

**GOVT. OF NCT OF DELHI
DEPARTMENT OF FOREST AND WILD LIFE
OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS
NORTH FOREST DIVISION, MGICCC, BAKOLI, ALIPUR, NEW DELHI-110036**

Full Title of Project: Development of Urban Extension Road-II NH-344M from Design Km 0+000 at NH-1 Intersection (Km 23+800, near Bankoli village) to Design Km 38+111 near Sector 24, Dwarka in the state of NCT Delhi

Proposal No.: FP/DL/ROAD/49252/2020

Date of Proposal: 02.09.2020

This is to certify that the muck disposal scheme submitted by the User Agency i.e. NHAI, for the above project has been found to be satisfactory. A copy of the same is also attached with this document.


(Vipul Pandey)
Dy. Conservator of Forests (North)

**DY. CONSERVATOR OF FOREST (NORTH)
NORTH FOREST DIVISION
DEPARTMENT OF FORESTS & WILDLIFE, GNCTD
CAMPUS OF MGICCI ALIPUR, BAKTHAWAR ROAD,
BAKOLI, DELHI-110036**

Muck Disposal Plan

Sub: Development of Urban Extension Road-II (UER-II) NH-344M from Design Km 0+000 at NH-1 Intersection (Km 23+800, near Bankoli village) to Design Km 38+111 near Sector 24, Dwarka in the state of NCT of Delhi under Bharatmala Pariyojana: Deemed Forest to be diverted (District North, West and South West) Forest Proposal No. FP/DL/ROAD/49252 /2020

Sr. No.	Particular	Remarks																		
1.	Calculation of muck to be generated Swell factor to be applied	<table> <tr> <td>Excavated Earth will be Generated during Construction</td><td>:-</td><td>800056.0 Cum</td></tr> <tr> <td>Soft Rock</td><td>:-</td><td>0</td></tr> <tr> <td>Hard Rock</td><td>:-</td><td>0</td></tr> <tr> <td>Total</td><td>:-</td><td>800056.0 Cum</td></tr> <tr> <td>Add Swelling factor @ 40%</td><td>:-</td><td>320022.4 Cum</td></tr> <tr> <td>Grand Total</td><td>:-</td><td>1120078.4 Cum</td></tr> </table>	Excavated Earth will be Generated during Construction	:-	800056.0 Cum	Soft Rock	:-	0	Hard Rock	:-	0	Total	:-	800056.0 Cum	Add Swelling factor @ 40%	:-	320022.4 Cum	Grand Total	:-	1120078.4 Cum
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Grand Total	:-	1120078.4 Cum																		
2.	Quantity of muck to be utilized in the project activities.	<table> <tr> <td colspan="3">Use of Material: -</td></tr> <tr> <td>Item for which material is to be used</td><td colspan="2">Quantity of material consumed (in cum)</td></tr> <tr> <td>Required Earth Filling during Construction</td><td colspan="2">3119007.0</td></tr> <tr> <td>Total material required for Earth filling as above in Cum</td><td colspan="2">3119007.0 - 1120078.4</td></tr> <tr> <td>Balance Earth Filling will be required in Cum</td><td colspan="2">1998928.6</td></tr> </table>	Use of Material: -			Item for which material is to be used	Quantity of material consumed (in cum)		Required Earth Filling during Construction	3119007.0		Total material required for Earth filling as above in Cum	3119007.0 - 1120078.4		Balance Earth Filling will be required in Cum	1998928.6				
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3.	Balance quantity of muck which requires disposal / management plan.	Nil, as the earth filling work is more than muck generated and hence, all the muck generated shall be utilised in the project site itself in earthfilling of embankment, subgrade, RE wall etc.																		
4.	Carriage of muck from the muck generation site due to the dumping site.	Not applicable, as per Column 2 & 3 above.																		
5.	Ownership of Land and the consent of land owners in case muck disposal is proposed on non- forest land.	Not applicable, as per Column 2 & 3 above.																		
6.	Photograph & carrying capacity of proposed dumping site (Muck disposal sites)	Not applicable, as per Column 2 & 3 above.																		
7.	Development of dump in site construction of retaining walls and other structure as per requirement of the site. The object is to completely stop rolling of the muck	Not applicable, as per Column 2 & 3 above.																		
8.	Rehabilitation of dumping site like levelling planting of grass, scrub and tree species.	Not applicable, as per Column 2 & 3 above.																		

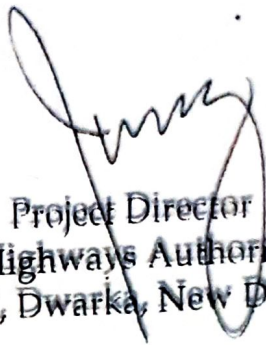
Note: Cost to be incurred under above activities has to be given component wise. Details of dumping site including length, Width & height of structure to be erected must be mentioned.

Undertaking by user agency has to be given to the affect that:

1. Muck Management plan will be prepared & implemented by user agency and in case of non-implementation of plan they will be liable to penalty/action at their cost
2. The proposed dumping site is located away from river/ Stream/ Nala - Not applicable

Date:- 16.08.2021

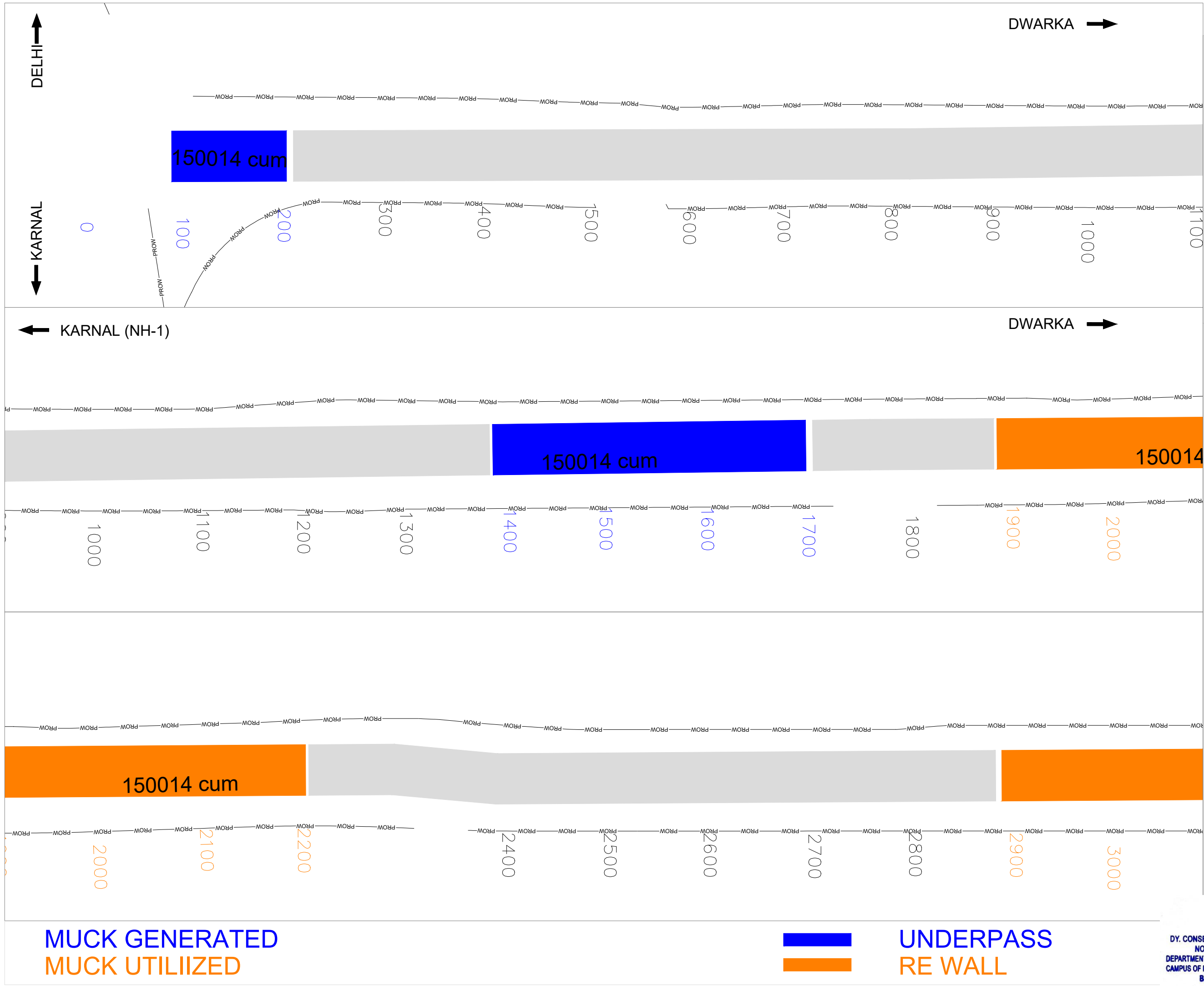
Place:- Dwarka

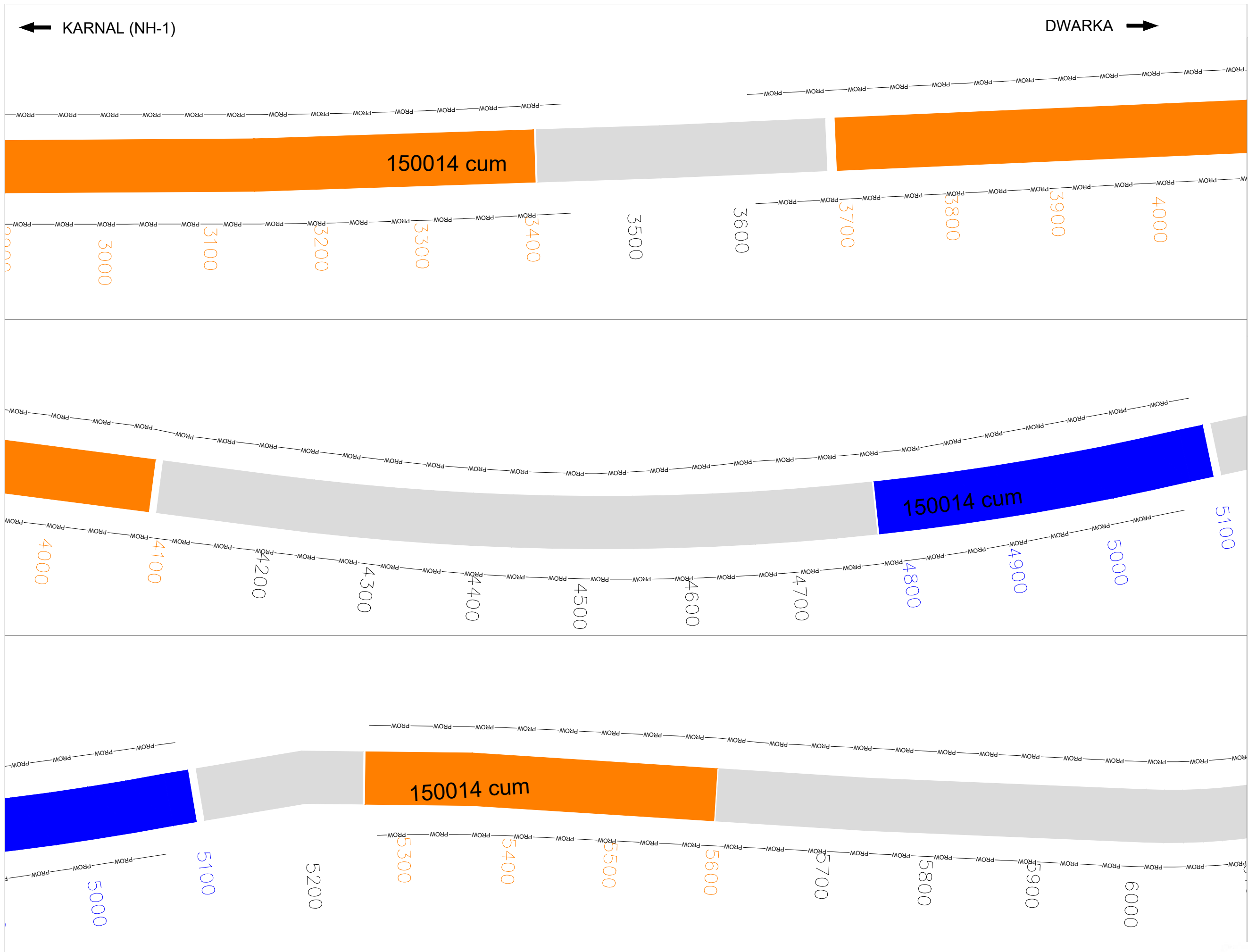

Project Director
National Highways Authority of India
PIU, Dwarka, New Delhi

Project Director
Project Implementation Unit
National Highways Authority of India
Dwarka, New Delhi

Counter Sign:


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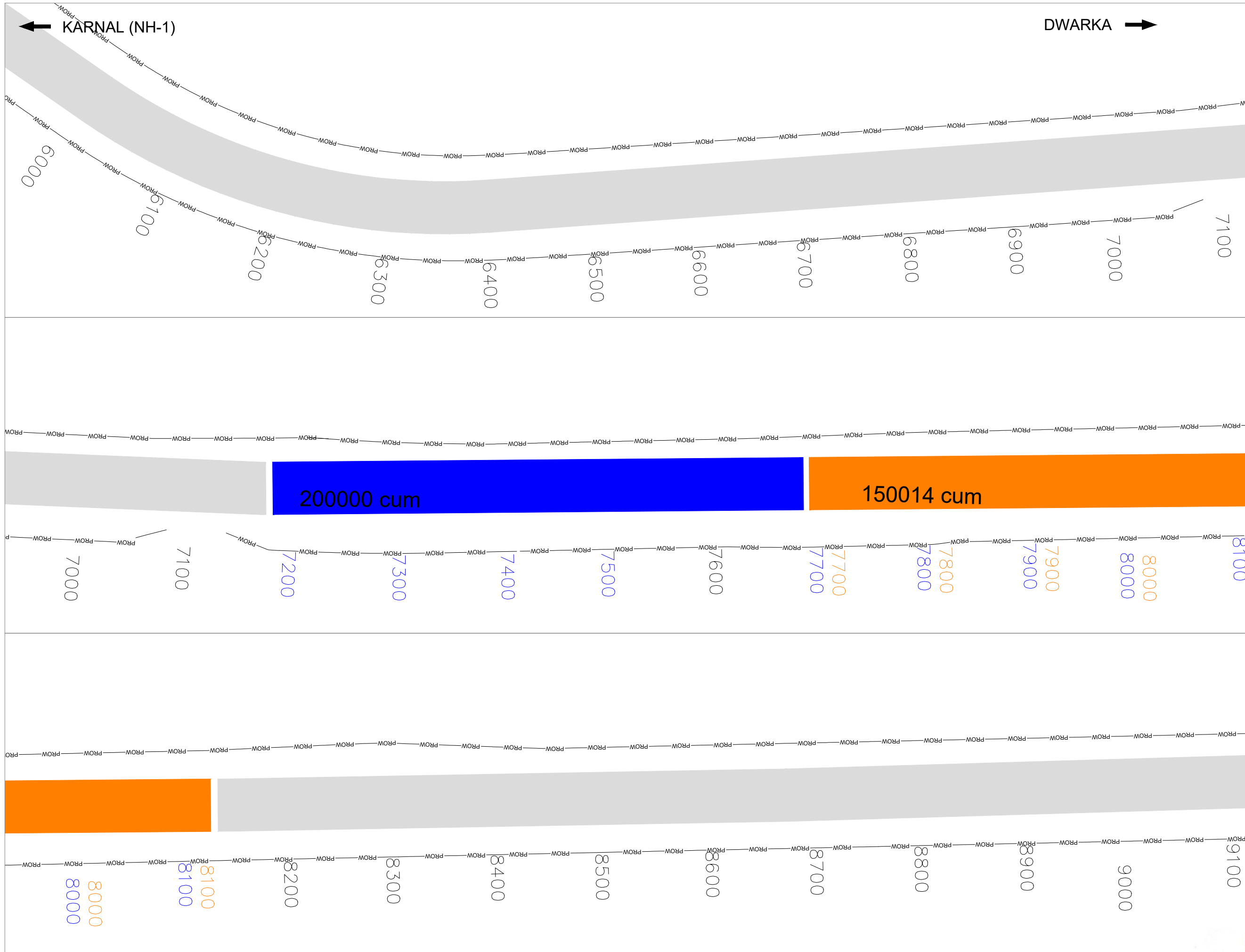




MUCK GENERATED
MUCK UTILIZED



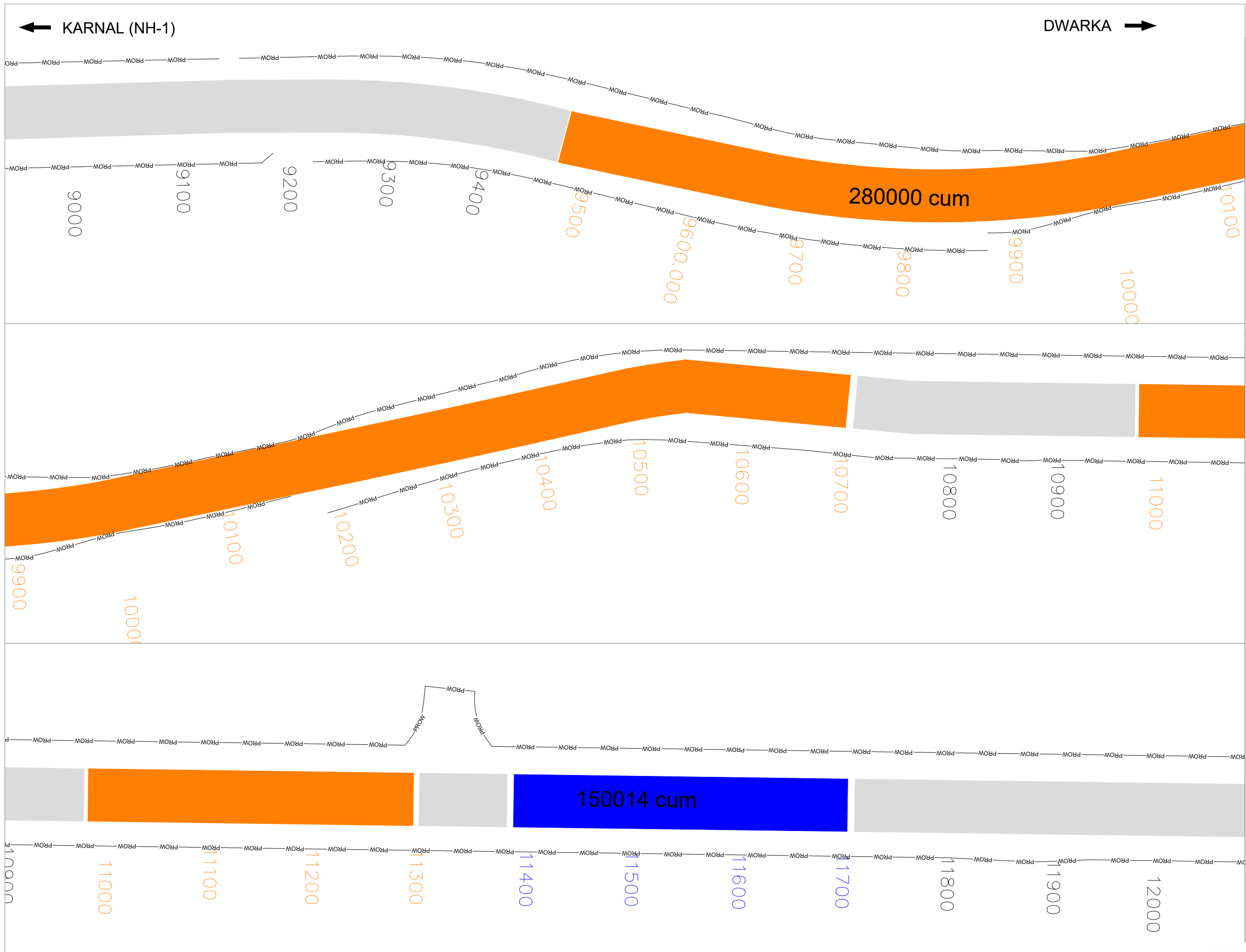
UNDERPASS
RE WALL



MUCK GENERATED
MUCK UTILIZED

UNDERPASS
RE WALL

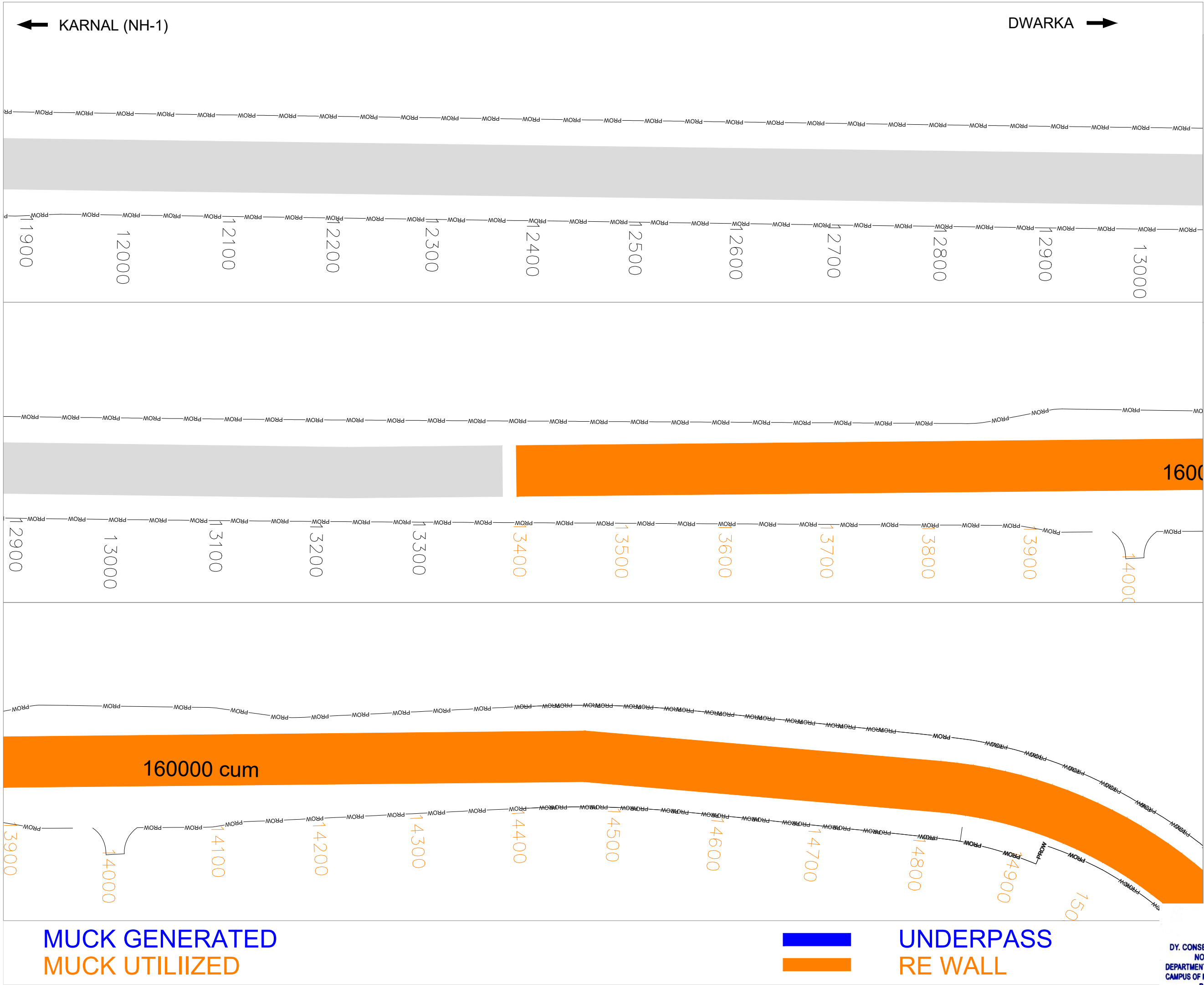
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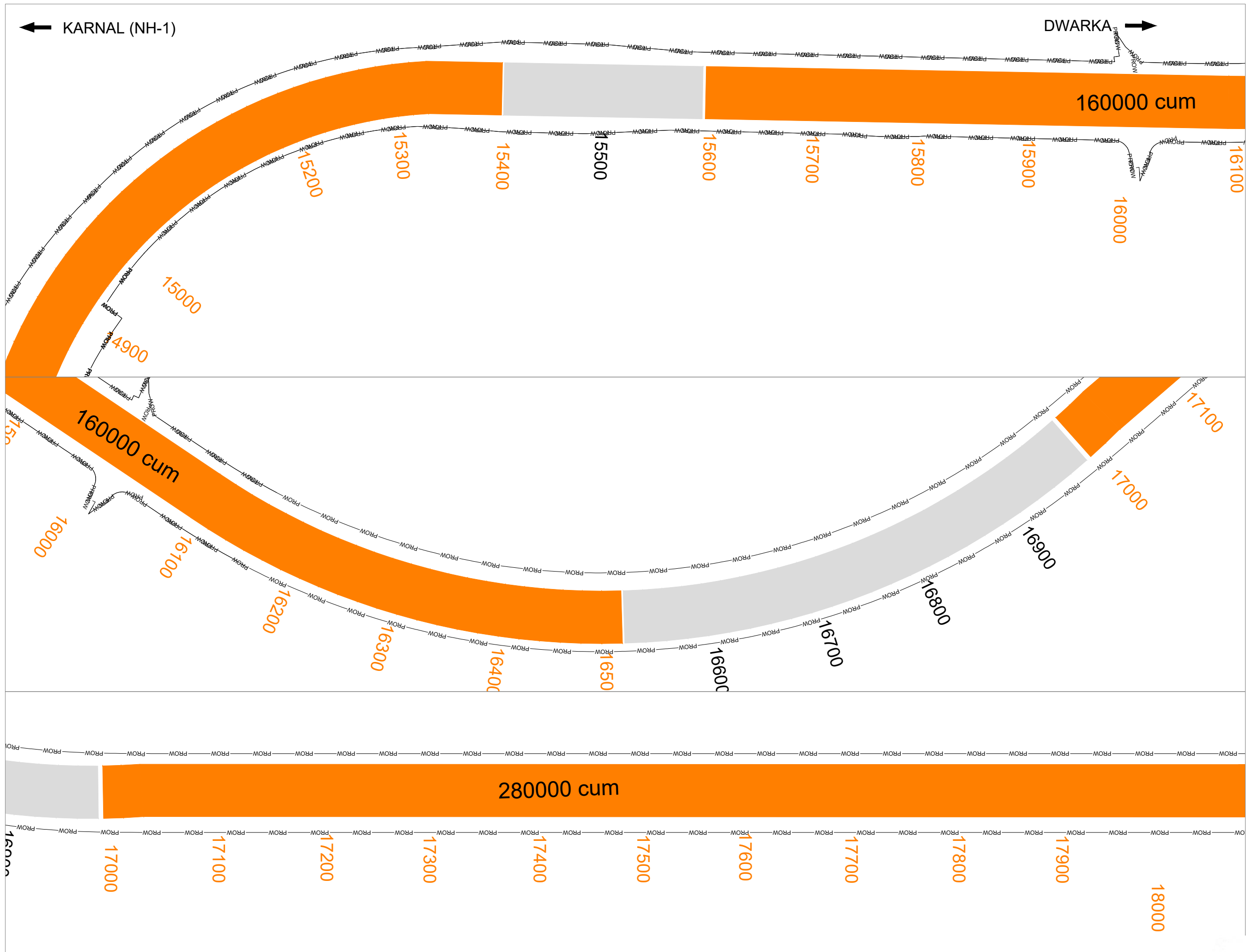


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UNDERPASS
RE WALL





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UNDERPASS
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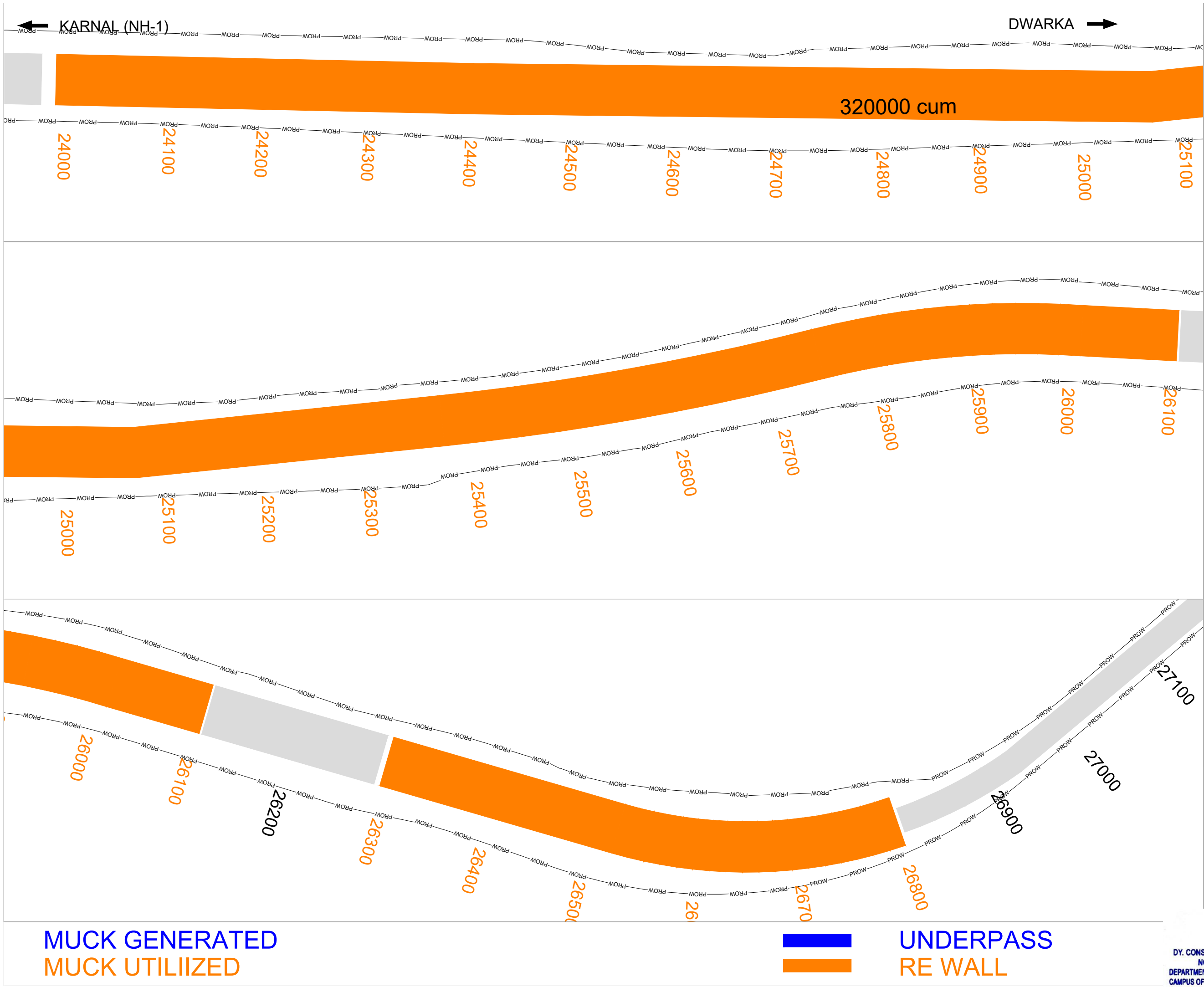
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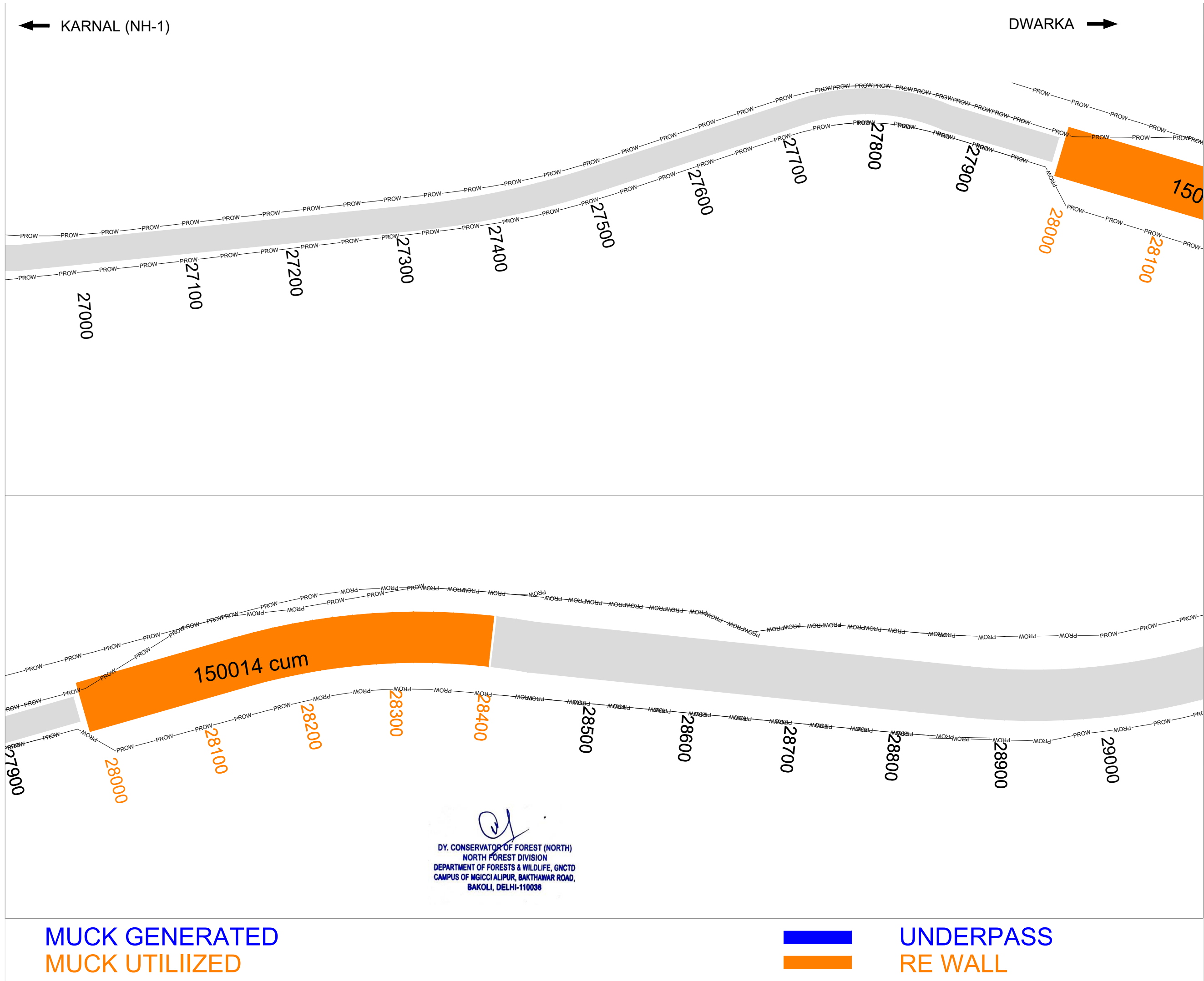
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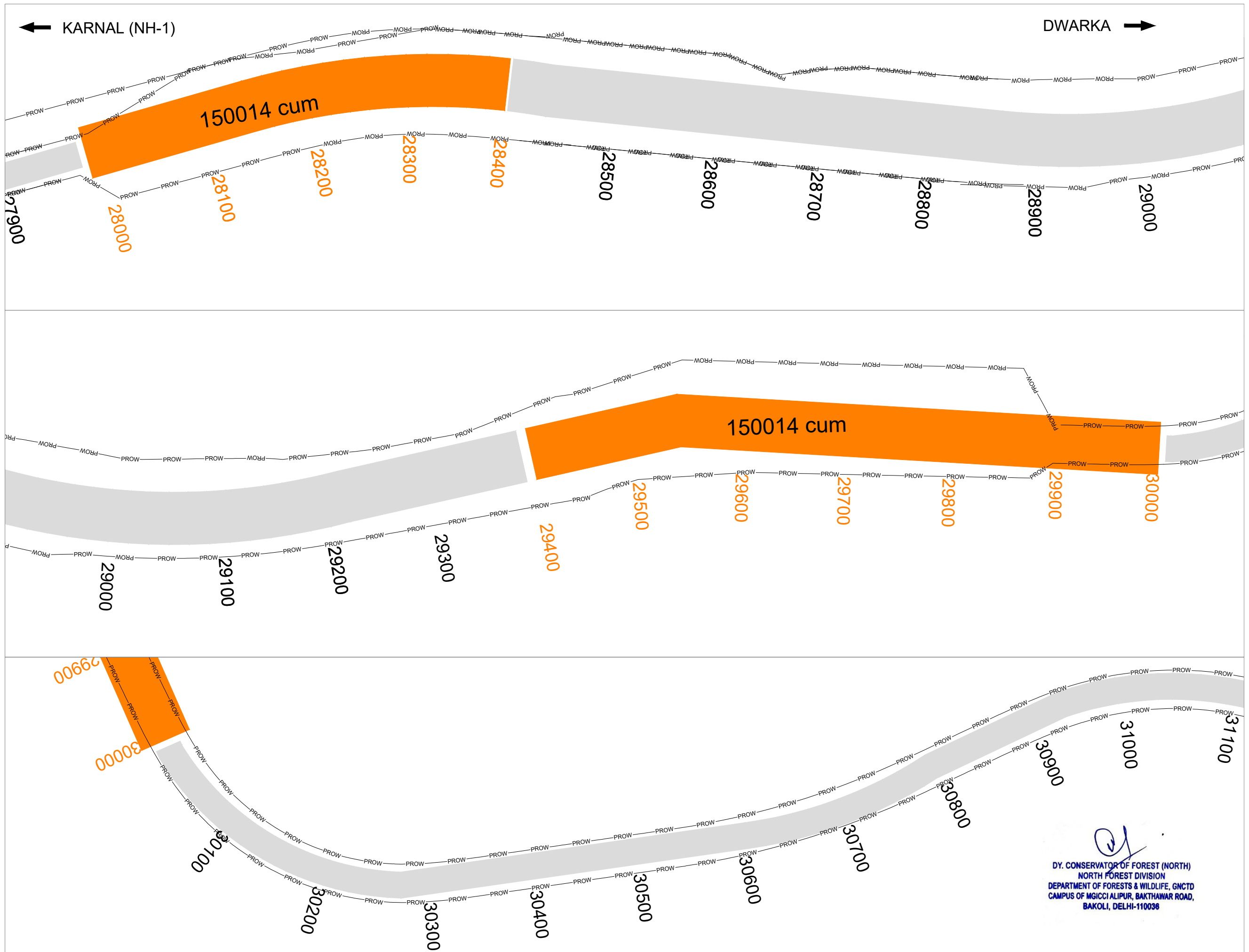
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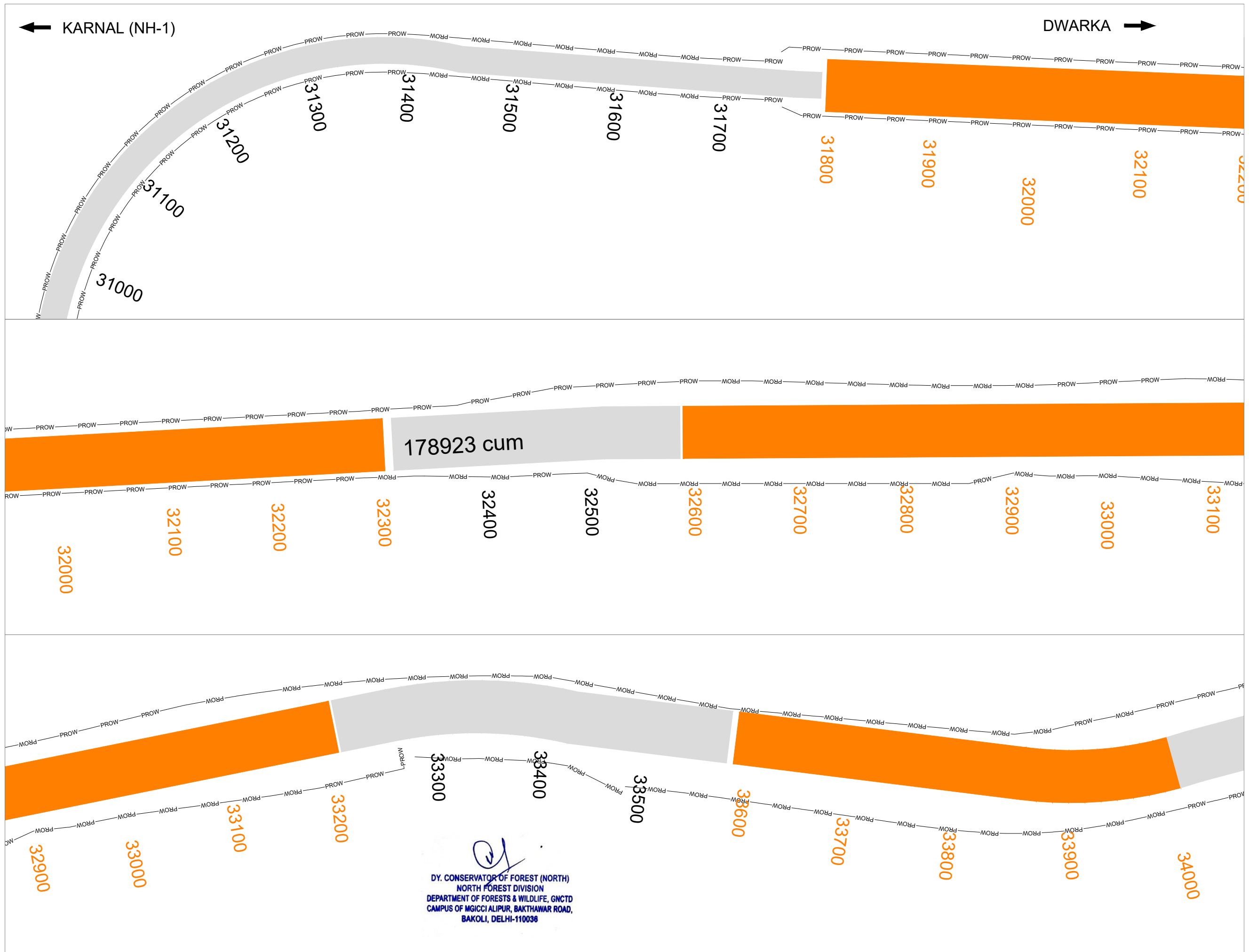


MUCK GENERATED
MUCK UTILIZED



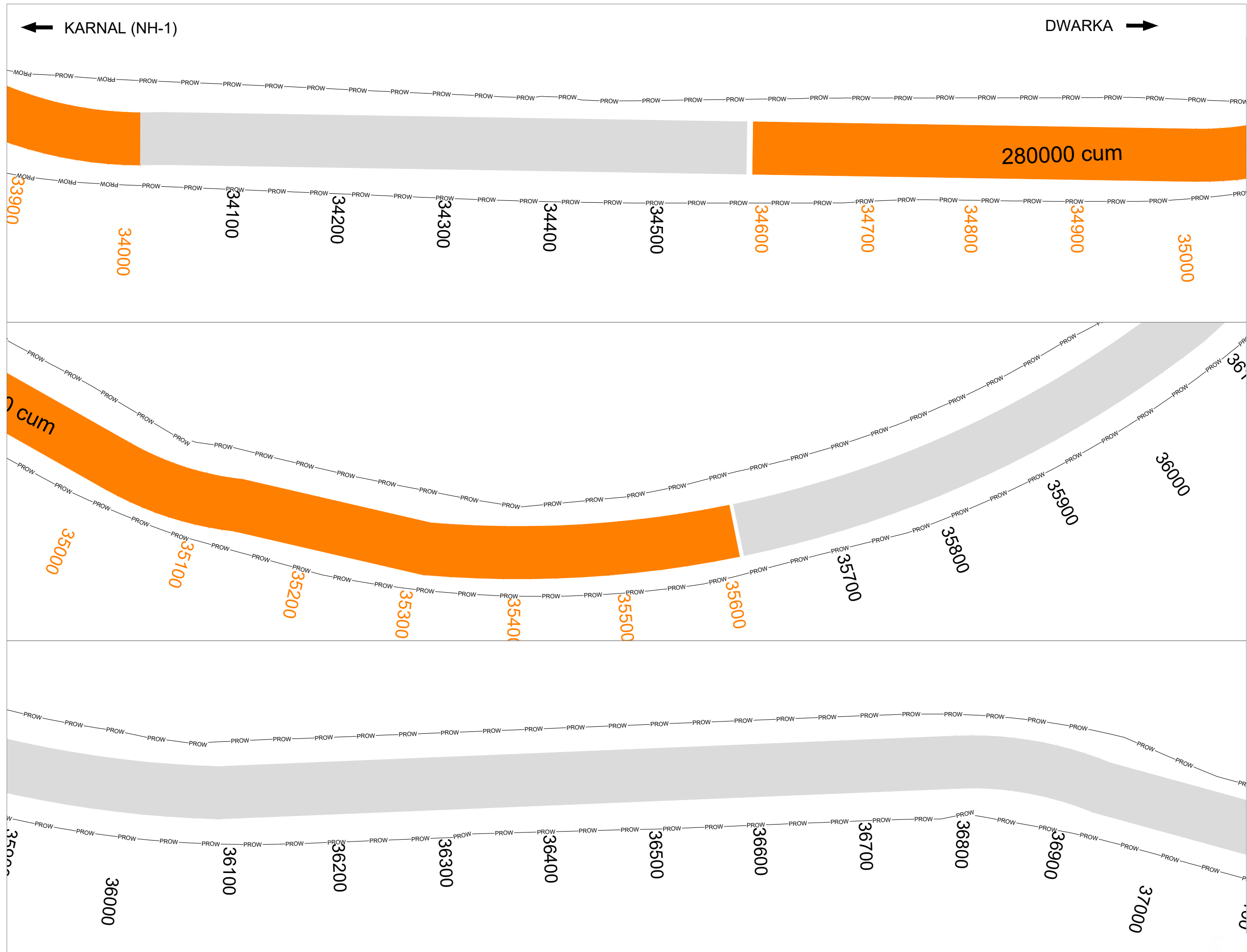
UNDERPASS
RE WALL

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MUCK GENERATED
MUCK UTILIZED

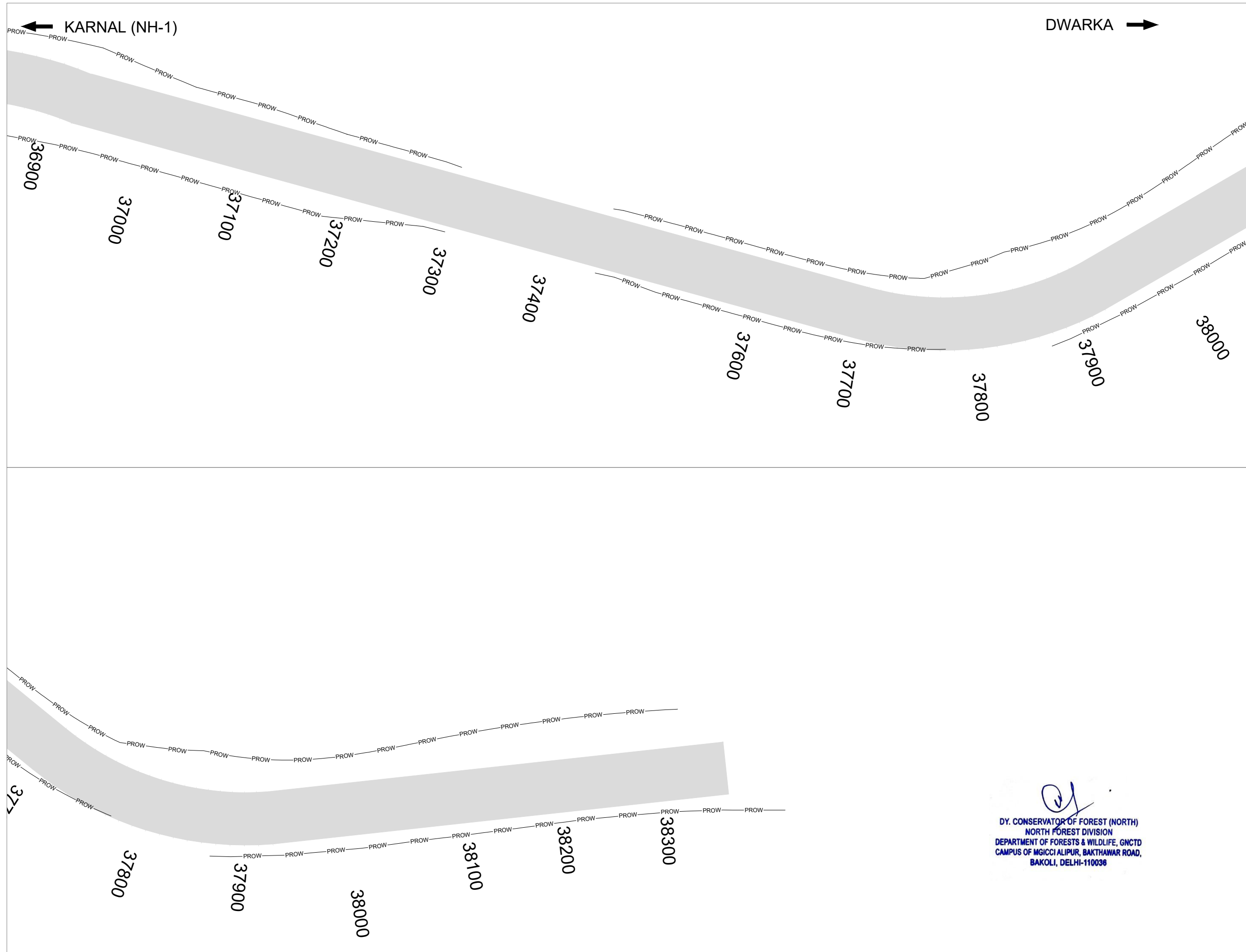
UNDERPASS
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