

FINAL DETAILED PROJECT REPORT

APRIL 2020

CONSULTANCY SERVICES FOR PREPERATION OF DETAILED PROJECT REPORT AND PROVIDING PRE-CONSTRUCTION ACTIVITIES IN RESPECT OF THE FOLLOWING STRETCH ON NH-244 (OLD NH-1B) IN THE STATE OF JAMMU AND KASHMIR.

- (1) SUDHMAHADEV- DRANGA TUNNEL OF APPROX. LENGTH 4.5 KM AND ITS APPROACH ROAD ON CHENANI - SUDHMAHADEV- GOHA ROAD PORTION.
- (2) VAILOO TUNNEL OF APPROX. LENGTH 10.0 KM UNDER SINTHAN PASS AND ITS APPROACH ROAD ON GOHA-KHELLANI- KHANABAL ROAD PORTION.
- (3) ROAD PORTION FROM 82.675 TO 82.925 AT KM 83 ON BATOTE-KISHTWAR ROAD SECTION OF NH-244.
- (4) EXTENDED ROAD SECTION FROM GOHA TO KHELLANI OF 30 KM LENGTH



GOHA - KHELLANI ROAD PACKAGE-IA (KM 12.850 to KM 20.300) VOLUME - IX - DRAWINGS (DETAILED CROSS SECTIONS)

getinsa-euroestudios



TPF GETINSA EUROESTUDIOS S.L.

Unit 305, Suncity Business Tower, Golf Course
Road, Sector 54 Gurgram Haryana - 122002 India

Email : indiacentral@tpfingenieria.com

IN ASSOCIATION WITH



RODIC CONSULTANTS PRIVATE LIMITED
1, Jai Singh Marg (First Floor), YMCA Cultural
Centre Building, New Delhi – 110001 (INDIA)

Email : contact@rodicconsultants.com

DETAILED CROSS SECTION

Level Datum =1399.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =12900.000

Level Datum =1390.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =13000.000

Level Datum =1394.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

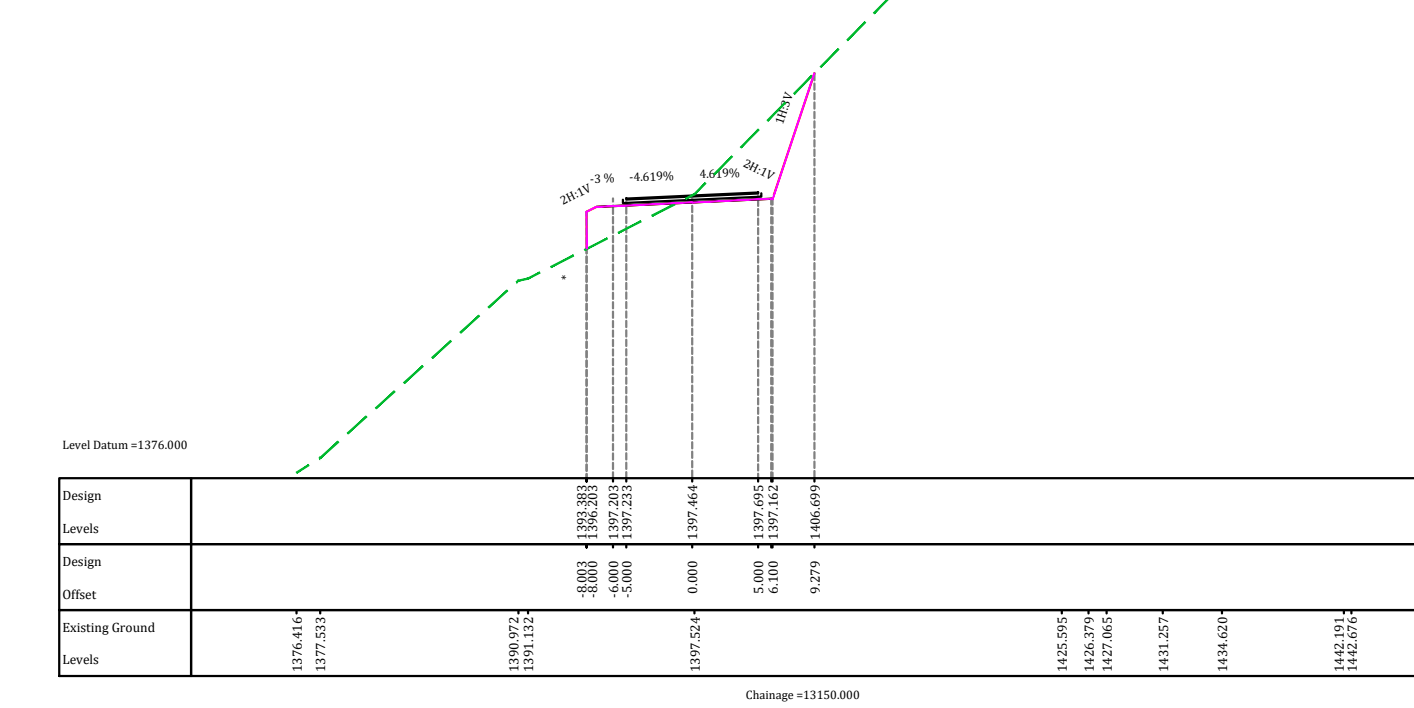
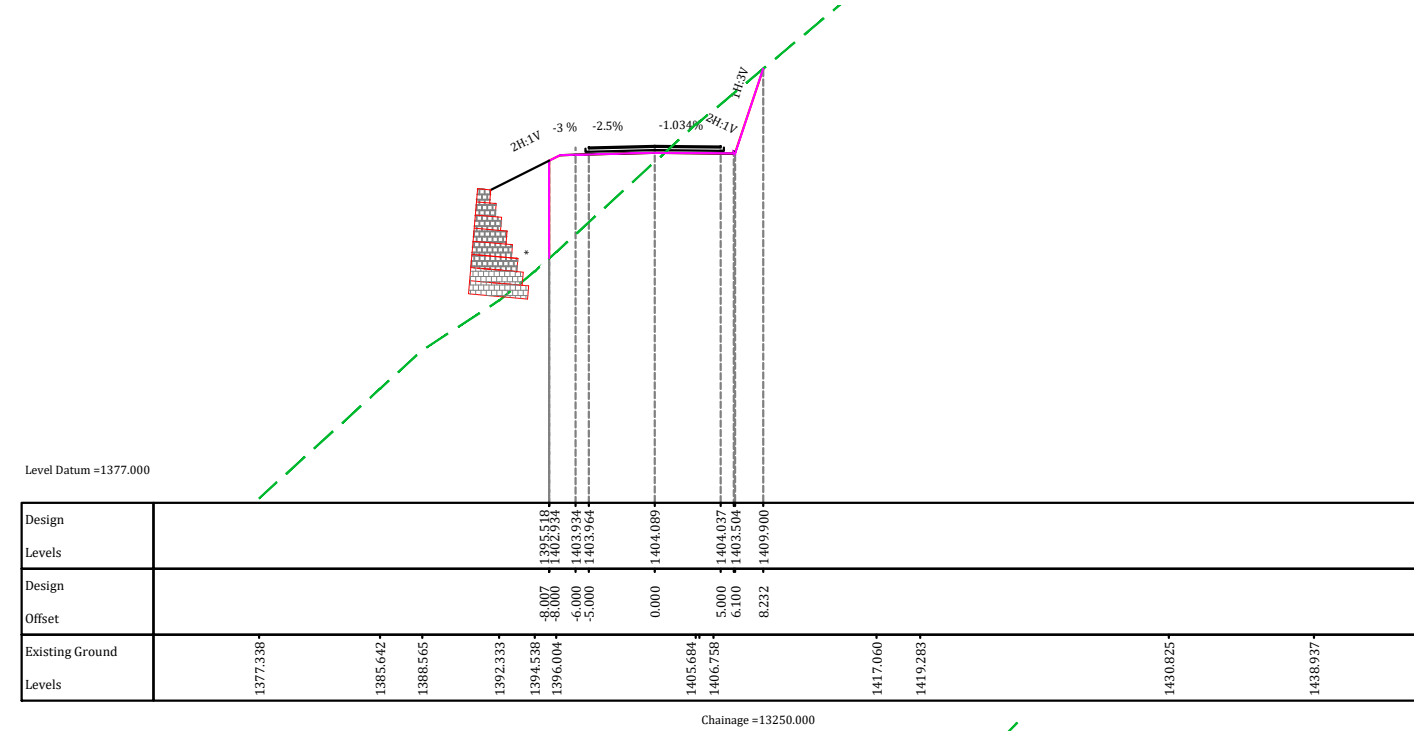
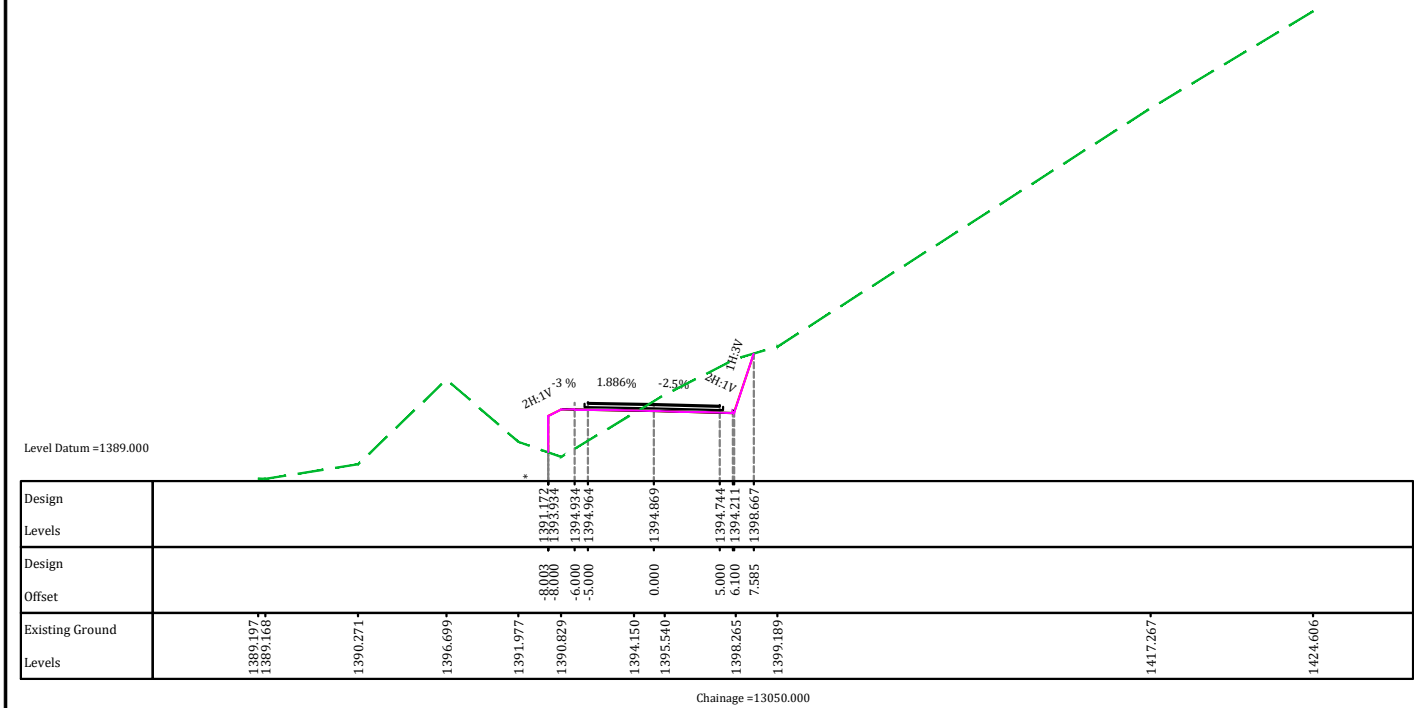
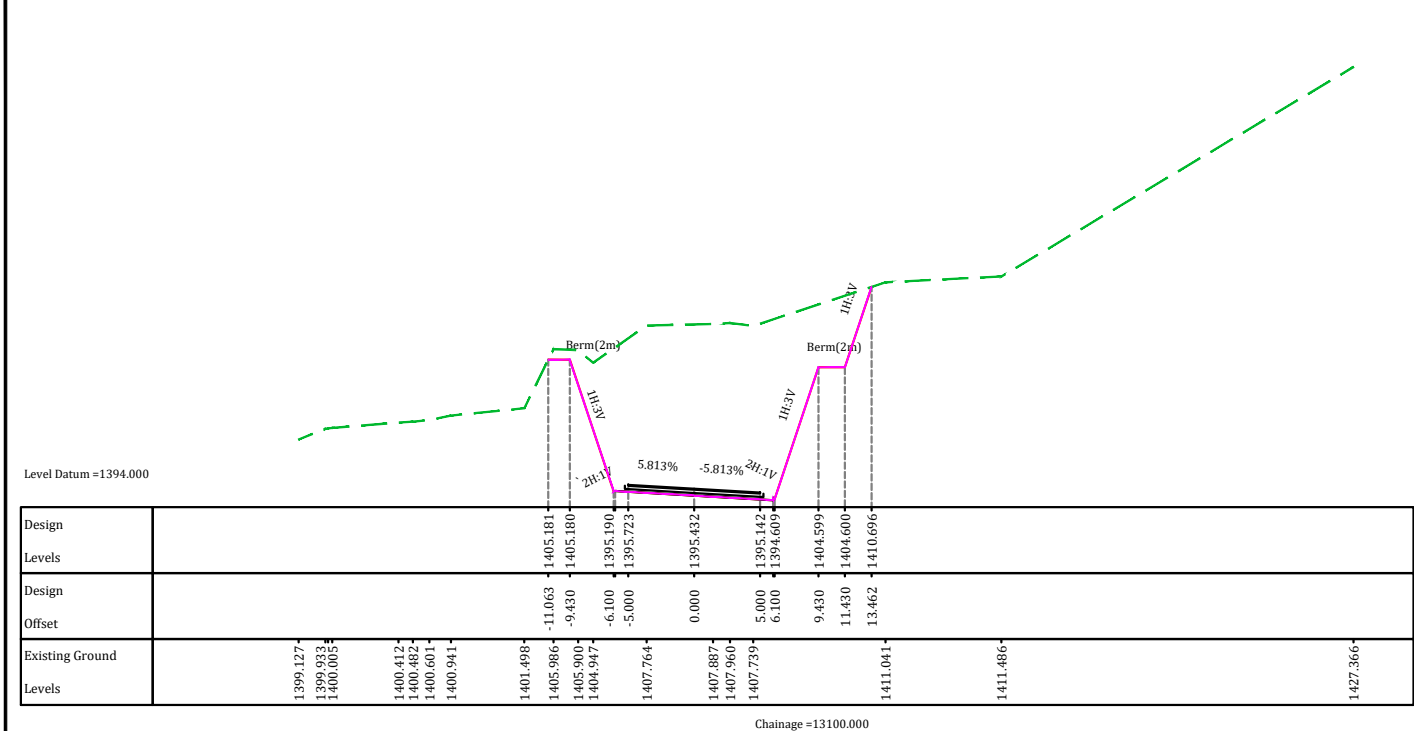
Chainage =12850.000

Level Datum =1392.000

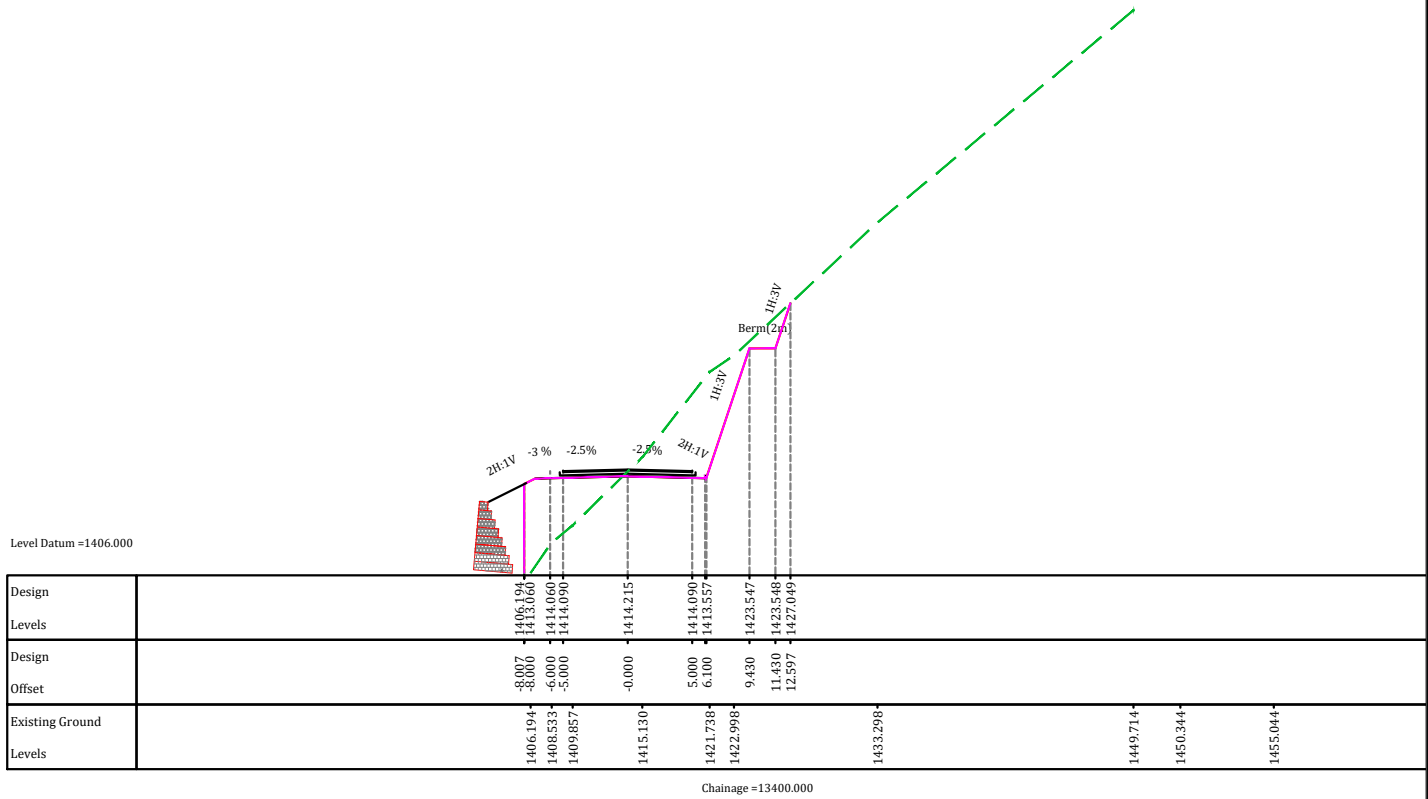
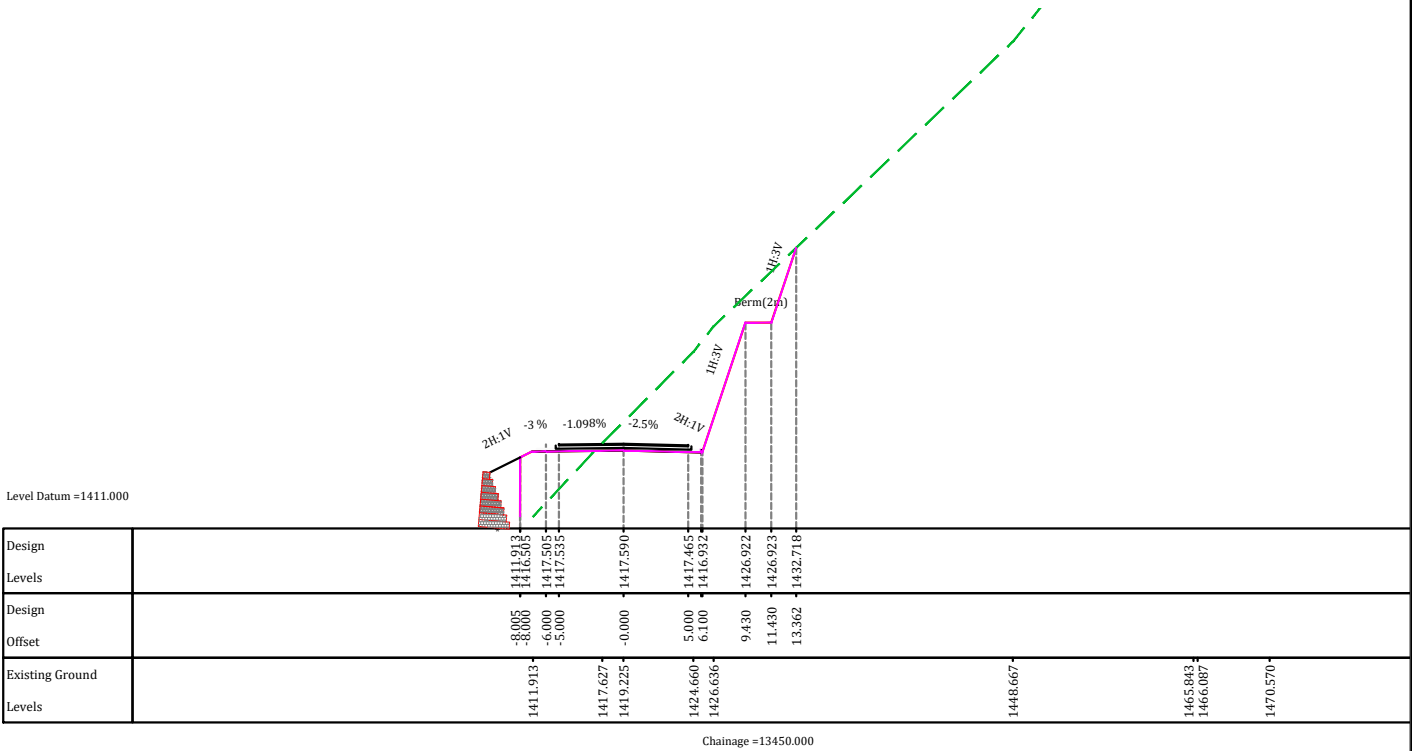
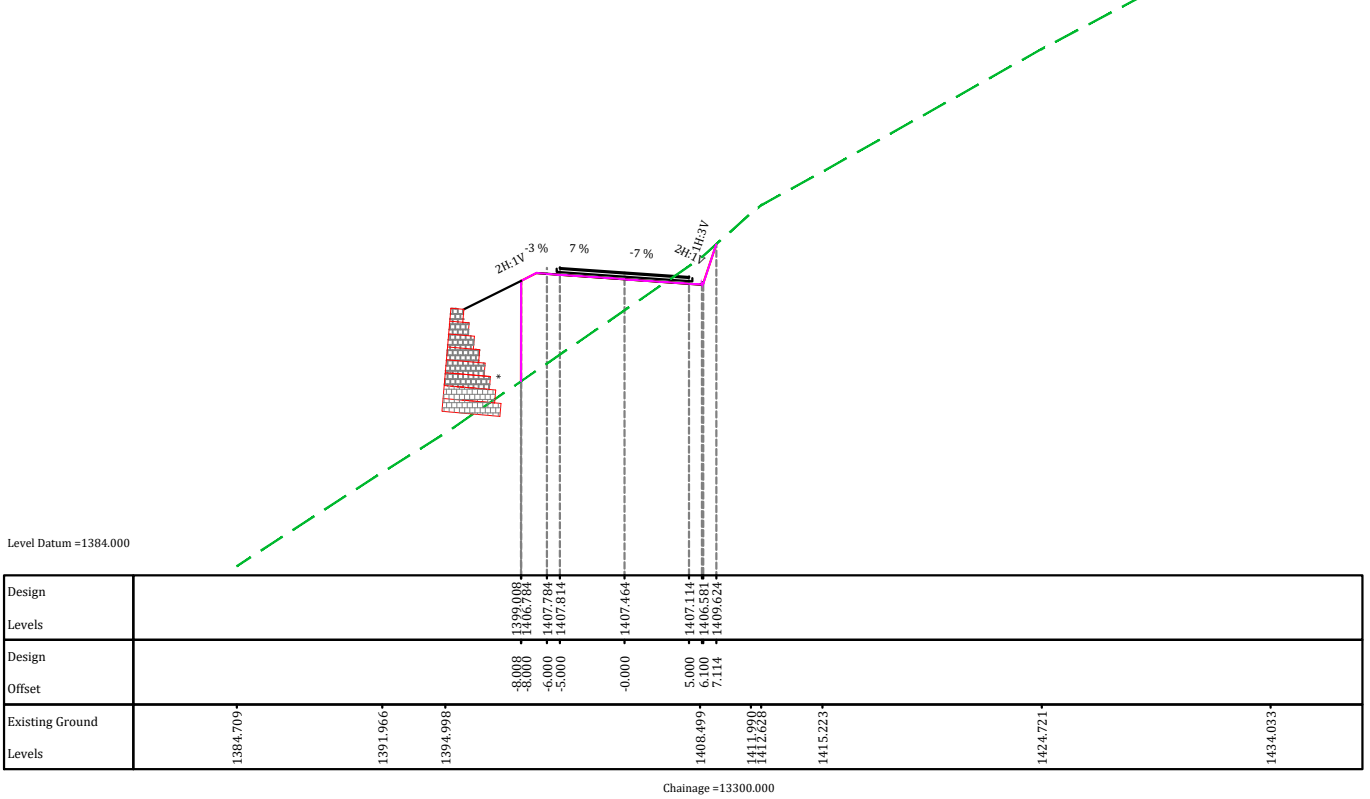
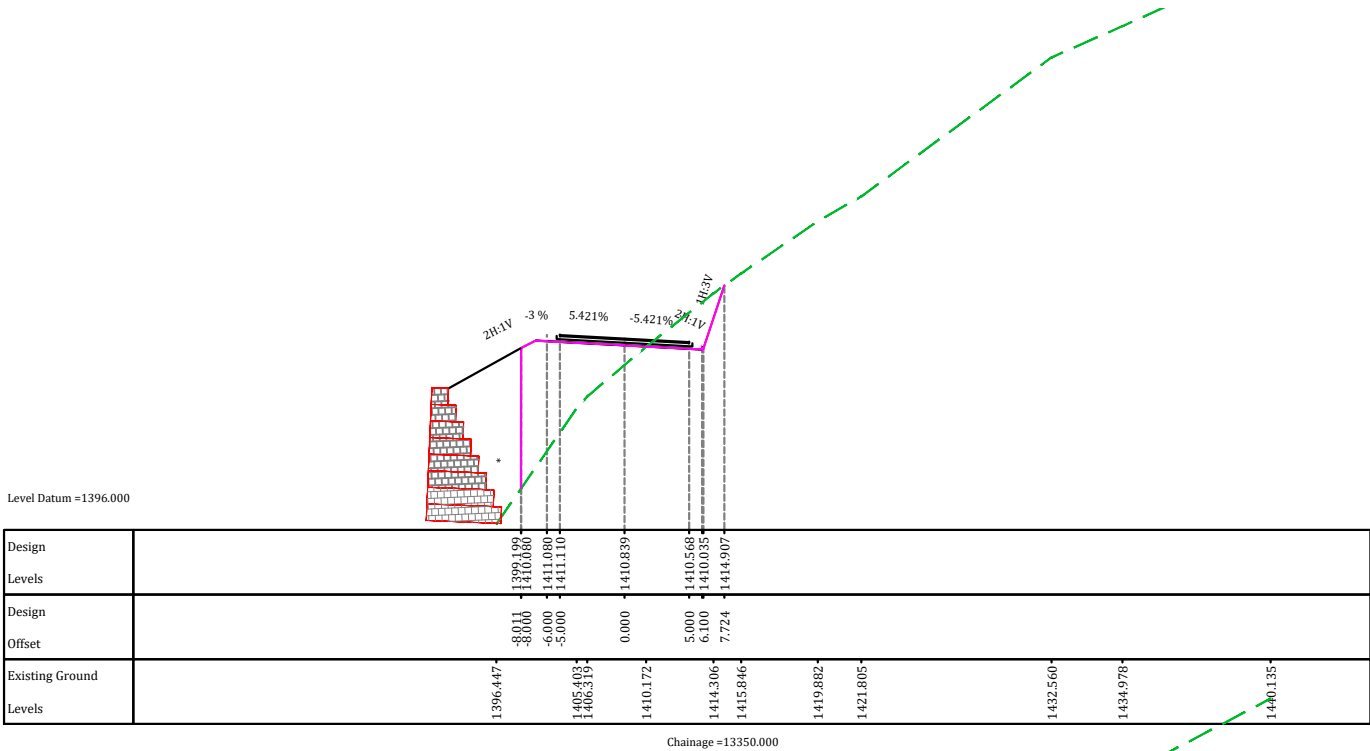
Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =12950.000

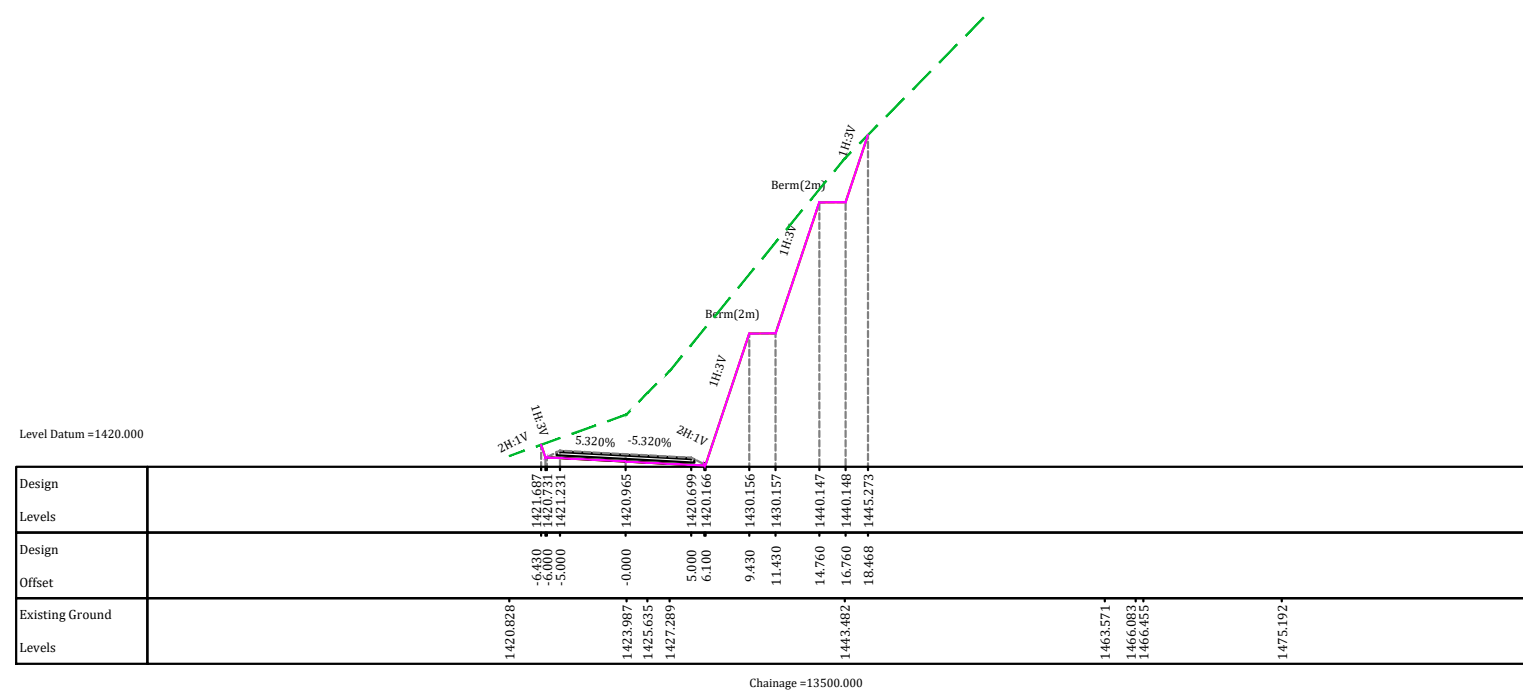
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:	Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS	
R1	April.-2020				Drawn:				
					Checked:		Drawing No.	RCPL-TPF-3-BHC- 01 -R1	
					Approved:				



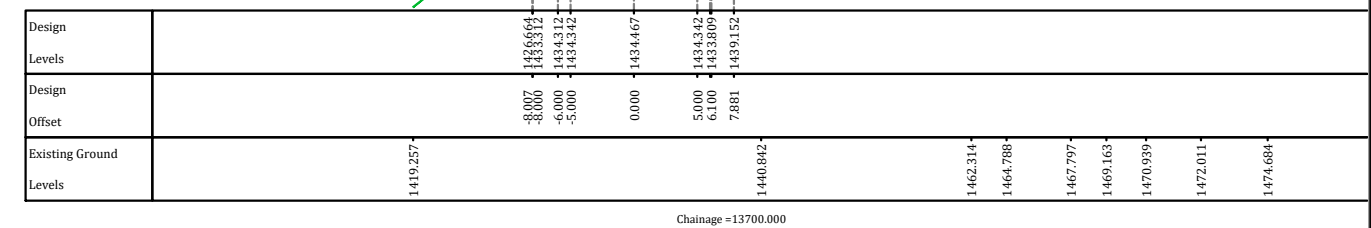
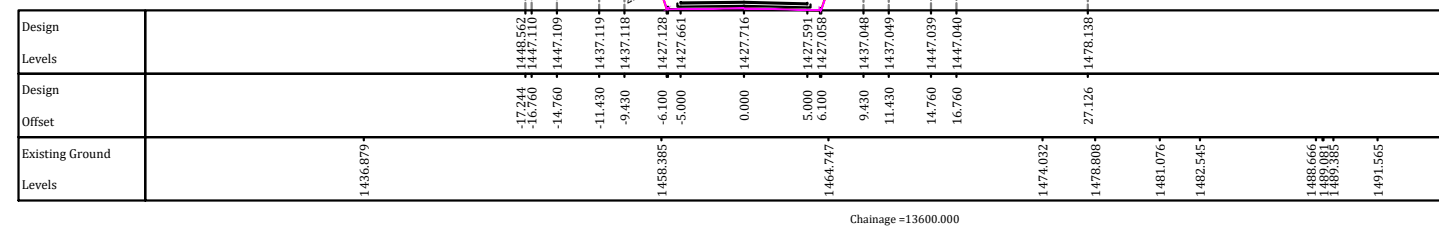
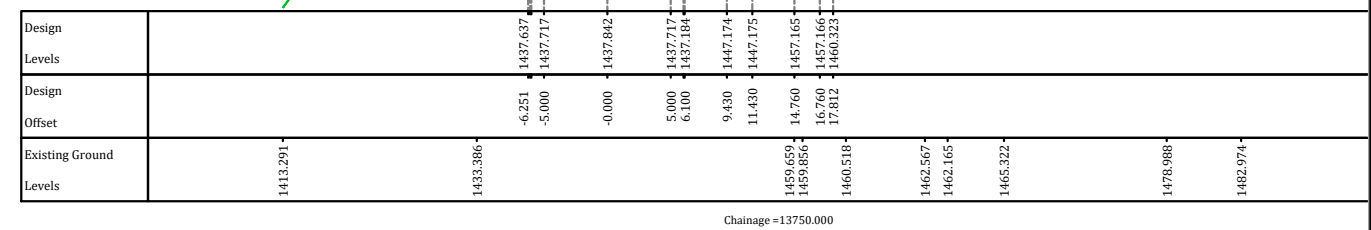
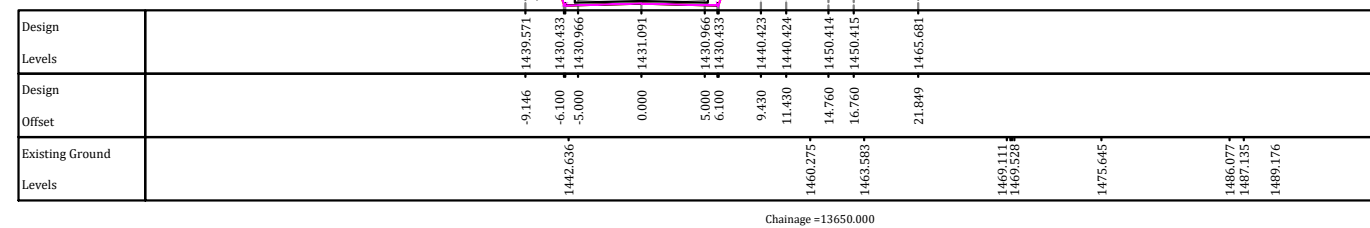
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:	Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020				Drawn:			
					Checked:		Drawing No.	RCPL-TPF-3-BHC- 02-R1
					Approved:			



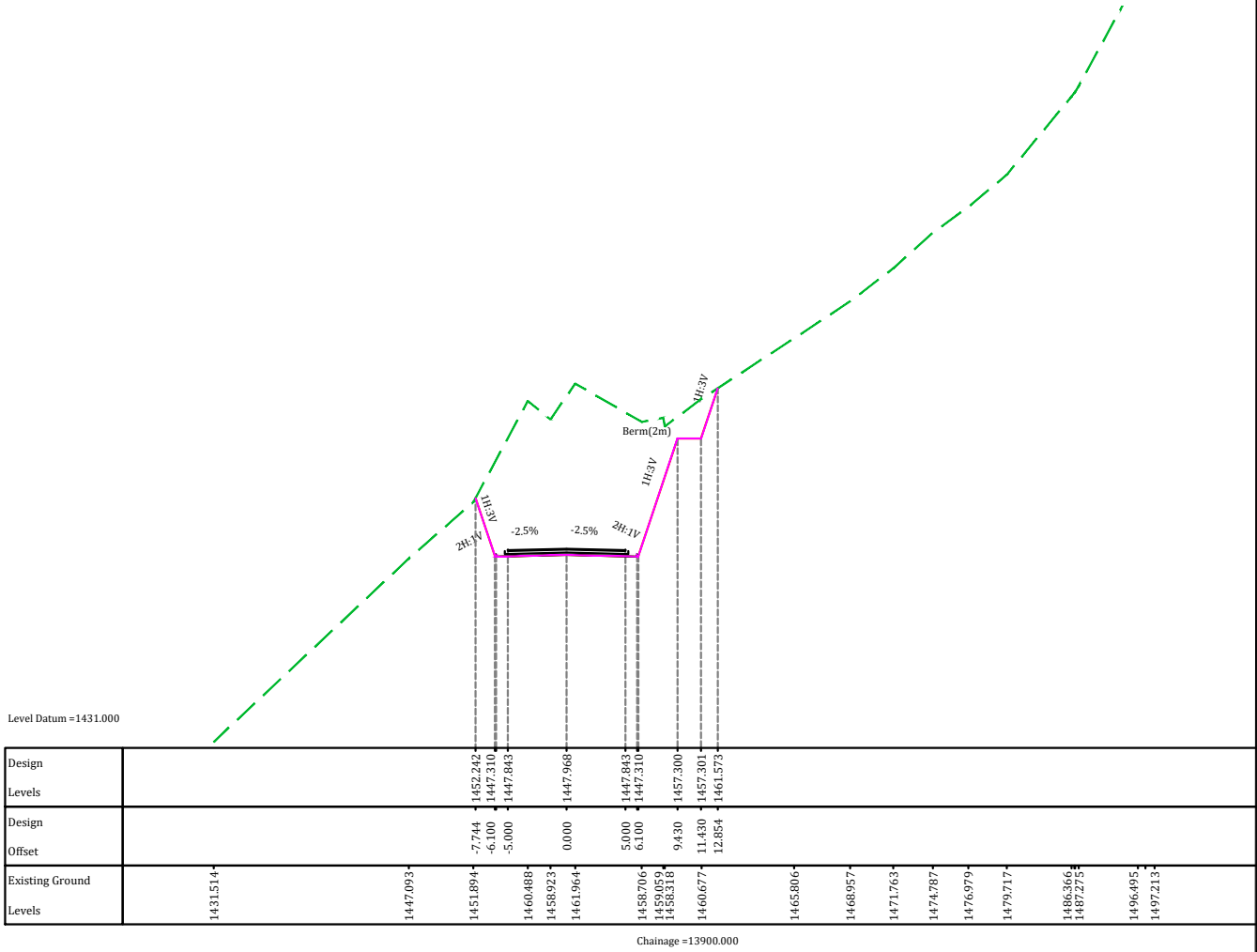
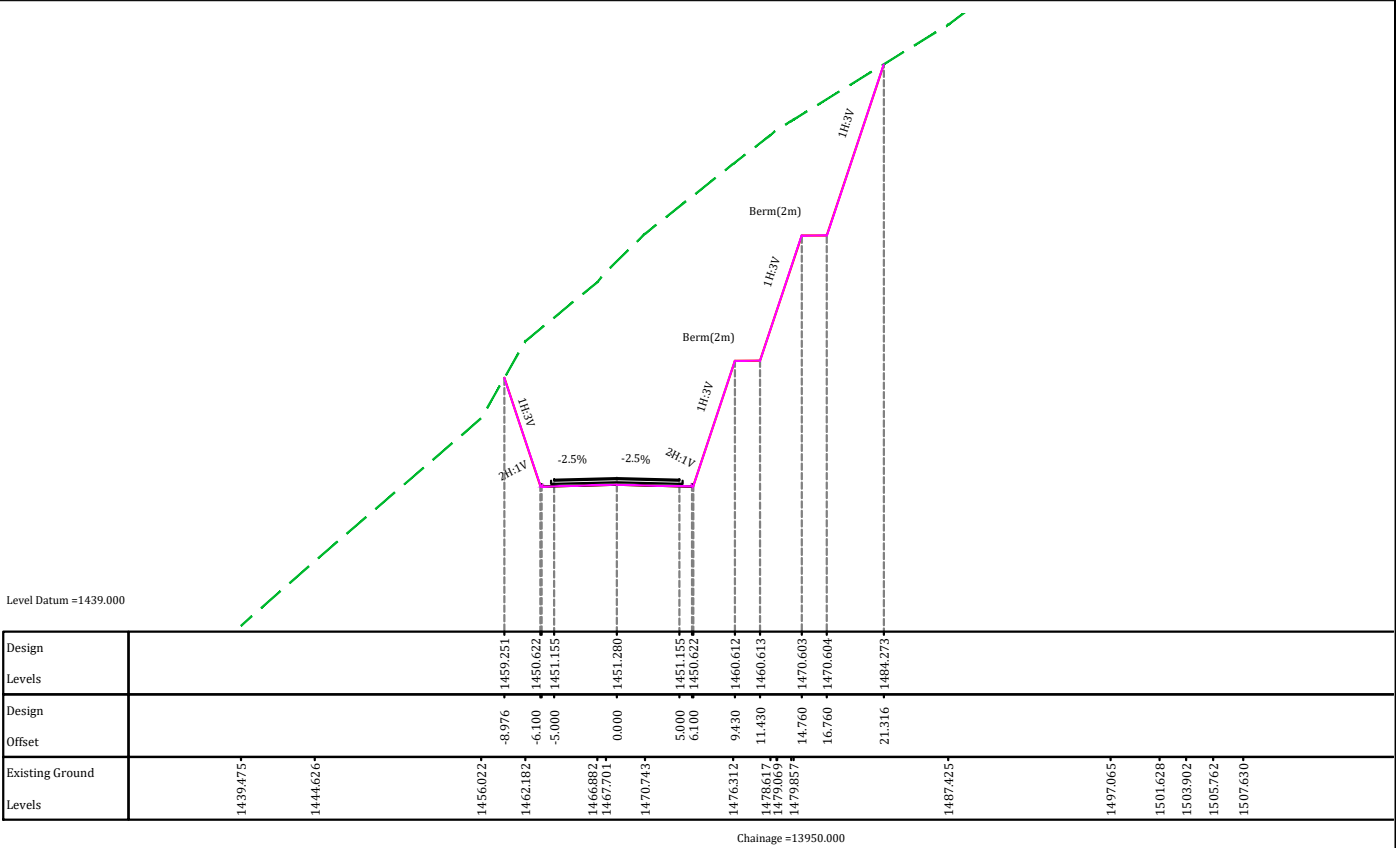
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT				Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Eurostudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA) 	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)					
R1	April.-2020				Designed:		Scale	N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
					Drawn:				Drawing No.	
					Checked:					
					Approved:				RCPL-TPF-3-BHC- 03 -R1	



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT	Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir - (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion, (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		
R1	April.-2020				TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed: Drawn: Checked: Approved:	Scale N.T.S.
						Drawing Title Drawing No.	DETAIL CROSS SECTIONS RCPL-TPF-3-BHC- 04 -R-I



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT				Project	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA) 	Designed:		Scale N.T.S.	Project Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir, (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion, (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.		
R1	April.-2020				Drawn:				Drawing Title	DETAIL CROSS SECTIONS
					Checked: Approved:					
						RCPL-TPF-3-BHC- 05-R1				



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT				Project
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Eurostudios S.L. In Association with  RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	PACKAGE-IA GOHA-KHELLANI				Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenochani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R1	April.-2020				Scale				Drawing Title
					N.T.S.				Drawing No.
							DETAIL CROSS SECTIONS		
							RCPL-TPF-3-BHC- 06 -R1		

Level Datum =1436.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =14050.000

Level Datum =1441.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =14150.000

Level Datum =1439.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =14000.000

Level Datum =1443.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =14100.000

REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION
R0	Oct.-2019	
R1	April.-2020	

CLIENT

NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(MINISTRY OF ROAD TRANSPORT & HIGHWAY)
GOVERNMENT OF INDIA



CONSULTANT:



TPF Getinsa Euroestudios S.L.

In Association with

RODIC CONSULTANTS PVT. LTD.
1, JAI SINGH MARG (FIRST FLOOR), YMCA
CULTURAL CENTRE BUILDING
NEW DELHI - 110001 (INDIA)



FINAL DETAILED PROJECT REPORT
PACKAGE-1A GOHA-KHELANI
(km 12+850 to km 20+300)

Designed:

Drawn:

Checked:

Approved:

Scale

N.T.S.

Project

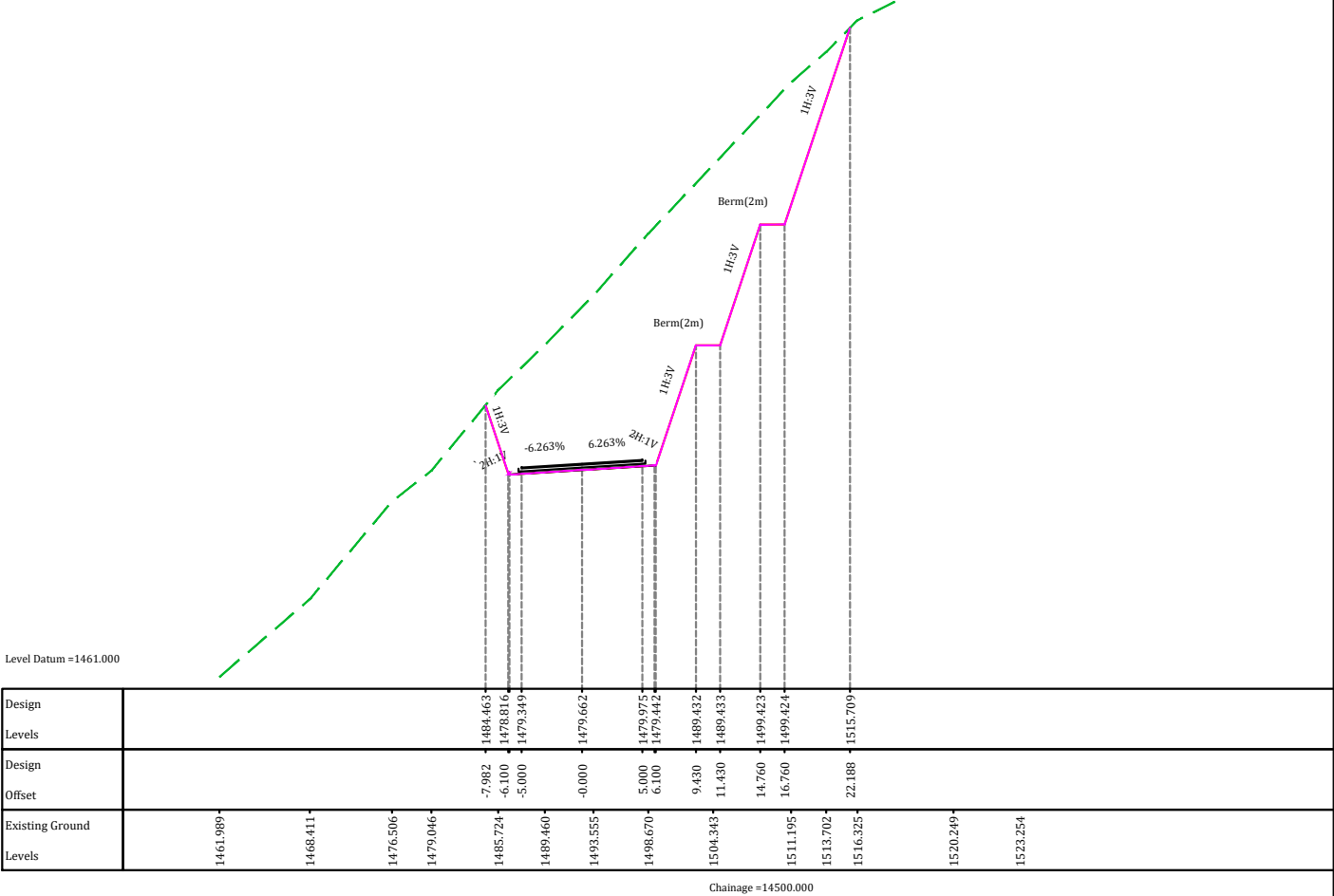
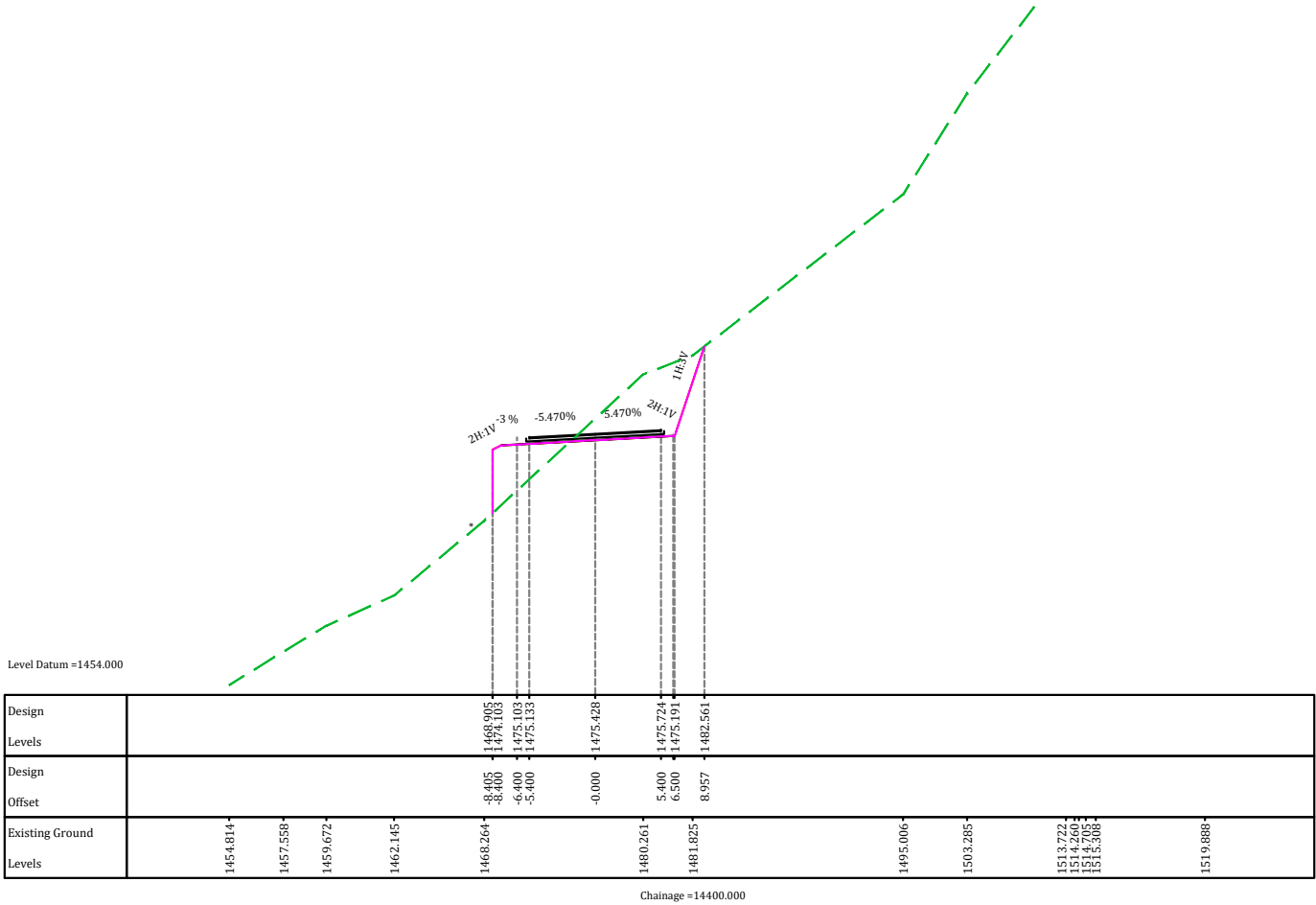
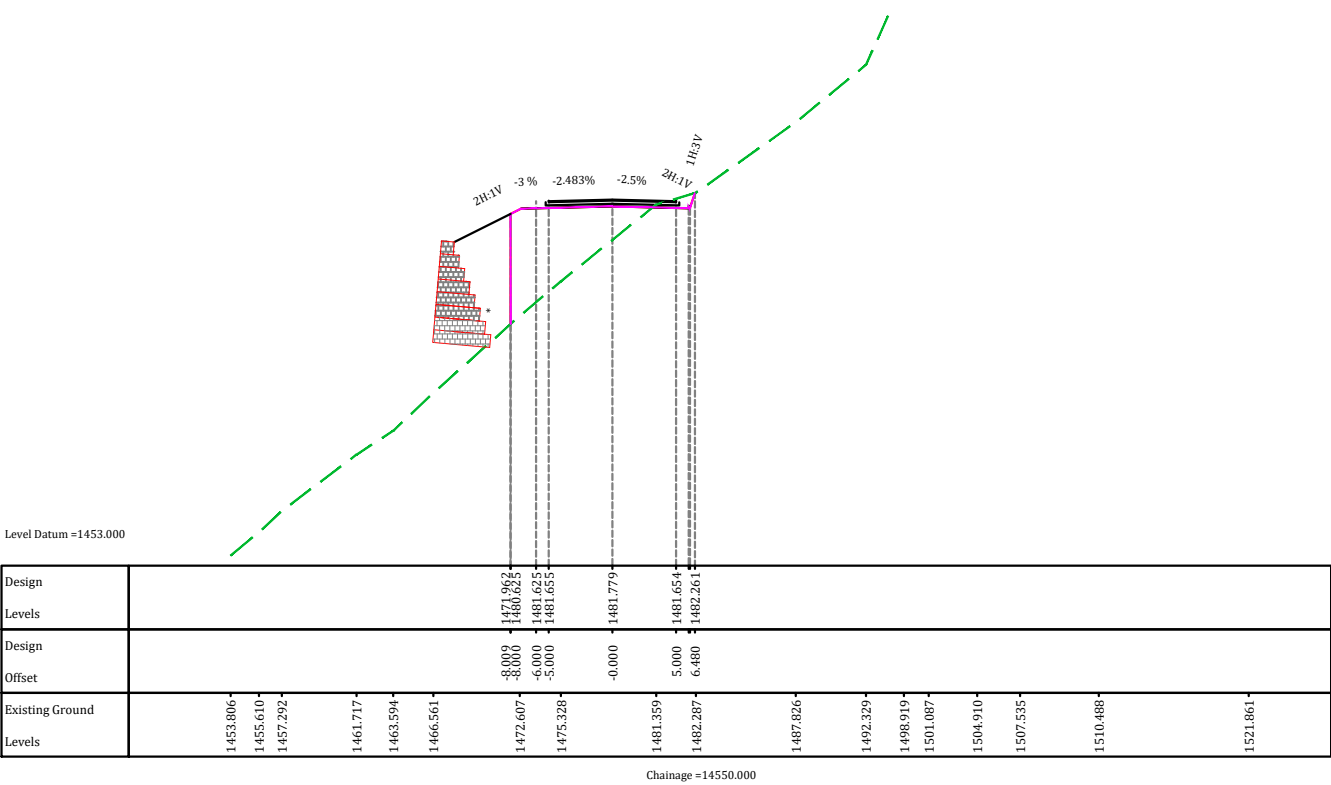
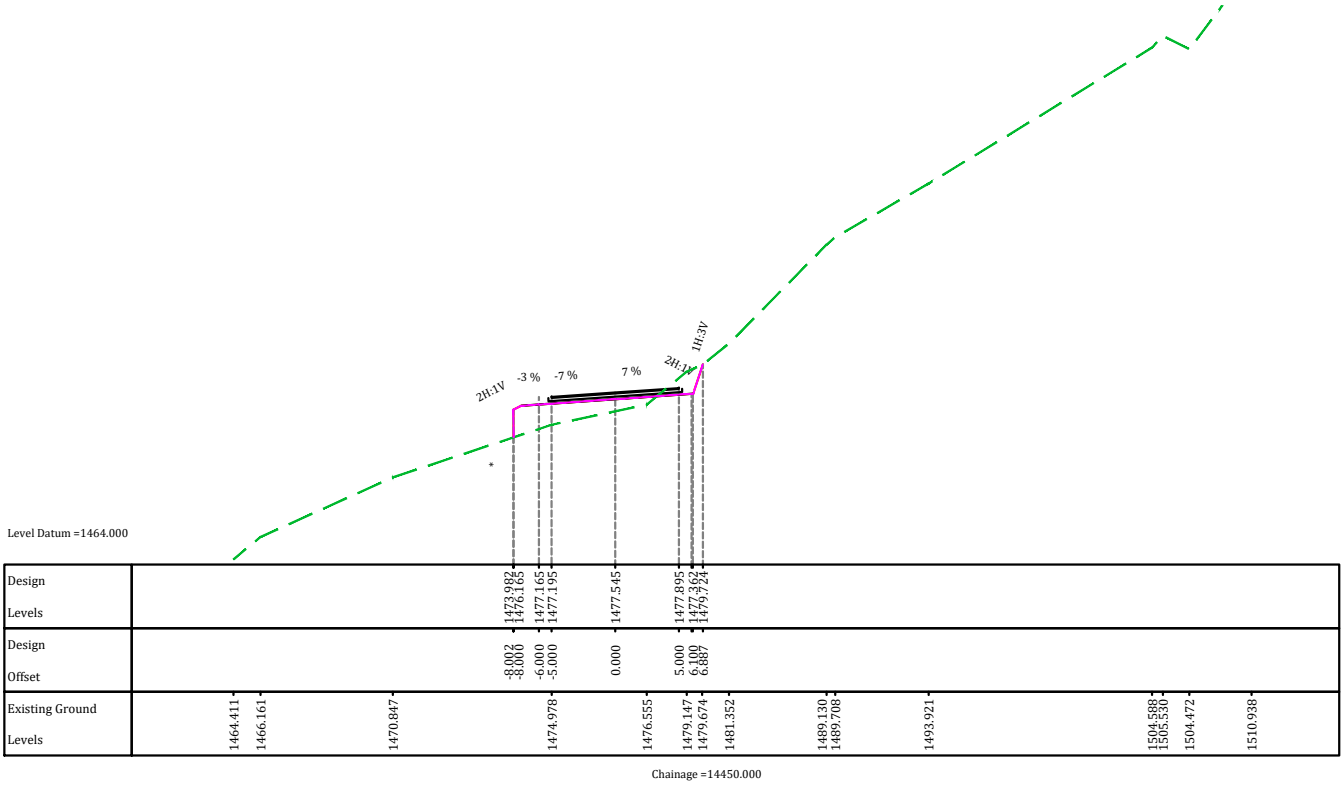
Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.

Drawing Title

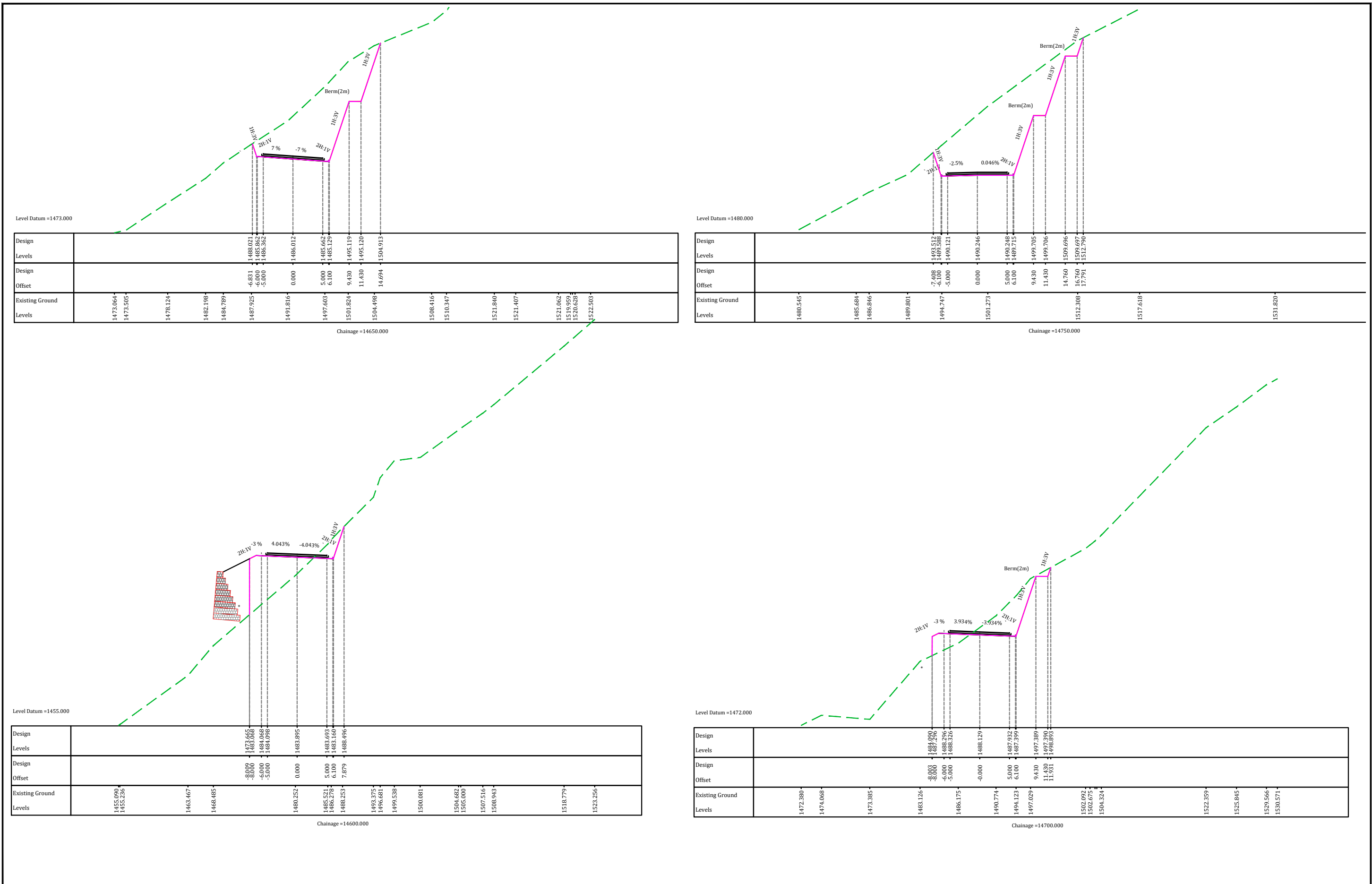
Drawing No.

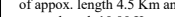
DETAIL CROSS SECTIONS

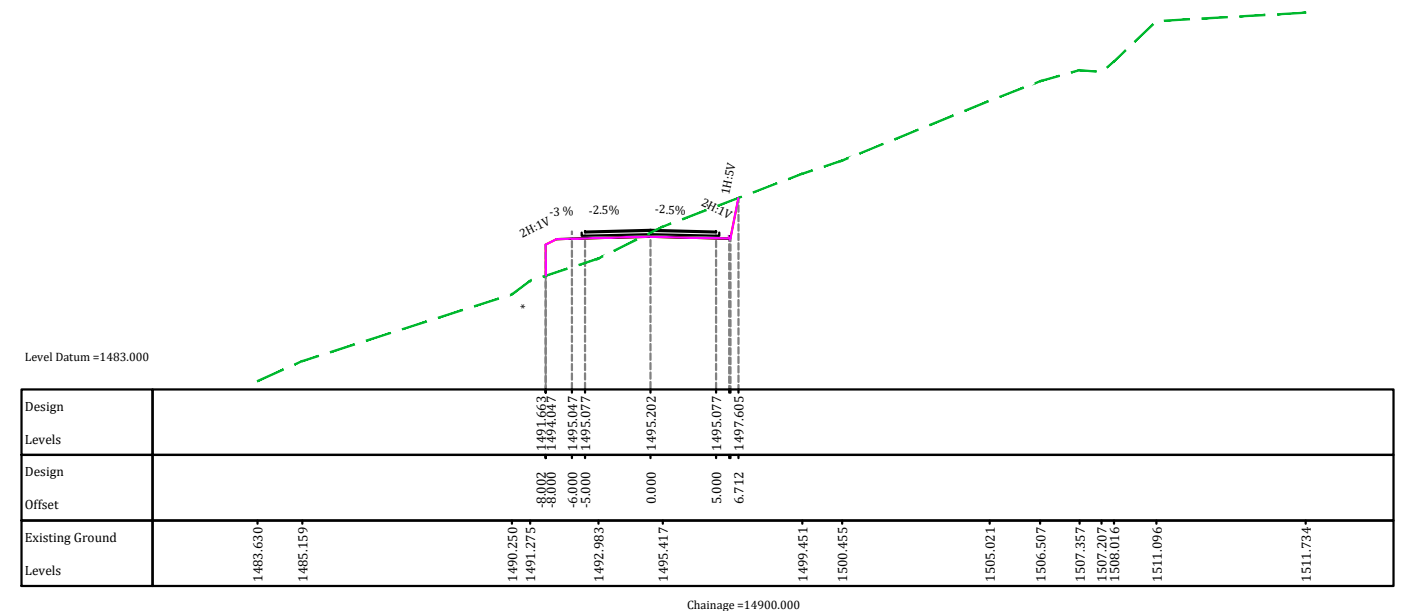
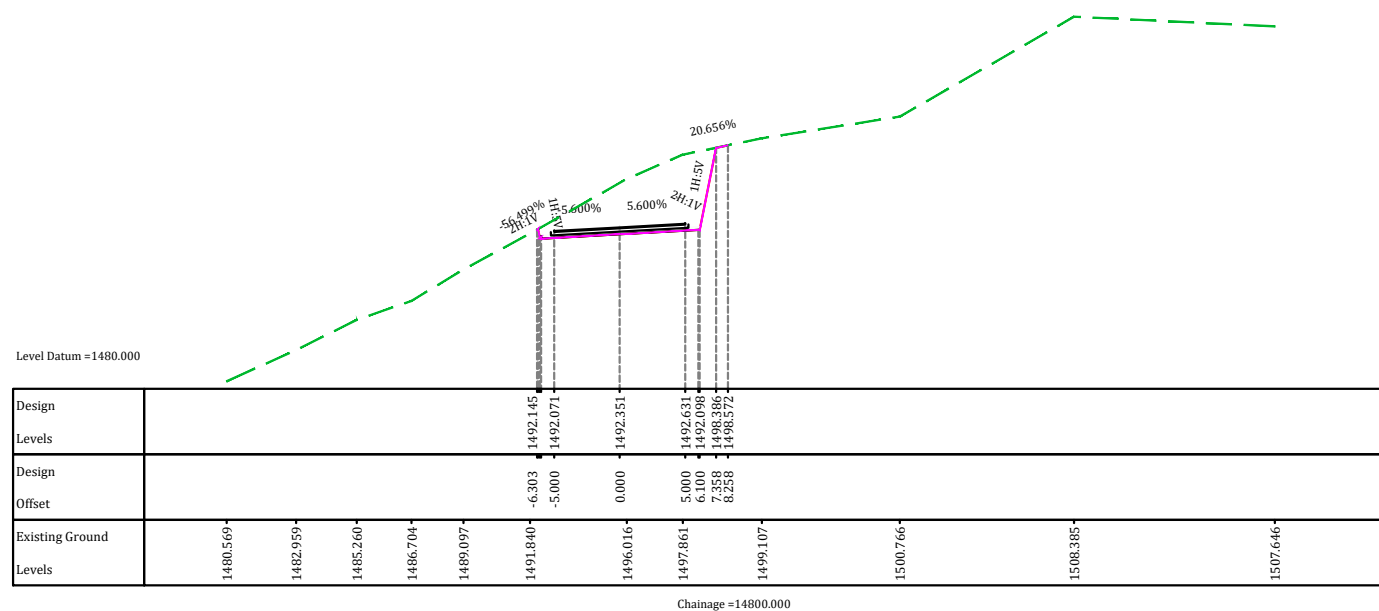
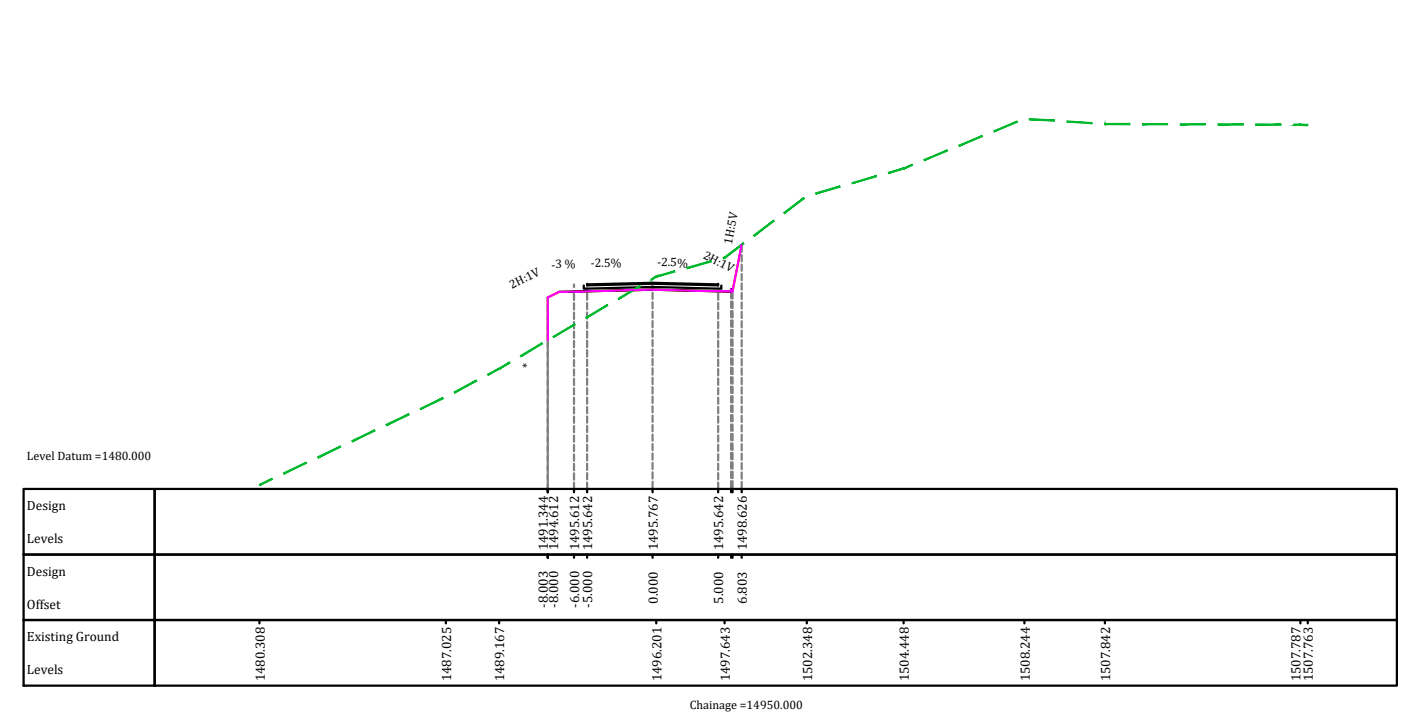
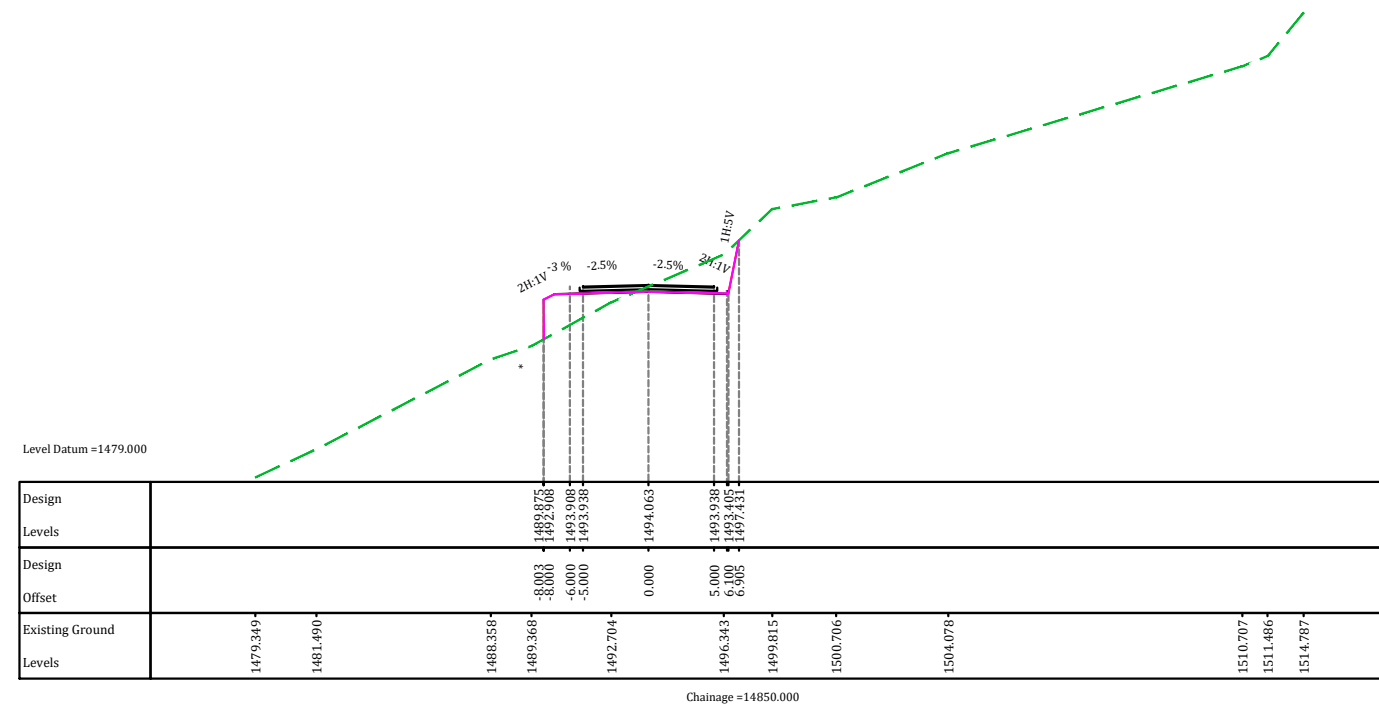
RCPL-TPF-3-BHC-07 -R1



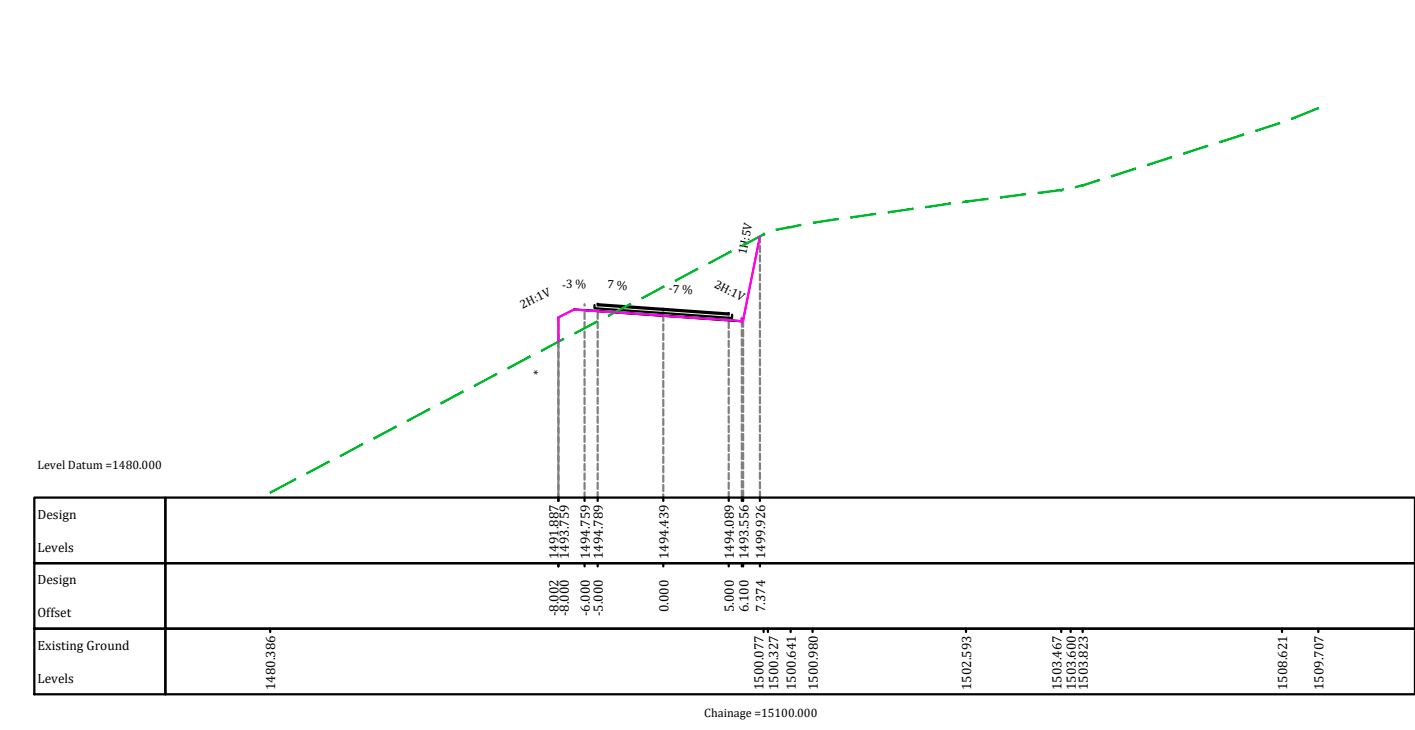
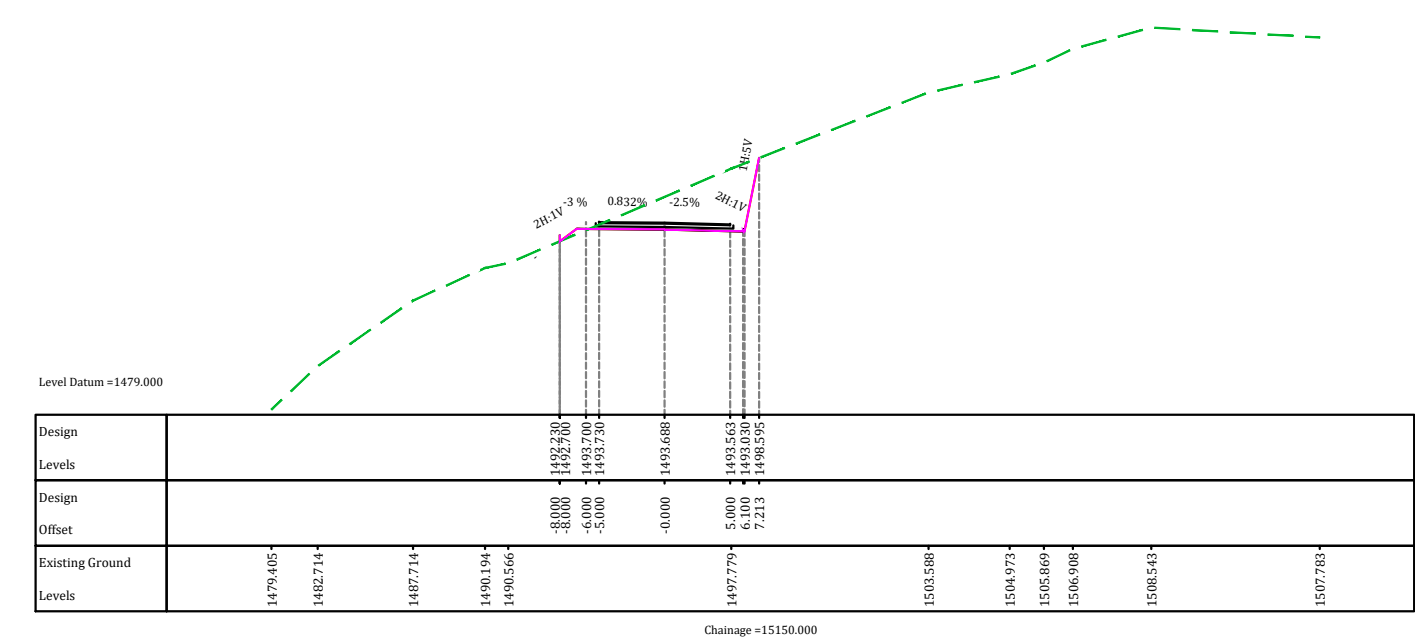
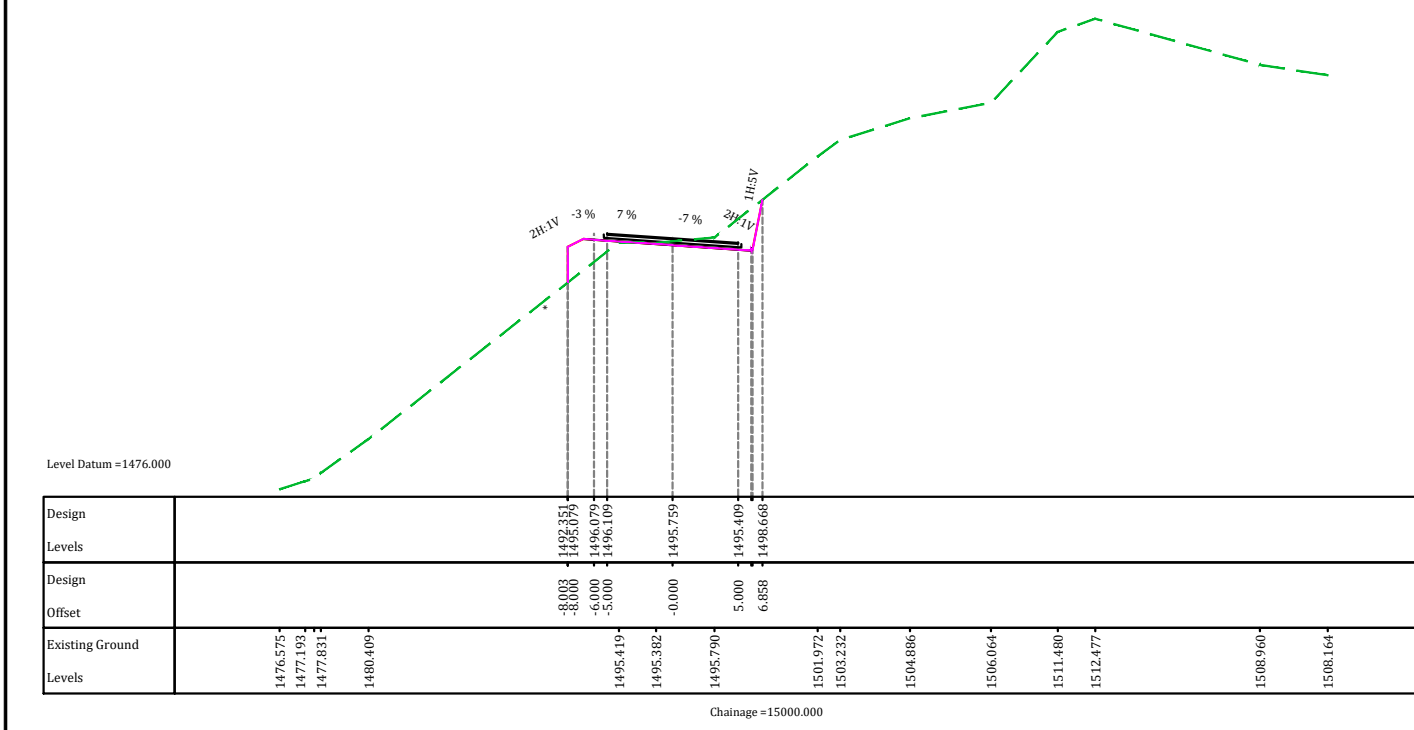
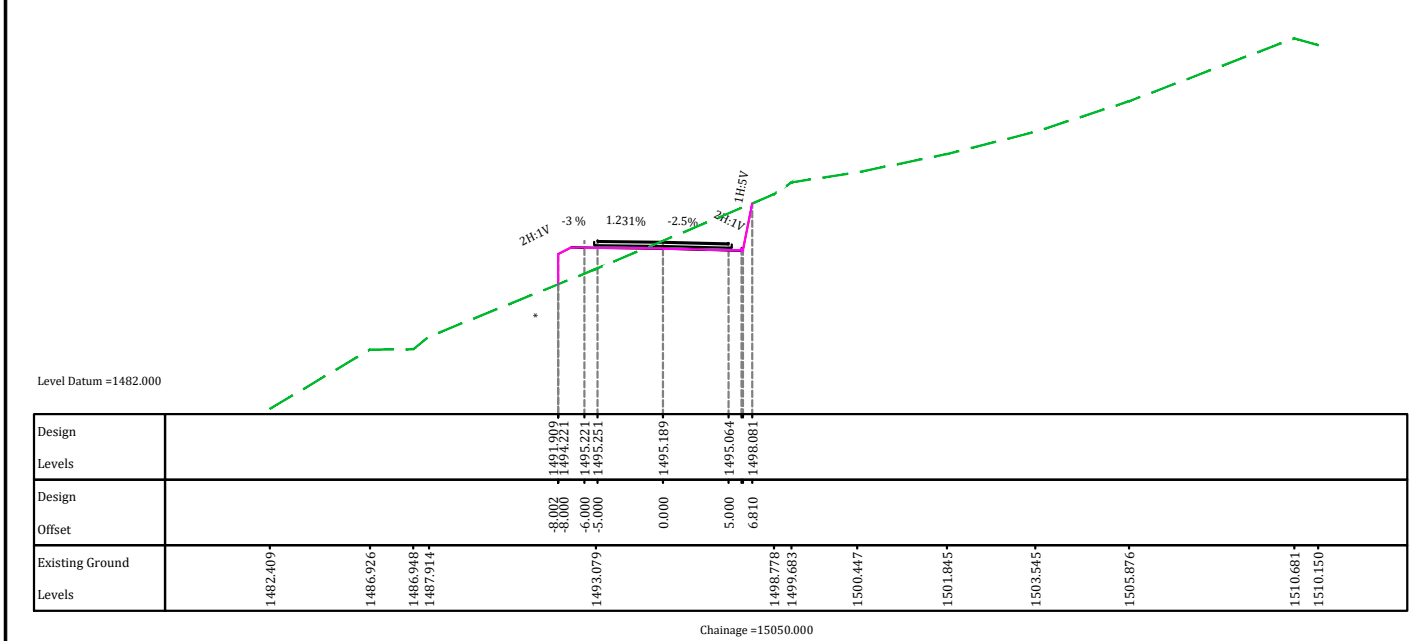
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	Project	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R1	April.-2020					
					Scale N.T.S.	DETAIL CROSS SECTIONS
						Drawing No. RCPL-TPF-3-BHC- 09 -R1



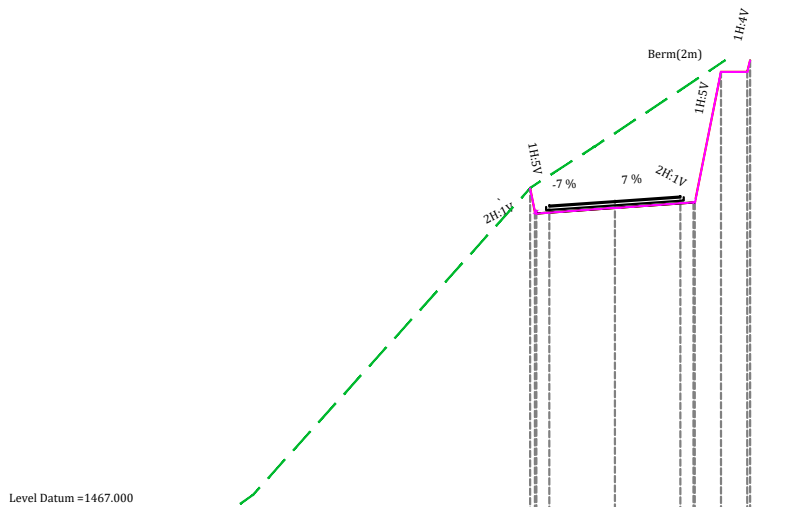
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT				Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.				
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 		TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA) 				Scale		N.T.S.	Drawing Title	DETAIL CROSS SECTIONS	
R1	April.-2020			Designed:		Drawn:		Checked:			Approved:		Drawing No.	RCPL-TPF-3-BHC-10 -R1



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT	Project
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.		PACKAGE-IA GOHA-KHELANI (km 12+850 to km 20+300)	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir: (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion, (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R1	April.-2020		(MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 		Designed: Drawn: Checked: Approved:	Drawing Title Drawing No. DETAIL CROSS SECTIONS
				RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Scale N.T.S.	RCPL-TPF-3-BHC-11 -R1

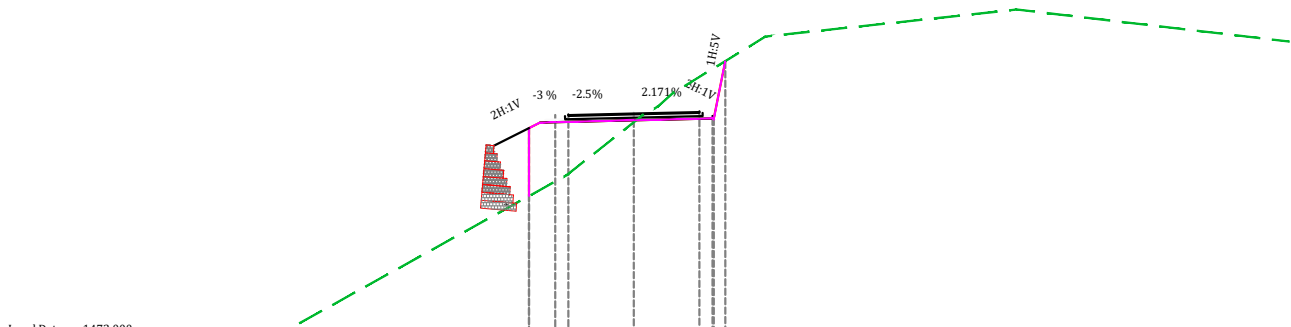


REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:	Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020				Drawn:			
					Checked:			
					Approved:			
							Drawing No.	RCPL-TPF-3-BHC- 12 -R1



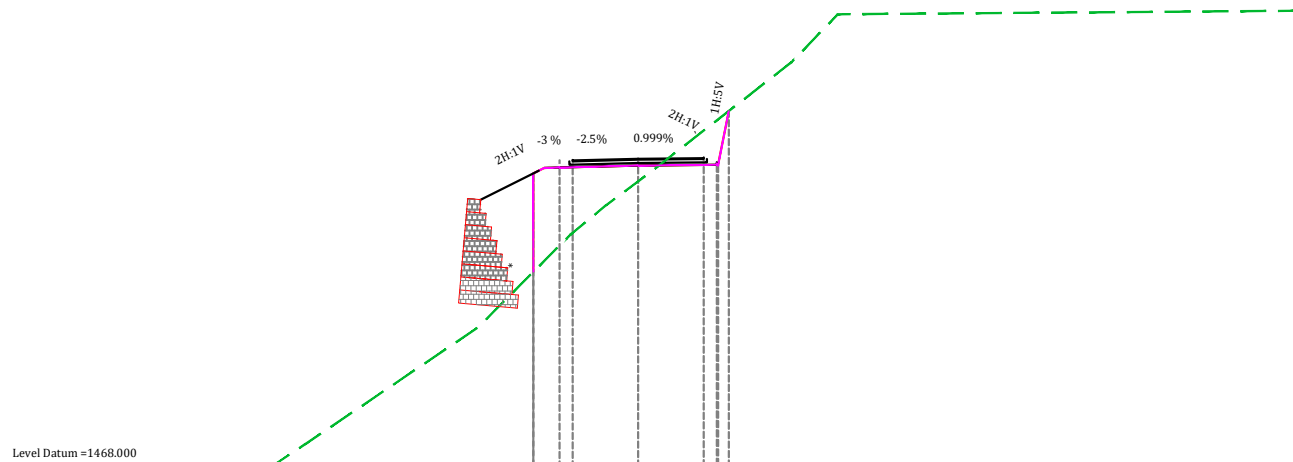
Design Levels		1493.140	1491.837	1492.187	1492.537	1502.004	1502.005	1502.889
Design Offset		-6.467	-5.000	0.000	5.000	8.100	10.100	16.321
Existing Ground Levels	1467.140 1468.937 1469.724	1493.190	1496.315			1502.889		

Chainage =15250.000



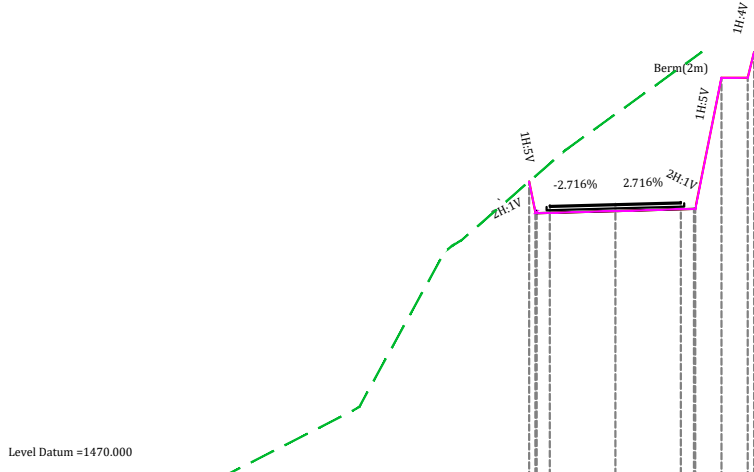
Design Levels		1488.633	1488.633	1489.819	1490.849	1490.974	1491.082	1490.549	1491.528
Design Offset		-8.005	-6.000	-5.000	0.000	5.000	6.100	6.976	
Existing Ground Levels	1472.452	1486.222		1490.849	1492.520		1496.805	1498.862	1496.421

Chainage =15350.000



Design Levels		1484.267	1491.783	1492.783	1492.813	1492.938	1492.988	1492.455	1496.544
Design Offset		-8.008	-8.000	-6.000	-5.000	0.000	5.000	6.100	6.918
Existing Ground Levels	1468.080 1471.125	1480.028	1487.108	1489.361	1491.558		1500.274	1503.922	1504.189

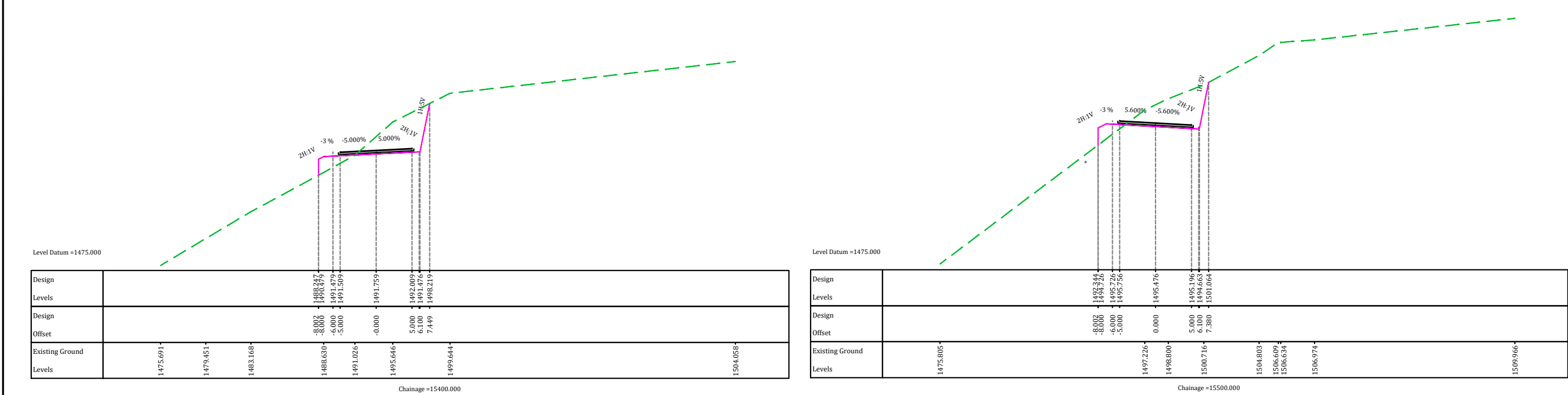
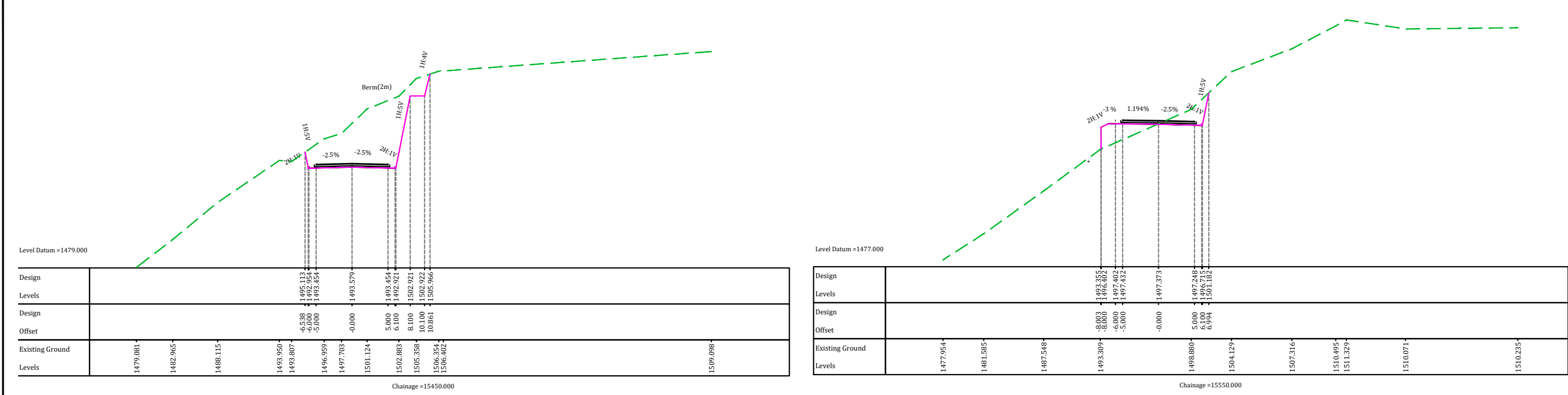
Chainage =15200.000



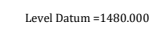
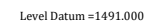
Design Levels		1493.133	1490.801	1491.501	1491.436	1491.572	1491.039	1501.039	1501.040
Design Offset		-6.573	-6.000	-5.000	-0.000	5.000	6.100	8.100	10.100
Existing Ground Levels	1470.589	1475.496 1475.916	1487.787 1488.613	1495.502		1503.006			

Chainage =15300.000

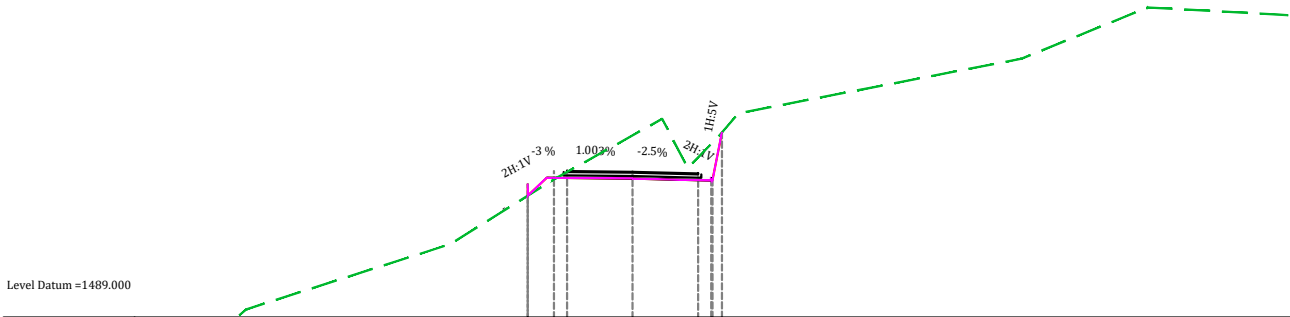
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:	Scale		
R1	April.-2020				Drawn:	N.T.S.		Drawing Title
					Checked:			Drawing No.
					Approved:			RCPL-TPF-3-BHC- 13 -R1



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:	Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020				Drawn:			
					Checked:		Drawing No.	RCPL-TPF-3-BHC- 14 -R1
					Approved:			

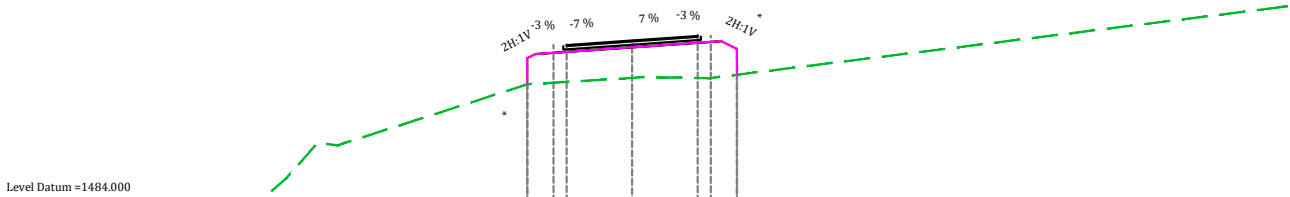
Chainage =15650.000Chainage =15750.000Chainage =15600.000Chainage = 15700.000

REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	TPF Getinsa Euroestudios S.L.	FINAL DETAILED PROJECT REPORT PACKAGE-IA GOHA-KHELANI (km 12+850 to km 20+300)	Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km – Sudhmahadev to Chetan; (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA		In Association with			
R1	April.-2020		 NHAI NATIONAL HIGHWAY AUTHORITY OF INDIA	 Rodici	RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed: Drawn: Checked: Approved:	Scale N.T.S.	Drawing Title Drawing No.
								DETAIL CROSS SECTIONS RCPL-TPF-3-BHC- 15 -R1



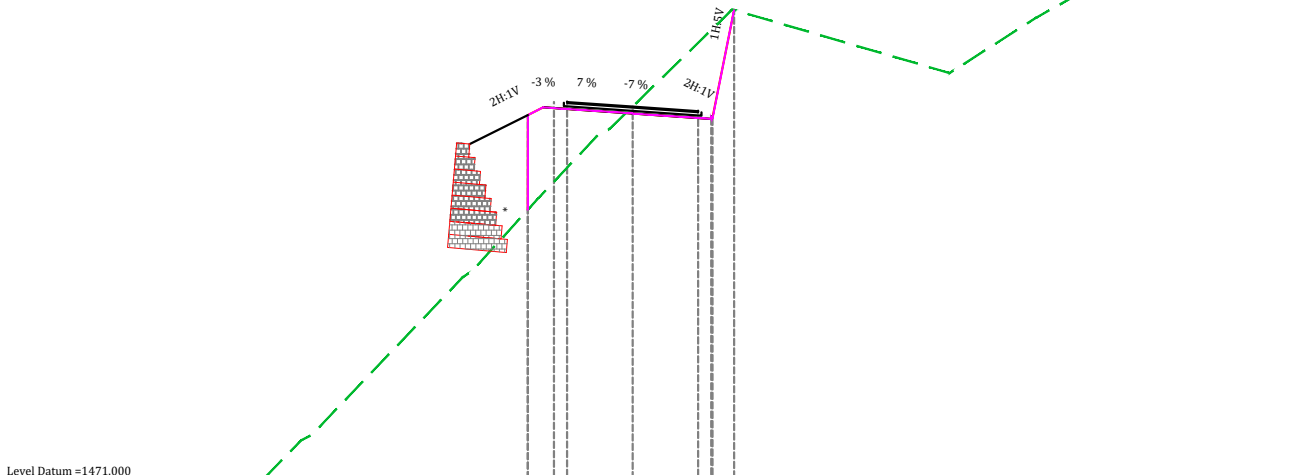
Design	
Levels	1488.924 1489.791 1490.177 1490.207
Design	
Offset	-8.000 -6.000 -5.000 -0.000 5.000 6.924
Existing Ground	1488.186 1489.623 1490.094
Levels	1494.602 1499.596 1504.160 1508.743 1512.656 1512.069

Chainage = 15850.000



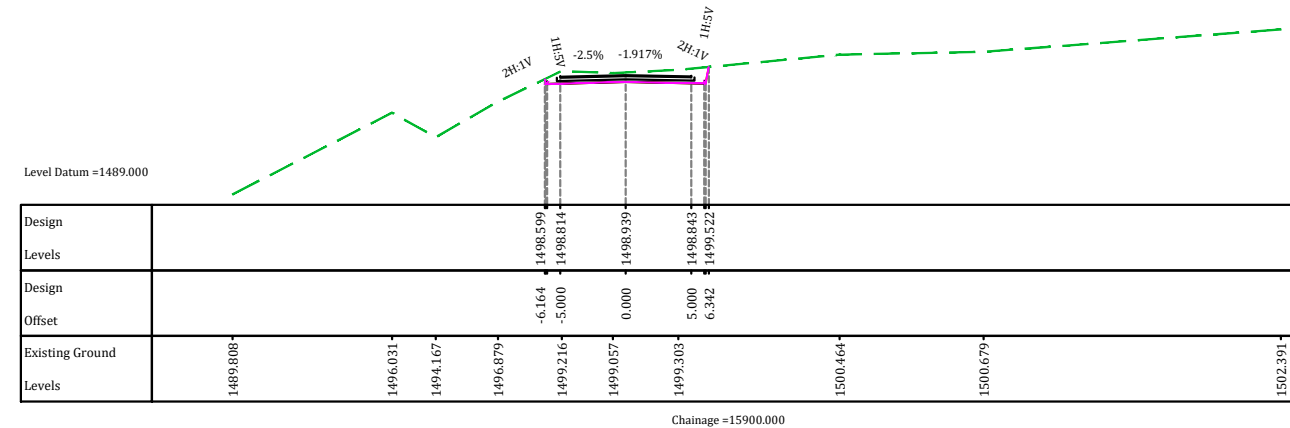
Design	
Levels	1494.338 1496.341 1497.371
Design	
Offset	-8.002 -6.000 -5.000 -0.000 5.000 6.000 8.000
Existing Ground	1484.088 1487.134 1489.887 1489.689 1489.829
Levels	1494.343 1494.898 1494.801 1500.292

Chainage = 15950.000



Design	
Levels	1493.493 1493.493 1501.672 1501.352
Design	
Offset	-8.007 -8.000 -5.000 -0.000 5.000 6.100 7.744
Existing Ground	1471.047 1475.886 1476.259 1488.323 1488.745 1494.349 1499.114 1499.610 1508.729 1503.874 1508.105 1514.112 1514.396 1514.457 1516.323
Levels	

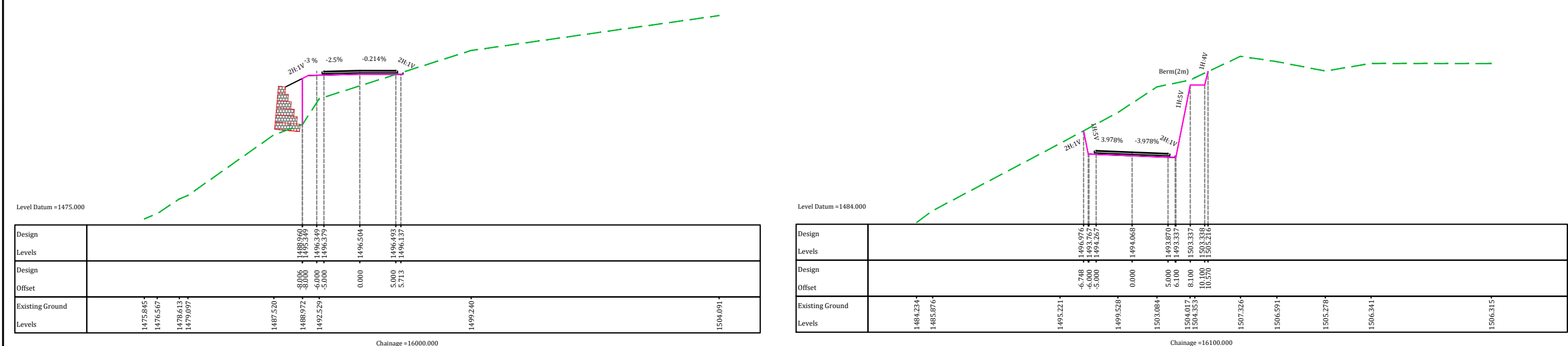
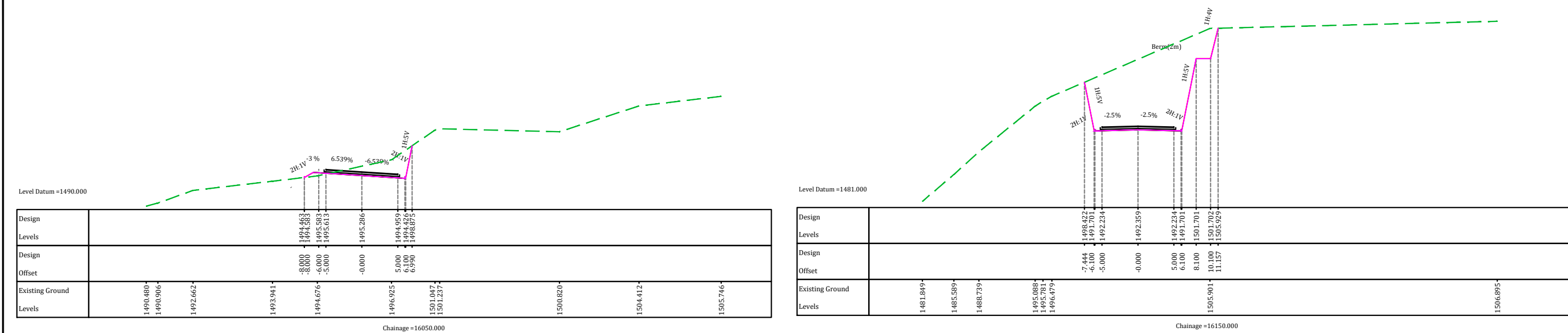
Chainage = 15800.000



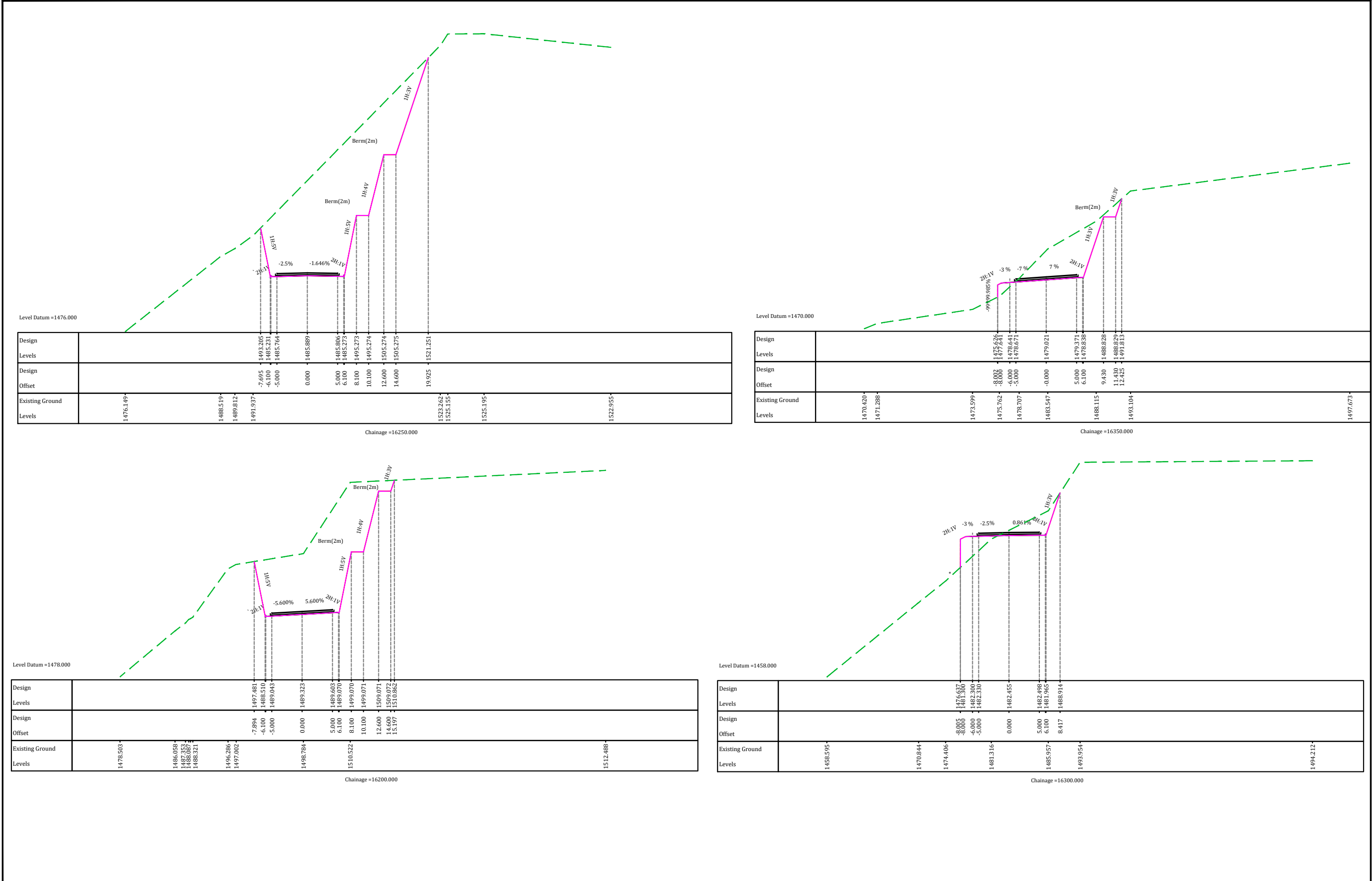
Design	
Levels	1498.599 1498.814
Design	
Offset	-6.164 -5.000 0.000 5.000 6.342
Existing Ground	1489.808 1496.031 1494.167 1496.879 1499.216 1499.057 1499.303 1500.464 1500.679 1502.391
Levels	

Chainage = 15900.000

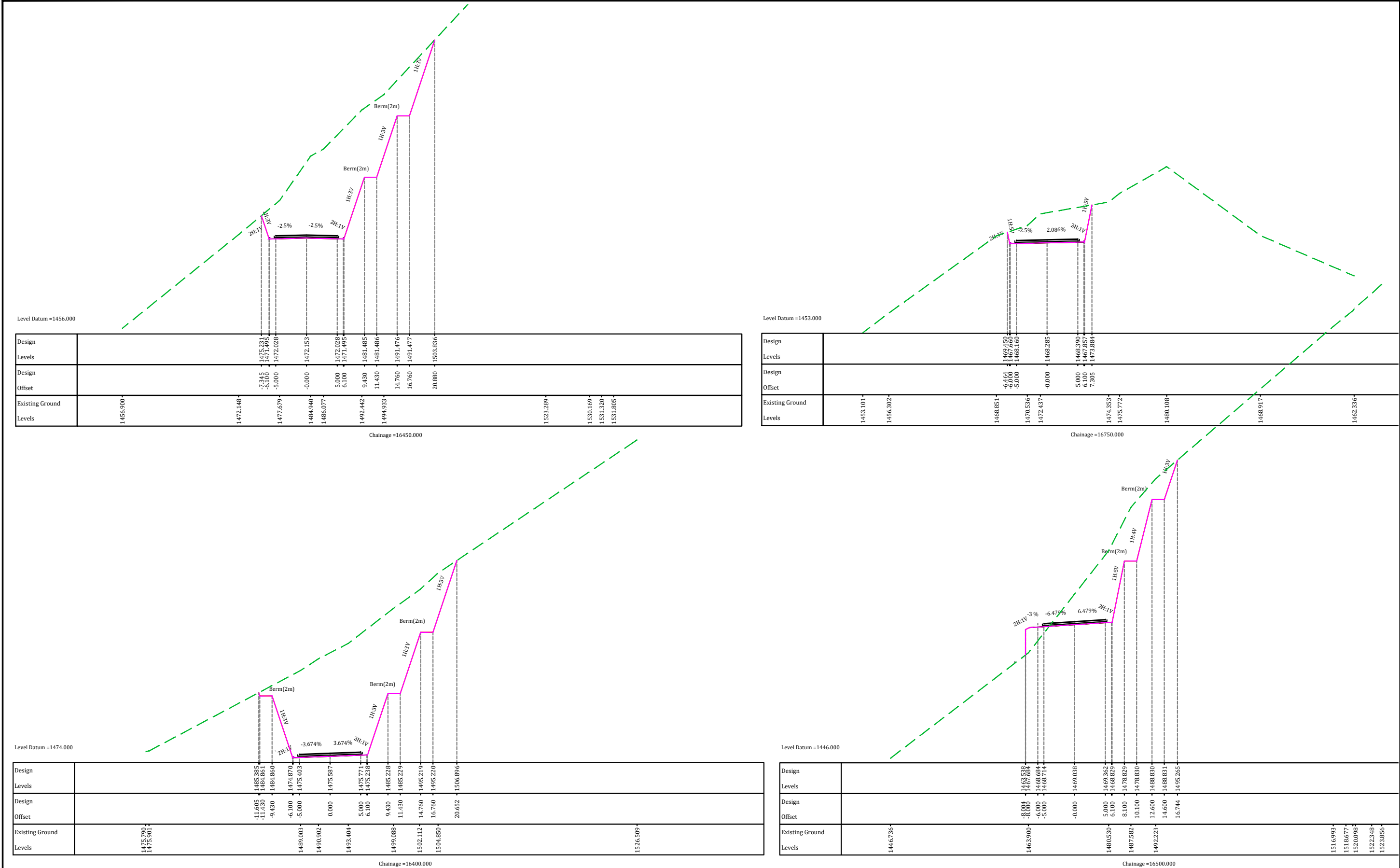
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT	Project	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	
R1	April.-2020				Scale N.T.S.	
					Drawing Title DETAIL CROSS SECTIONS	Drawing No. RCPL-TPF-3-BHC-16 -R1



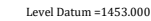
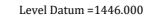
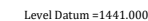
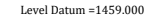
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT			Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of appox. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of appox length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA) 	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)				
R1	April.-2020				Designed:	Scale N.T.S.	Drawing Title		
					Drawn:			Drawing No.	
					Checked:				
			Approved:						



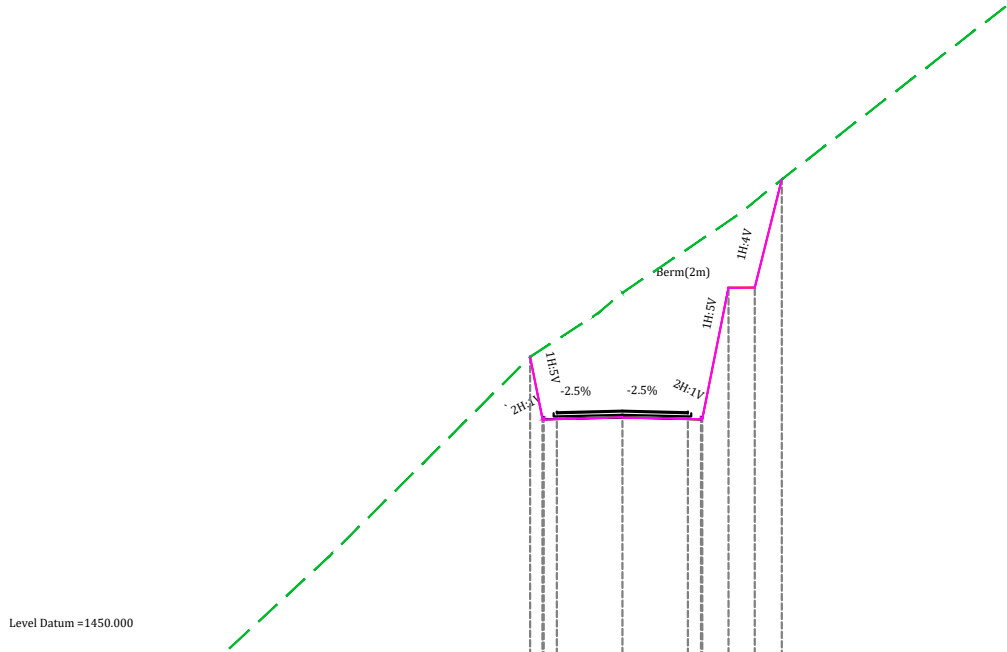
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT				Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)						
R1	April.-2020				Designed:		Scale	N.T.S.	Drawing Title		
					Drawn:				Drawing No.		RCPL-TPF-3-BHC- 18 -R1
			Checked:								
			Approved:								



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Scale N.T.S.		Drawing Title	DETAIL CROSS SECTIONS	
R1	April.-2020							Drawing No.	RCPL-TPF-3-BHC- 19 -R1

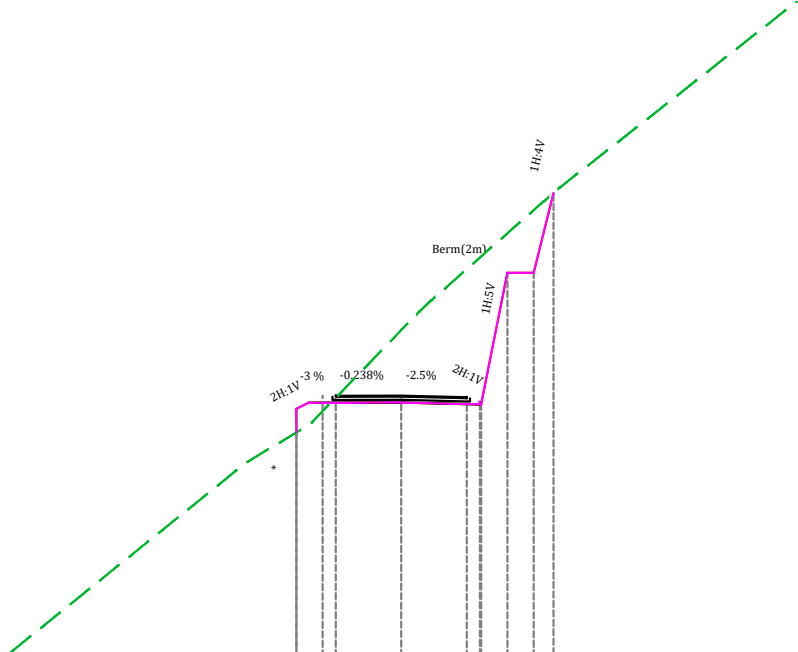


REVISION	DATE	AMENDMENT / ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT		Project					
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA) 	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300) Designed: Drawn: Checked: Approved:		Scale	N.T.S.	Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir - (i) Drungta Tunnel – Drungta Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion, (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Kananahal road portion & the extended road section from Gohra side approach road of Sudhmahadev Drungta tunnel upto Khellani town.		
R1	April.-2020										Drawing Title	DETAIL CROSS SECTIONS
											Drawing No.	RCPL-TPF-3-BHC-20 -R1



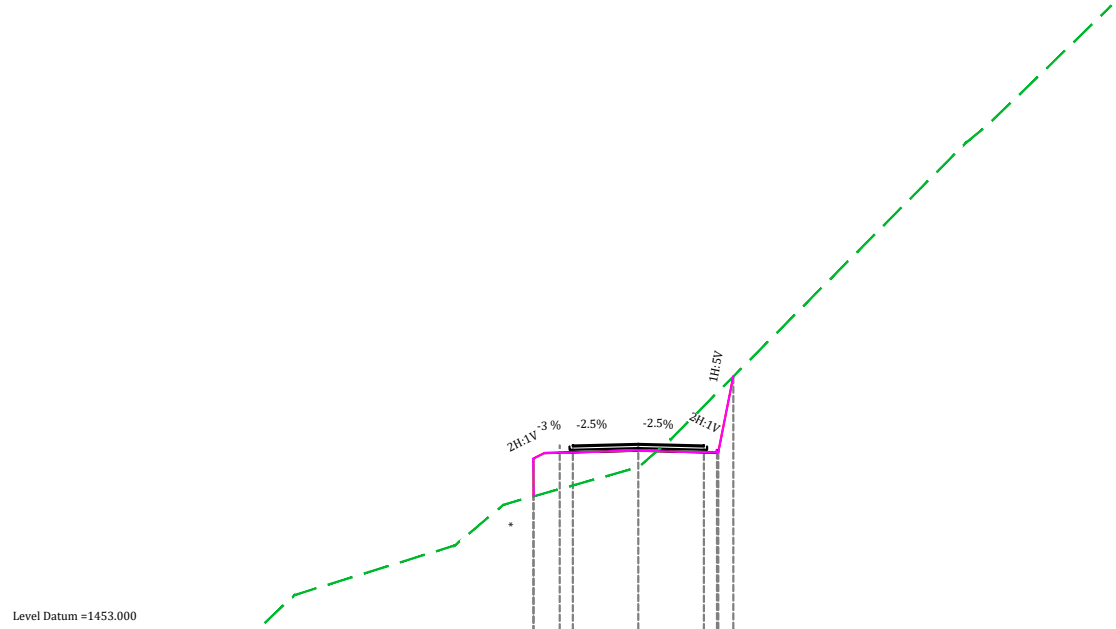
Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =17050.000



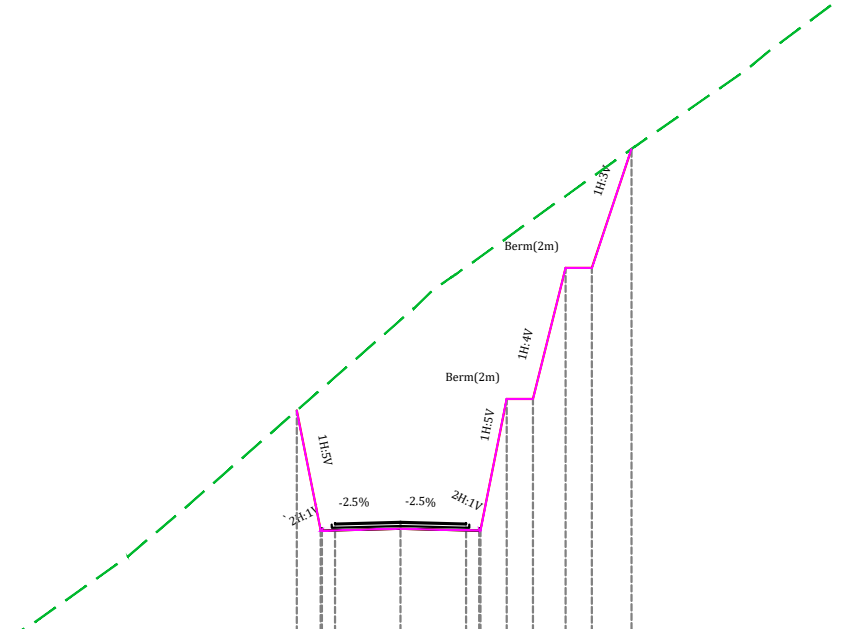
Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =17150.000



Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

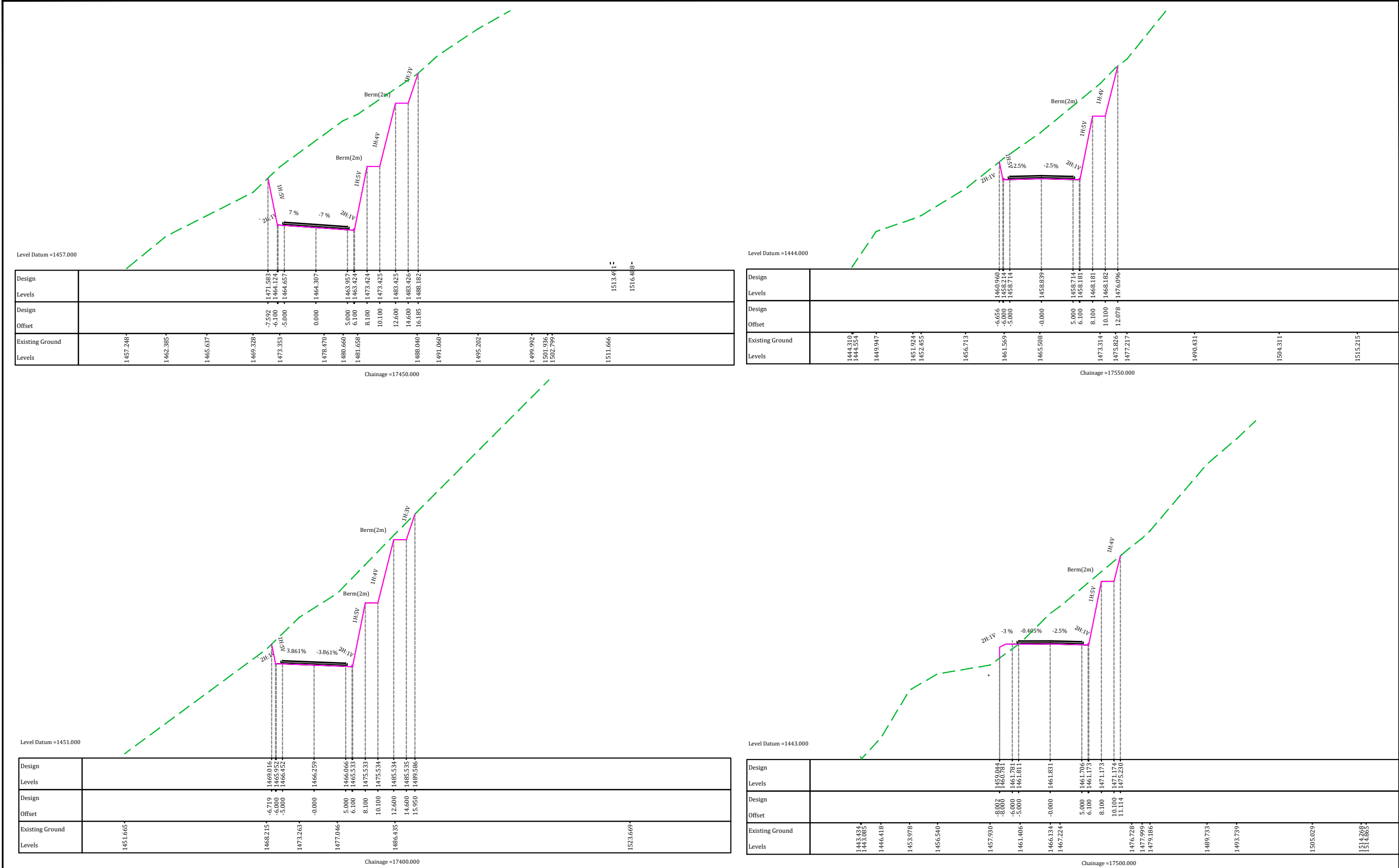
Chainage =17000.000



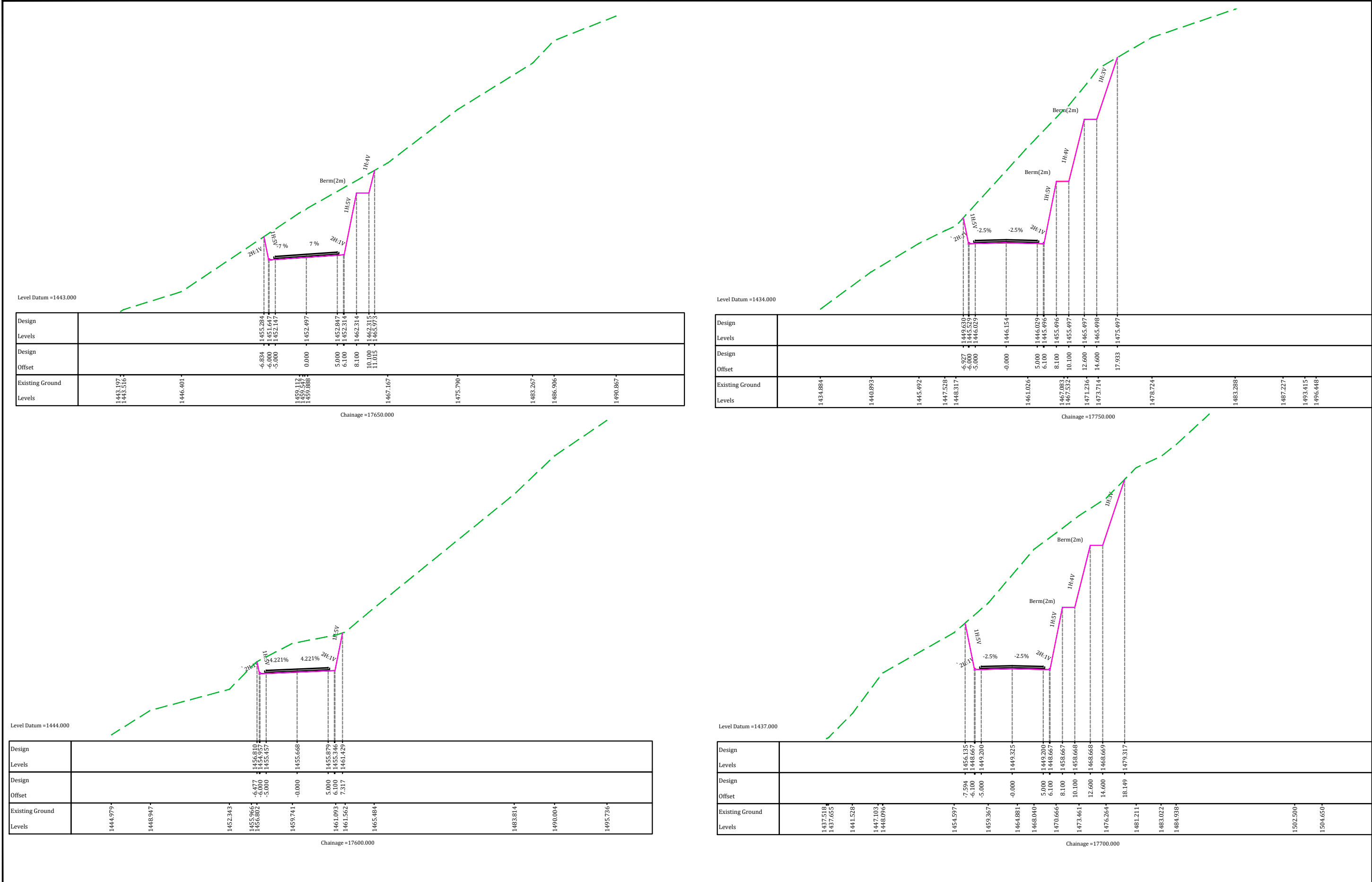
Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =17100.000

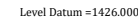
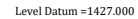
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	Project	Scale	Drawing Title	Drawing No.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	N.T.S.	DETAIL CROSS SECTIONS	RCPL-TPF-3-BHC-21 -R1
R1	April.-2020							



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)			
R1	April.-2020				Scale N.T.S.			
							Drawing Title	
							Drawing No.	RCPL-TPF-3-BHC-23 -R1



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	TPF Getinsa Euroestudios S.L.	FINAL DETAILED PROJECT REPORT	Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	Rodici	In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020							
							Drawing No.	RCPL-TPF-3-BHC-24 -R1

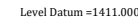
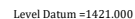
Chainage =18100.000Chainage = 18050.000

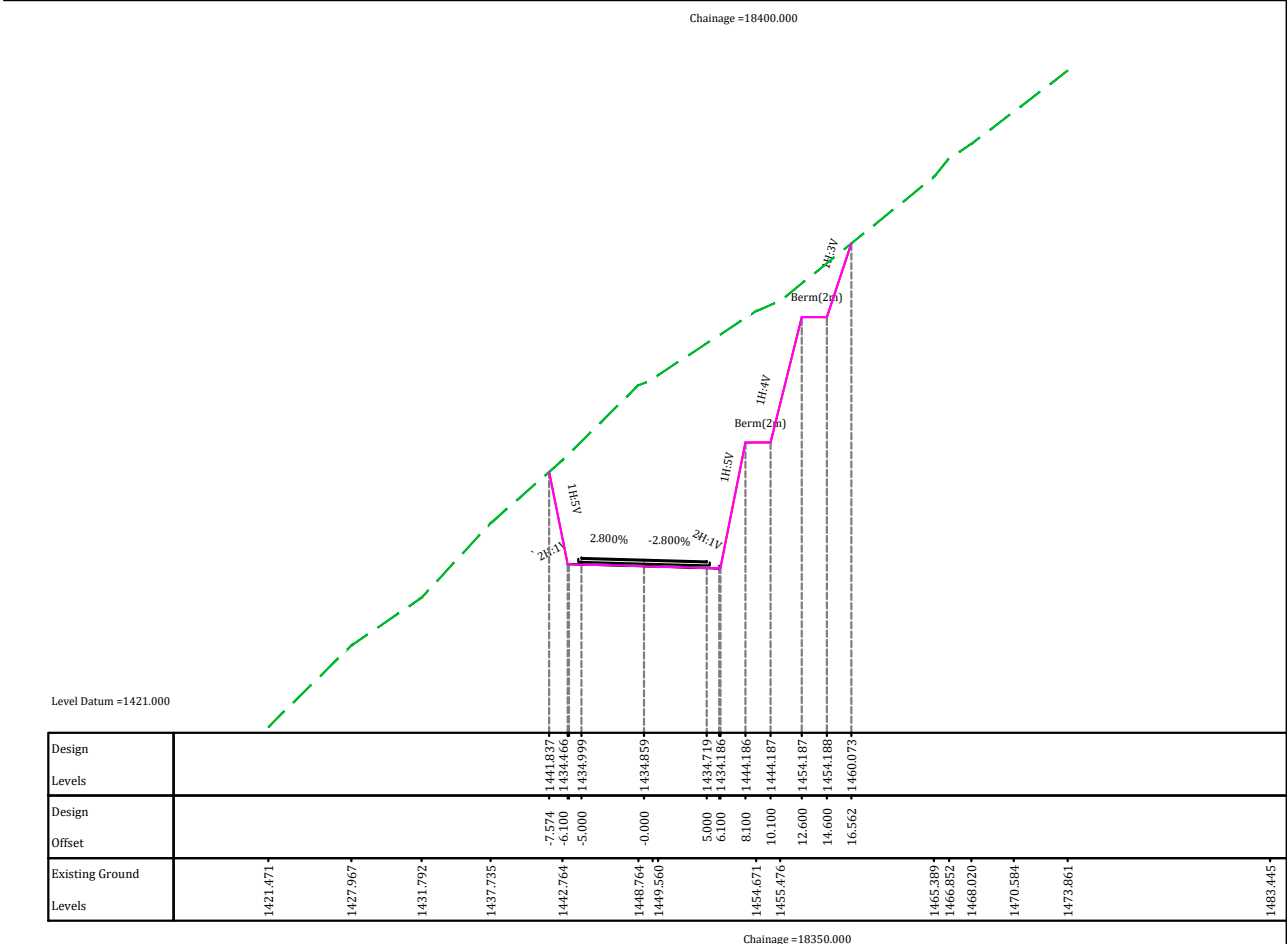
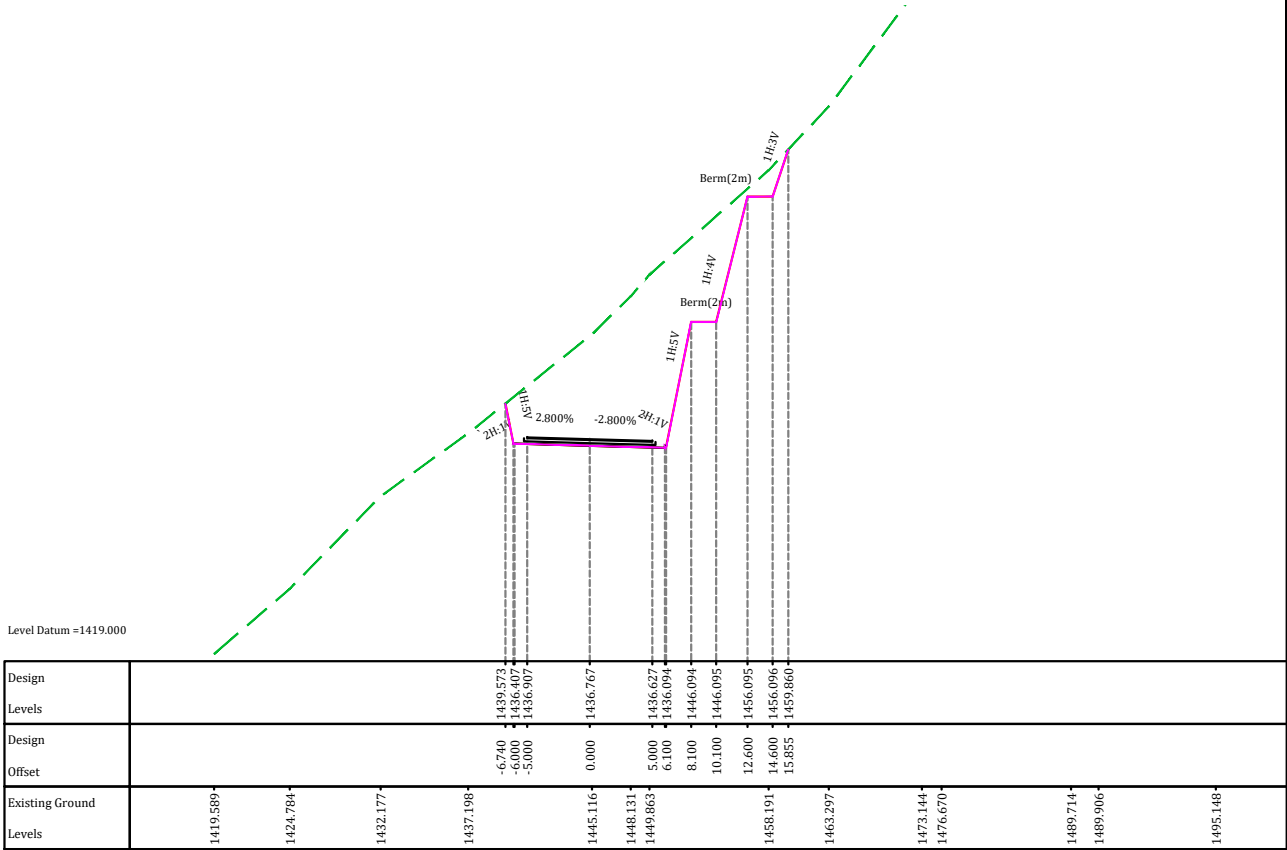
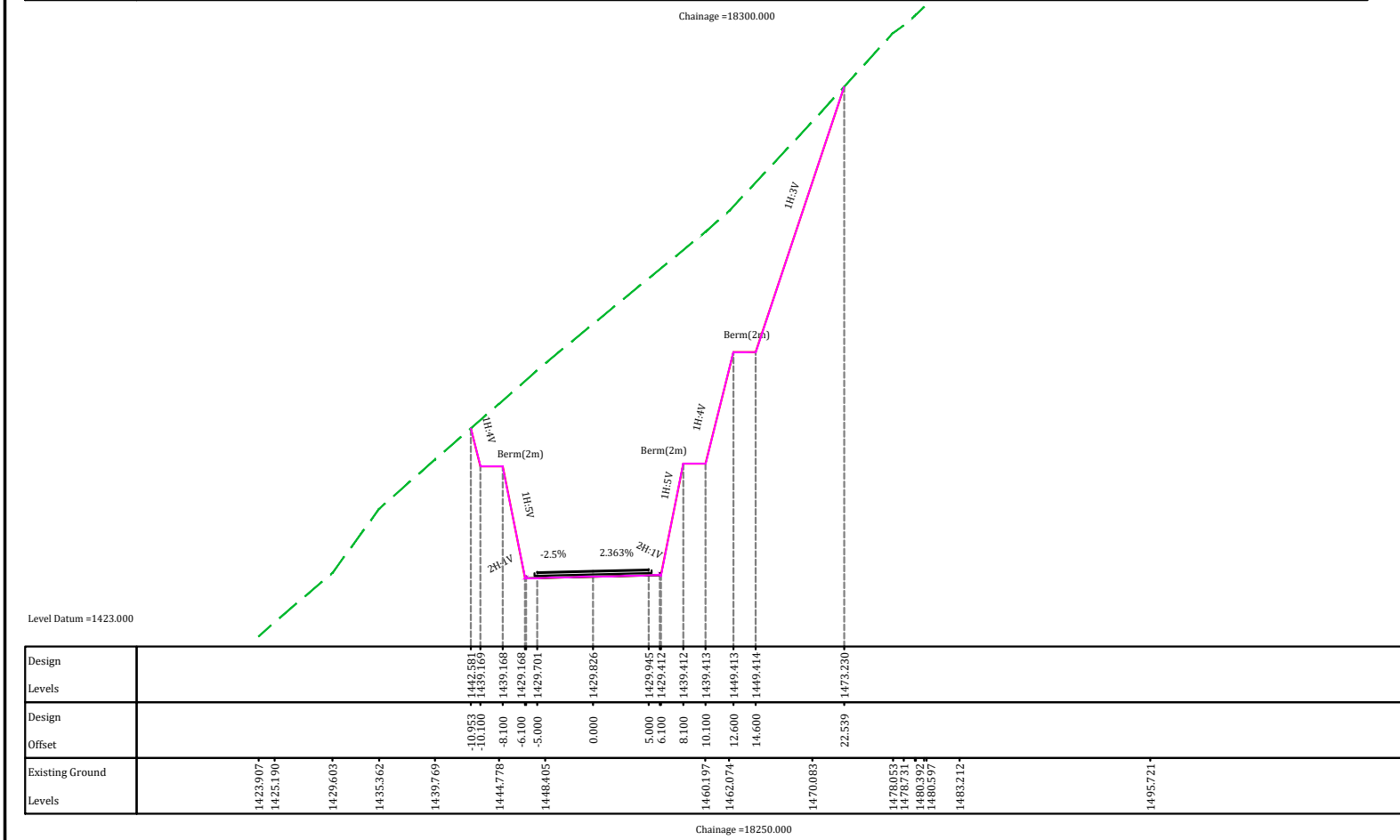
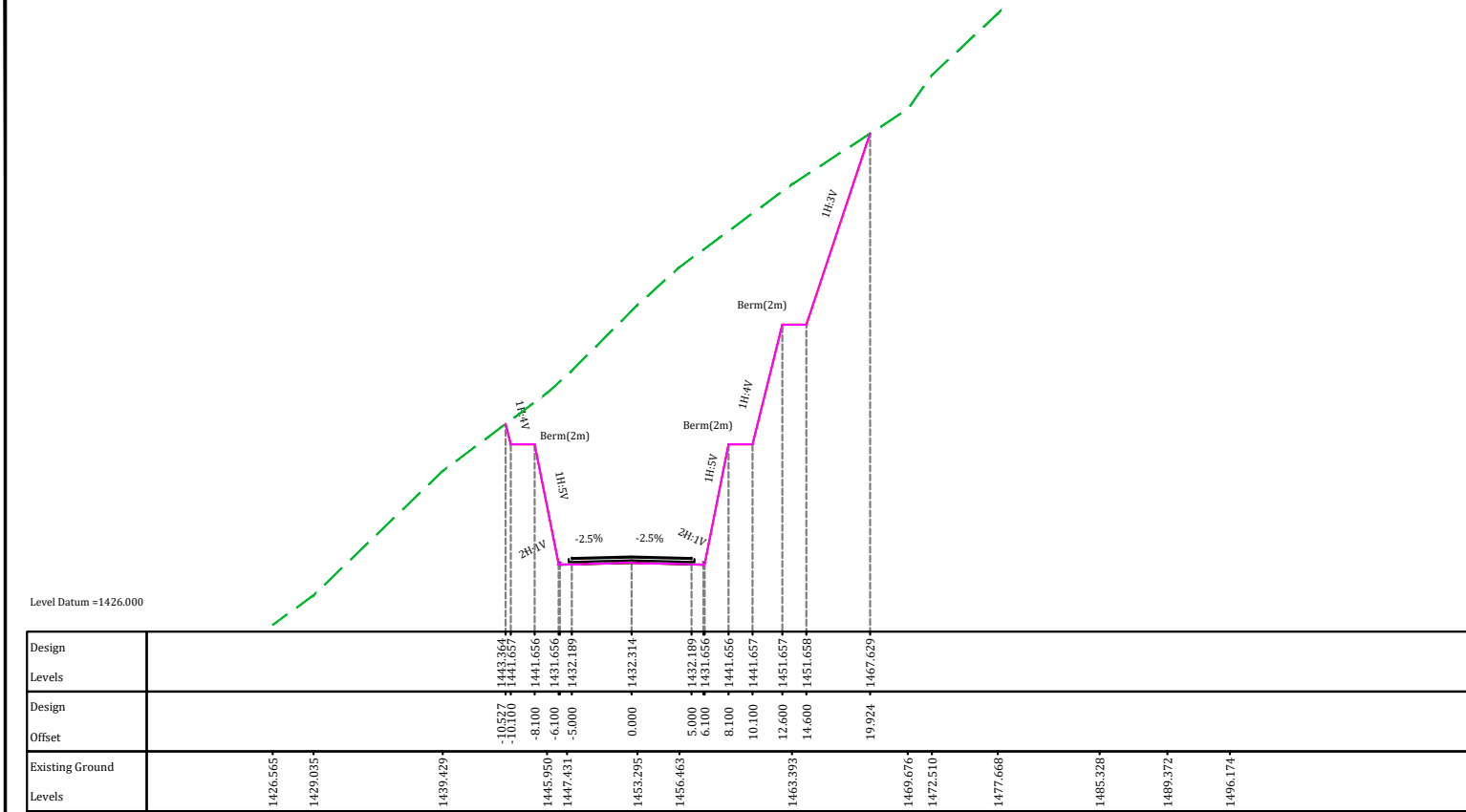
Designed:	
Drawn:	
Checked:	
Approved:	

FINAL DETAILED PROJECT REPORT PACKAGE-IA GOHA-KHELANI (km 12+850 to km 20+300)	
Scale	N.T.S.

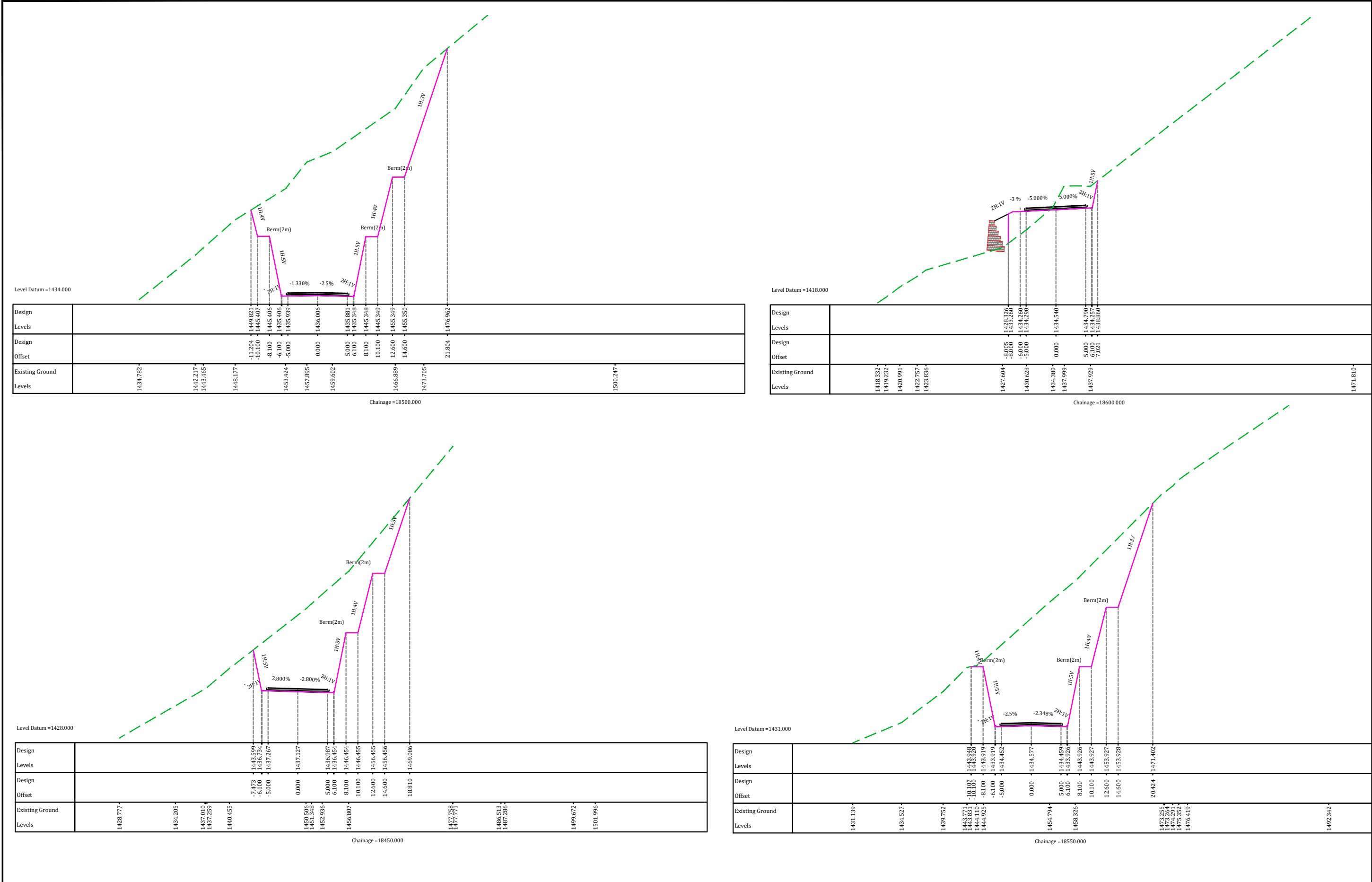
Drawing Title
Drawing No.

DETAIL CROSS SECTIONS

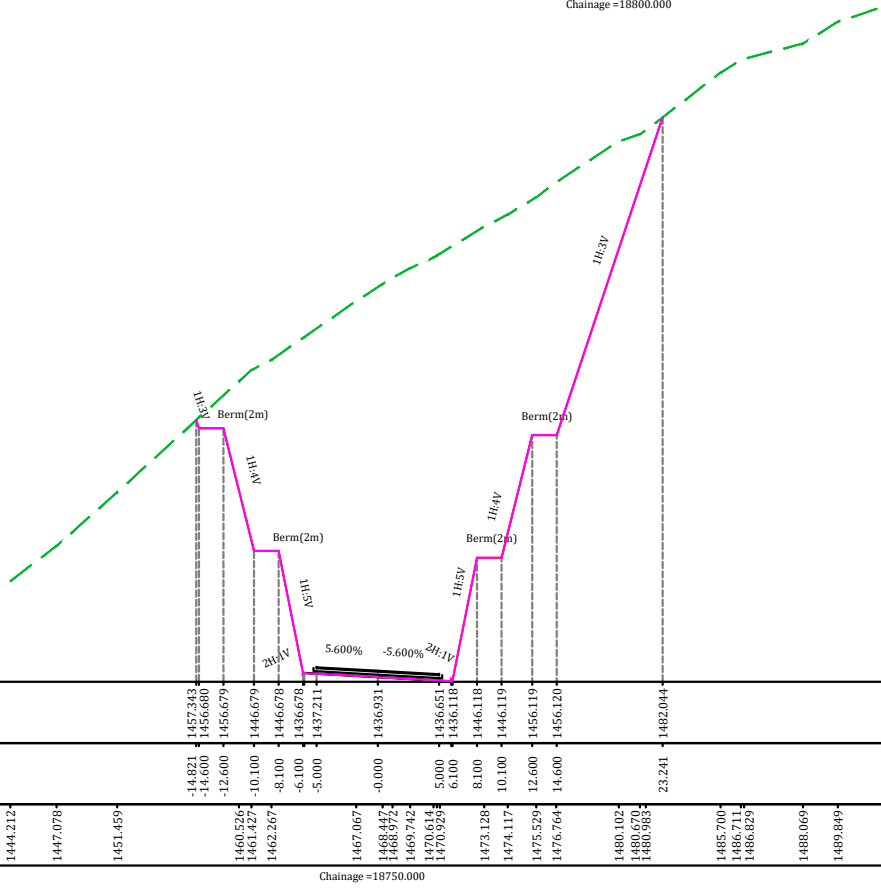
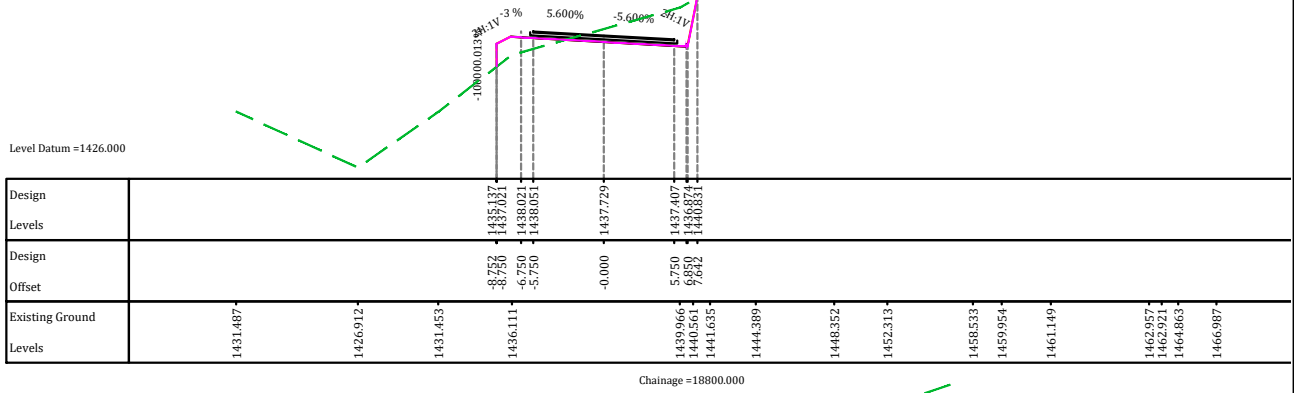
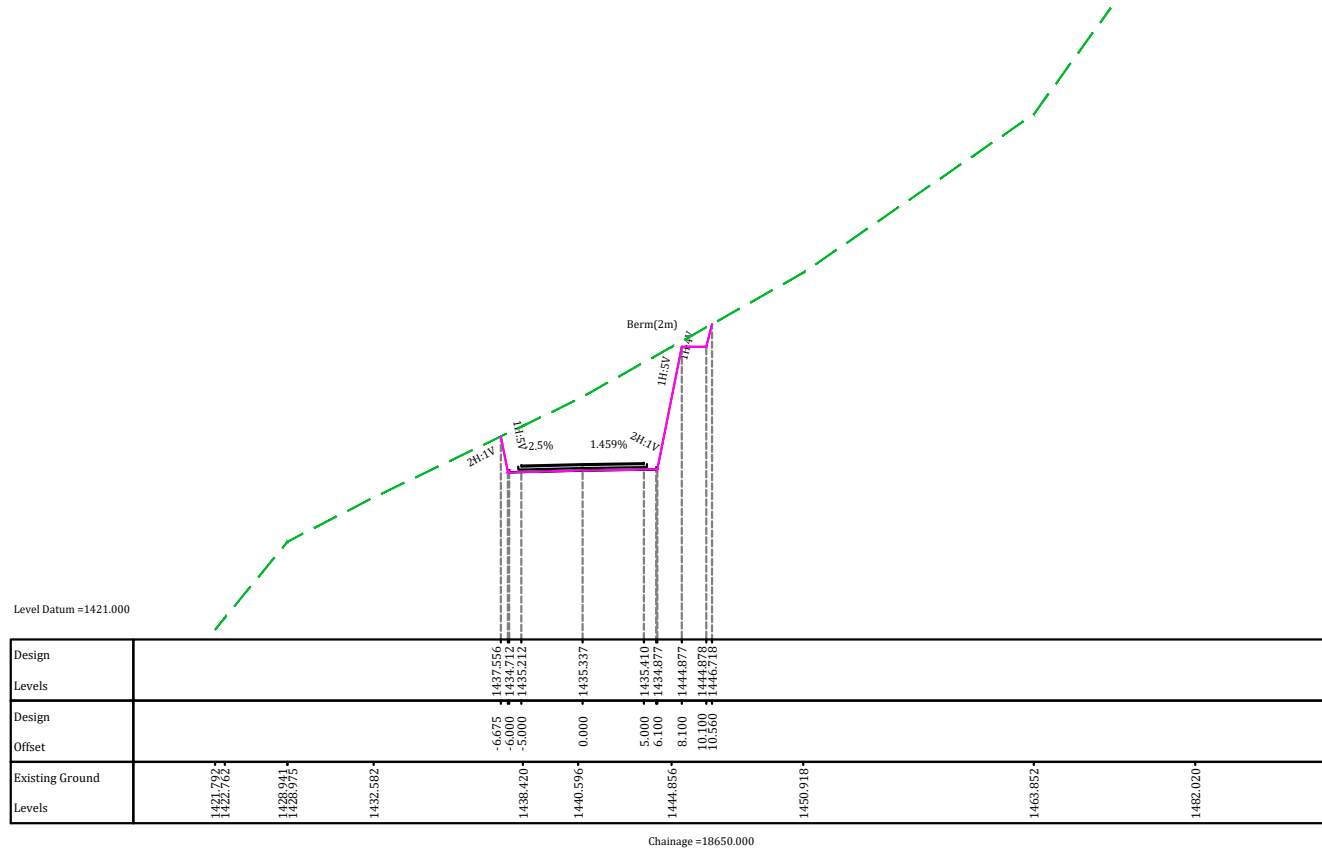
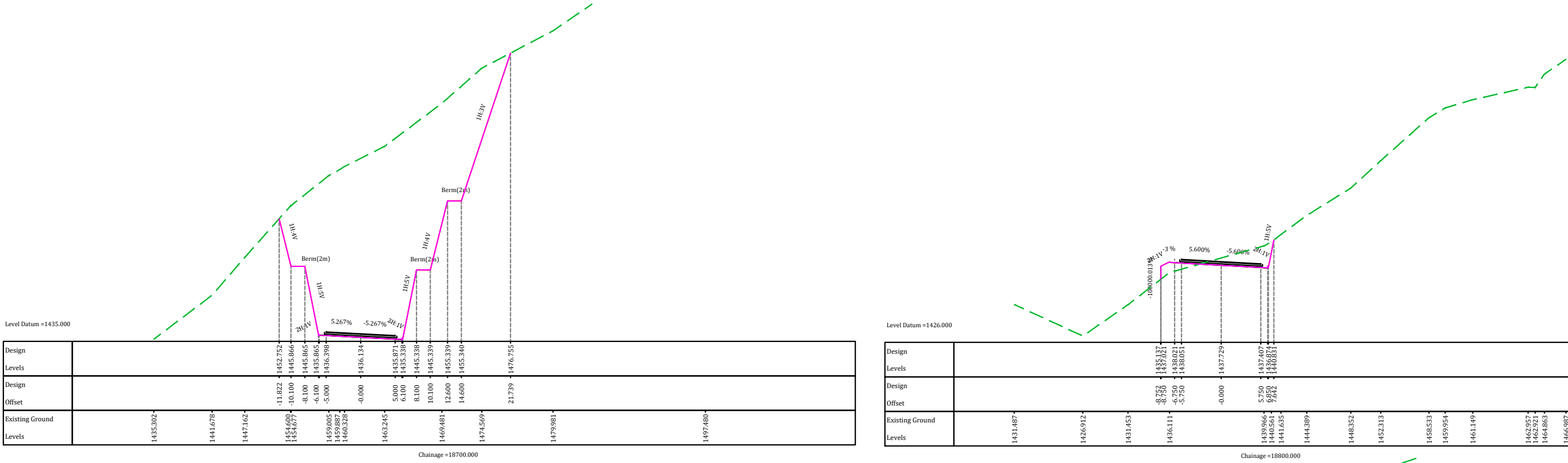
Chainage = 18200.000Chainage = 18150.000



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	Project	
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R1	April.-2020					
					Scale N.T.S.	Drawing Title
						Drawing No. RCPL-TPF-3-BHC-27 -R1



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:	Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020				Drawn:			
					Checked:		Drawing No.	RCPL-TPF-3-BHC- 28 -R1
					Approved:			



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT				Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Eurostudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA) 	Designed:		Scale N.T.S.	Drawing Title		
R1	April.-2020				Drawn:					
					Checked:					
					Approved:			Drawing No.	RCPL-TPF-3-BHC- 29 -R1	

Level Datum =1425.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =18900.000

Level Datum =1436.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =19000.000

Level Datum =1436.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =18850.000

Level Datum =1438.000

Design	
Levels	
Design	
Offset	
Existing Ground	
Levels	

Chainage =18950.000

REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION
R0	Oct.-2019	
R1	April.-2020	

CLIENT

NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

(MINISTRY OF ROAD TRANSPORT & HIGHWAY)

GOVERNMENT OF INDIA



CONSULTANT:



TPF Getinsa Euroestudios S.L.

In Association with

RODIC CONSULTANTS PVT. LTD.

1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING

NEW DELHI - 110001 (INDIA)

FINAL DETAILED PROJECT REPORT

PACKAGE-1A GOHA-KHELANI

(km 12+850 to km 20+300)

Project

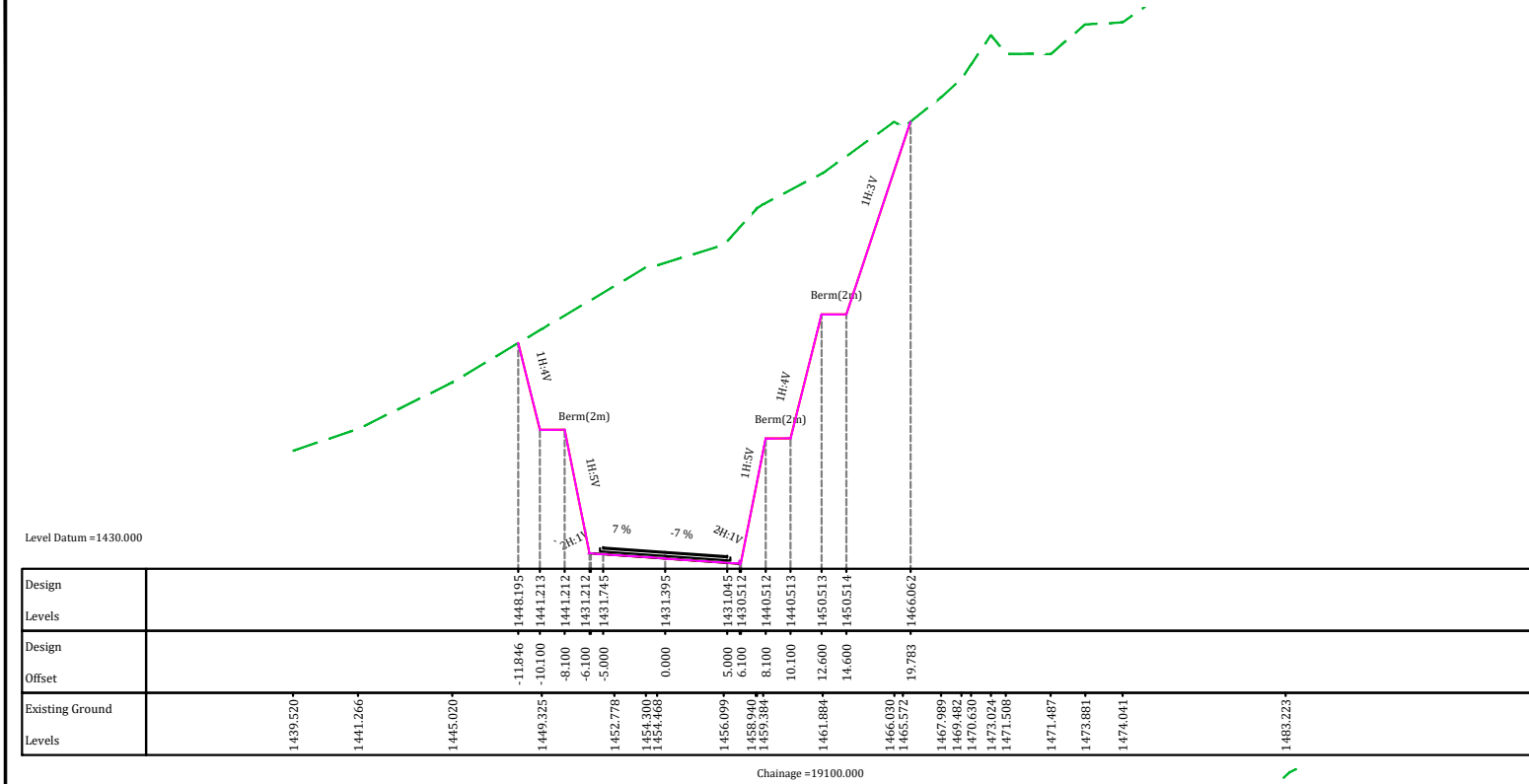
Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.

Drawing Title

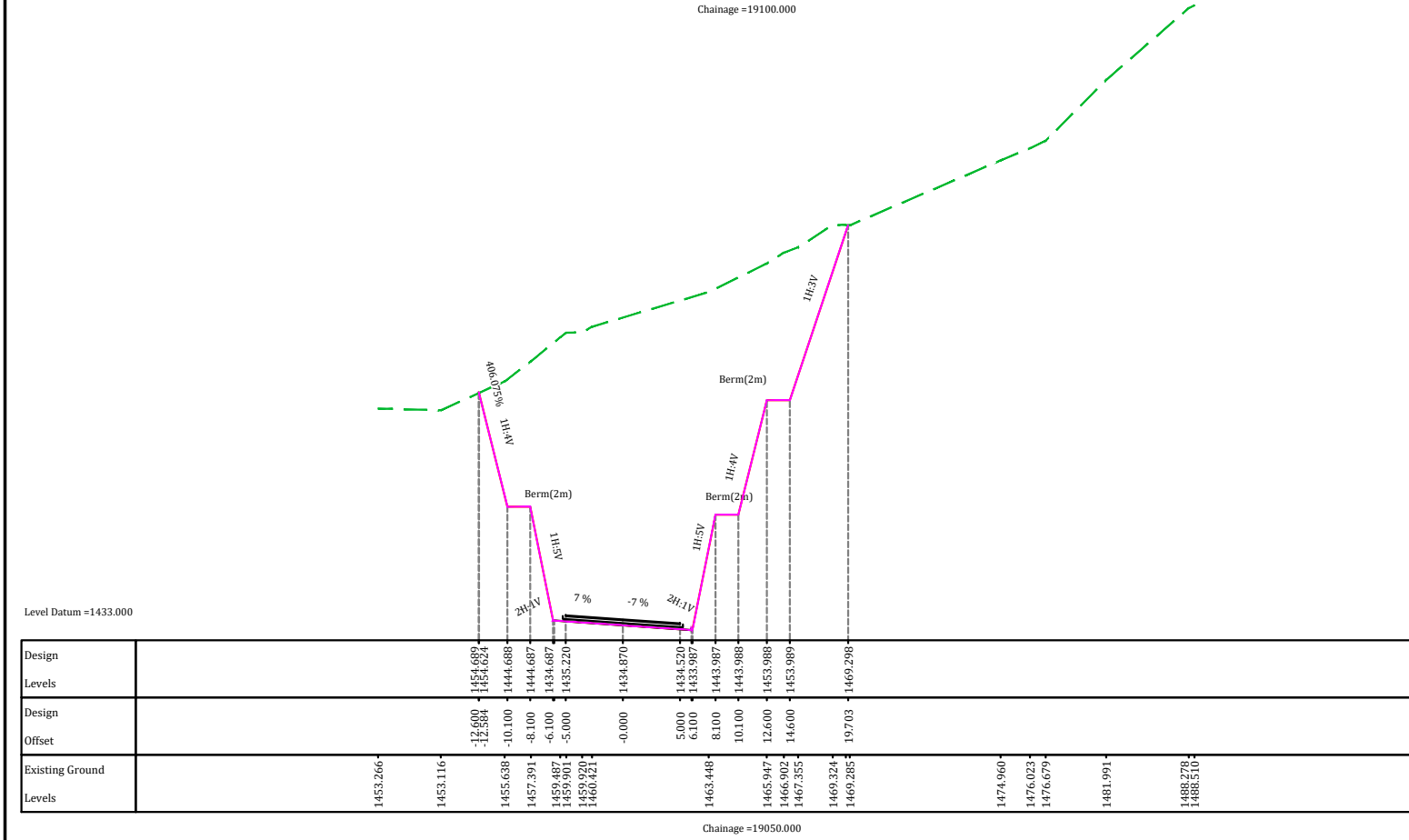
DETAIL CROSS SECTIONS

Drawing No.

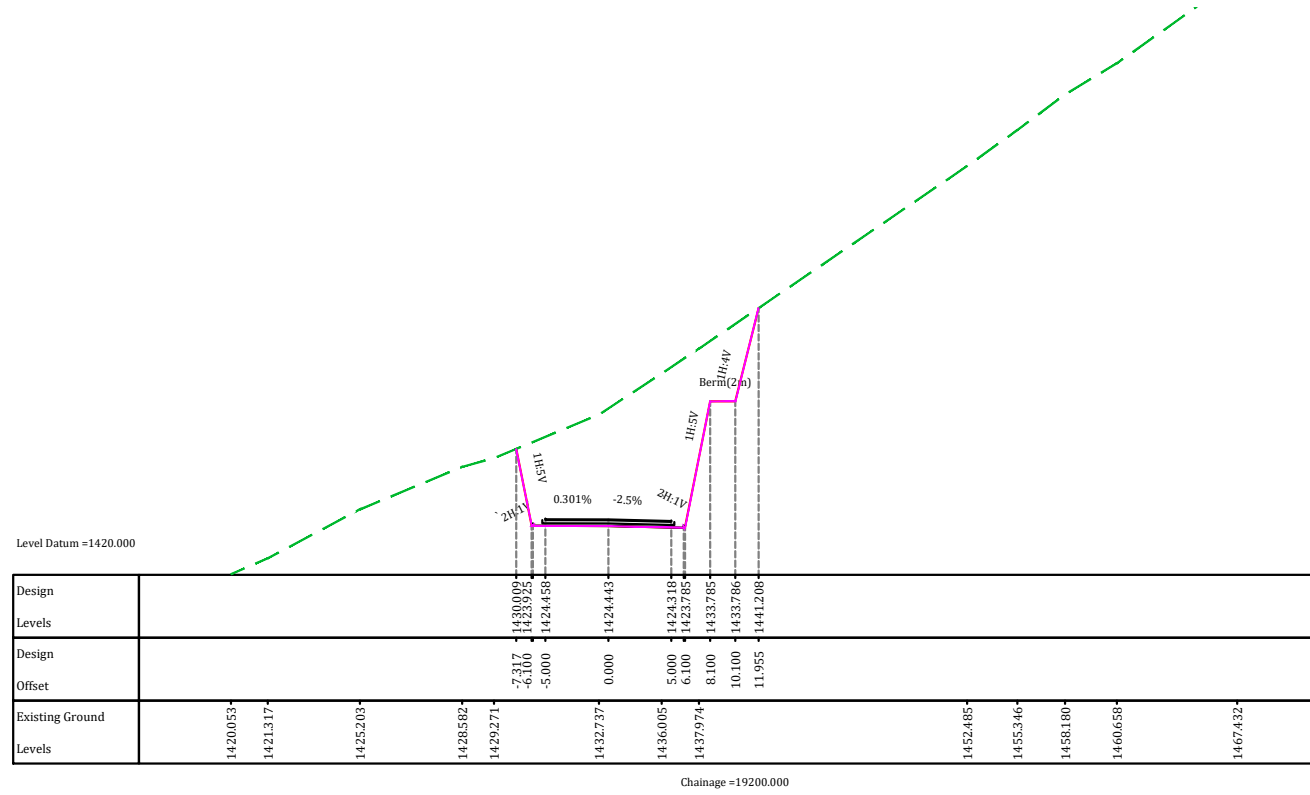
RCPL-TPF-3-BHC- 30 -R1



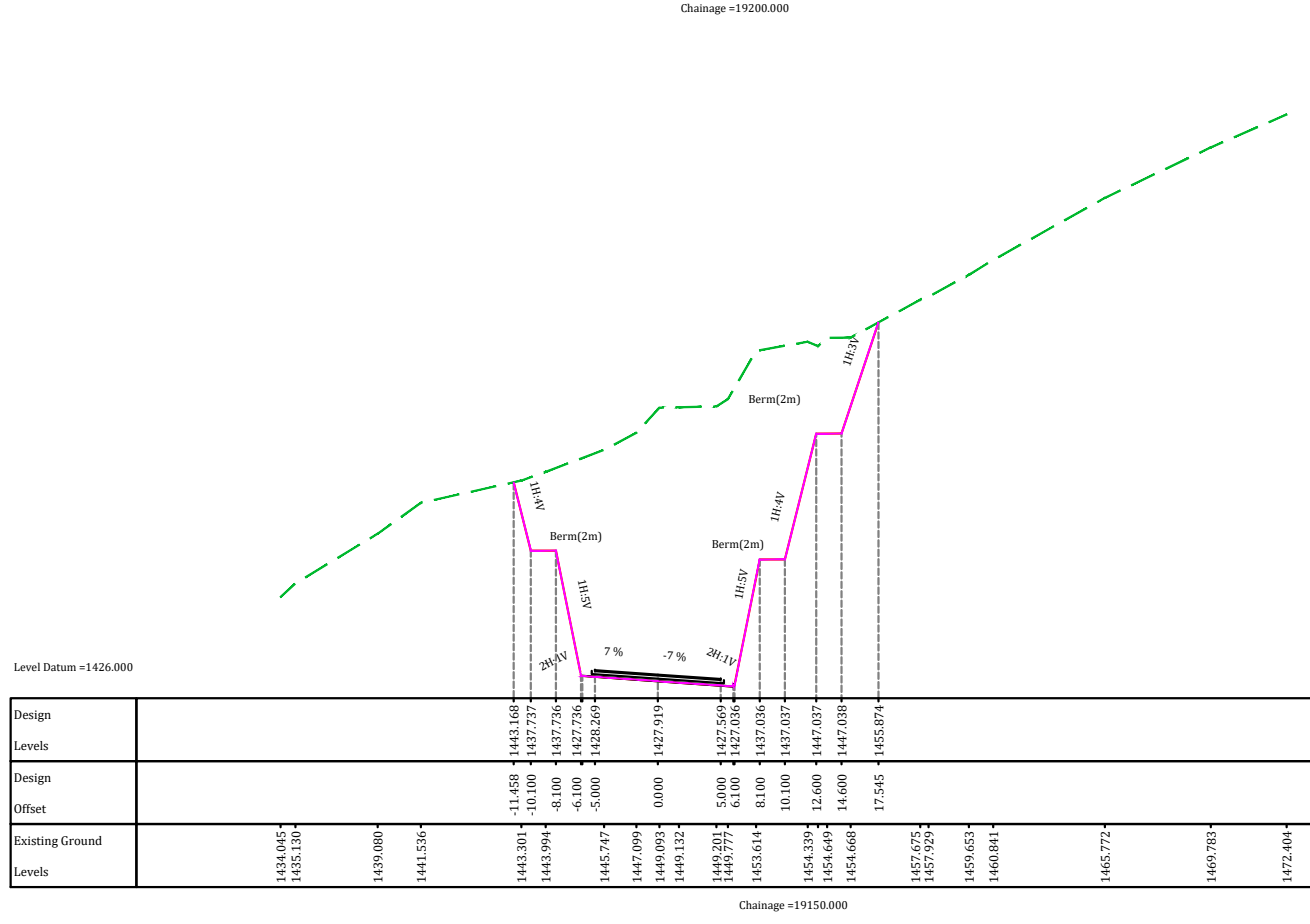
Design Levels	1448.195	1441.213	1441.212	1431.212	1431.745	1431.395	1431.045	1430.512	1440.512	1440.513	1450.513	1450.514	1466.062
Design Offset	-11.846	-10.100	-8.100	-6.100	-5.000	0.000	5.000	6.100	8.100	10.100	12.600	14.600	19.783
Existing Ground Levels	1439.520	1441.266	1445.020	1446.325	1452.778	1454.468	1456.099	1458.940	1458.384	1461.884	1466.030	1465.572	1467.989



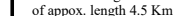
Design Levels	1454.689	1454.624	1444.688	1444.687	1434.687	1435.220	1434.870	1434.520	1433.985	1443.987	1443.988	1453.988	1453.989	1469.290
Design Offset	-12.600	-12.584	-10.100	-8.100	-6.100	-5.000	-0.000	5.000	6.100	8.100	10.100	12.600	14.600	19.703
Existing Ground Levels	1453.266	1453.116	1455.638	1457.391	1459.487	1459.901	1459.920	1460.421	1463.448	1465.947	1466.902	1467.355	1469.324	1469.285

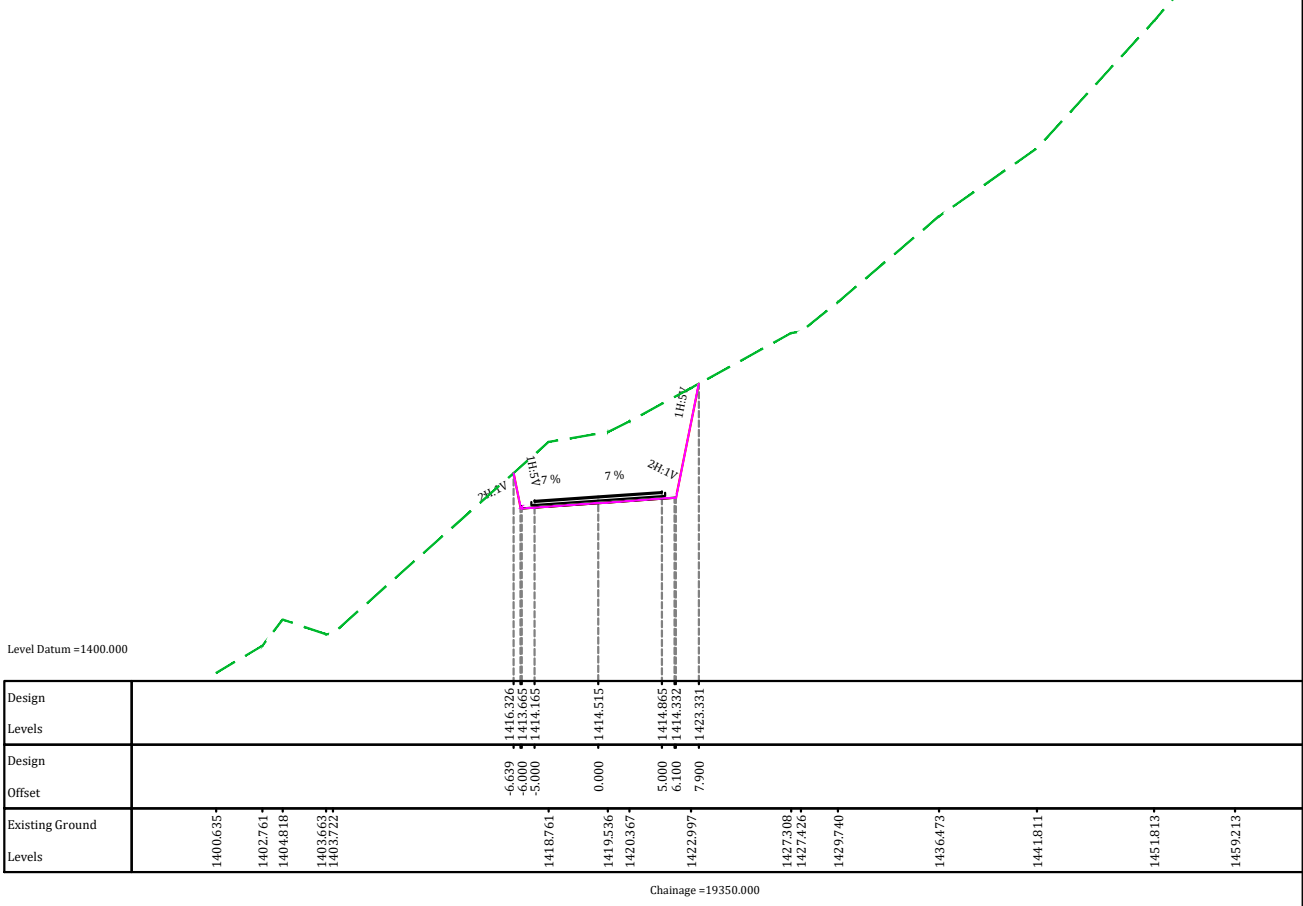
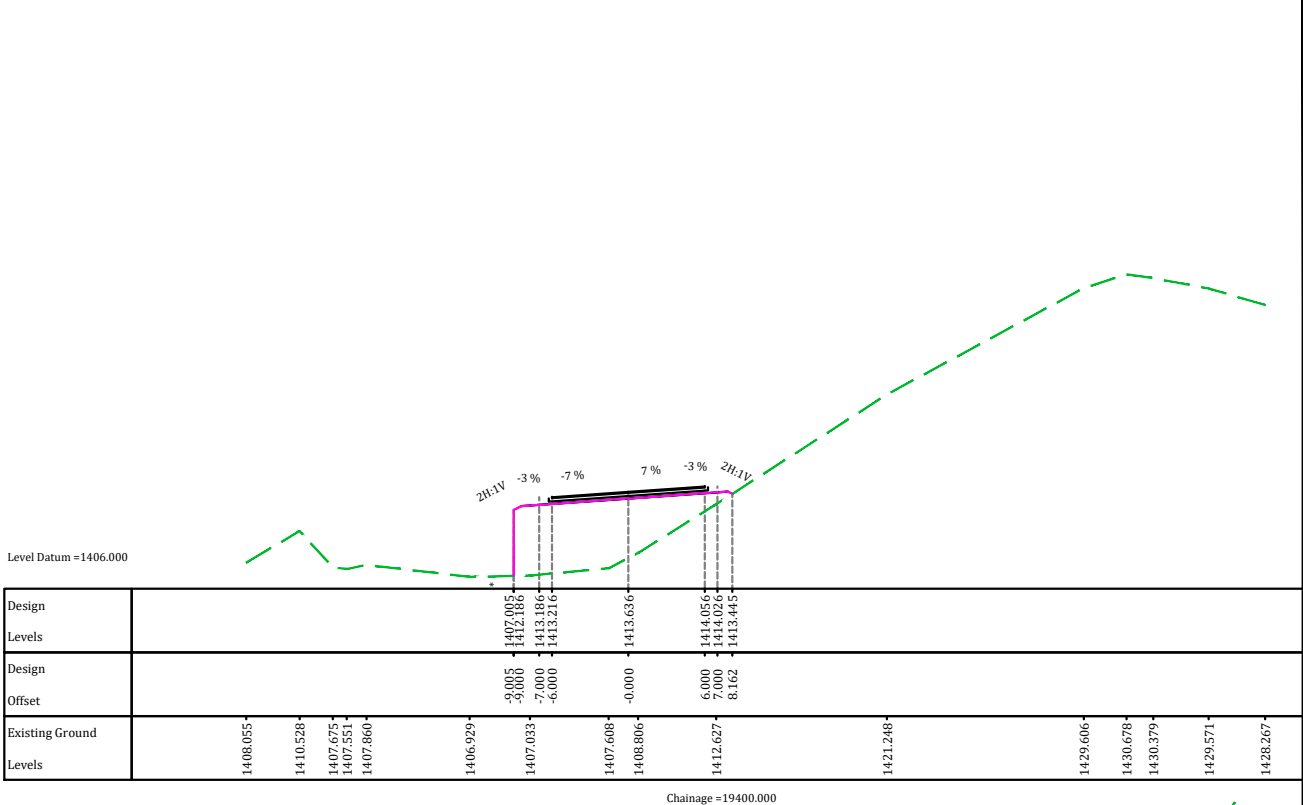
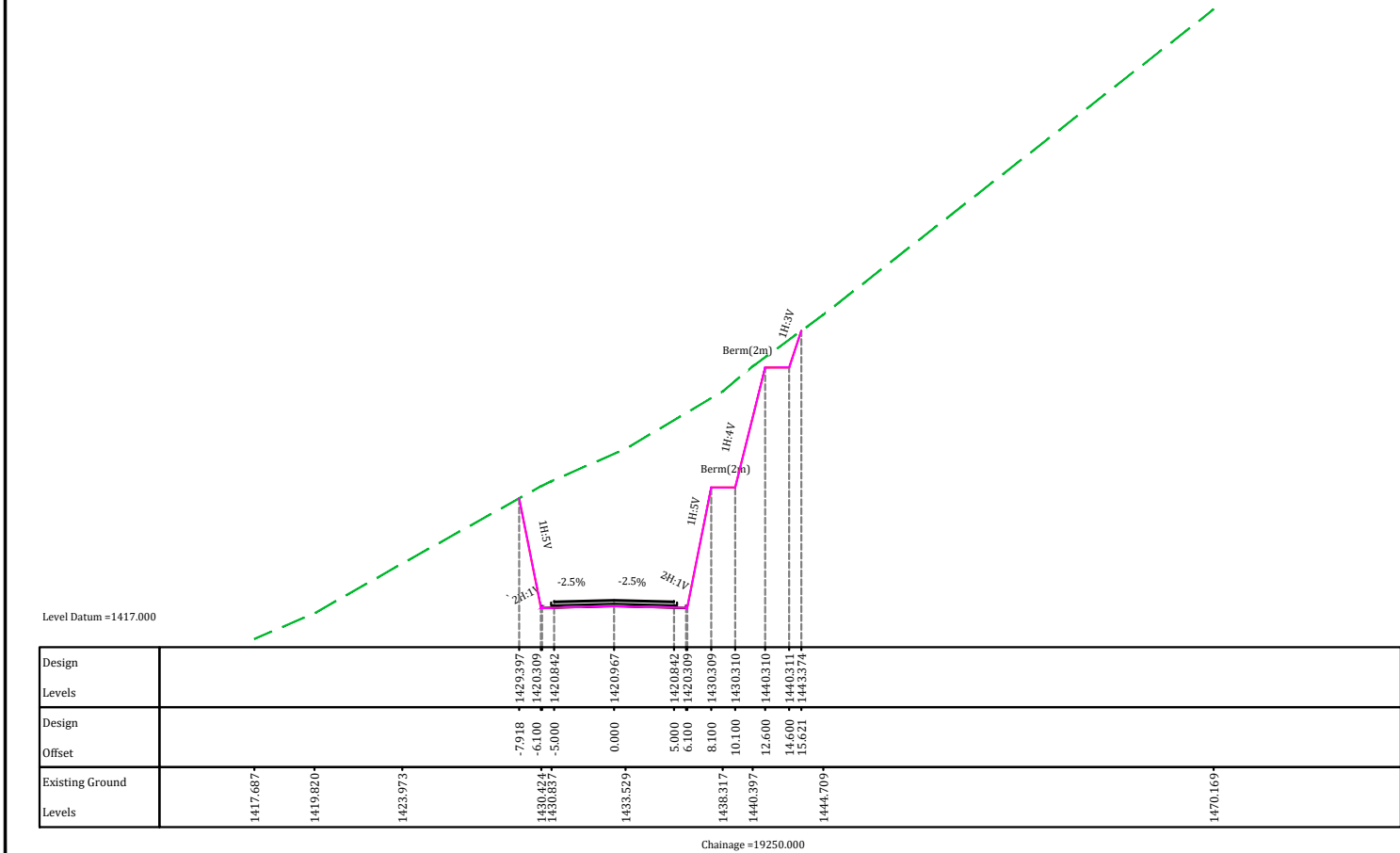
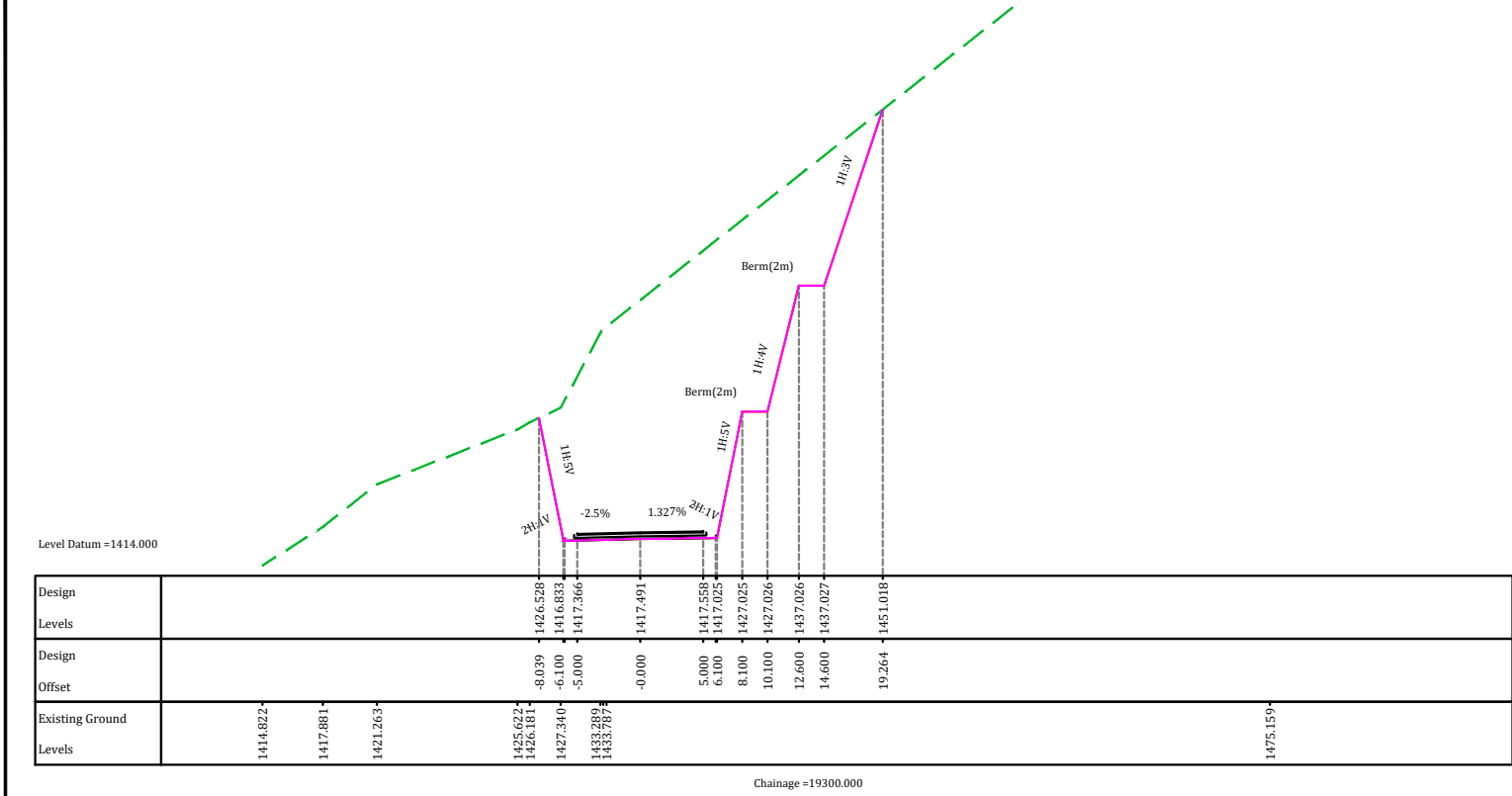


Design Levels	1430.009	1423.925	1424.458	1424.443	1424.318	1423.785	1433.785	1433.786	1441.208
Design Offset	-7.317	-6.100	-5.000	0.000	5.000	6.100	8.100	10.100	11.955
Existing Ground Levels	1420.053	1421.317	1425.203	1428.582	1429.271	1436.005	1437.974	1452.485	1453.346

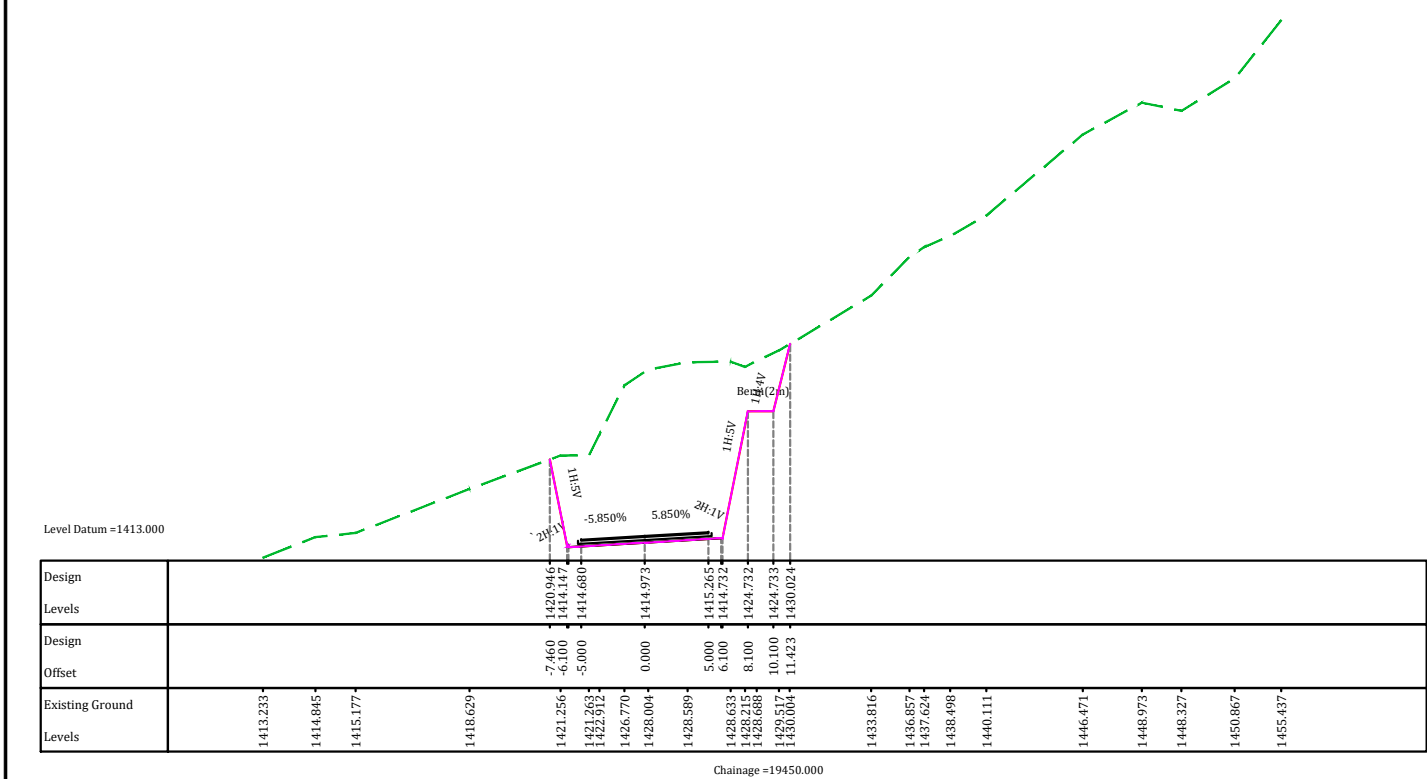
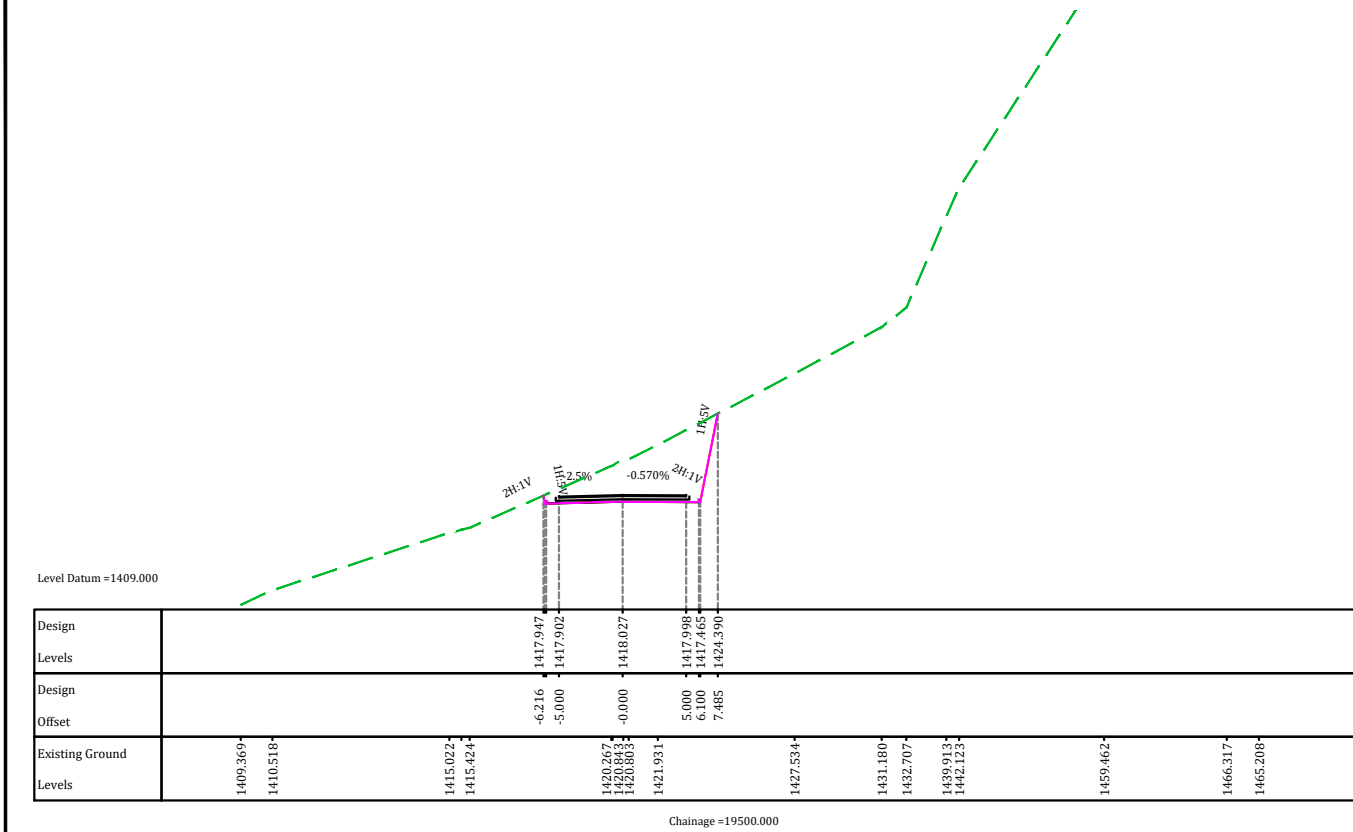


Design Levels	1443.168	1437.737	1437.736	1427.736	1427.036	1427.919	1427.569	1437.036	1437.037	1447.037	1447.038	1455.874
Design Offset	-11.458	-10.100	-8.100	-6.100	-5.000	0.000	5.000	6.100	8.100	10.100	12.600	17.545
Existing Ground Levels	1434.045	1435.130	1439.080	1441.536	1443.301	1443.994	1447.099	1449.093	1449.132	1449.201	1454.339	1457.675

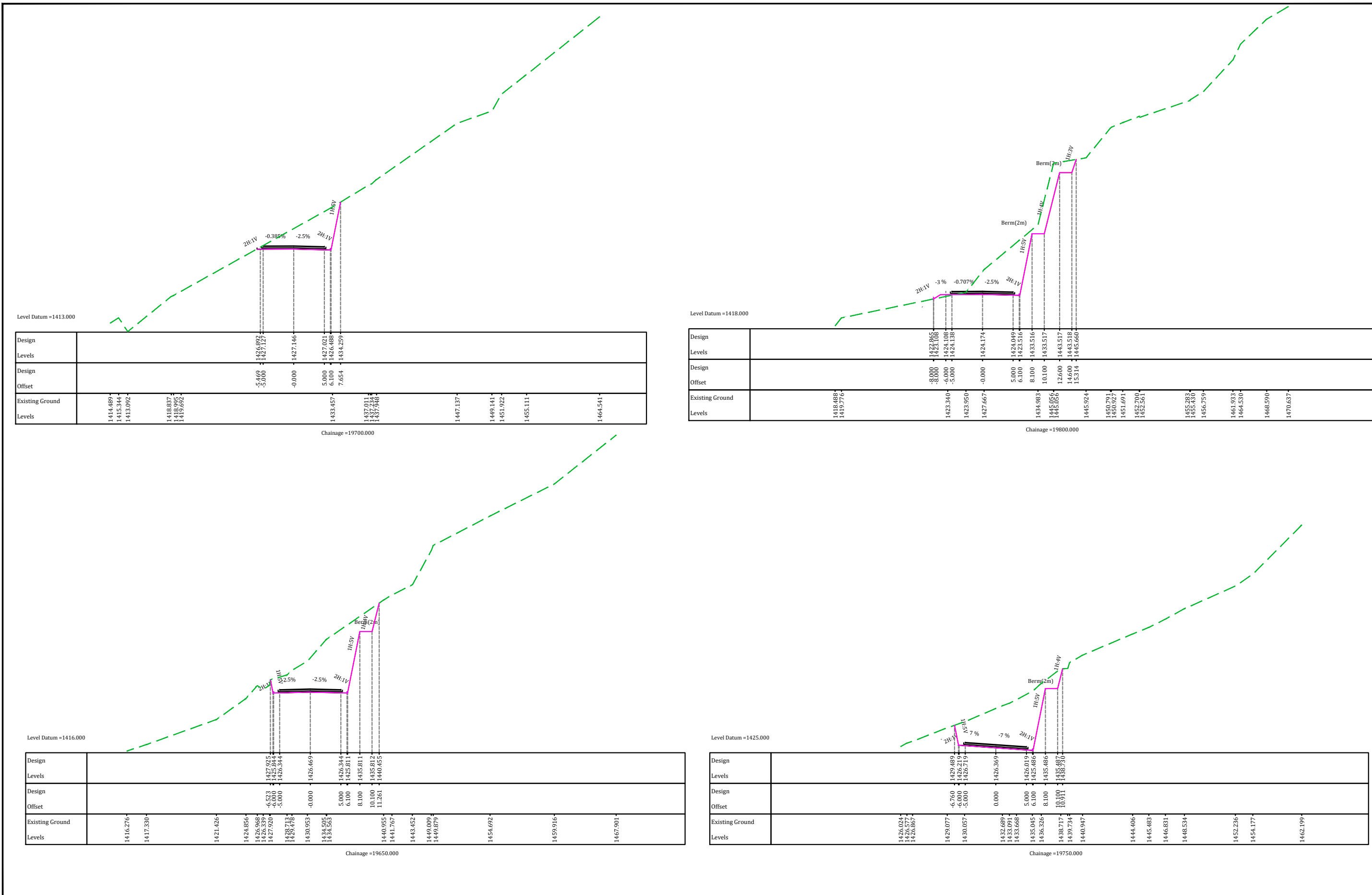
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT			Project		
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA		TPF Getinsa Euroestudios S.L. In Association with			Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.		
R1	April.-2020				RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)					
							Designed:	Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
							Drawn:		Drawing No.	
							Checked:			
						Approved:				



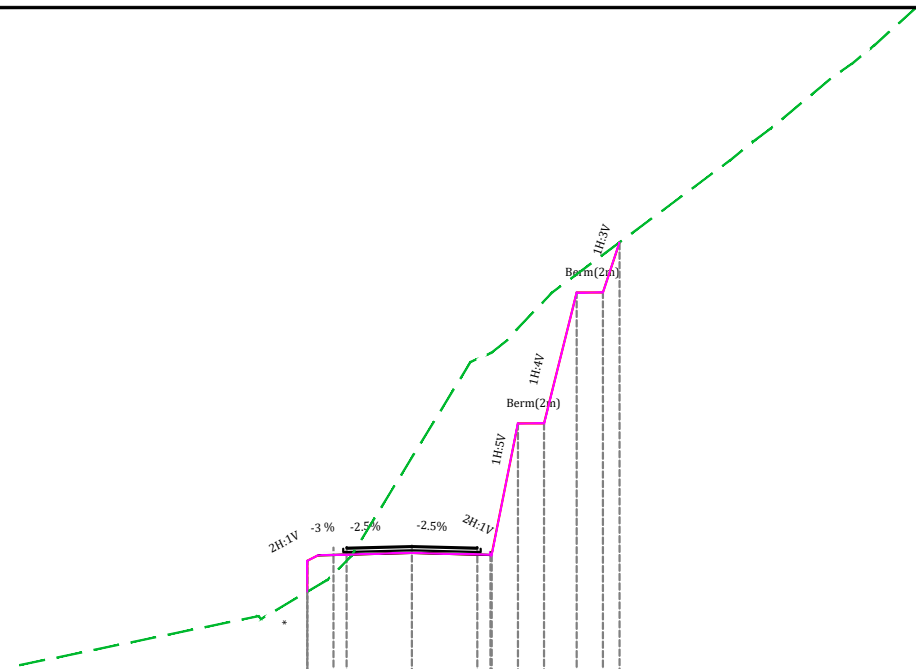
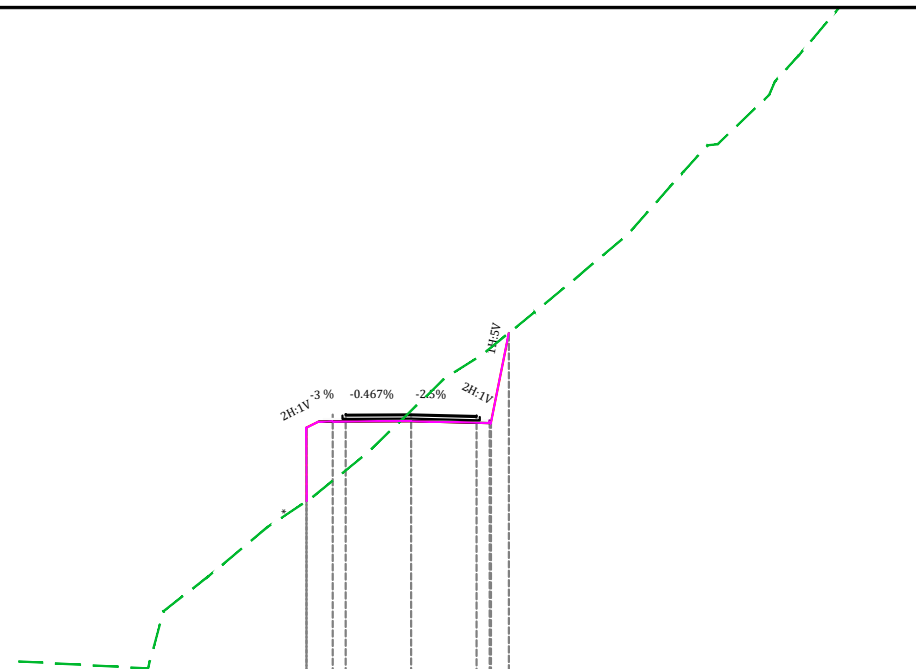
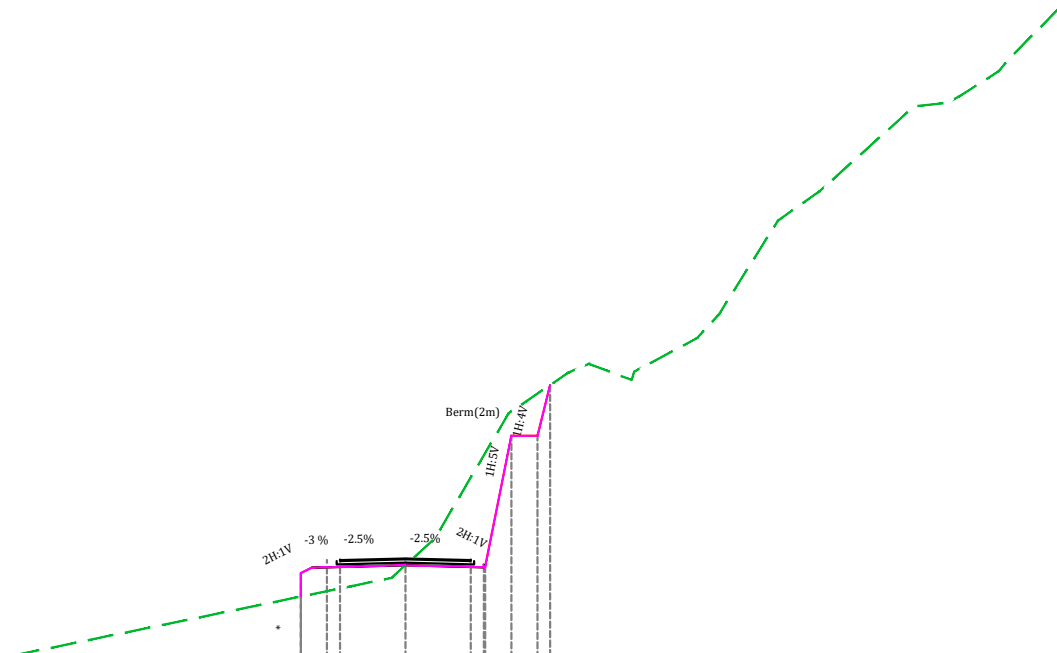
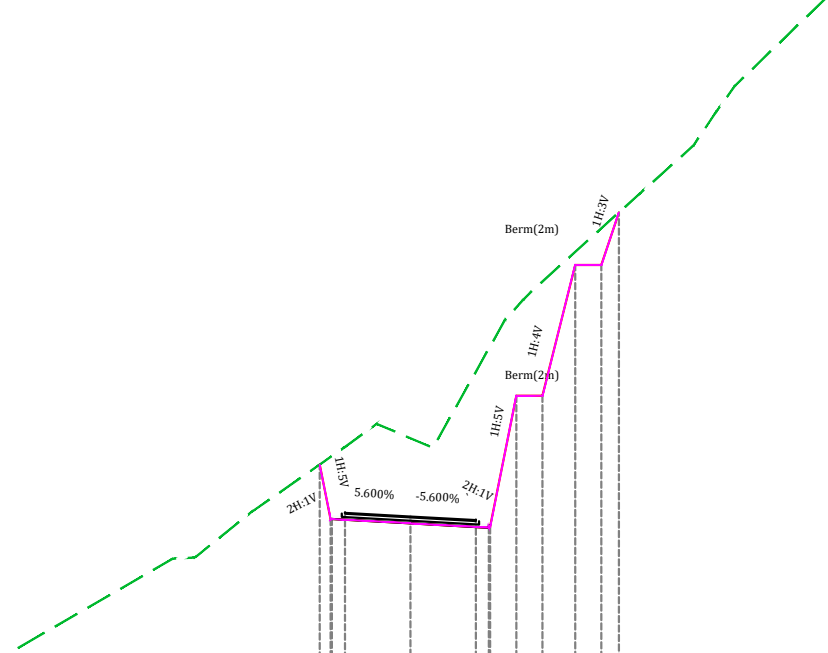
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	Project	Project
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	
R1	April.-2020				Scale	N.T.S.
					Designed:	
					Drawn:	
					Checked:	
					Approved:	
					Drawing Title	
					Drawing No.	RCPL-TPF-3-BHC- 32 -R1



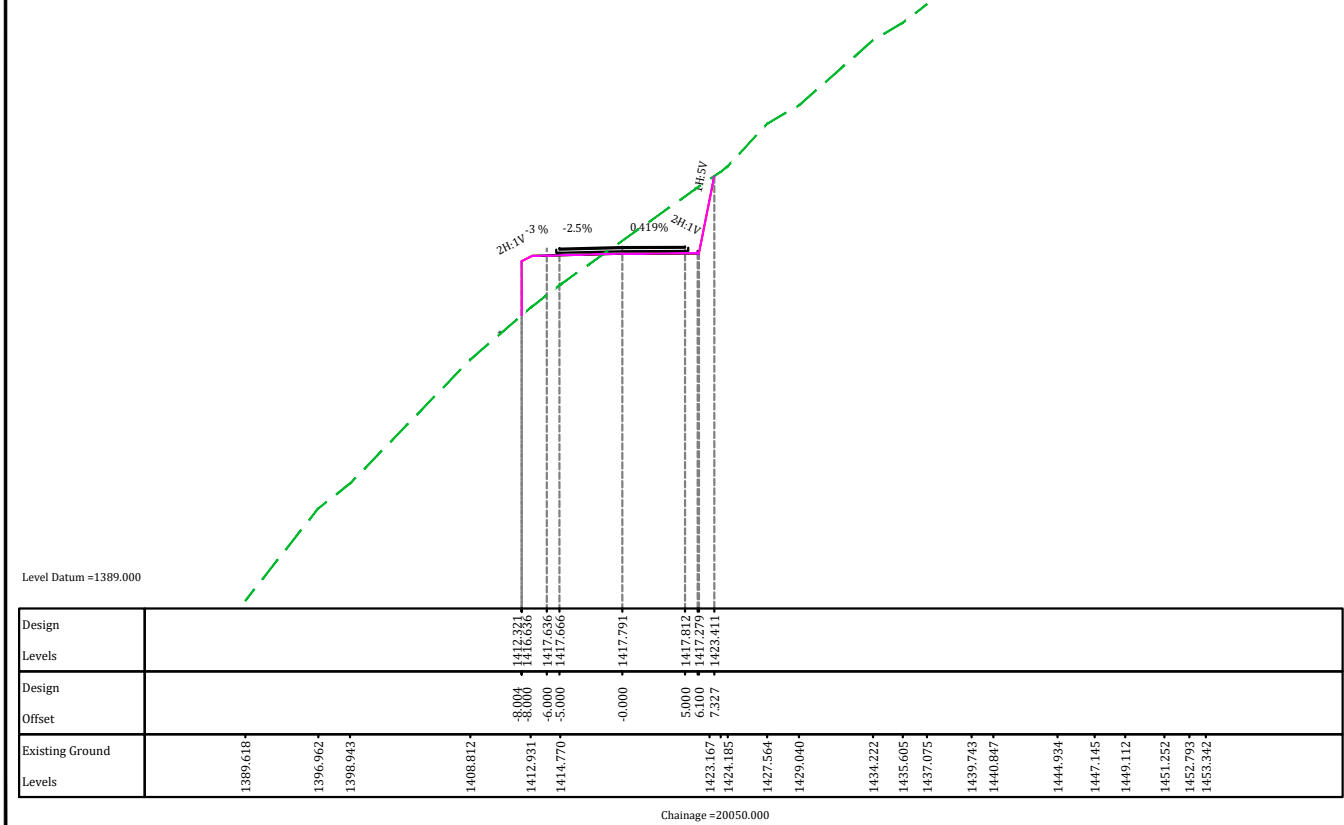
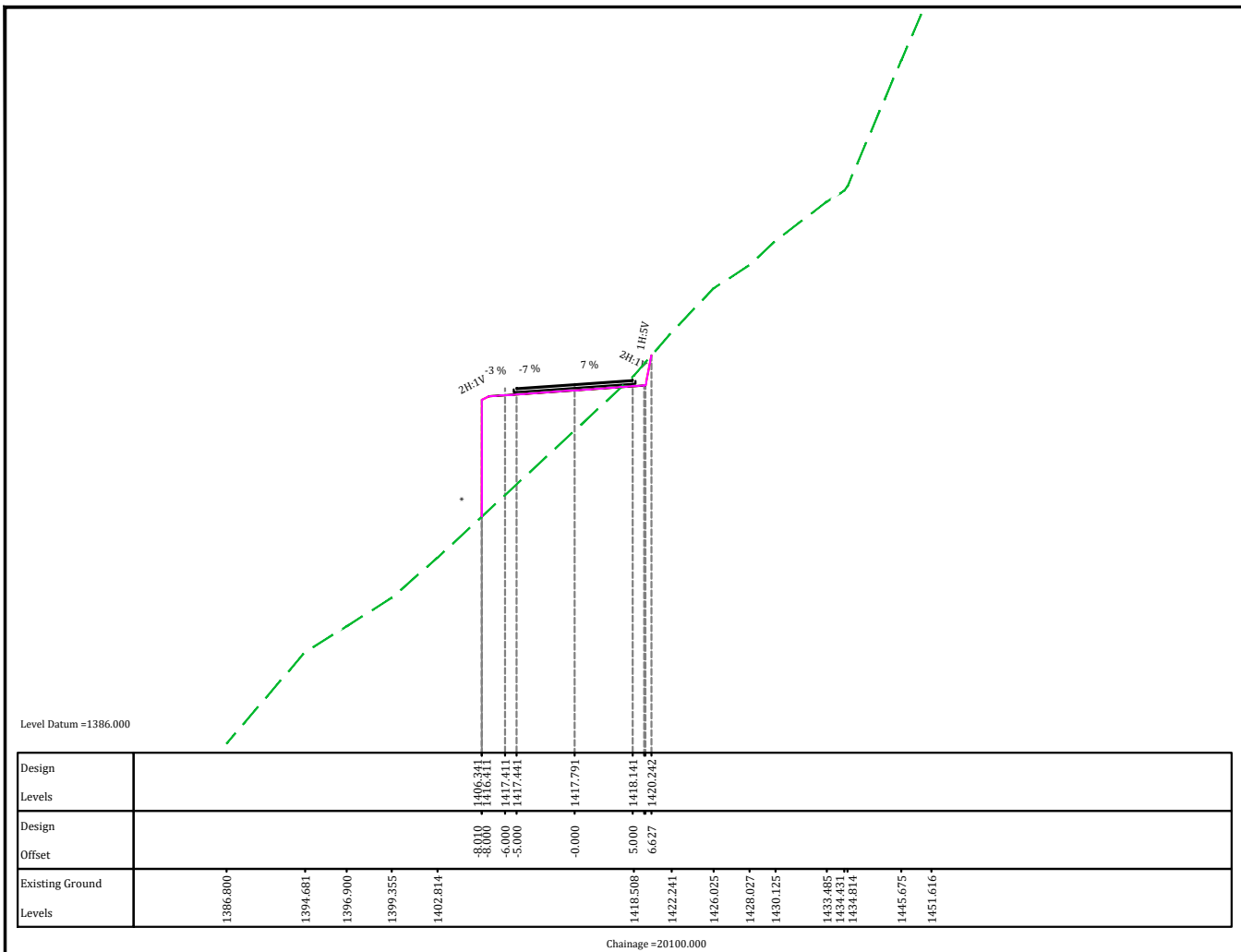
REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)			Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	Designed:		Scale N.T.S.	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020				Drawn:				
					Checked:			Drawing No.	RCPL-TPF-3-BHC- 33 -R1
					Approved:				



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	TPF Getinsa Euroestudios S.L.	FINAL DETAILED PROJECT REPORT	Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	Rodica	In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)	Drawing Title	DETAIL CROSS SECTIONS
R1	April.-2020							
							Drawing No.	RCPL-TPF-3-BHC-34 -R1

Chainage =19900.000Chainage = 20000.000Chainage =19850.000Chainage =19950.000

REVISION	DATE	AMENDMENT /ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT		Project
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA 	 TPF Getinsa Euroestudios S.L. In Association with  RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	PACKAGE-1A GOHA-KHELANI		Project
R1	April.-2020				(km 12+850 to km 20+300)		
				Designed: _____ Drawn: _____ Checked: _____ Approved: _____	Scale N.T.S.	Drawing Title Drawing No.	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir: (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Gohra road portion, (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Gohra – Khellani – Khanabal road portion & the extended road section from Gohra side approach road of Sudhmahadev Dranga tunnel upto Khellani town. DETAIL CROSS SECTIONS



REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION
R0	Oct.-2019	
R1	April.-2020	

CLIENT

NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(MINISTRY OF ROAD TRANSPORT & HIGHWAY)
GOVERNMENT OF INDIA



CONSULTANT:


TPF Getinsa Euroestudios S.L.
In Association with
RODIC CONSULTANTS PVT. LTD.
1, JAI SINGH MARG (FIRST FLOOR), YMCA
CULTURAL CENTRE BUILDING
NEW DELHI - 110001 (INDIA)

FINAL DETAILED PROJECT REPORT
PACKAGE-1A GOHA-KHELANI
(km 12+850 to km 20+300)

Scale
N.T.S.

Designed:
Drawn:
Checked:
Approved:

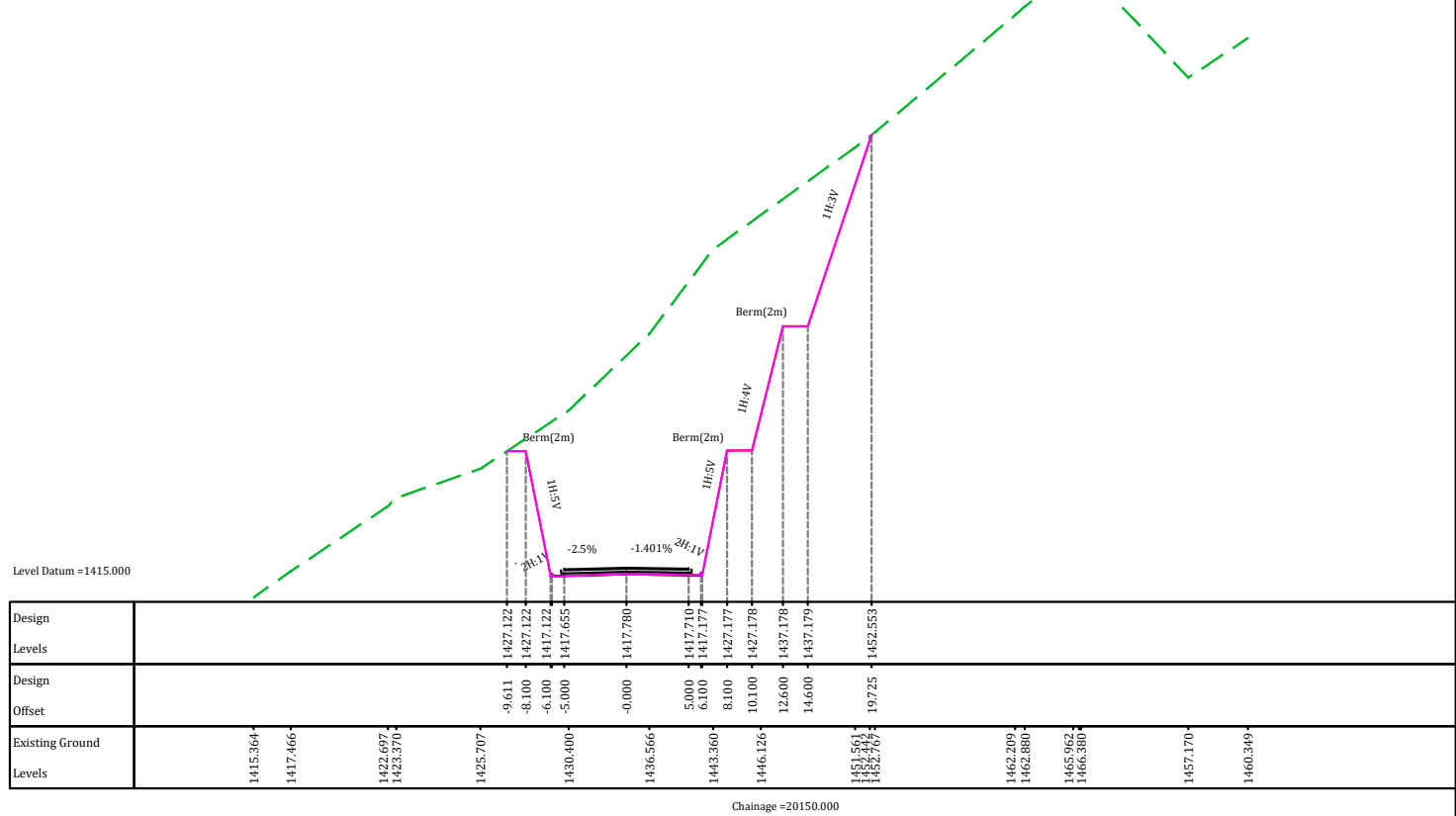
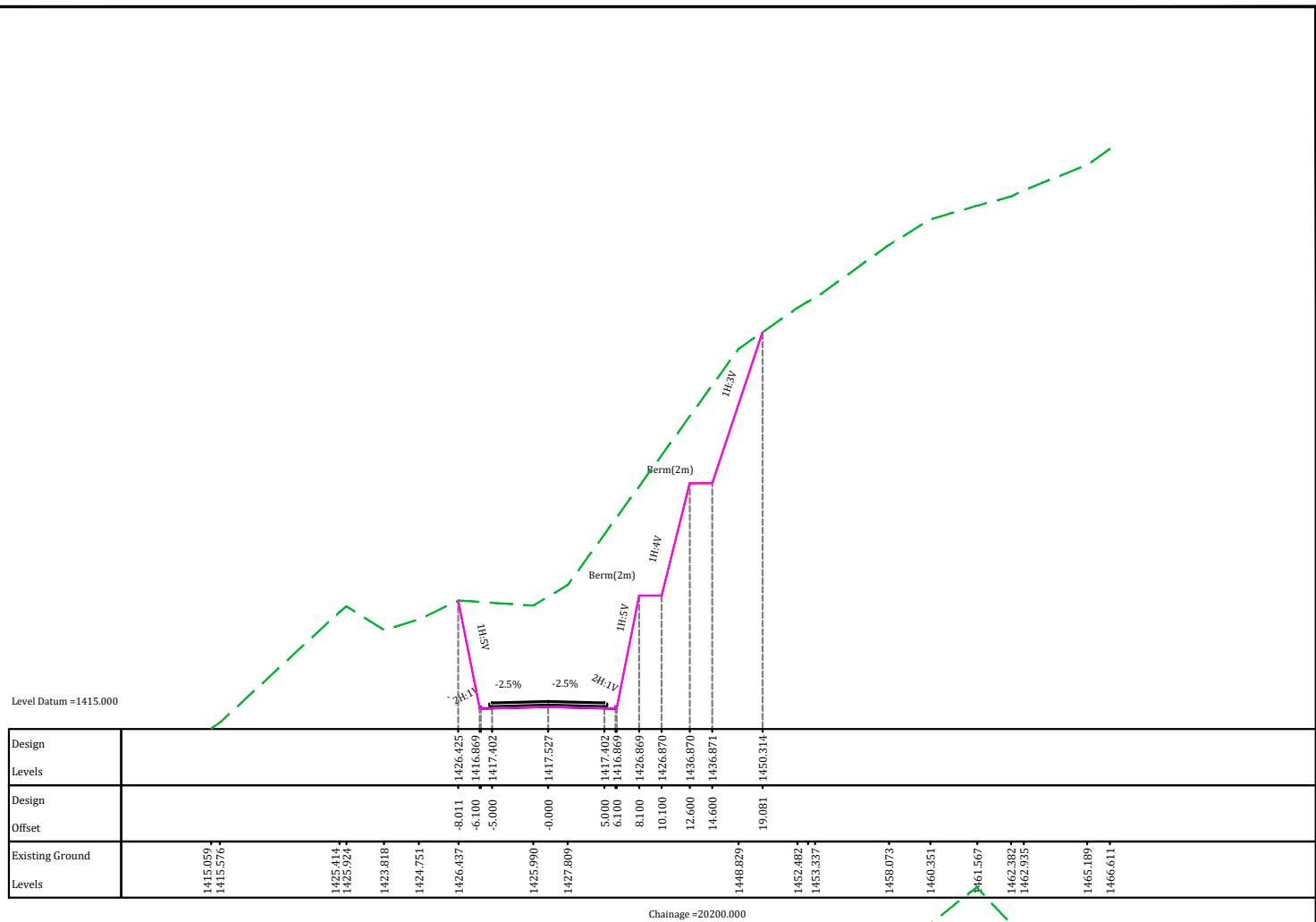
Drawing Title
Drawing No.

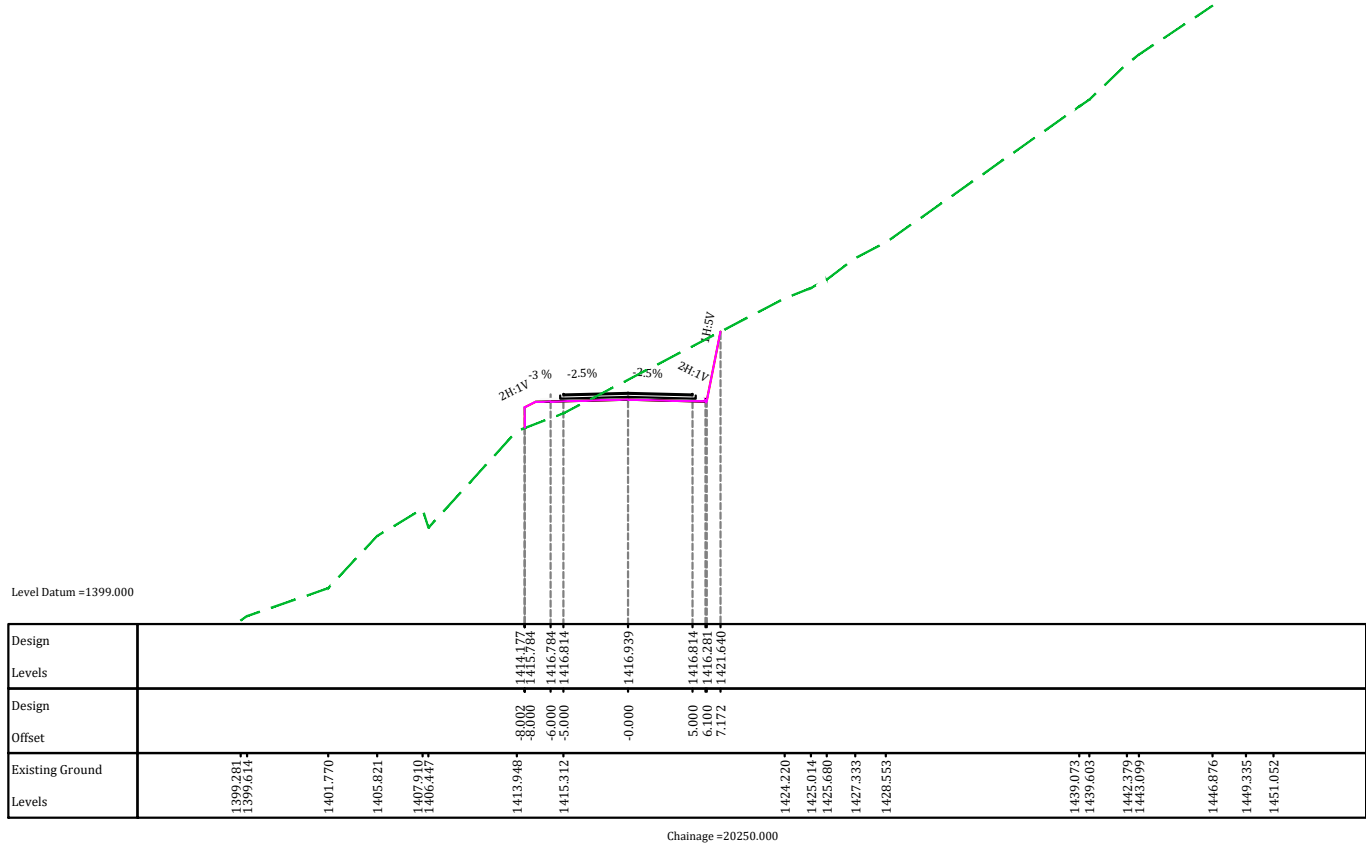
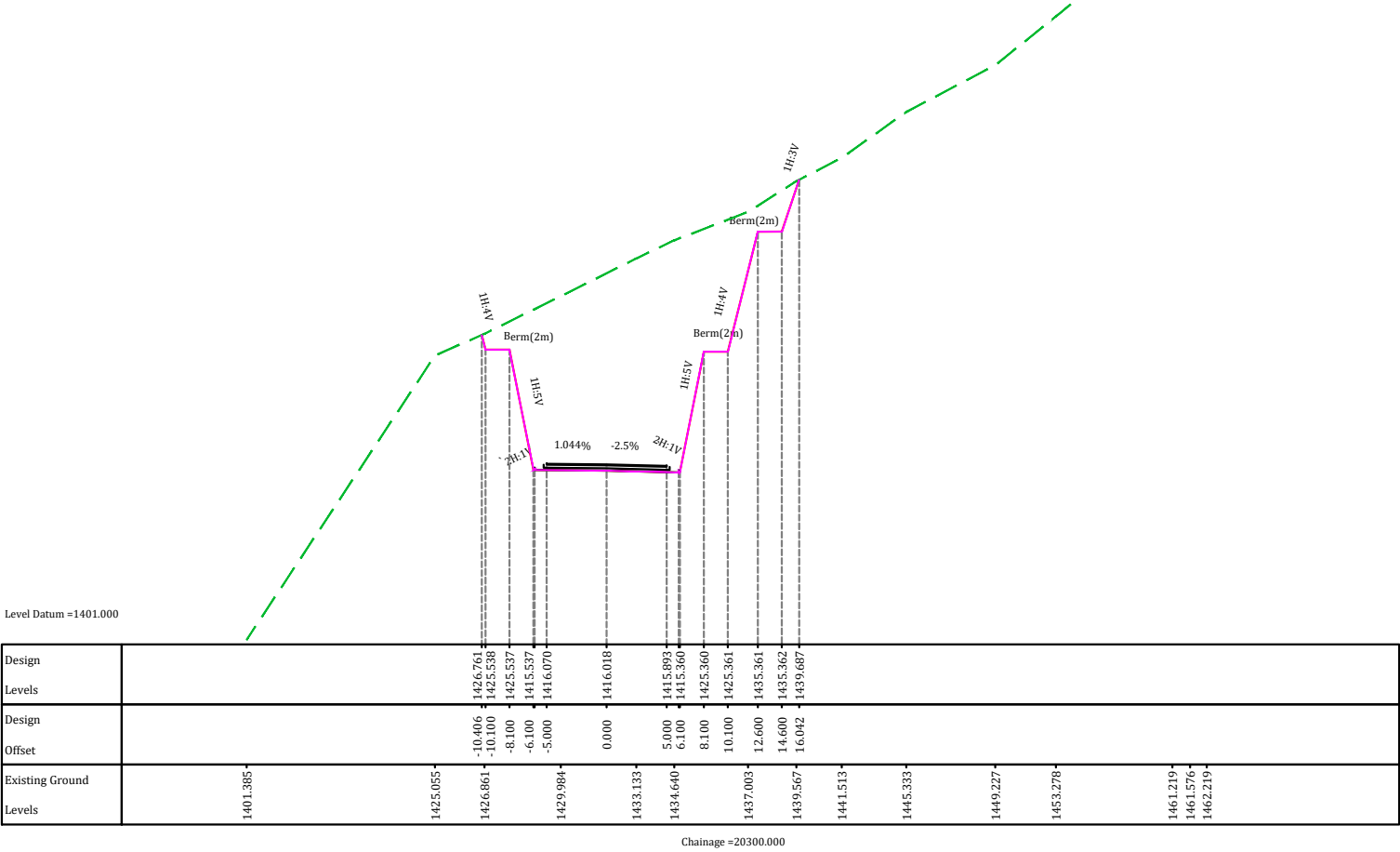
Project

Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.

DETAIL CROSS SECTIONS

RCPL-TPF-3-BHC- 36 -R1





REVISION	DATE	AMENDMENT \ ISSUE DESCRIPTION	CLIENT	CONSULTANT:	FINAL DETAILED PROJECT REPORT		Project	Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities in respect of the following stretches on NH-244 (old NH-1B) in the State of Jammu & Kashmir. (i) Sudhmahadev – Dranga Tunnel of approx. length 4.5 Km and its approach roads on Chenani – Sudhmahadev – Goha road portion. (ii) Vailoo Tunnel of approx length 10.00 Km under Sinthan Pass and its approach roads on Goha – Khellani – Khanabal road portion & the extended road section from Goha side approach road of Sudhmahadev Dranga tunnel upto Khellani town.
R0	Oct.-2019		NATIONAL HIGHWAY & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD. (MINISTRY OF ROAD TRANSPORT & HIGHWAY) GOVERNMENT OF INDIA	TPF Getinsa Euroestudios S.L. In Association with RODIC CONSULTANTS PVT. LTD. 1, JAI SINGH MARG (FIRST FLOOR), YMCA CULTURAL CENTRE BUILDING NEW DELHI - 110001 (INDIA)	PACKAGE-1A GOHA-KHELANI (km 12+850 to km 20+300)			
R1	April.-2020				Scale N.T.S.			
					Designed:		Drawing Title	DETAIL CROSS SECTIONS
					Drawn:			
					Checked:			
					Approved:		Drawing No.	RCPL-TPF-3-BHC-37 -R1