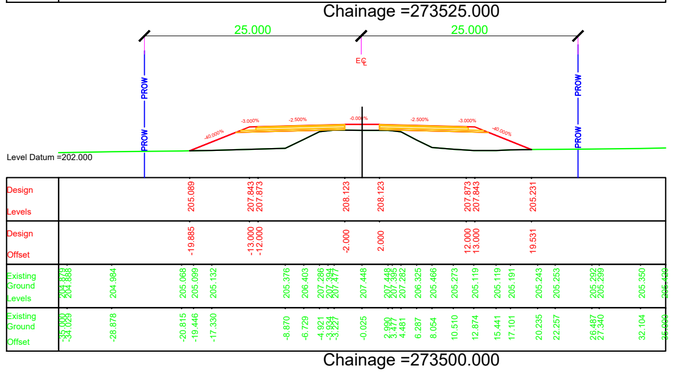


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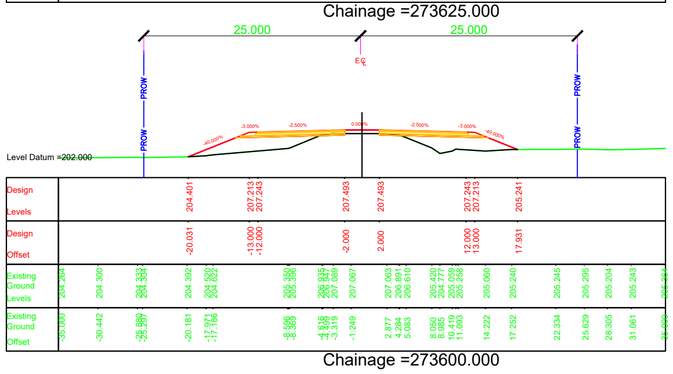


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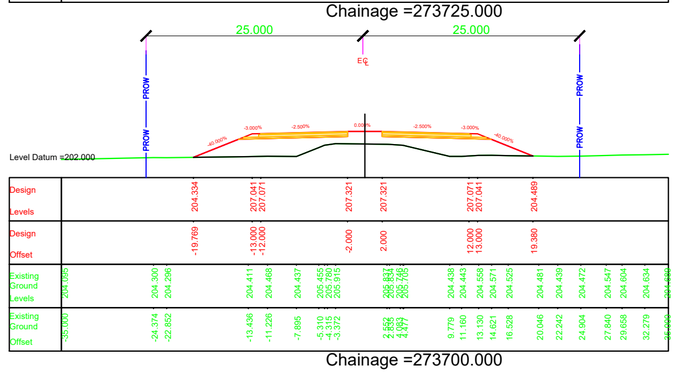


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NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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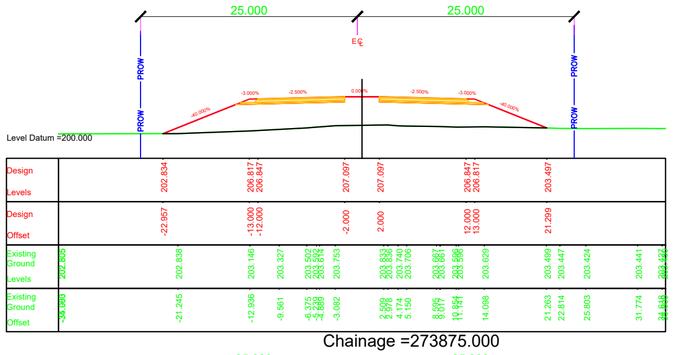
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

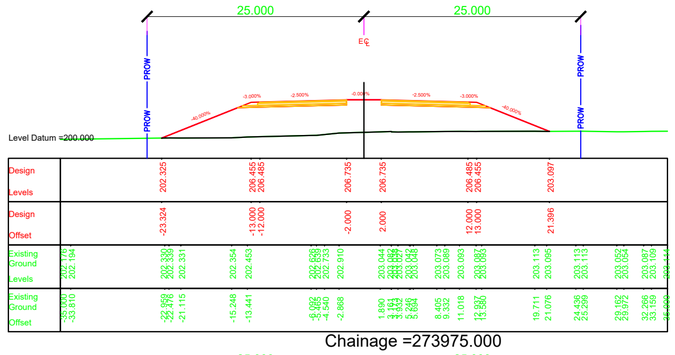
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 273+500 to Km 273+775 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

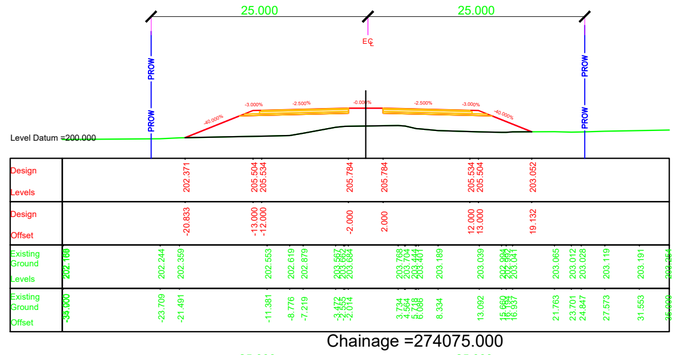
Date: JUNE 2023

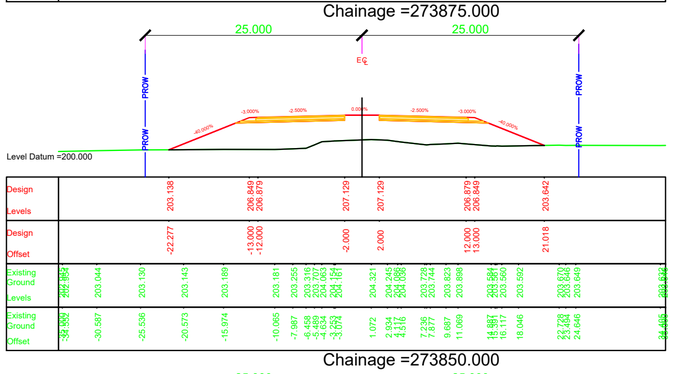
Drawing No. KDP/DDR/HIGHWAY/RCS- 119

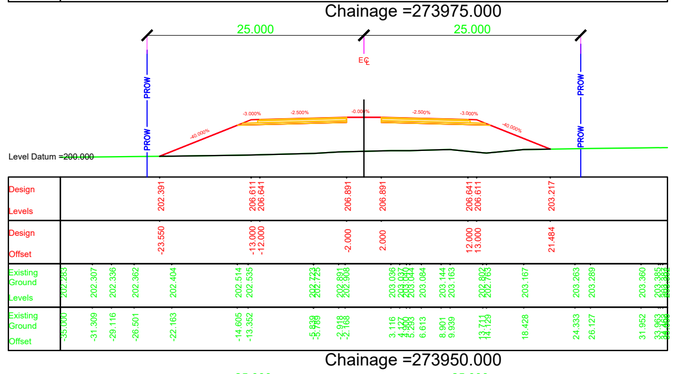
Sheet No.

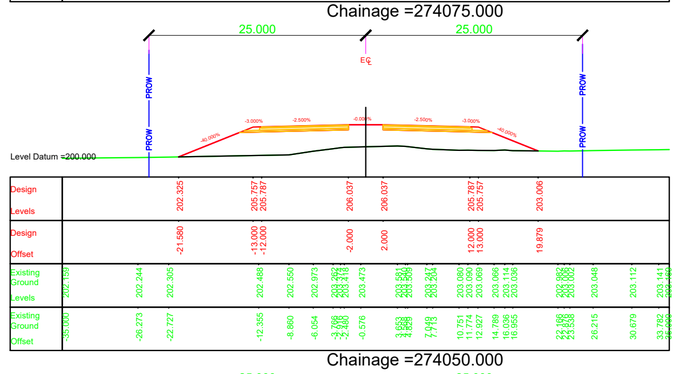


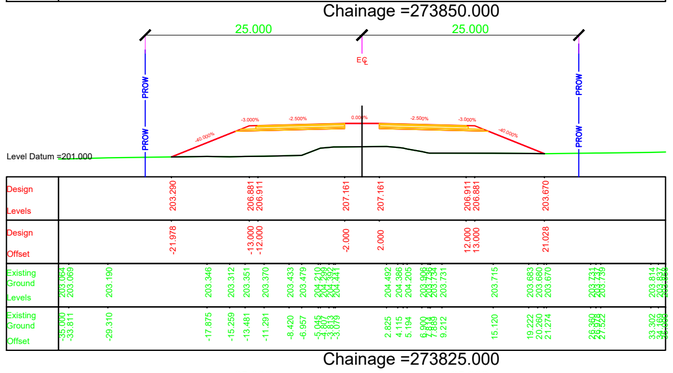



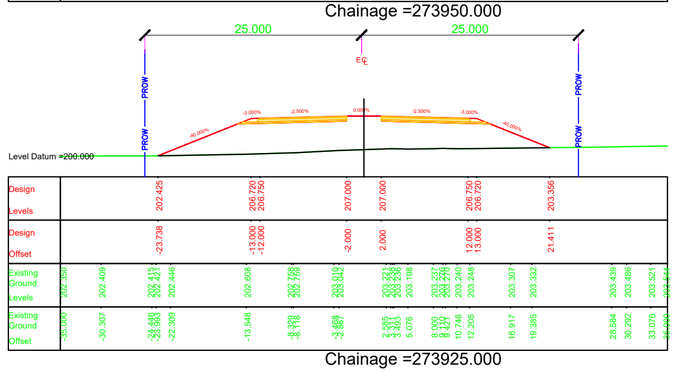



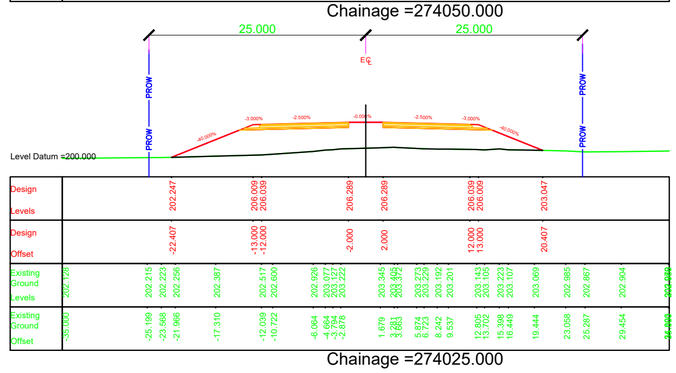



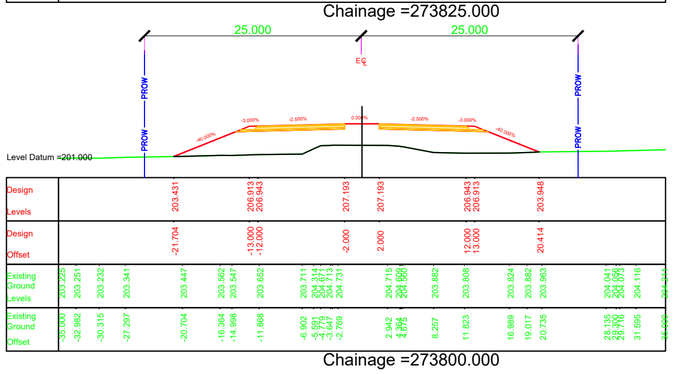



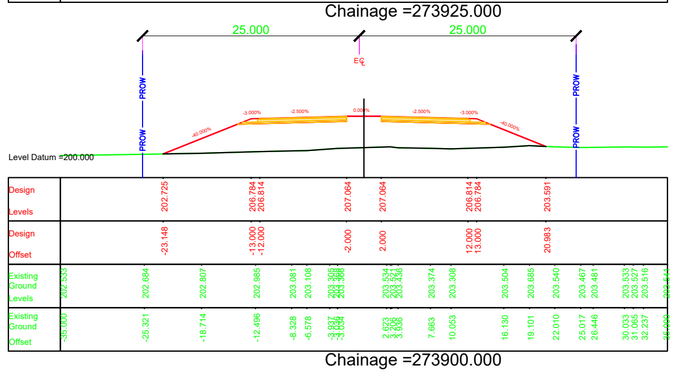



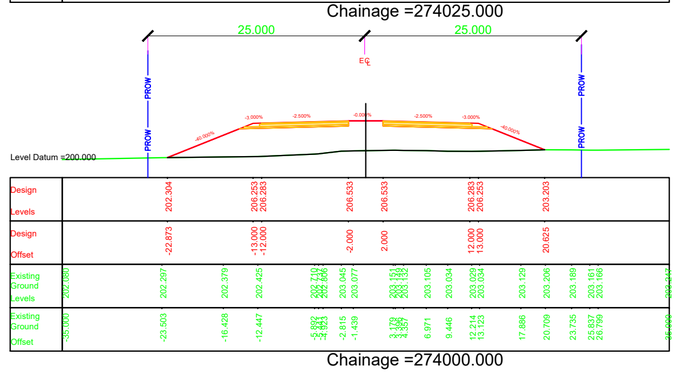



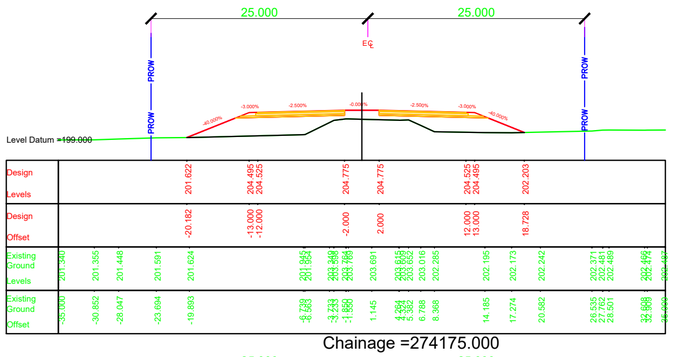



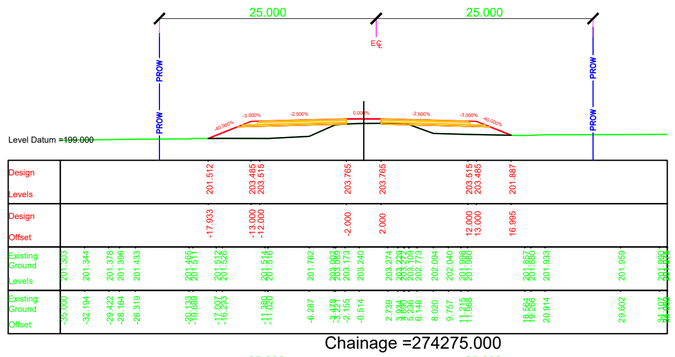



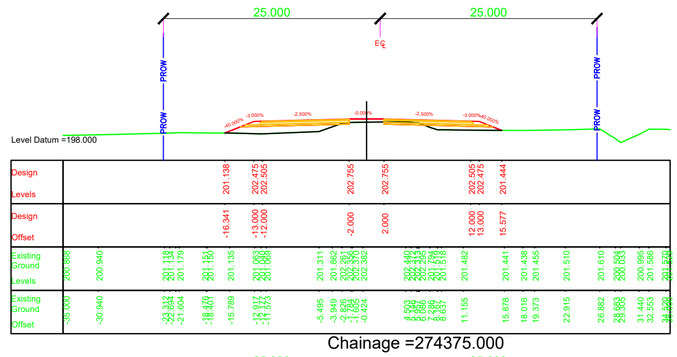

NOTES:

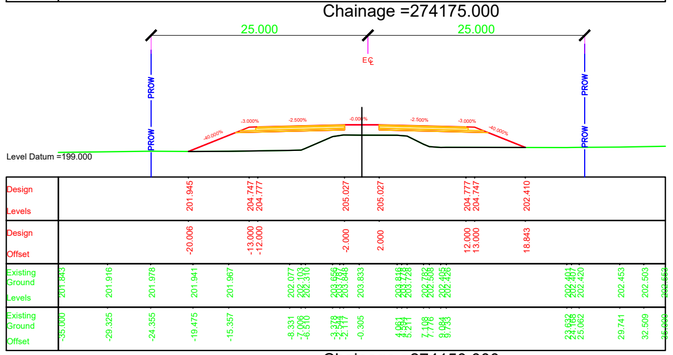
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

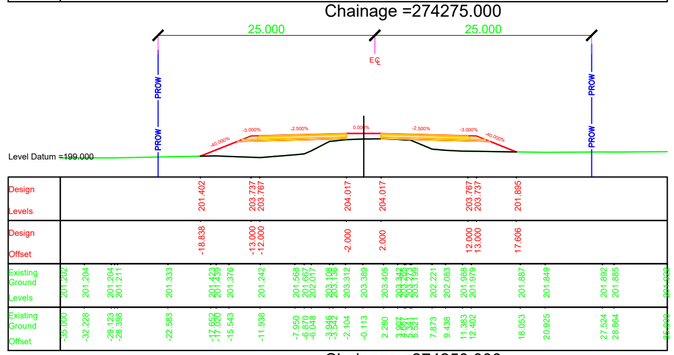
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | |
|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION<br>Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Scale: 1:500<br>Chainage: Km 273+800 to Km 274+075 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 120<br>Sheet No. |

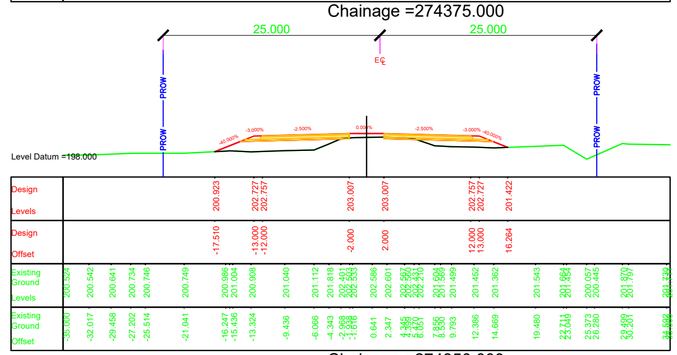


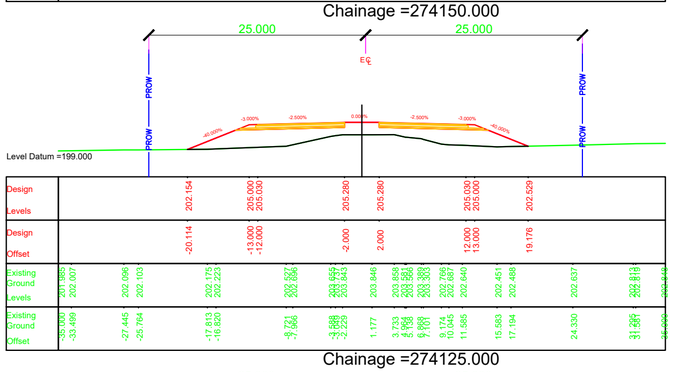



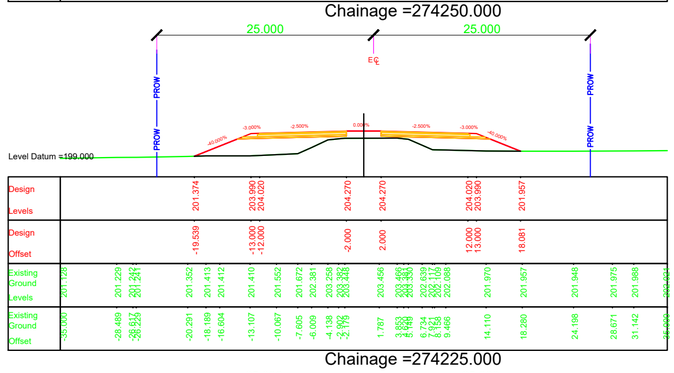



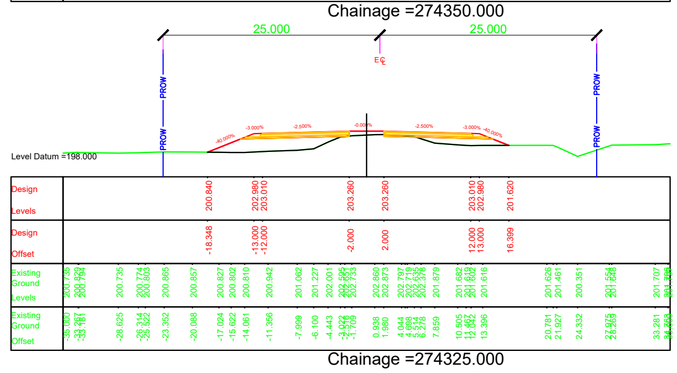



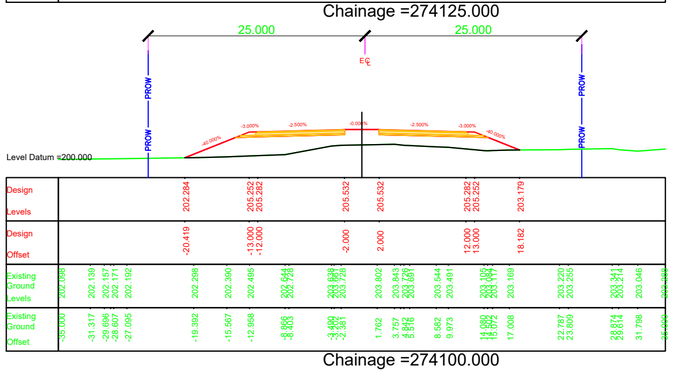



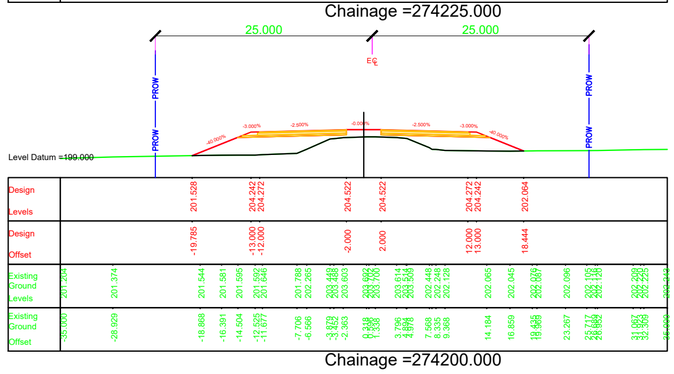



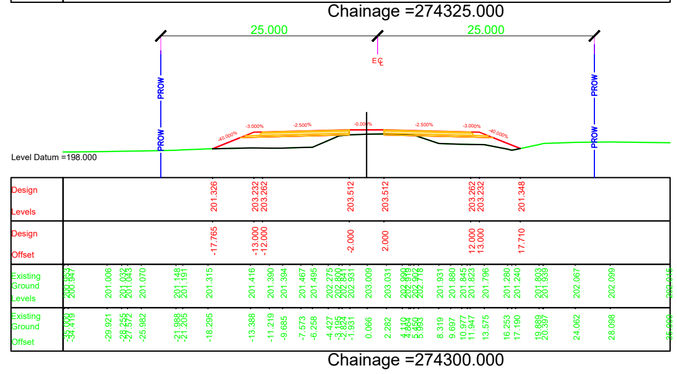




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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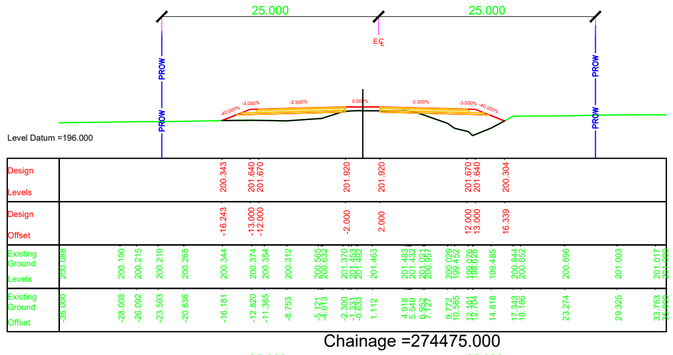
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 274+100 to Km 274+375 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 121 |
| | | Sheet No. |

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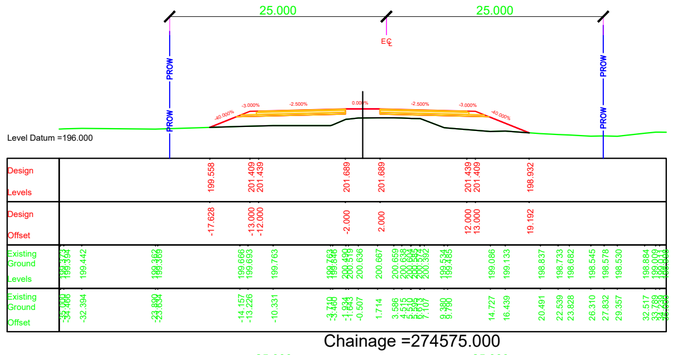


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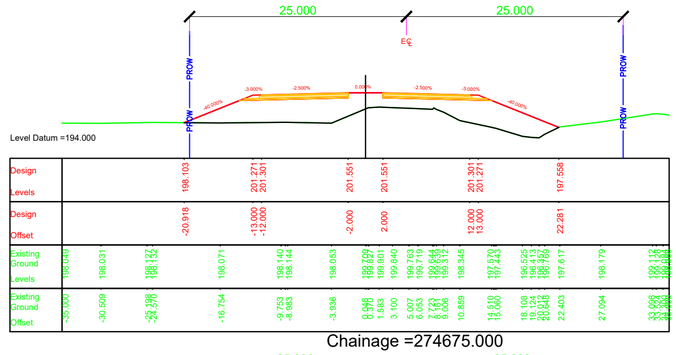


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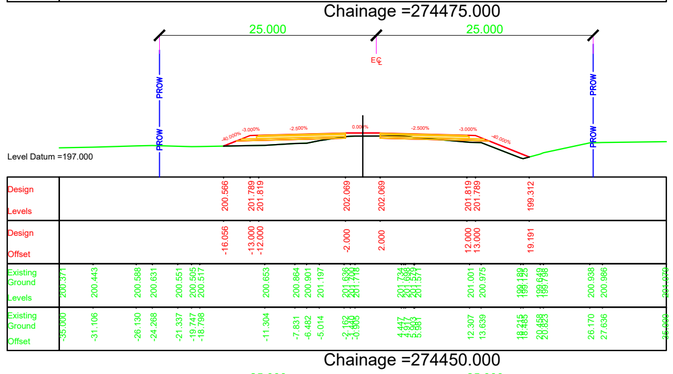


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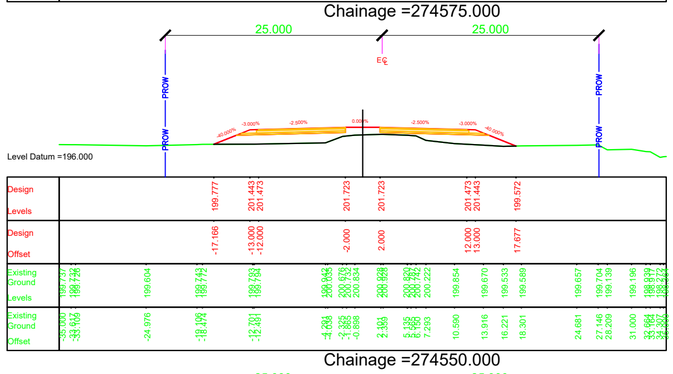


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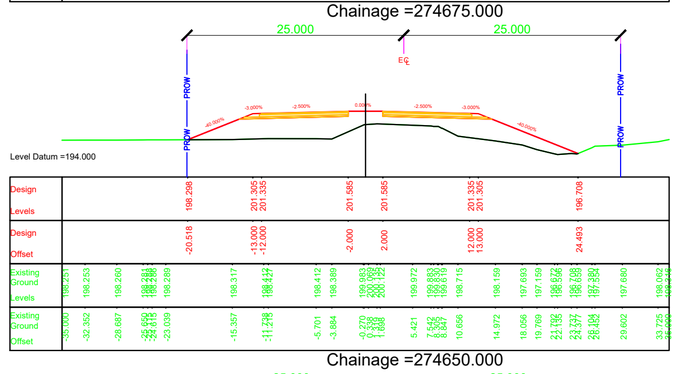


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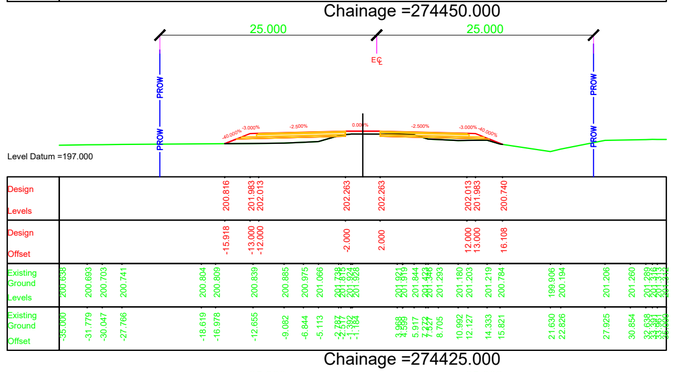


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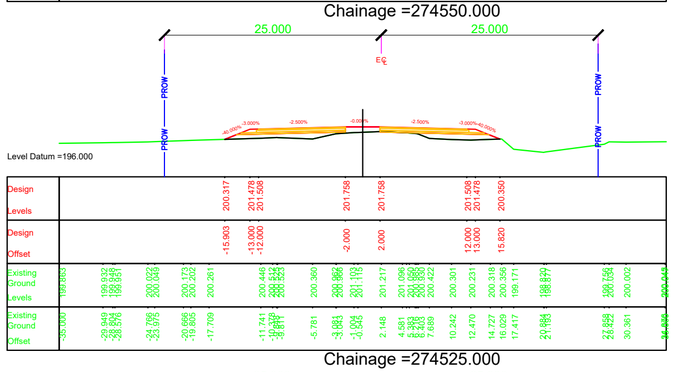


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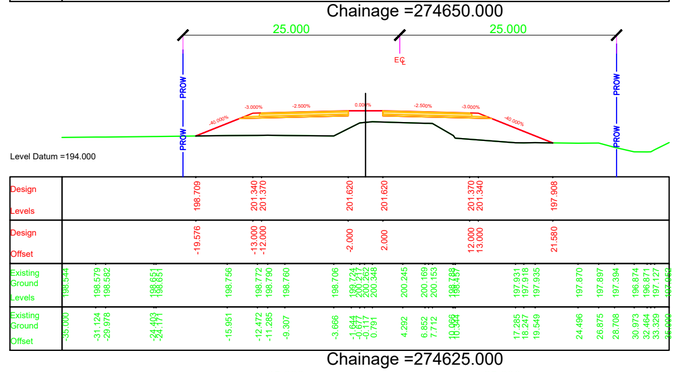


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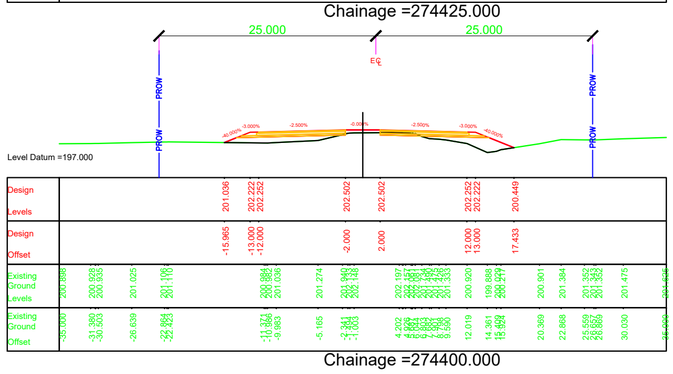


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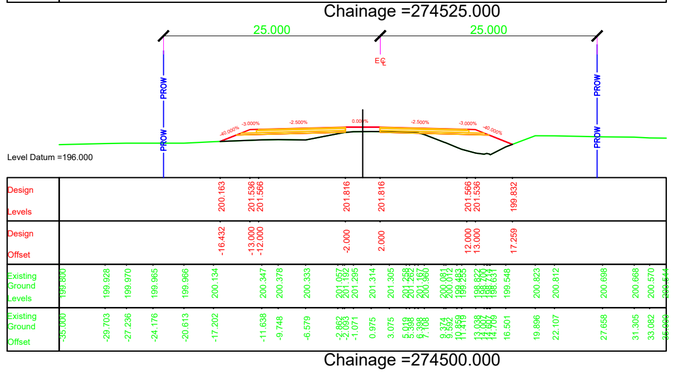


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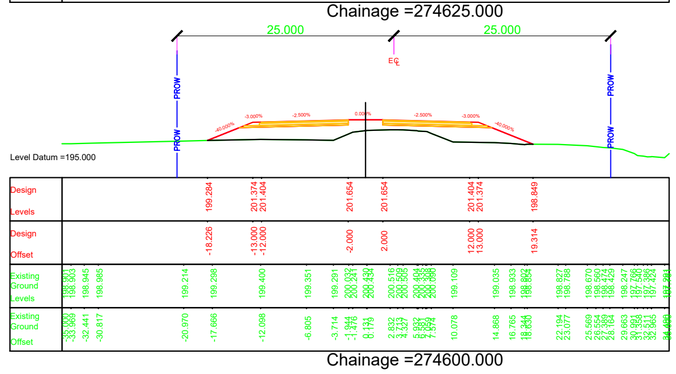



Chainage =274600.000

NOTES:

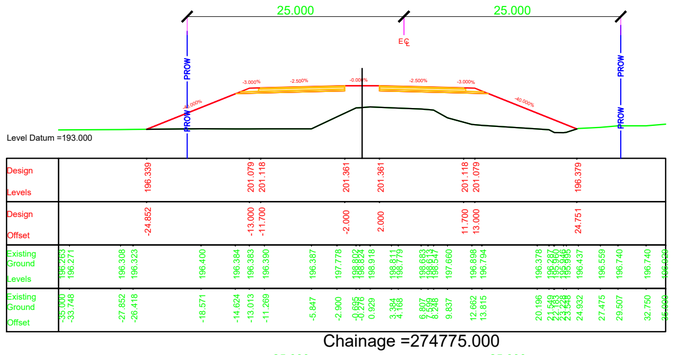
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 274+400 to Km 274+675 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 122

Sheet No.

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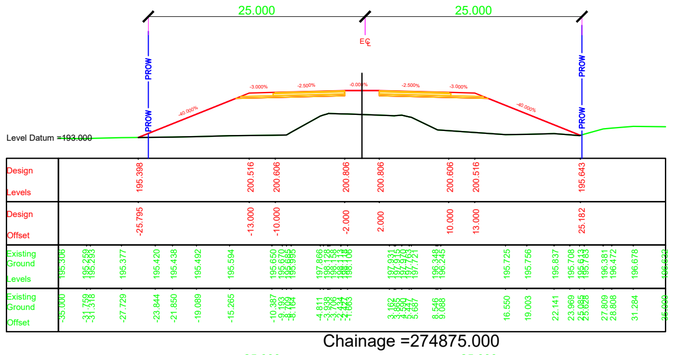


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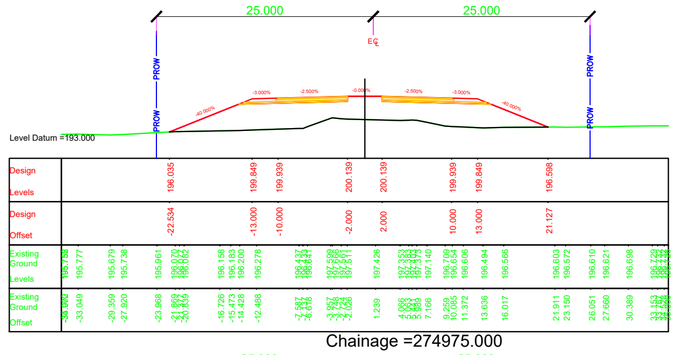


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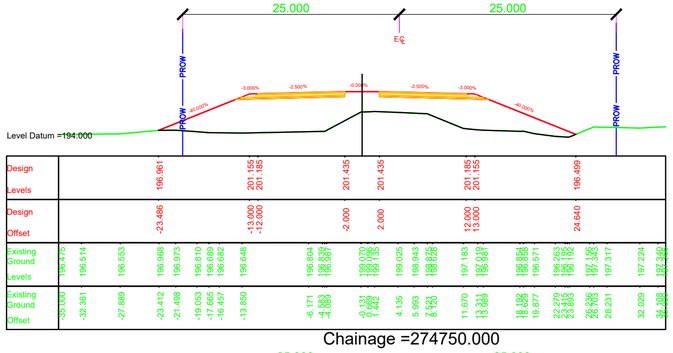


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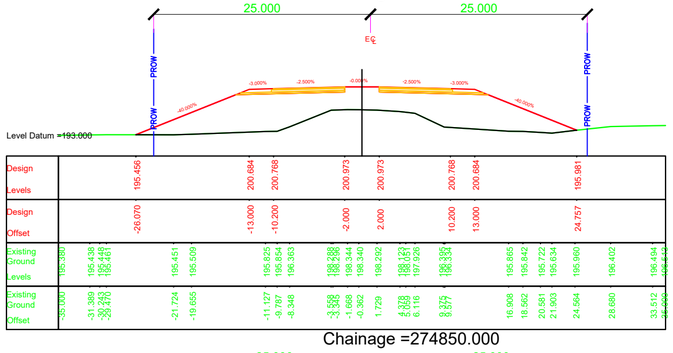


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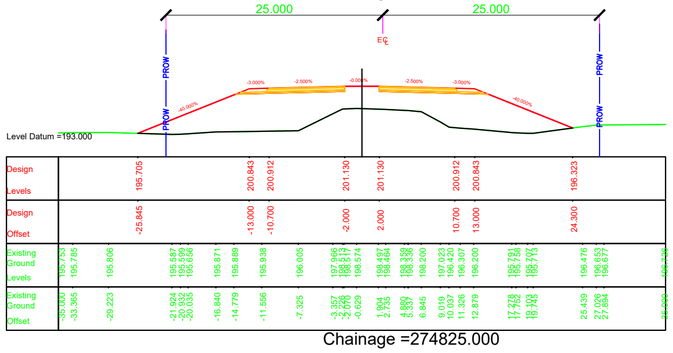


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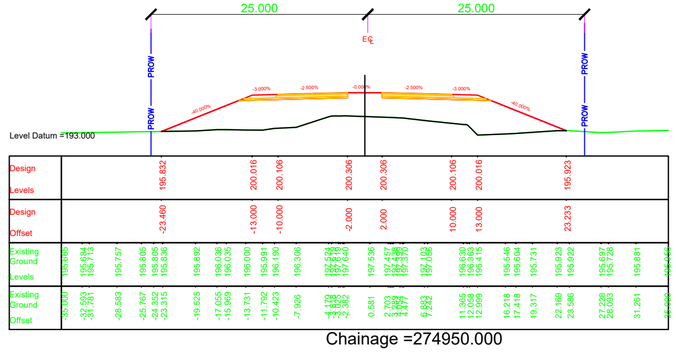


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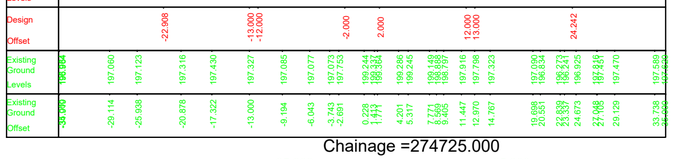



Chainage =274700.000




Chainage =274800.000




Chainage =274900.000

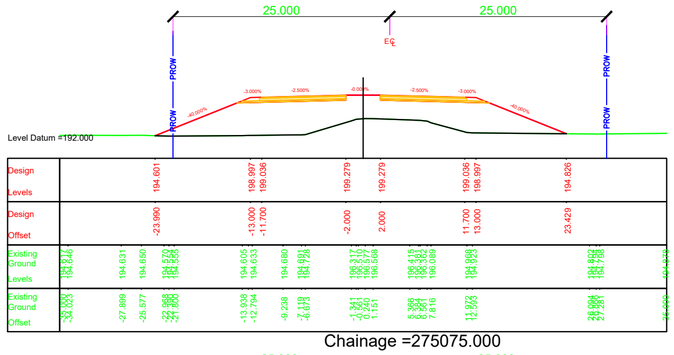
# BRIDGE LOCATION

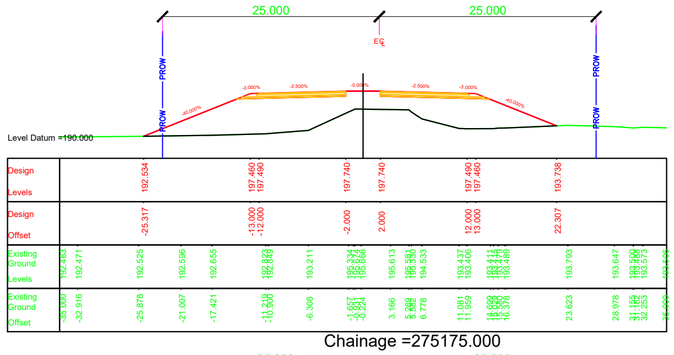
NOTES:

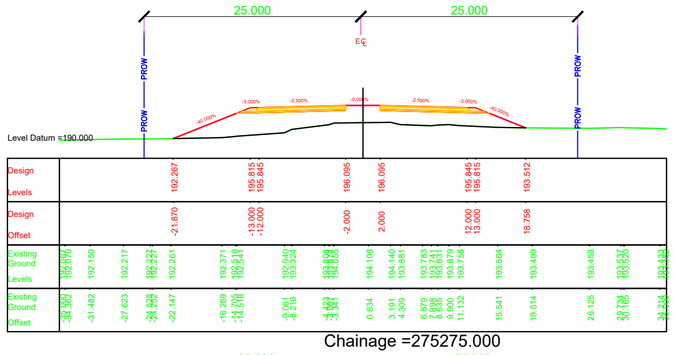
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

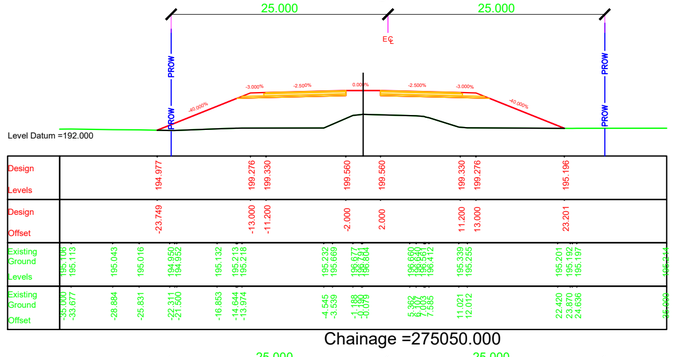
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

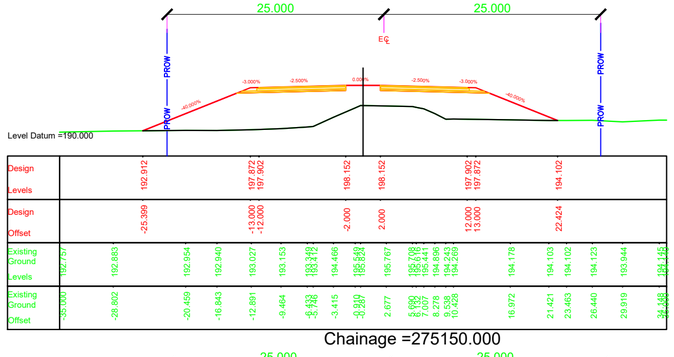
| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 | Date: JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | | | Drawing No. KDP/DDR/HIGHWAY/RCS- 123 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 274+700 to Km 274+975 | Sheet No. |

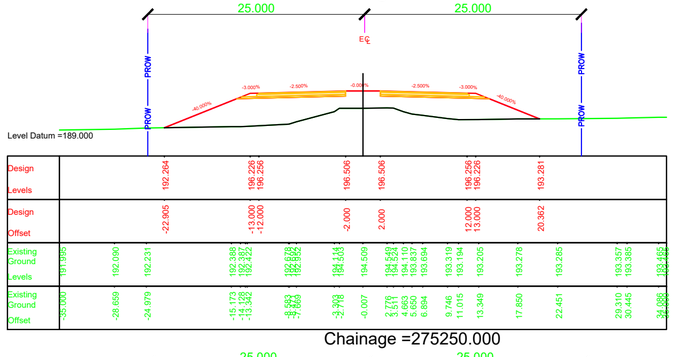


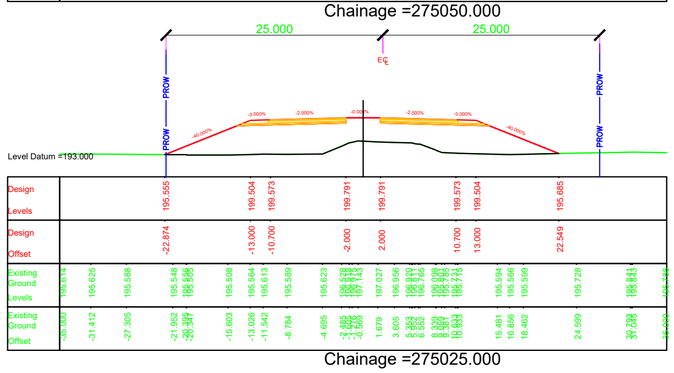



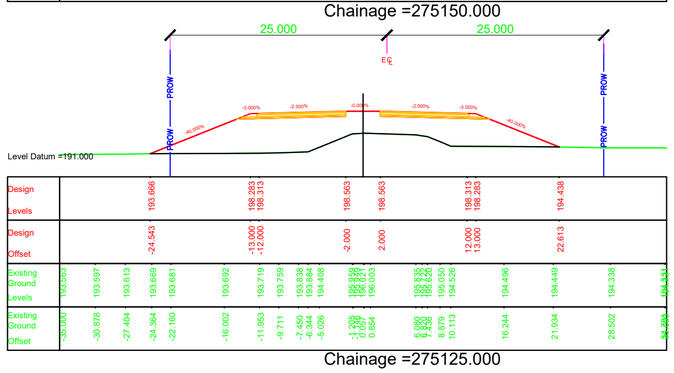



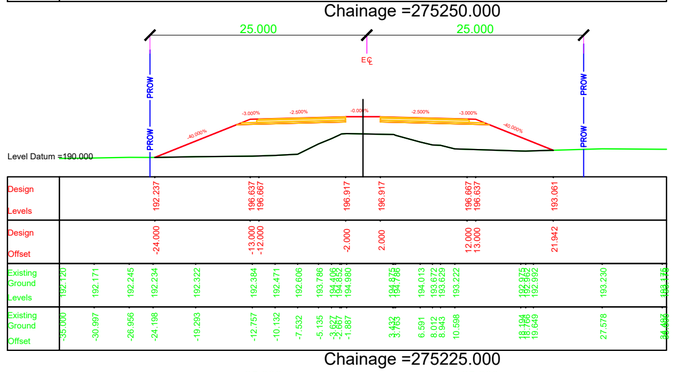



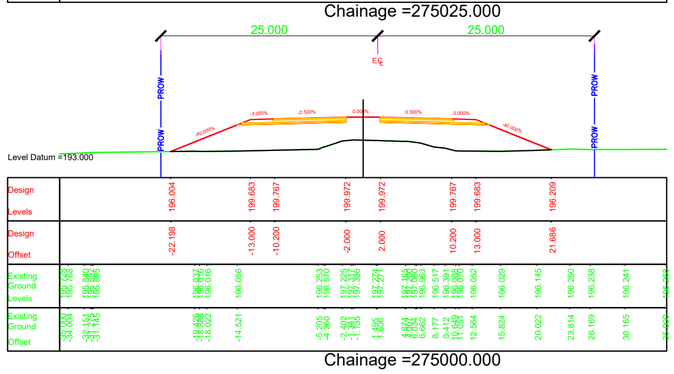



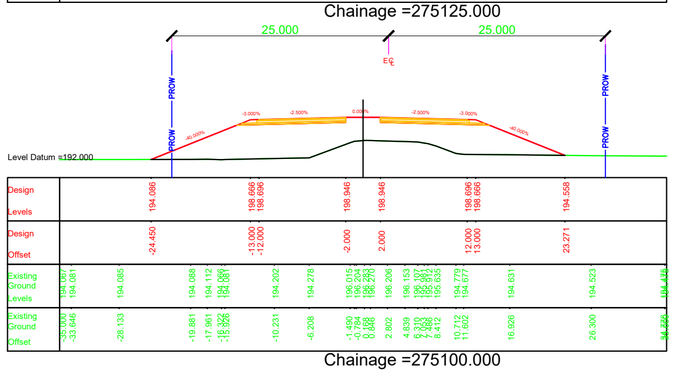



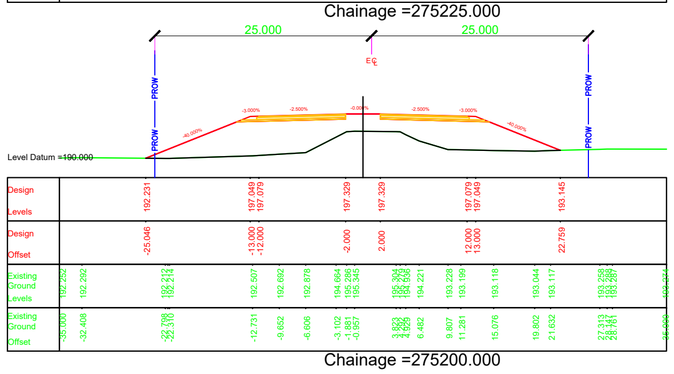



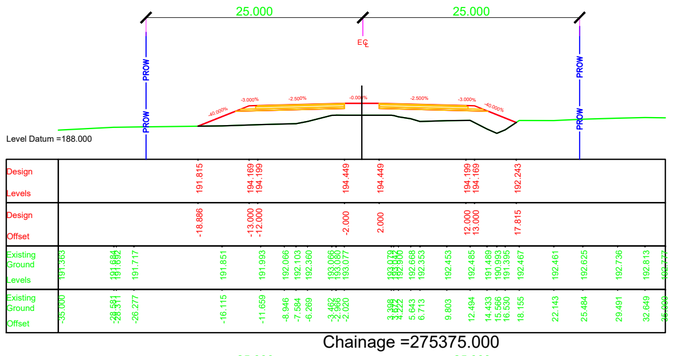



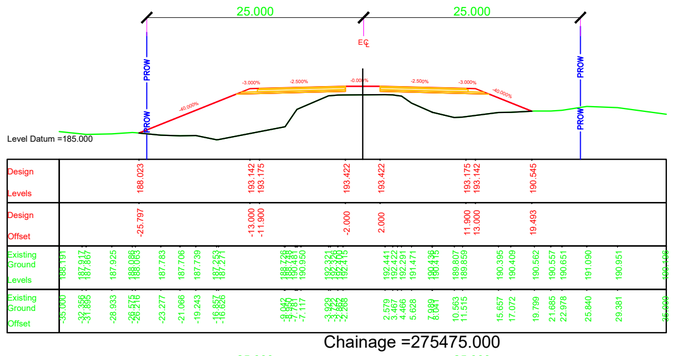

NOTES:

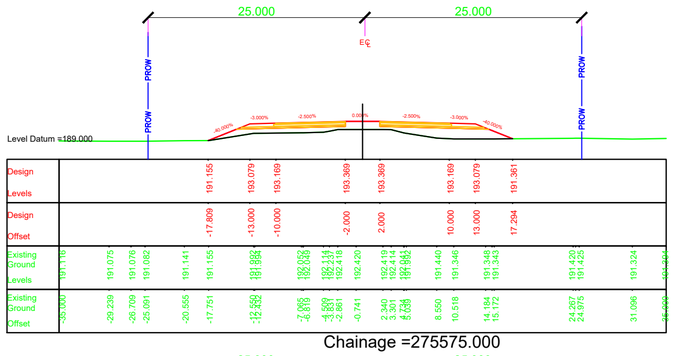
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

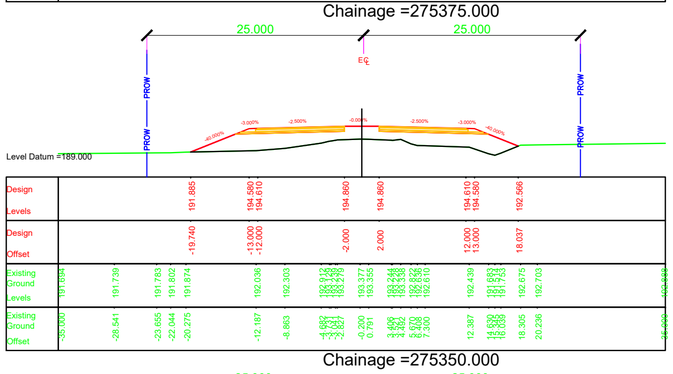
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

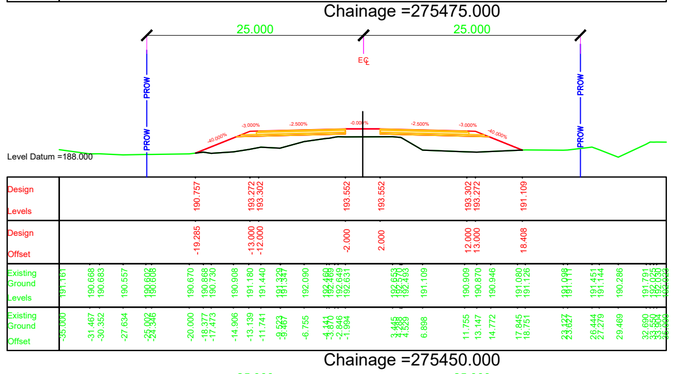
| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 275+000 to Km 265+275 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 124<br>Sheet No. |

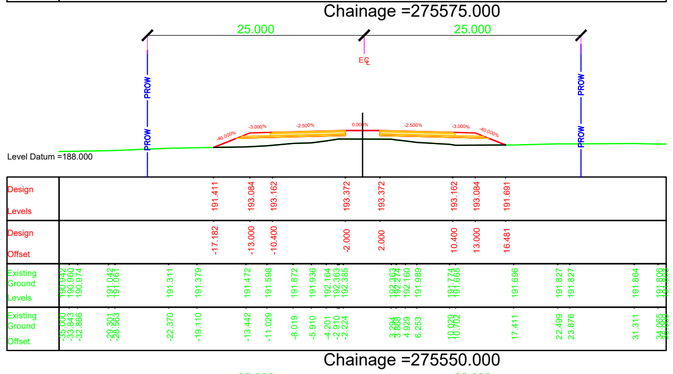


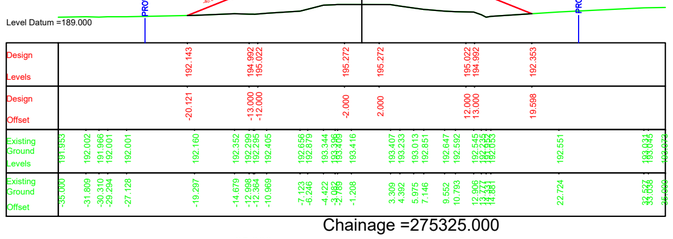



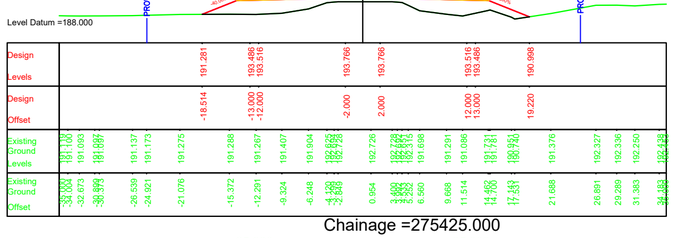



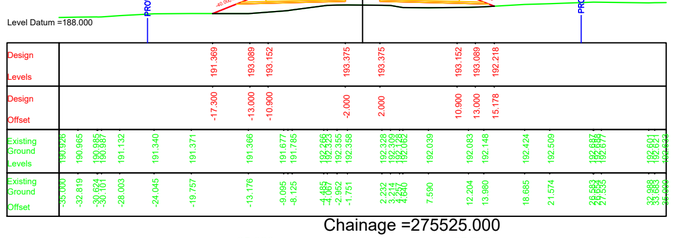



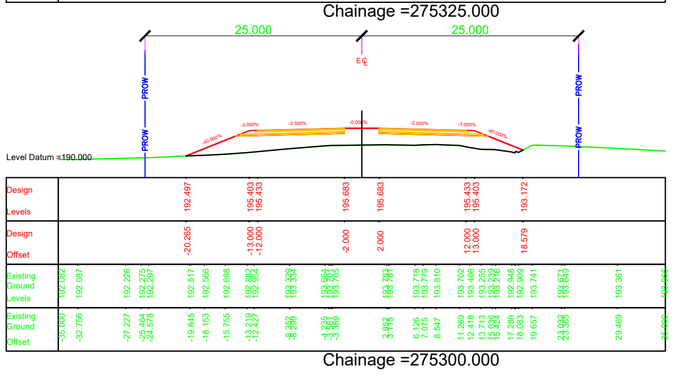



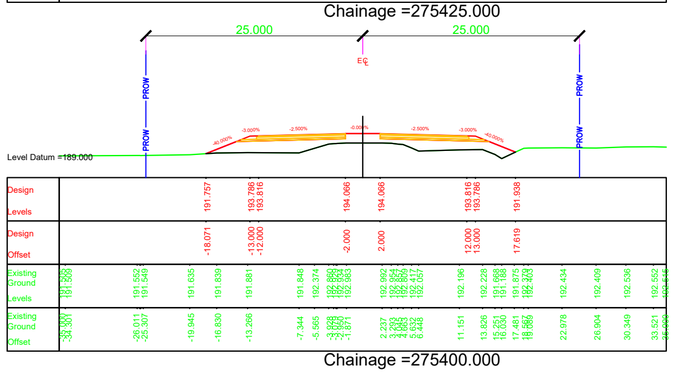



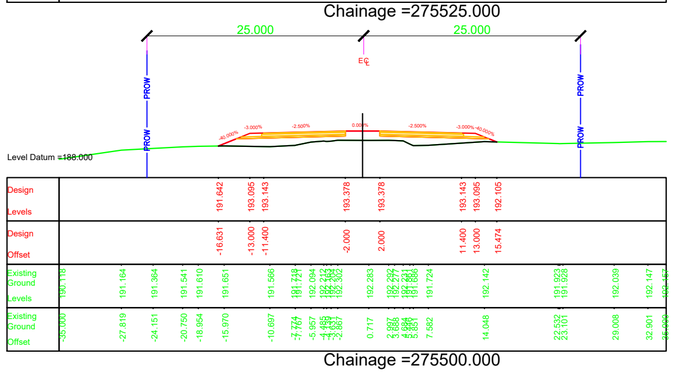



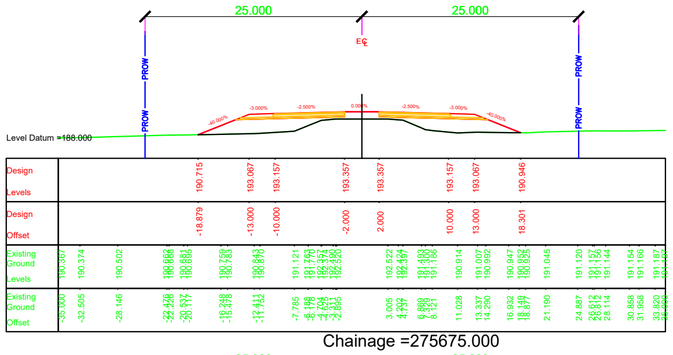




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 275+300 to Km 275+575 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 125 |
| | | Sheet No. |

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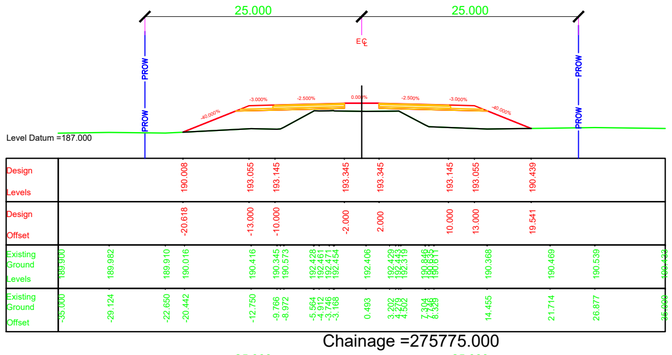


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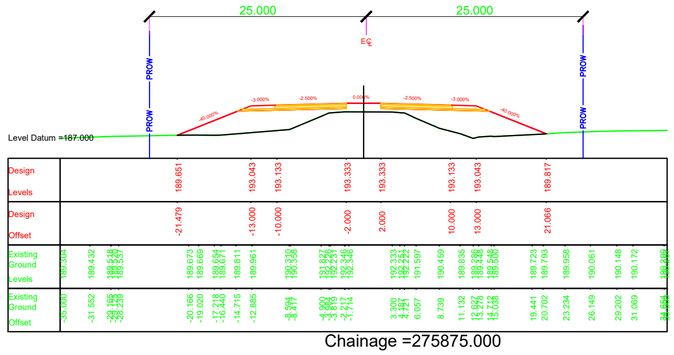


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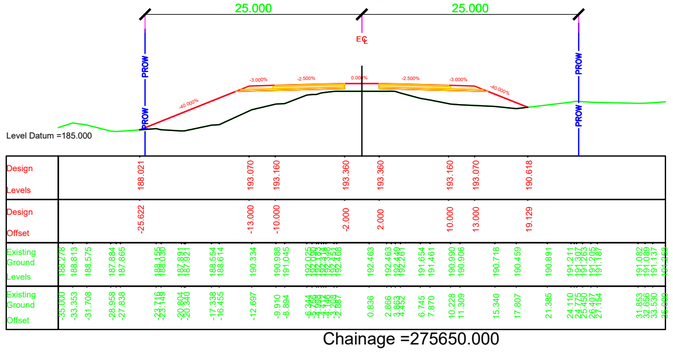


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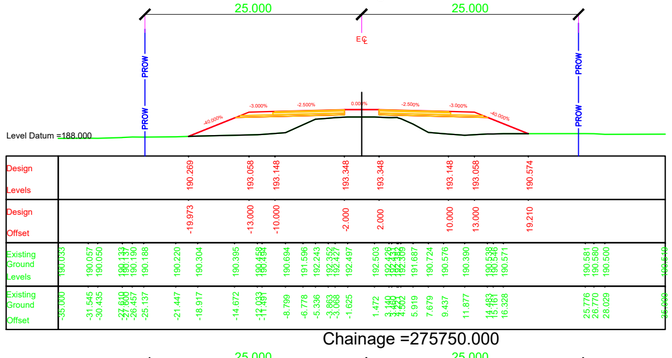


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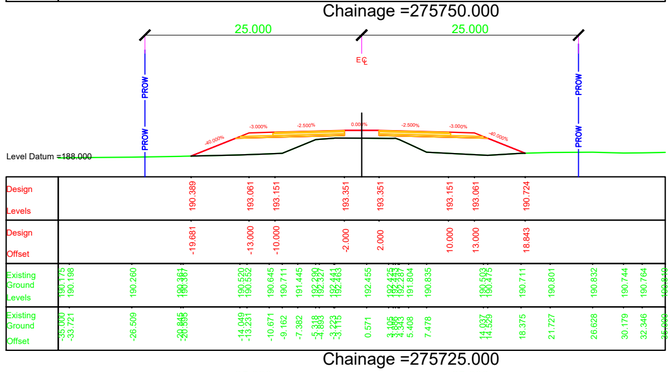
# BRIDGE LOCATION

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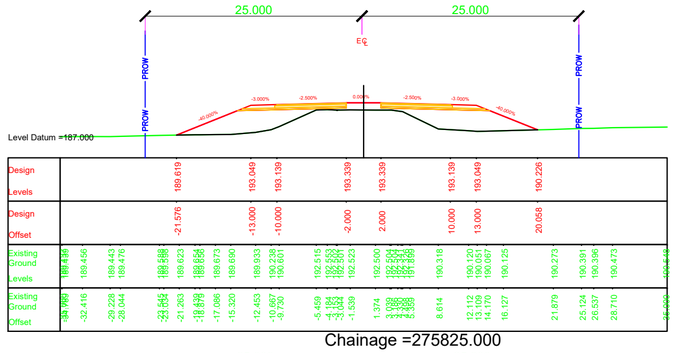


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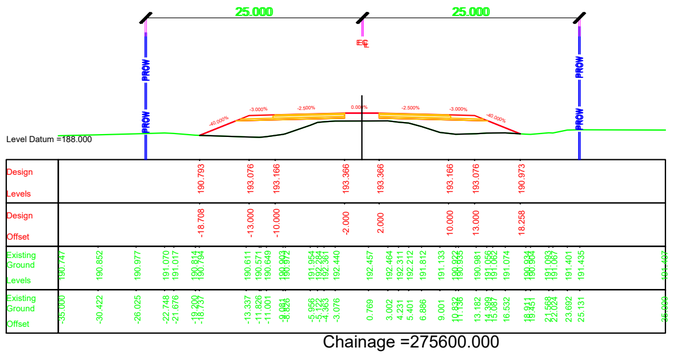


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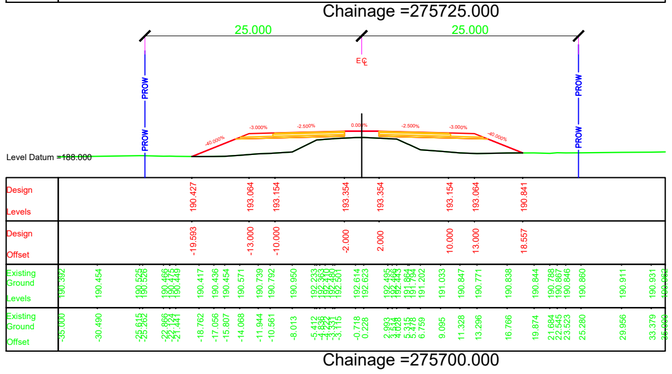


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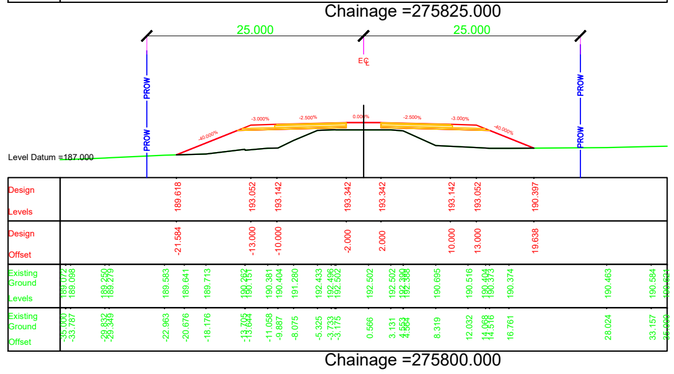
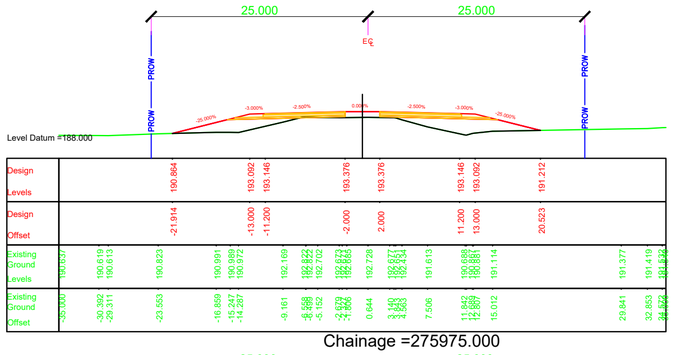



Chainage =275800.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 275+600 to Km 275+875<br>Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 126 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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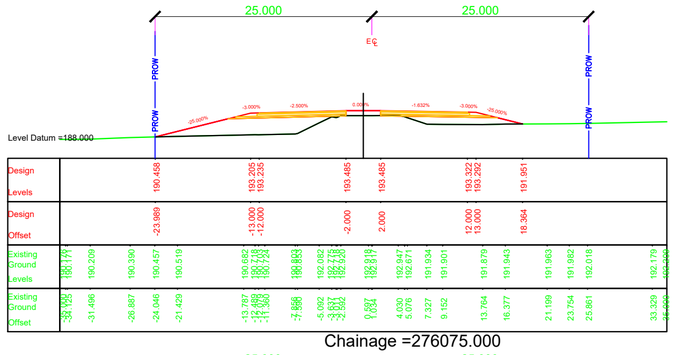


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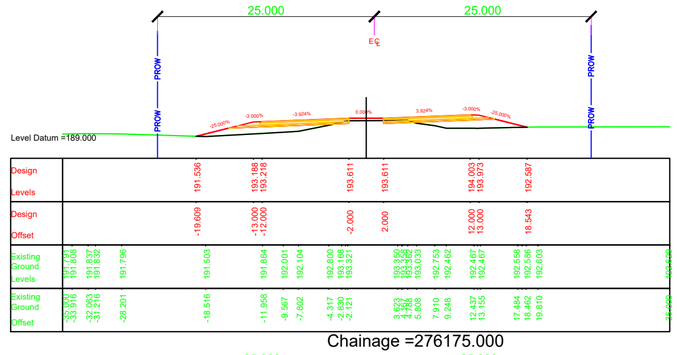


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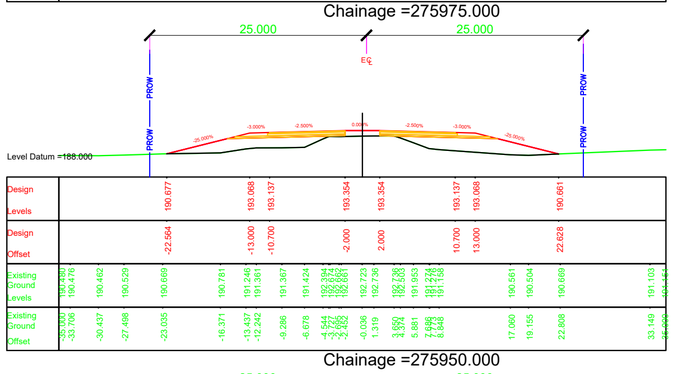


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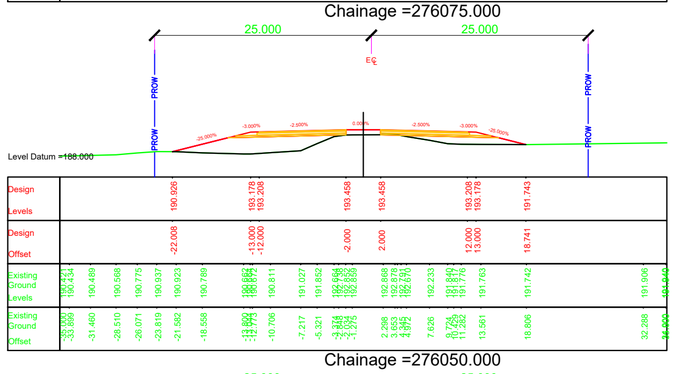


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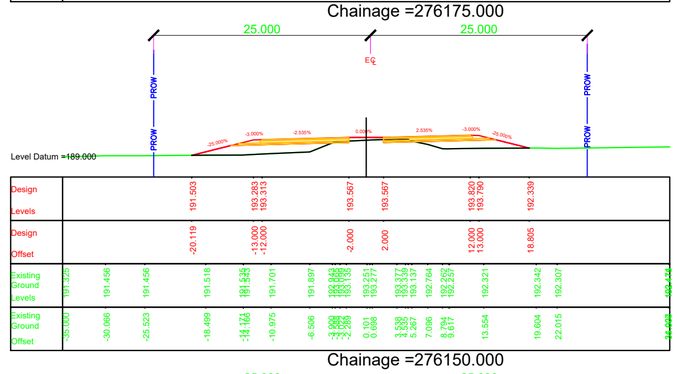


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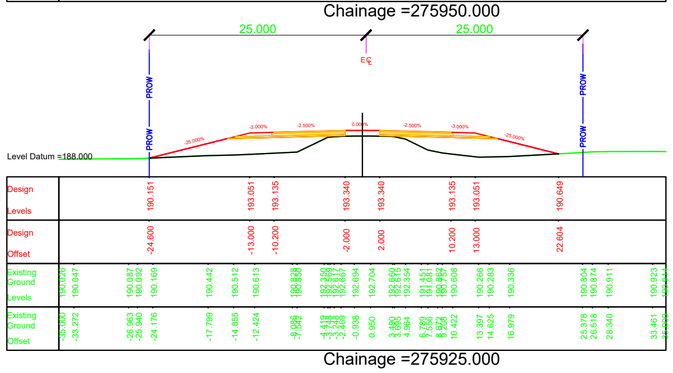


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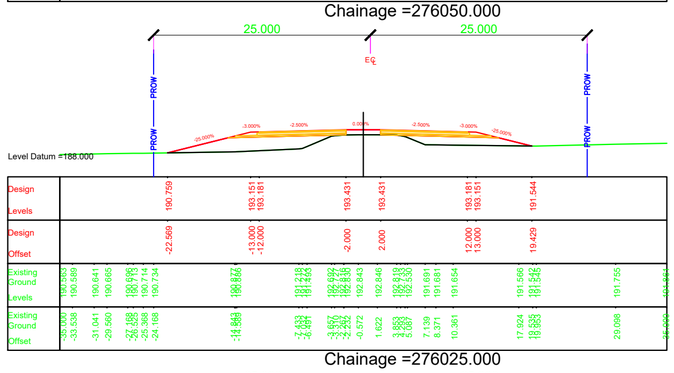


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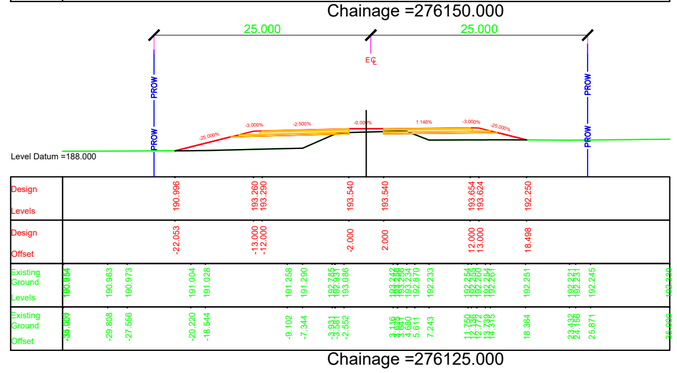


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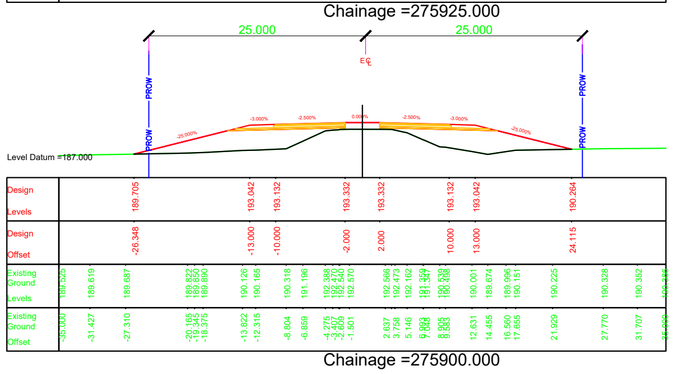


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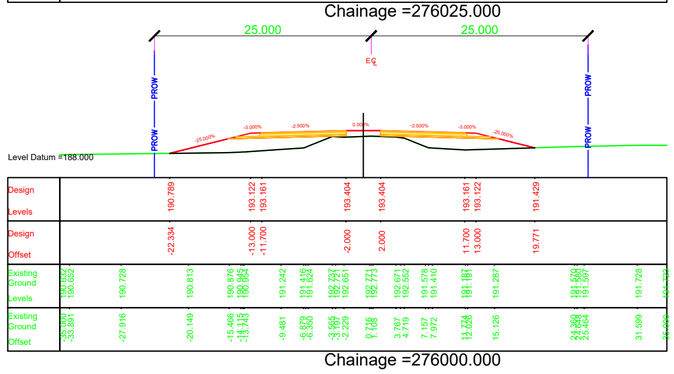


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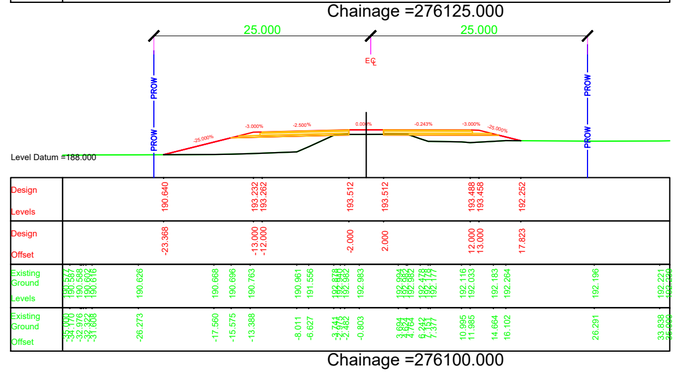


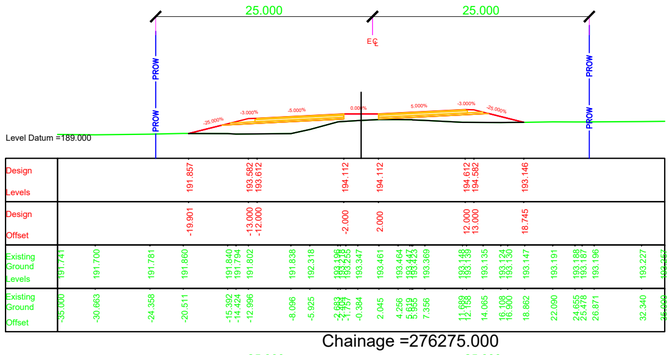

Chainage =276100.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 275+900 to Km 276+175 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

| Date: | JUNE 2023 |
|---|---|
| Drawing No. | KDP/DDR/HIGHWAY/RCS- 127 |
| Sheet No. | |

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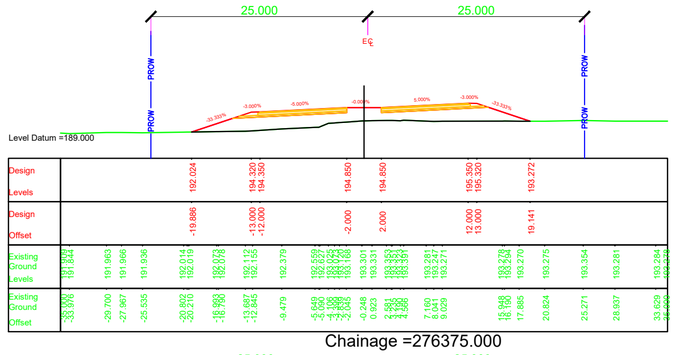
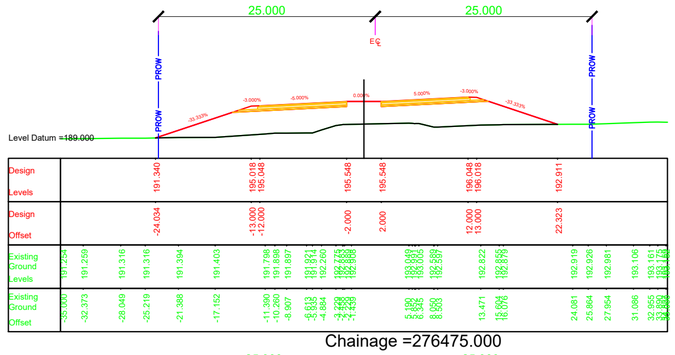



Chainage =276375.000

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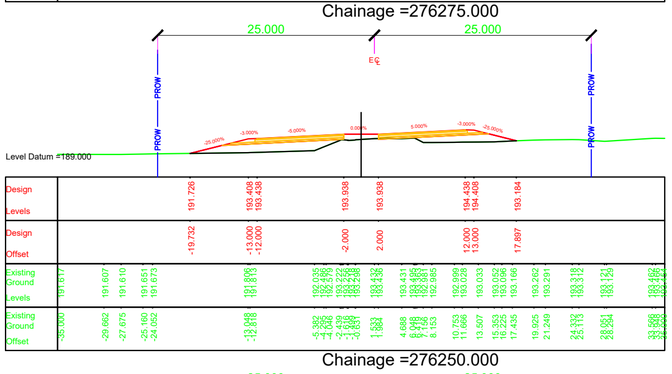


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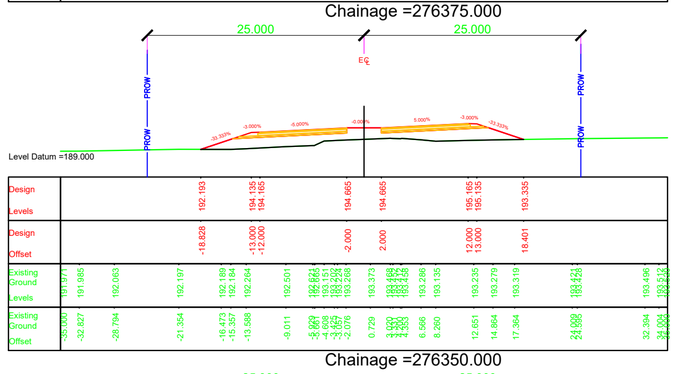


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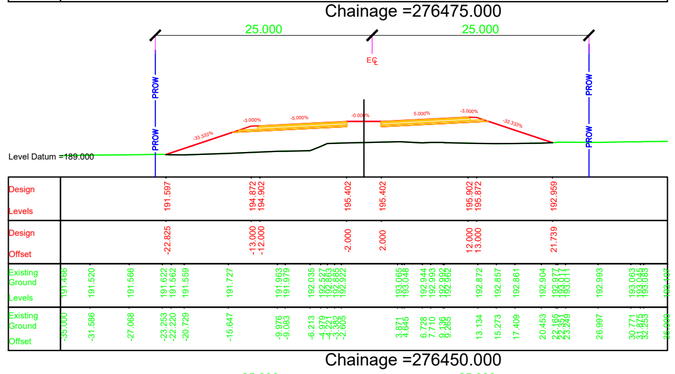


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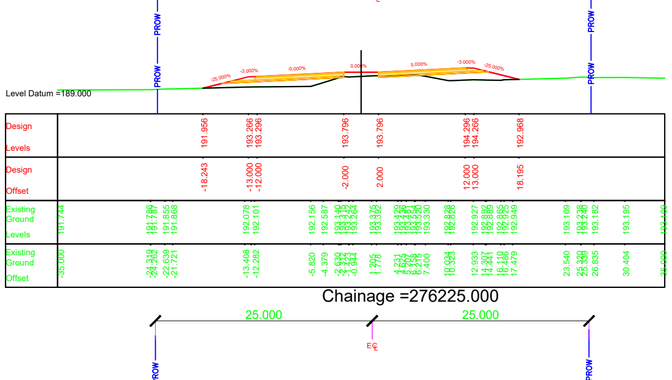


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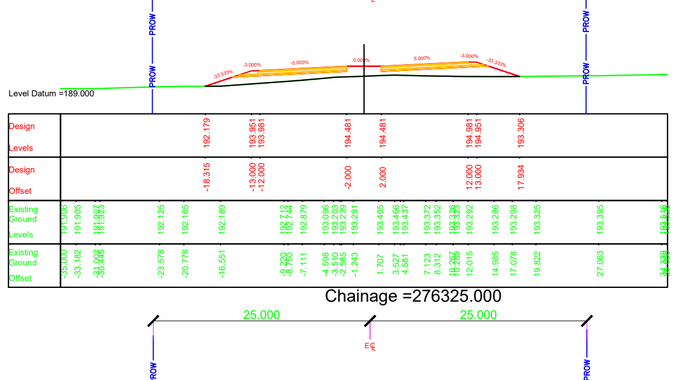


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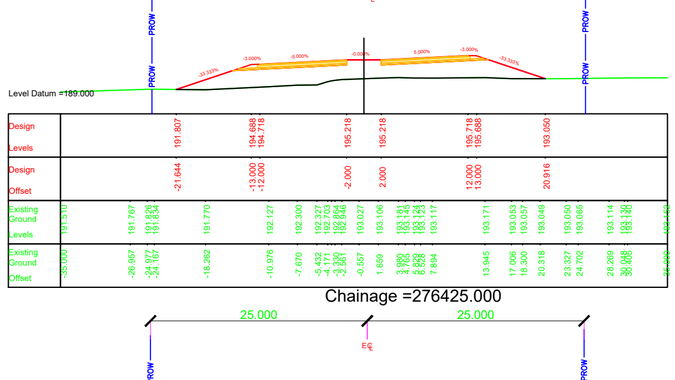


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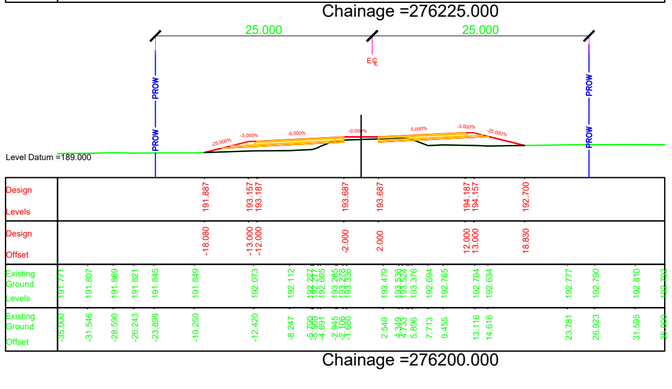


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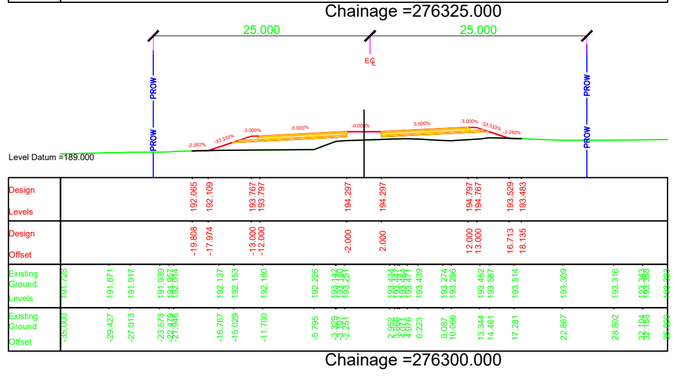


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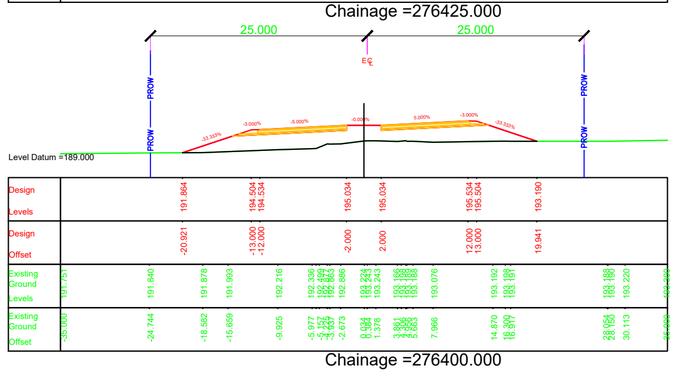
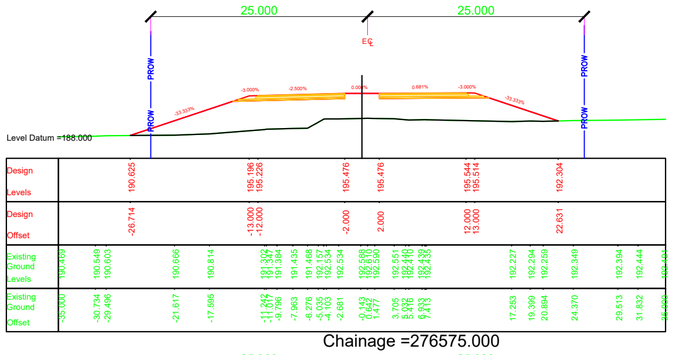


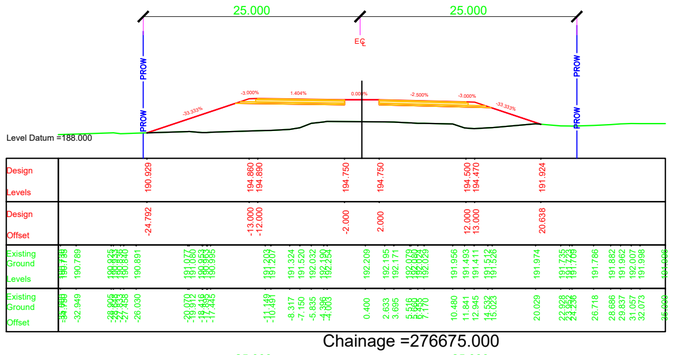

Chainage =276400.000

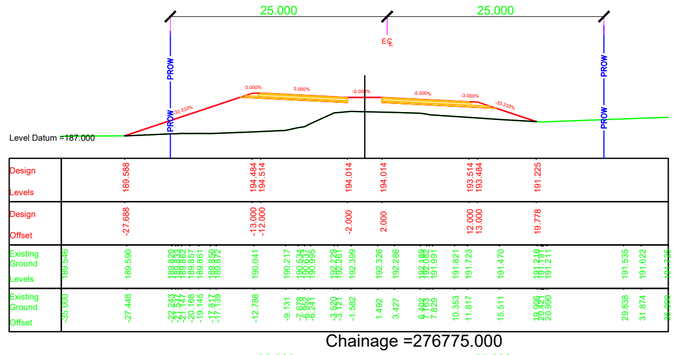
NOTES:

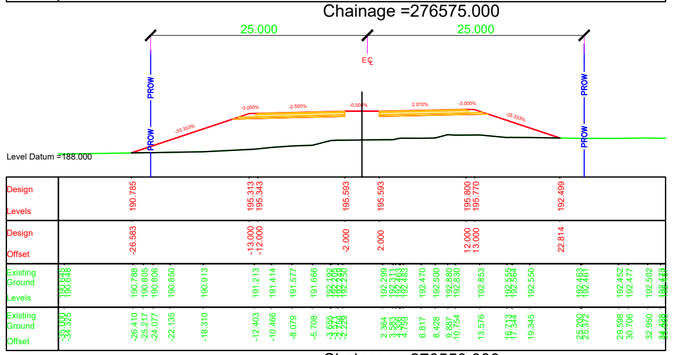
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

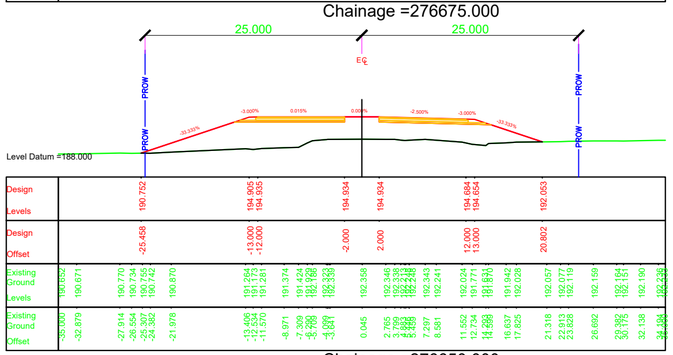
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 276+200 to Km 276+475<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 128 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

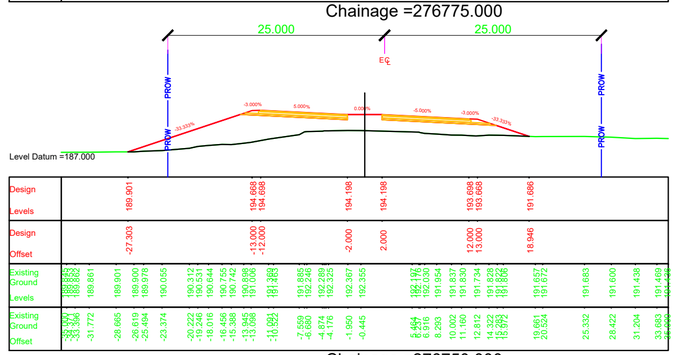


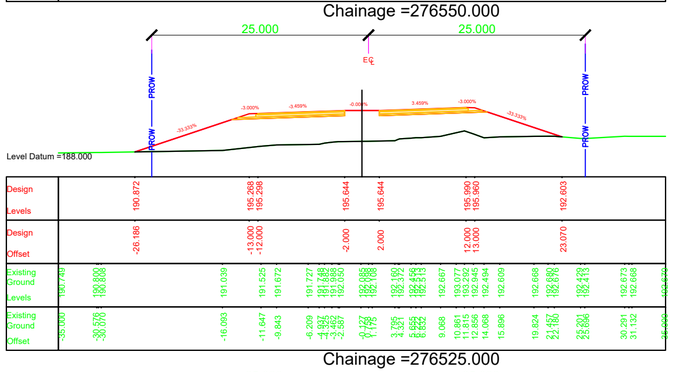



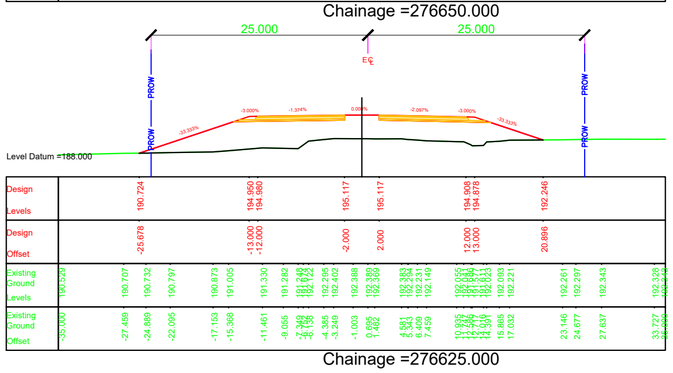



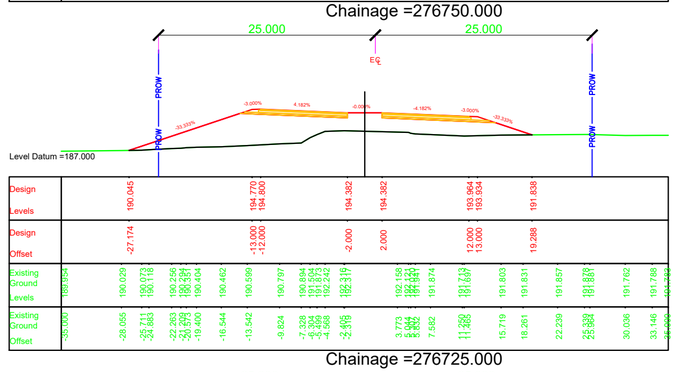



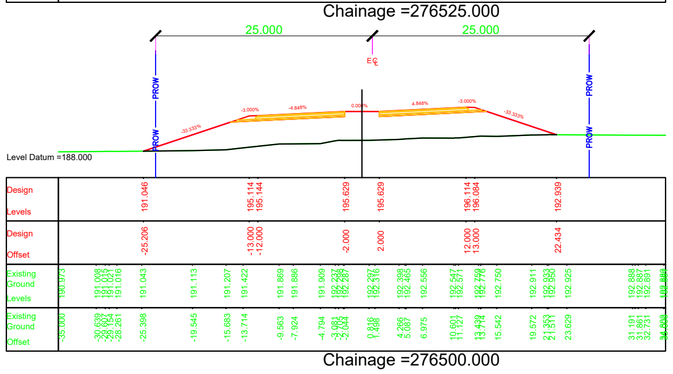



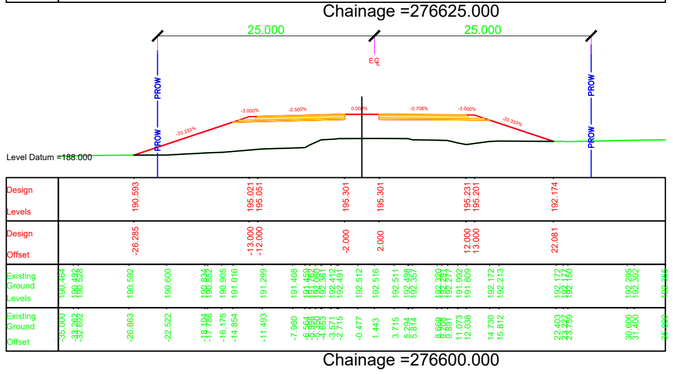



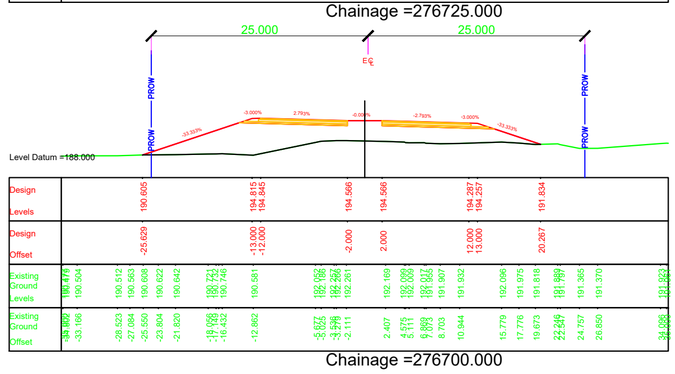



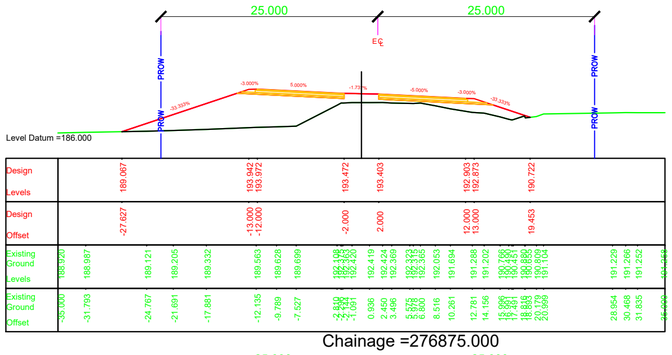




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | |
|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 276+500 to Km 276+775 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 129 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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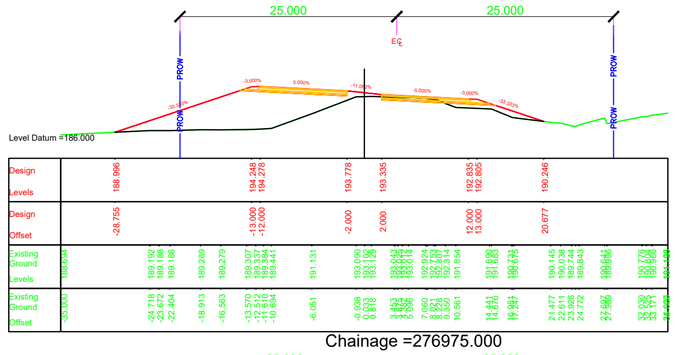


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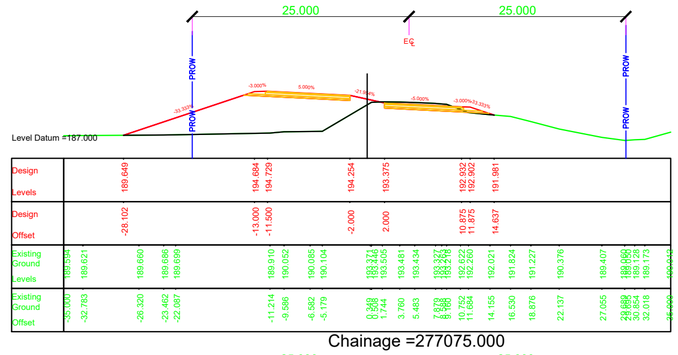


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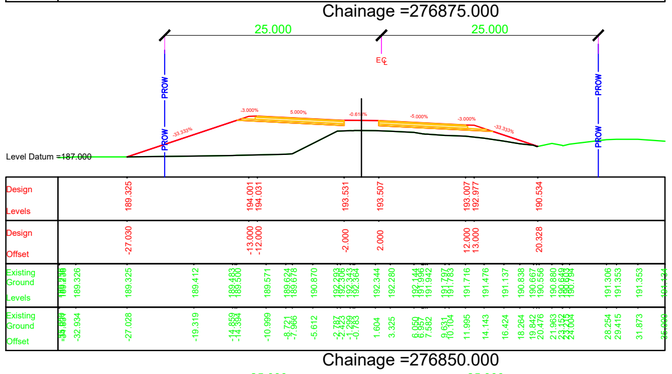


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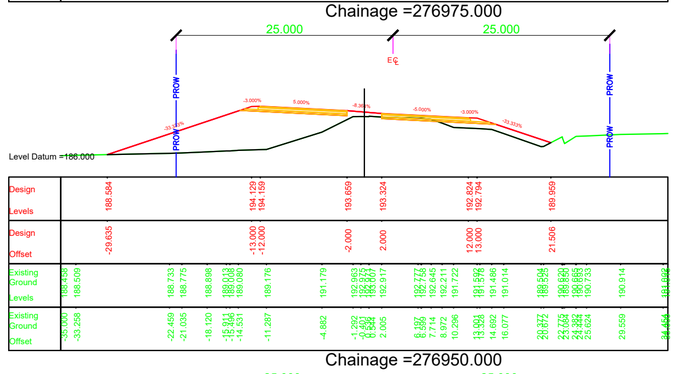


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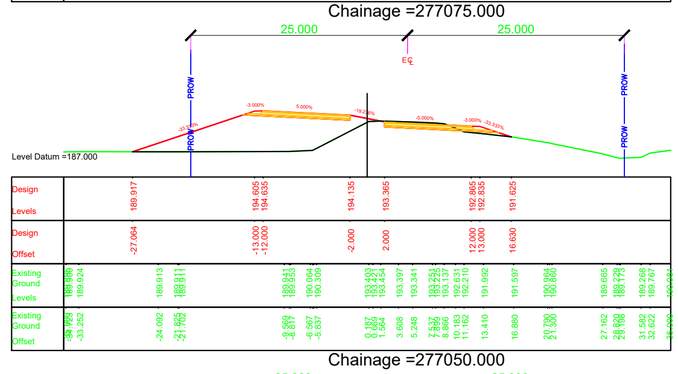


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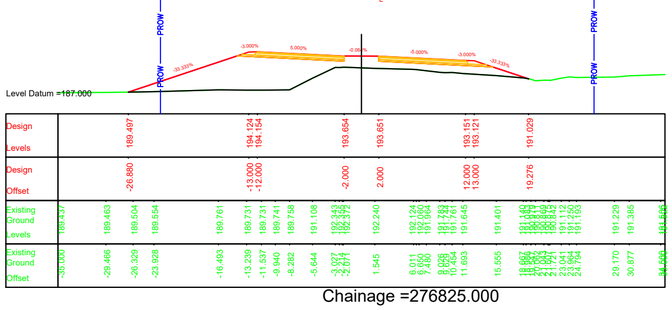


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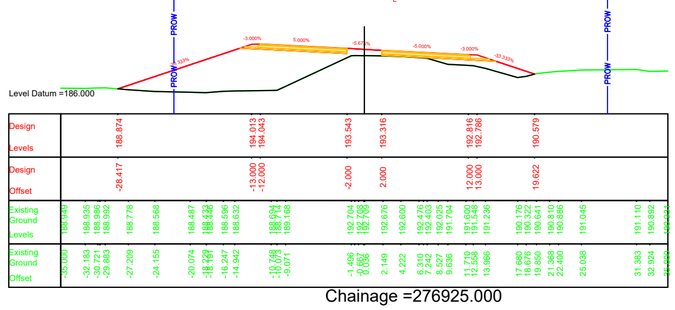


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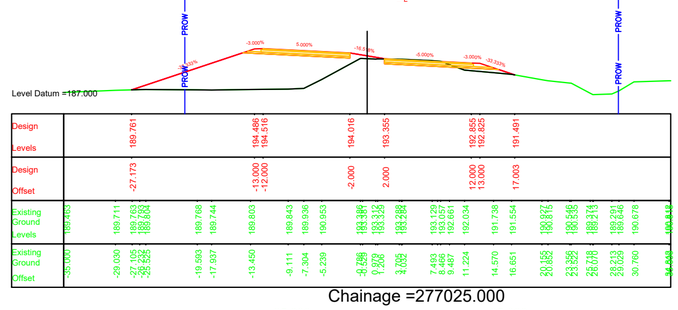


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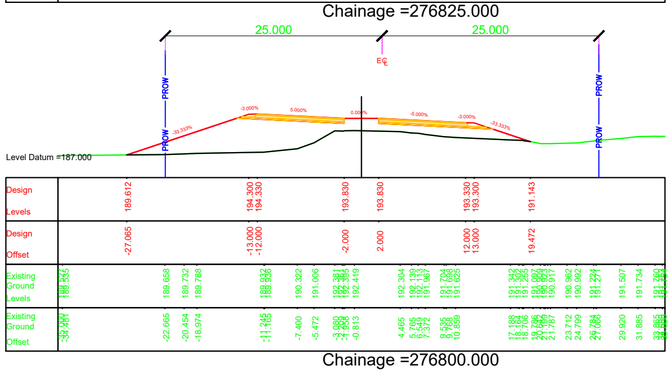


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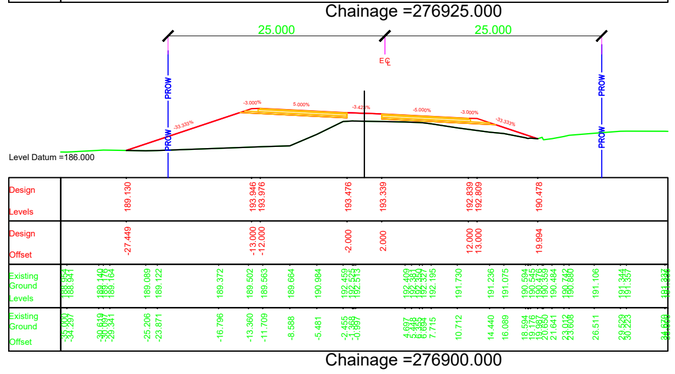
25.000
25.000
PROW
PROW
PROW
E/C
-33.333%
-3.000%
5.000%
-3.429%
-5.000%
-3.000%
-33.333%
Level Datum =186.000
Design Levels
189.130
193.946
193.976
193.476
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192.839
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190.475
Design Offset
-27.449
-13.000
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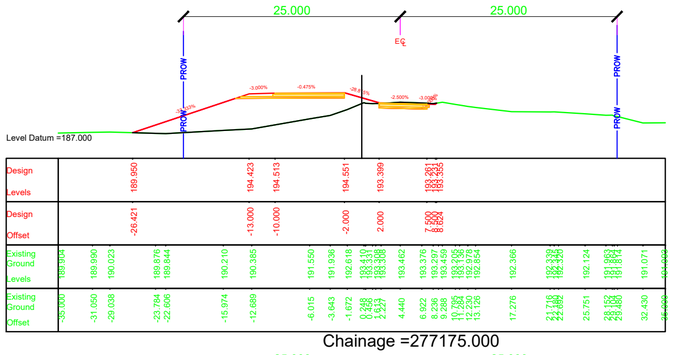


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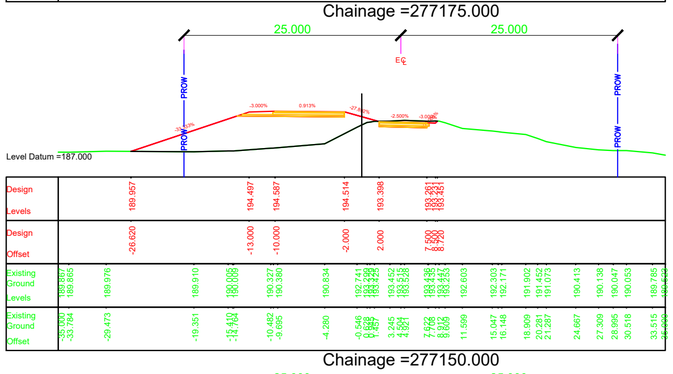


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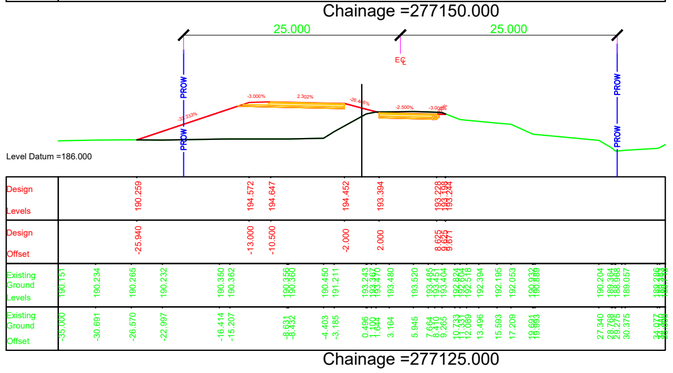


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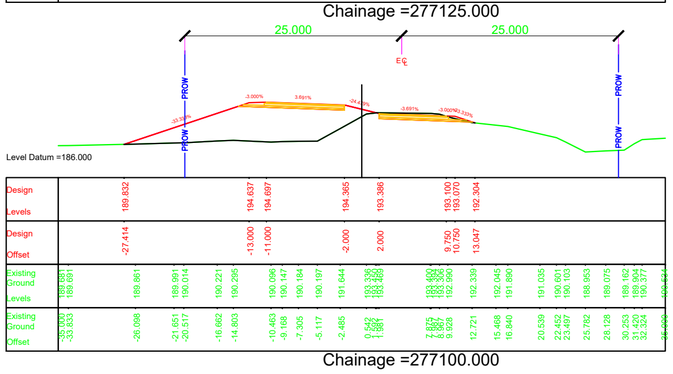


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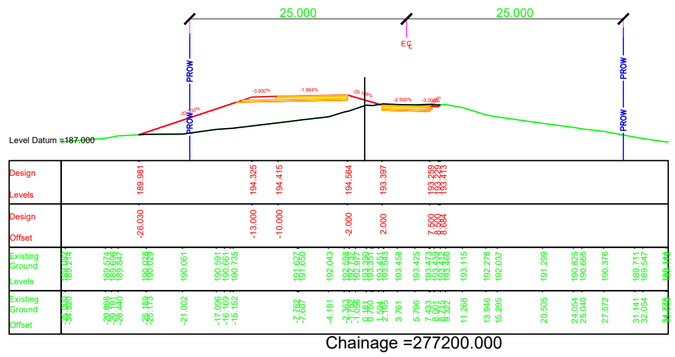


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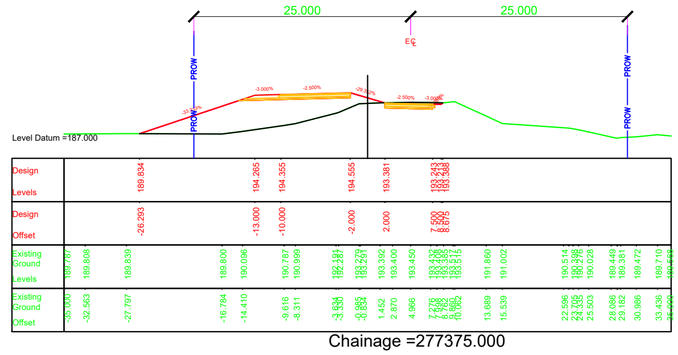



Chainage =277375.000

BRIDGE LOCATION

BRIDGE LOCATION

NOTES:

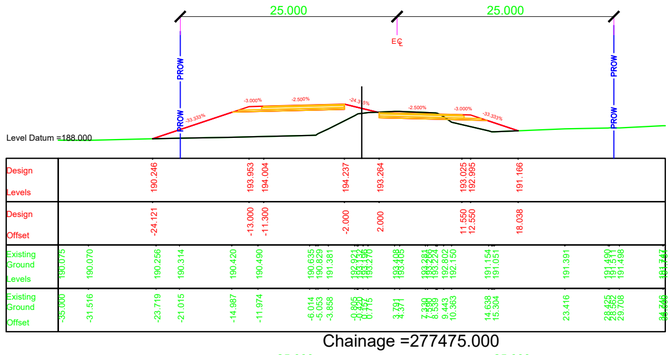
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 277+100 to Km 277+375 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No.: KDP/DDR/HIGHWAY/RCS- 131

Sheet No.

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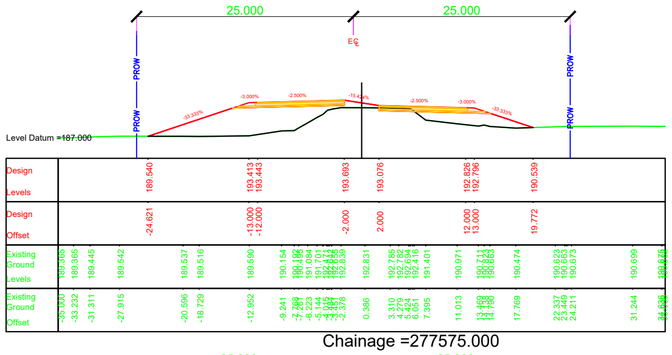


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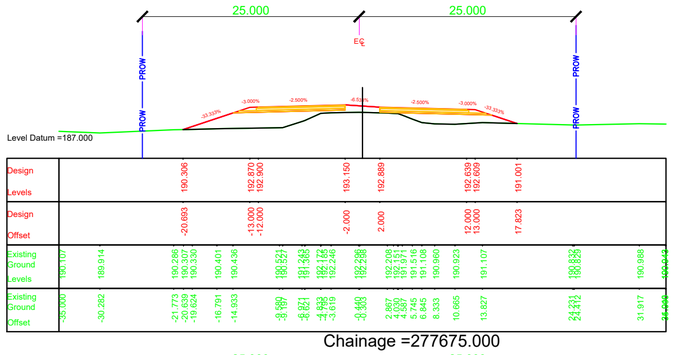


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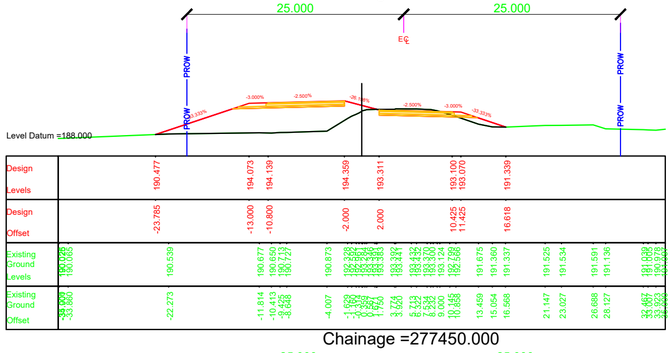


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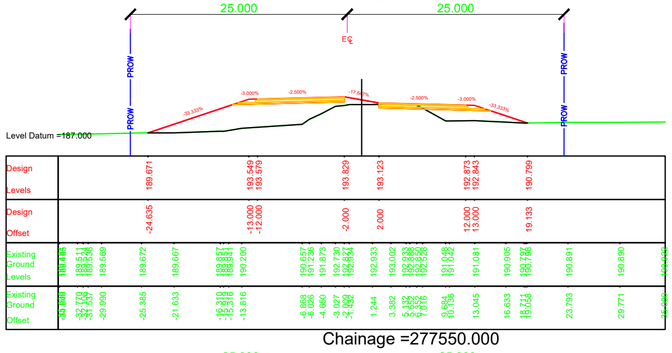


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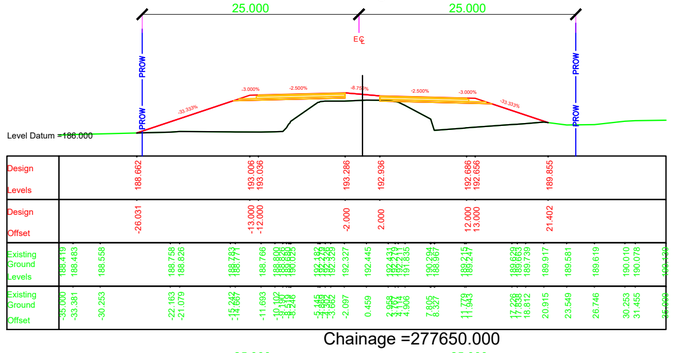


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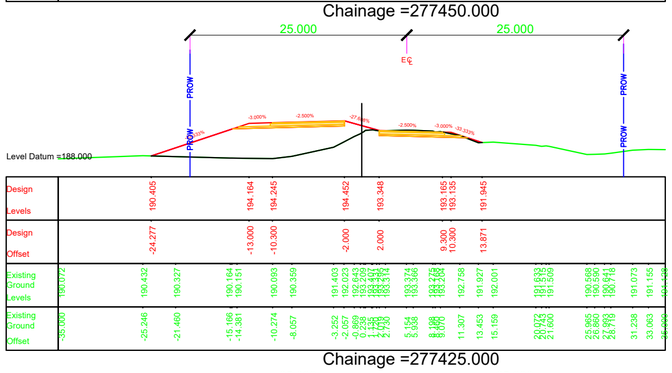


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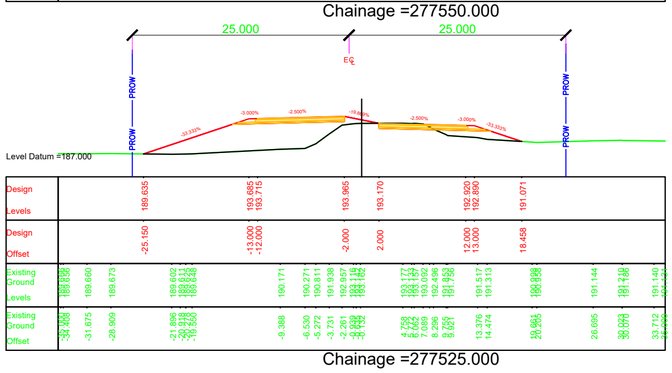


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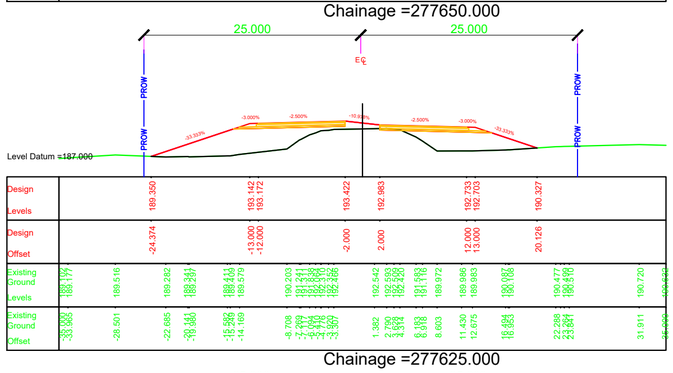


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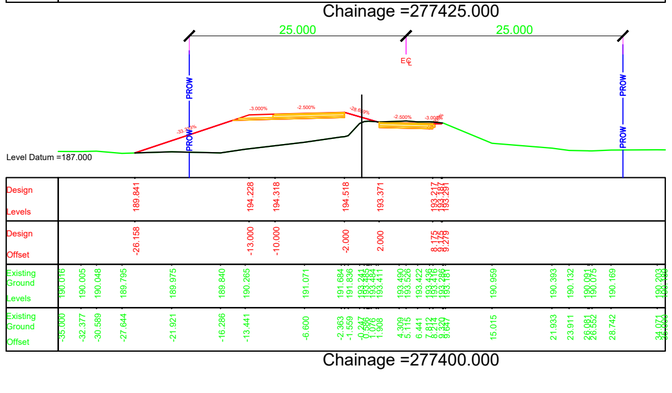


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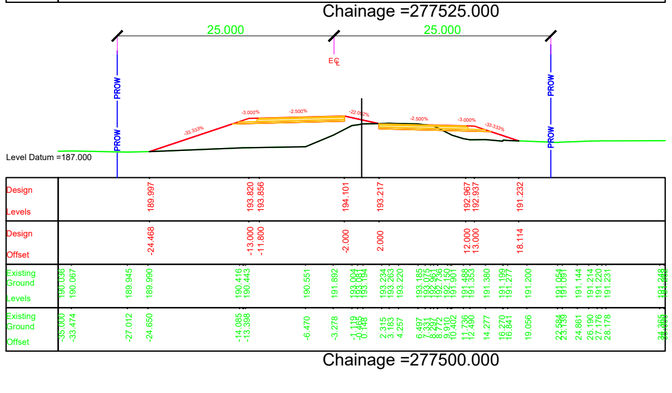


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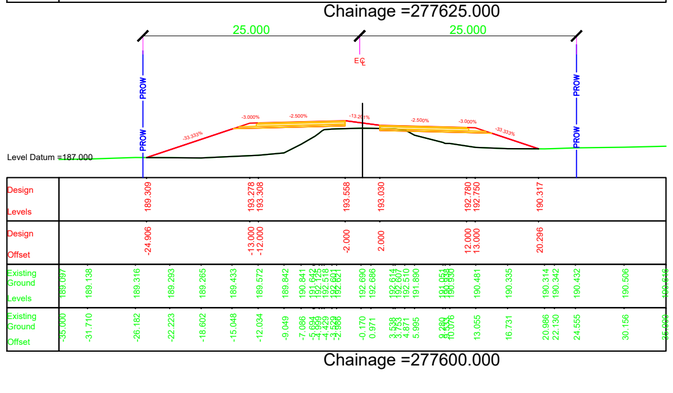



Chainage =277600.000

NOTES:

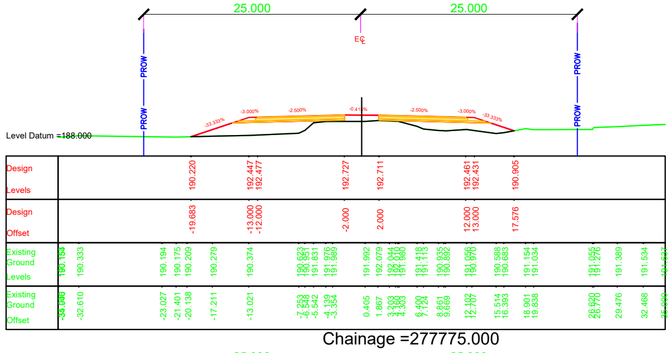
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 277+400 to Km 277+675 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 132

Sheet No.



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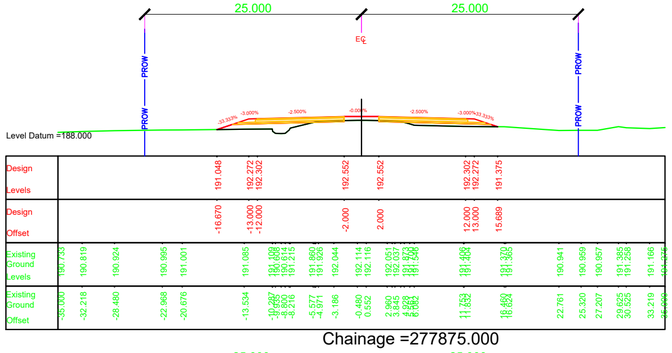

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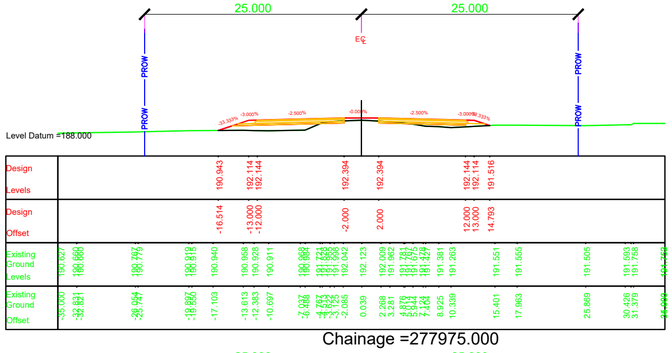

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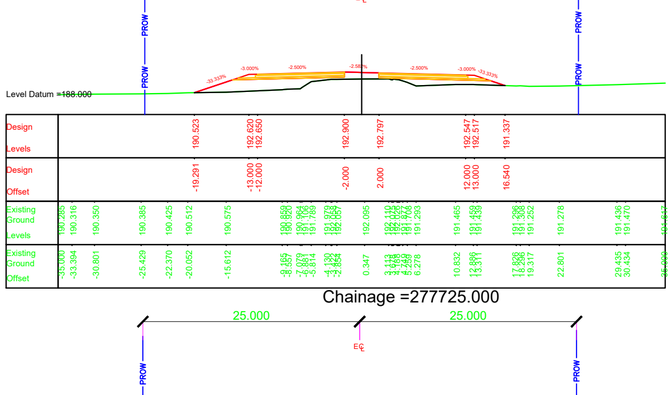

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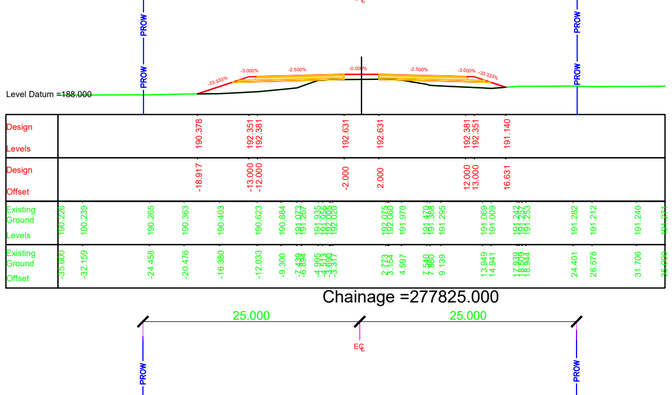

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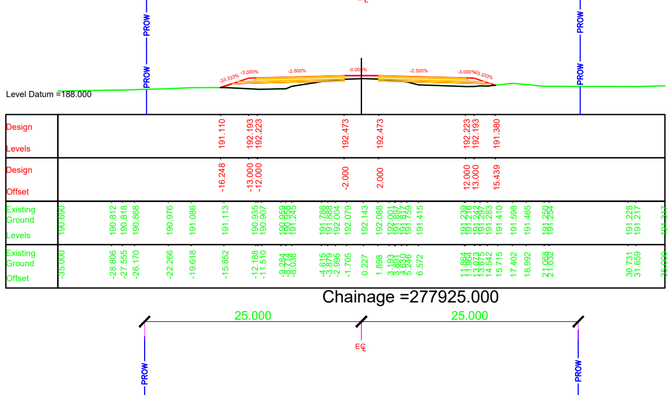
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Design Offset
Existing Ground Levels
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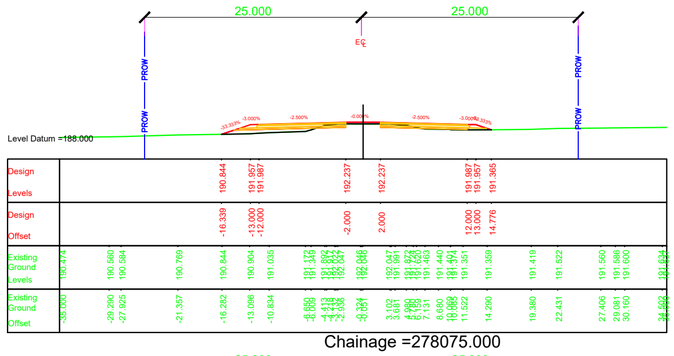
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Existing Ground Levels
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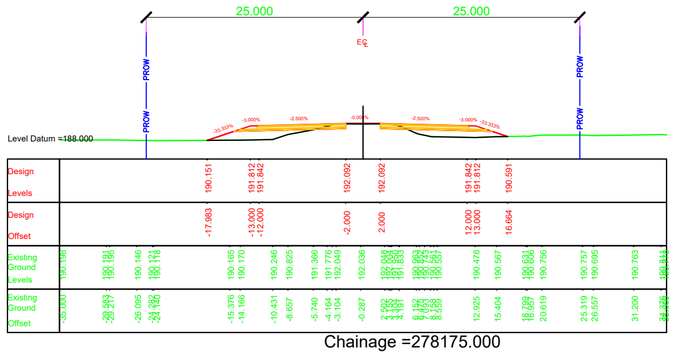
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-35.000 -29.249 -28.095 -24.125 -15.376 -14.168 -10.431 -8.657 -5.740 -4.164 -3.104 -0.287 2.502 3.175 4.191 6.475 7.158 8.059 12.925 15.404 18.757 20.619 23.319 28.557 31.200 34.276
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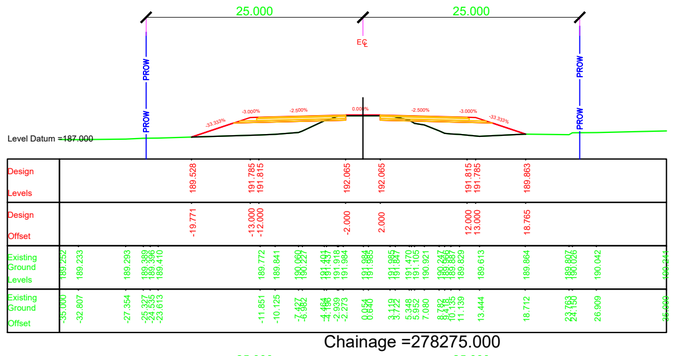
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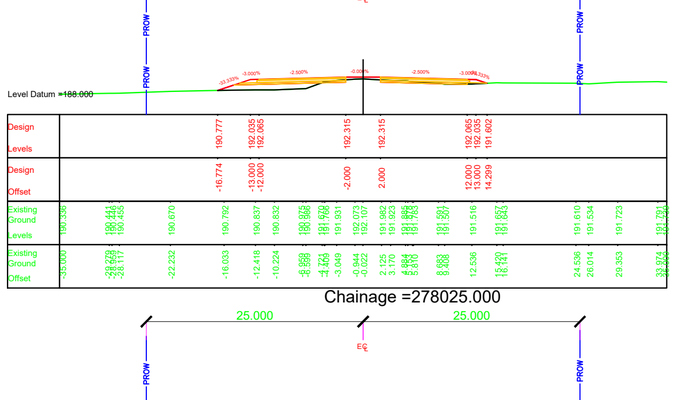
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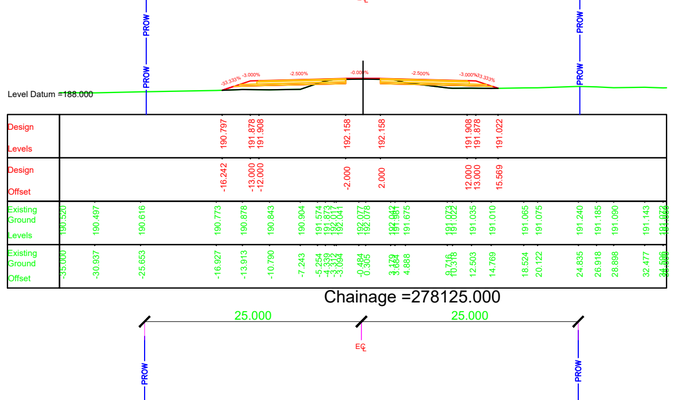
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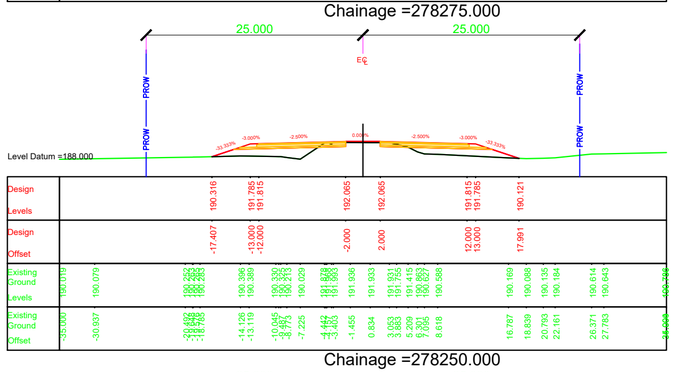
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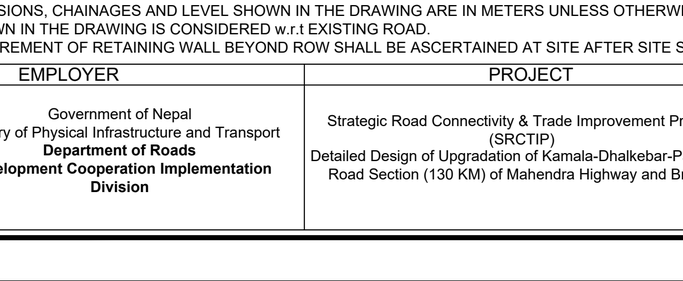
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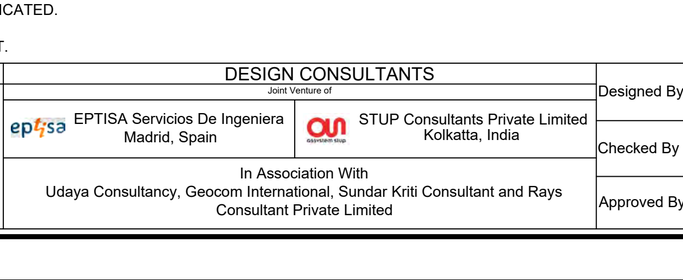
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Design Levels
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Existing Ground Offset
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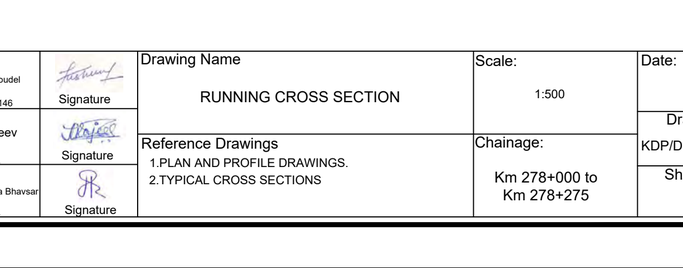
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189.884 189.897 189.908 189.912 189.883 189.919 189.940 189.974 189.938 191.329 191.701 191.952 191.898 191.859 191.377 191.120 190.587 190.504 190.461 190.365 190.343 190.520 190.643 190.666 190.670 190.750 190.733
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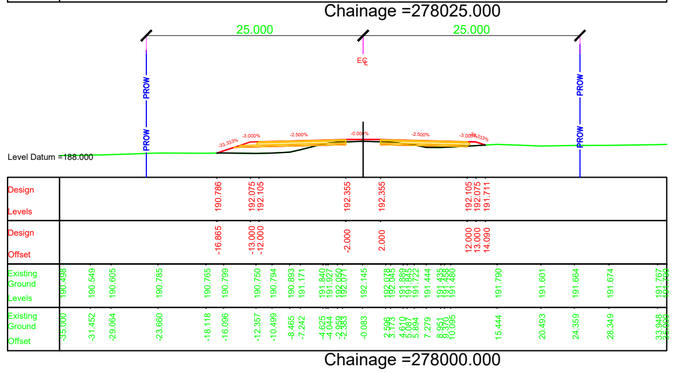
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Existing Ground Offset
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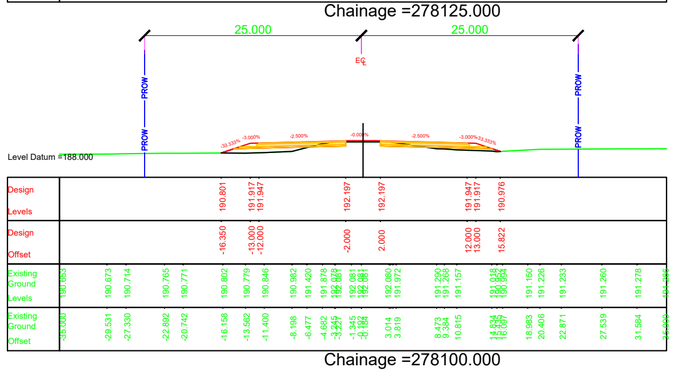
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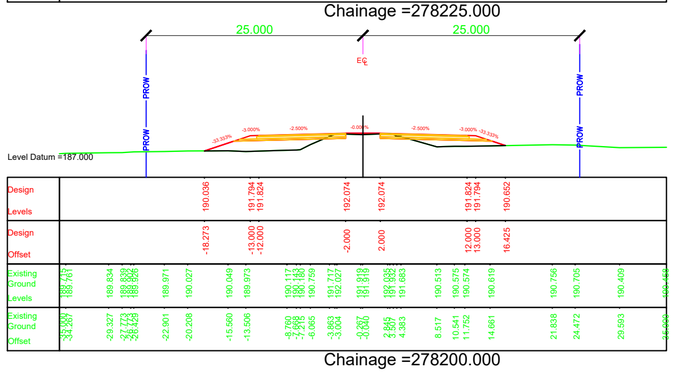



NOTES:

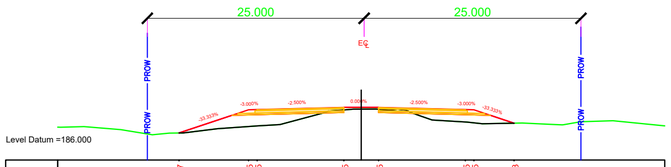
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 278+000 to Km 278+275 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 134

Sheet No.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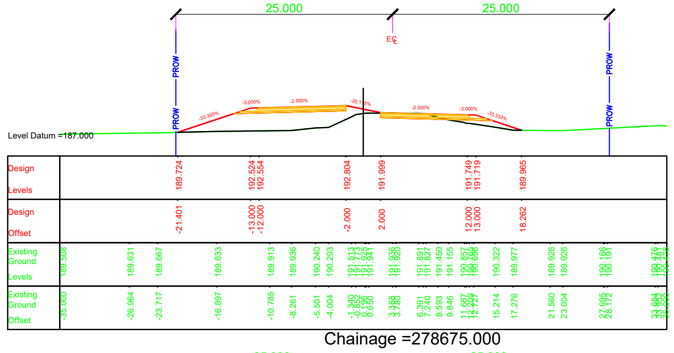
| | | |

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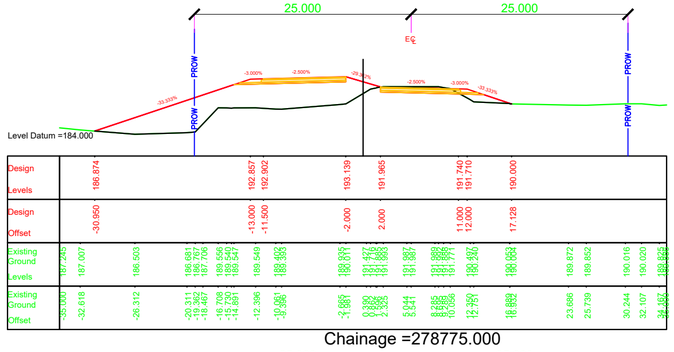


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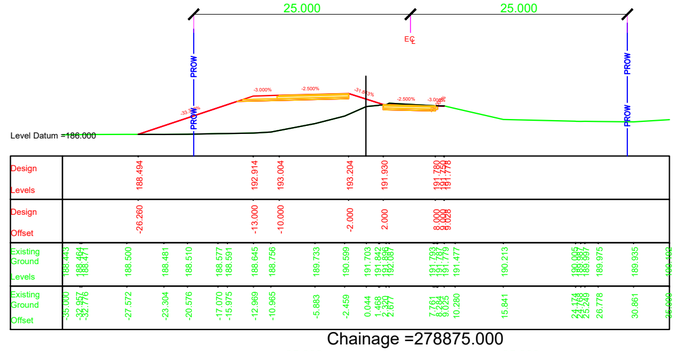


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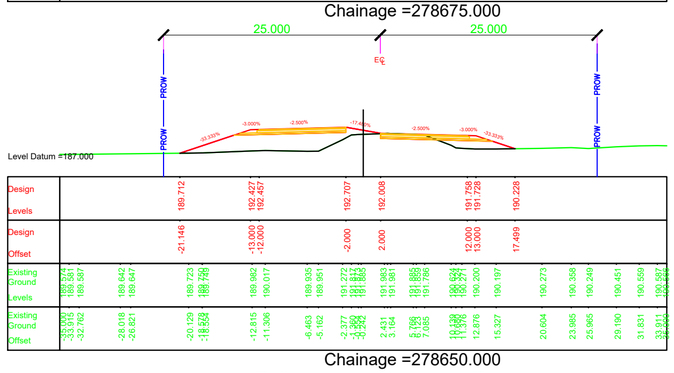


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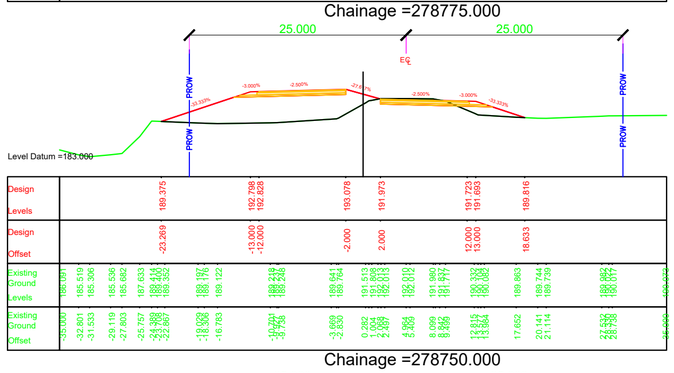


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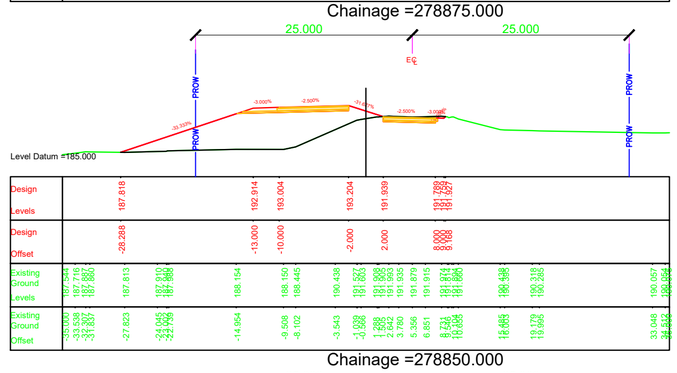


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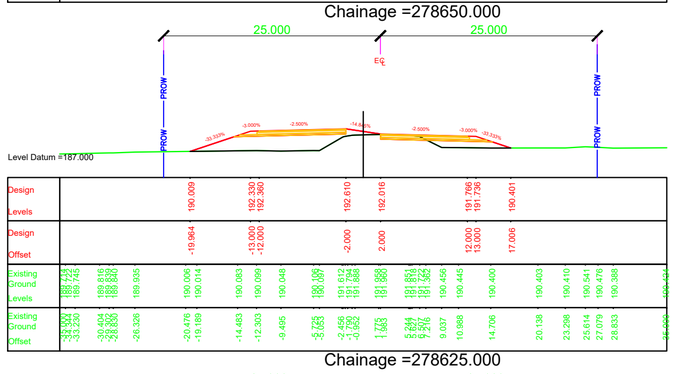


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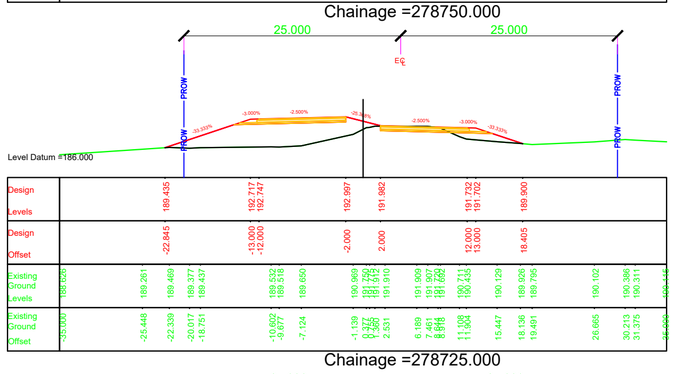


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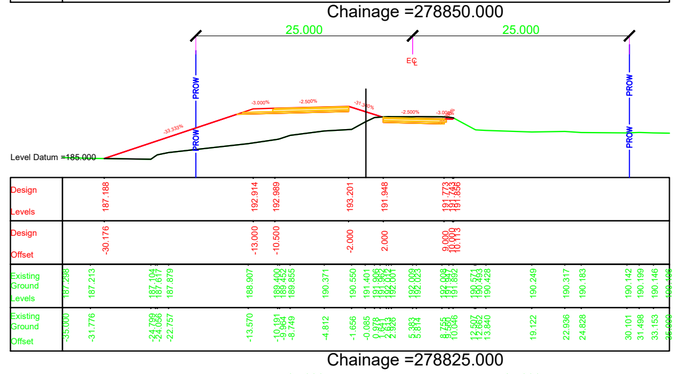


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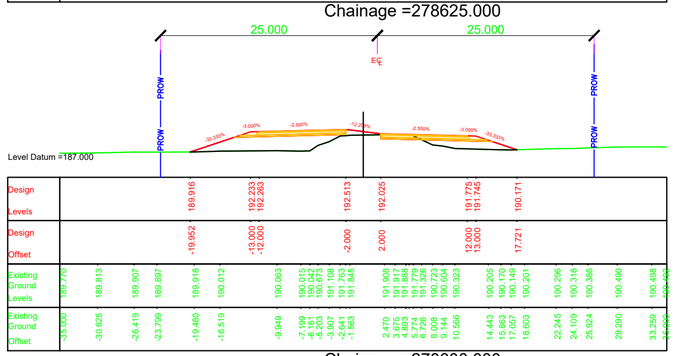


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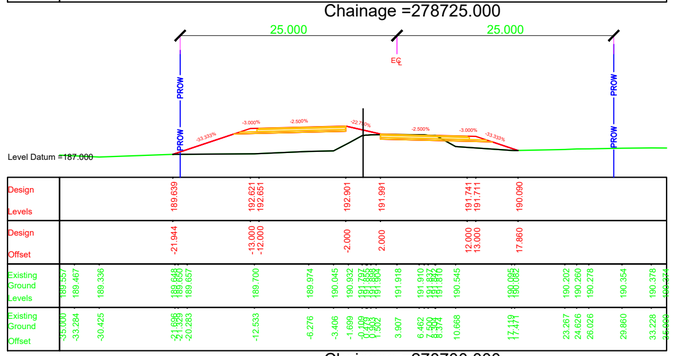


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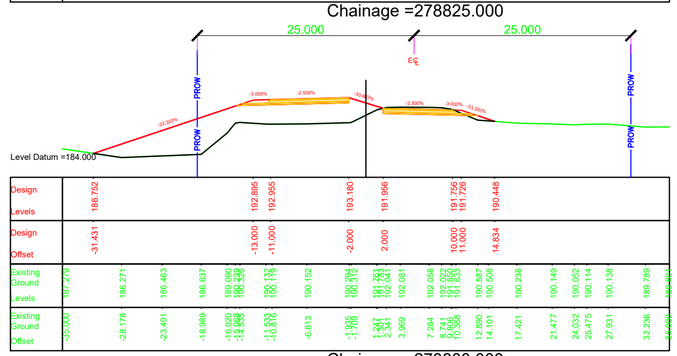



Chainage =278800.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

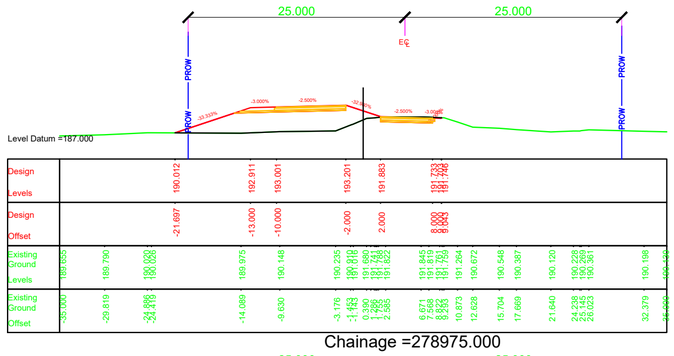
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 278+600 to Km 278+875 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

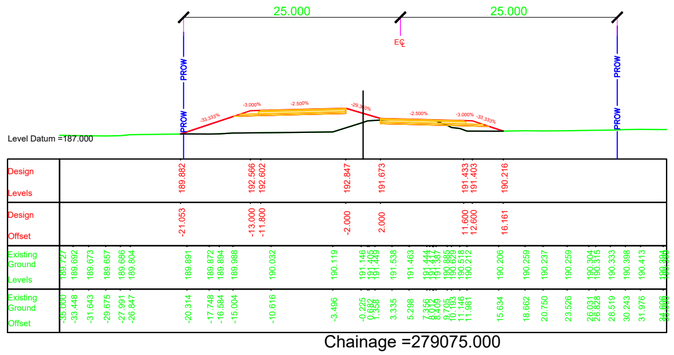
Date: JUNE 2023

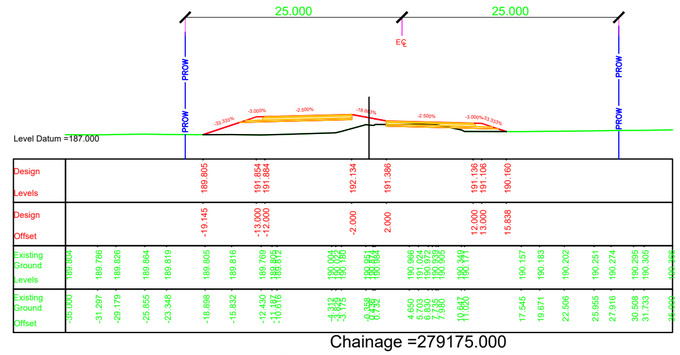
Drawing No. KDP/DDR/HIGHWAY/RCS- 136

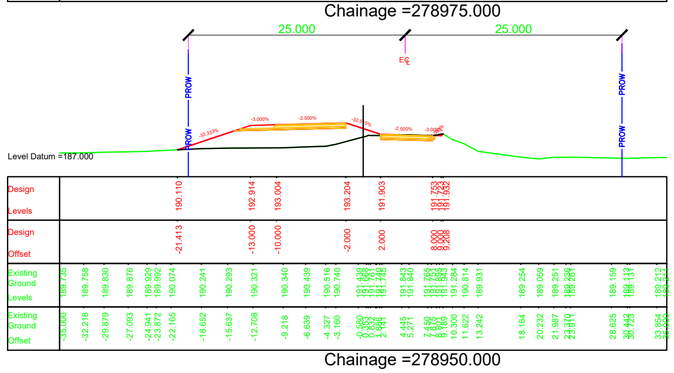
Sheet No.

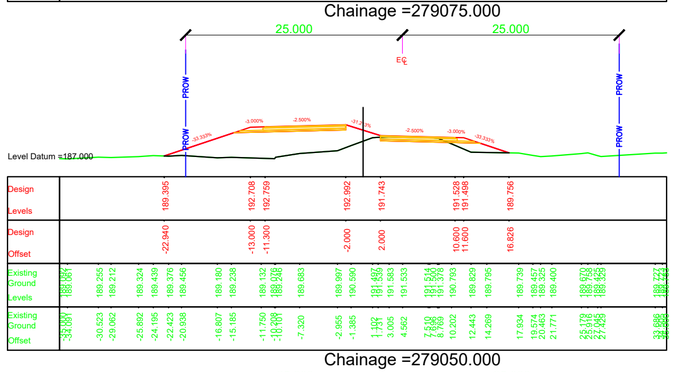
# BRIDGE LOCATION

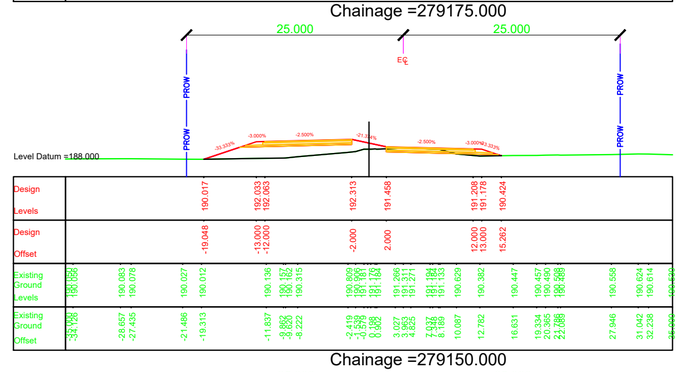


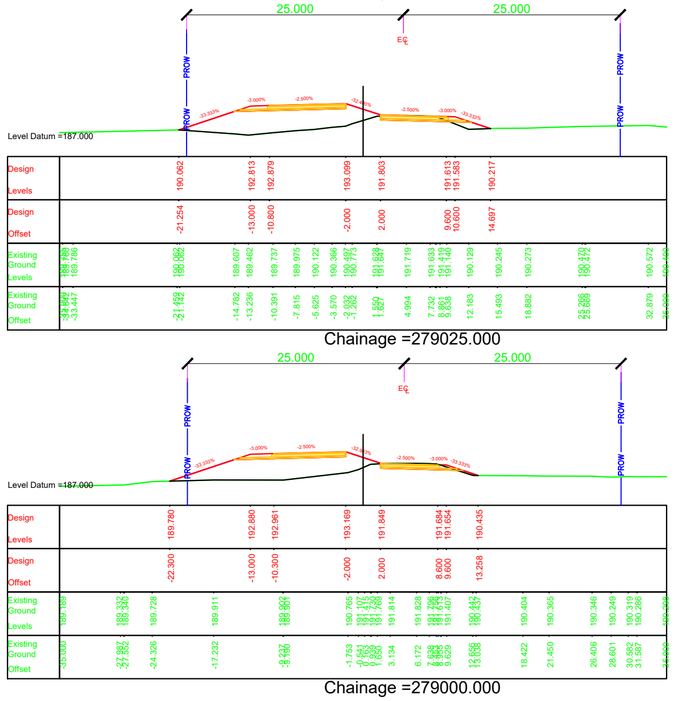



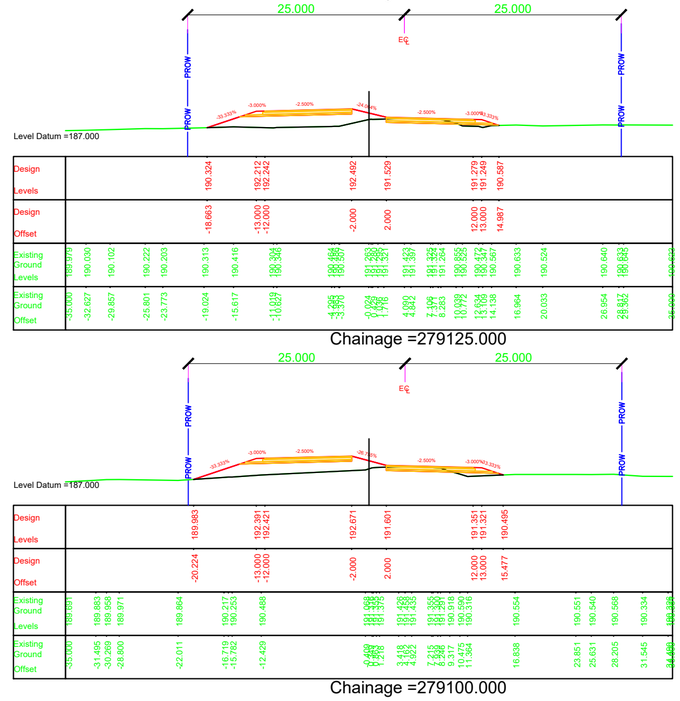









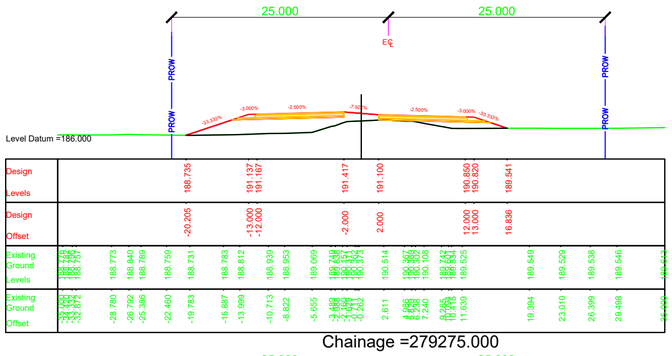

NOTES:

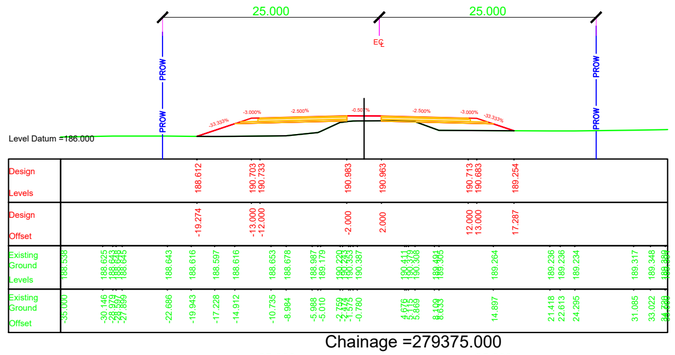
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

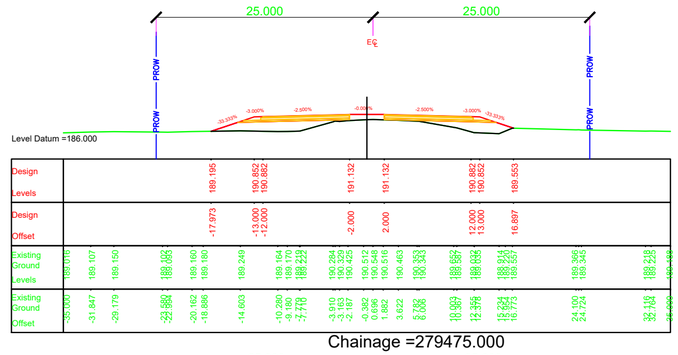
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 278+900 to Km 279+175 |
| | | | Approved By | Mr. Harikrishna Bhavsar Nec.No. | Signature | | Sheet No. |

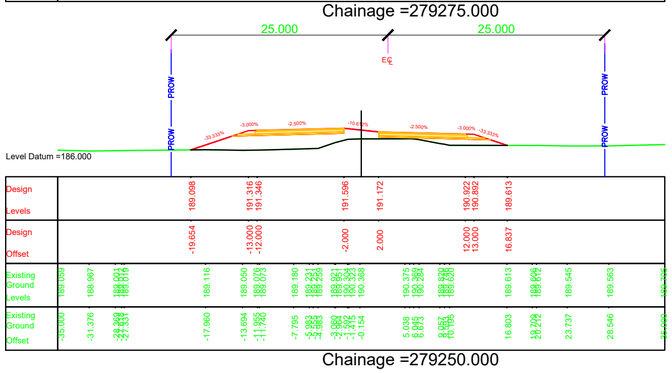
Date: JUNE 2023

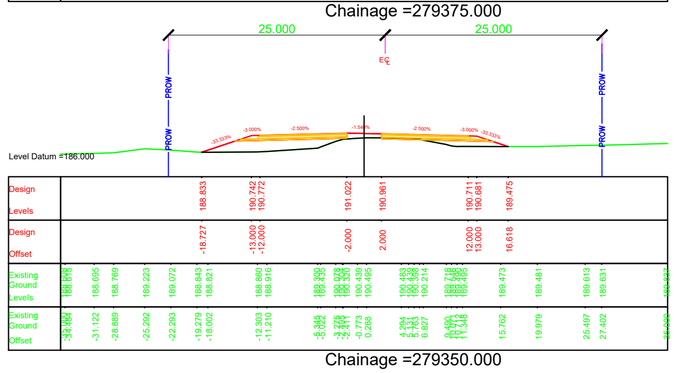
Drawing No. KDP/DDR/HIGHWAY/RCS- 137

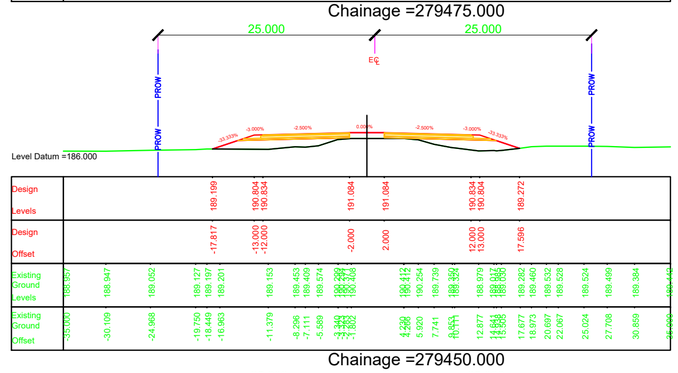


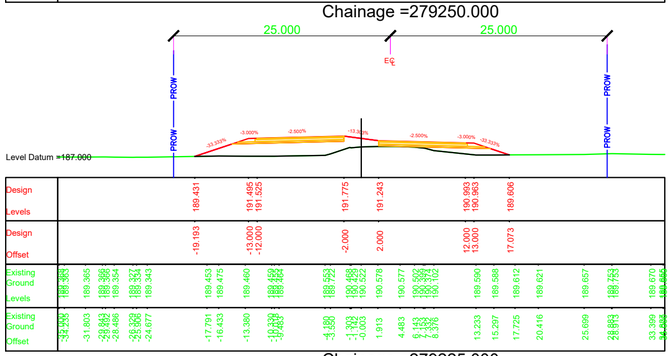



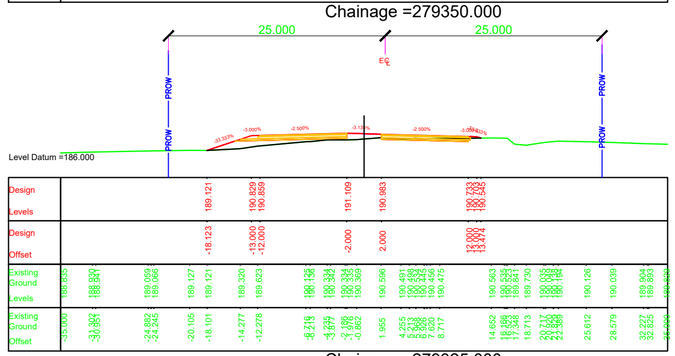



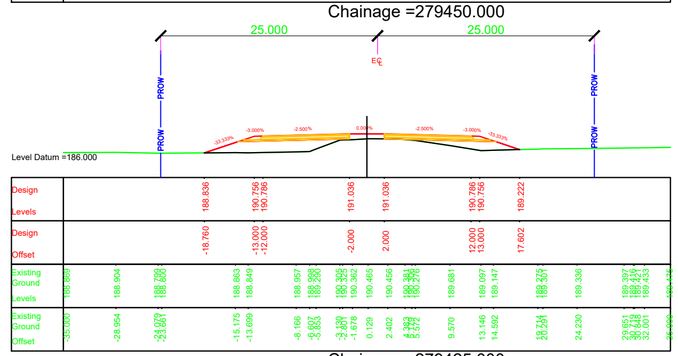



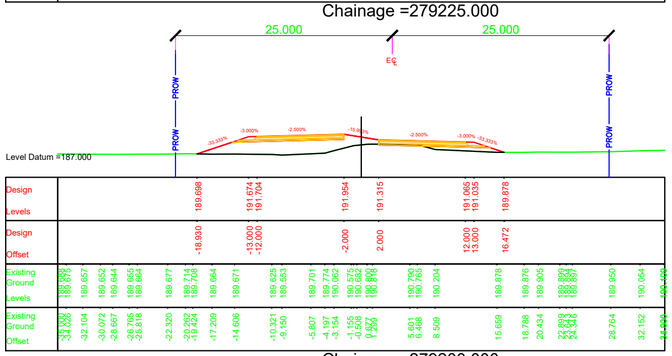



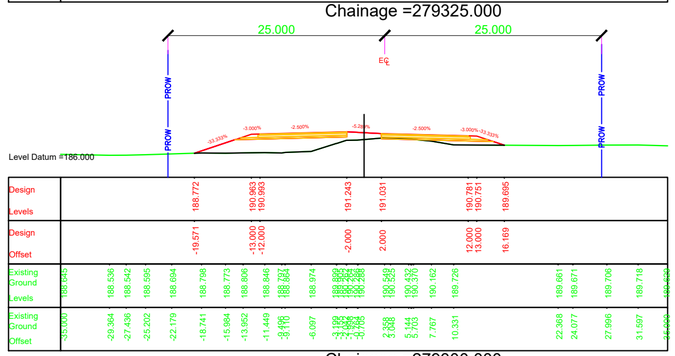



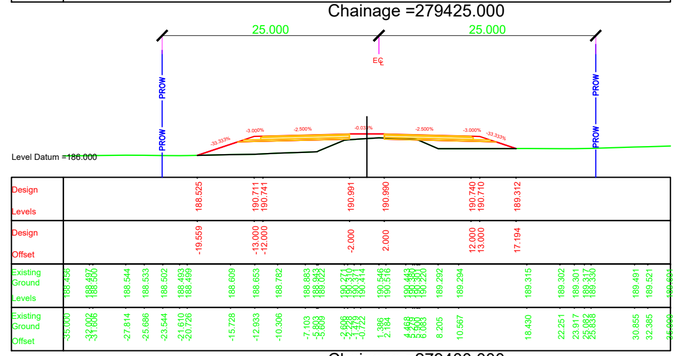



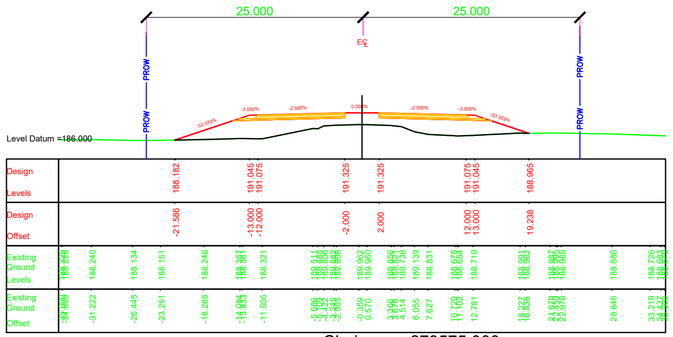




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 279+200 to Km 279+475 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 138 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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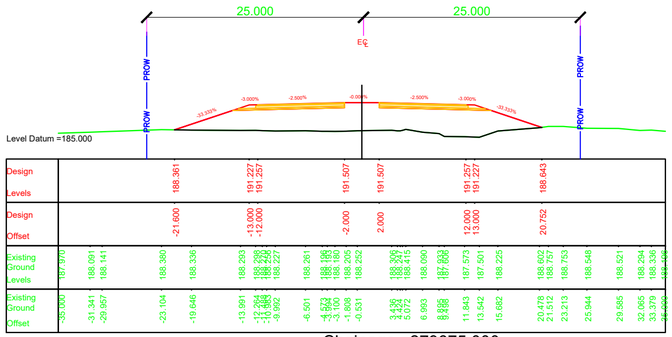


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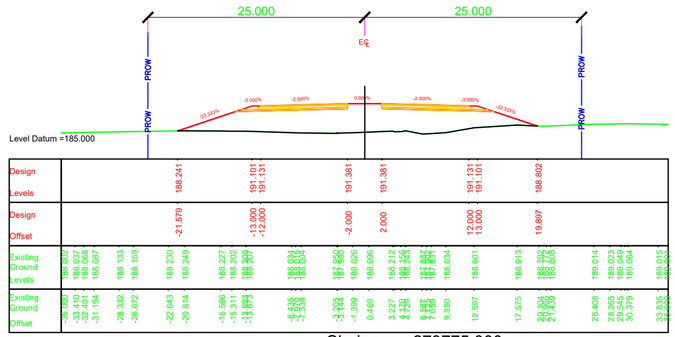


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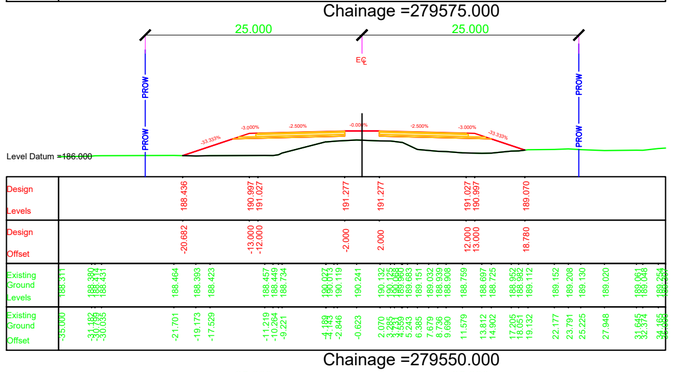


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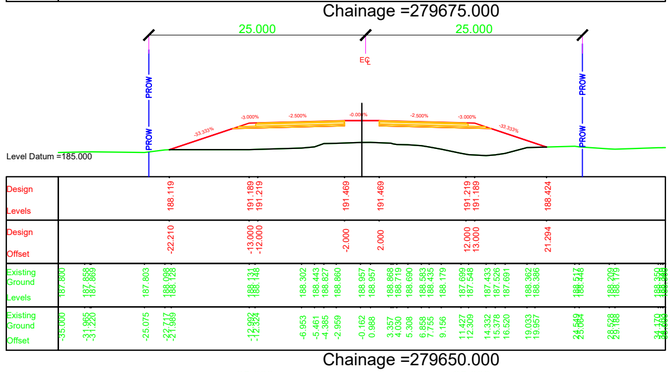


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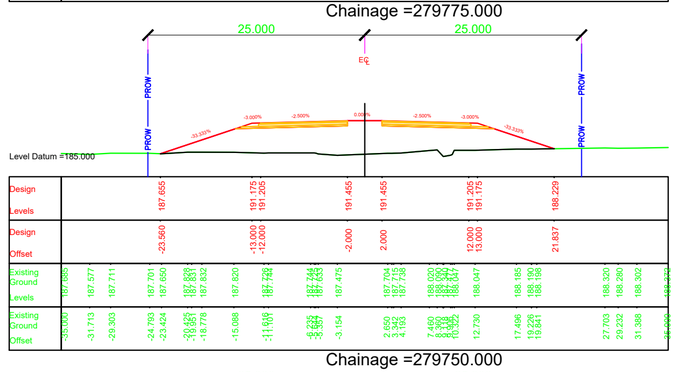


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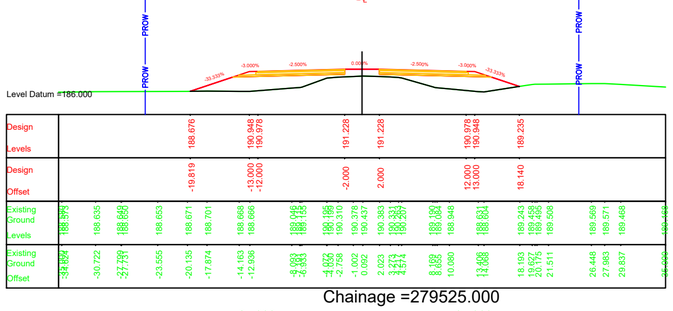


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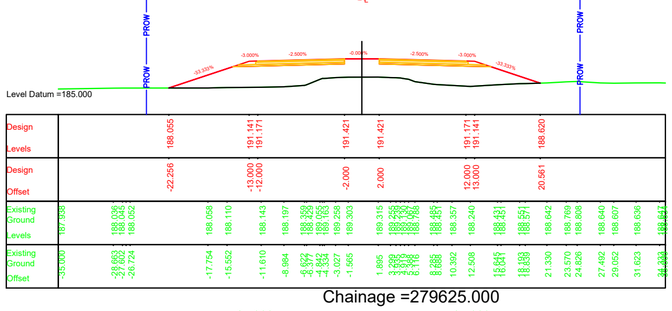


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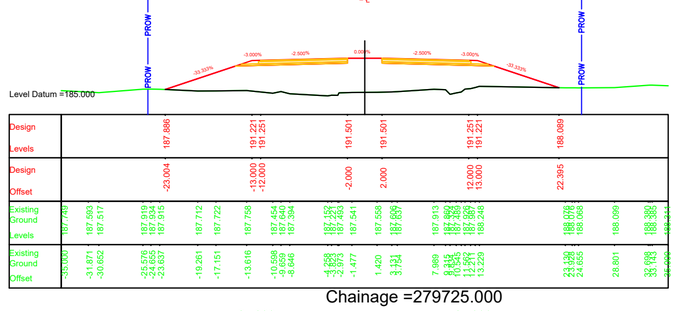


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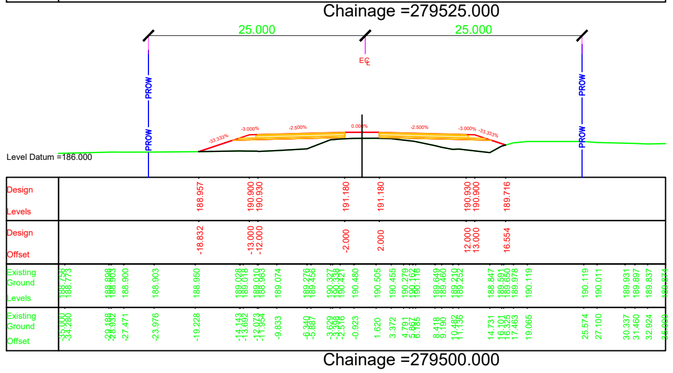


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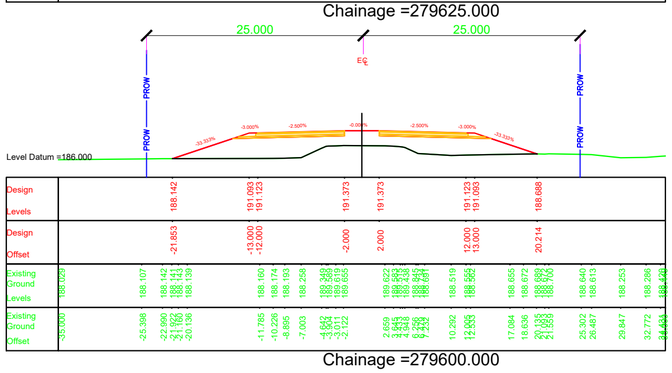


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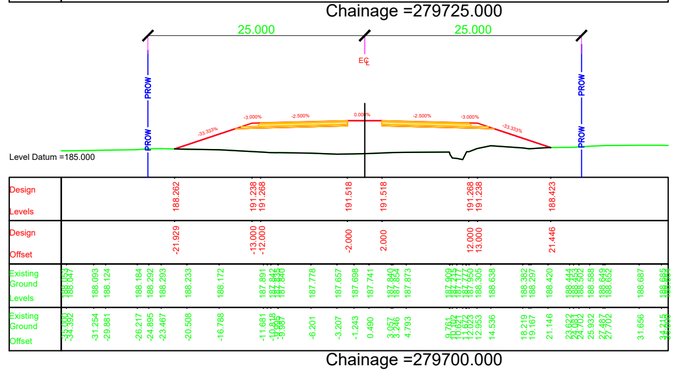


Chainage =279700.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
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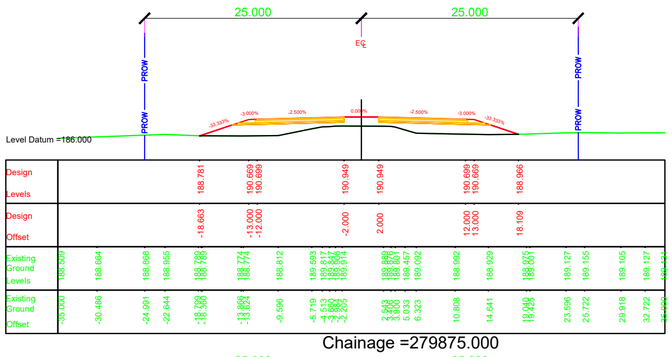
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 279+500 to Km 279+775 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 139 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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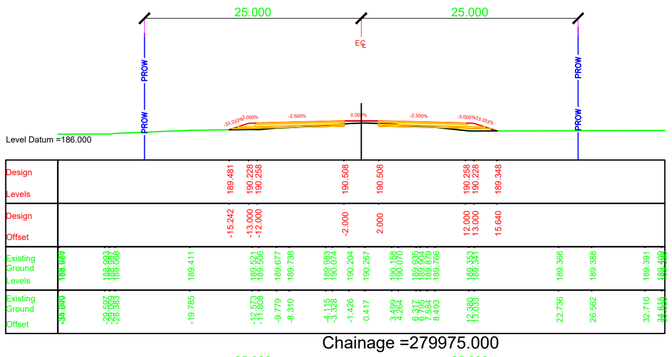


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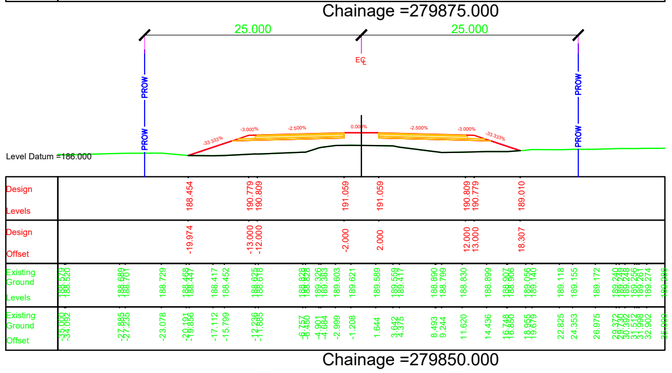


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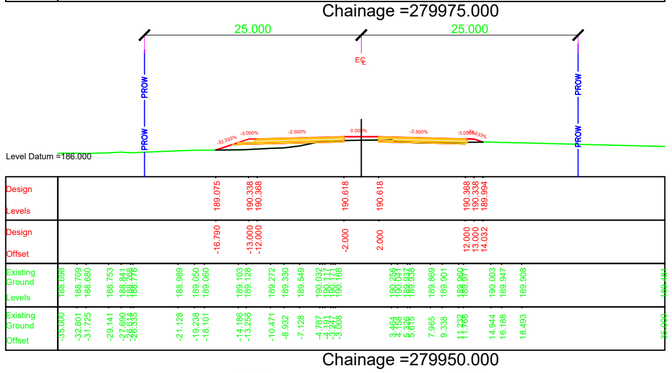


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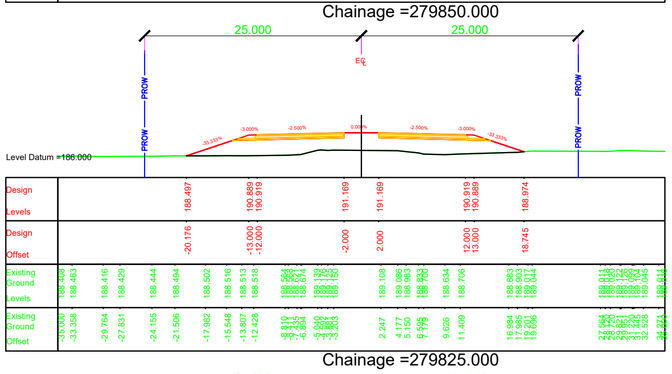


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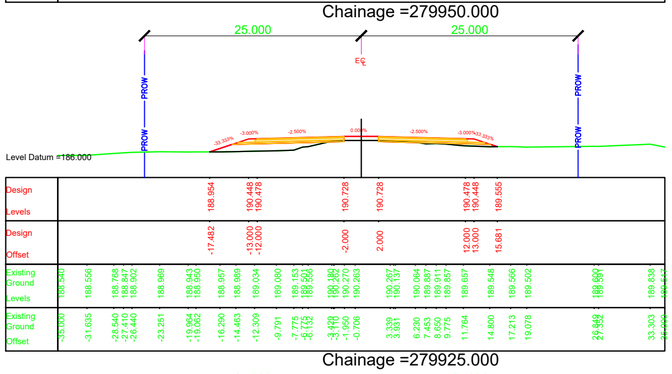
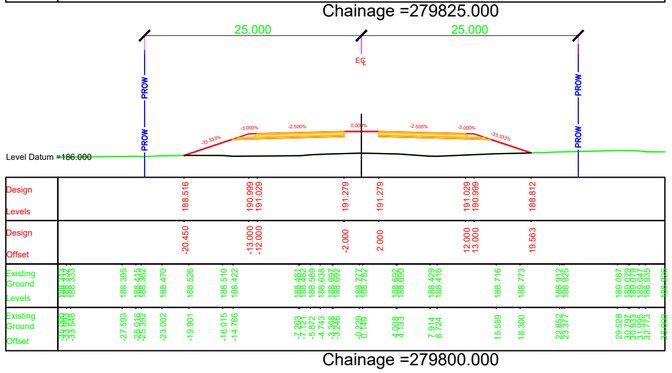
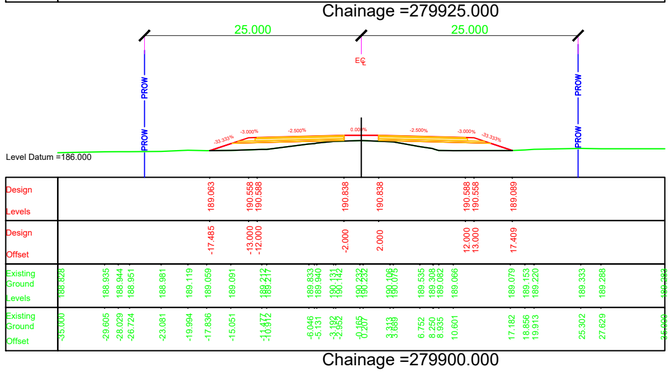
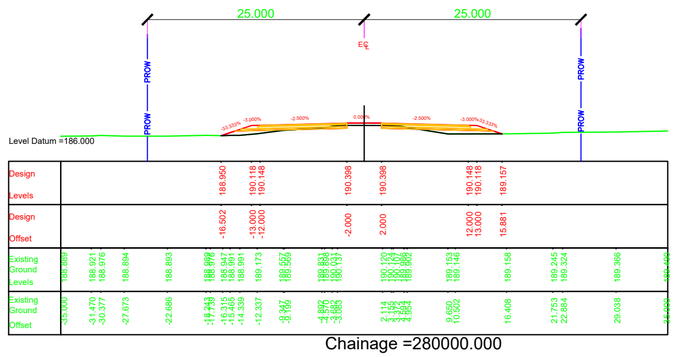



Chainage =279925.000




Chainage =279800.000




Chainage =280000.000

NOTES:

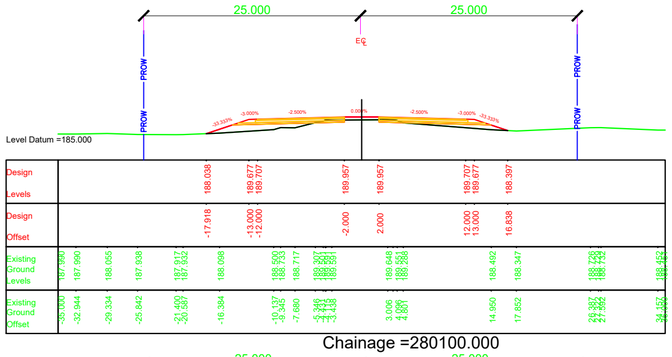
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 279+800 to Km 280+000 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 140

Sheet No.

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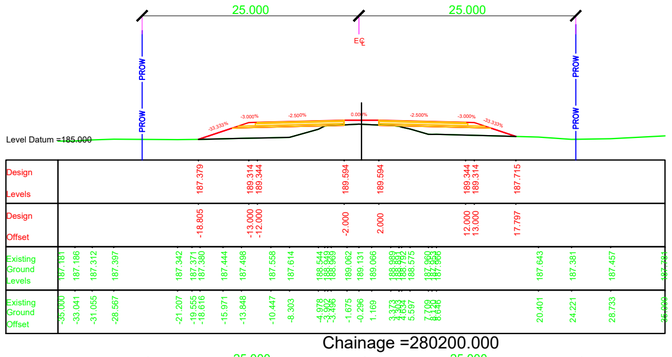


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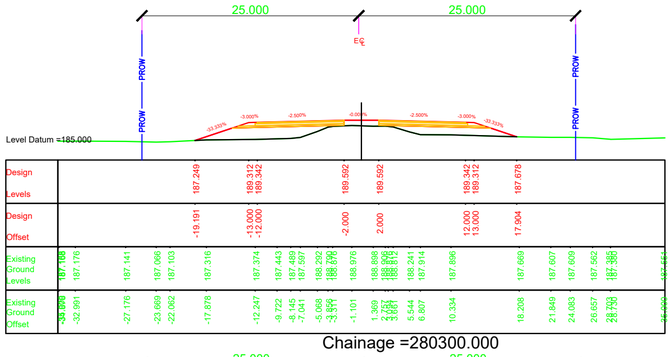


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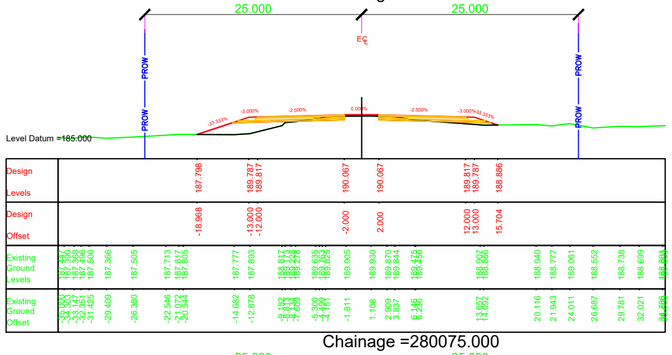
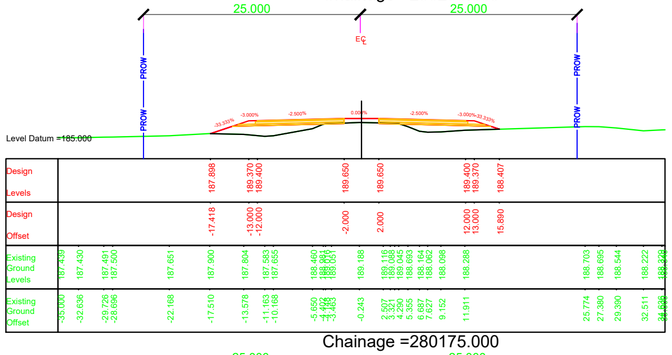



Chainage =280075.000

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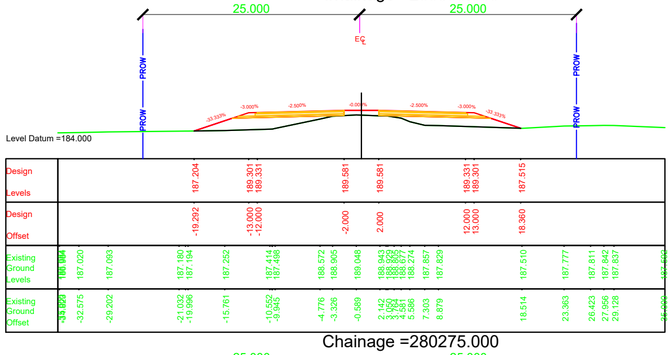


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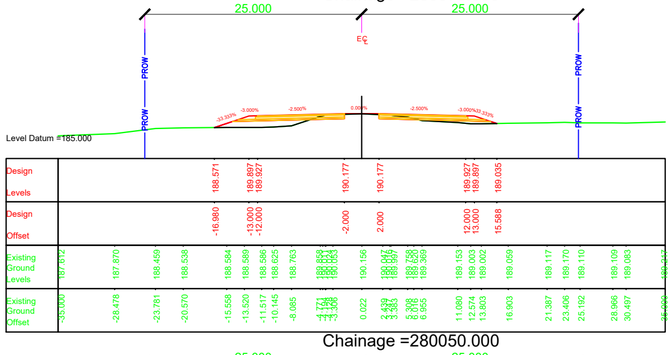


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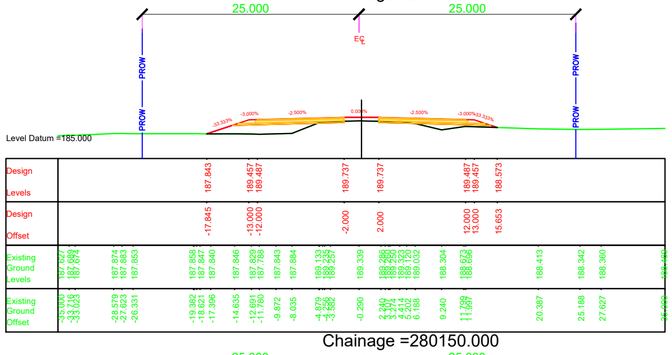


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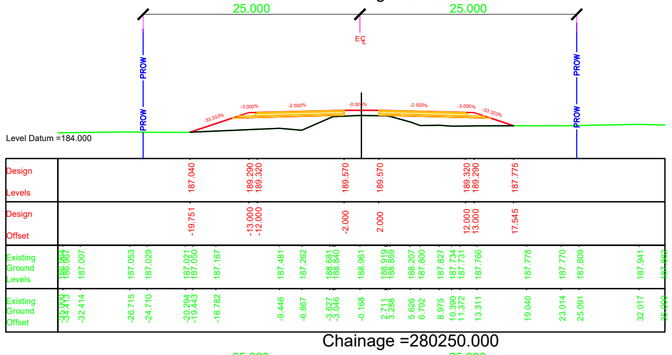


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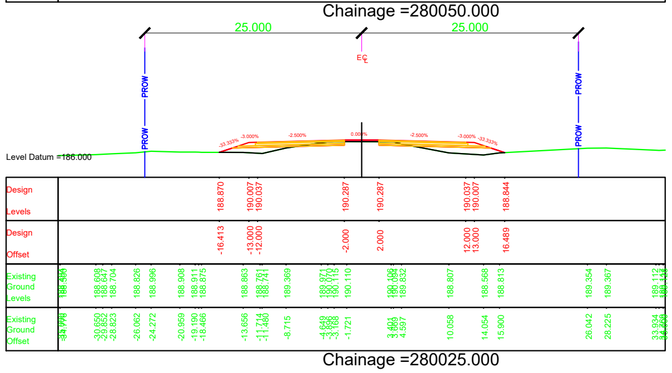


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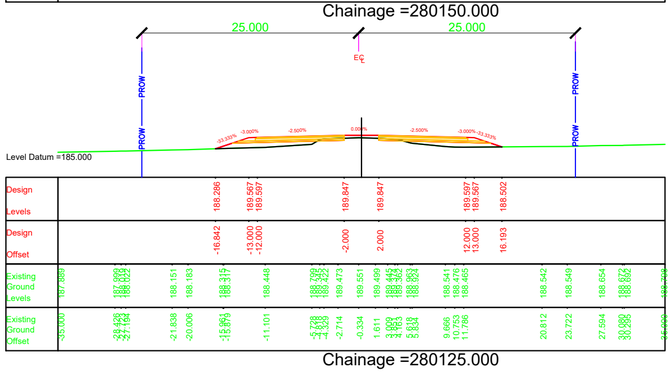


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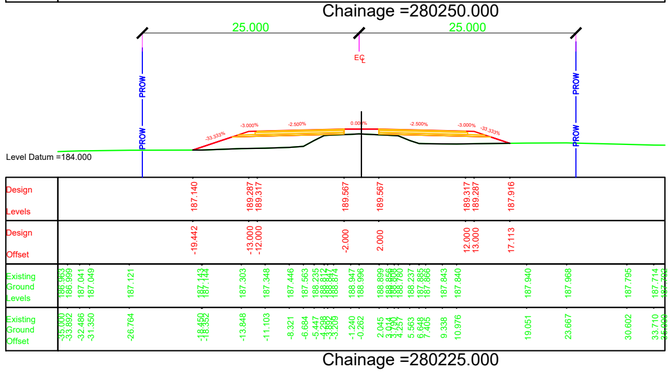



Chainage =280225.000

NOTES:

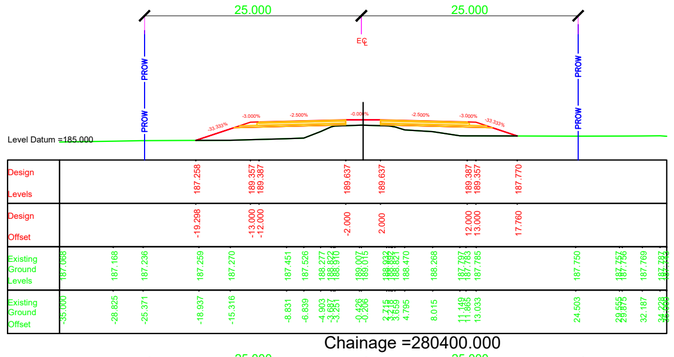
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 280+025 to Km 280+300 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 141

Sheet No.

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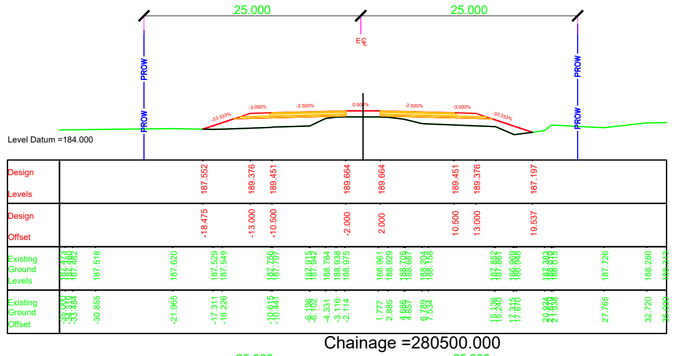
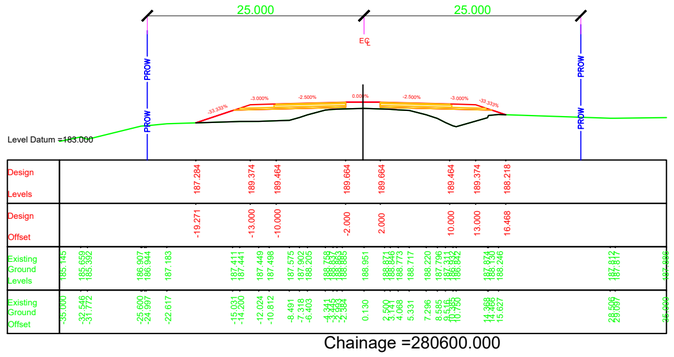



Chainage =280500.000

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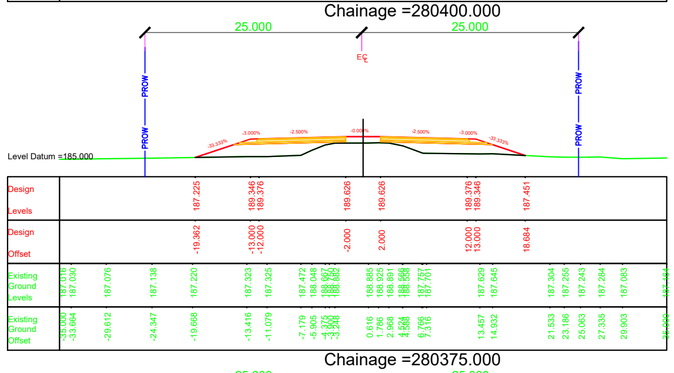


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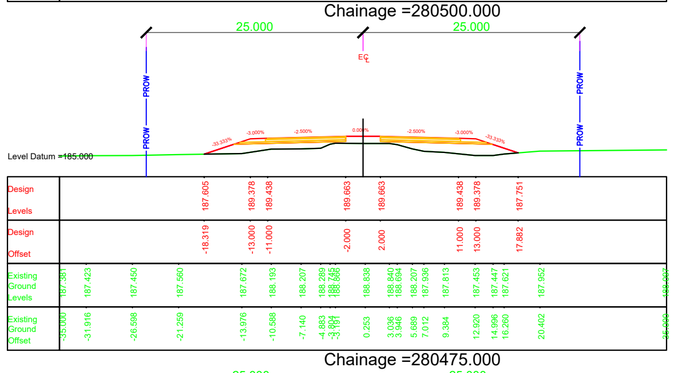
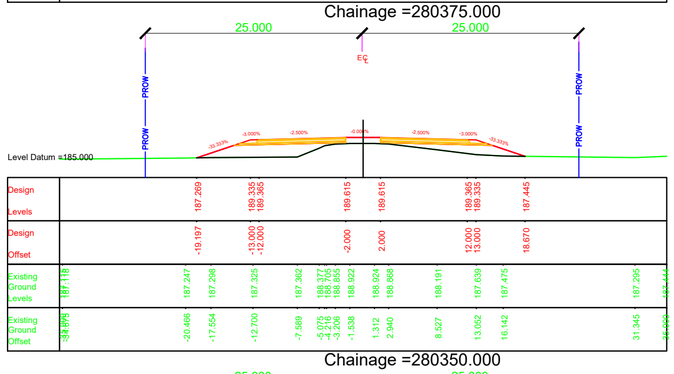



Chainage =280475.000

# BRIDGE LOCATION

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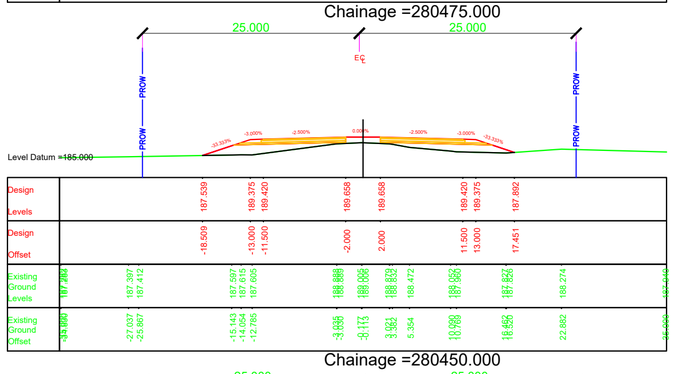


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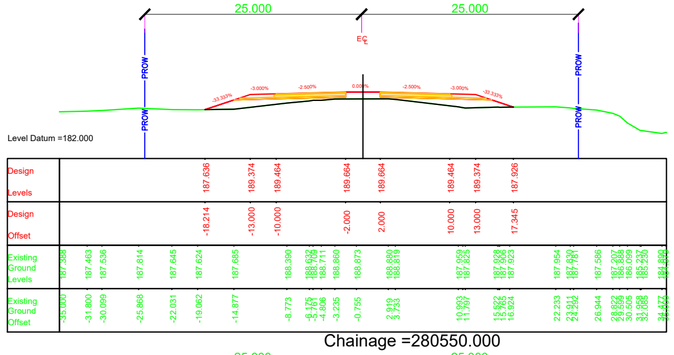


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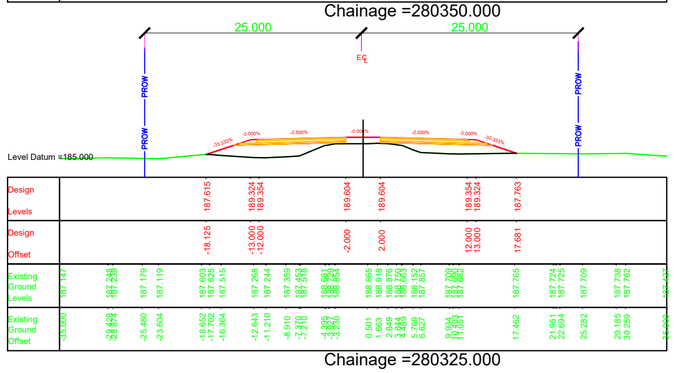


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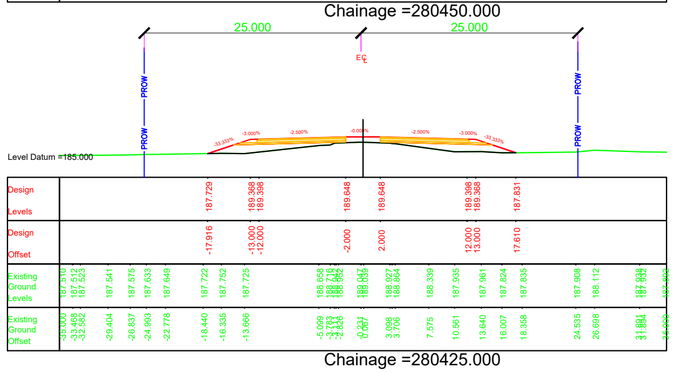


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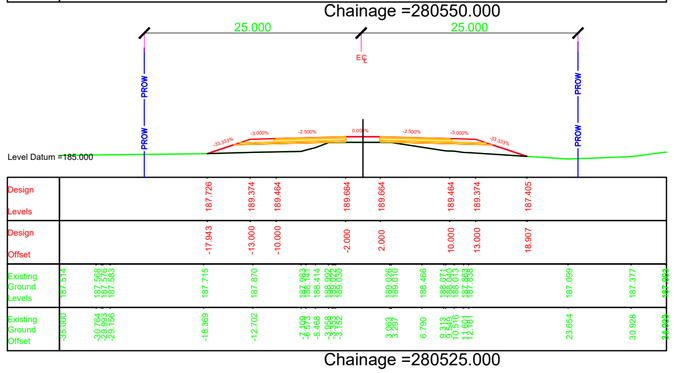
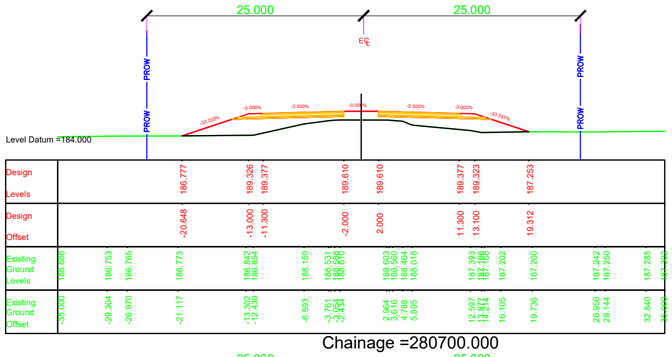



Chainage =280525.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 / Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 280+325 to Km 280+600 / Drawing No. KDP/DDR/HIGHWAY/RCS- 142 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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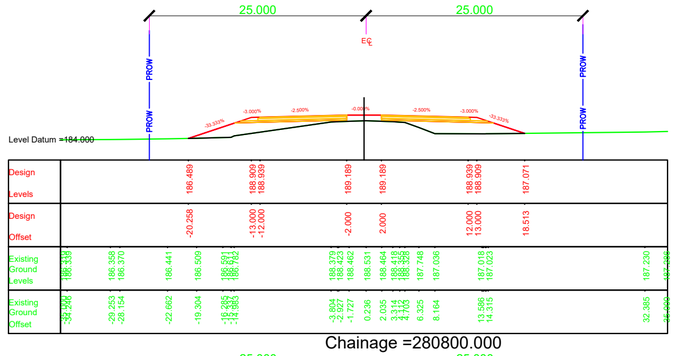


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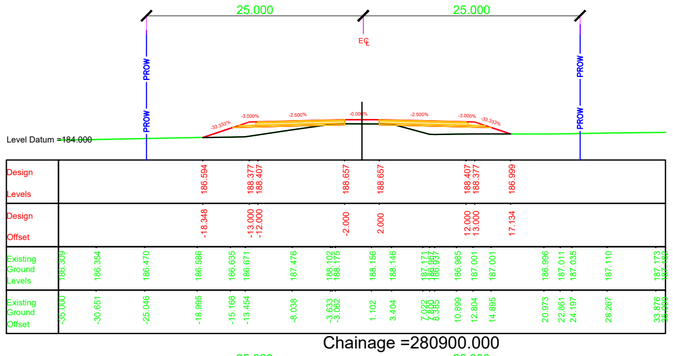


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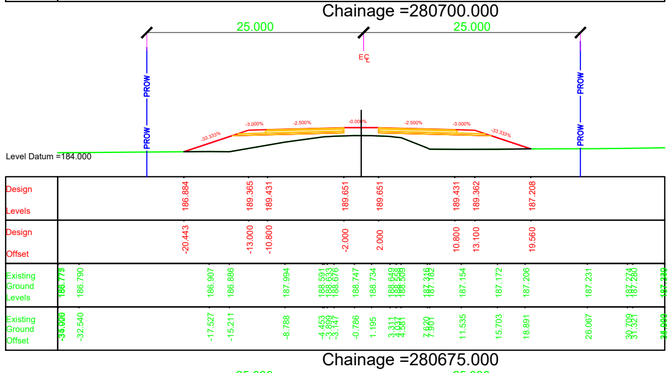


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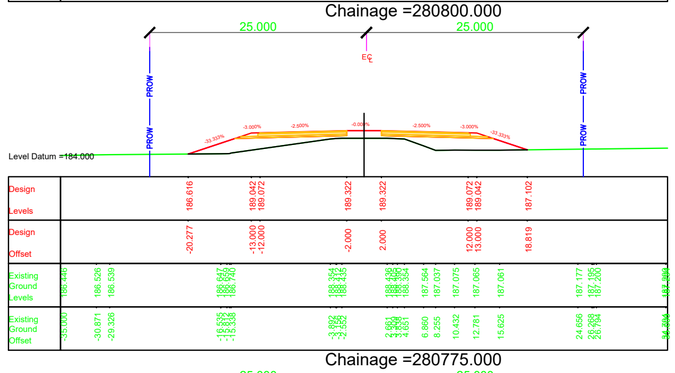


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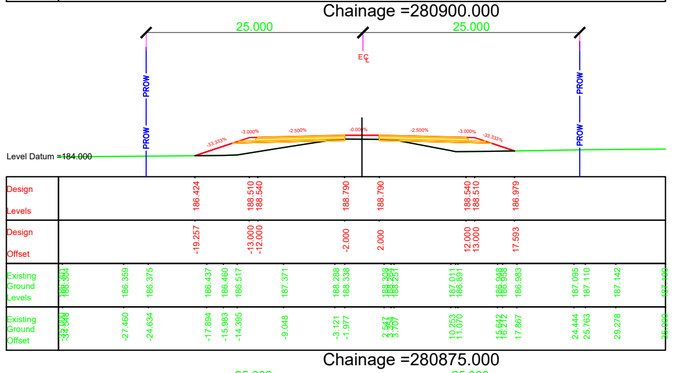


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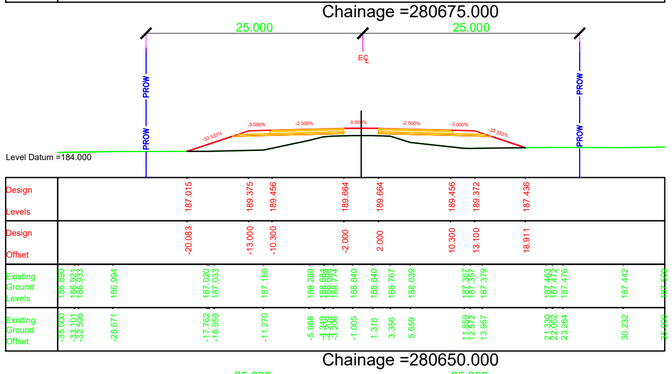


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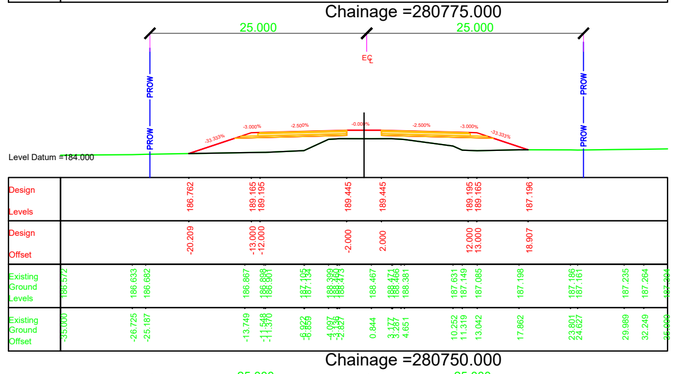


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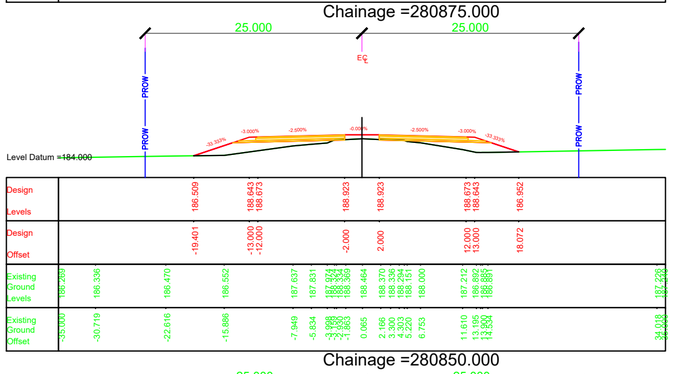


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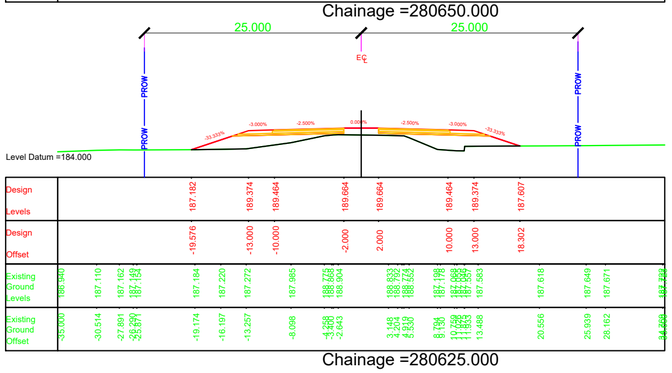


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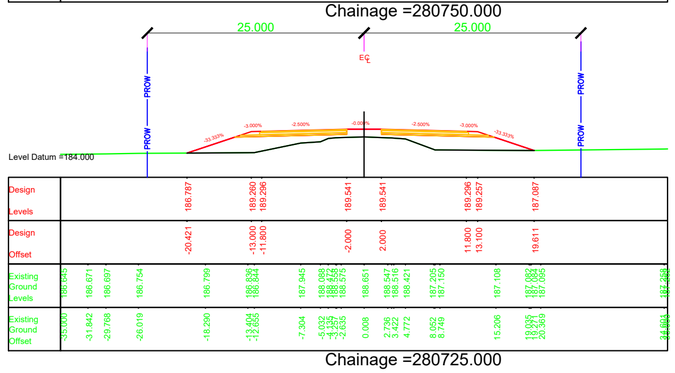


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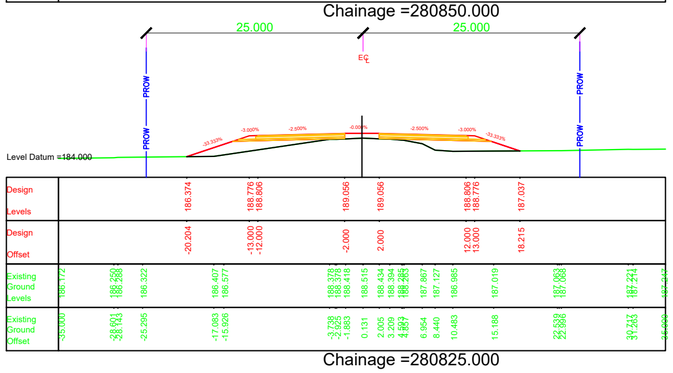



Chainage =280825.000

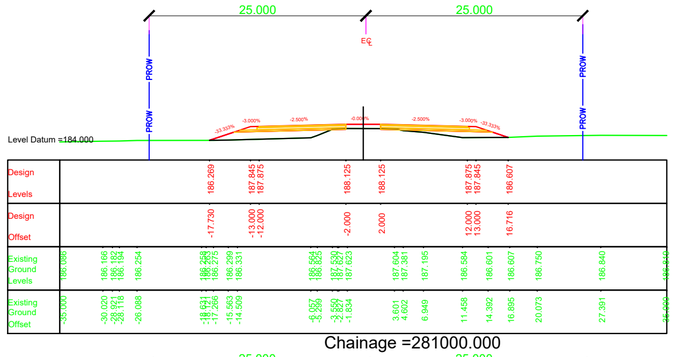
NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 280+625 to Km 280+900 |
| | | | Approved By | Mr. Harikrishna Bhavsar Nec.No. | Signature | | Sheet No. |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 143

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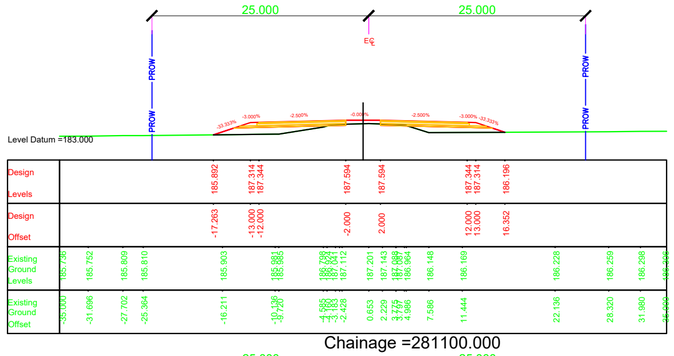


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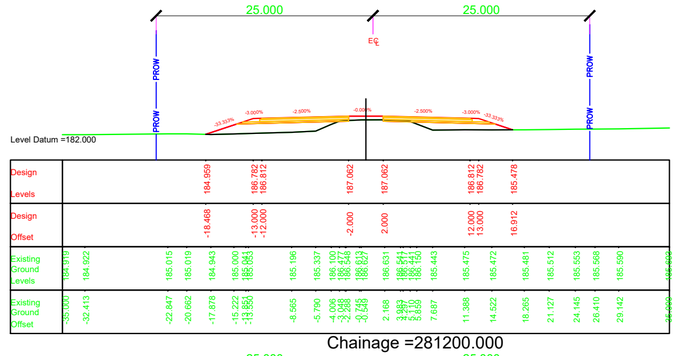


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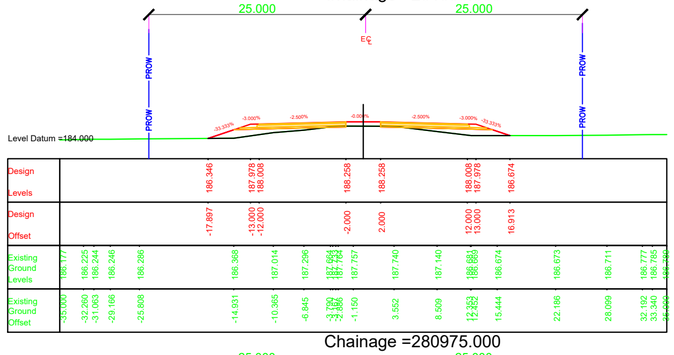


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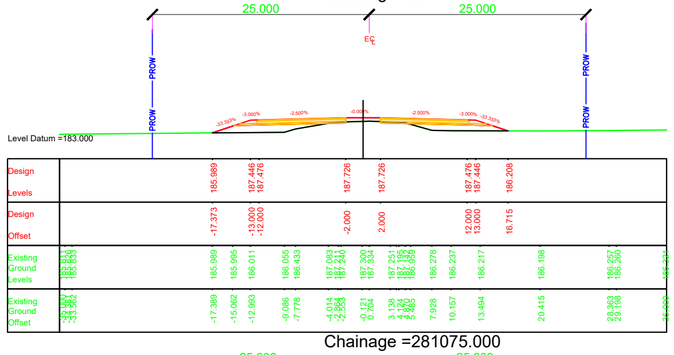


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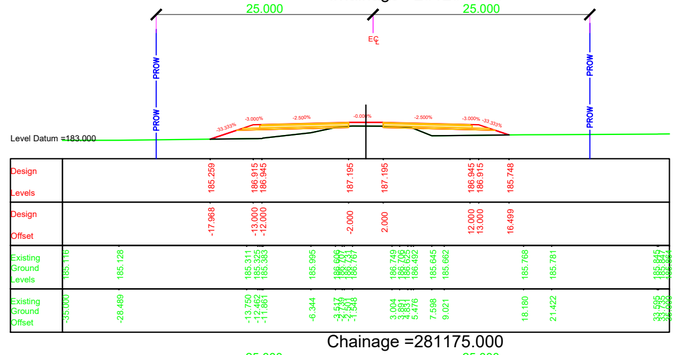


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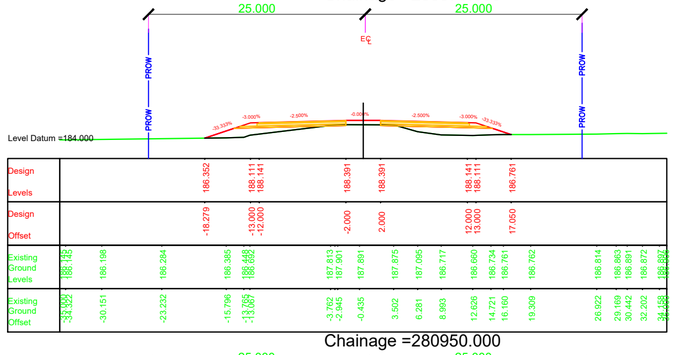


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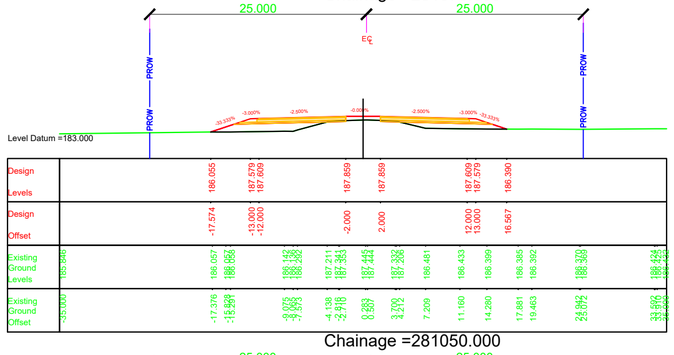


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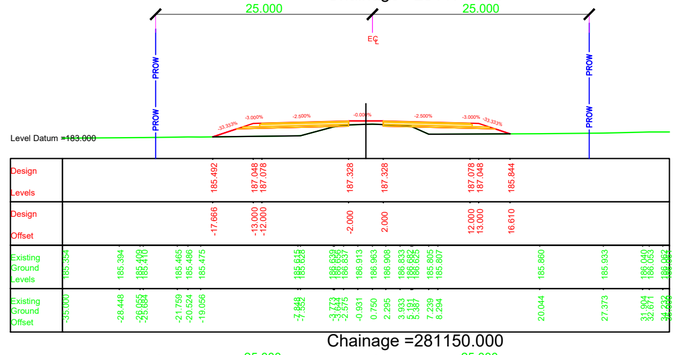


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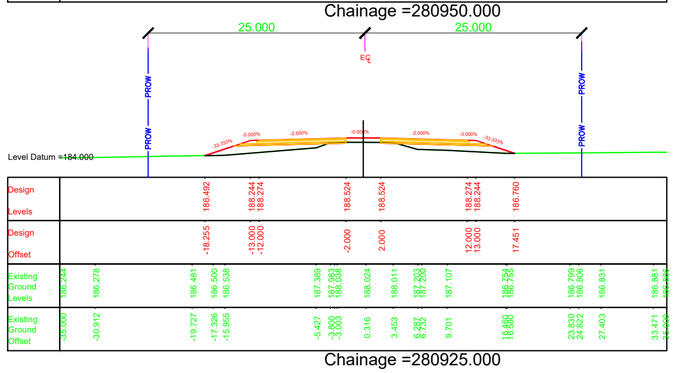


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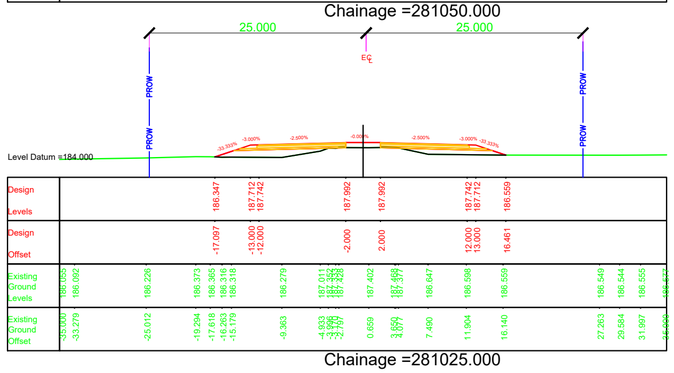


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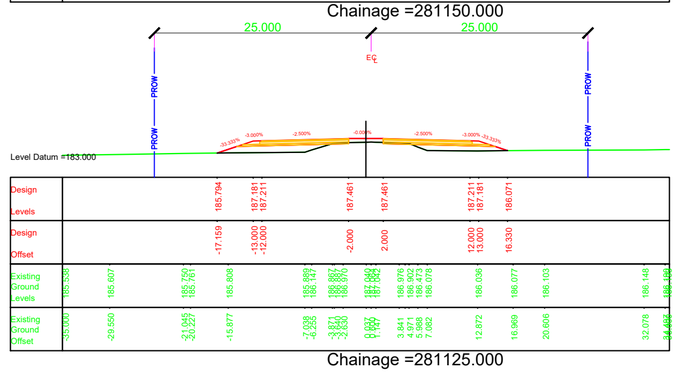
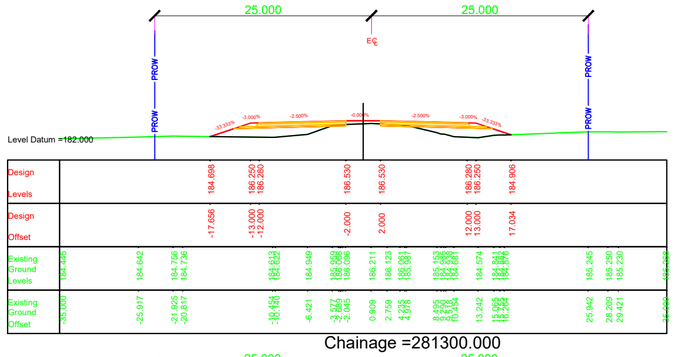



Chainage =281125.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 / Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 280+925 to Km 281+200 / Drawing No. KDP/DDR/HIGHWAY/RCS- 144 |
| | | | Approved By | Mr. Harikrishna Bhavsar Nec.No. | Signature | | Sheet No. |

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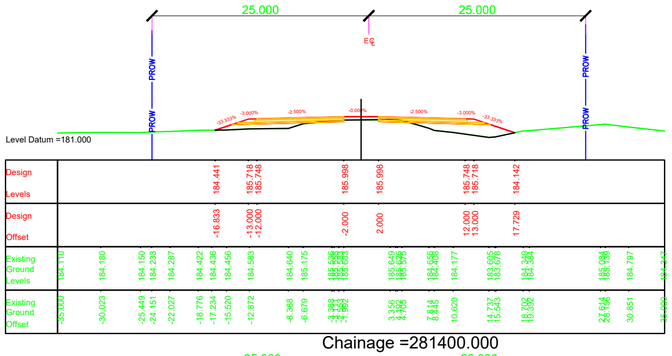


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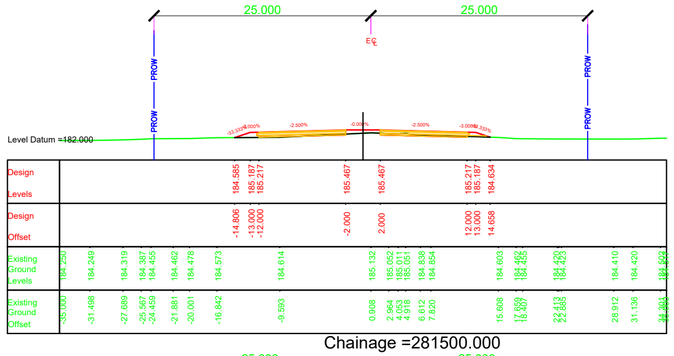


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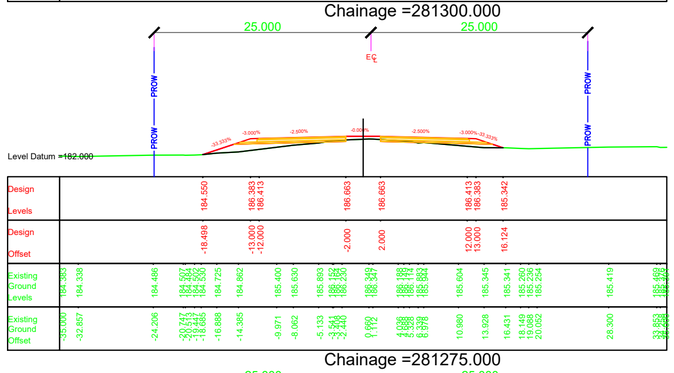


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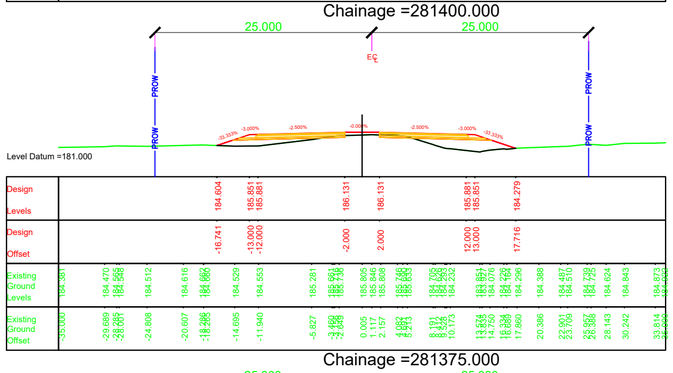


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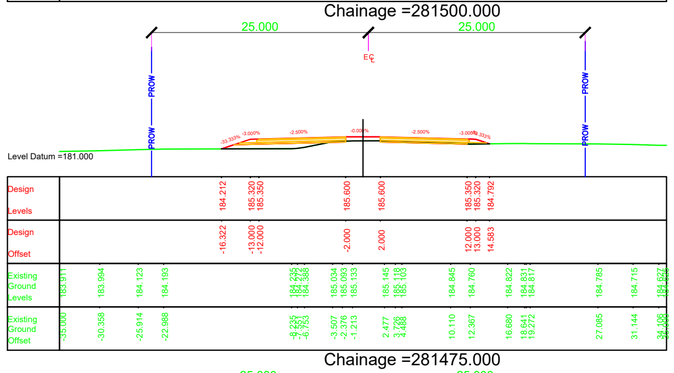


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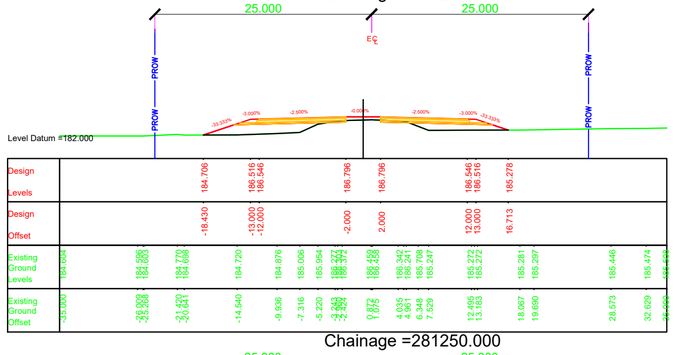


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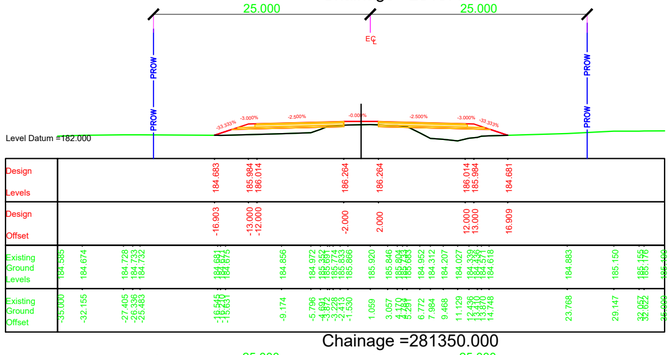


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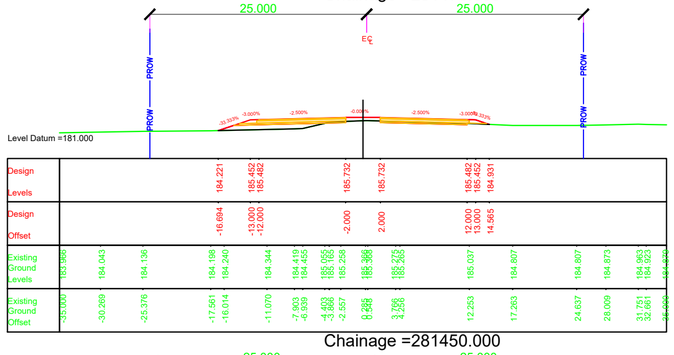


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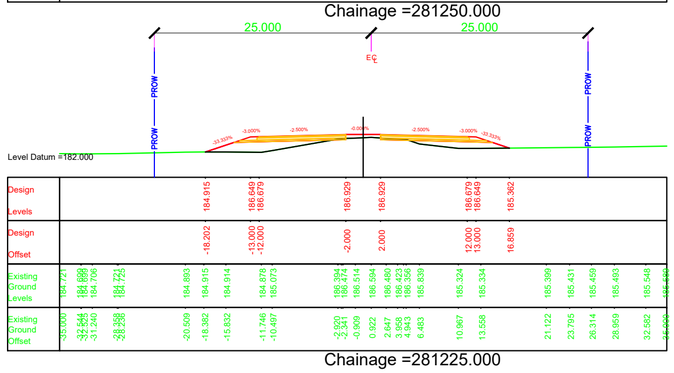


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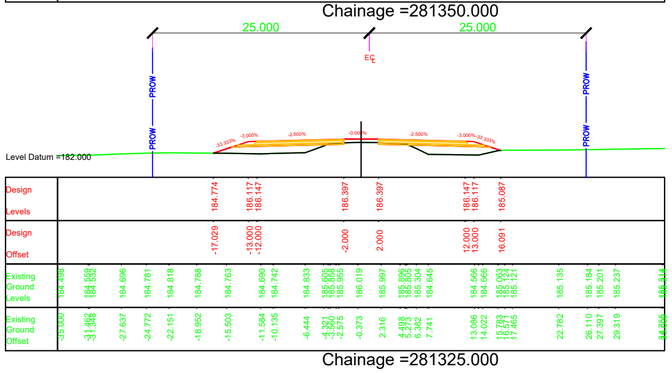


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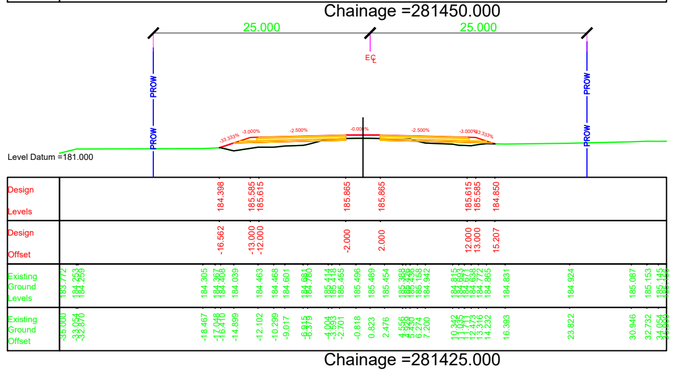
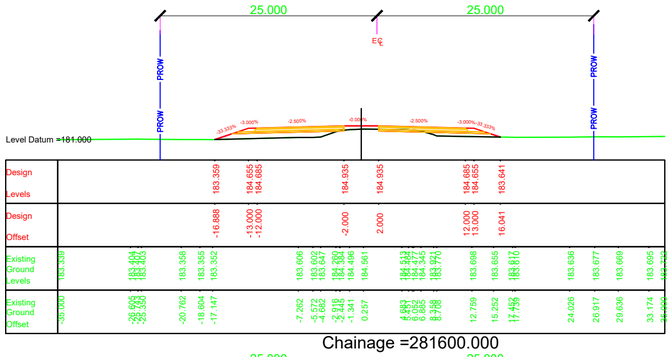


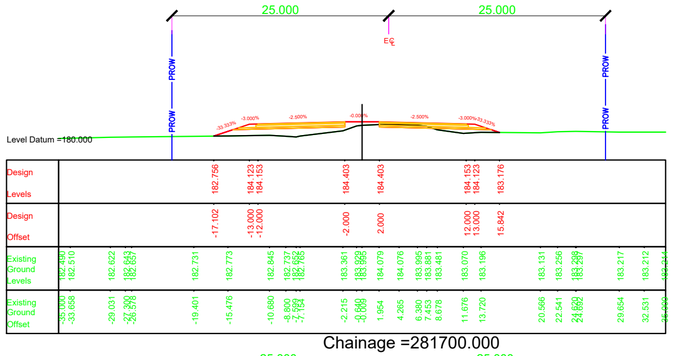

Chainage =281425.000

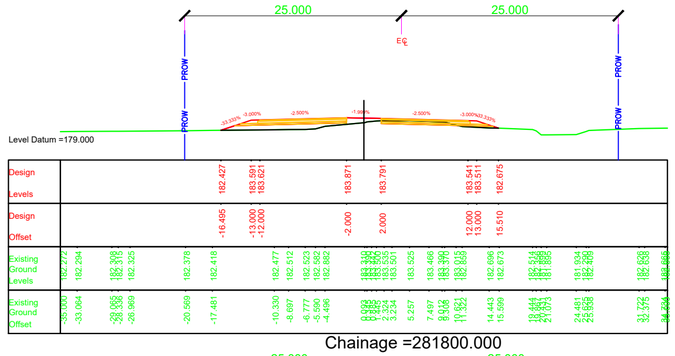
NOTES:

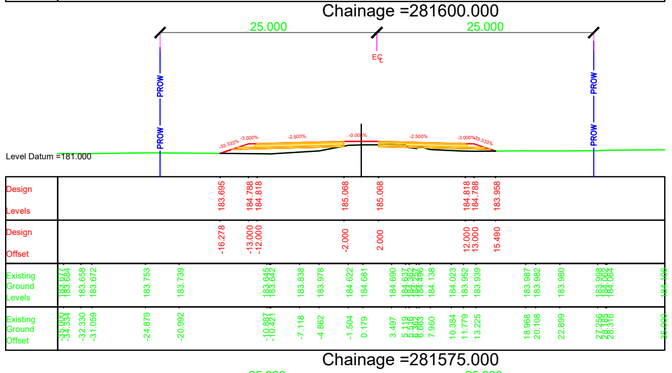
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

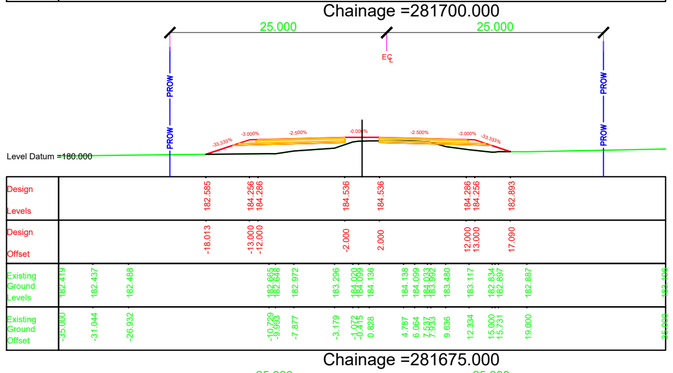
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 281+225 to Km 281+500<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 145 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

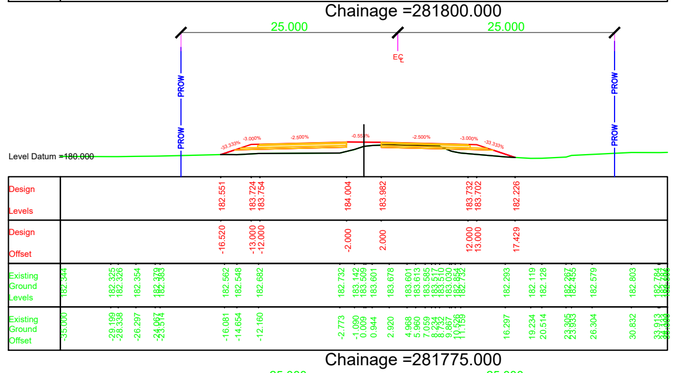


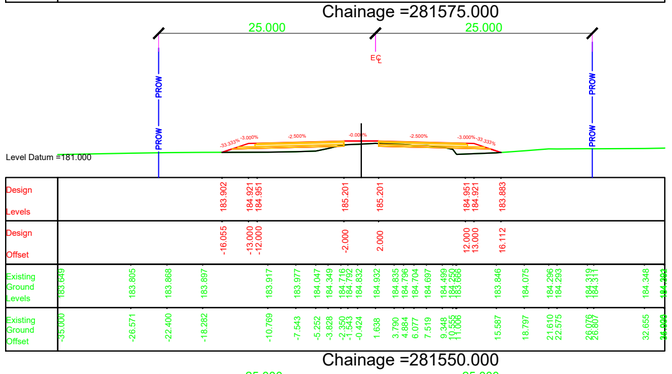



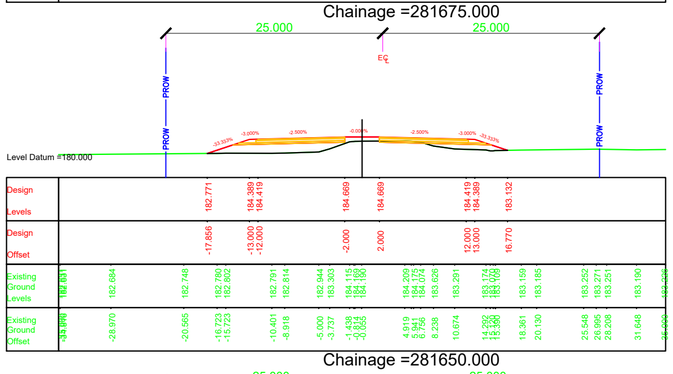



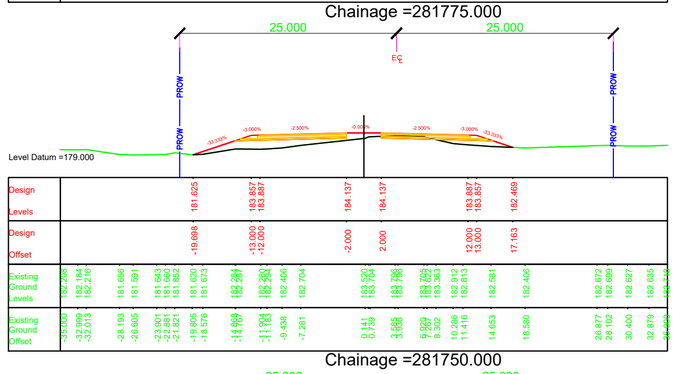



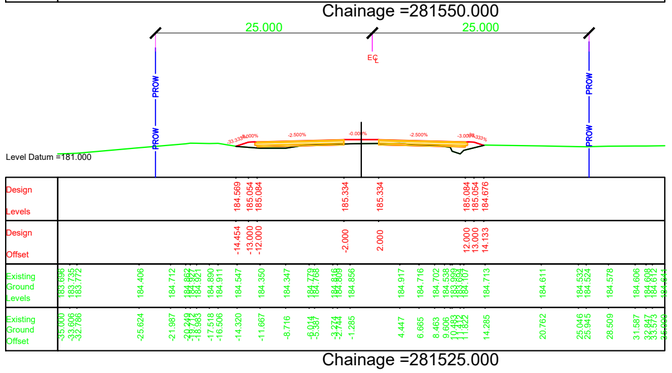



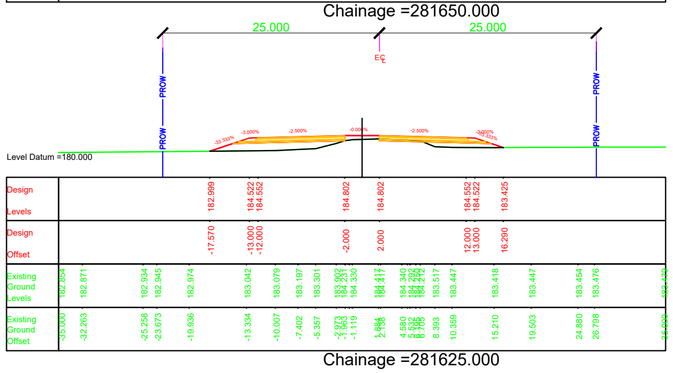



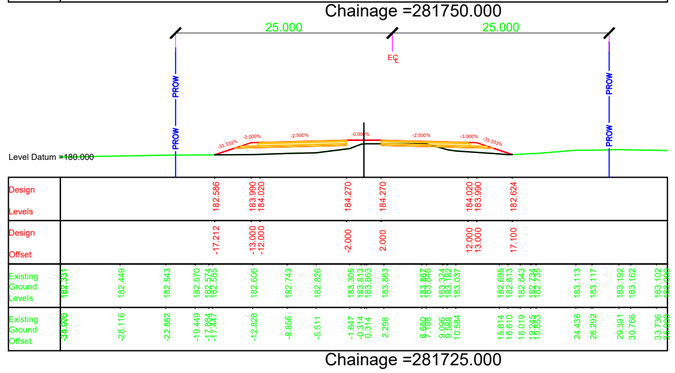



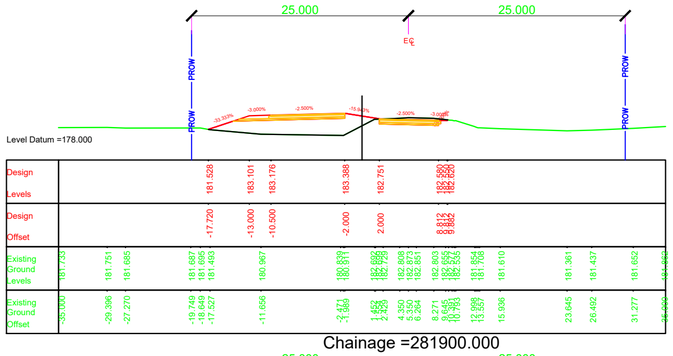




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 281+525 to Km 281+800 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 146<br>Sheet No. |

# BRIDGE LOCATION

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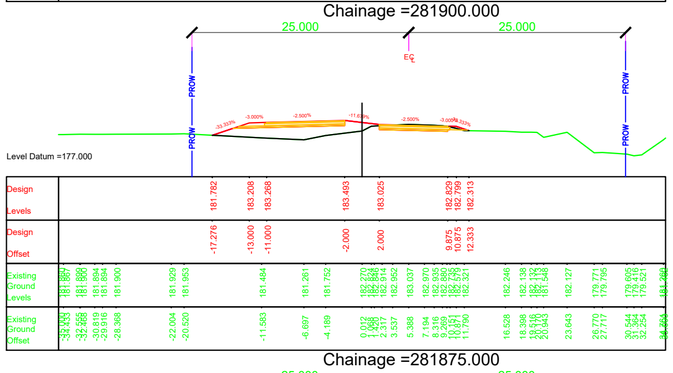


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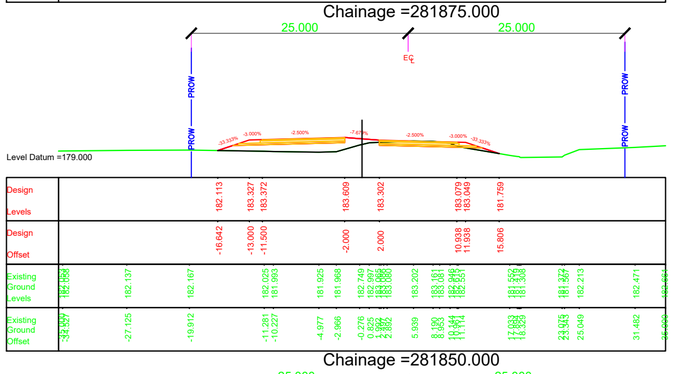


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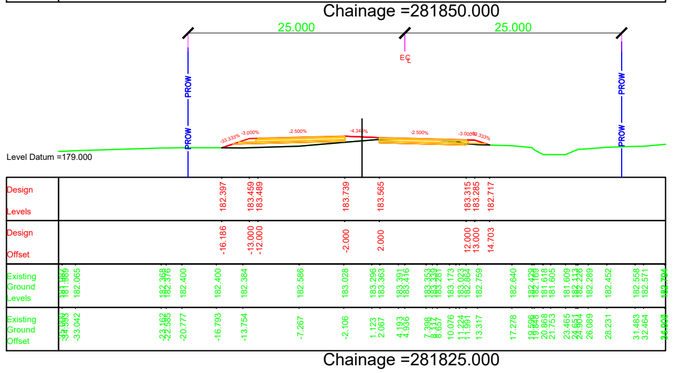


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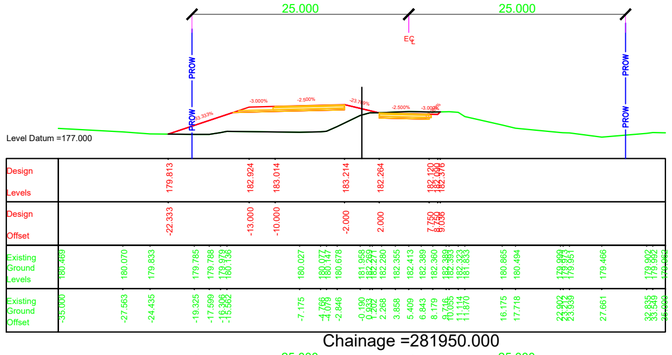


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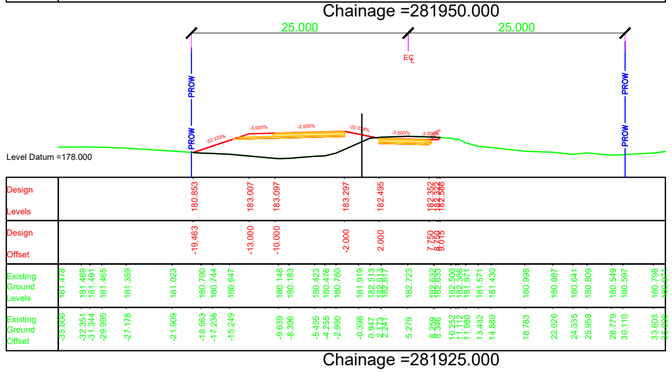


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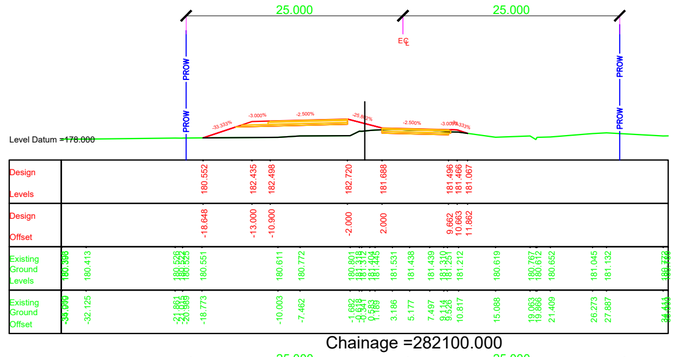


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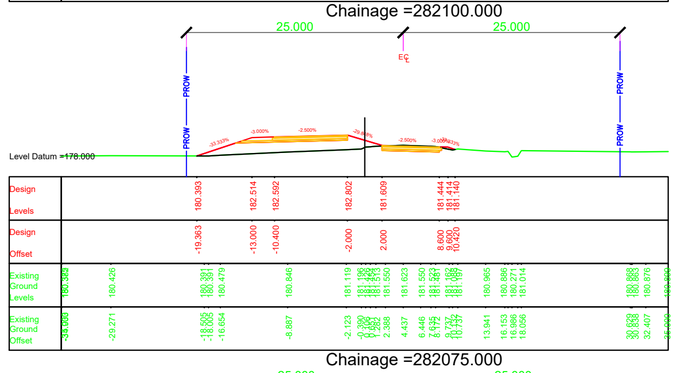


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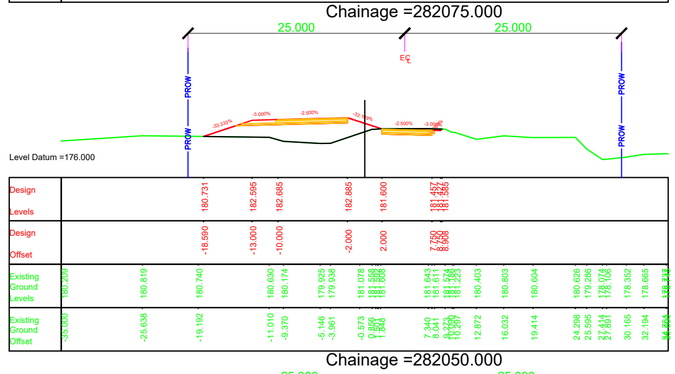


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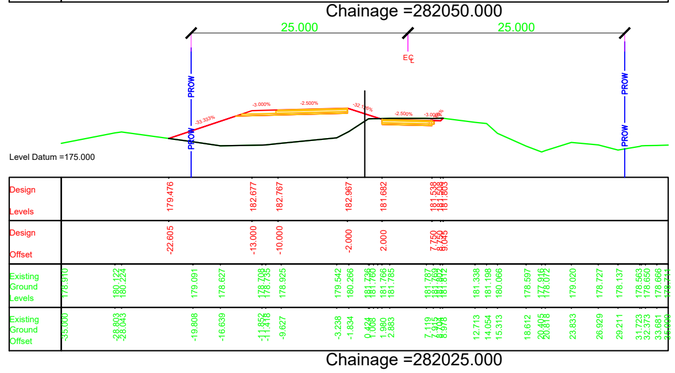
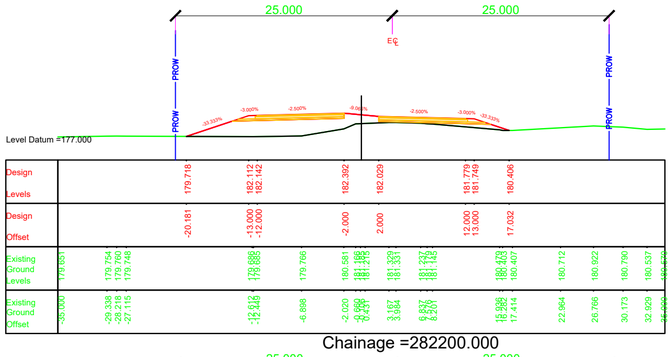



Chainage =282025.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | |
|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION<br>Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Scale: 1:500<br>Chainage: Km 281+825 to Km 282+100 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 147<br>Sheet No. |

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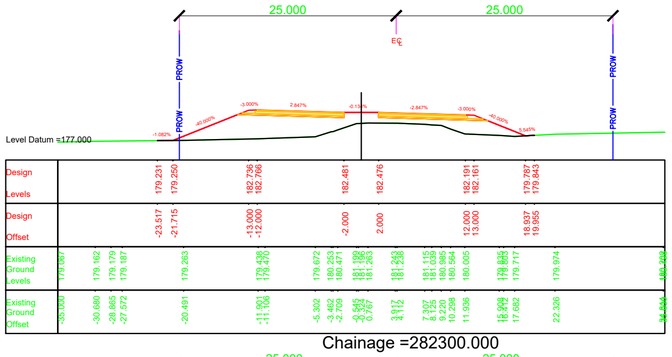


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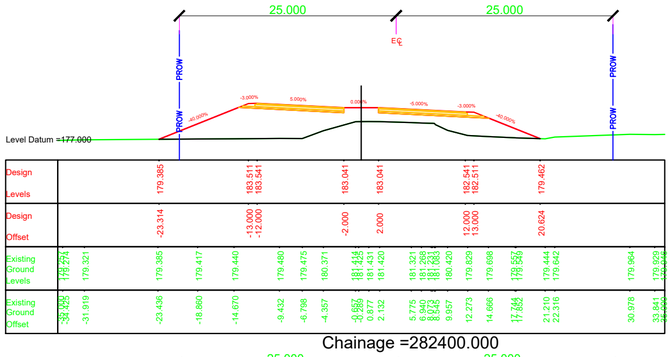


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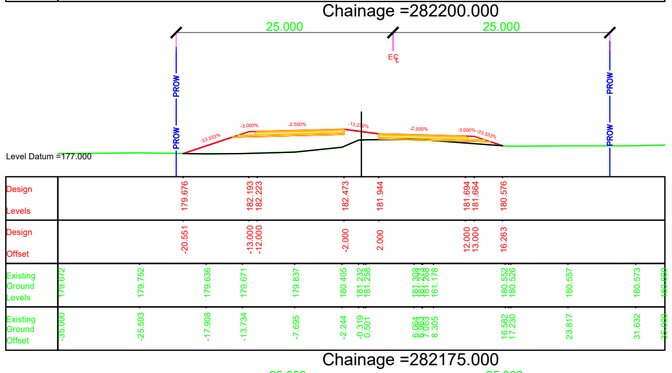


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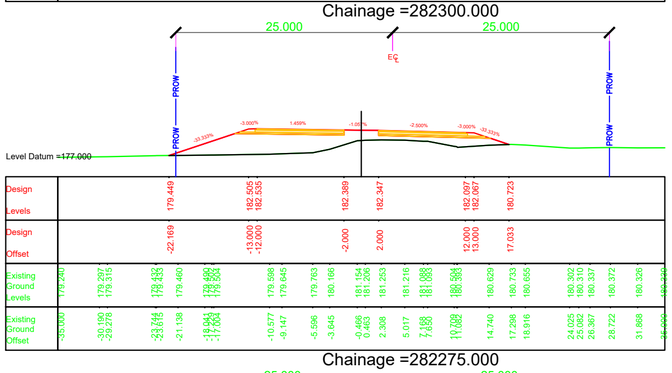


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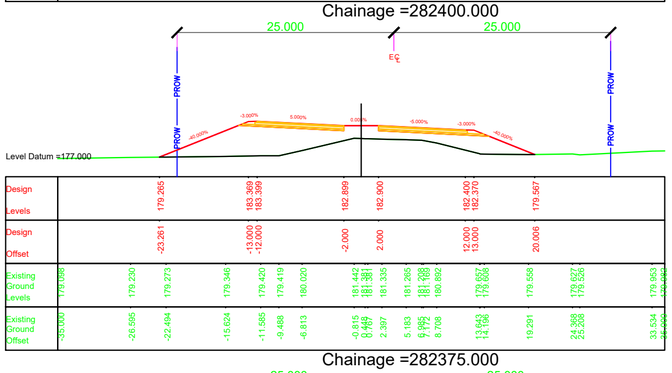


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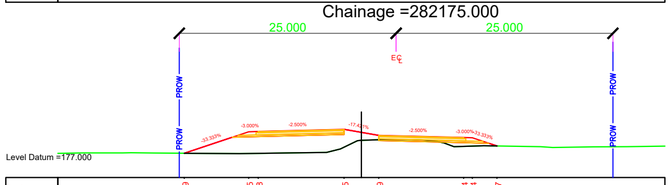


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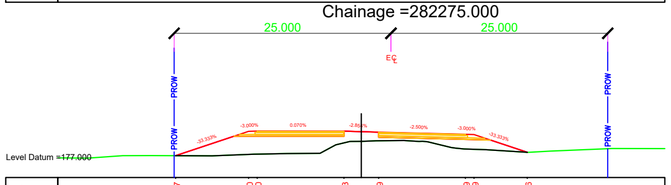


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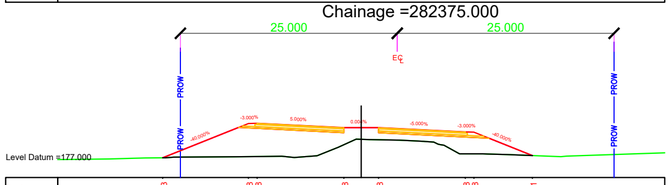


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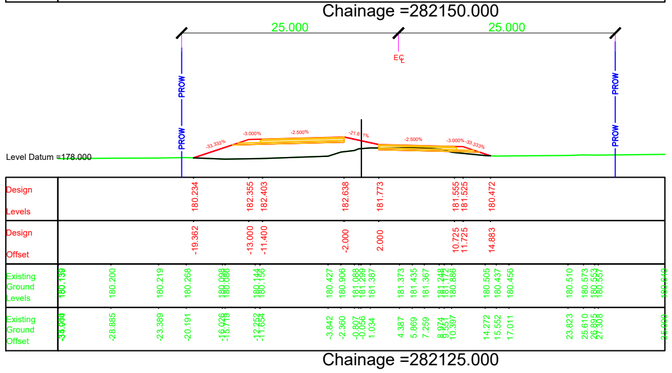


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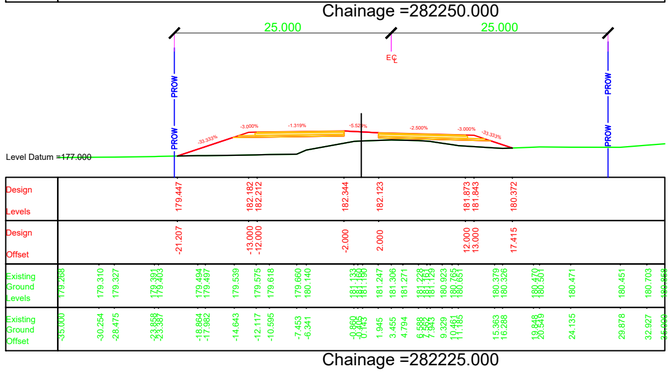


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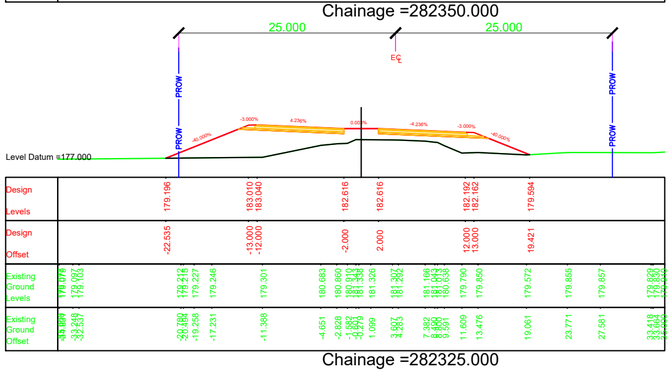
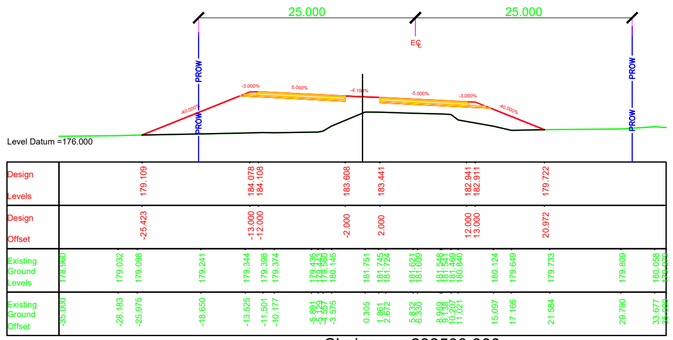



Chainage =282325.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 282+125 to Km 282+400 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Date: JUNE 2023<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 148<br>Sheet No. |

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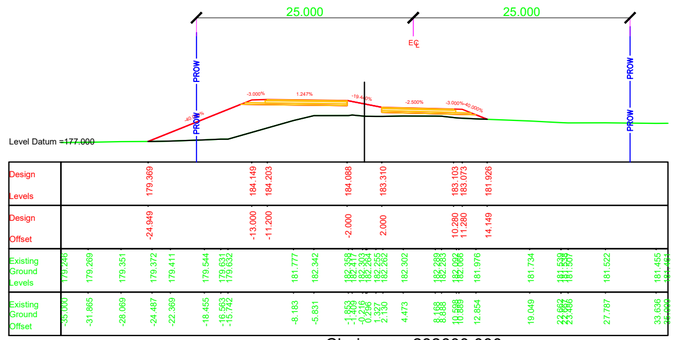


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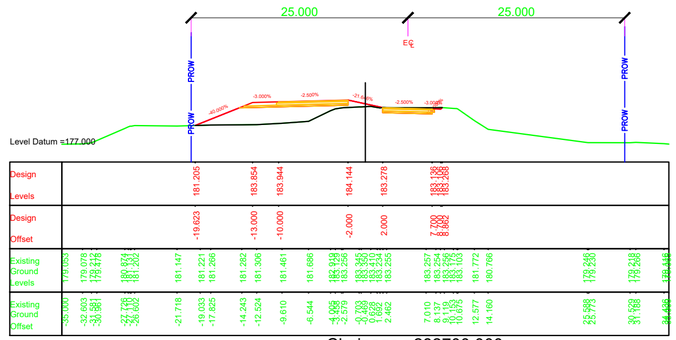


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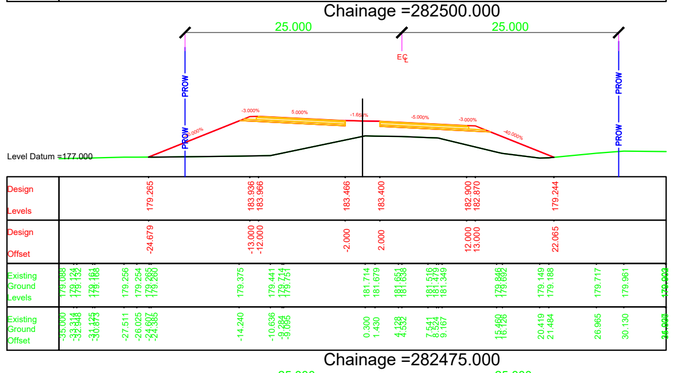


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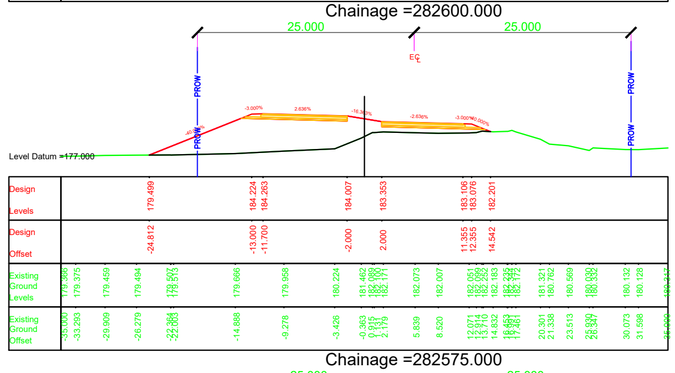


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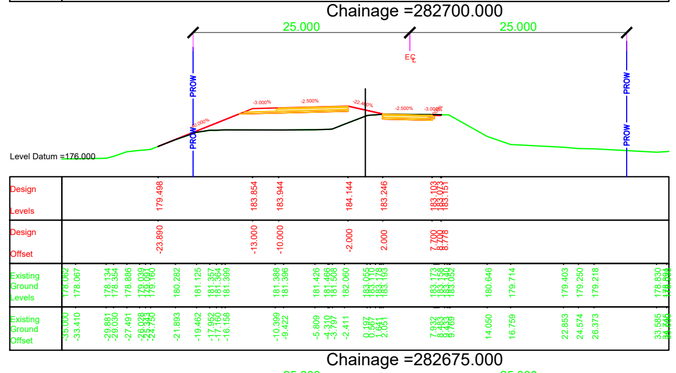


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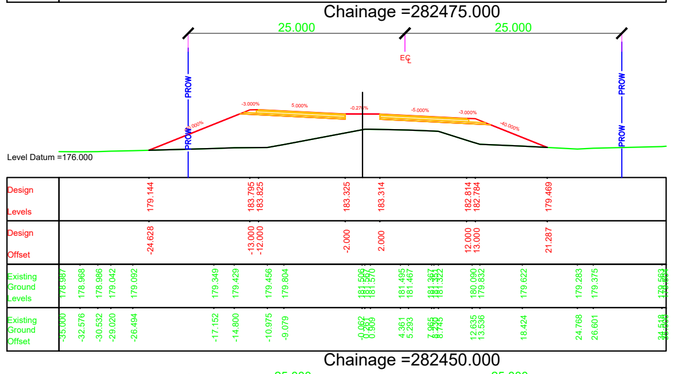


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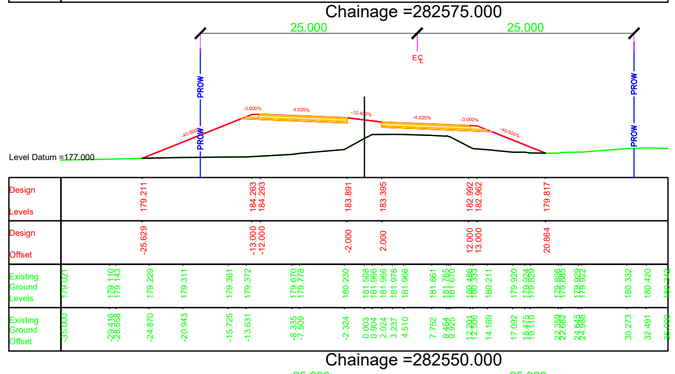


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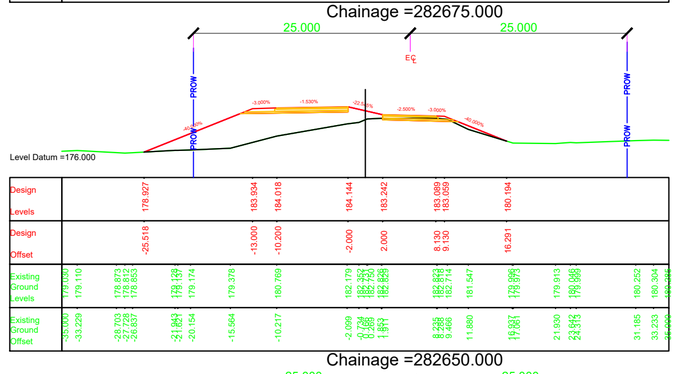


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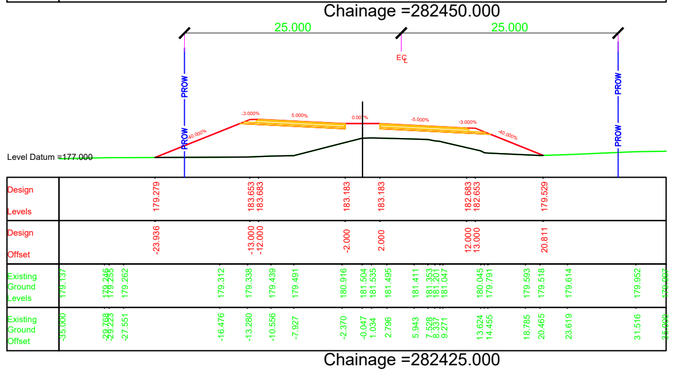


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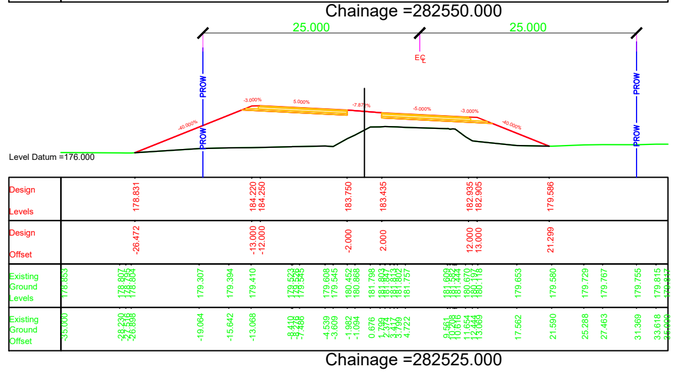


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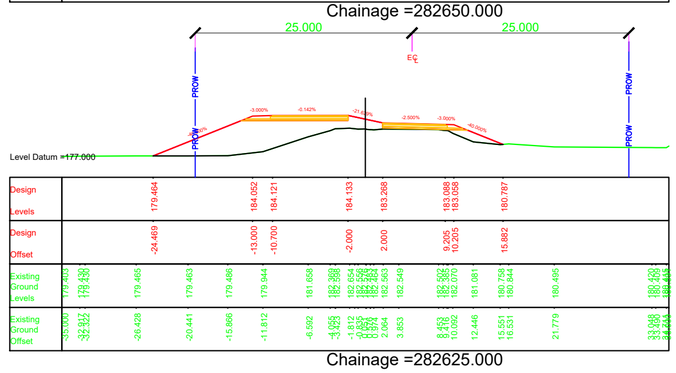


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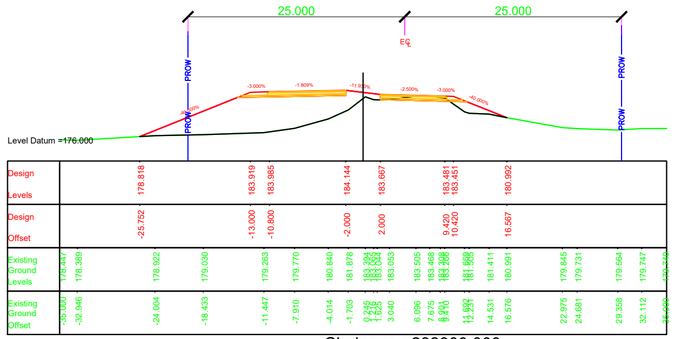
NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146<br>Signature | Drawing Name: RUNNING CROSS SECTION<br>Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No.<br>Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS<br>Chainage: Km 282+425 to Km 282+700<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 149 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No.<br>Signature | Sheet No. |

# BRIDGE LOCATION

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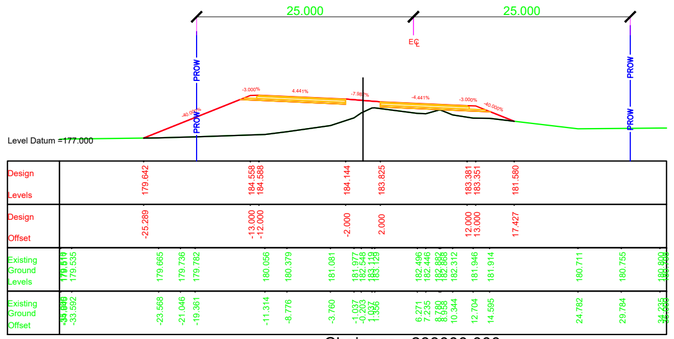


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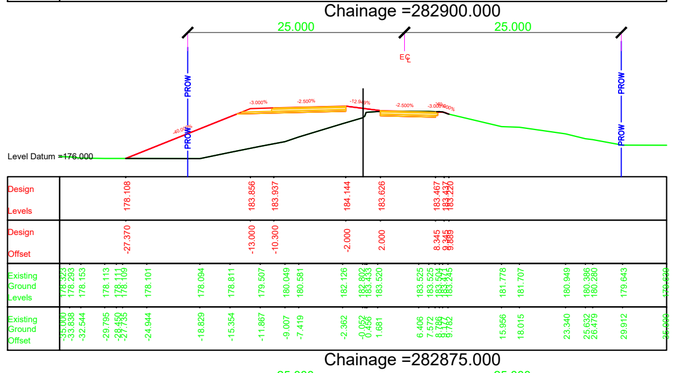


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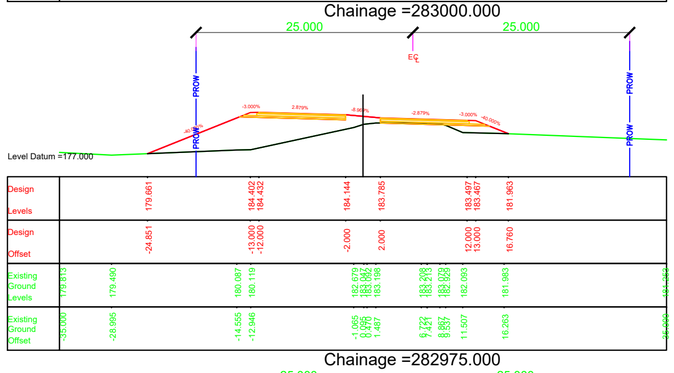


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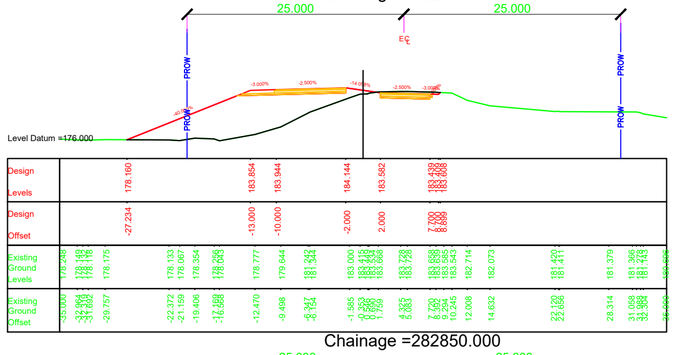


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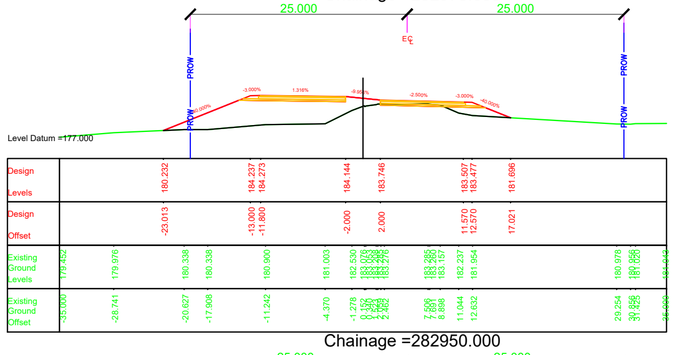


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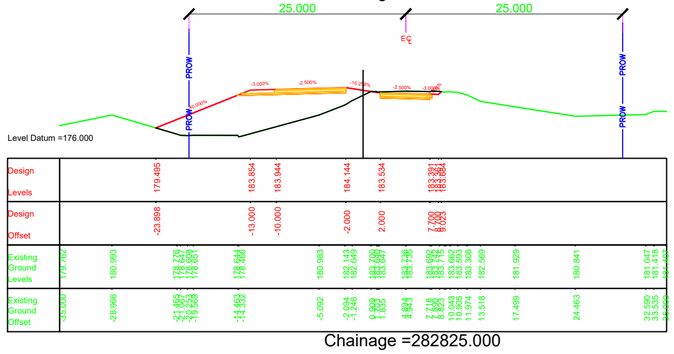


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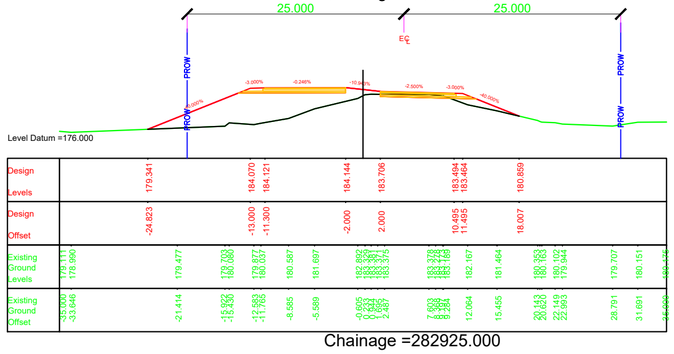



Chainage =282925.000

NOTES:

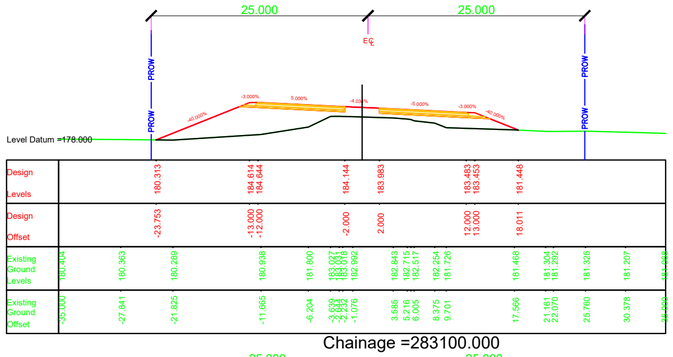
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 282+725 to Km 283+000 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 150

Sheet No.

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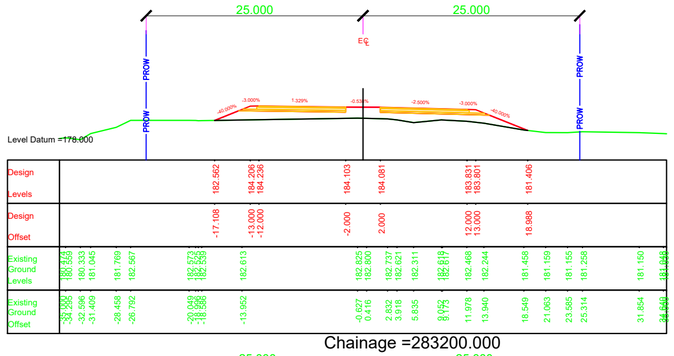


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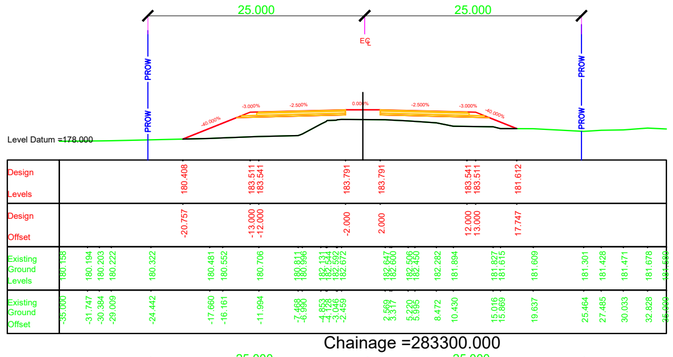


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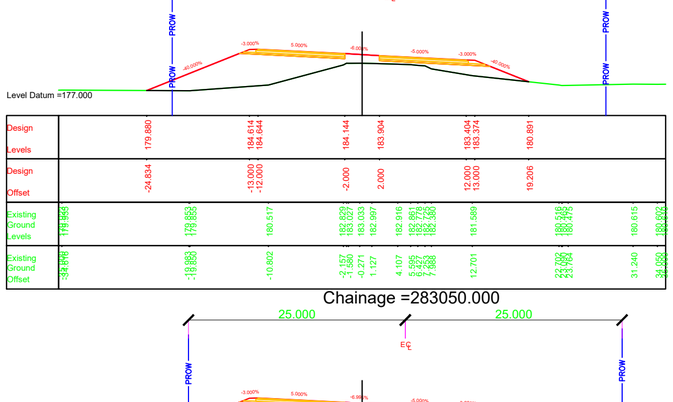


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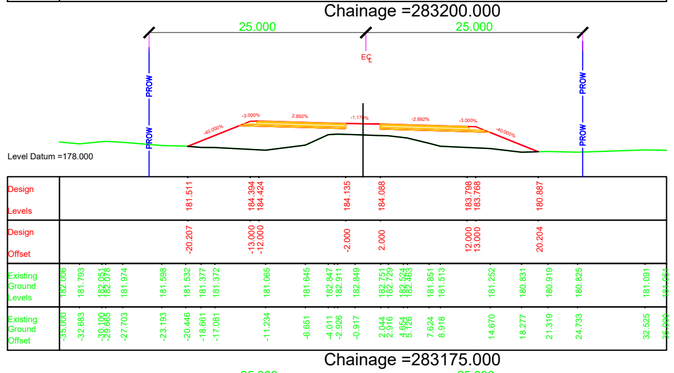


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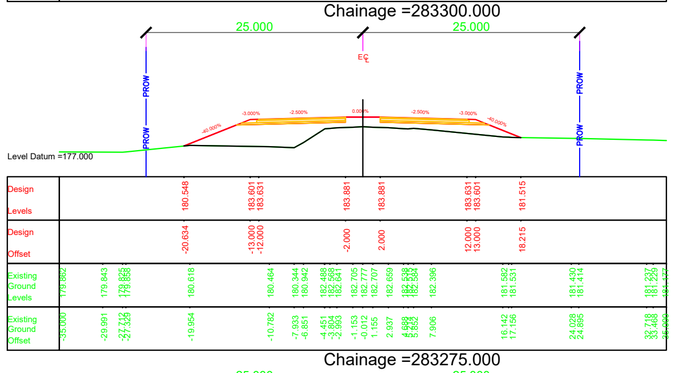


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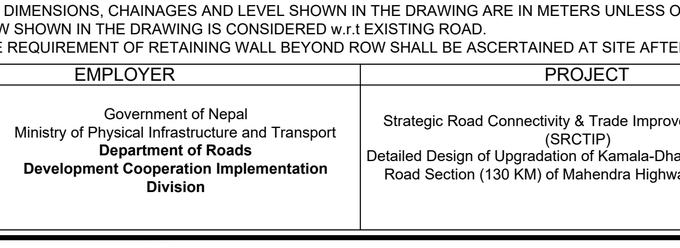


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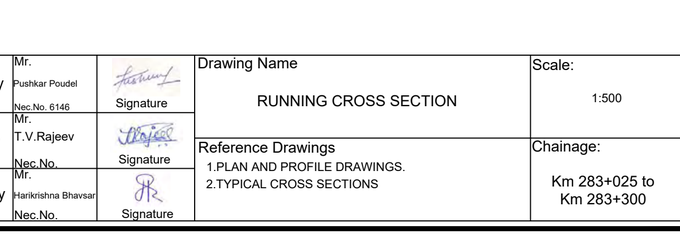


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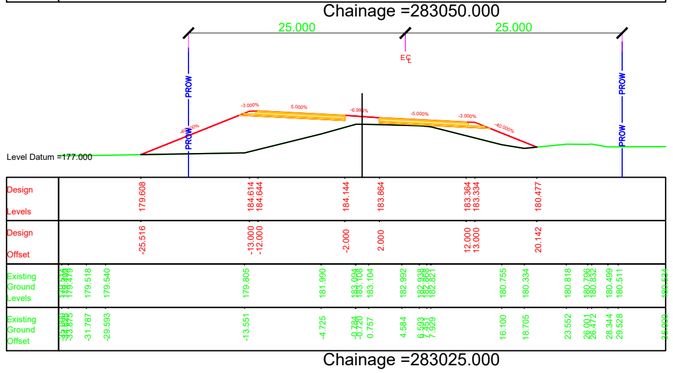


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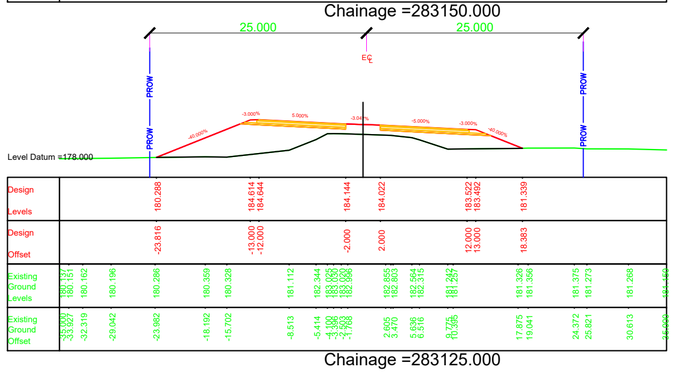


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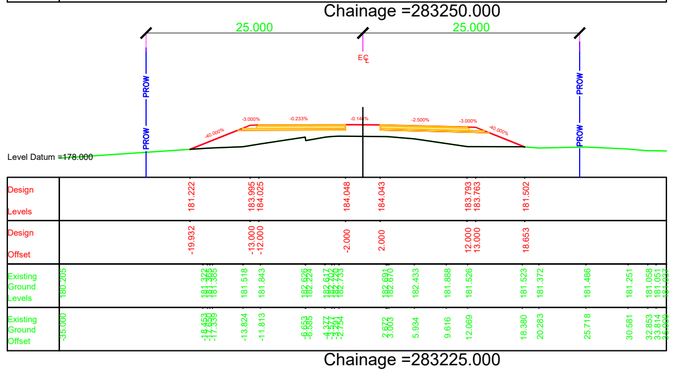


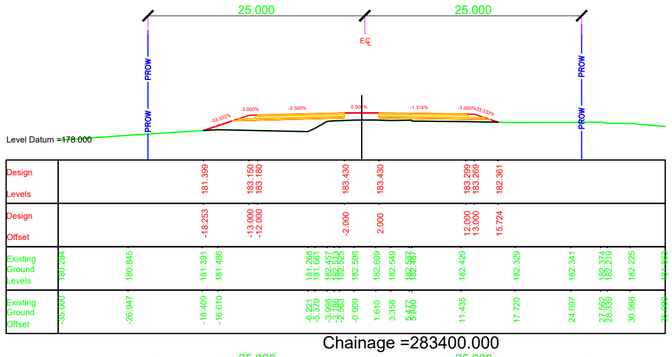

Chainage =283225.000

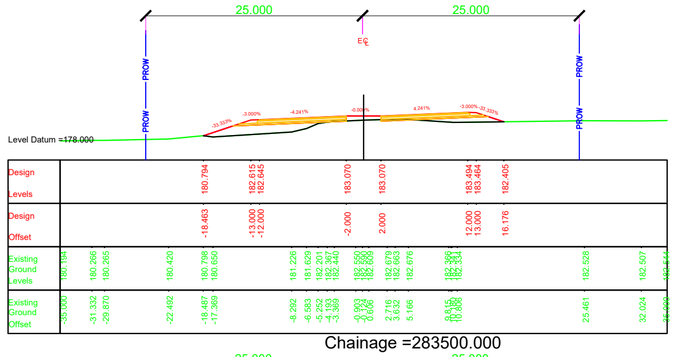
NOTES:

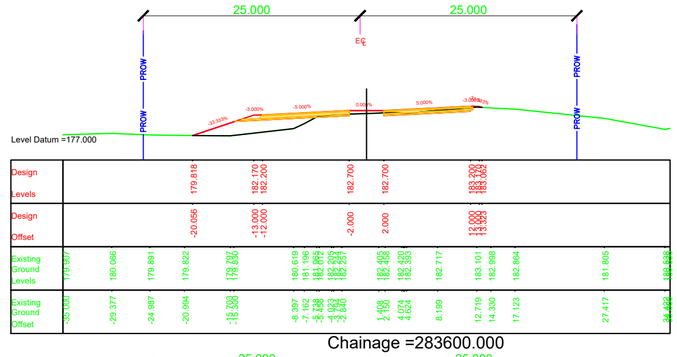
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

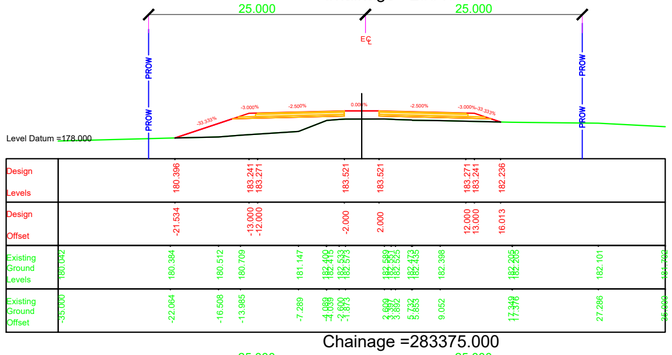
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

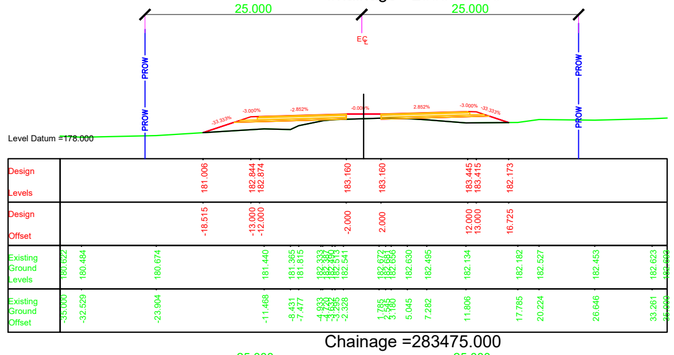
| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 283+025 to Km 283+300 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 151 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

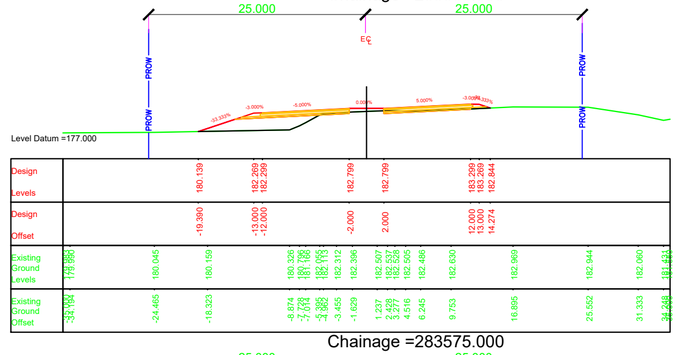


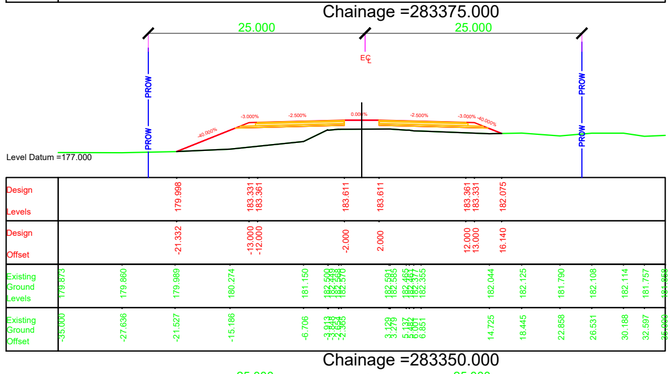



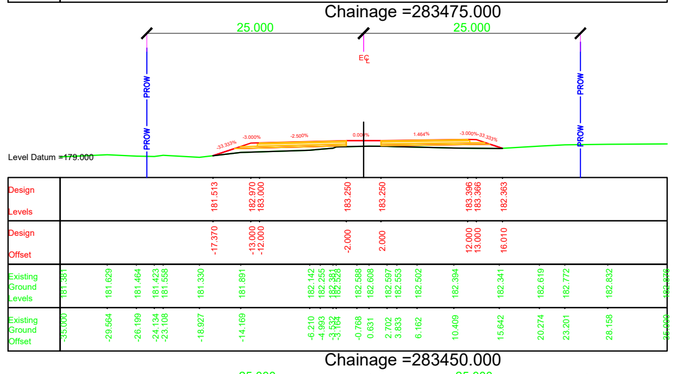



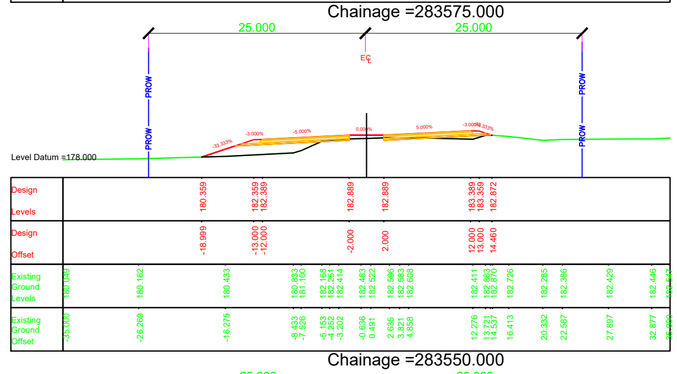



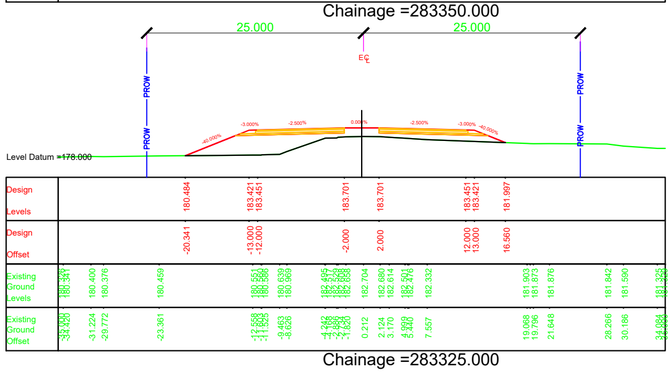



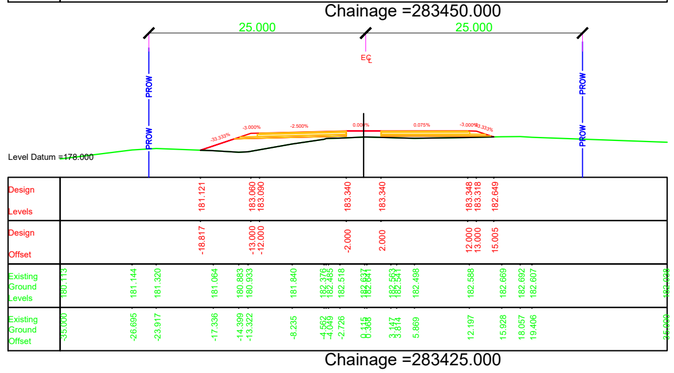



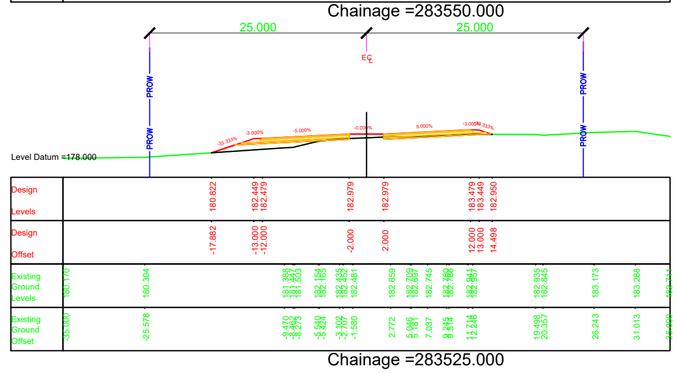




NOTES:

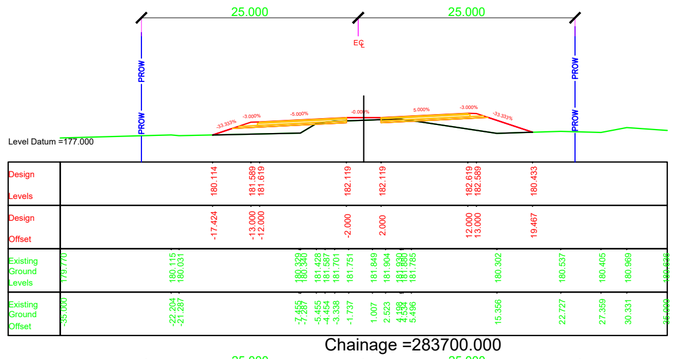
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 283+325 to Km 283+600 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 152

Sheet No.

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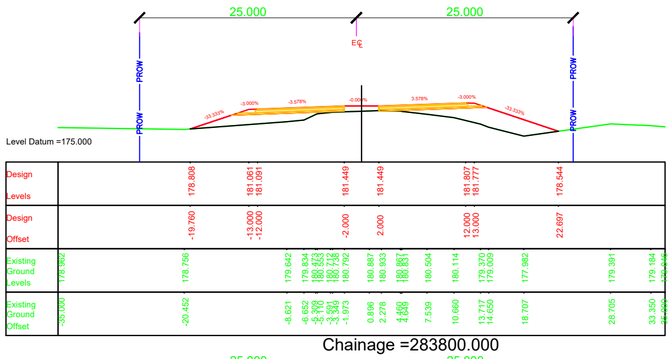


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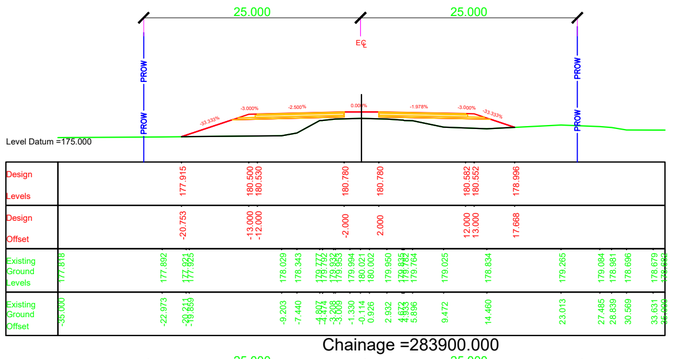


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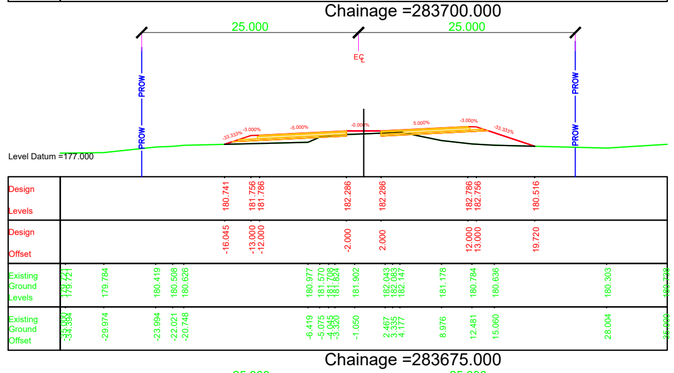


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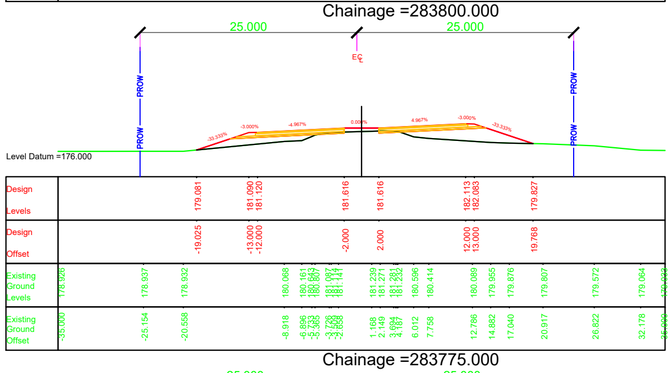


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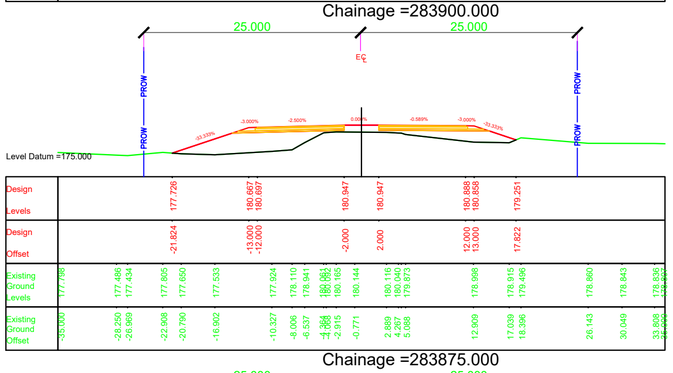


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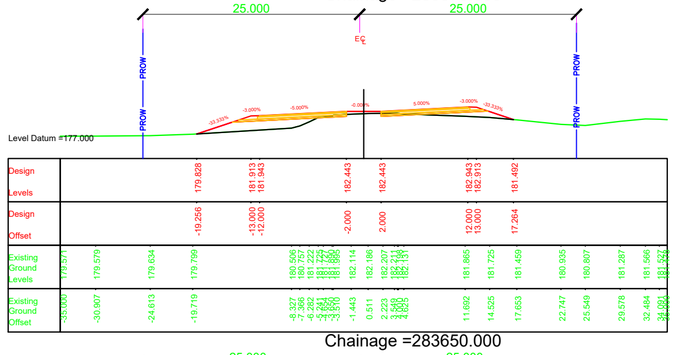


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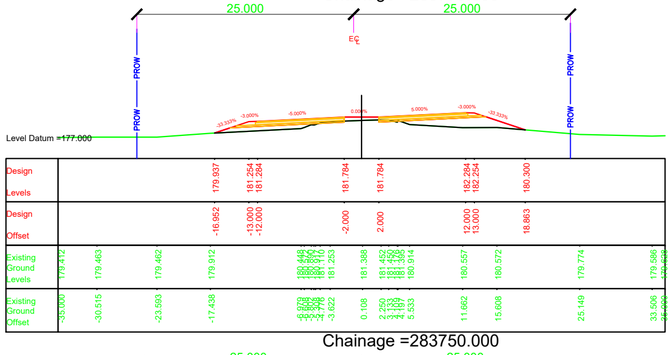


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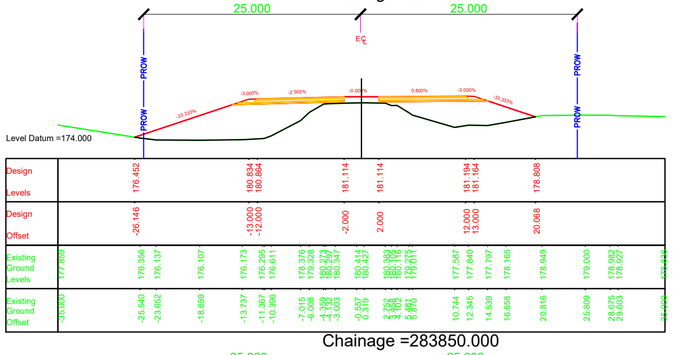


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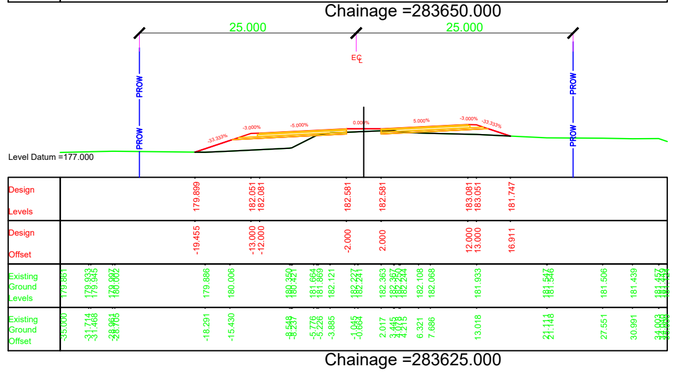


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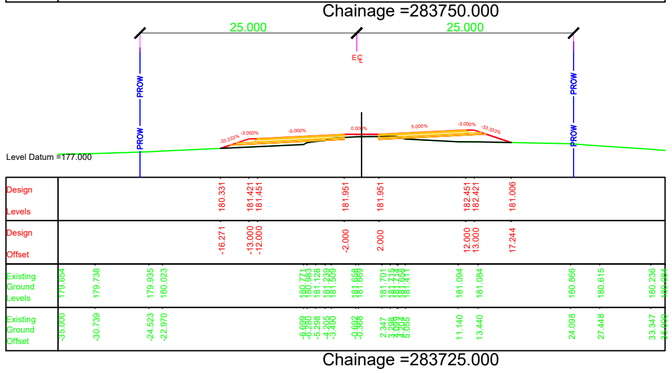


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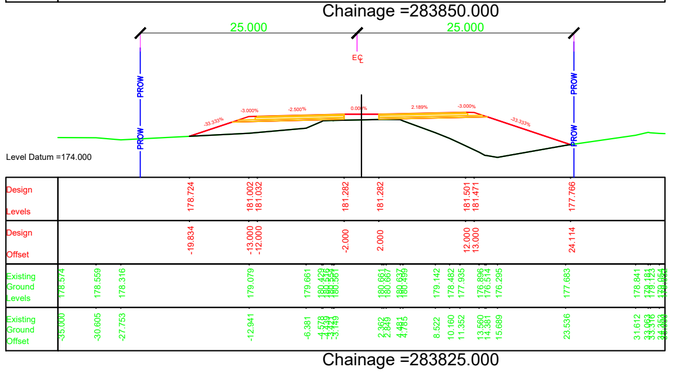


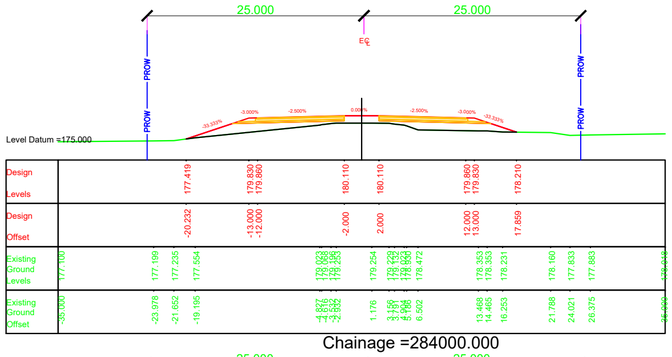

Chainage =283825.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 283+626 to Km 283+900 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 153 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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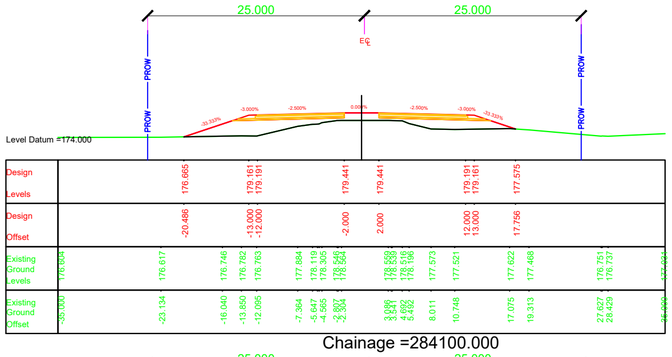


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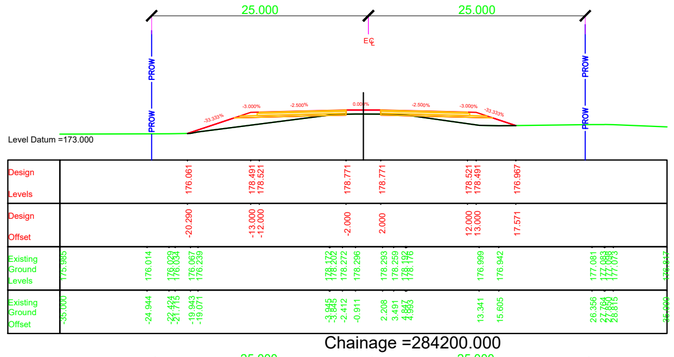


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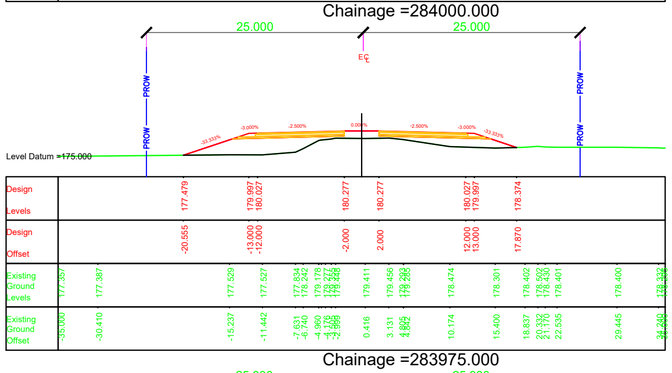


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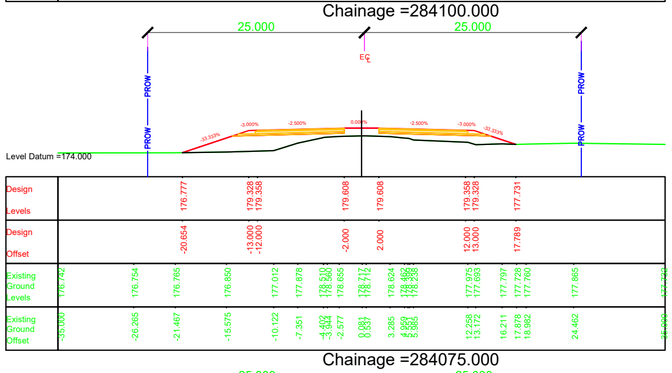


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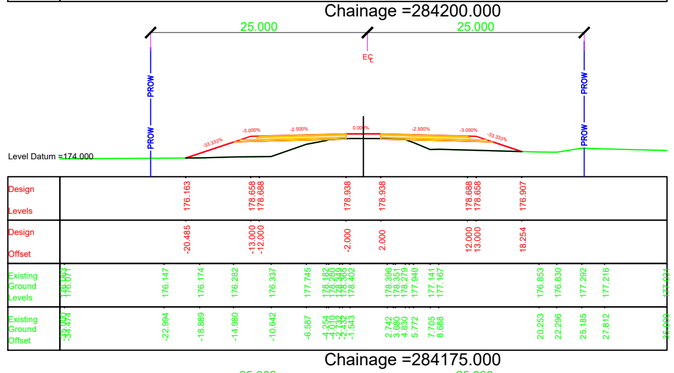


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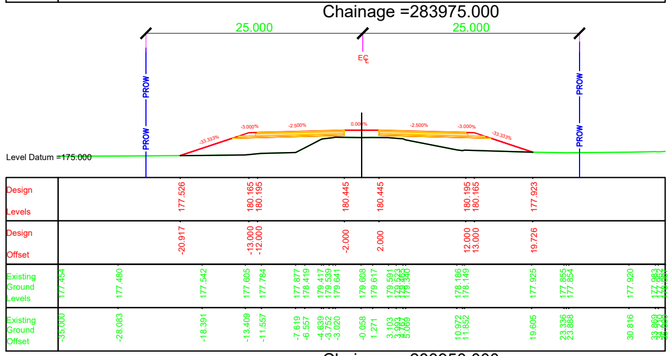


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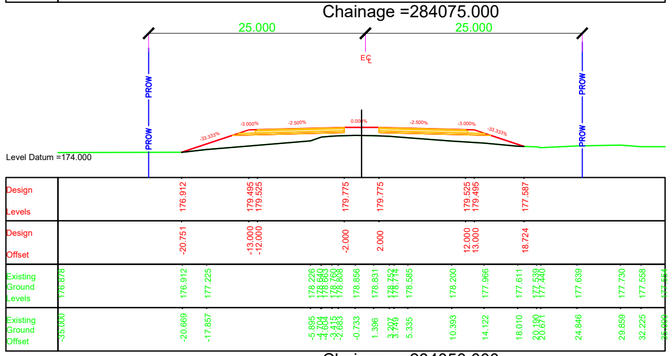


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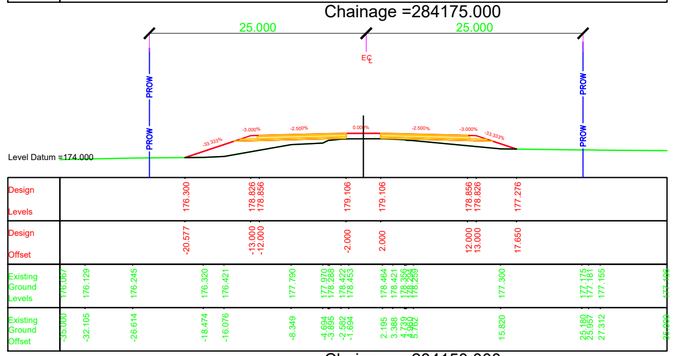


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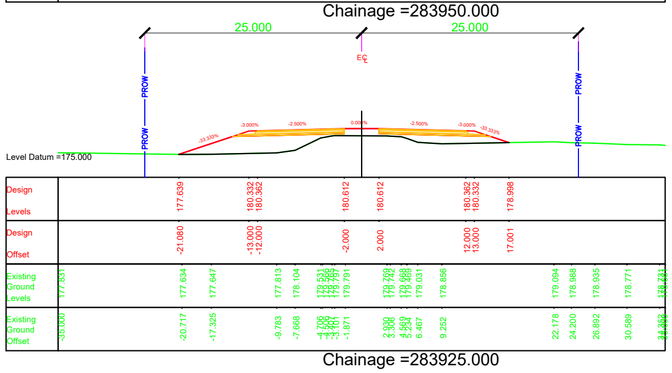


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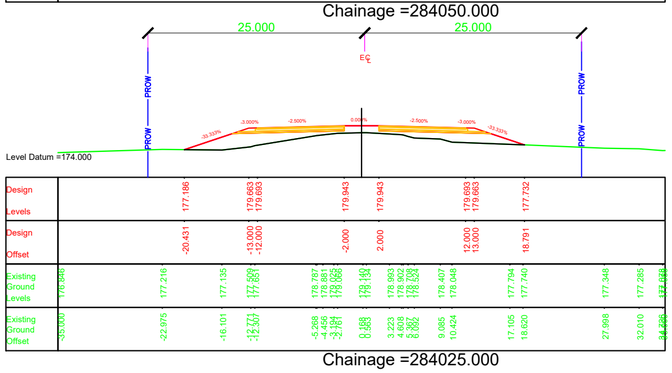


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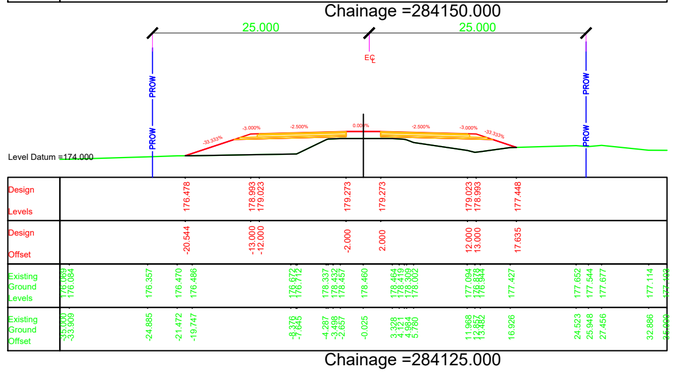
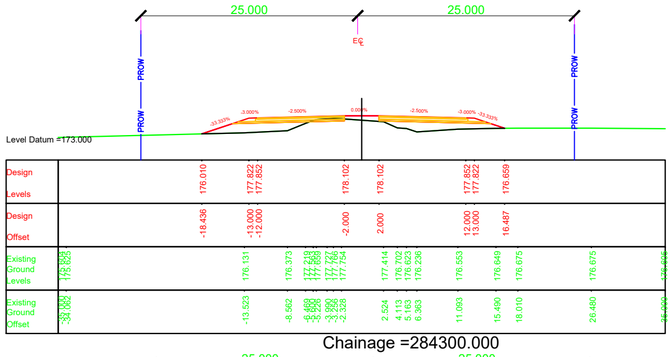



Chainage =284125.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 283+925 to Km 284+200<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 154 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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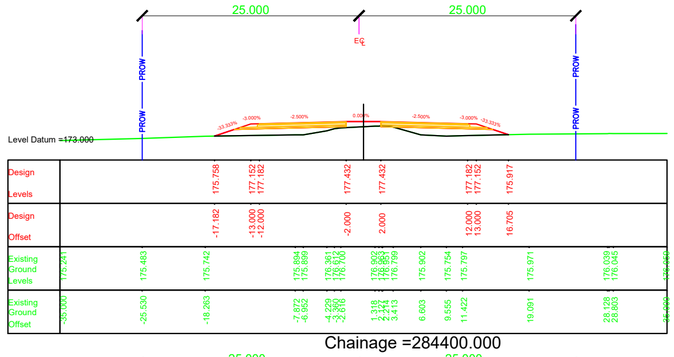


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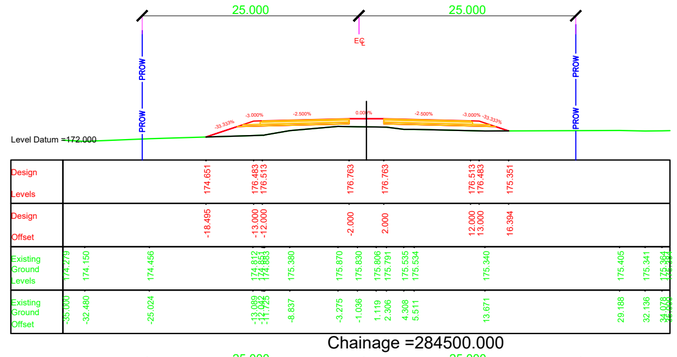


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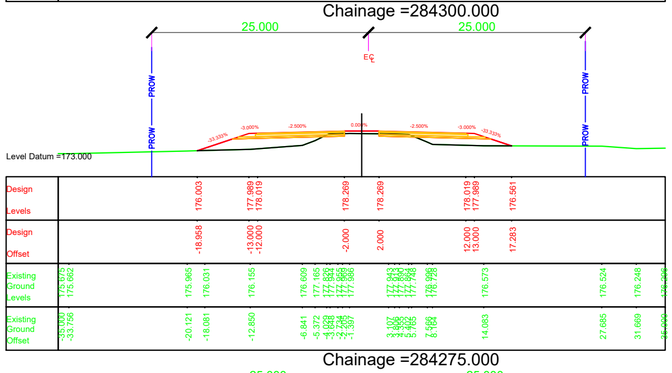


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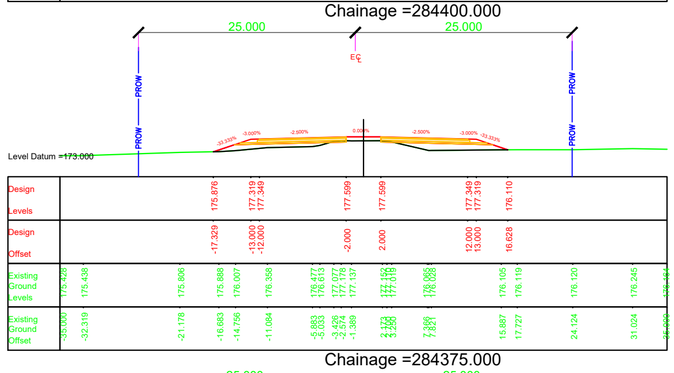


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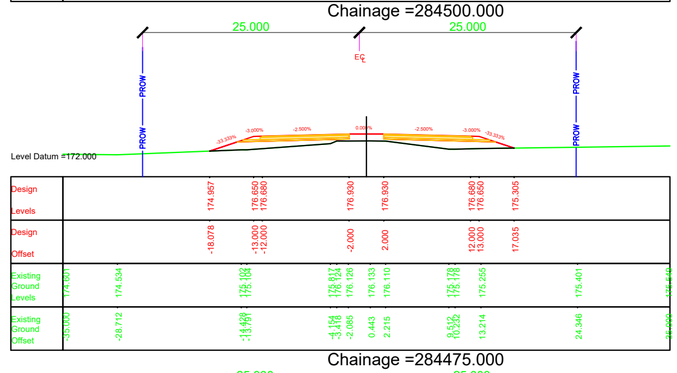


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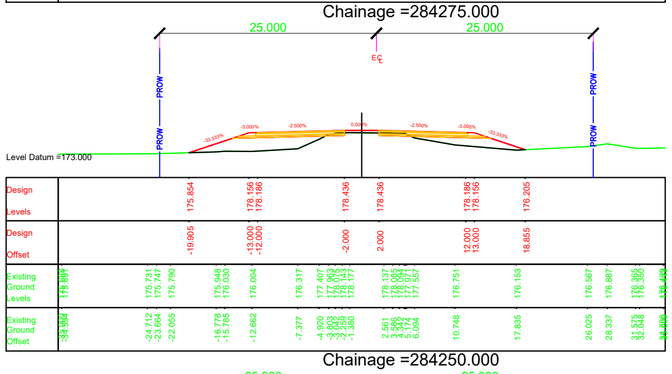


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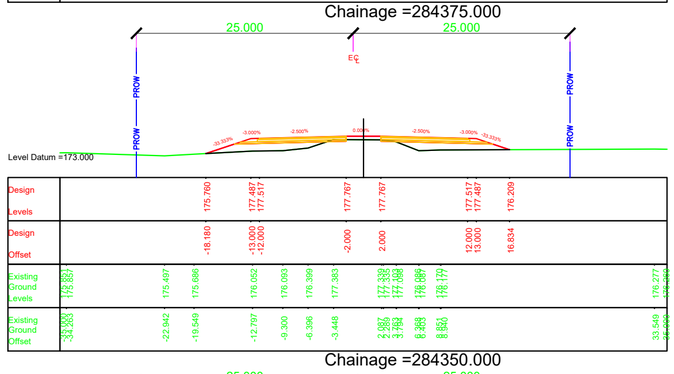


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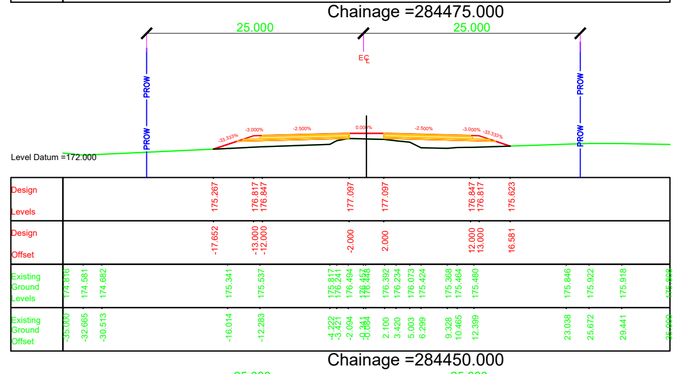


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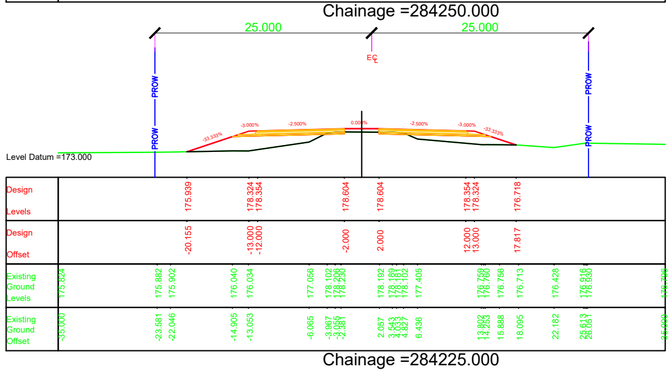


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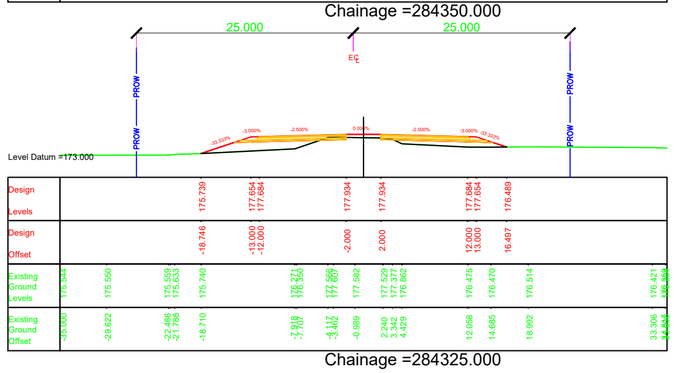


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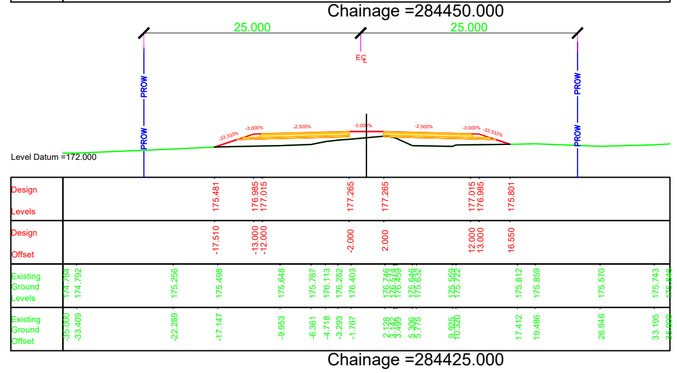


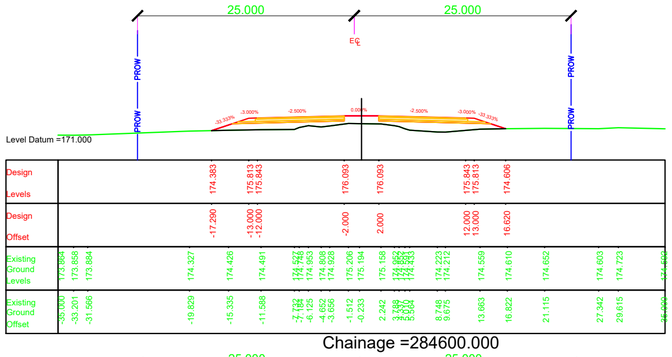

Chainage =284425.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | | | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 155 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 284+225 to Km 284+500 | Sheet No. |



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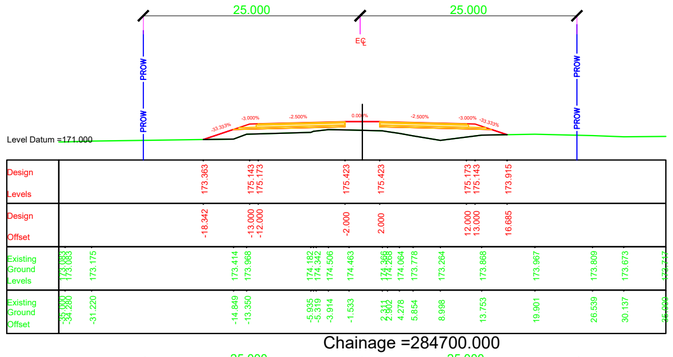

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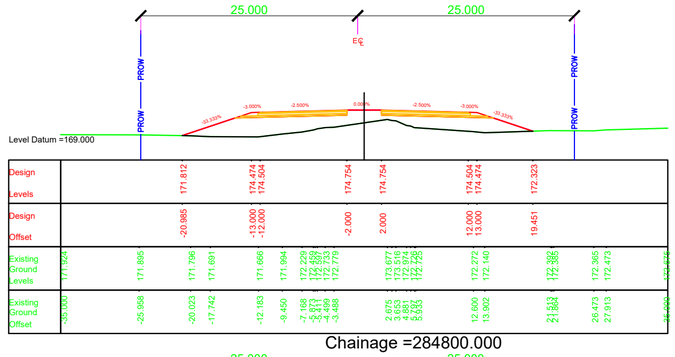

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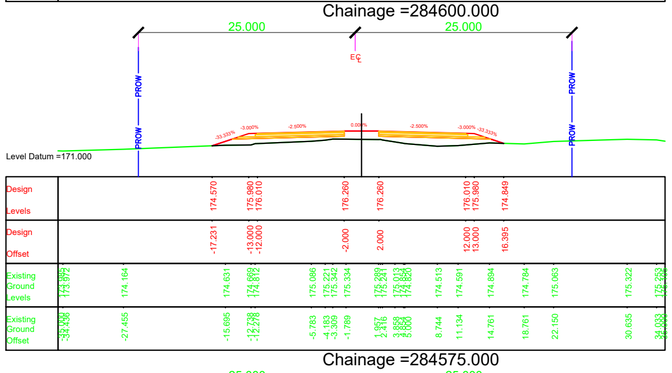

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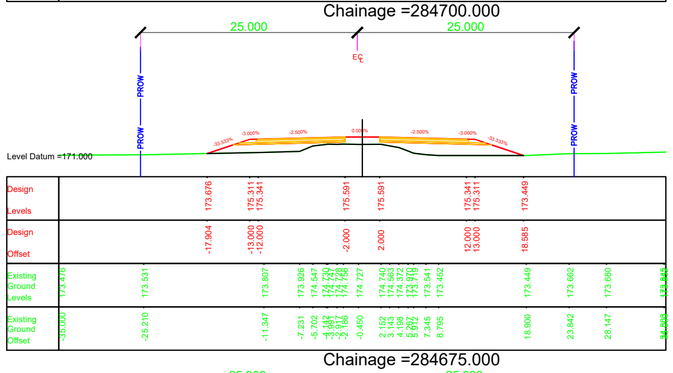

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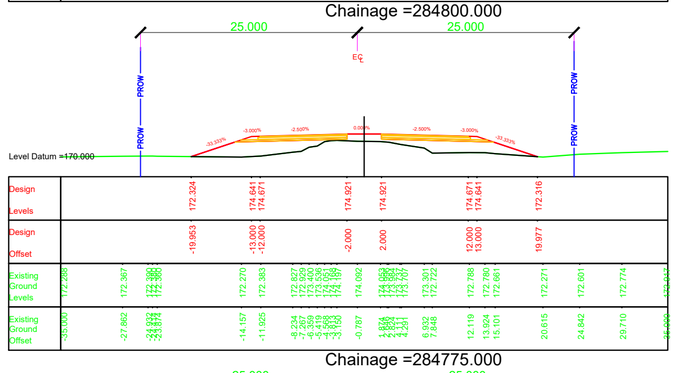

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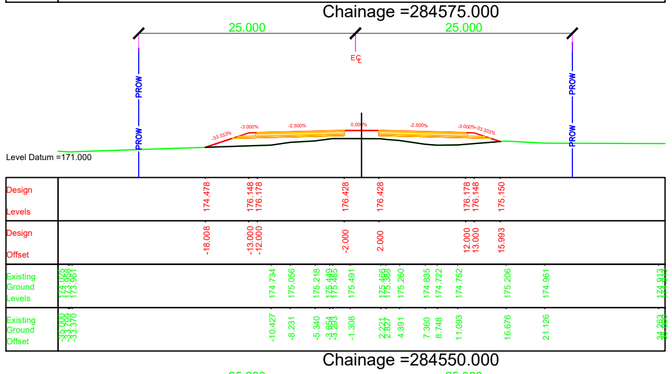

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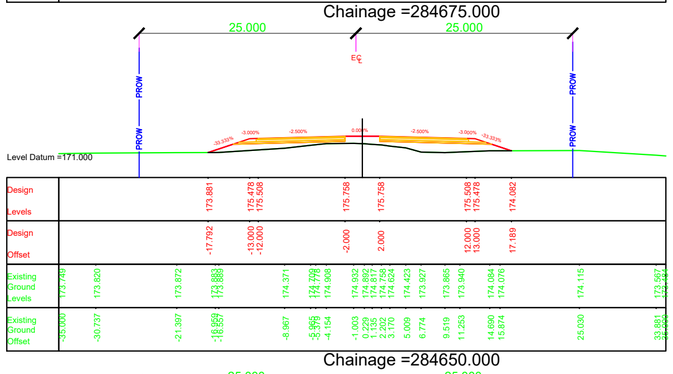

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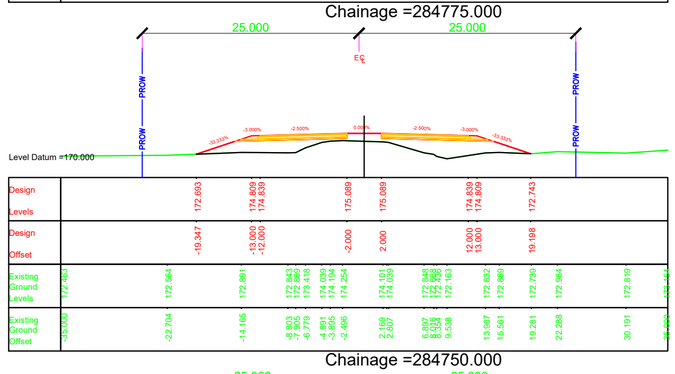

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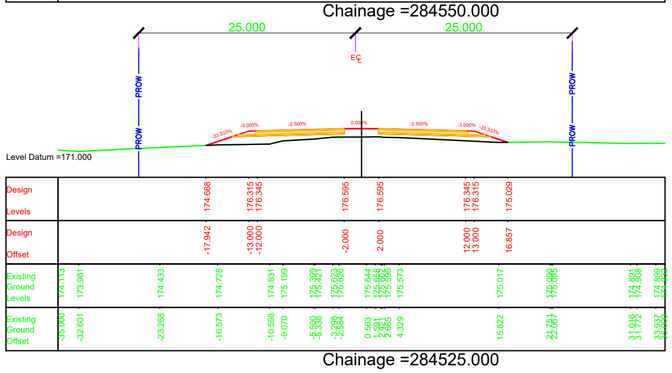

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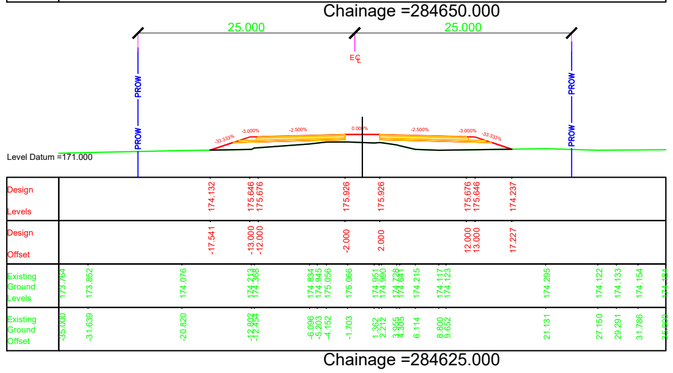

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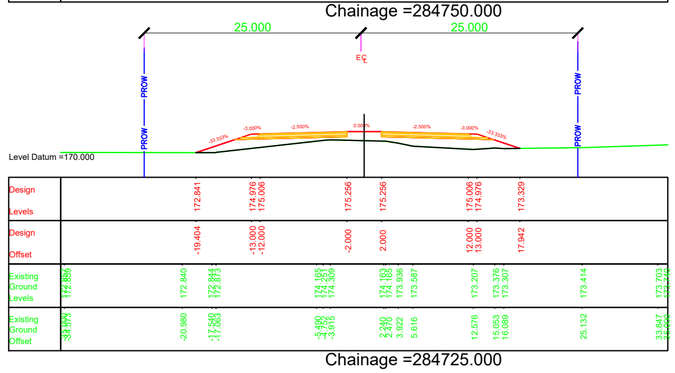


Chainage =284725.000

NOTES:

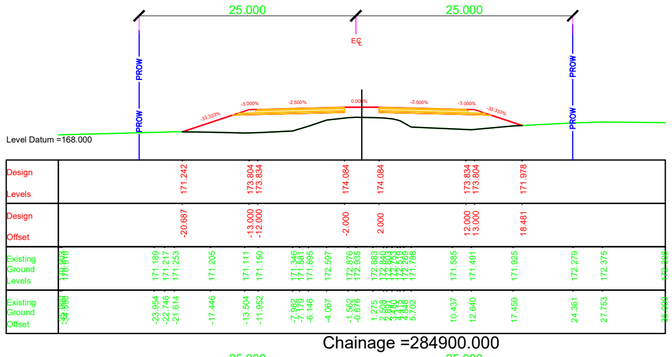
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 284+525 to Km 284+800 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 156

Sheet No.

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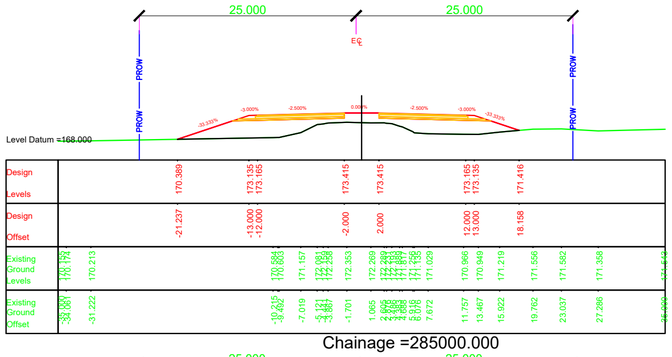


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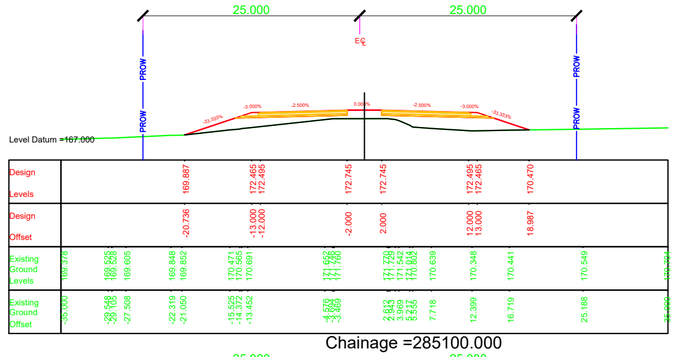


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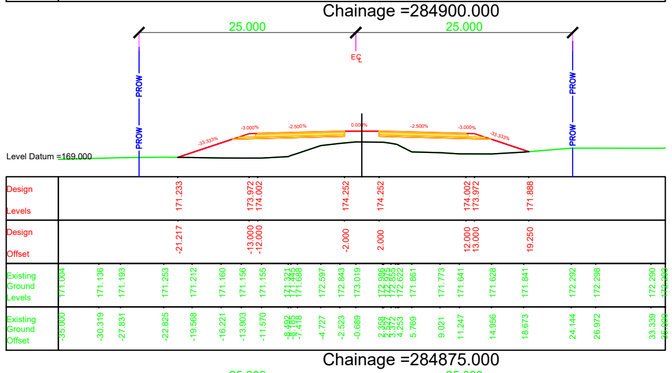


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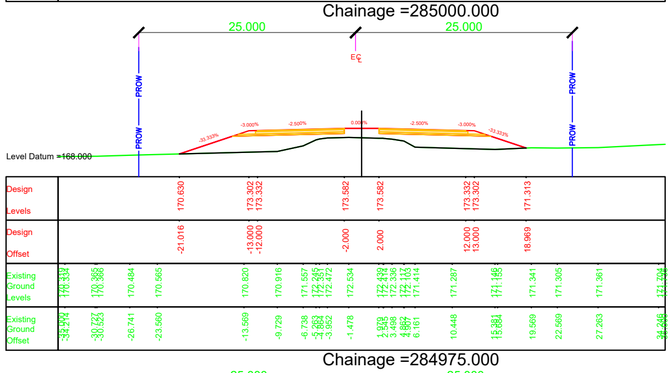


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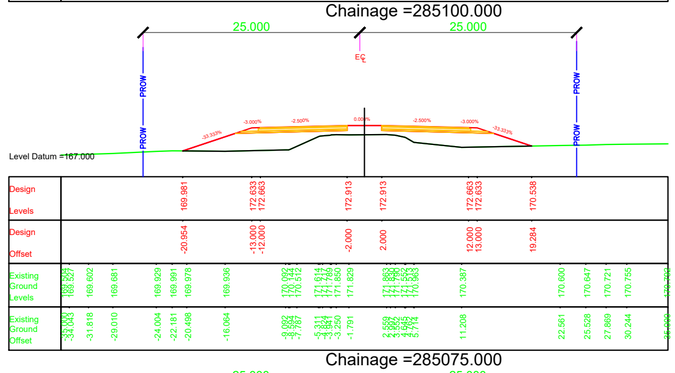


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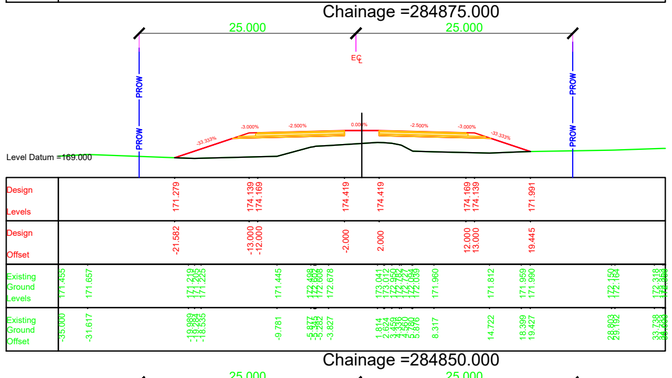


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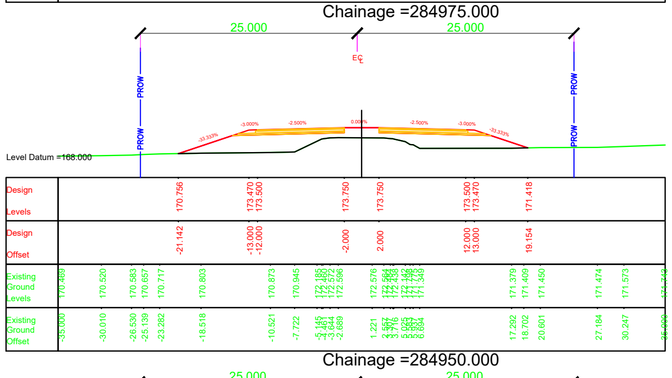


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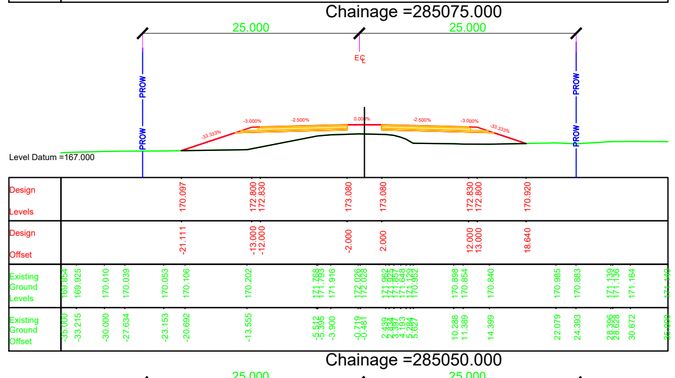


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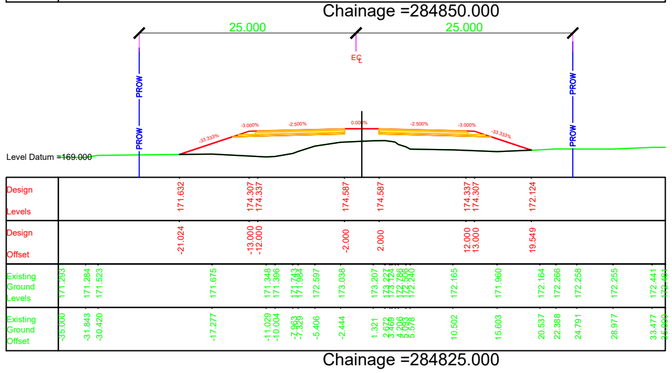


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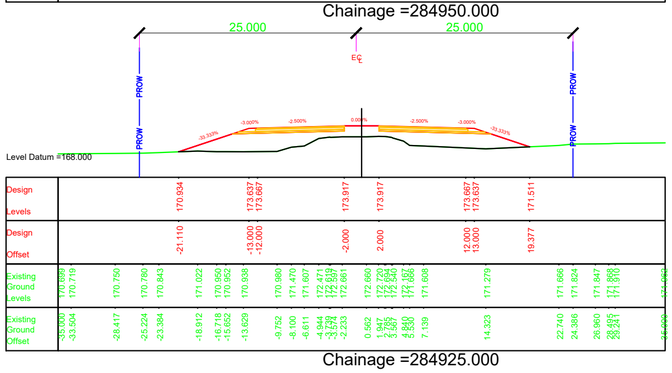


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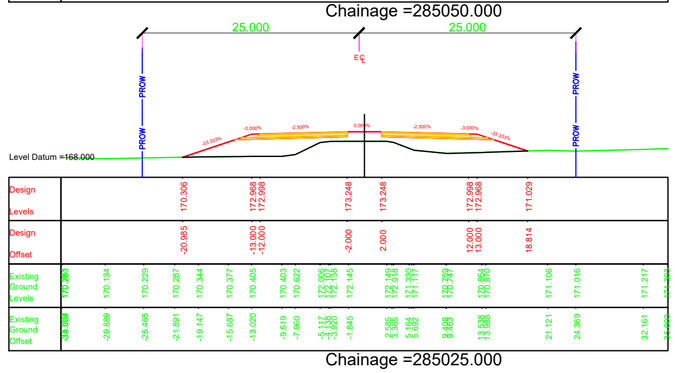



Chainage =285025.000

NOTES:

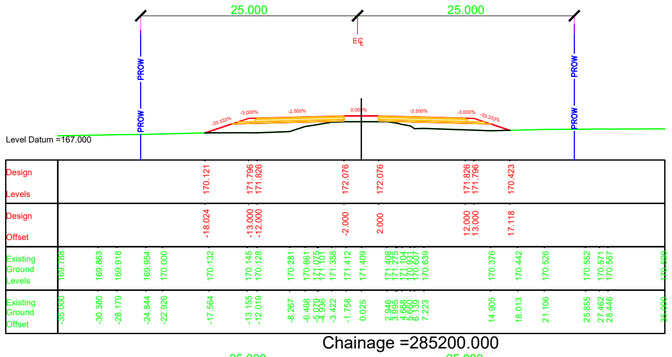
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | | Designed By | Mr. Pushkar Poudel Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500 |
| | | | Checked By | Mr. T.V.Rajeev Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 284+825 to Km 285+100 |
| | | | Approved By | Mr. Harikrishna Bhavsar Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 157

Sheet No.

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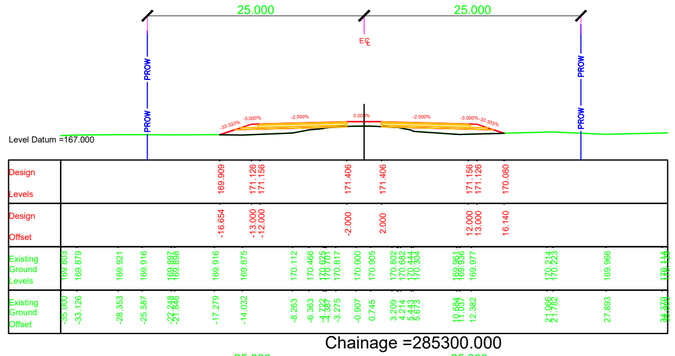


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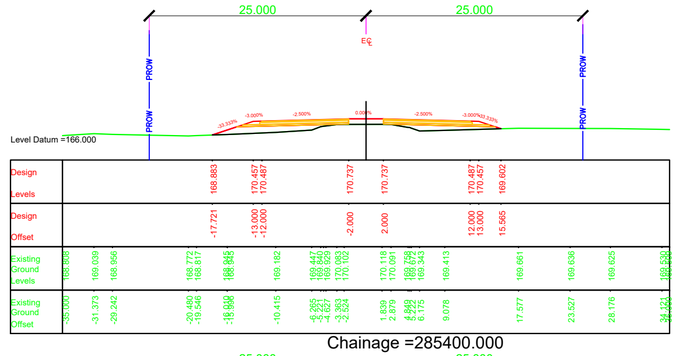


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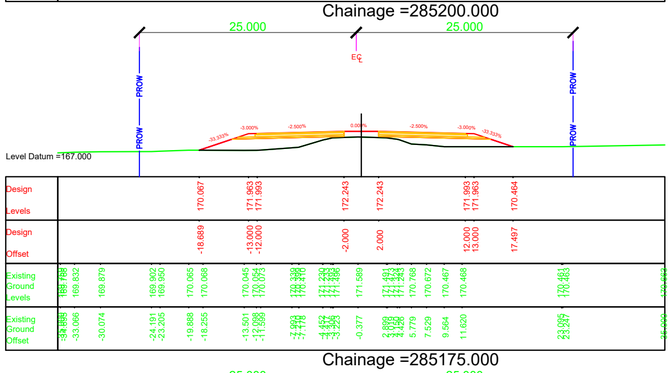


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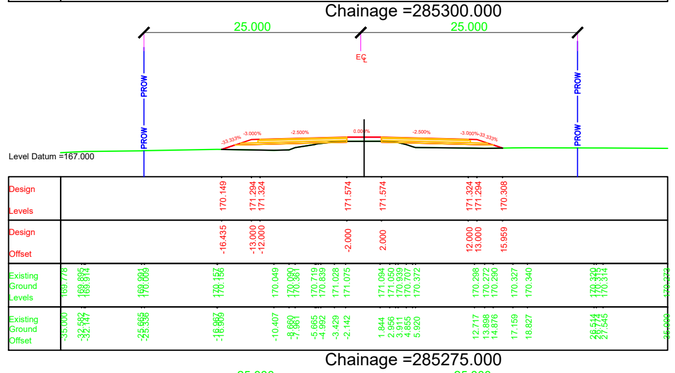


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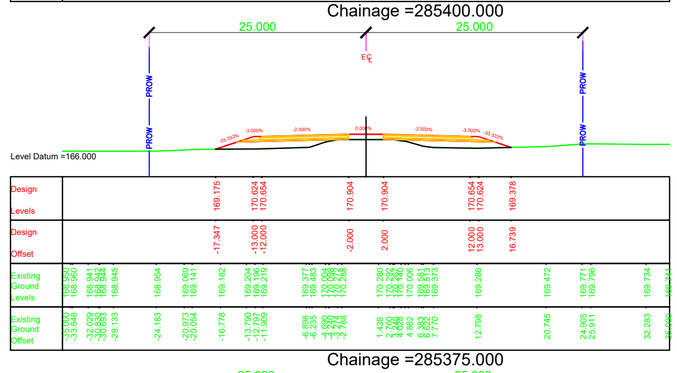


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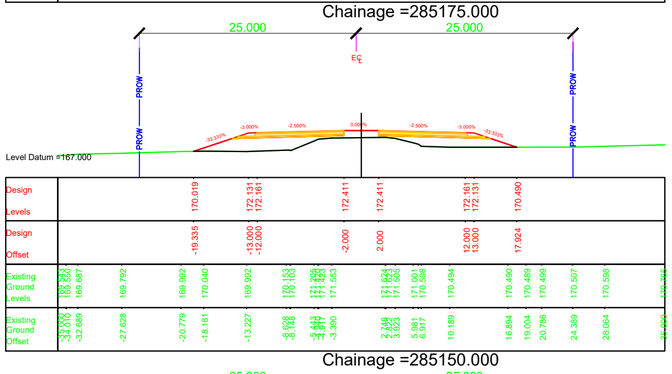


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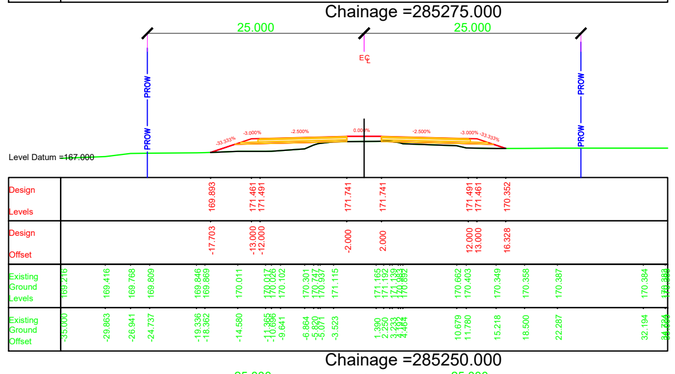


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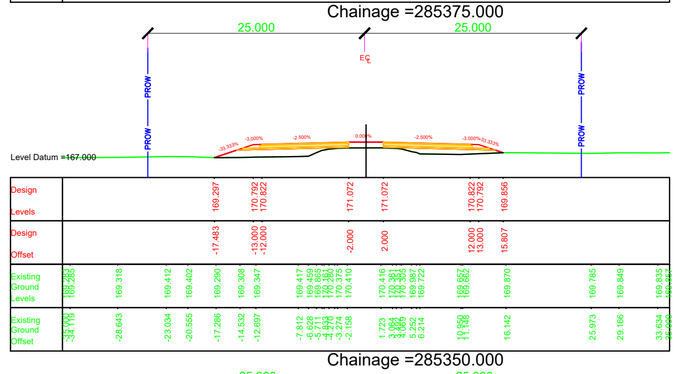


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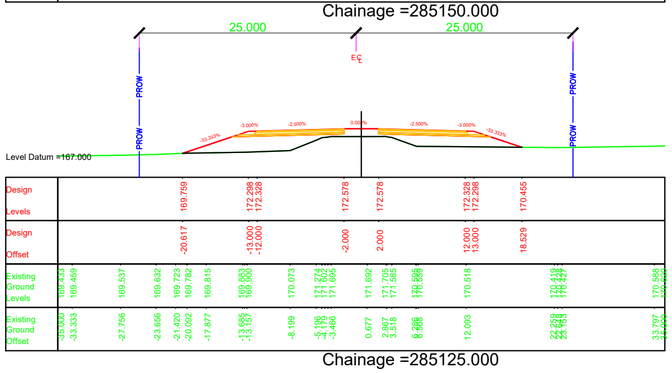


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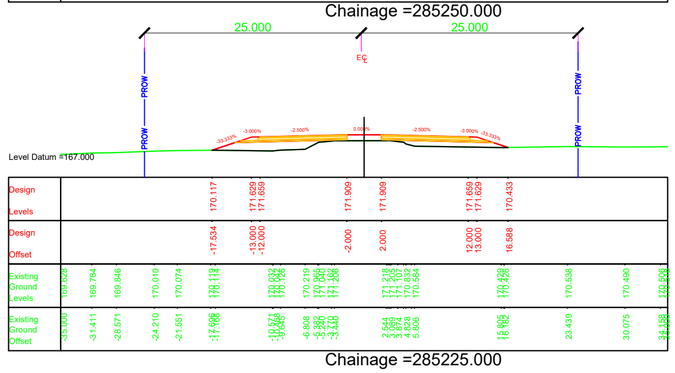


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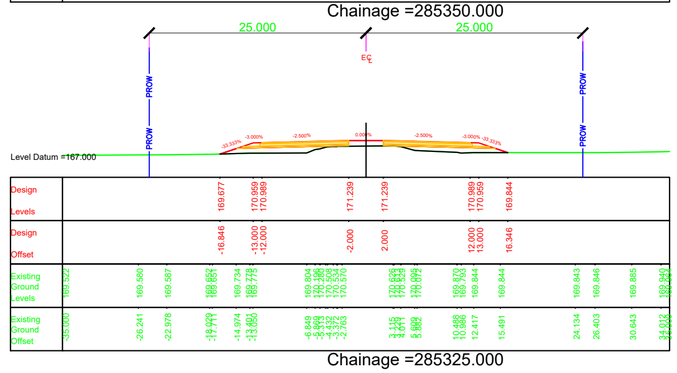
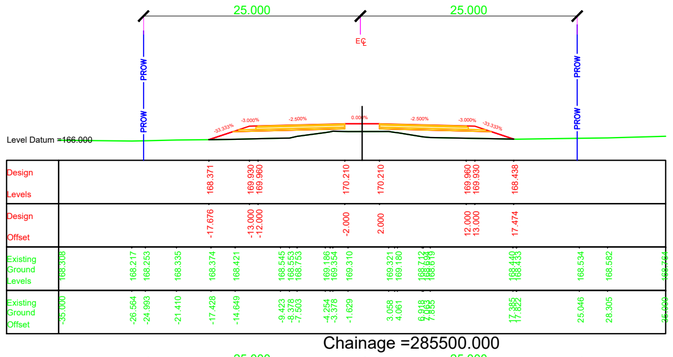


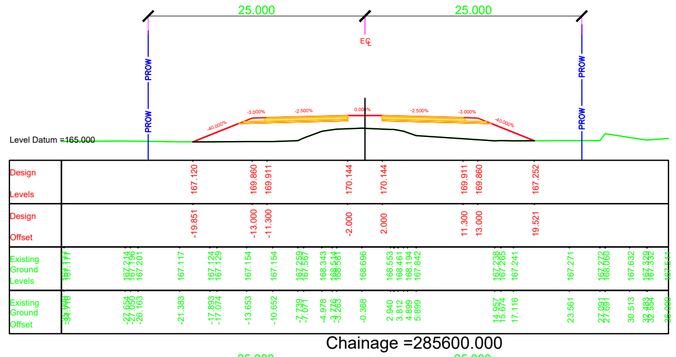

Chainage =285325.000

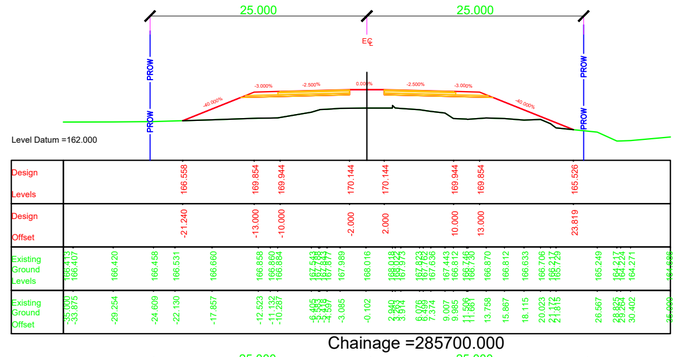
NOTES:

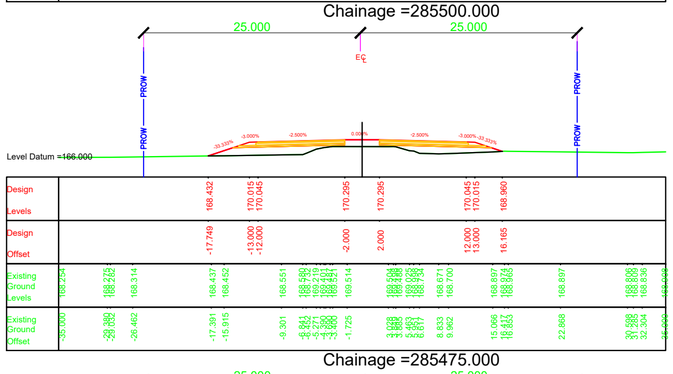
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

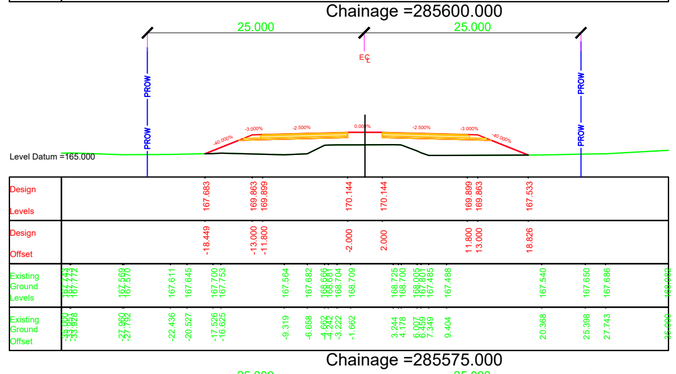
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 285+125 to Km 285+400<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 158 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

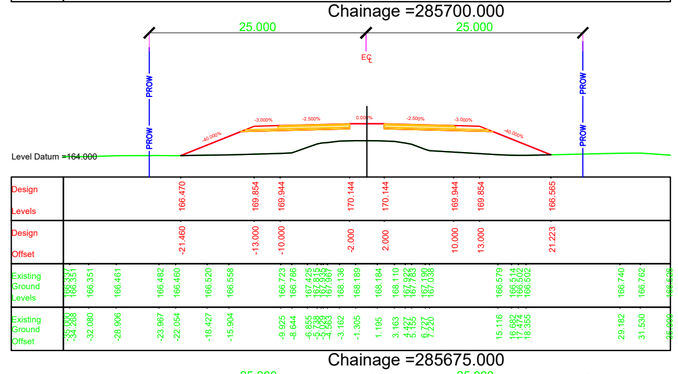


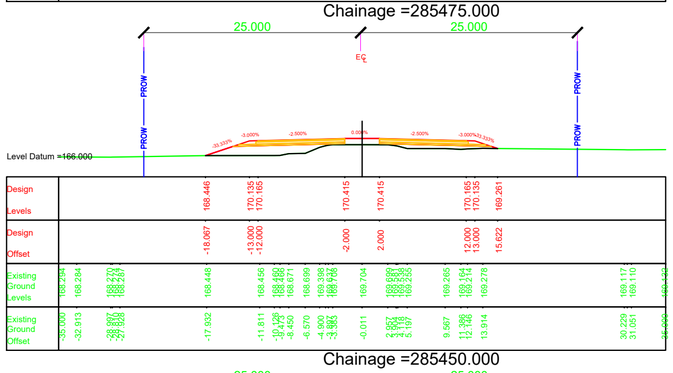



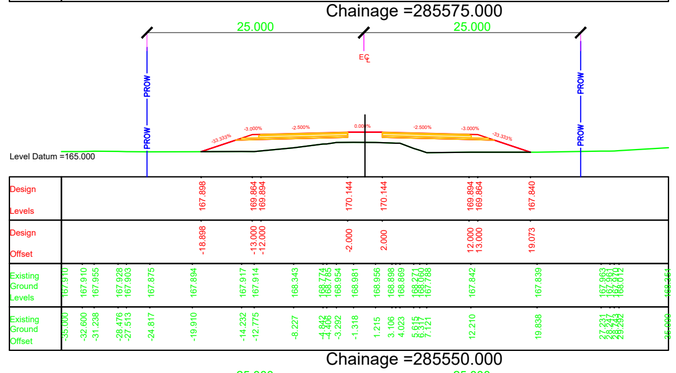



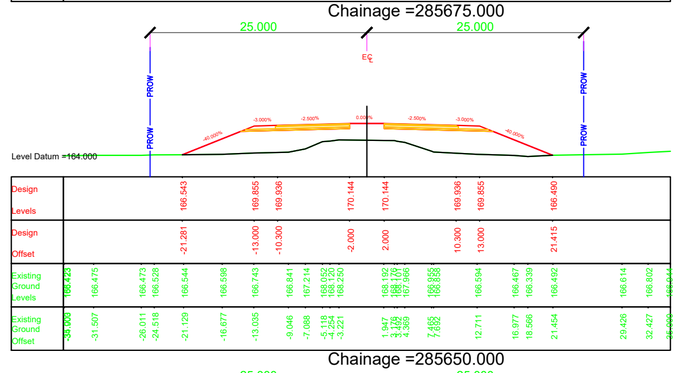



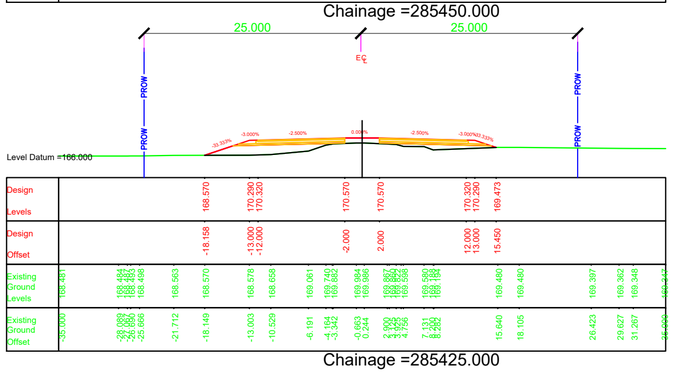



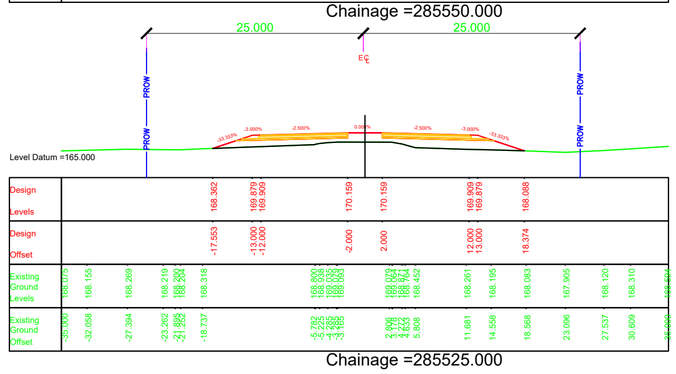



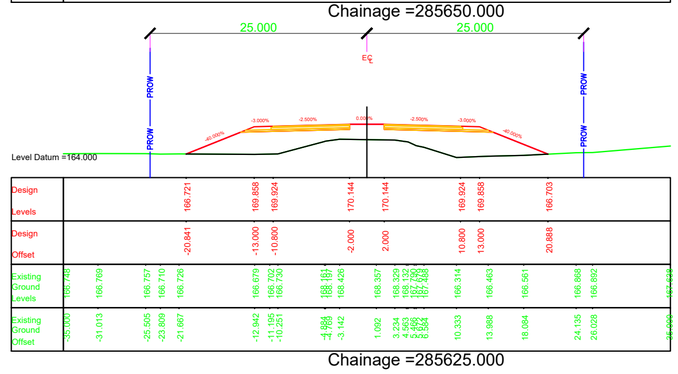




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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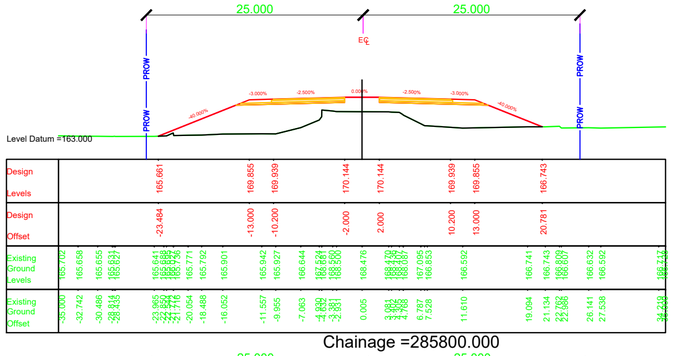
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |

| | | | | | |
|---|---|---|---|---|---|
| Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 285+425 to Km 285+700 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 159 |
| Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |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25.000
PROW
PROW
PROW
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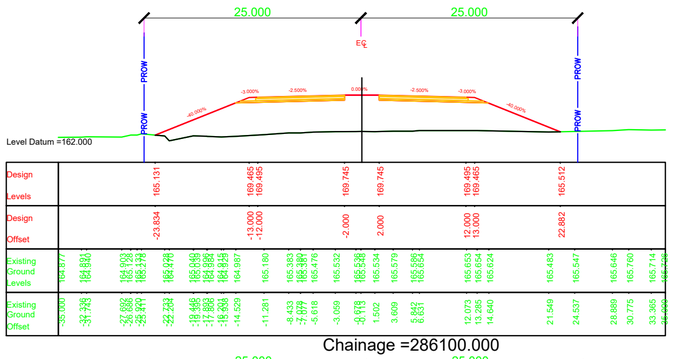
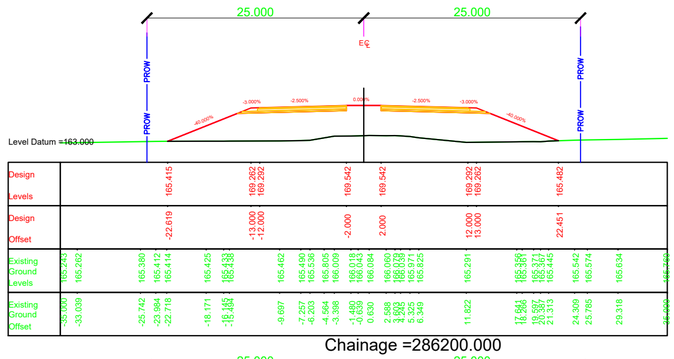
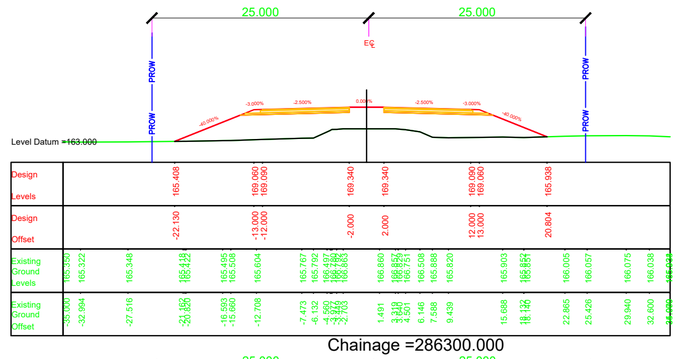
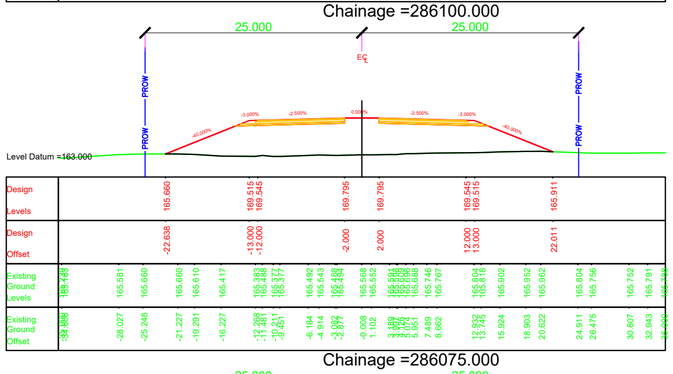
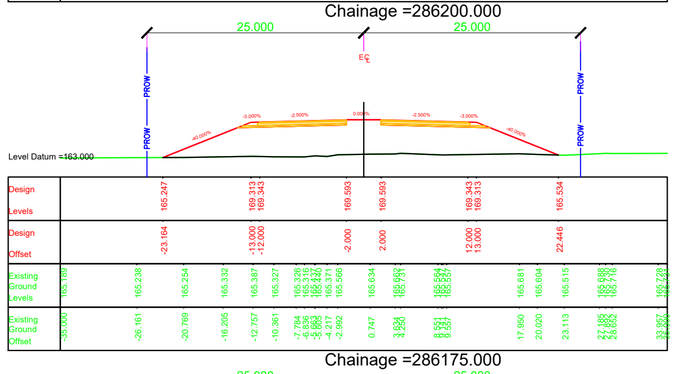
| | | |

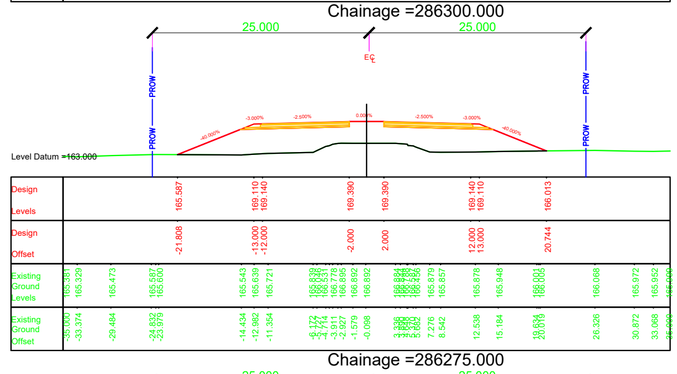


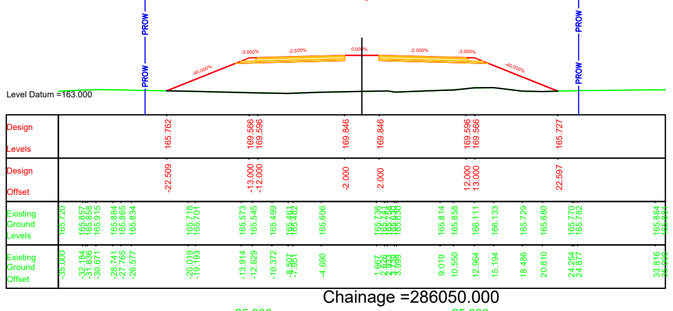



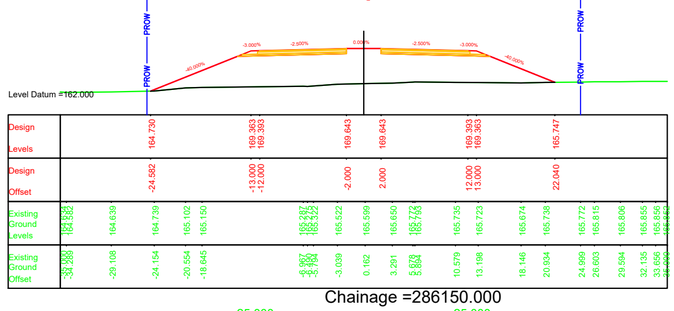



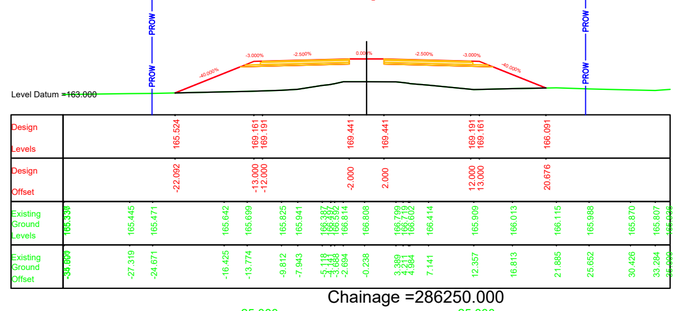



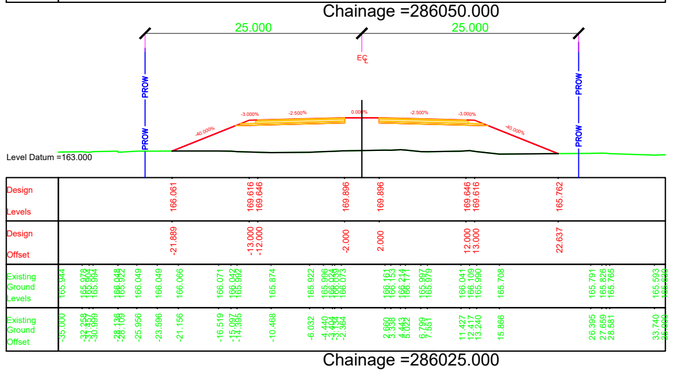



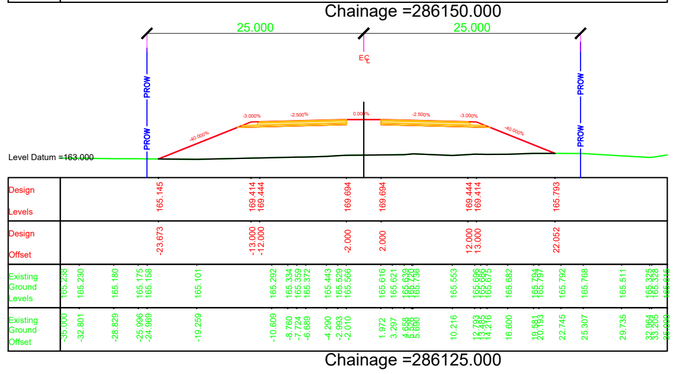



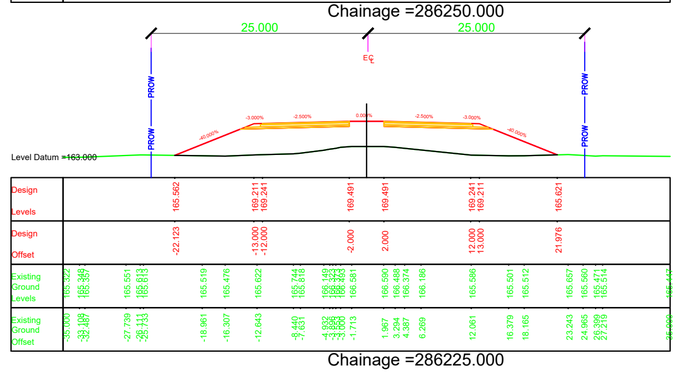




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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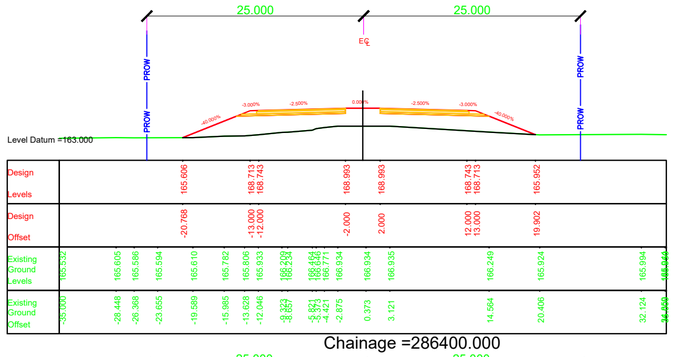
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION | Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage: Km 286+025 to Km 286+300<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 161 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | Sheet No. |

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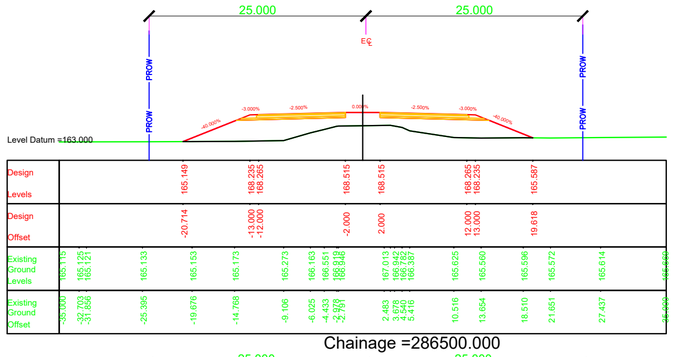


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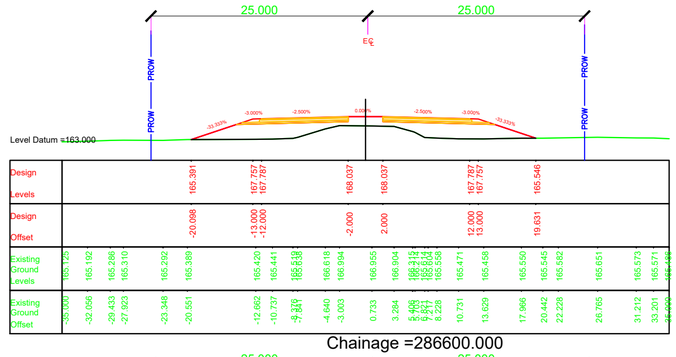


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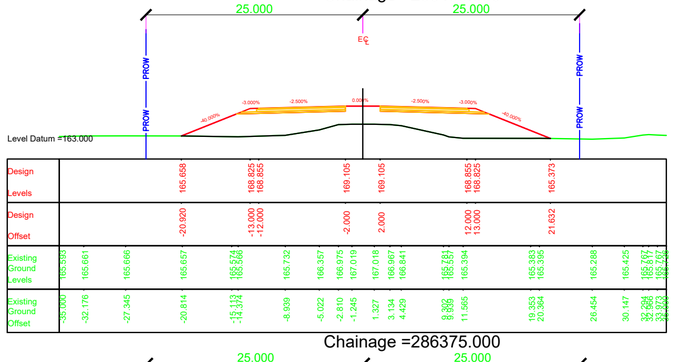


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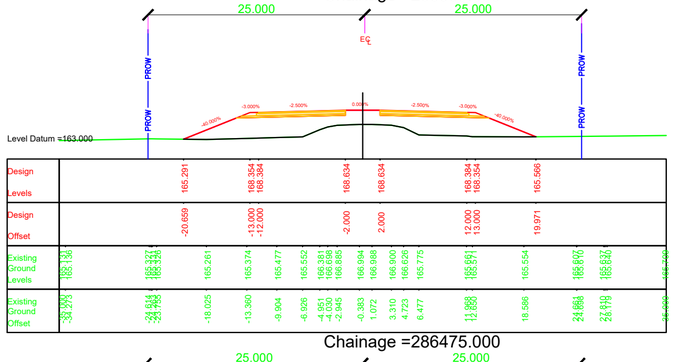


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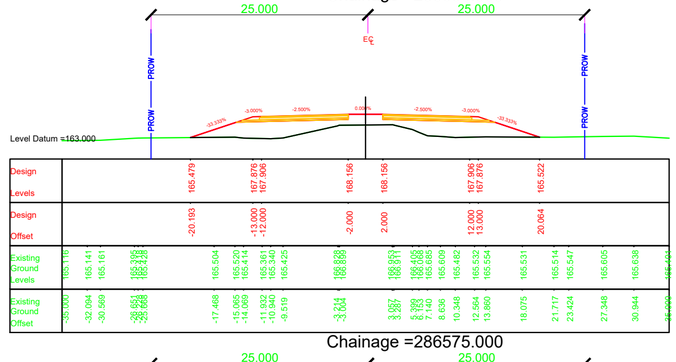


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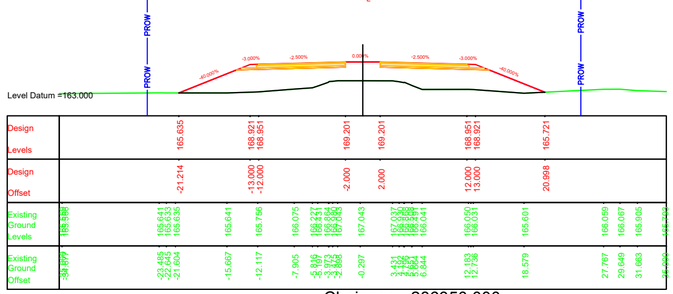


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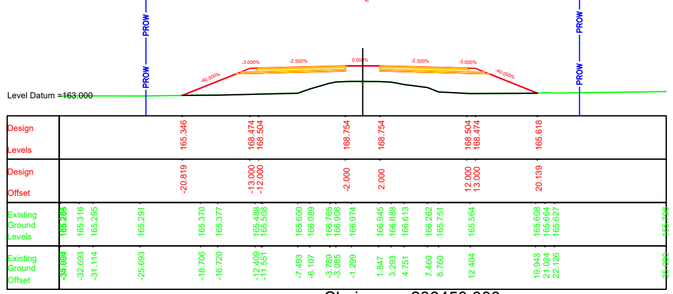


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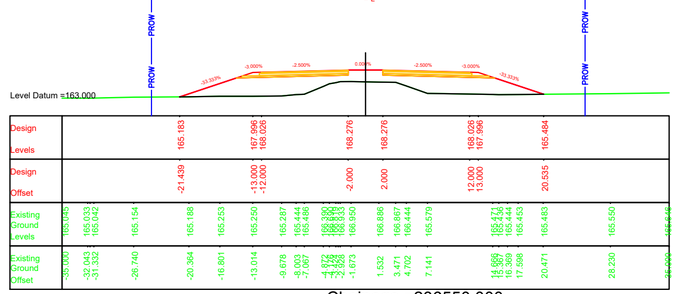


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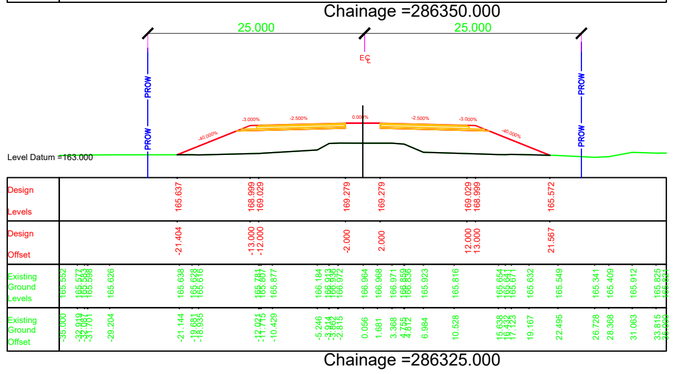


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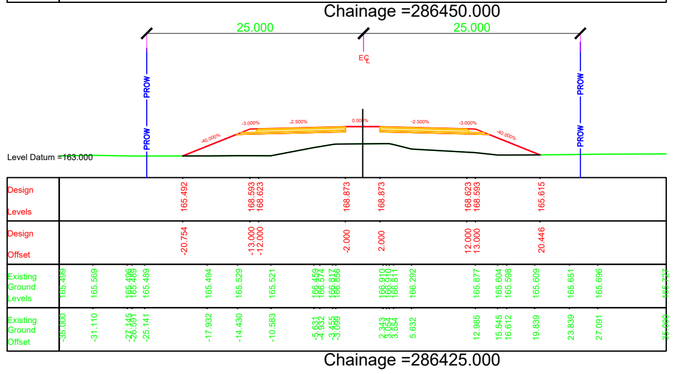


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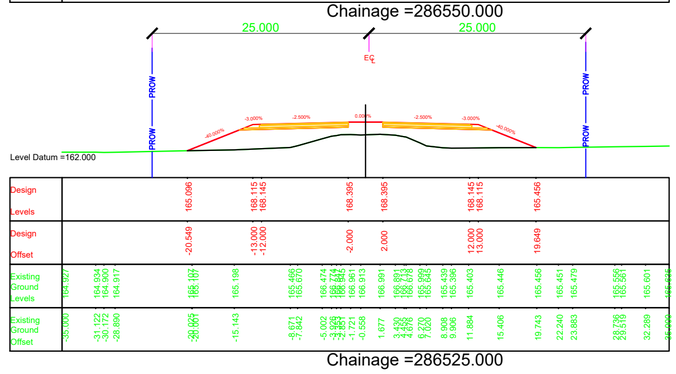


Chainage =286525.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
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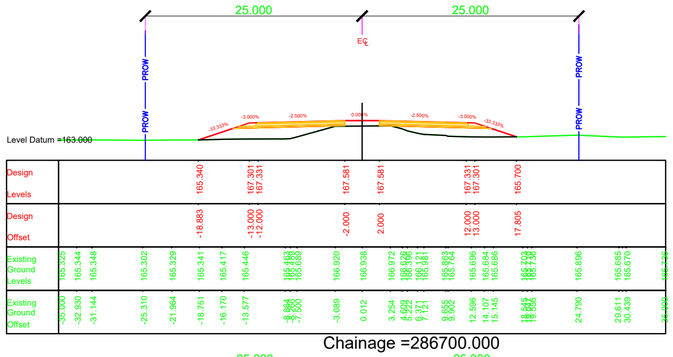
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 286+325 to Km 266+600 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 161<br>Sheet No. |

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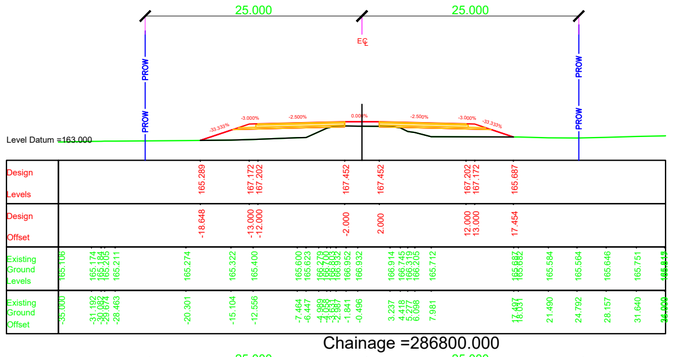


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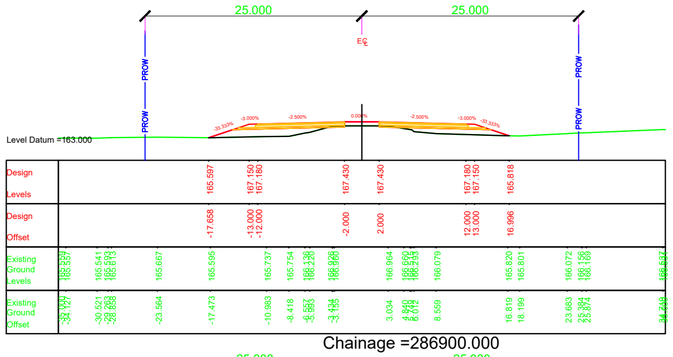


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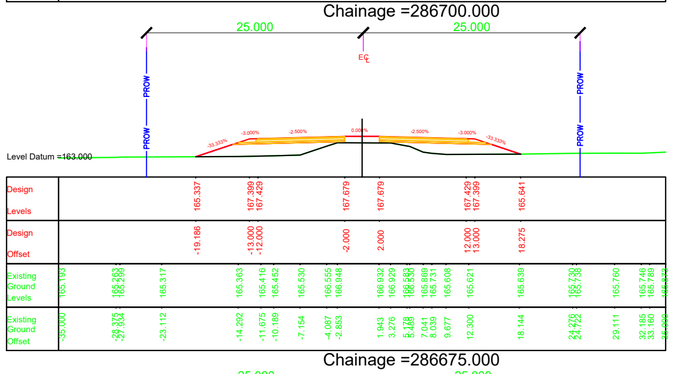


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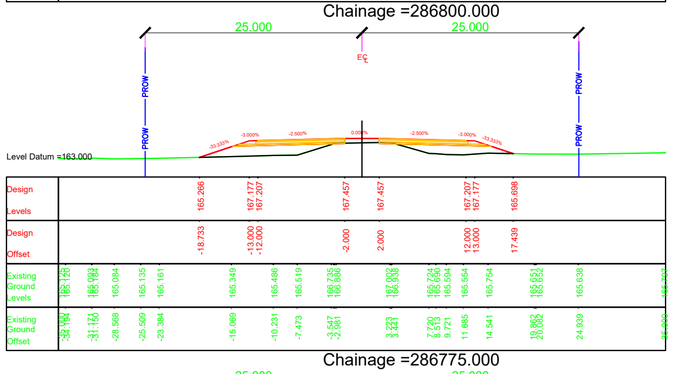


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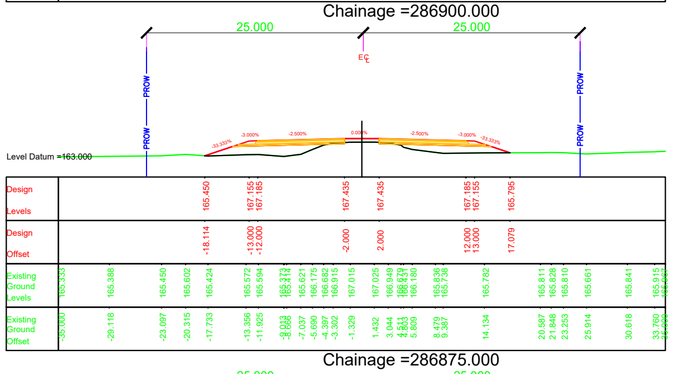


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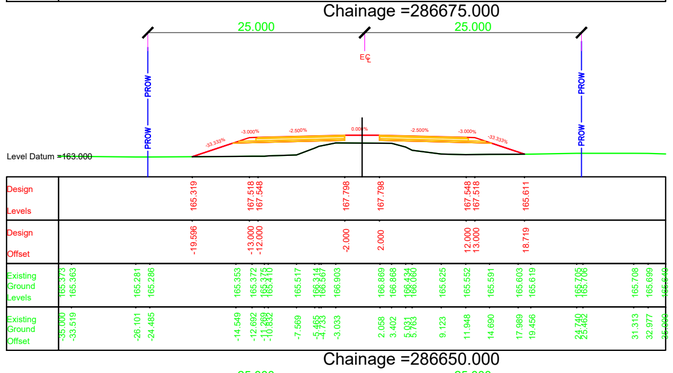


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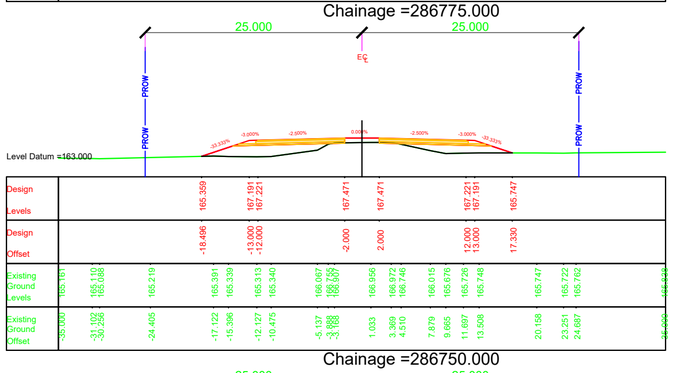


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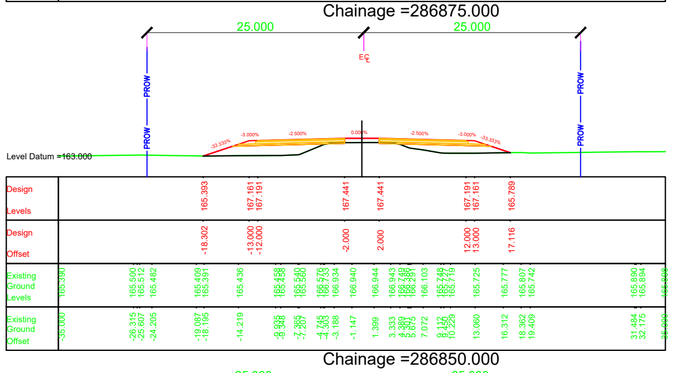


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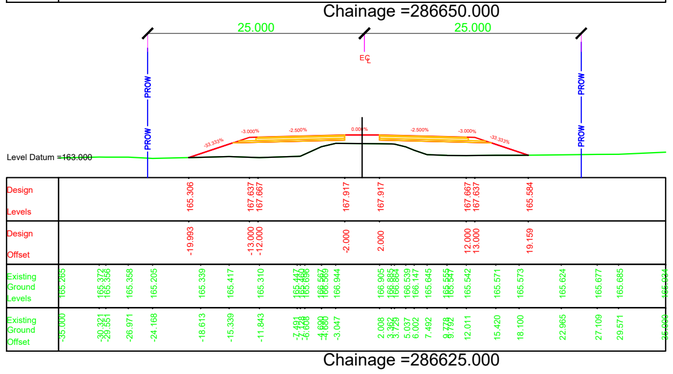


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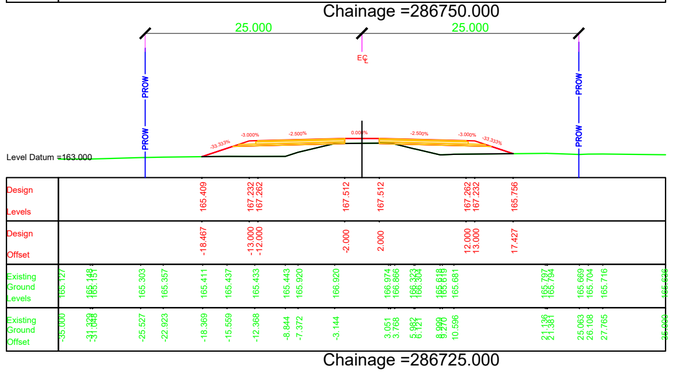


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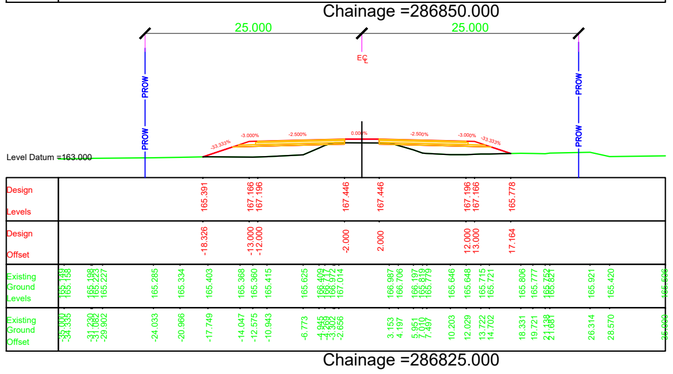
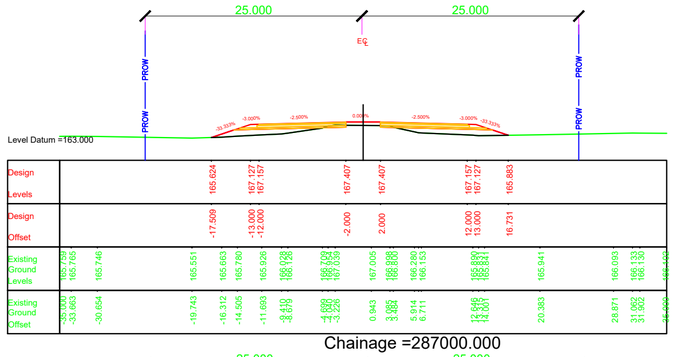



Chainage =286825.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 286+625 to Km 286+900 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 163 |
| | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

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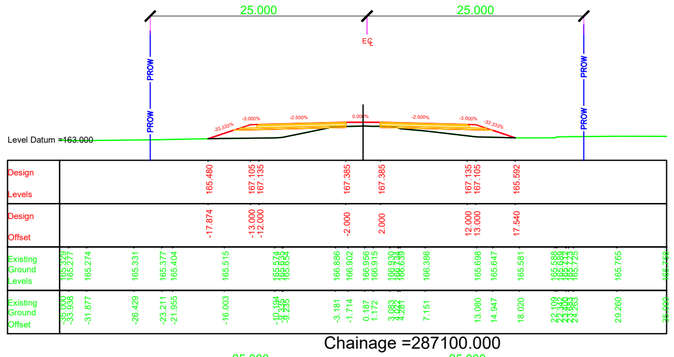


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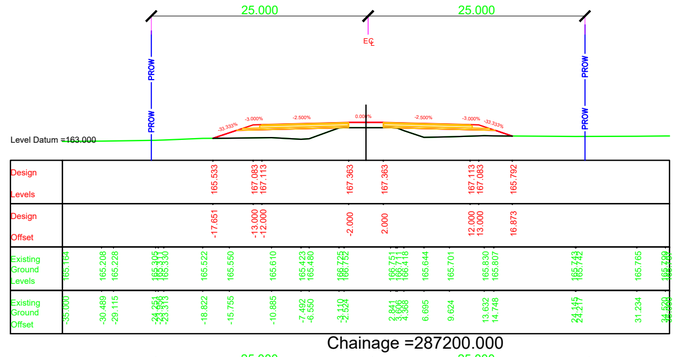


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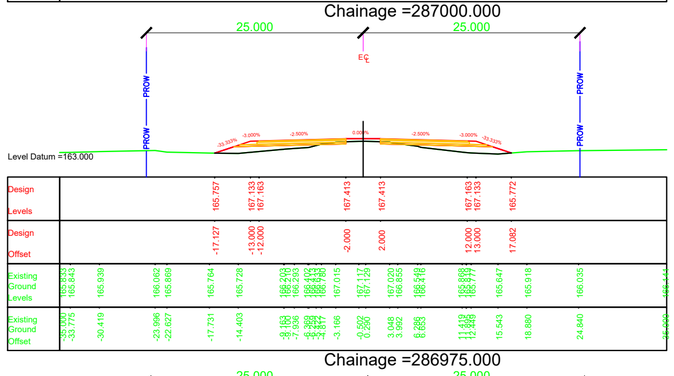


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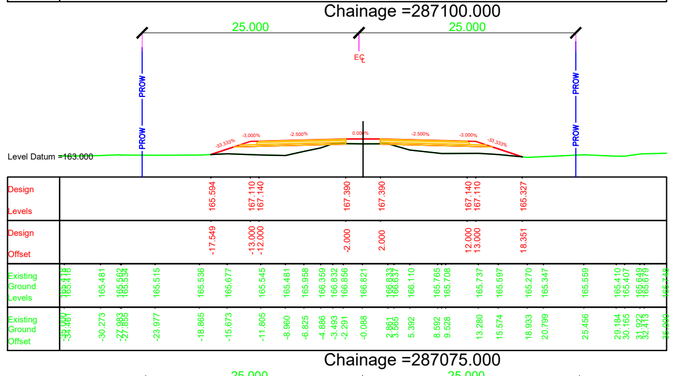


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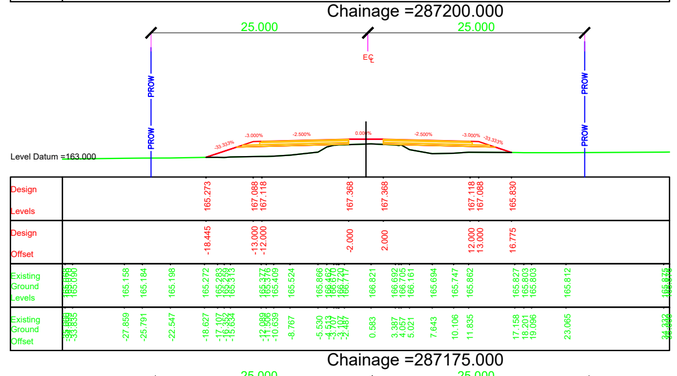


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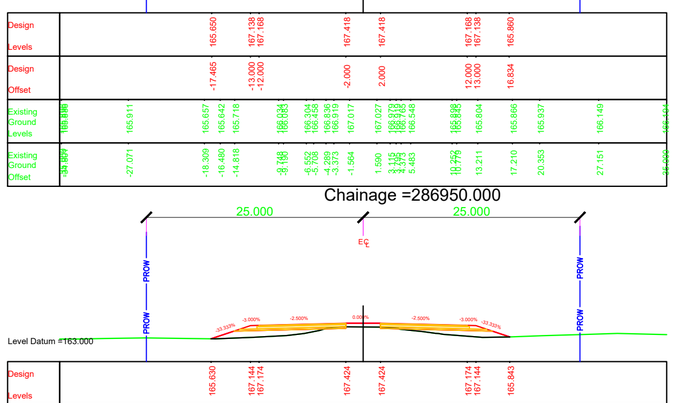


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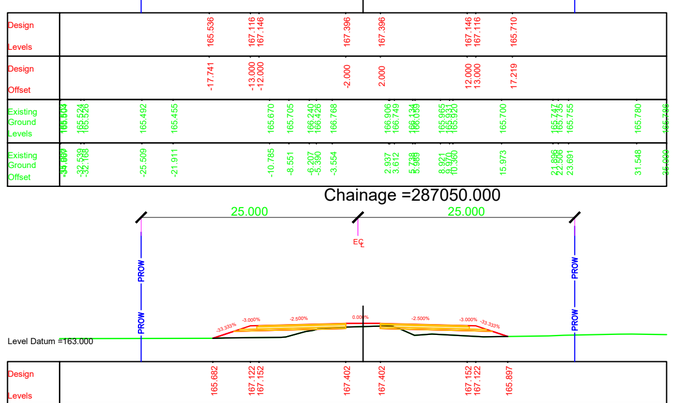


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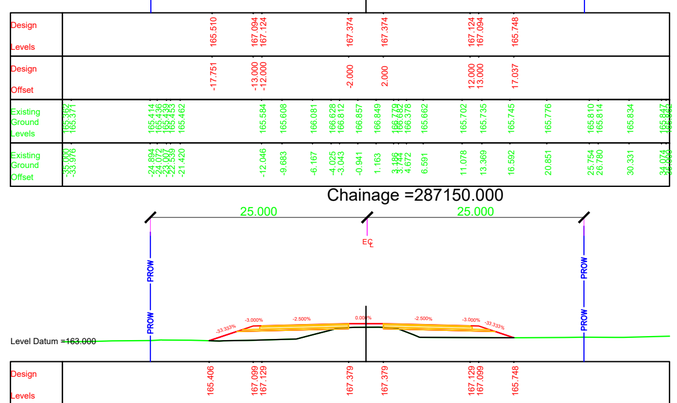


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Chainage =286925.000


25.000
25.000
EC
PROW
PROW
-33.333%
-3.000%
-2.500%
0.000%
-2.500%
-3.000%
-33.333%
Level Datum =163.000
Design Levels
Design Offset
Existing Ground Levels
Existing Ground Offset
165.682
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167.402
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167.122
165.897
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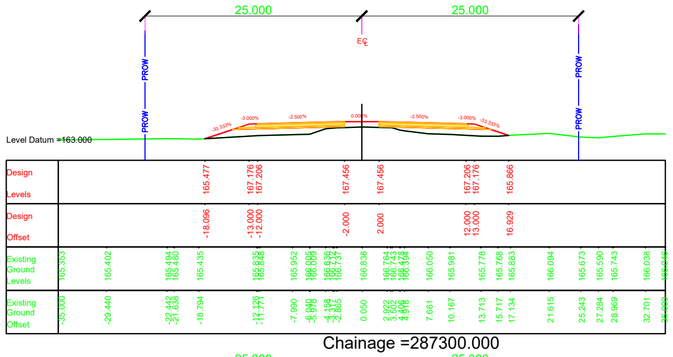


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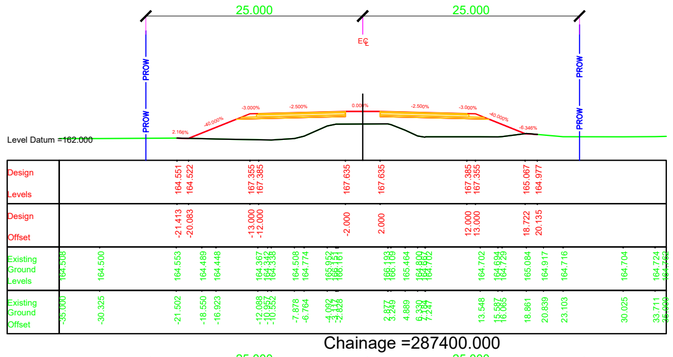


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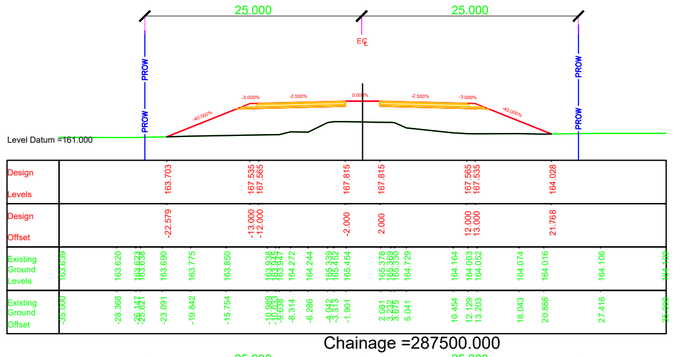


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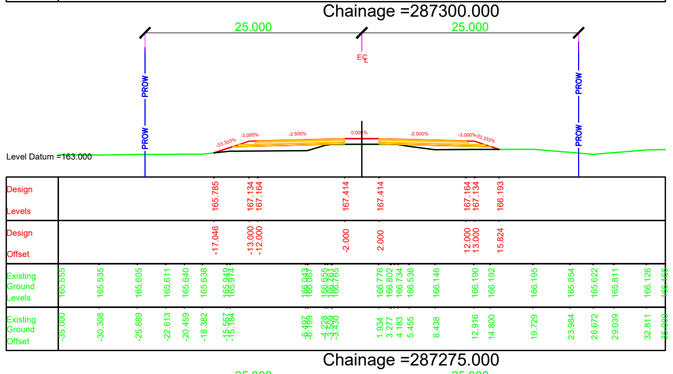


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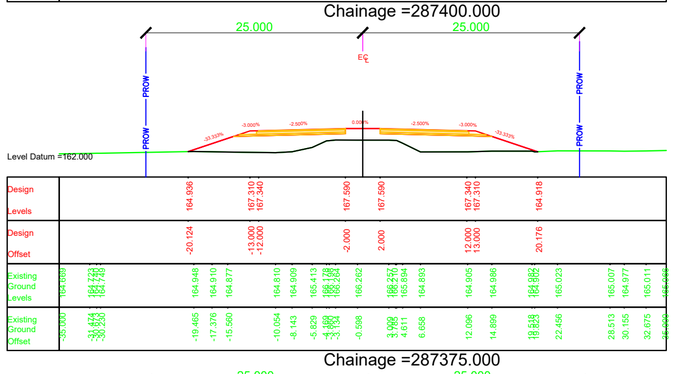


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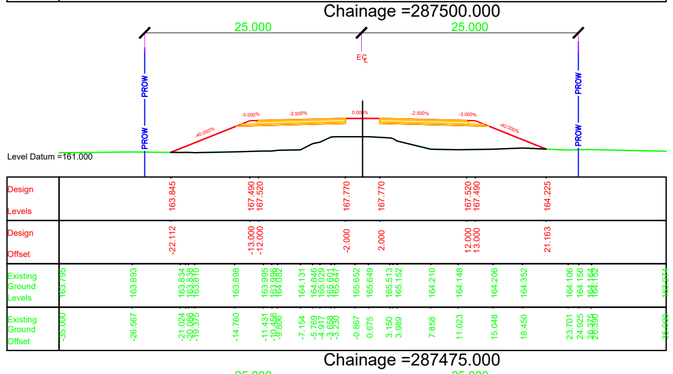


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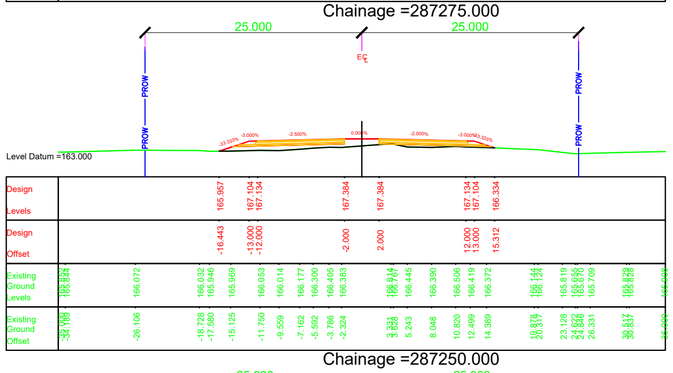


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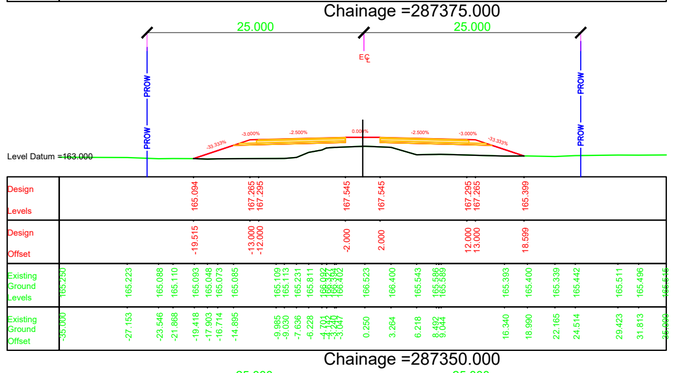


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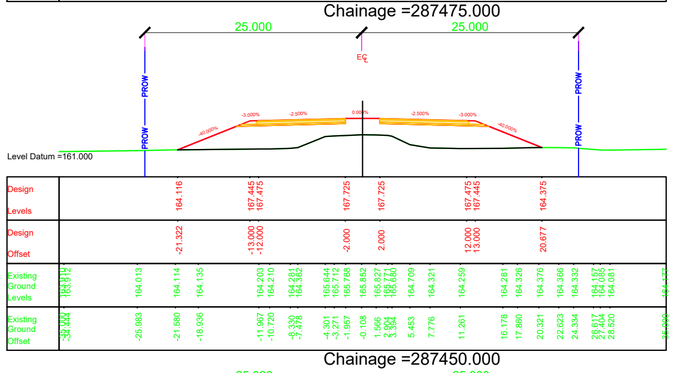


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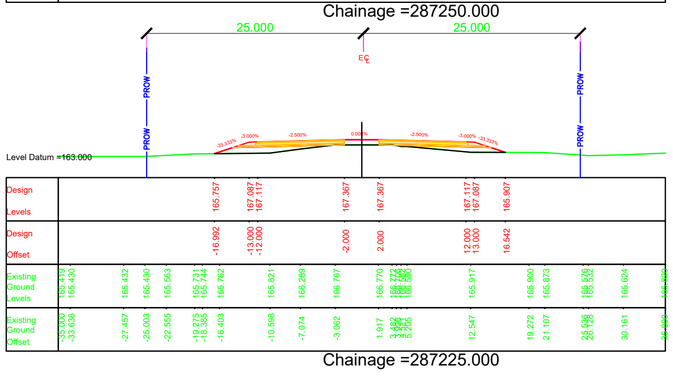


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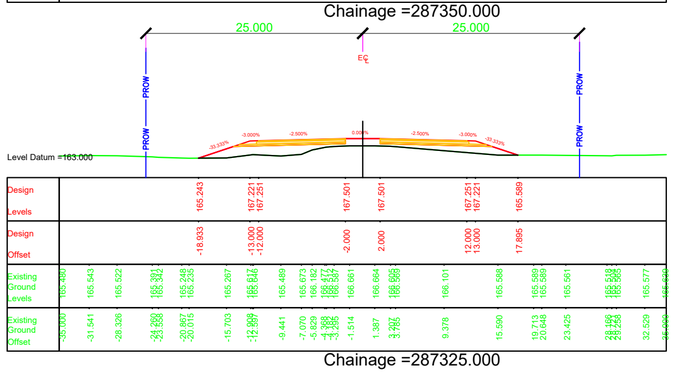


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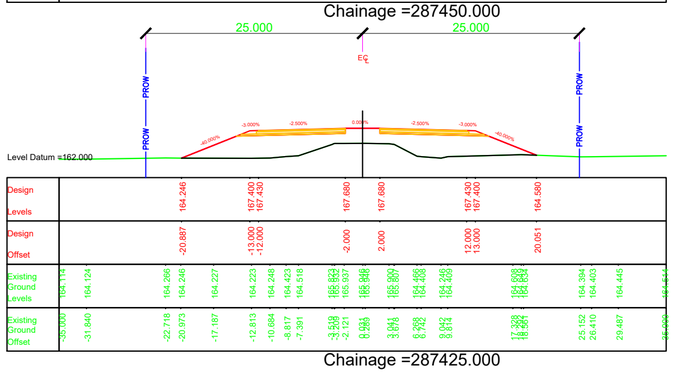



Chainage =287425.000

NOTES:

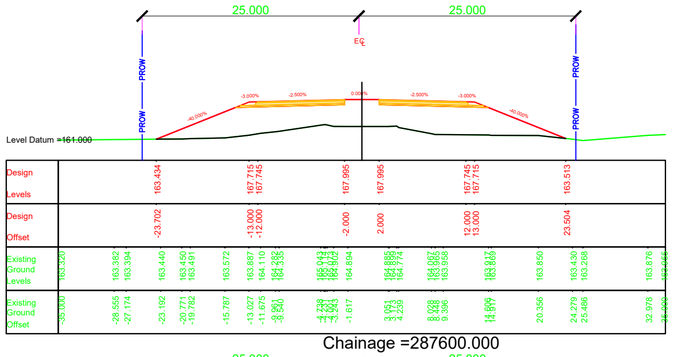
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 287+225 to Km 287+500 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

Date: JUNE 2023

Drawing No. KDP/DDR/HIGHWAY/RCS- 165

Sheet No.

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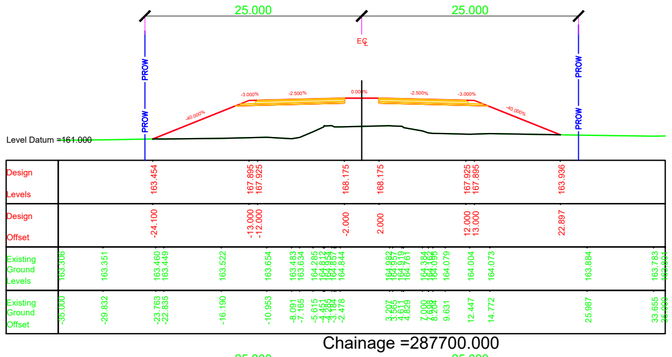


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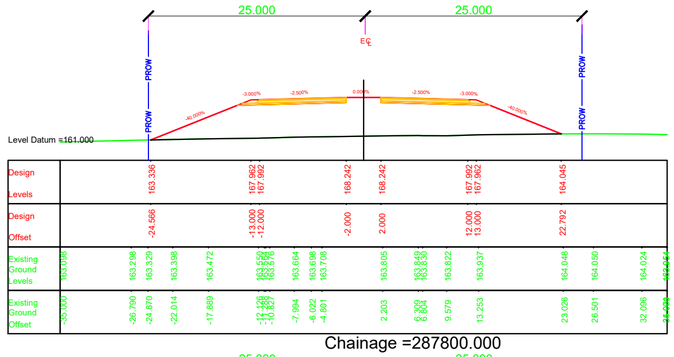


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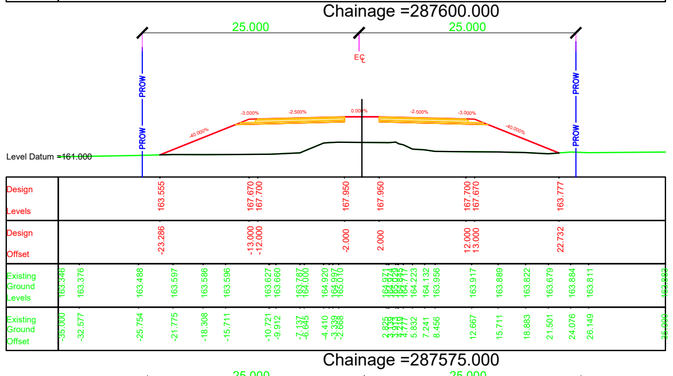


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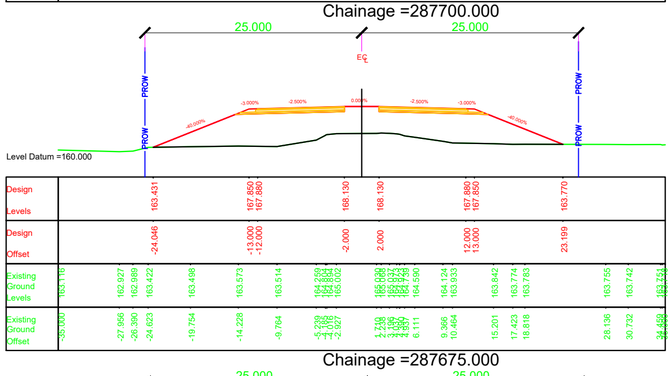


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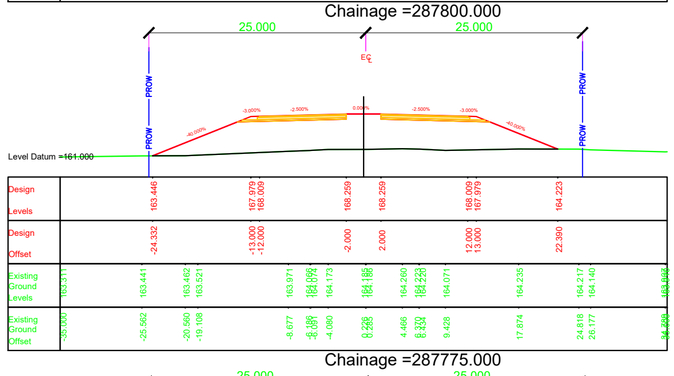


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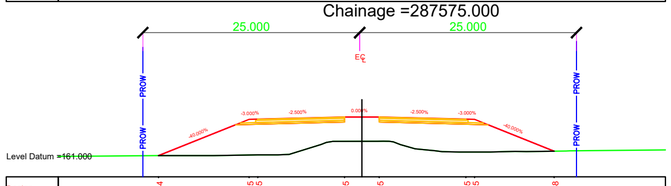


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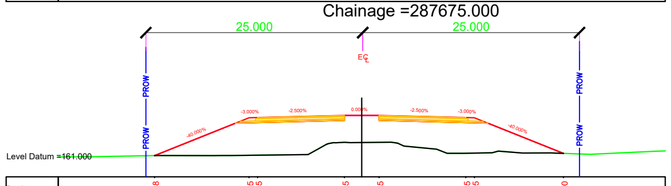


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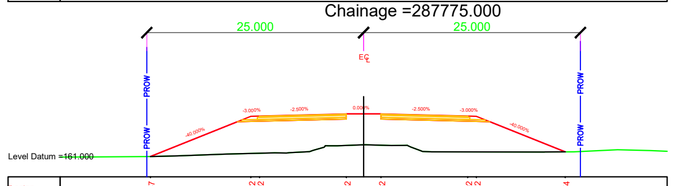


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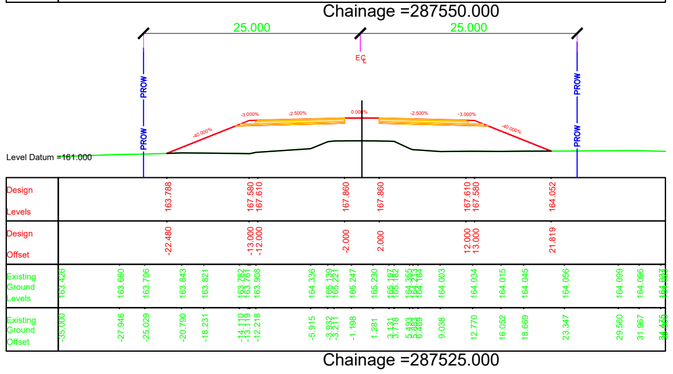


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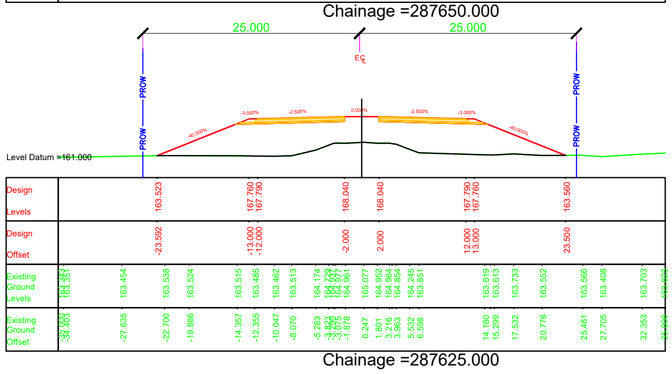


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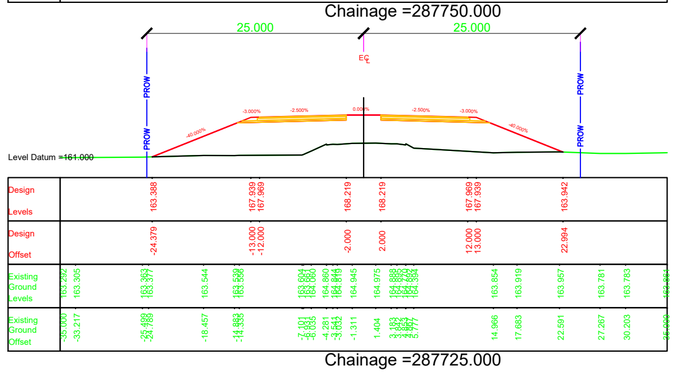


Chainage =287725.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
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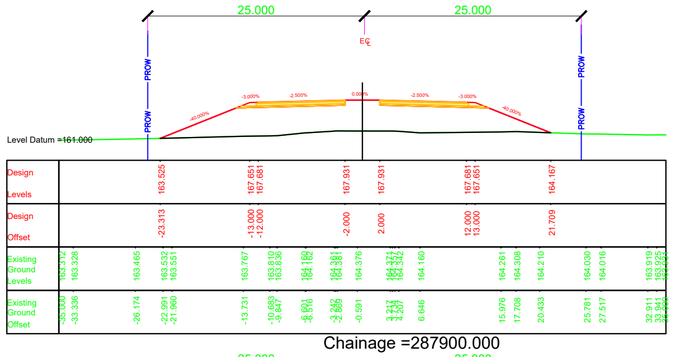
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

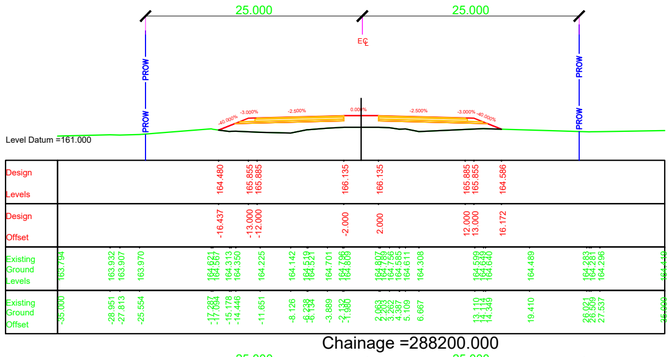
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 287+525 to Km 287+800 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 166 |
| | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | |
|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name: RUNNING CROSS SECTION<br>Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS<br>Chainage: Km 287+825 to Km 288+100<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 167 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | Sheet No. |

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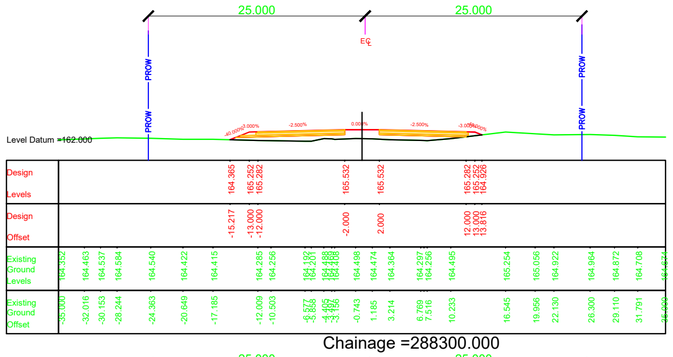


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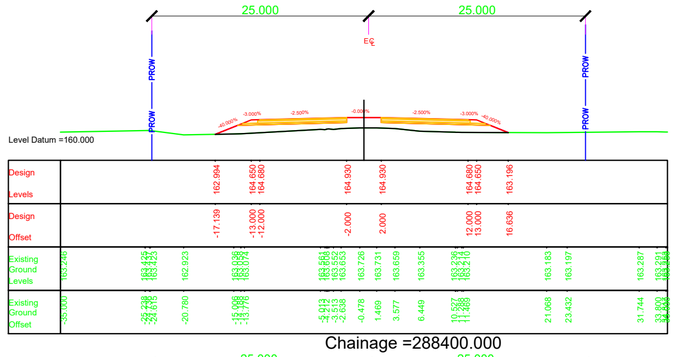


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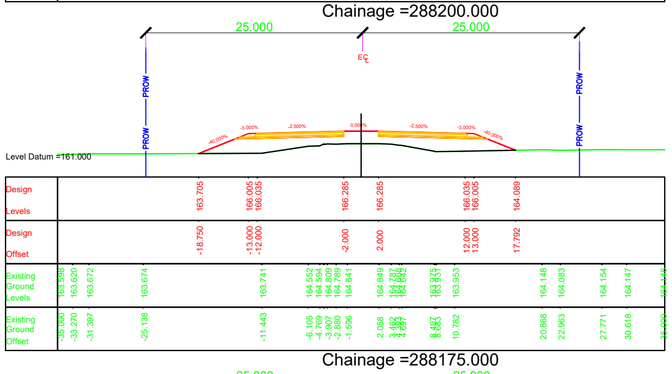


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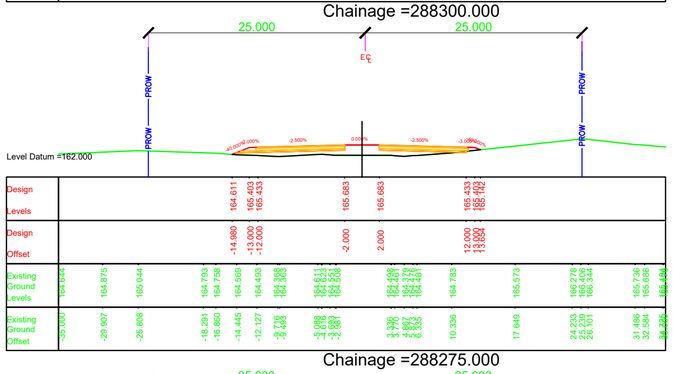


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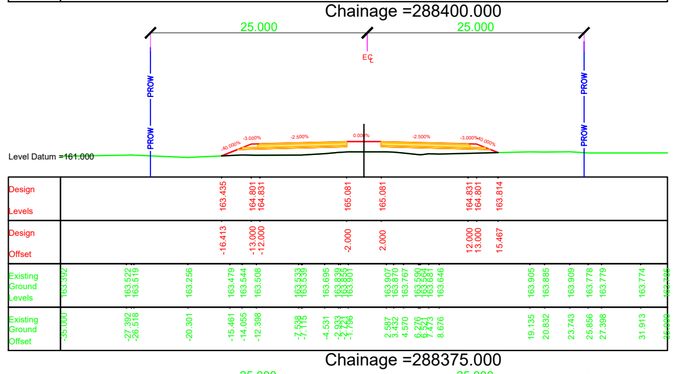


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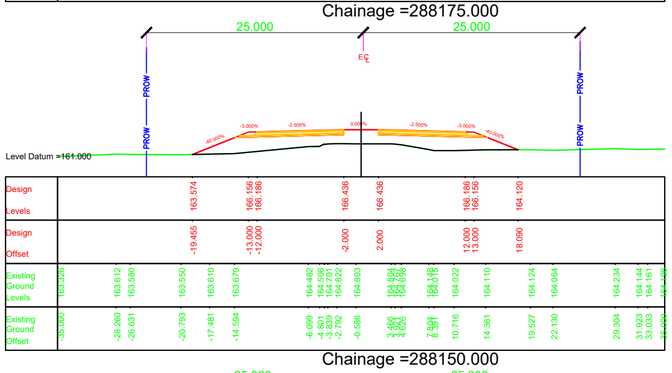


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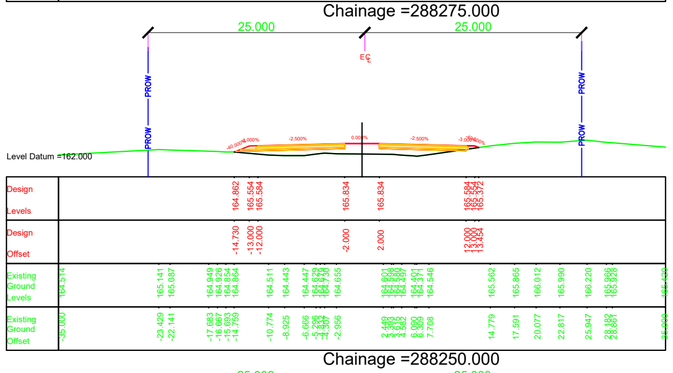


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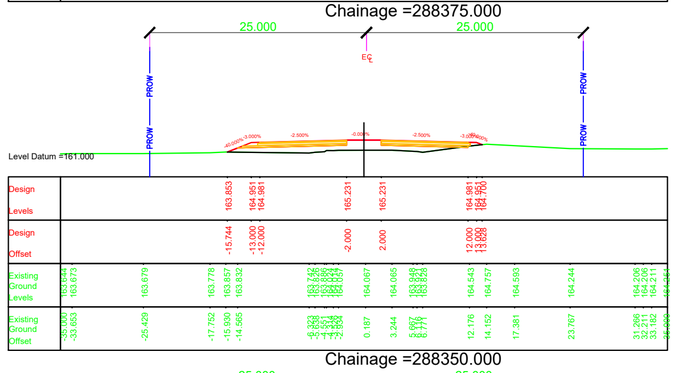


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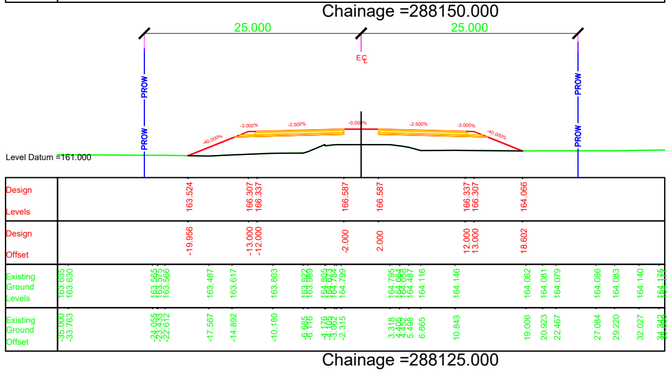


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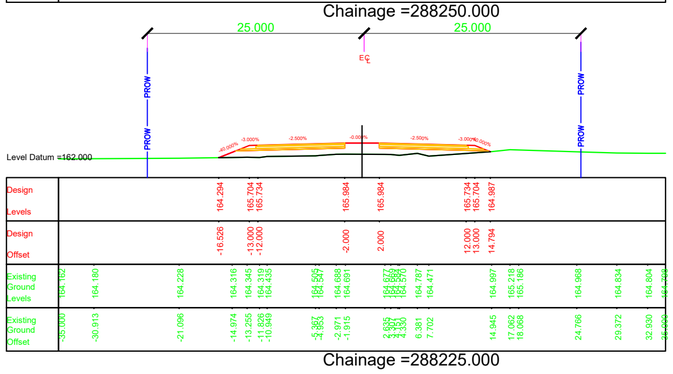


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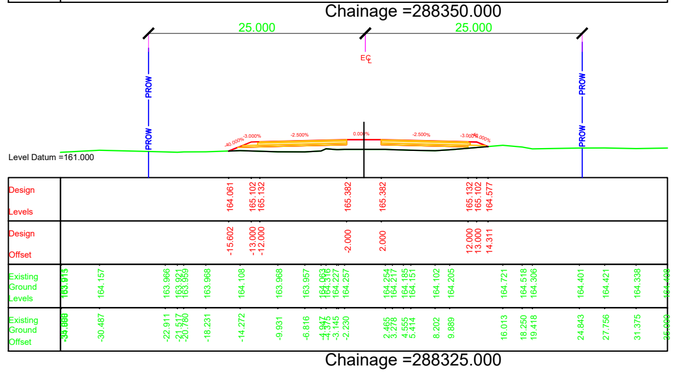
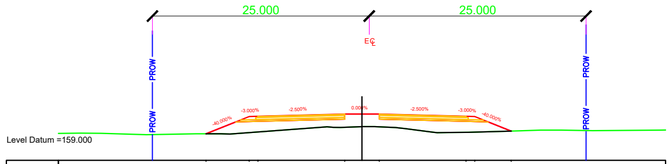



Chainage =288325.000

NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 288+125 to Km 288+400 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 168 |
| | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |



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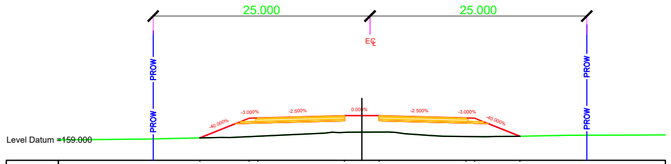

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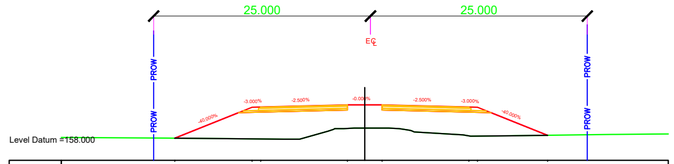

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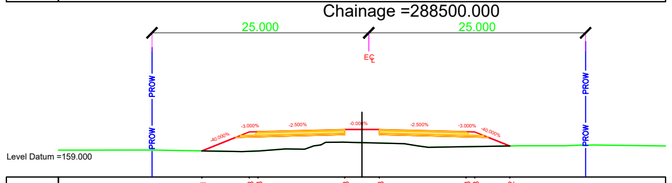

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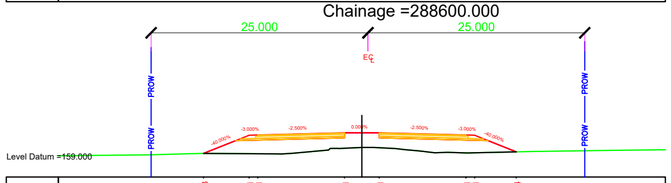

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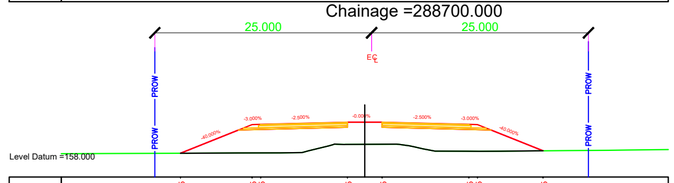

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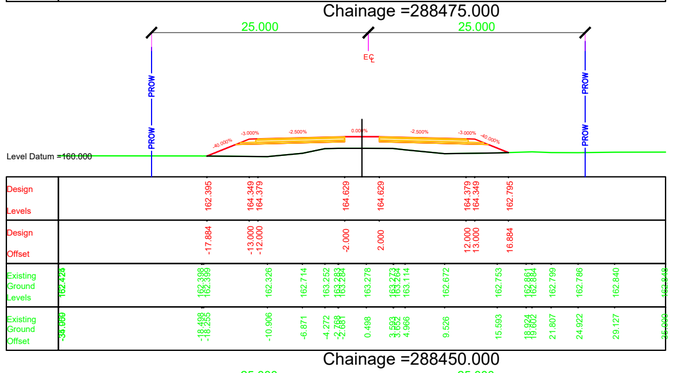

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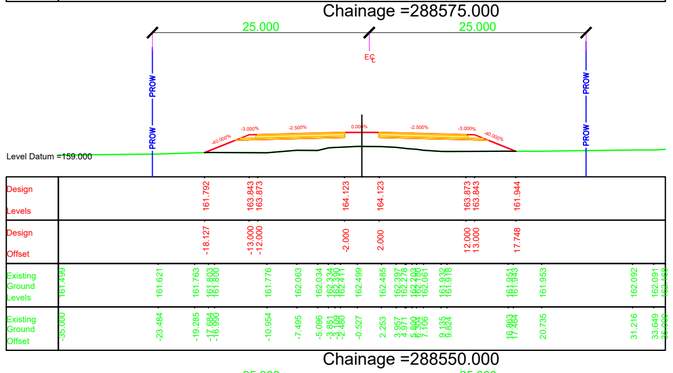

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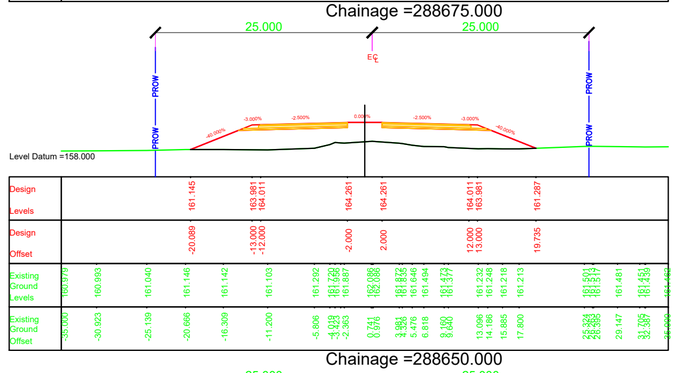

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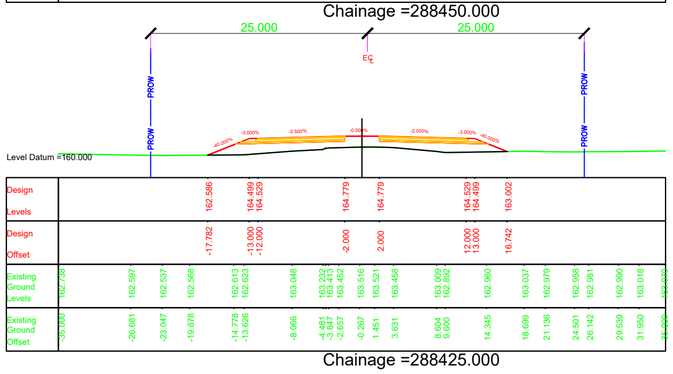

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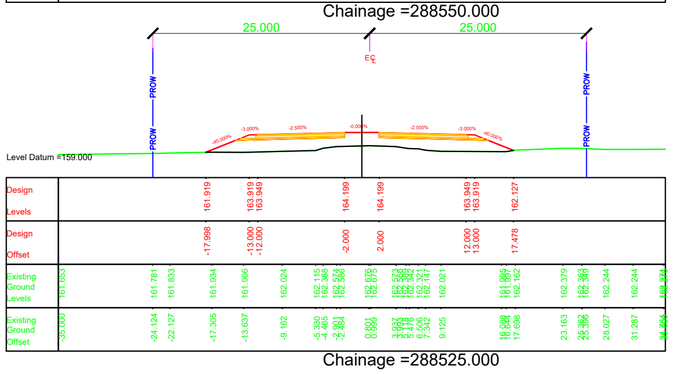

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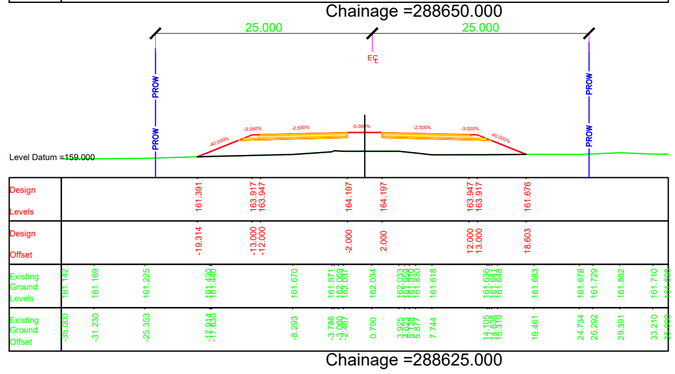
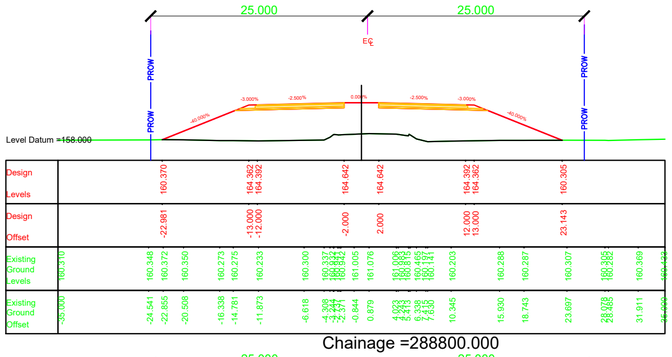


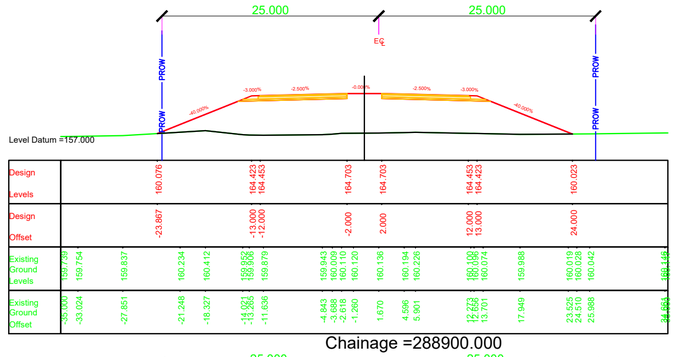
Chainage =288625.000

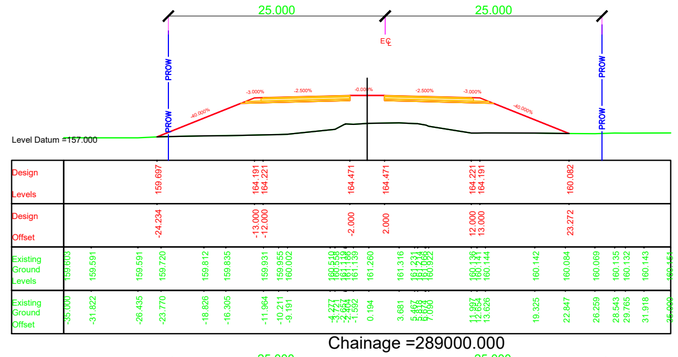
NOTES:

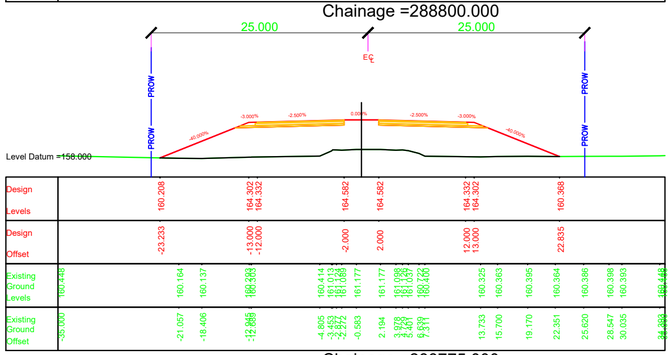
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

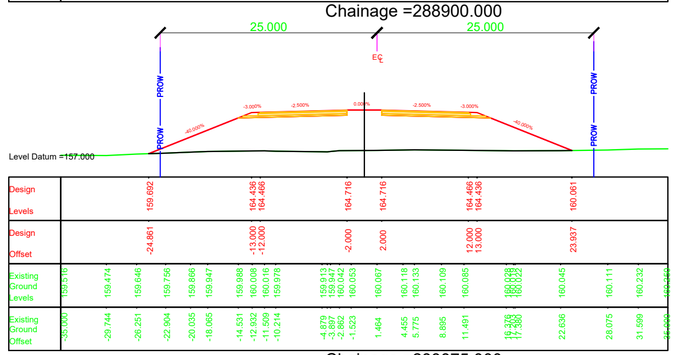
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146<br>Signature | Drawing Name: RUNNING CROSS SECTION<br>Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No.<br>Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS<br>Chainage: Km 288+425 to Km 288+700<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 169 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No.<br>Signature | Sheet No. |

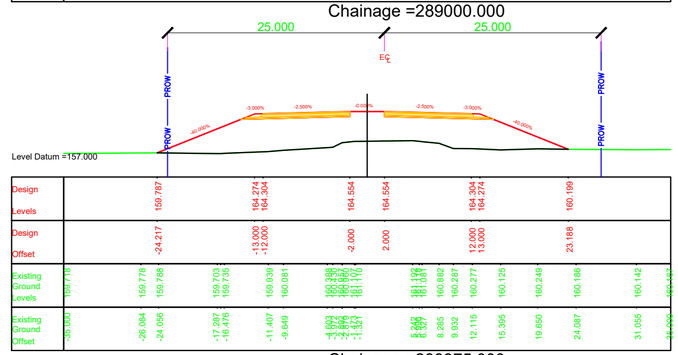


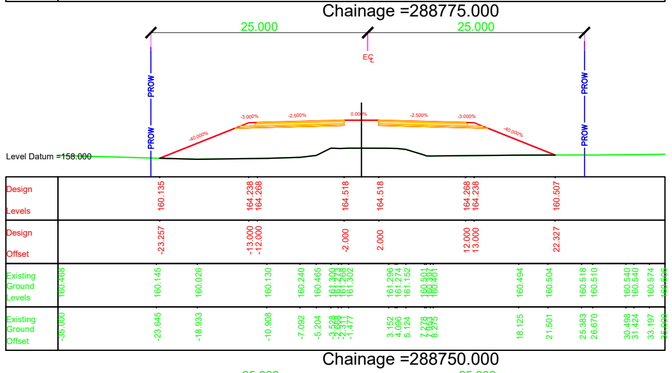



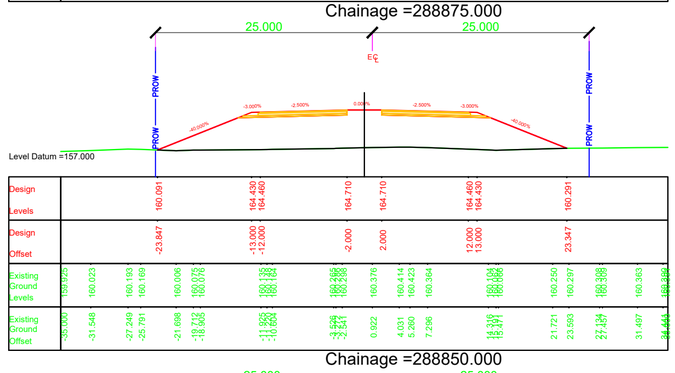



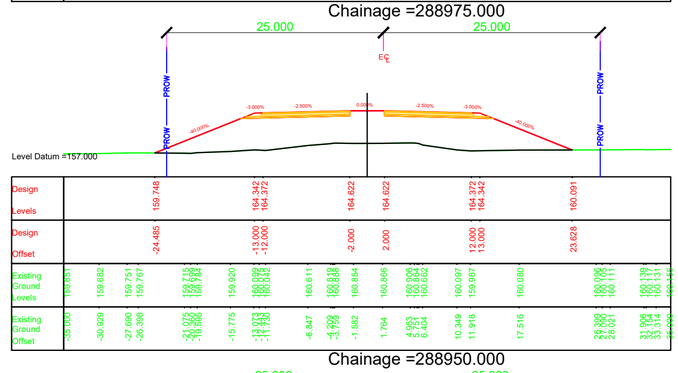



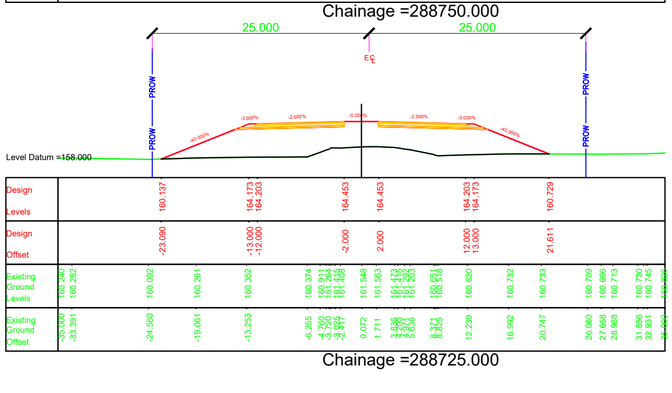



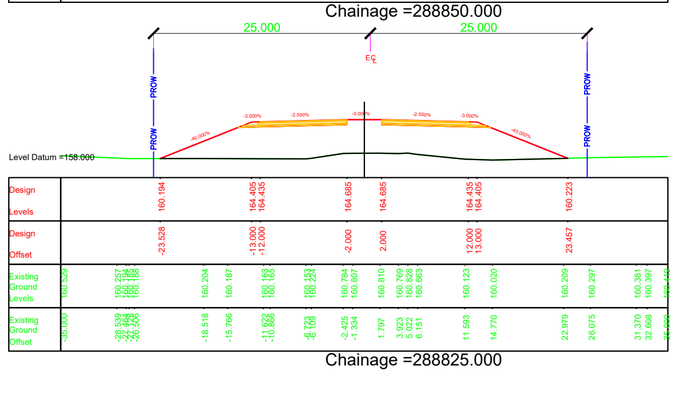



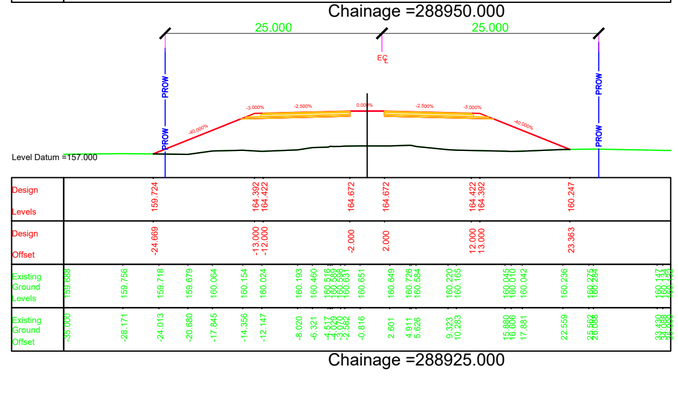




NOTES:

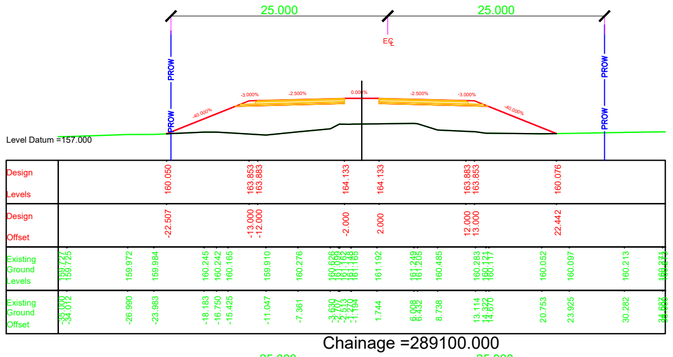
1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

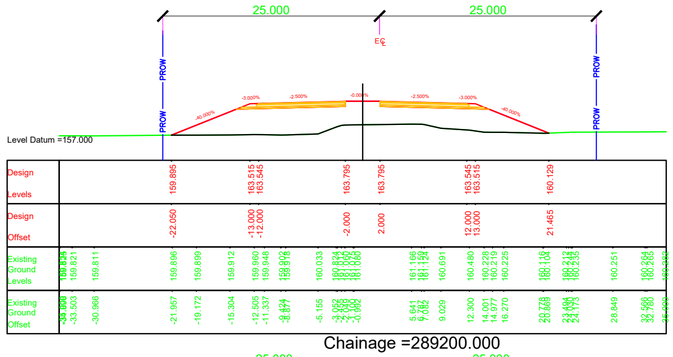
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 288+725 to Km 289+000 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | |

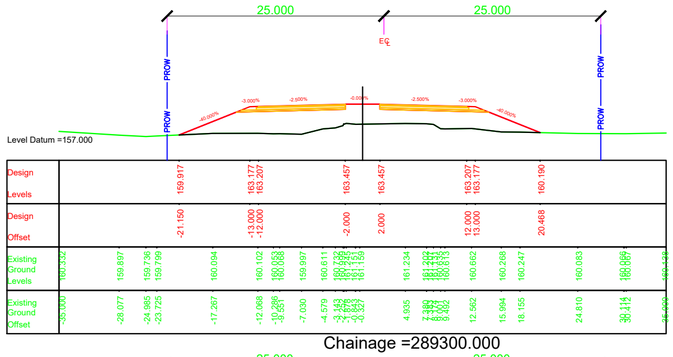
Date: JUNE 2023

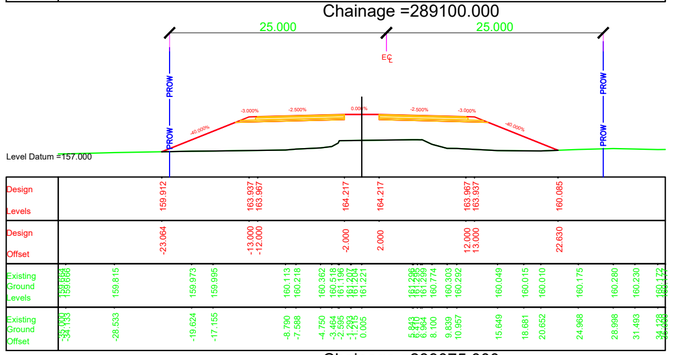
Drawing No. KDP/DDR/HIGHWAY/RCS- 170

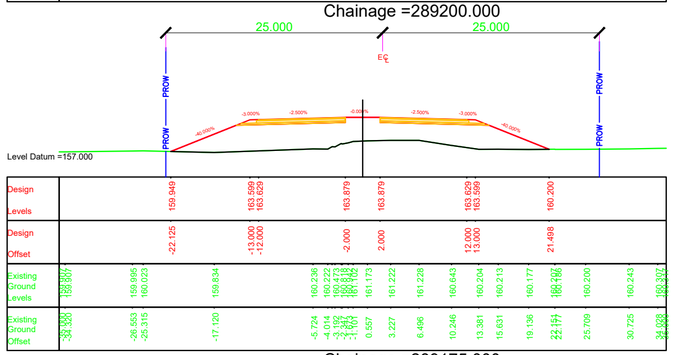
Sheet No.

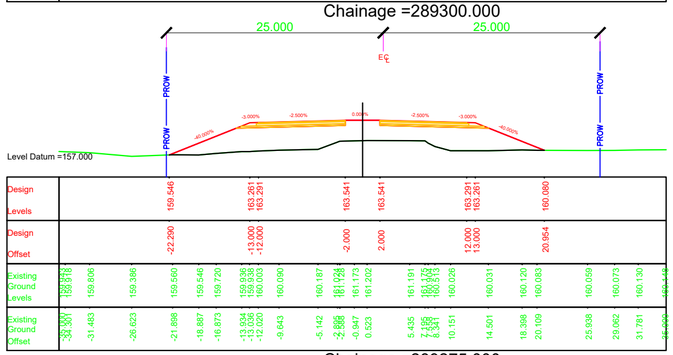


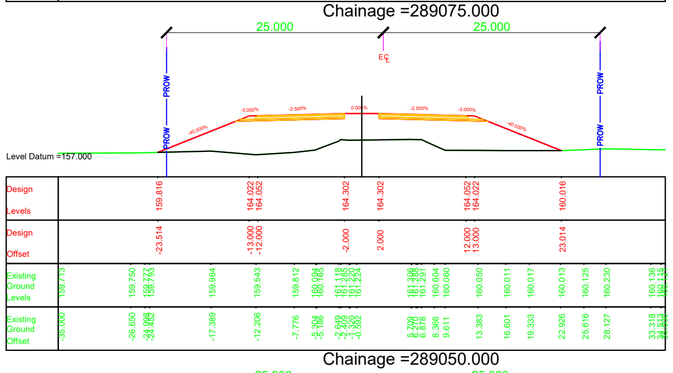



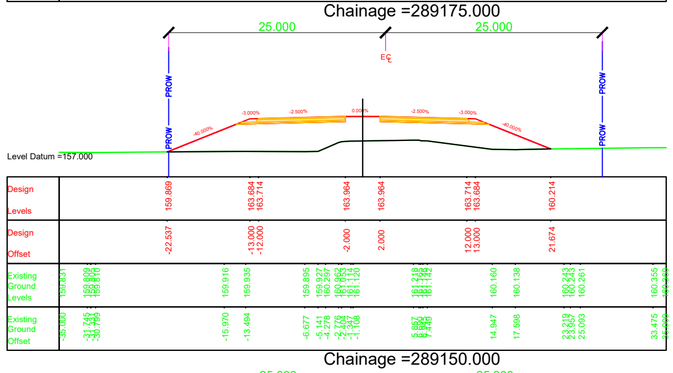



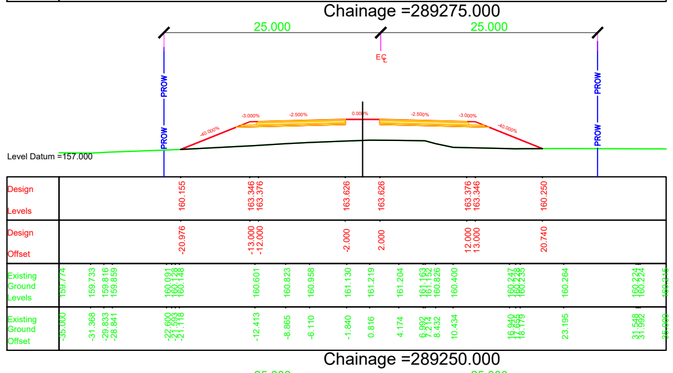



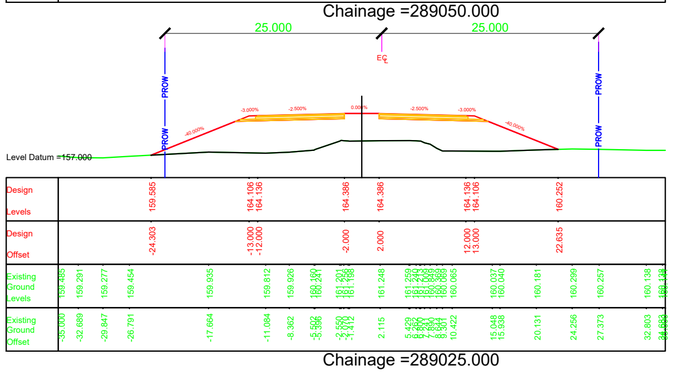



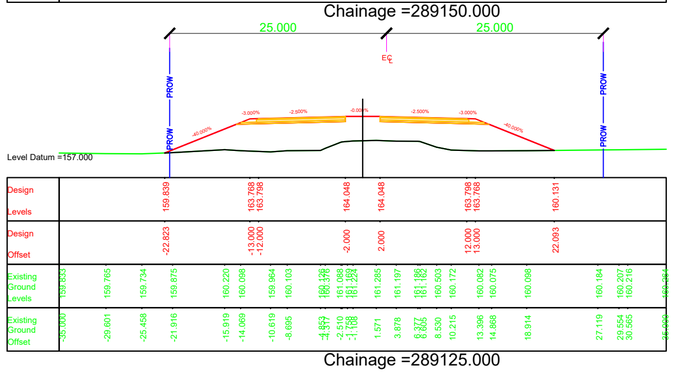



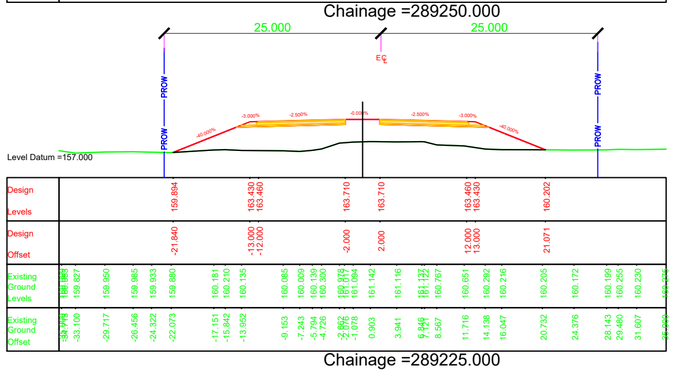



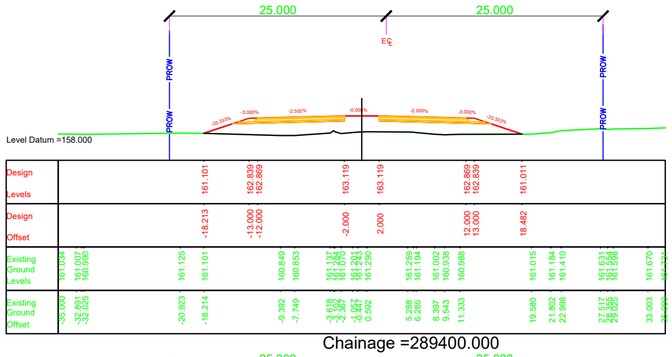




NOTES:

1. ALL DIMENSIONS, CHAINAGES AND LEVEL SHOWN IN THE DRAWING ARE IN METERS UNLESS OTHERWISE INDICATED.
2. ROW SHOWN IN THE DRAWING IS CONSIDERED w.r.t EXISTING ROAD.
3. THE REQUIREMENT OF RETAINING WALL BEYOND ROW SHALL BE ASCERTAINED AT SITE AFTER SITE SET OUT.

| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | |
|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146<br>Signature | Drawing Name: RUNNING CROSS SECTION<br>Scale: 1:500<br>Date: JUNE 2023 |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No.<br>Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS<br>Chainage: Km 289+025 to Km 289+300<br>Drawing No. KDP/DDR/HIGHWAY/RCS- 171 |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No.<br>Signature | Sheet No. |

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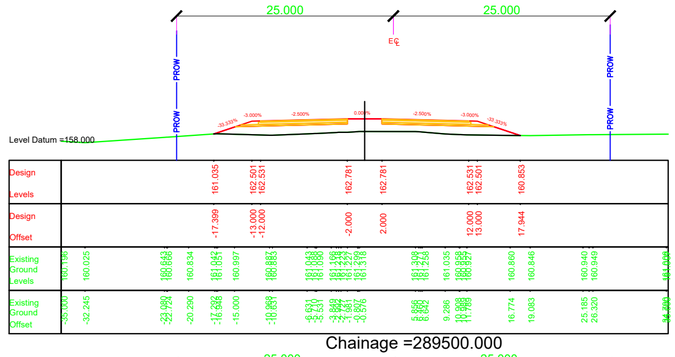


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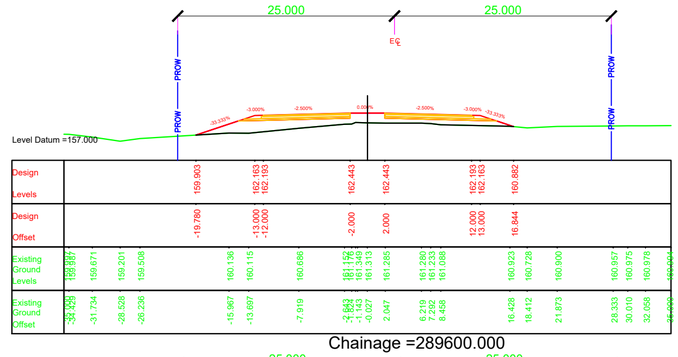


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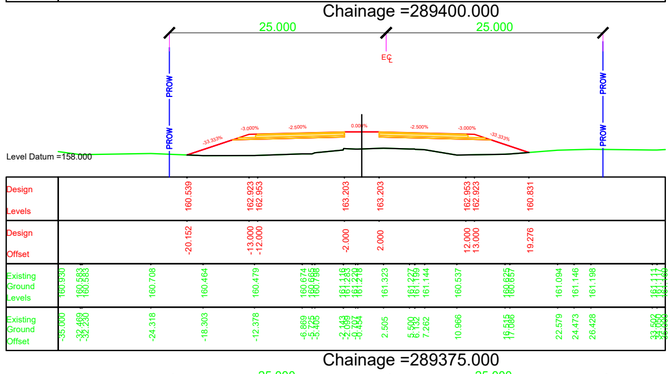


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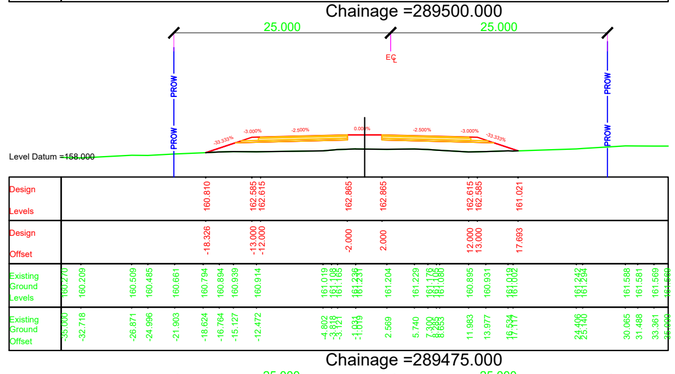


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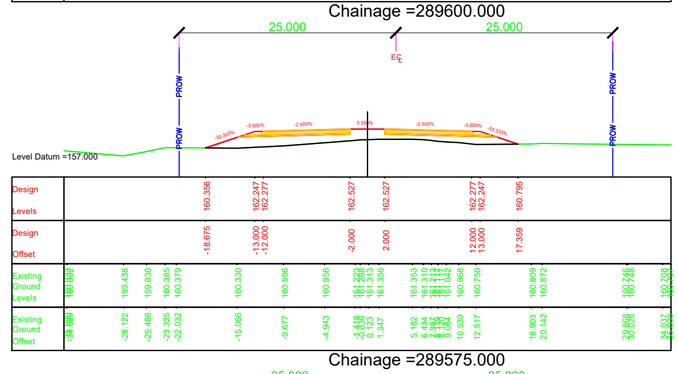


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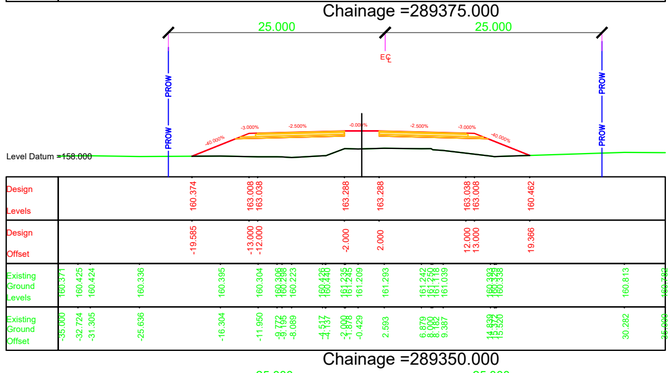


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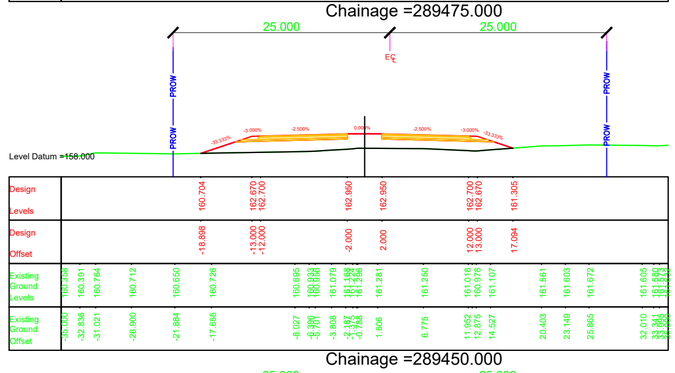


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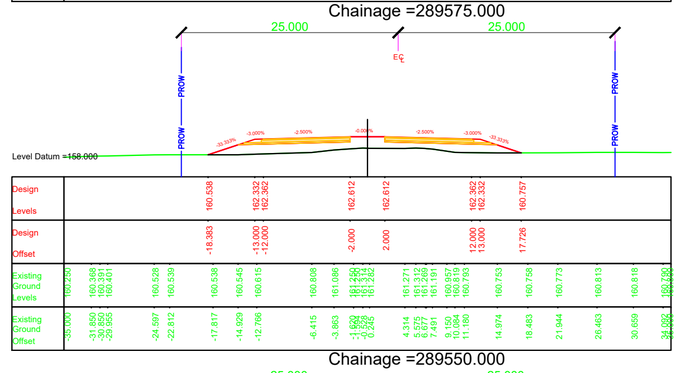


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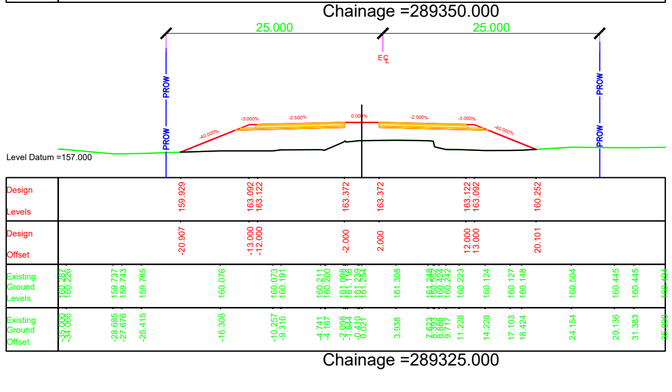


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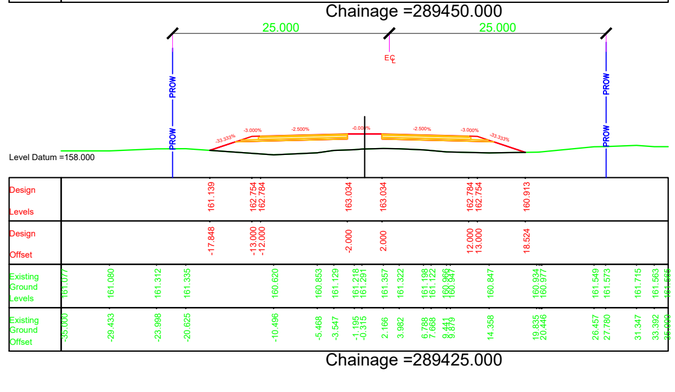


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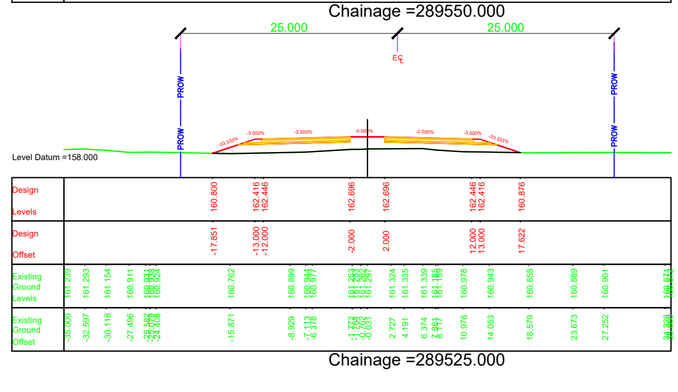


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NOTES:

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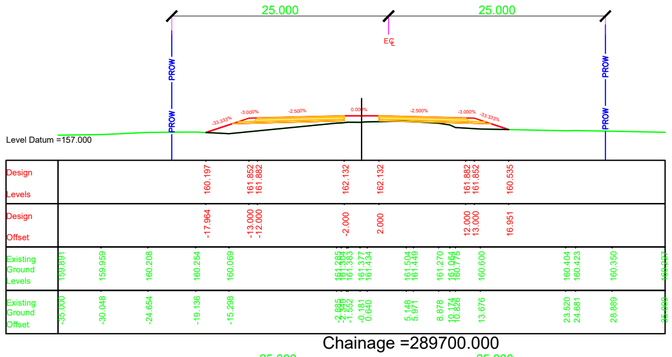
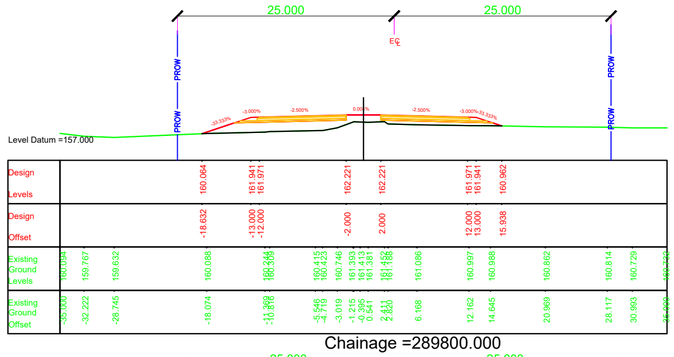
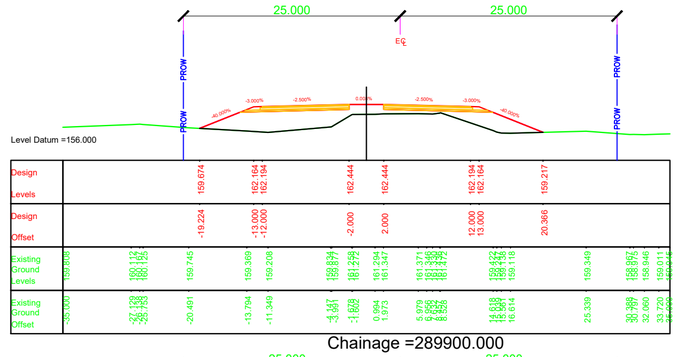
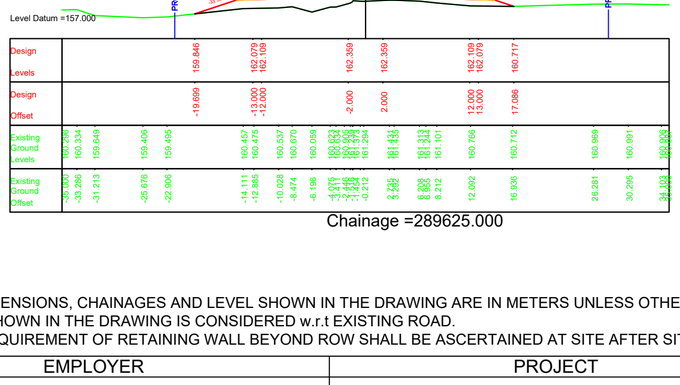
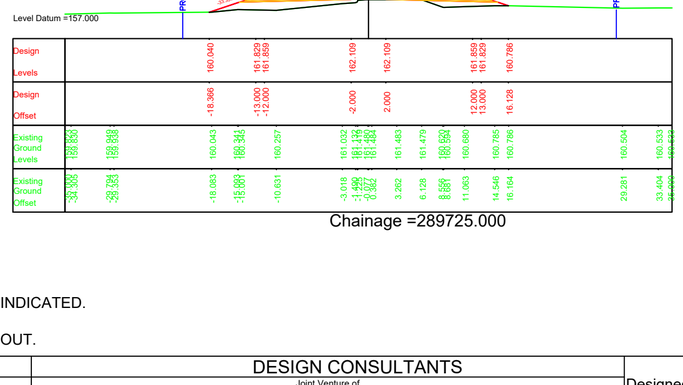
| EMPLOYER | PROJECT | DESIGN CONSULTANTS | | | | | |
|---|---|---|---|---|---|---|---|
| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | | | |
| | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature | Drawing Name<br>RUNNING CROSS SECTION | Scale:<br>1:500 | Date:<br>JUNE 2023 |
| | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature | Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 289+325 to Km 289+600 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 172 |
| | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature | | | Sheet No. |

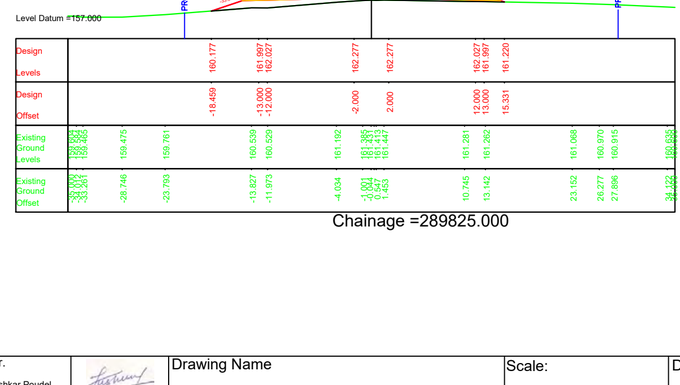


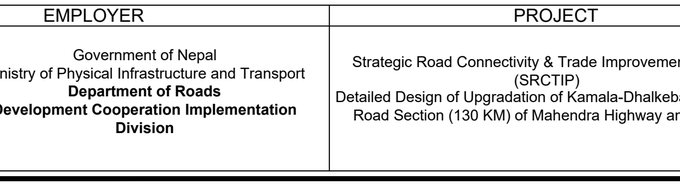



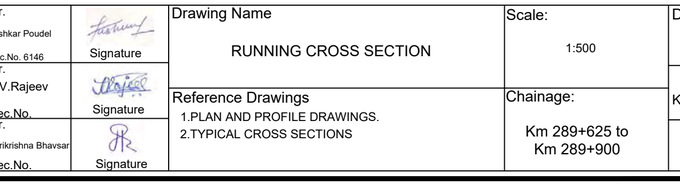















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| Government of Nepal<br>Ministry of Physical Infrastructure and Transport<br>**Department of Roads**<br>**Development Cooperation Implementation Division** | Strategic Road Connectivity & Trade Improvement Project (SRCTIP)<br>Detailed Design of Upgradation of Kamala-Dhalkebar-Pathlaiya Road Section (130 KM) of Mahendra Highway and Bridges | Joint Venture of<br>EPTISA Servicios De Ingeniera Madrid, Spain<br>STUP Consultants Private Limited Kolkatta, India<br>In Association With<br>Udaya Consultancy, Geocom International, Sundar Kriti Consultant and Rays Consultant Private Limited | | | |
| | | | Designed By | Mr. Pushkar Poudel<br>Nec.No. 6146 | Signature |
| | | | Checked By | Mr. T.V.Rajeev<br>Nec.No. | Signature |
| | | | Approved By | Mr. Harikrishna Bhavsar<br>Nec.No. | Signature |

| Drawing Name | Scale: | Date: |
|---|---|---|
| RUNNING CROSS SECTION | 1:500 | JUNE 2023 |
| Reference Drawings<br>1.PLAN AND PROFILE DRAWINGS.<br>2.TYPICAL CROSS SECTIONS | Chainage:<br>Km 289+625 to Km 289+900 | Drawing No.<br>KDP/DDR/HIGHWAY/RCS- 173<br>Sheet No. |