

GOVERNMENT OF KHYBER PAKHTUNKHWA
 KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)
 FLOOD AND TOURISM ROADS DISTRICT CHITRAL

PACKAGE 7 LOT-2

SUMMARY OF BILLS

S No	DESCRIPTION	TOTAL AMOUNT CHT-9	TOTAL AMOUNT UCH-NR-1	TOTAL AMOUNT IN FIGURES (RS)
1	BILL NO: 1 EARTH WORK			
2	BILL NO: 2 ROAD WORK (SUB-BASE, BASE AND SURFACE COURSE)			
3	BILL NO: 3 CULVERTS AND CAUSEWAYS			
4	BILL NO: 4 RETAINING WALLS AND BREAST WALL			
5	BILL NO: 4a CONSTRUCTION OF RCC BRIDGES			
6	BILL NO: 5 DRAINAGE AND ANTI EROSION WORK			
7	BILL NO: 6 ANCILLARY WORKS			
8	BILL NO: 6a REST AREA			
9	BILL NO: 6b WALKING TRACK AND STRAIRS			
10	BILL NO: 6d CLEARANCE OF SNOWFALL	19,805,000.00	23,300,000.00	43,105,000.00
TOTAL AMOUNT OF CIVIL WORK:				
TOTAL AMOUNT OF CIVIL WORK IN MILLIONS:				



[Handwritten signature]

[Handwritten signature]

GOVERNMENT OF KHYBER PAKHTUNKHWA		
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		
REHABILITATION, IMPROMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)		
PACKAGE 7 LOT-2		
SUMMARY OF BILLS		
S No	DESCRIPTION	TOTAL AMOUNT IN FIGURES (RS)
1	BILL NO: 1 EARTH WORK	-
2	BILL NO: 2 ROAD WORK (SUB-BASE, BASE AND SURFACE COURSE)	-
3	BILL NO: 3 CULVERTS AND CAUSEWAYS	-
4	BILL NO: 4 RETAINING WALLS AND BREAST WALL	-
5	BILL NO: 4a CONSTRUCTION OF RCC BRIDGES	-
6	BILL NO: 5 DRAINAGE AND ANTI EROSION WORK	-
7	BILL NO: 6 ANCILLARY WORKS	-
8	BILL NO: 6a REST AREA	-
9	BILL NO: 6b WALKING TRACK AND STRAIRS	-
10	BILL NO: 6d CLEARANCE OF SNOWFALL	19,805,000.00
TOTAL AMOUNT OF CIVIL WORK:		
TOTAL AMOUNT OF CIVIL WORK IN MILLIONS:		


 Project Director (PTU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL NO: 1 EARTH WORK

101	Clearing and Grubbing.	SM	41,382.00			-
104	Compaction of Natural Ground.	SM	41,382.00			-
108a	Formation of Embankment from Road way excavation in common material	CM	67,883.78			-
108b (iii)	Formation of Embankment from Roadway excavation in Soft Rock Material	CM	45,255.85			-
106a / 106c	Excavate Unsuitable / Surplus Common Material	CM	23,403.63			-
106bi / di	Excavate Unsuitable / Surplus Hard Rock Material	CM	13,915.67			-
106bi / dii	Excavate Unsuitable / Surplus Medium Rock Material	CM	13,283.14			-
106biil / diii	Excavate Unsuitable / Surplus Soft Rock Material	CM	12,650.61			-
109a	Subgrade preparation in Earth Cut	SM	65,835.00			-
Total:						-



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL # 2 ROAD WORK (SUB-BASE, BASE AND SURFACE COURSE)

201	Granular Sub Base	CM	15,419.00			-
401a2 ii	Concrete Class A2 (ON GROUND)	CM	17,357.00			-
310.2.3	Providing and laying Polythene sheet heavy weight under rigid pavement including overlapping, wastage and cortage etc.complete as per drawing.	SM	83,790.00			-
SIW-15 406a	Prenoulded Joint Filler 20 mm Thick with Bitumastic joint seal	M	16,758.00			-
Total:						-




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL # 3 (CULVERTS AND CAUSEWAYS)

107a	Structural Excavation in Common Material.	CM	1,701.00			-
401f	Lean Concrete	CM	406.00			-
401 a3ii	Concrete Class A3 (On ground)	CM	2,371.00			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	260.57			-
507 b	Rock Fill in Gabions	CM	7,830.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	13,500.00			-
501d	R.C.C. Pipe Culvert AASHTO M 170 Class II Dia 610 mm	M	150.00			-
501f	R.C.C. Pipe Culvert AASHTO M 170 Class II Dia 910 mm	M	60.00			-
502 b	Concrete Class B in Bedding and Encasement of Concrete Pipe Culvert.	CM	265.00			-
SIW-13	Providing and filling sand behind abutment of culverts and causeways	CM	4,382.00			-
Total:						-



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL # 4 (RETAINING WALLS AND TOE WALLS)

107a	Structural Excavation in Common Material.	CM	22,779.00			-
107c	Common Backfill	CM	5,376.00			-
401b	Concrete Class B	CM	3,693.00			-
401a1 (ii)	Concrete Class A1 (ON GROUND)	CM	204.00			-
401f	Lean Concrete	CM	4,974.00			-
SIW-8 401h	Plain Concrete (Class 'B' with 40% Boulders/ Rock) as per drawing & Engineer's Instructions	CM	53,396.00			-
Total:						-




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshwar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL # 4a (CONSTRUCTION OF RCC BRIDGES)

407i	Pile Load Tests to 2 times the design load	Each	4.00			-
SIW 7 (Item 407)	Exploratory/Confirmatory Boring and Soil testing, including soil investigation report					-
SIW 7 a	Exploratory/Confirmatory Boring	M	150.00			-
SIW 7 b	Soil testing, / investigation report	L.Sum	4.00			-
407d	Cast-in-place, Reinforced Concrete Cylindrical Piles dia 1200 mm	M	1,450.00			-
107a	Structural Excavation in Common Material.	CM	1,876.88			-
401f	Lean Concrete	CM	319.33			-
401a3 (ii)	Concrete Class 'A 3' (ON GROUND)	CM	1,899.83			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	598.20			-
SIW-13	Providing and filling sand behind abutment of bridges	CM	5,548.80			-
407-7(b)	Supply and Fabrication of Permanent Lining	Kg	14,465.85			-
SIW-13	Providing and filling sand behind abutment of culverts and causeways	CM	561.00			-
406 c	Elastomeric Bearing Pads & as per approved drawing	Cu.cm	396,000.00			-
401 d ii	Concrete Class 'D 2'	CM	445.28			-
SIW 4 405b	Launching of Girders in place including lifting, handling and temporary works	M	540.00			-
SIW-5	Galvanized Iron Drain Pipe, 75 mm Diameter	Each	100.00			-
401a3 (iii)	Concrete Class 'A 3' (ELEVATED) (Deck Slab, Diaphragm, Walkway and Barrier)	CM	498.96			-
SIW 12 406c	Supply and place in position expansion joint assemblies as specified & as per approved drawing	M	83.70			-
SIW 4 405a	Prestressing High Tensile Steel Including Sheathing, Anchorages, Assemblies, Grouting and Stressing Complete in All Respect	KG	18,001.54			-
SIW-6	PVC Pipe sched. 40 200 mm Dia. for Services.	M	1,080.00			-
Total:						-

Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ:			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL # 5 (DRAINAGE AND ANTI EROSION WORK)

107a	Structural Excavation in Common Material.	CM	4,109.00			-
107c	Common Backfill	CM	3,383.00			-
401b	Concrete Class B	CM	3,828.00			-
401a.ii	Concrete Class A1 (ON GROUND)	CM	90.00			-
404 b	Reinforcement as per AASHTO M 31 Grade 60	Ton	14.13			-
507 b	Rock Fill in Gabions	CM	16,530.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	28,500.00			-
401f	Lean Concrete	CM	1,440.00			-
Total:						-



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL # 6 (ANCHILARY WORKS)

610 c	Kilometer Post	EACH	17.00			-
607 a	Traffic Road Signs Category 1 Size 75 CM	EACH	8.00			-
607 b	Traffic Road Signs Category 2 Size dia 75 CM	EACH	4.00			-
607c	Traffic Road Signs Category 3 (a)	EACH	4.00			-
607 d	Traffic Road Signs Category 3 (b)	EACH	2.00			-
608 h	Pavement Marking in reflective TP paint for line of 15 cm width.	M	35,910.00			-
609 a	Reflectorised Pavement Stud (Flush Surface Type Single)	EACH	3,420.00			-
604 a	Metal Guard Rail	M	6,600.00			-
604 b	Guard Rail End pieces	EACH	80.00			-
604 d	Steel Post for Guard Rail	EACH	2,200.00			-
Total:						-

BILL # 6b (REST AREA)

P.S	Building Works	SM	340.00			-
P.S	Pavement Work	SM	810.00			-
Total:						-




 Project Director (FIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM PASHTY ROAD, PREET TO PASHTY VALLEY DISTRICT CHITRAL (TOTAL LENGTH 17.10KM)(N-CHT-9)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL NO: 6b WALKING TRACK AND STRAIRS

101	Clearing and Grubbing.	SM	800.00			-
104	Compaction of Natural Ground.	SM	800.00			-
108a	Formation of Embankment from Road way excavation in common material	CM	1,284.00			-
106a / 106c	Excavate Unsuitable Common Material	CM	642.00			-
106b (i)	Excavate Unsuitable Hard Rock Material Unclassified	CM	1,155.60			-
106b (ii)	Excavate Unsuitable Medium Rock Material Unclassified	CM	770.40			-
SIW 14 (Item 511 b)	Grouted Stone Pitching (C.S. 1:6)	CM	2,400.00			-
SIW-16 401h	Plum Concrete (Class 'B' with 40% Boulders/ Rock) as per drawing & Engineer's Instructions	CM	405.00			-
401b	Concrete Class B	CM	324.00			-
401a(ii)	Concrete Class A1 (ON GROUND)	CM	576.00			-
411g	Roll Pointing on Stone Work	SM	1,440.00			-
109a	Subgrade preparation in Earth Cut	SM	2,400.00			-
Total:						-

BILL # 6d (CLEARANCE OF SNOWFALL)

SIW-6-1	Removal of Snowfall Till end of Defect Liability and cost will paid as per The Engineer Directive.	L/S	19,805,000.00			19,805,000.00
Total:						19,805,000.00

Project Director (PII)
 Provincial Roads Improvement Project
 C&W Department Peshawar



GOVERNMENT OF KHYBER PAKHTUNKHWA		
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NR1)		
PACKAGE 7 LOT-2		
SUMMARY OF BILLS		
S No	DESCRIPTION	TOTAL AMOUNT IN FIGURES (RS)
1	BILL NO: 1 EARTH WORK	-
2	BILL NO: 2 ROAD WORK (SUB-BASE, BASE AND SURFACE COURSE)	-
3	BILL NO: 3 CULVERTS AND CAUSEWAYS	-
4	BILL NO: 4 RETAINING WALLS AND BREAST WALL	-
5	BILL NO: 4a CONSTRUCTION OF RCC BRIDGES	-
6	BILL NO: 5 DRAINAGE AND ANTI EROSION WORK	-
7	BILL NO: 6 ANCILLARY WORKS	-
8	BILL NO: 6d CLEARANCE OF SNOWFALL	23,300,000.00
TOTAL AMOUNT OF CIVIL WORK:		
TOTAL AMOUNT OF CIVIL WORK IN MILLIONS:		



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA

KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)

REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NRI)

PACKAGE 7 LOT-2

BILLS OF QUANTITIES

NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL NO: 1 EARTH WORK

101	Clearing and Grubbing.	SM	33,330.00			-
104	Compaction of Natural Ground.	SM	33,330.00			-
108a	Formation of Embankment from Road way excavation in common material	CM	21,281.86			-
108b (iii)	Formation of Embankment from Roadway excavation in Soft Rock Material	CM	14,187.91			-
106a / 106c	Excavate Unsuitable / Surplus Common Material	CM	105,422.72			-
106bi / di	Excavate Unsuitable / Surplus Hard Rock Material	CM	39,533.52			-
106bi / dii	Excavate Unsuitable / Surplus Medium Rock Material	CM	44,804.66			-
106biii / diii	Excavate Unsuitable / Surplus Soft Rock Material	CM	73,795.91			-
109a	Subgrade preparation in Earth Cut	SM	48,884.00			-
Total:						-




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA					
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)					
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVEER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NR1)					
PACKAGE 7 LOT-2					
BILLS OF QUANTITIES					
NHA Specification Item No.	DESCRIPTION	Unit	BOQ		
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words

BILL # 2 ROAD WORK (SUB-BASE, BASE AND SURFACE COURSE)

201	Granular Sub Base	CM	17,071.00			-
401a2 ii	Concrete Class A2 (ON GROUND)	CM	20,307.00			-
310.2.3	Providing and laying Polythene sheet heavy weight under rigid pavement including overlapping, wastage and cartage etc.complete as per drawing.	SM	98,980.00			-
SIW-15 406a	Prenoulded Joint Filler 20 mm Thick with Bitumastic joint seal	M	9,898.00			-
Total:						-



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA					
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)					
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVEER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NR1)					
PACKAGE 7 LOT-2					
BILLS OF QUANTITIES					
NHA Specification Item No.	DESCRIPTION	Unit	BOQ		
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words

BILL # 3 (CULVERTS AND CAUSEWAYS)

107a	Structural Excavation in Common Material.	CM	1,361.00			-
401f	Lean Concrete	CM	349.00			-
401 a3ii	Concrete Class A3 (On ground)	CM	2,181.00			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	256.81			-
507 b	Rock Fill in Gabions	CM	5,220.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	7,200.00			-
501d	R.C.C. Pipe Culvert AASHTO M 170 Class II Dia 610 mm	M	150.00			-
501f	R.C.C. Pipe Culvert AASHTO M 170 Class II Dia 910 mm	M	60.00			-
502 b	Concrete Class B in Bedding and Encasement of Concrete Pipe Culvert.	CM	551.00			-
SIW-13	Providing and filling sand behind abutment of culverts and causeways	CM	3,728.00			-
Total:						-



Project Director (P.W.)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVEER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NR1)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL # 4 (RETAINING WALLS AND TOE WALLS)

107a	Structural Excavation in Common Material.	CM	24,064.00			-
107c	Common Backfill	CM	5,489.00			-
401b	Concrete Class B	CM	3,094.00			-
401a1 (ii)	Concrete Class A1 (ON GROUND)	CM	621.00			-
401f	Lean Concrete	CM	5,214.00			-
SIW-8 401h	Plum Concrete (Class 'B' with 40% Boulders/ Rock) as per drawing & Engineer's Instructions	CM	55,656.00			-
Total:						-



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROMENT AND CONSTRUCTION OF ROAD FROM OVEER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NR1)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL # 4a (CONSTRUCTION OF RCC BRIDGES)

407i	Pile Load Tests to 2 times the design load	Each	2.00			-
SIW 7 (Item 407)	Exploratory/Confirmatory Boring and Soil testing, including soil investigation report					-
SIW 7 a	Exploratory/Confirmatory Boring	M	60.00			-
SIW 7 b	Soil testing, / investigation report	L.Sun	2.00			-
407d	Cast-in-place, Reinforced Concrete Cylindrical Piles dia 1200 mm	M	710.00			-
107a	Structural Excavation in Common Material.	CM	873.18			-
401f	Lean Concrete	CM	101.48			-
401a3 (ii)	Concrete Class 'A 3' (ON GROUND)	CM	834.28			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	314.23			-
SIW-13	Providing and filling sand behind abutment of bridges	CM	2,774.40			-
406 c	Elastomeric Bearing Pads & as per approved drawing	Cu.cm	158,400.00			-
401 d ii	Concrete Class 'D 2'	CM	98.03			-
SIW 4 405b	Launching of Girders in place including lifting, handling and temporary works	M	120.00			-
SIW-5	Galvanized Iron Drain Pipe, 75 mm Diameter	Each	40.00			-
401a3 (iii)	Concrete Class 'A 3' (ELEVATED) (Deck Slab, Diaphragm, Walkway and Barrier)	CM	266.83			-
SIW 12 406c	Supply and place in position expansion joint assemblies as specified & as per approved drawing	M	37.20			-
SIW 4 405a	Prestressing High Tensile Steel including Sheathing, Anchorages, Assemblies, Grouting and Stressing Complete in All Respect	K.G	4,844.93			-
SIW-6	PVC Pipe sched. 40 200 mm Dia. for Services.	M	280.00			-
Total:						-

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NR1)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL # 5 (DRAINAGE AND ANTI EROSION WORK)

107a	Structural Excavation in Common Material.	CM	4,505.00			-
107c	Common Backfill	CM	4,043.00			-
401b	Concrete Class B	CM	5,717.00			-
401a ii	Concrete Class A1 (ON GROUND)	CM	90.00			-
404 b	Reinforcement as per AASHTO M 31 Grade 60	Ton	9.18			-
507 b	Rock Fill in Gabions	CM	16,530.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	28,500.00			-
401f	Lean Concrete	CM	3,780.00			-
Total:						-



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM OVER ROAD DISTRICT CHITRAL (TOTAL LENGTH 20.20KM)(RRD-UCH-NRI)						
PACKAGE 7 LOT-2						
BILLS OF QUANTITIES						
NHA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) In Figures	Unit Rate (Rs) In Words	Total Amount (Rs) In Figures

BILL # 6 (ANCILLARY WORKS)

610 c	Kilometer Post	EACH	20.00			-
607 a	Traffic Road Signs Category 1 Size 75 CM	EACH	12.00			-
607 b	Traffic Road Signs Category 2 Size dia 75 CM	EACH	8.00			-
607c	Traffic Road Signs Category 3 (a)	EACH	6.00			-
607 d	Traffic Road Signs Category 3 (b)	EACH	4.00			-
608 b	Pavement Marking in reflective TP paint for line of 15 cm width.	M	42,420.00			-
609 a	Reflectorised Pavement Stud (Flush Surface Type Single)	EACH	4,040.00			-
604 a	Metal Guard Rail	M	6,000.00			-
604 b	Guard Rail End pieces	EACH	60.00			-
604 d	Steel Post for Guard Rail	EACH	2,000.00			-
Total:						-

BILL # 6d (CLEARANCE OF SNOWFALL)

SIW-6-1	Removal of Snowfall Till end of Defect Liability and cost will paid as per The Engineer Directive.	L/S	23,300,000.00			23,300,000.00
Total:						23,300,000.00



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.




PROJECT:

**KHYBER PAKHTUNKHWA
RURAL ROAD DEVELOPMENT PROJECT
(KP-RRDP)**

TENDER DRAWINGS

**RRD_UCH_NR1
OVER ROAD CHITRAL**

AUGUST, 2024


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



**GOVERNMENT OF KHYBER
PAKHTUNKHWA**

**COMMUNICATION & WORKS
DEPARTMENT
PROJECT IMPLEMENTATION UNIT(PIU)**



MINCONSULT SDN BHD
(Company No : 58835-P)



CREATIVE ENGINEERING CONSULTANTS
CREATIVE HOUSE, PHASE 3 CHOWK MAIN JAMRUD ROAD,
PESHAWAR.

SR.NO	TITLE	DWG NO.	SR.NO	TITLE	DWG NO.
1	TITLE PAGE		29	TYPICAL SIDE DRAIN	CEC/HW/KP-RRDP/RRD_UCH_NR1/STR-016
			30	TYPICAL CAUSEWAY	CEC/HW/KP-RRDP/RRD_UCH_NR1/STR-07
2	LIST OF DRAWINGS	CEC/HW/KP-RRDP/RRD_UCH_NR1/LD-01	31		
3	PROJECT LOCATION MAP				
4	GENERAL & TYPICAL DRAWINGS				
5	SYMBOLS & ABBREVIATIONS	CEC/HW/KP-RRDP/RRD_UCH_NR1/SA-03(a&b)			
6	GENERAL NOTES FOR ROAD CONSTRUCTION	CEC/HW/KP-RRDP/RRD_UCH_NR1/GN-04			
7	TYPICAL MINOR ROAD JUNCTION	CEC/HW/KP-RRDP/RRD_UCH_NR1/MJD-05(a-b)			
8	TYPICAL SUPER ELEVATION DETAILS	CEC/HW/KP-RRDP/RRD_UCH_NR1/SE-06			
9	TRAFFIC SIGNS DETAILS	CEC/HW/KP-RRDP/RRD_UCH_NR1/TSD-07(a-g)			
10	PAVEMENT MARKING DETAILS	CEC/HW/KP-RRDP/RRD_UCH_NR1/PM-08			
11	KILOMETER POST DETAILS	CEC/HW/KP-RRDP/RRD_UCH_NR1/KM-09			
12	GUARD RAIL DETAILS	CEC/HW/KP-RRDP/RRD_UCH_NR1/GR-10			
13	TYPICAL CROSS SECTIONS				
14					
15	TYPICAL CROSS SECTIONS	CEC/HW/KP-RRDP/RRD_UCH_NR1/TCS-01			
16	CENTER LINE DATA				
17	CENTER LINE DATA	CEC/HW/KP-RRDP/RRD_UCH_NR1/CL-01-07			
18	HORIZONTAL CURVE DATA				
19	HORIZONTAL CURVE DATA	CEC/HW/KP-RRDP/RRD_UCH_NR1/HCD-01-15			
22	LIST OF BENCH MARKS	CEC/HW/KP-RRDP/RRD_UCH_NR1/BM-01			
23	LIST OF CULVERTS , CAUSEWAYS	CEC/HW/KP-RRDP/RRD_UCH_NR1/CVT-01			
24	PLAN & PROFILE DRAWINGS				
25	PLAN & PROFILE DRAWINGS	CEC/HW/KP-RRDP/RRD_UCH_NR1/P&P-01-58			
26	STRUCTURAL DRAWINGS				
27	TYPICAL SLAB CULVERT	CEC/HW/KP-RRDP/RRD_UCH_NR1/STR-09-(a-b)			
28	TYPICAL PLUM-RETAINING WALL	CEC/HW/KP-RRDP/RRD_UCH_NR1/STR-14			

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

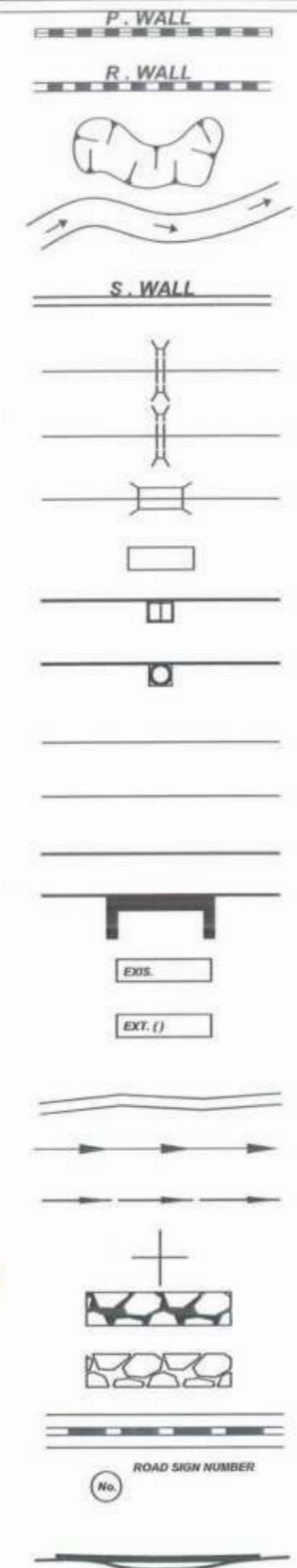
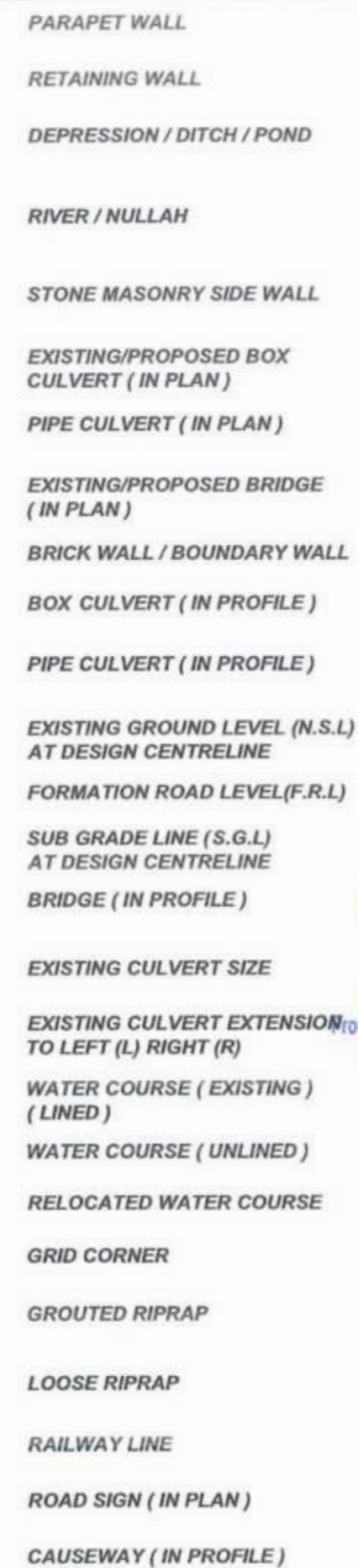
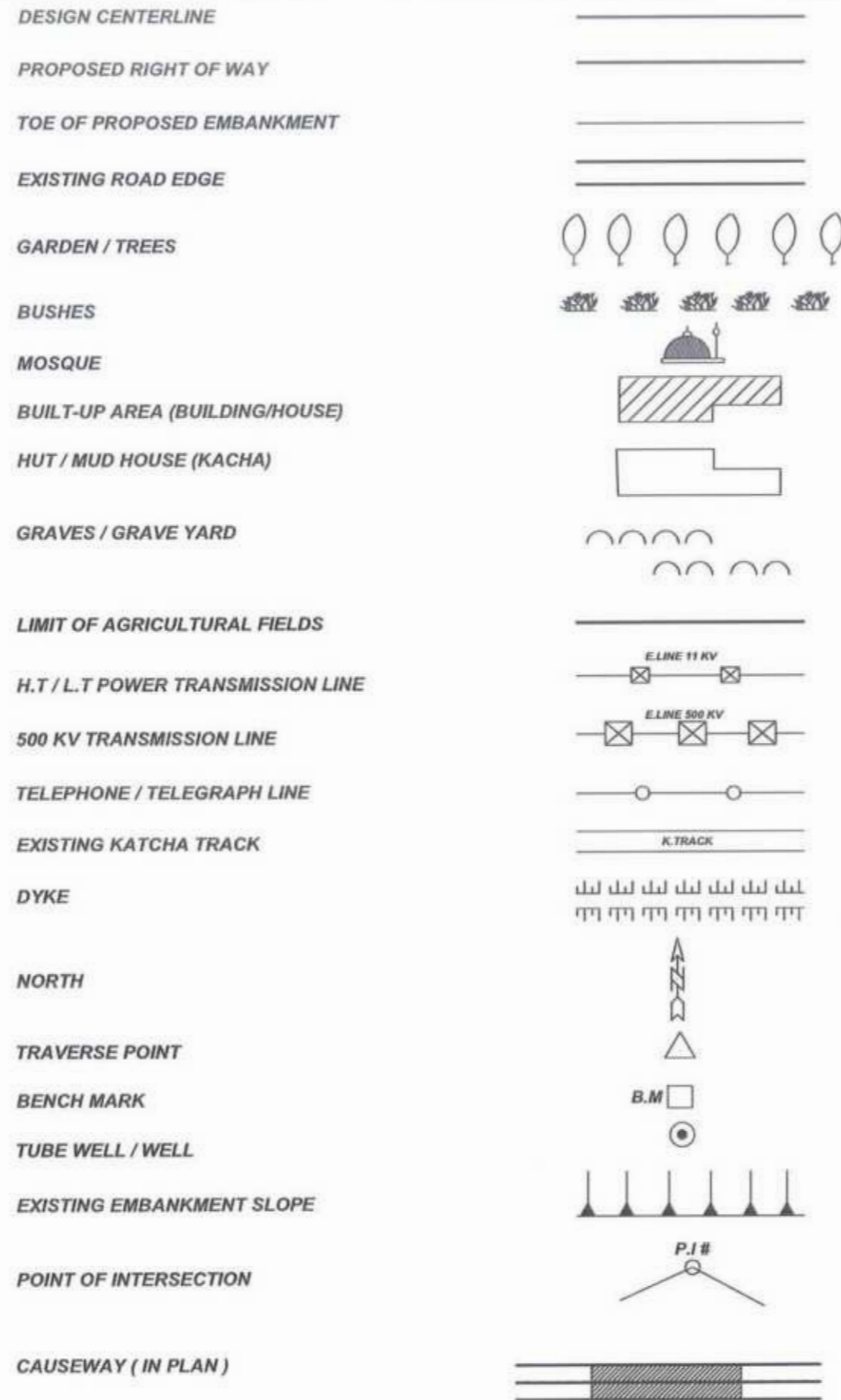


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED: AMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1	N.T.S.	LIST OF DRAWINGS
		1			DRAWN: IMRAN TARIQ		OVEER ROAD CHITRAL	DATE: AUG. 2024	
		2			CHECKED: SHAHZAD DURRANI		FLOOD AFFECTED ROAD		
		3			APPROVED: ACEEL YOUSUF				

GENERAL & TYPICAL DRAWINGS


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.





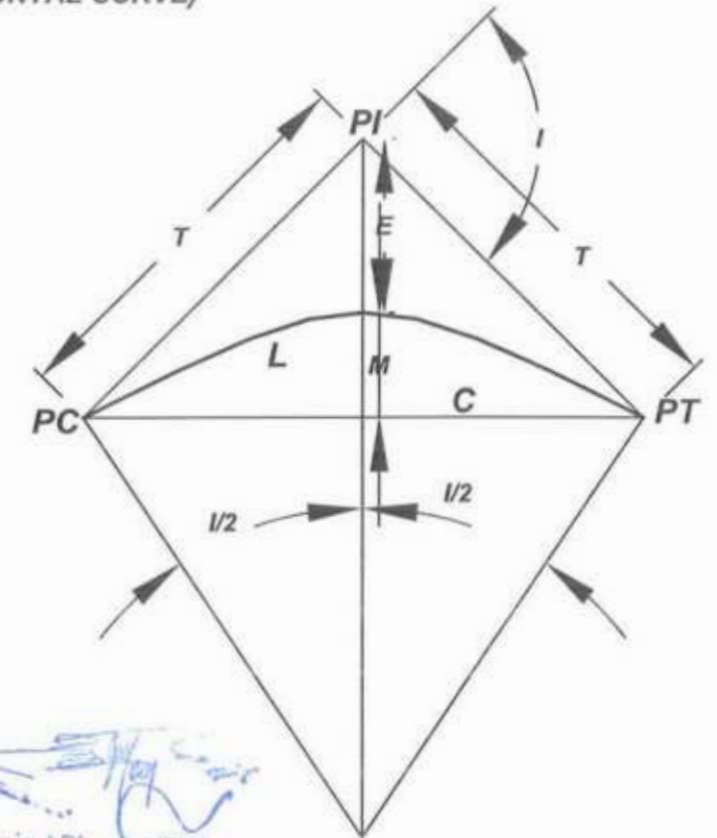
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: AMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	SYMBOLS & ABBREVIATION DWG NO: CEC/KP-RRDP/RRD_UCH_NR1_SA_03a
		a			DRAWN: IMRAN TARIQ		FLOOD AFFECTED ROAD	AUG. 2024	
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AQEEL YOUNIS				

A	AREA
B	BREADTH
BC	REINFORCED CONCRETE BOX CULVERT
B.M	BENCH MARK
BOP	BEGINNING OF PROJECT
C	CHORD LENGTH
C.B.R	CALIFORNIA BEARING RATIO
C/C	CENTER TO CENTER
CHD	CHECKED
C/L	CENTER LINE
CM	CENTIMETER
CONC	CONCRETE
CONST/JT	CONSTRUCTION JOINT
CUL	CULVERT
Cu.m	CUBIC METER
CURVE LEN	VERTICAL CURVE LENGTH
D	DEPTH
Da	DEGREE OF CURVE (BY ARC)
Dc	DEGREE OF CURVE (BY CHORD)
DEG	DEGREE
DIA	DIAMETER
DIM	DIMENSION
D/S	DOWNSTREAM
D.S.T	DOUBLE SURFACE TREATMENT
DRG	DRAWING
E	EASTING , EAST
E	EXTERNAL DISTANCE (SHIFT)
ELEV./EL	ELEVATION
EOP	END OF PROJECT
EXIS	EXISTING
EXT/JT	EXPANSION JOINT
F.R.L	FORMATION ROAD LEVEL
G.I	GALVANIZED IRON
H	HORIZONTAL
H.T/L.T	HIGH TENSION/LOW TENSION
HF	HEIGHT OF FILL
HWY	HIGHWAY
I	DEFLECTION ANGLE (HORIZONTAL CURVE)
Ic	CIRCULAR DEFLECTION ANGLE
I.L	INVERT LEVEL
K	K-FACTOR (VERTICAL CURVE)
Kg	KILOGRAM
KM/km	KILOMETER
L	LENGTH OF HORIZONTAL CURVE
LIN.M	LINEAR METER
LHS	LEFT HAND SIDE
LT	LEFT
M/m	METER
M	MIDDLE ORDINATE
MAX	MAXIMUM
M.H	MAN HOLE
MIN	MINIMUM
MM	MILLIMETER

MSE	CROSS SLOPE AT MAXIMUM SUPERELEVATION
N	NORTHING, NORTH
No	NUMBER
N.T.S	NOT TO SCALE
NSL	NATURAL SURFACE LEVEL
PROP:	PROPOSED
PC	POINT OF HORIZONTAL CURVATURE (START OF HORIZONTAL CURVE)
PC	REINFORCED CONCRETE PIPE CULVERT
PGL	PROFILE GRADE LINE
PI	POINT OF HORIZONTAL INTERSECTION
PR	POINT OF ROTATION
PT	POINT OF HORIZONTAL TANGENCY (END OF HORIZONTAL CURVE)
P.C.C	PLAN CEMENT CONCRETE
R	RADIUS OF HORIZONTAL CURVE
R.C.C	REINFORCED CONCRETE
REINF	REINFORCEMENT
REV	REVISION
RHS	RIGHT HAND SIDE
R.O.W	RIGHT OF WAY
R.R	RIP RAP
RT	RIGHT
R/W	RETAINING WALL
RWC ()	RELOCATION WATER COURSE (TYPE)
S.G.L	SUB GRADE LEVEL
S	SLOPE GRADIENT (PERCENT)
SE	SUPERELEVATION
S.B.P	SHOULDER BREAK POINT
SC	SLAB CULVERT
SHLD	SHOULDER
Sq.m	SQUARE METER
STA./STA	STATION
STRUCT	STRUCTURE
S'WALL	SIDE WALL
T	TANGENT LENTH OF HORIZONTAL CURVE
T.D	TOE DITCH
T.S.T	TRIPPLE SURFASE TREATMENT
TAN	TANGENT
TH	THICKNESS
TR	TRANSITION
TR	(TANGENT RUN OUT) = DISTANCE FROM BS TO THE PC
TYP	TYPICAL
U/S	UPSTREAM
V	VERTICAL
VAR	VARIABLE
VER	VERIFIED
VPC	VERTICAL POINT OF CURVATURE (START OF VERTICAL CURVE)
VPI	VERTICAL POINT INTERSECTION OF PROFILE GRADE.
VPT	VERTICAL POINT OF TANGENCY (END OF VERTICAL CURVE)
W	WEST,WIDTH OF ROADWAY
W.B.M	WATER BOUND MACADAM
WC	WATER COURSE
Ø	SKREW ANGLE



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.





CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	SYMBOLS & ABBREVIATION	
		a			DRAWN	IBRAHIM TARIO		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		FLOOD AFFECTED ROAD
		b			CHECKED	SHAHZAD DURRANI	AUG. 2024			
		c			APPROVED	AQEEL YOUNIS				

GENERAL NOTES FOR ROAD CONSTRUCTION

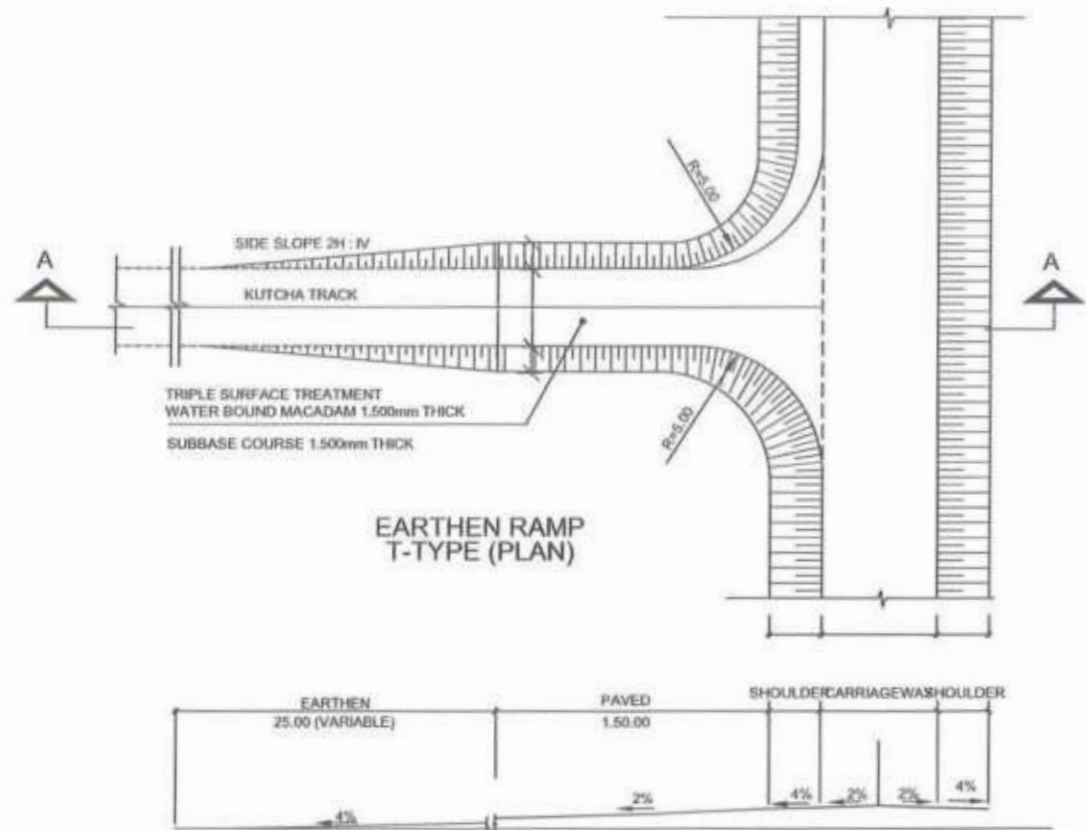

 Project Director (P.I.U.)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

1. GRID COORDINATES & ELEVATIONS FOR THE PROJECT ARE BASED ON UNIVERSAL TRANSVERSE MERCATOR (UTM WGS84).
2. EACH DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER DRAWINGS.
3. NOTES GIVEN ON DRAWINGS ADJACENT TO A SECTION OR DETAIL PERTAIN TO THAT PARTICULAR DETAIL ONLY.
4. THE CONTRACTOR SHALL ENDEAVOR MAXIMUM TO MAINTAIN UNINTERRUPTED FLOW OF TRAFFIC AT ITS ADJOINING CROSS ROADS AND SUBMIT A COMPREHENSIVE DIVERSION PLAN TO ENGINEER FOR APPROVAL.
5. ANY DAMAGE CAUSED TO THE UTILITIES DURING EXCAVATION/EXECUTION OF WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST TO THE EMPLOYER IN CONSULTATION WITH THE CONCERNED UTILITY PROVIDER.
6. CONTRACTOR SHALL PREPARE AND SUBMIT, FOR ENGINEER'S REPRESENTATIVE APPROVAL, CROSS-SECTION @25m INTERVAL DULY DESIGN TEMPLATES, SHOP DRAWINGS FOR STRUCTURES, PAVEMENT MARKINGS (LOCATION, TYPE AND SIZE), ROAD SIGNS ETC. ON THE PLAN SHEETS FOR THE APPROVAL OF ENGINEER/ENGINEER'S REPRESENTATIVE BEFORE EXECUTION OF RELATED WORKS WITHOUT ANY EXTRA COST TO THE EMPLOYER.
7. SERVICE DUCTS SHALL BE PROVIDED AT JUNCTION LOCATIONS OR AT AN INTERVAL AS DIRECTED BY THE ENGINEER.
8. STRUCTURES SHOWN ON PLAN ARE SYMBOLIC. THE LENGTHS, SIZES, SLOPE, INVERT LEVELS, SKEW ANGLE AND OTHERS DETAILS OF THE PROPOSED STRUCTURES AS SHOWN ON DRAWINGS ARE TENTATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS OF EACH STRUCTURE LOCATIONS WITH THE REQUIRED SKEW ANGLE AND OTHER DETAILS AS PER SITE REQUIREMENTS AND SHALL SUBMIT THEM TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION EXECUTION.\
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO CATER FOR ALL TEMPORARY TRAFFIC DIVERSION DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER INCLUDING DETOUR ROAD AND ITS MAINTENANCE, SPRINKLING OF WATER, GRADING AND COMPACTION WHEN AND WHERE REQUIRED WITHOUT ANY EXTRA COST TO EMPLOYER.
10. ROADWAY EXCAVATION MATERIAL SHALL BE UTILIZED IN THE MOST EFFECTIVE MANNER IN THE EMBANKMENT EVEN WITH BLENDING/ MIXING THE SUPERIOR MATERIALS (WHERE REQUIRED WITHOUT AT ANY EXTRA COST).ROADWAY SUITABLE EXCAVATION SHALL NOT BE DISPOSED OFF OUTSIDE RIGHT OF WAY WITHOUT WRITTEN APPROVAL OF THE ENGINEER BY EMPLOYER.

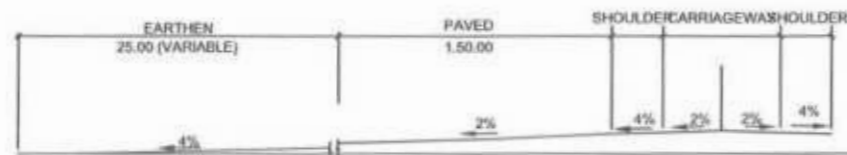


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD <small>(COMPANY NO. 59835-P)</small> J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	GENERAL NOTES FOR ROAD CONSTRUCTION <small>DWG NO: CEC/KP-RRDP/RRD_UCH_NR1/01-04</small>
		a			DRAWN	IMRAN TARIQ		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	
		b			CHECKED	SHAHZAD DURRANI	FLOOD AFFECTED ROAD		
						APPROVED	AGEEL YOUNIS		

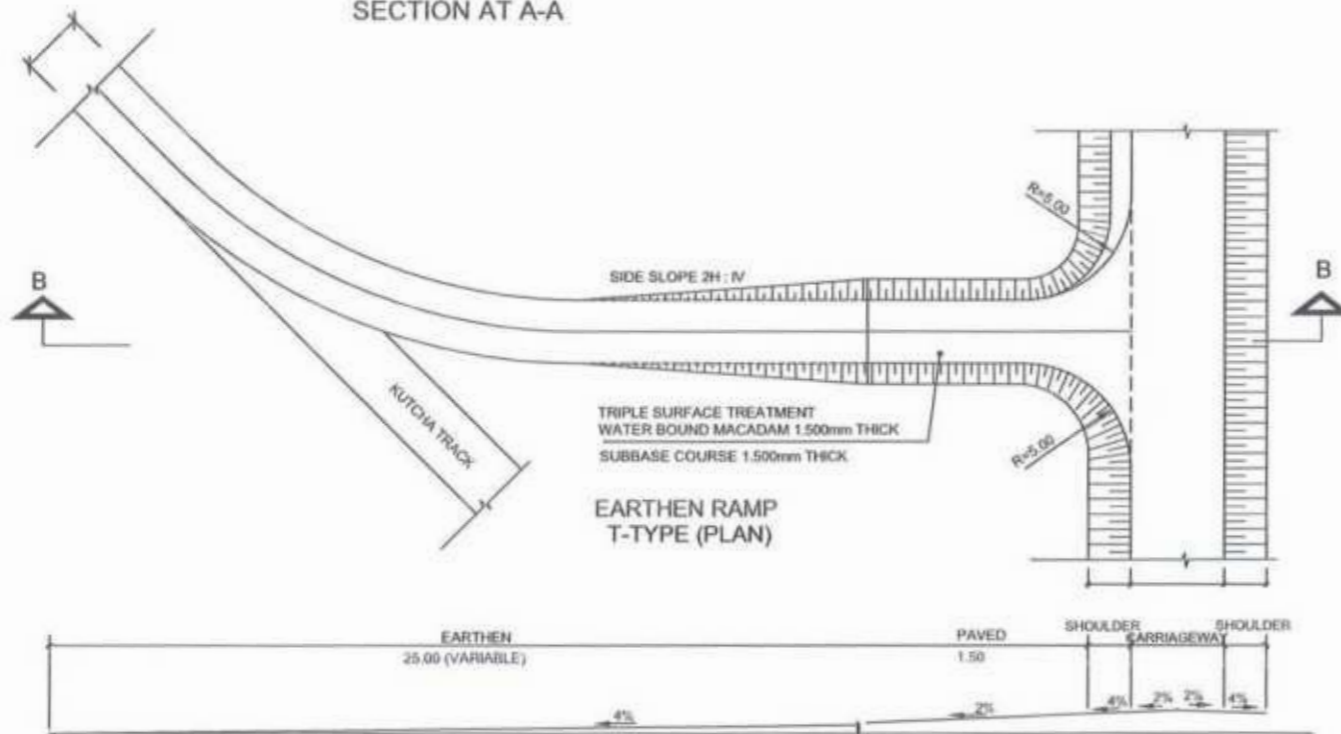
MINOR JUNCTION DETAIL



EARTHEN RAMP T-TYPE (PLAN)



SECTION AT A-A



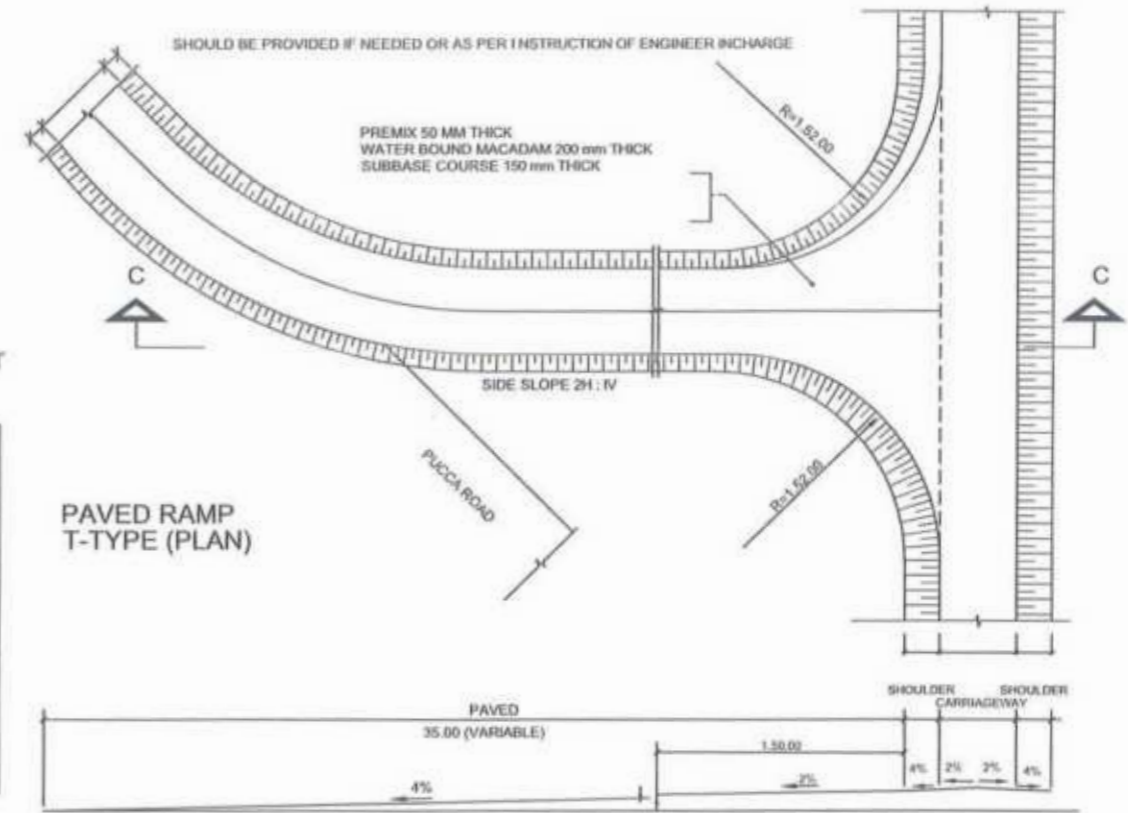
EARTHEN RAMP T-TYPE (PLAN)



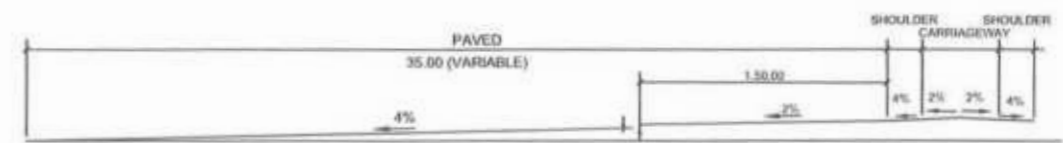
SECTION AT B-B

RECOMMENDED CURVE RADII FOR DIFFERENT ANGLES OF TURN

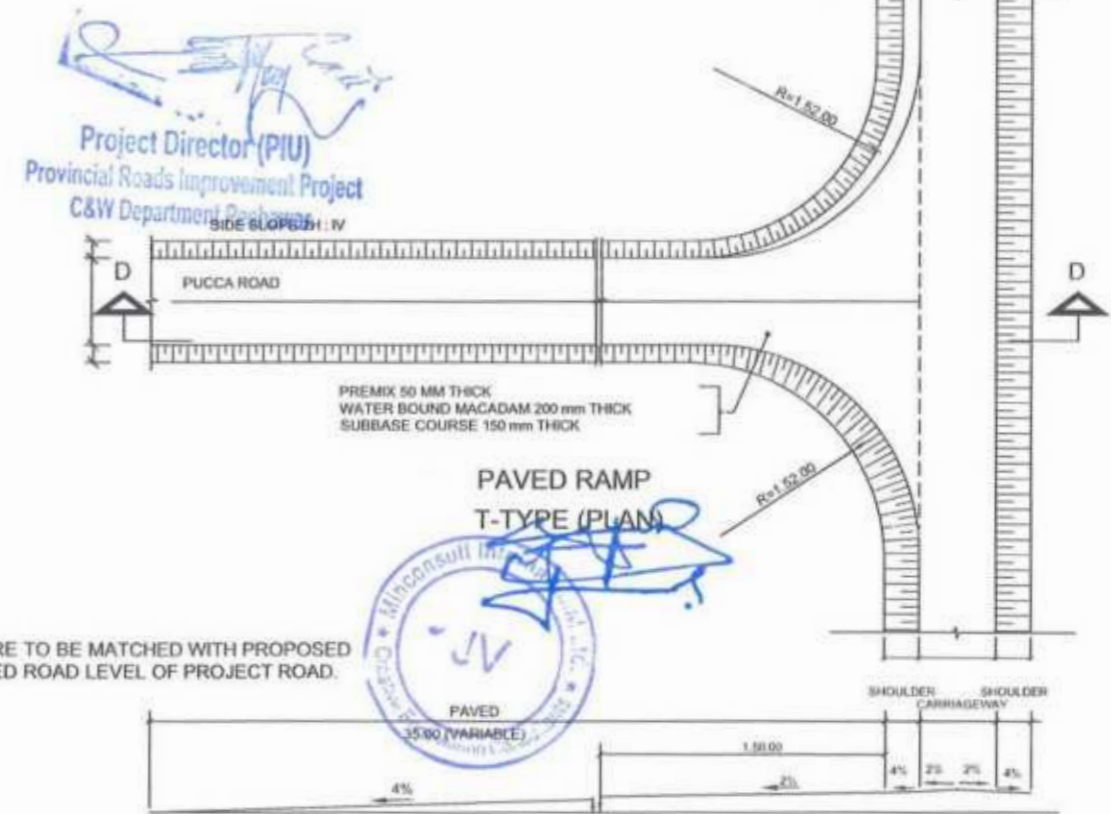
ANGLE OF TURN (DEGREES)	SIMPLE CURVE RADIUS (R) (METRES)
30	30
45	23
60	1.58
75	1.56
90	1.52 TO 1.55
>90	VARIABLE



PAVED RAMP T-TYPE (PLAN)



SECTION AT C-C



PAVED RAMP T-TYPE (PLAN)



SECTION AT D-D

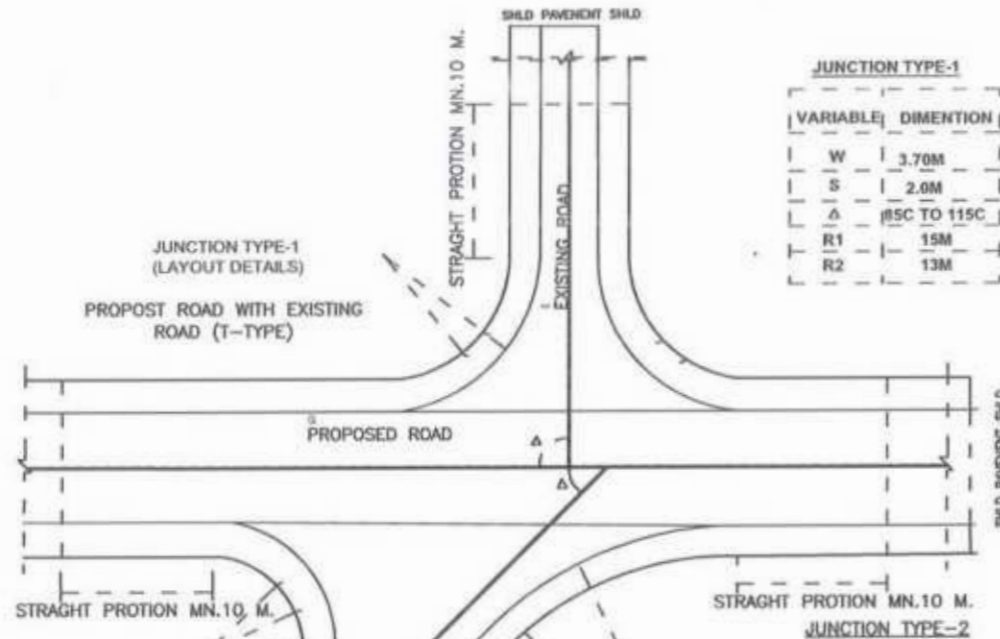
NOTE:
1.5- RAMPs ARE TO BE MATCHED WITH PROPOSED FINISHED ROAD LEVEL OF PROJECT ROAD.

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department

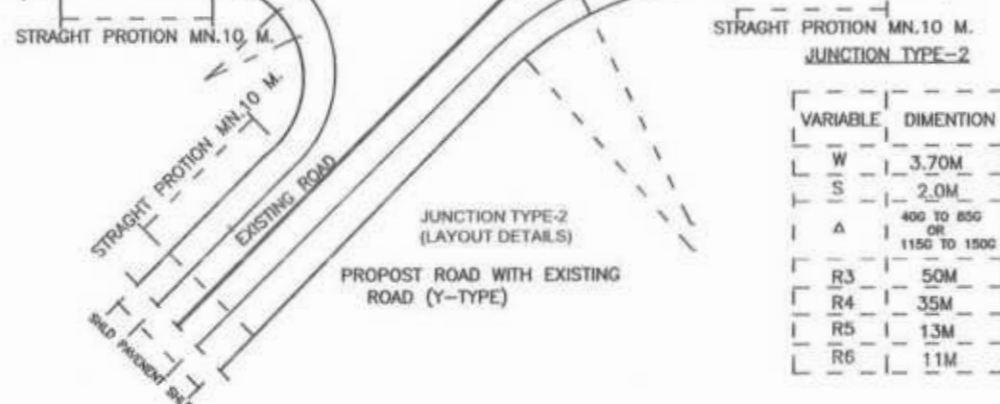


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58535-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S.	MINOR JUNCTION DETAILS
		a			DRAWN: IMRAN TARIQ		FLOOD AFFECTED ROAD	DATE:	
		b			CHECKED: SHAHZAD DURRAN			AUG. 2024	
		-			APPROVED: AQEEL YOUNIS				DWG NO: CEC/RP/RRD/9/RRD_UCH/RRU_MJD-054

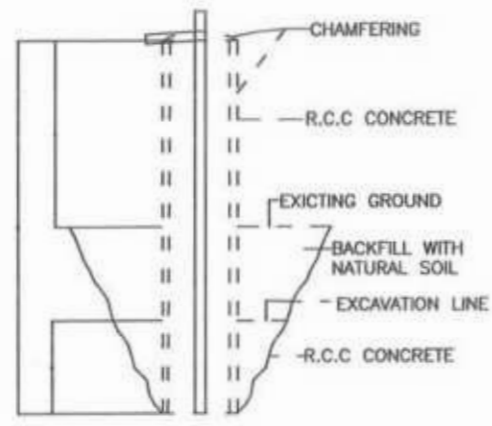
MINOR JUNCTION DETAIL



JUNCTION TYPE-1	
VARIABLE	DIMENTION
W	3.70M
S	2.0M
A	185C TO 115C
R1	15M
R2	13M



JUNCTION TYPE-2	
VARIABLE	DIMENTION
W	3.70M
S	2.0M
A	400 TO 850 OR 1150 TO 1500
R3	50M
R4	35M
R5	13M
R6	11M



ELEVATION (RIGHT OF WAY MARKER)

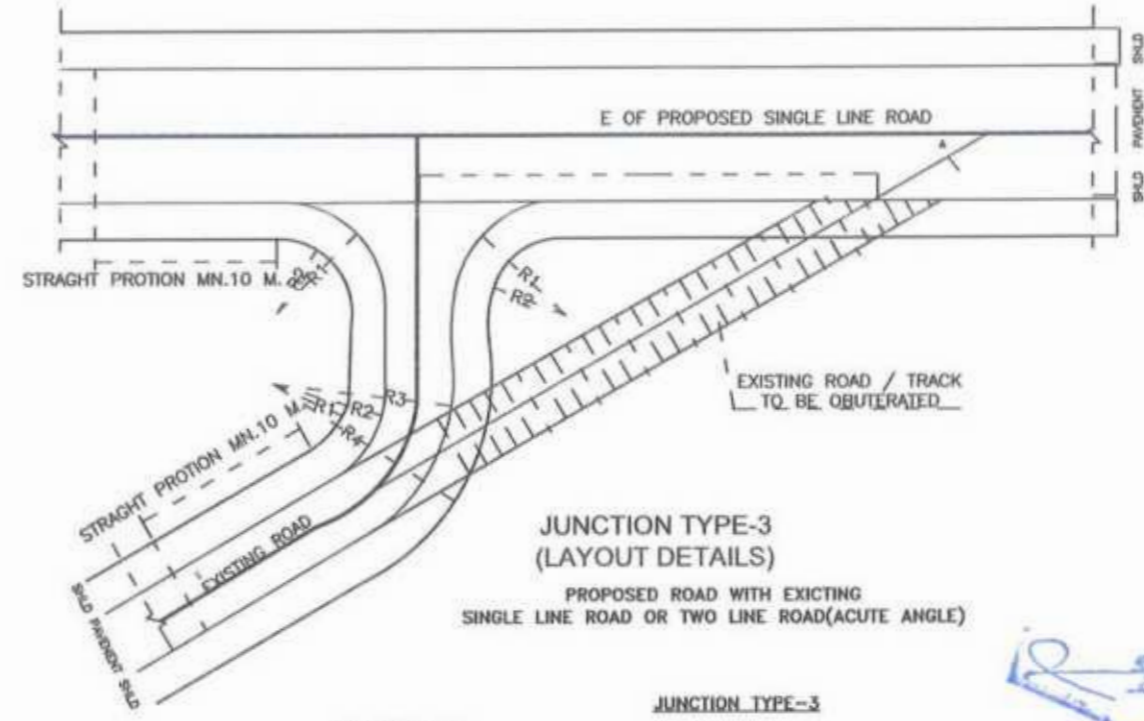
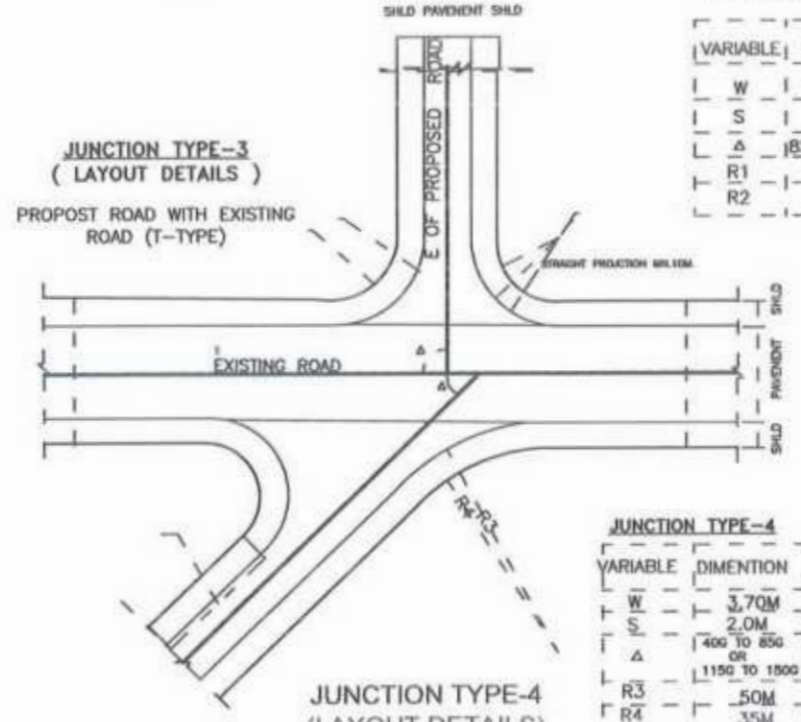


TABLE NO.5 APPLICABLE WHEN
1 <500 OR >1500
(JUNCTION WITH 2 LINE ROAD)
(2) 400 OR 1600)
(JUNCTION WITH SINGLE ROAD)

DIMENTION FOR JUSTIFICATION SINGLE LINE ROAD	
VARIABLE	DIMENTION
W	3.70M
S	2.0M
R1	15M
R2	13M
R3	25M
R4	27M



JUNCTION TYPE-3	
VARIABLE	DIMENTION
W	3.70M
S	2.0M
A	185C TO 115C
R1	15M
R2	13M

JUNCTION TYPE-4 (LAYOUT DETAILS) PROPOSED WITH EXISTING ROAD (Y-TYPE)

JUNCTION TYPE-4	
VARIABLE	DIMENTION
W	3.70M
S	2.0M
A	400 TO 850 OR 1150 TO 1500
R3	50M
R4	35M
R5	13M
R6	11M

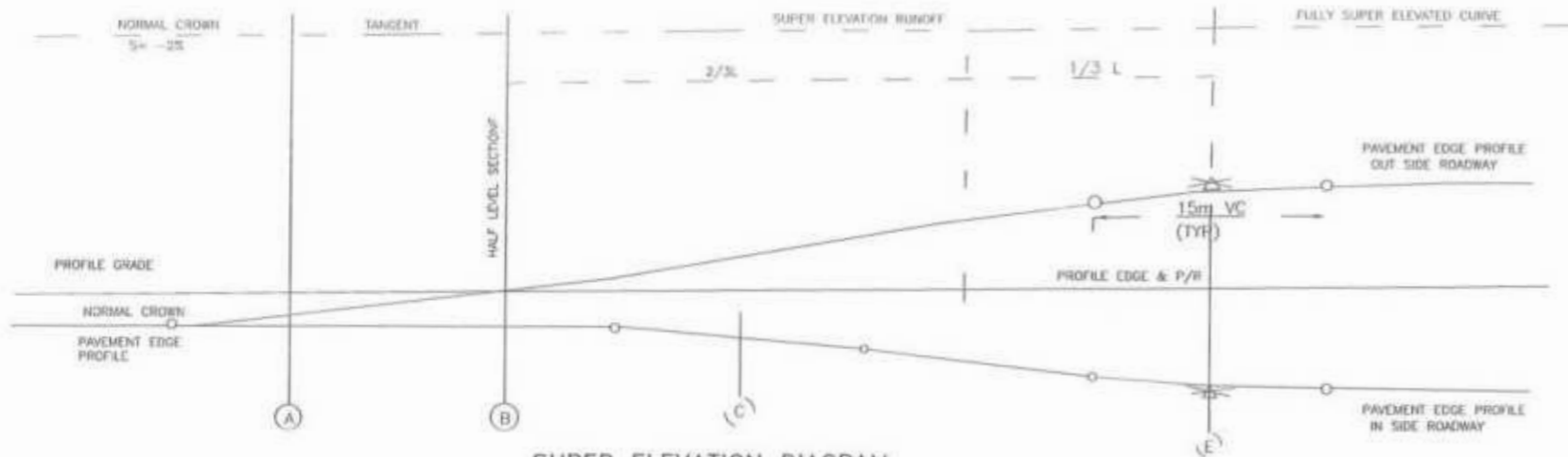
NOTES :

- EXISTING ROAD TO BE DISMANTLED WHERE IT MEETS PROPOSED ROAD AT THE JUNCTION LOCATION ONLY AND WILL BE RECONSTRUCTED ACCORDING TO JUNCTION DETAIL AND LIMITS.
- ON JUNCTION MIN. 10 METER STRAIGHT PORTION SHOULD BE PROVIDED.
- RAD# SHOWN ARE TYPICAL AND MAY BE ADJUSTED AS PER SITE CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLI-METER UNLESS OTHERWISE SPECIFIED.

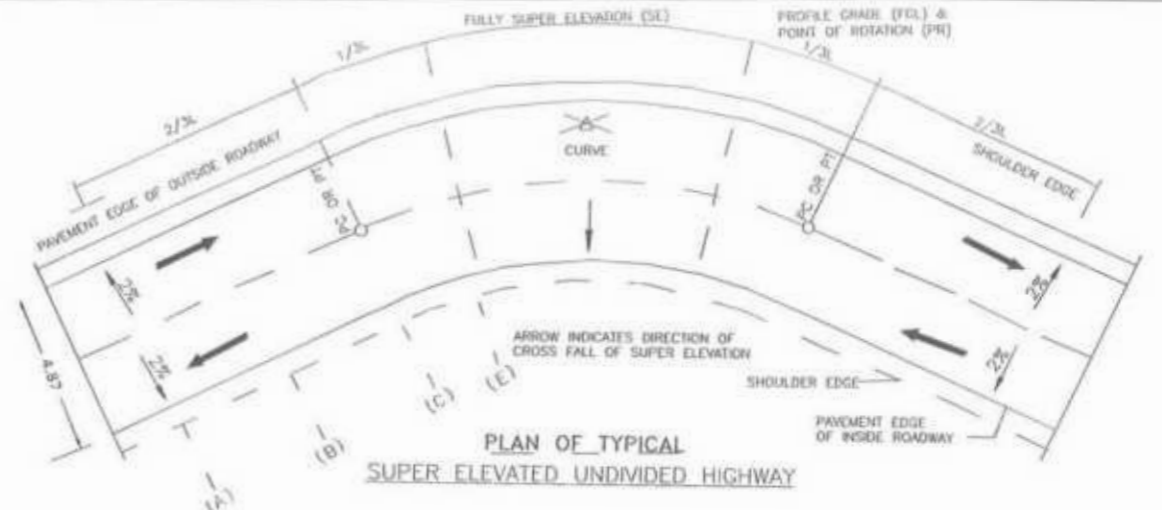
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



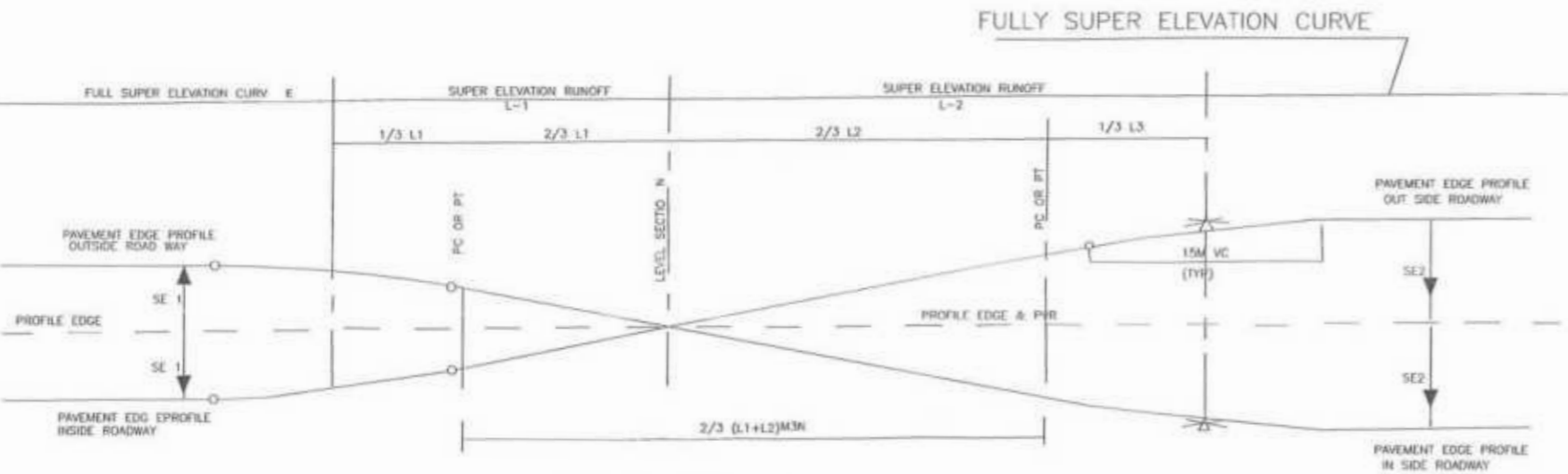
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 5803-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AQEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S. AUG. 2024	MINOR JUNCTION DETAILS



SUPER ELEVATION DIAGRAM ON SIMPLE RIGHT AND CURVES



PLAN OF TYPICAL SUPER ELEVATED UNDIVIDED HIGHWAY



SUPER ELEVATION DIAGRAM ON REVERSE CURVES

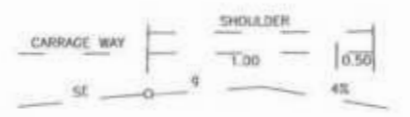
COMPUTATION OF SUPER ELEVATION

RADIUS	40 KPH		60 KPH	
	SE (m/m)	L (m/m)	SE (m/m)	L (m/m)
950				
900				
850	NC			
800	NC			
750	RC			
700	RC			
650	RC			
600	RC			
550	0.020	10	NC	
500	0.021	10	NC	
460	0.022	11	RC	
400	0.023	12	RC	
350	0.027	15	RC	
300	0.030	15	0.020	10
250	0.033	17	0.023	12
200	0.036	19	0.027	13
100	0.047	25	0.037	18
90	0.050	26	0.039	19
80	0.052	27	0.040	19
70	0.054	28	0.042	20
60	0.056	29	0.044	21
50	0.057	30	0.048	23
40	0.060	31	0.052	25
30			0.057	28
21			0.060	29

ROADWAY WIDENING

RADIUS (M)	SE (m/m)	L(M)	W(M)
15.00	0.06	32.00	1.20
20.00	0.060	32.00	1.20
25.00	0.060	32.00	1.20
10.00	0.060	32.00	1.20
35.00	0.060	32.00	1.20
120.00	0.060	32.00	1.20
150.00	0.060	32.00	0.80
200.00	0.058	30.00	-
45.00	0.060	32.00	1.20
300.00	0.050	25.00	-
15.00	0.060	32.00	1.20
400.00	0.043	22.00	-
55.00	0.060	32.00	1.20
500.00	-	-	-
60.00	0.060	32.00	1.20
600.00	-	-	-
70.00	0.060	32.00	1.20
700.00	-	-	-

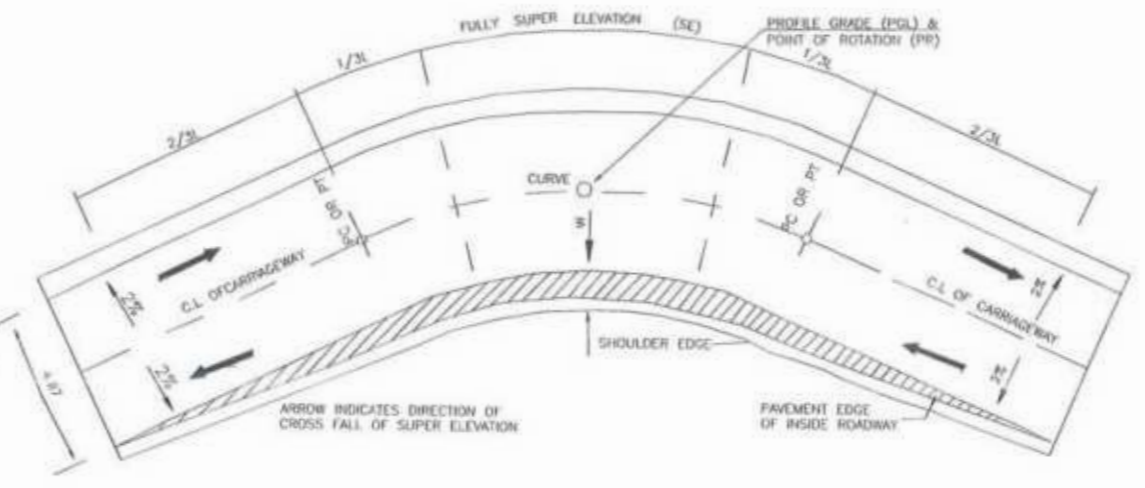
SHOULDER	CARRIAGEWAY		SHOULDER
2.00	2.435	2.435	2.00
-4%	-2%	-2%	-4%
-4%	0%	-2%	-4%
-3%	+2%	+2%	-4%
-2%	+2%	+2%	-4%
-1%	+3%	-3%	-4%
+0%	+4%	+4%	-4%
+1%	+5%	-5%	-3%
+2%	+6%	-6%	-4%



CROWNING AND ROUNDING OF OUTER SHOULDER WHERE > 4%

1 ROLL OVER ALGEBRAIC DIFFERENCE SE AND NORMAL SHOULDER SLOPE i.e 4% AT PAVEMENT EDGE NOT TO BE EXCEED 6%

2 WHERE THE DIFFERENCE EXCEED 6% IN THE ABOVE CROWNING OF SHOULDERS SHOULD BE USED WITH $g = (6 - SE)\%$

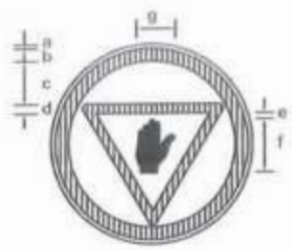


ROAD WIDENING AND SUPER ELEVATED UNDIVIDED HIGHWAY

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

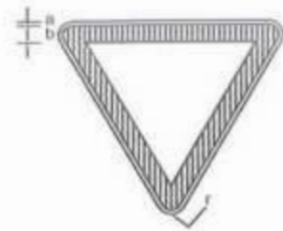


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b	DATE AUG. 2024	DESCRIPTION TENDER DRAWINGS	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AQEEL YOUSIE	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: RRD_UCH_NR1 OVER ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE: N.T.S. DATE: AUG. 2024	SHEET CONTENT: SUPER ELEVATION DETAILS
---	---	--------------------	-------------------	--------------------------------	--	---	---	--	---



STOP SIGN R-1
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	16.0	18.70
d	5.5	6.4
e	3.5	4.1
f	30.0	35.0
g	18.5	21.60



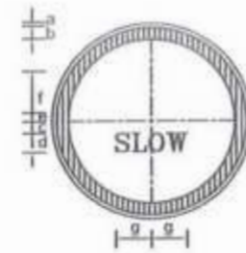
GIVE WAY SIGN R-2
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
r	3.5	4.1



PRIORITY ROAD SIGN R-3
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	10.5	12.20
d	7.0	8.2
e	26.0	30.3
f	19.0	22.2
g	2.0	2.3



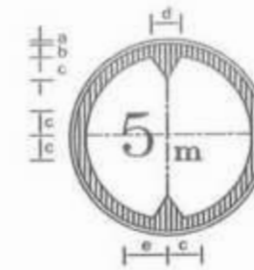
SLOW SIGN R-4
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	14.5	16.9
e	2.0	2.3
f	24.5	28.6
g	27.6	31.5



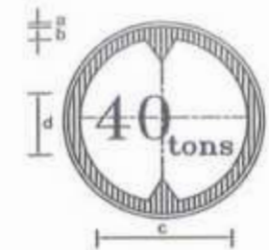
NO ENTRY SIGN R-6
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	8.0	9.3
e	9.0	10.5
f	30.5	35.6
g	7.0	8.2
h	23.5	27.4
i	4.5	5.2



HEIGHT LIMIT SIGN R-16
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	16.5	19.2
d	26.0	30.3
e	20.0	23.3



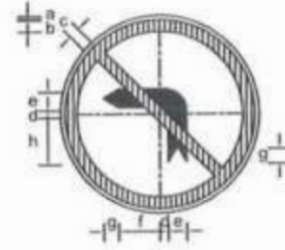
GROSS WEIGHT LIMIT SIGN R-18
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	49.0	57.2
d	40.0	46.7



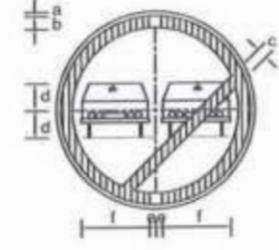
NO RIGHT TURN SIGN R-20
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	6.0	7.0
e	10.0	11.6
f	25.0	29.2
g	5.0	5.8
h	30.0	35.0



NO LEFT TURN SIGN R-21
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	6.0	7.0
e	10.0	11.6
f	25.0	29.2
g	5.0	5.8
h	30.0	35.0



OVERTAKING PROHIBITED SIGN R-23
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	12.0	14.0
e	3.0	3.5
f	29.5	34.4



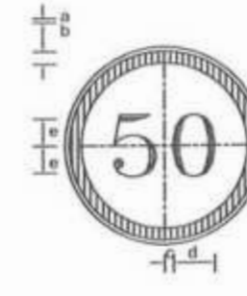
SPEED LIMIT SIGN R-25-1
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



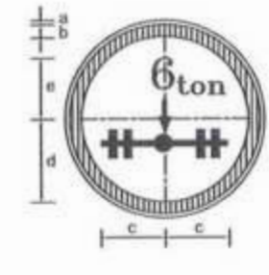
SPEED LIMIT SIGN R-25-2
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



SPEED LIMIT SIGN R-25-3
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



AXLE WEIGHT LIMIT SIGN R-19
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	26.0	32.7
d	23.0	26.8
e	32.0	37.3



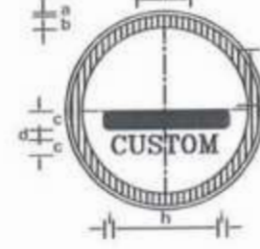
SPEED LIMIT SIGN R-25-4
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



POLICE CHECK POST SIGN R-27
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	7.5	8.8
d	3.0	3.5
e	10.0	11.7
f	27.5	32.1
g	29.0	33.8
h	26.0	32.7



CUSTOM CHECK SIGN R-28
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	8.0	9.3
d	4.0	4.7
e	11.0	12.8
f	31.0	36.2
g	41.0	47.8
h	52.0	60.7
i	7.5	8.7



END OF OVERTAKING RESTRICTION SIGN R-31
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	1.7	7.6
c	10.0	11.7
d	25.0	29.2
e	21.0	24.5



TURN RIGHT SIGN R-34
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	4.0	4.7
c	8.0	9.3
d	9.0	10.5
e	32.0	37.3
f	23.0	26.8
g	4.5	5.2



TURN LEFT SIGN R-35
DIMENSIONS (cm)

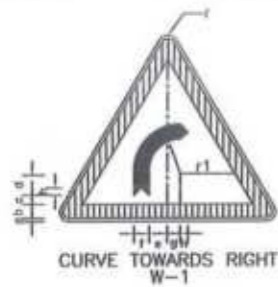
PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	4.0	4.7
c	8.0	9.3
d	9.0	10.5
e	32.0	37.3
f	23.0	26.8
g	4.5	5.2

Project Director
Provincial Roads Improvement Project
C&W Department Peshawar.

[Handwritten Signature]
Miniconsult International P.L.C.
Creative Engineering Consultants

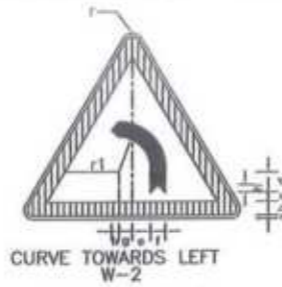
- NOTES:
- 1 - For Sign Locations Refer To Plan Sheets.
 - 2 - Final Location To Be Decide By The Engineer As Per Site.
 - 3 - Some Of The Sign Faces As Shown Are Reversible And The Actual Face Detail Shall Be Identified Prior To Placing Any
 - 4 - All Signs To Have High Intensity Reflective Sheetings In Accordance With The Relevant Clause In The Specification.
 - 5 - Sign Legends Shall Be Approved By Engineer And Client.

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 51835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AQEEL YOUSIF	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	TRAFFIC SIGNS DETAILS
								AUG. 2024	DWG NO: CEC/KP-RRDP/RRD_UCH_NR1/TSD-07a



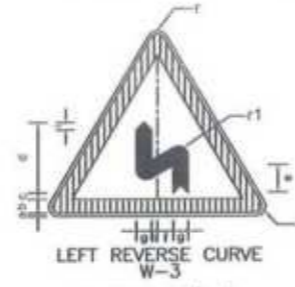
CURVE TOWARDS RIGHT
W-1

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



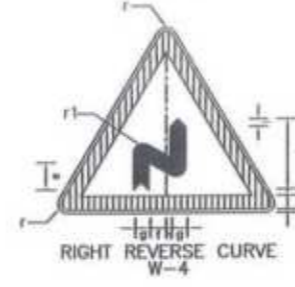
CURVE TOWARDS LEFT
W-2

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



LEFT REVERSE CURVE
W-3

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	33.0	38.5
e	14.0	16.3
f	8.0	9.3
g	7.0	8.2
h	2.0	2.3
i	3.5	4.1
r1	4.5	5.2



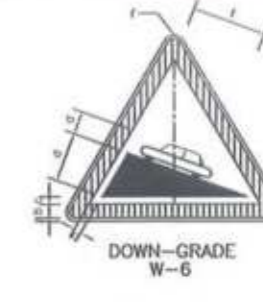
RIGHT REVERSE CURVE
W-4

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	33.0	38.5
e	14.0	16.3
f	8.0	9.3
g	7.0	8.2
h	2.0	2.3
i	3.5	4.1
R1	4.5	5.2



UP-GRADE
W-5

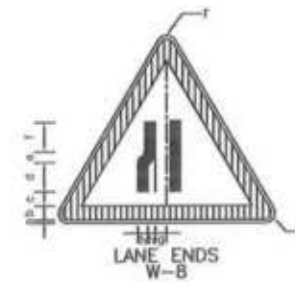
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5



DOWN-GRADE
W-6

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



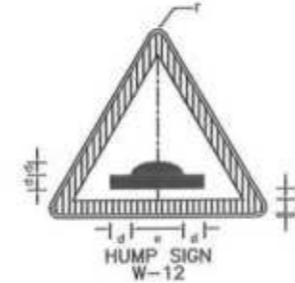
LANE ENDS
W-8

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	14.0	16.3
e	7.2	8.4
f	11.3	13.2
g	3.5	4.1
h	33.0	5.8



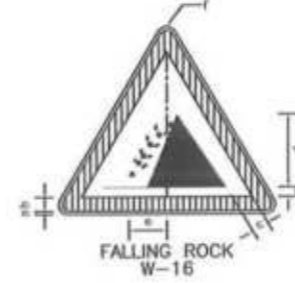
CARRIAGE WAY
NARROWS
W-8

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	10.0	11.7
e	14.0	16.3
f	2.5	2.9
g	5.0	5.8



HUMP SIGN
W-12

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	7.0	8.2
e	32.0	37.3



FALLING ROCK
W-16

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	38.0	44.3
e	12.0	14.3



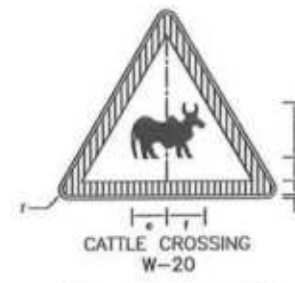
PEDESTRIAN CROSSING
W-17

PARTS	SIGN SIZE	
	90cm	105cm
r	2.9	3.5
a	0.8	1.0
b	5.4	6.5
c	2.1	2.5
d	35.8	43.0
e	19.2	23.0



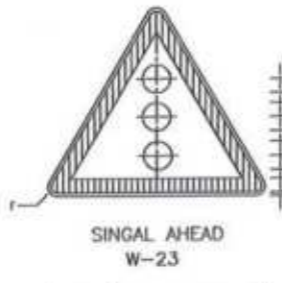
CHILDREN CROSSING
W-18

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.5	5.3
d	28.5	33.3
e	37.5	43.8



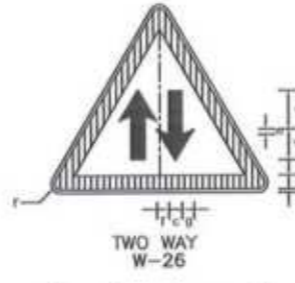
CATTLE CROSSING
W-20

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.0	2.3
d	22.0	25.7
e	18.5	21.6
f	17.5	20.4



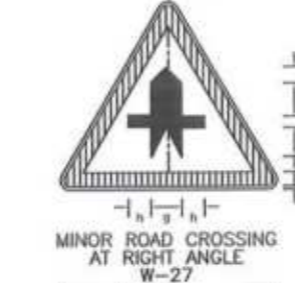
SINGAL AHEAD
W-23

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
R1	6.5	7.6



TWO WAY
W-26

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	9.0	10.5
e	19.0	22.2
f	5.0	5.8
g	3.5	4.1



MINOR ROAD CROSSING
AT RIGHT ANGLE
W-27

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	15.0	17.5
e	6.0	7.0
f	11.0	12.8
g	13.5	15.7
h	8.5	9.9



MINOR ROAD CROSSING
ONE SIDE ONLY
W-29

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.5	15.8
e	5.5	6.4
f	15.0	17.5
g	7.0	8.2
h	14.0	16.3
i	10.5	12.3

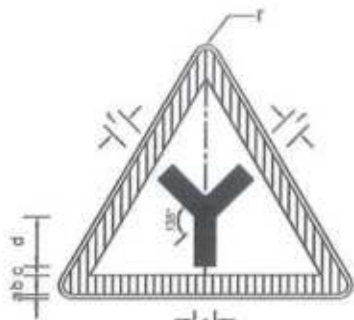


MINOR ROAD CROSSING
ONE SIDE ONLY
W-29A

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.5	15.8
e	5.5	6.4
f	15.0	17.5
g	7.0	8.2
h	14.0	16.3
i	10.5	12.3

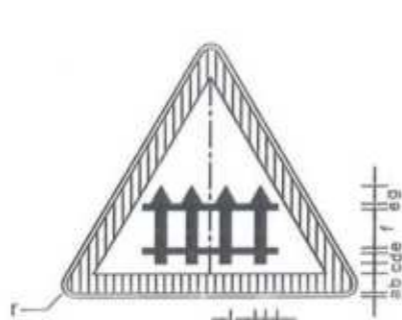


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT	
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1	N.T.S	TRAFFIC SIGNS DETAILS
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
		c			APPROVED	AGEEL YOUNIS				
						FLOOD AFFECTED ROAD		AUG. 2024	DWG NO: CEC/KP-RRDP/RRD_UCH_NR1/STD - 071	



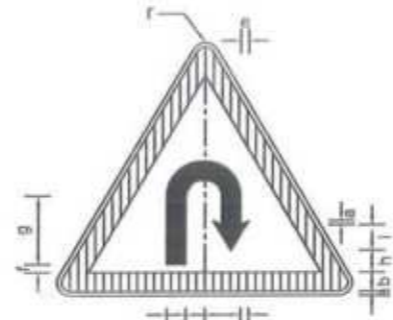
JUNCTION SIGN
W-31

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	17.0	19.8
e	13.0	15.2
f	7.0	8.2



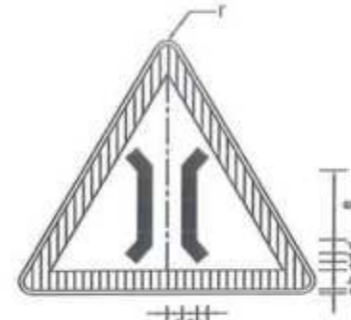
LEVEL CROSSING
WITH GATES
W-33

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	1.5	1.8
d	2.5	2.9
e	3.0	3.5
f	7.5	8.8
g	3.5	4.1
h	2.0	2.3
i	4.0	4.7



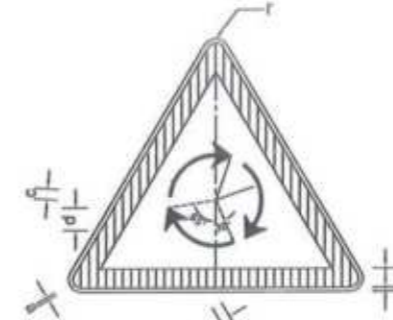
U-TURN
W-34

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	7.0	8.2
e	5.0	5.8
f	2.5	2.9
g	23.0	26.8
h	7.5	8.8
i	12.0	14.0



NARROW BRIDGE
W-35

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	6.0	7.0
d	2.5	2.9
e	15.0	17.5
f	4.0	4.7
g	3.0	3.5



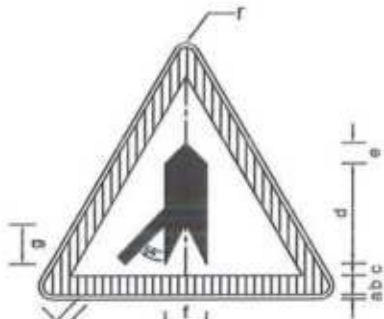
ROUNDBOUT AHEAD
W-36

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	9.0	10.5
R1	12.0	14.0
R2	16.0	18.7



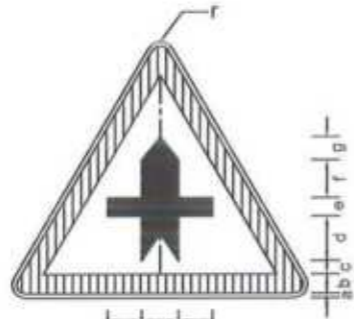
MERGE SIGN
W-37

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4



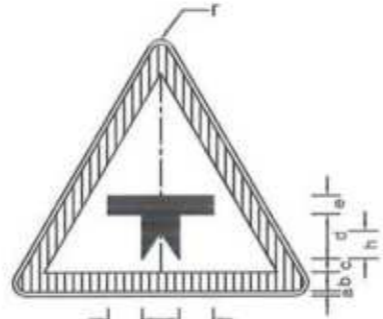
MERGE SIGN
W-37A

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4



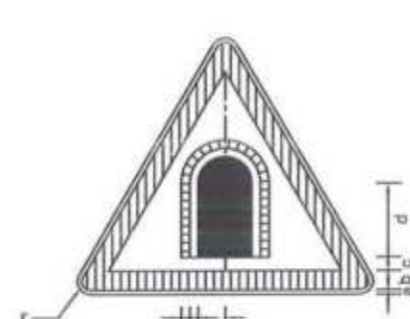
MAJOR ROAD AHEAD
W-38

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.0	15.2
e	7.0	8.2
f	10.0	11.7
g	2.5	2.9
h	5.0	5.8



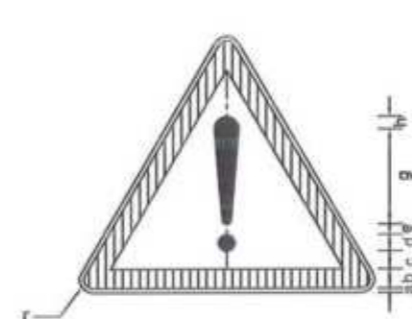
MAJOR ROAD AHEAD
W-39

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	15.5	18.1
e	7.0	8.2
f	5.0	5.8
g	11.0	12.8
h	2.5	2.9



TUNNEL SIGN
W-40

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
d	17.0	19.8
e	9.0	10.5
f	2.0	2.3
g	4.0	4.7



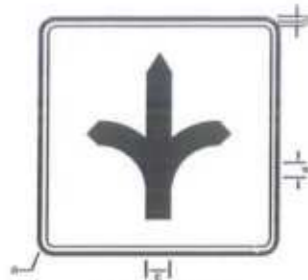
OTHER DANGER WARNING
W-40

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
d	10.0	11.7
e	2.0	2.3
f	1.7	2.0
g	25.0	29.2
h	5.0	5.8

Project Director (RRD)
Provincial Roads Improvement Project
C&W Department Peshawar.

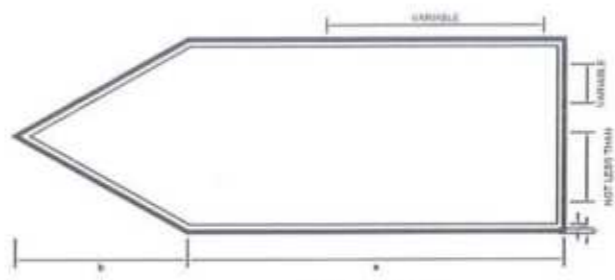


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME:	SCALE:	SHEET CONTENT:	
		b	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S.	TRAFFIC SIGNS DETAILS
		e			DRAWN	IBRAN TARIO				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AOEEL YOUNIS						
								FLOOD AFFECTED ROAD	AUG. 2024	DWG NO: CECKP-RRDP/RRD_UCH_NR1/TS0-07c



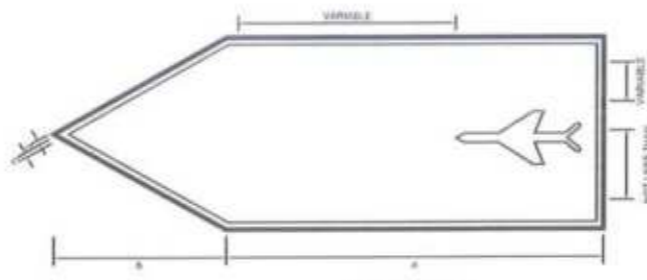
DESTINATION SIGN
I-1

PARTS	SIGN SIZE	
	120 x 120	240 x 240
a	4.5	6.0
b	1.8	2.4
c	12.0	16.0
d	22.5	30.0



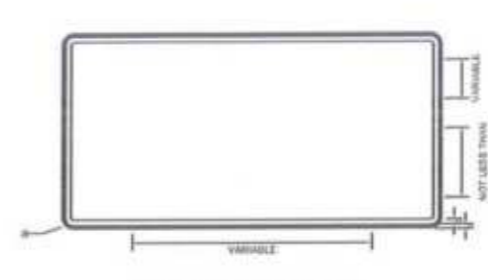
DIRECTION SIGN
I-3

PARTS	SIGN SIZE	
	225 x 90	300 x 120
a	180.0	240.0
b	45.0	60.0
c	1.8	2.4



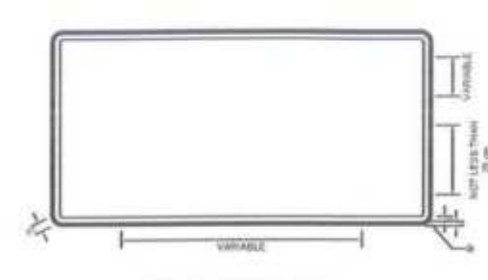
DIRECTION SIGN
I-4

PARTS	SIGN SIZE	
	225 x 90	300 x 120
a	180.0	240.0
b	45.0	60.0
c	1.8	2.4



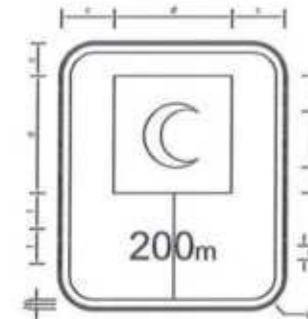
BEGINNING OF MUNICIPAL LIMIT
I-5

PARTS	SIGN SIZE	
	225 x 135	300 x 180
a	4.5	6.0
b	1.8	2.4



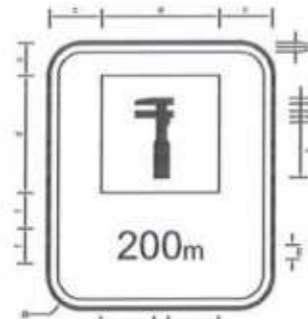
END OF MUNICIPAL LIMIT
I-6

PARTS	SIGN SIZE	
	225 x 135	300 x 180
a	4.5	6.0
b	1.8	2.4
c	20.3	27.0



FIRST AID STATION
I-9

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	40.0	
f	26.0	
g	14.0	



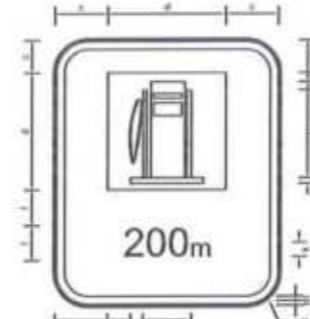
AUTO REPAIR SHOP
I-10

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	30.0	
f	15.0	
g	35.0	
h	5.0	
i	11.0	
j	7.0	
k	44.0	
l	26.0	
m	14.0	



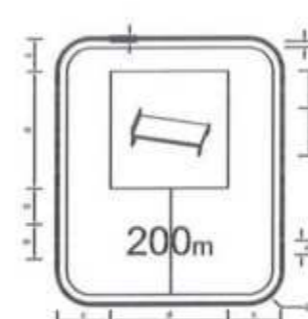
PHONE SERVICE
I-11

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	26.0	
f	14.0	



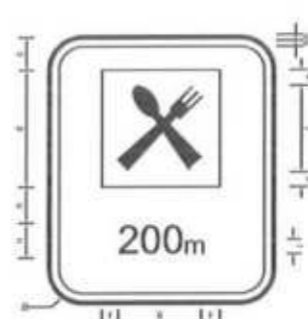
PETROL PUMP
I-12

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	4.0	
f	80.0	
g	8.0	
h	12.0	
i	17.0	
j	26.0	
k	14.0	



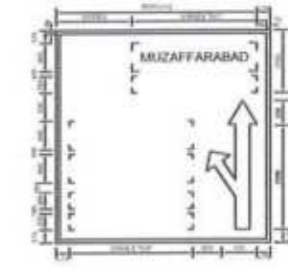
HOTEL / MOTEL
I-13

PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	18.8	25.0
f	24.0	32.0
g	19.5	26.0
h	10.5	14.0

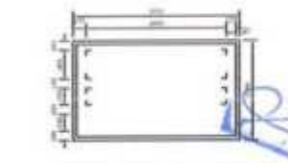


RESTAURANT
I-14

PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	51.0	66.0
f	12.0	16.0
g	36.0	48.0
h	19.5	26.0
i	10.5	14.0

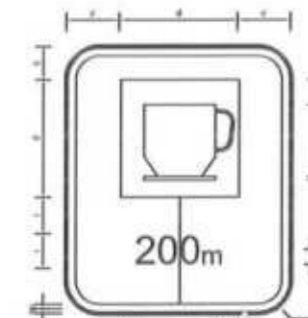


JUNCTION SIGN
(250m SHORT OF JUNCTION)



DESTINATION SIGN
(250m OF JUNCTION)

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



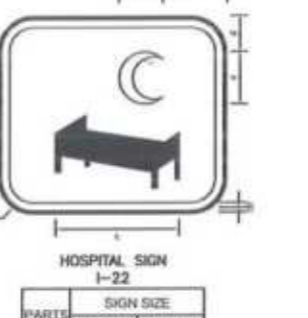
CAFETERIA
I-15

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	16.0	
f	34.0	
g	8.0	
h	64.0	
i	26.0	
j	14.0	



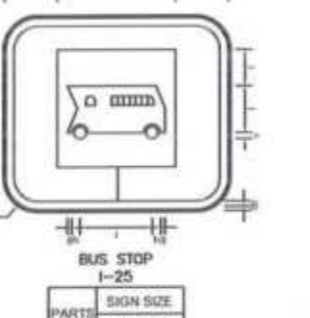
PICNIC SITE
I-16

PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	3.0	4.0
f	42.0	56.0
g	11.3	15.0
h	6.0	8.0
i	48.0	64.0
j	19.5	26.0
k	10.5	14.0



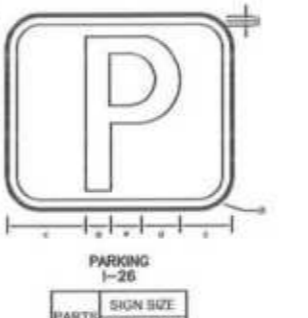
HOSPITAL SIGN
I-22

PARTS	SIGN SIZE	
	90 x 90	120 x 120
a	4.5	6.0
b	1.8	2.4
c	67.5	90.0
d	18.0	24.0
e	22.5	30.0
f	30.0	40.0



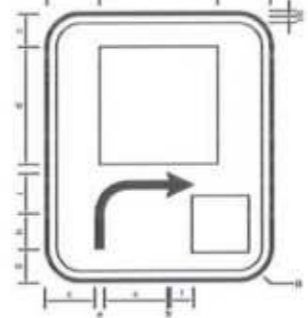
BUS STOP
I-25

PARTS	SIGN SIZE	
	120 x 120	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	8.0	
f	26.0	
g	4.0	
h	12.0	
i	46.0	



PARKING
I-26

PARTS	SIGN SIZE	
	120 x 120	
a	6.0	
b	2.4	
c	30.0	
d	13.0	
e	34.0	
f	29.0	
g	40.0	

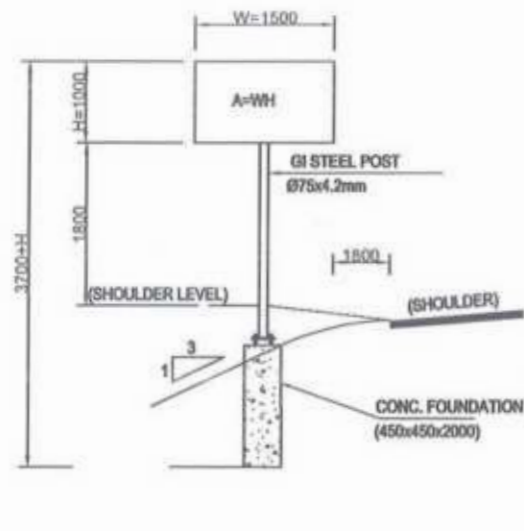


GENERAL INFORMATION
I-27

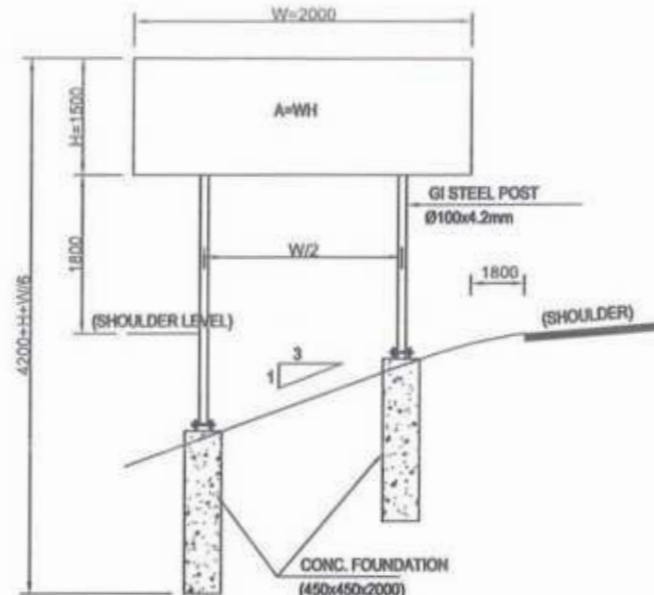
PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	12.0	16.0
f	20.3	27.0
g	10.5	14.0
h	28.5	38.0
i	18.0	24.0



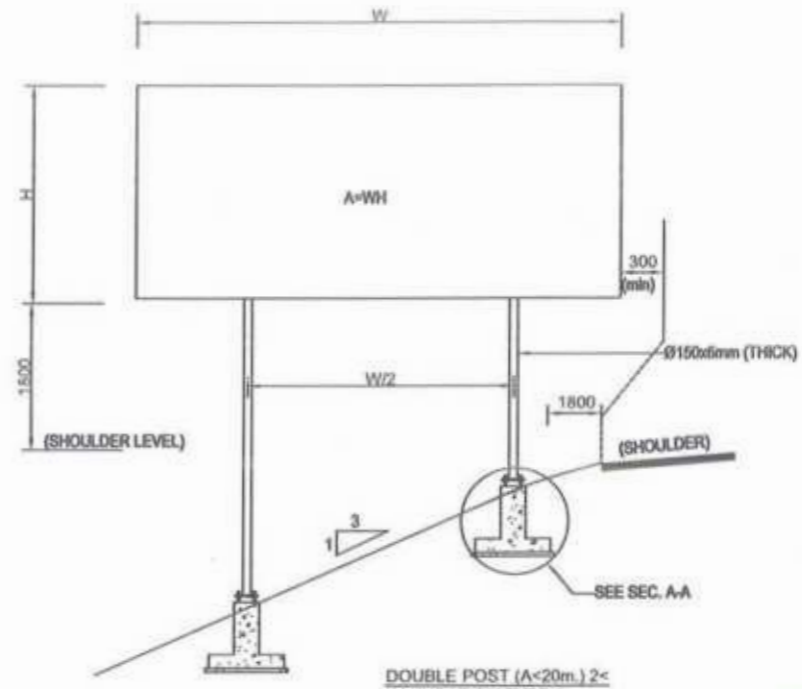
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED: AMIR KHAN DRAWN: IMRAN TARGO CHECKED: SHAHZAD DURRANI APPROVED: AQEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S. AUG. 2024.	TRAFFIC SIGNS DETAILS DWG NO. CEC/KP/RRDP/HRRO_UCH_NR1/ TSD - 07/1



2 SINGLE POST
(A<1.5m.) 2<
FOUNDATION TYPE-1



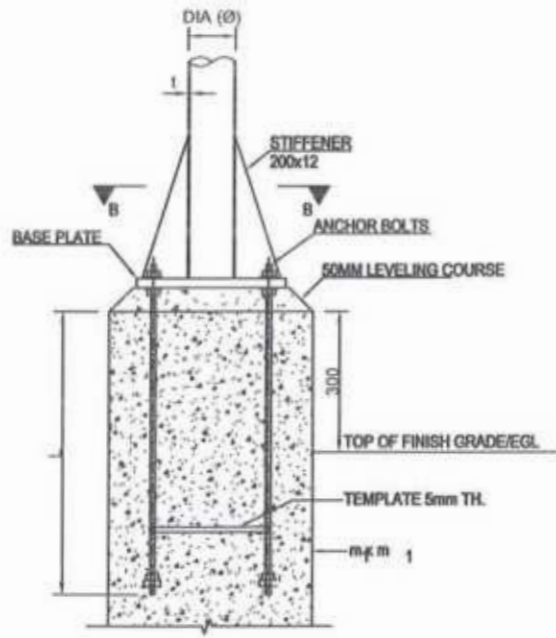
DOUBLE POST (A<3m.)
2<FOUNDATION TYPE-2



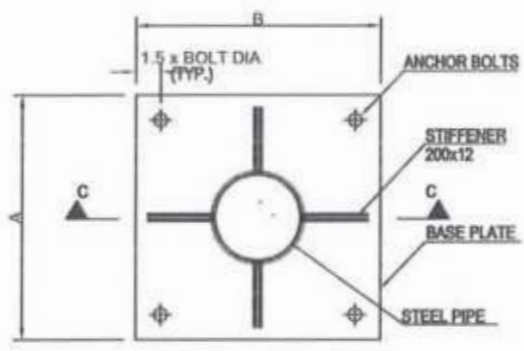
DOUBLE POST (A<20m.) 2<
FOUNDATION TYPE-3

[Handwritten Signature]

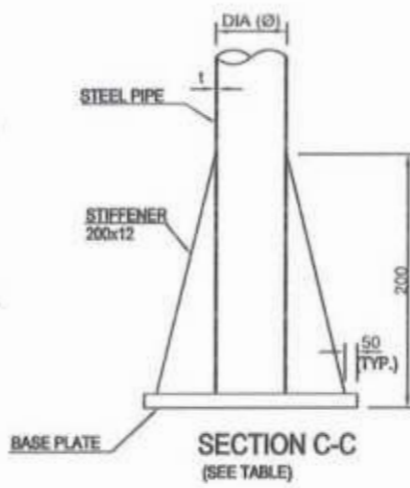
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



BASE PLATE &
ANCHORAGE ELEVATION



SECTION B-B
(SEE TABLE)



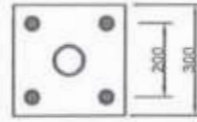
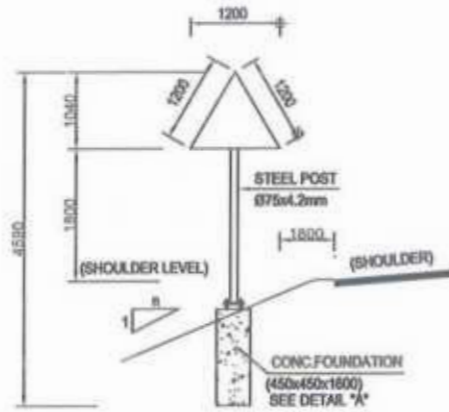
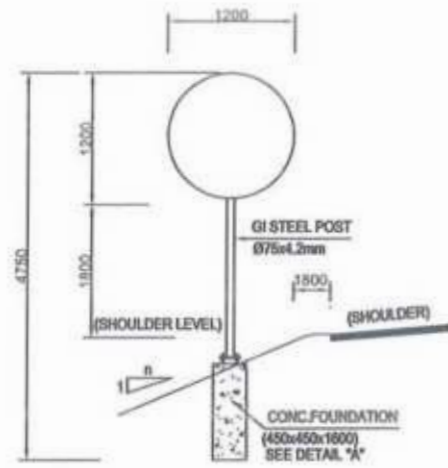
SECTION C-C
(SEE TABLE)

NOTES:-

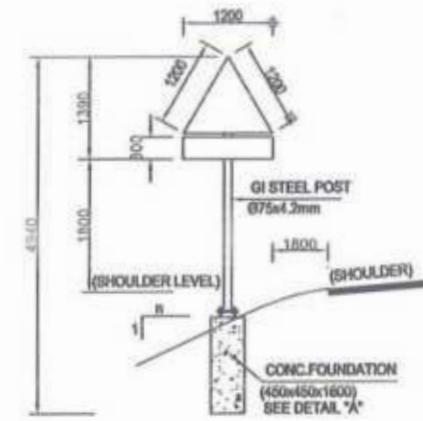
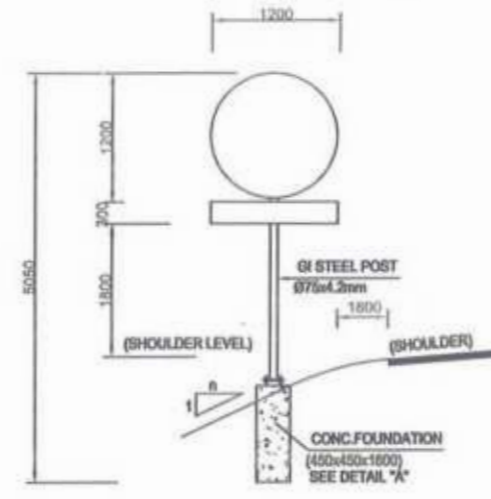
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. FABRICATION GALVANIZING AND ERECTION TO BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
3. AFTER FABRICATION AND BEFORE GALVANIZING THE TRIAL ASSEMBLY OF COMPLETE STRUCTURE SHALL BE DONE.
4. ALL COMPONENTS TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. GALVANIZATION THICKNESS SHALL NOT BE LESS THAN 90 MICRONS.
5. BASE PLATES SHALL BE SET LEVEL TO CORRECT ELEVATION WITH THE HELP OF LEVELING NUTS.
6. STEEL STRUCTURE SHALL BE ASTM A36, OR EQUIVALENT.
7. BOLTS (GALVANIZED) SHALL BE ISO 898-1, GRADE 8.8, OR EQUIVALENT.
8. NUTS (GALVANIZED) SHALL BE ISO 896-2, GRADE 8, OR EQUIVALENT.
9. PLAIN WASHERS (GALVANIZED) SHALL BE ISO 7089, GRADE A CLASS 200, OR EQUIVALENT. ALL BOLTS SHALL BE FIXED WITH ONE PLAIN WASHER.
10. ANCHOR RODS SHALL BE G60 DEFORMED BARS IN ACCORDANCE WITH ASTM A615.
11. WELDING ELECTRODES SHALL BE E 60 XX.
12. SIGN PANELS SHALL BE MADE OF ALUMINIUM ALLOY PLATES OF MIN. 3mm TH.
13. SIGN PANELS SHOULD BE RIVETED TO STEEL MEMBER OF SUPPORTING FRAME.
14. ALL STRUCTURAL CONCRETE SHALL HAVE MINIMUM CYLINDER STRENGTH EQUAL TO 3000psi AT 28 DAYS.
15. ALL REINFORCEMENT SHALL BE GRADE 60 DEFORMED IN ACCORDANCE WITH ASTM A-615 SPECIFICATION.

[Handwritten Signature]
[Official Seal]

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	AMIR KHAN	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS
		e			DRAWN	IMRAN TARIQ		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	
		b			CHECKED	SHAHZAD DURRANI	AUG. 2024.		
		c			APPROVED	AQEEL YOUNIS	DWG NO. CEC/RRDP/RRRD_UCH_NR1_TSD - 02		

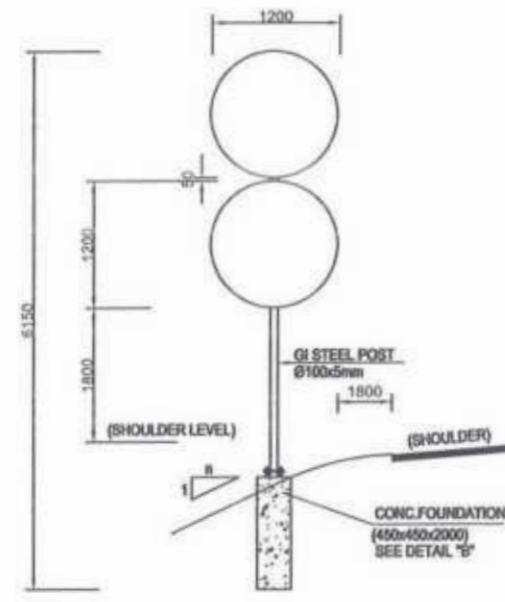
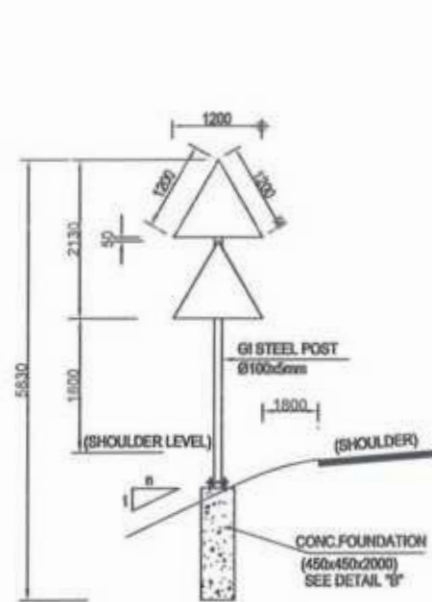


TYPICAL PLAN

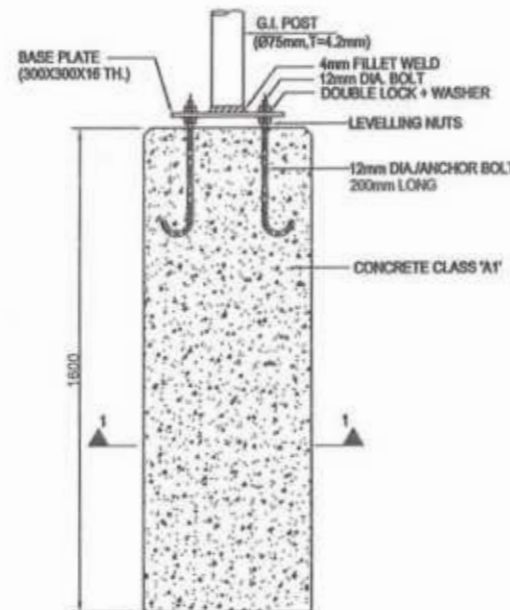


SINGLE SIGNS
FOUNDATION TYPE-1

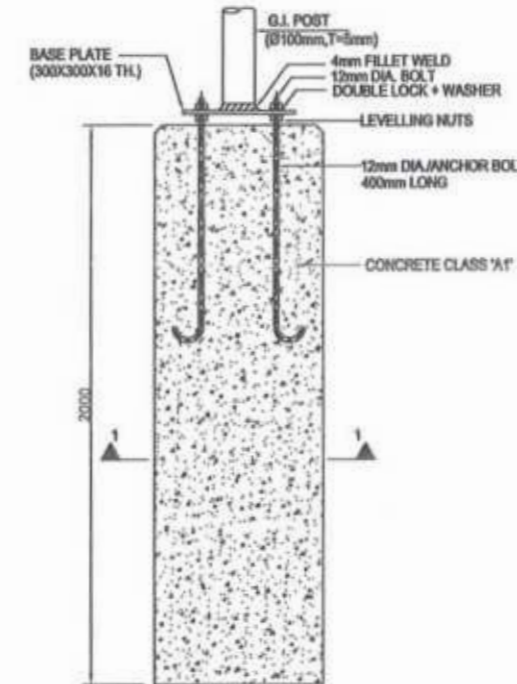
SINGLE SIGNS WITH ADDITIONAL PLATE
FOUNDATION TYPE-1



DOUBLE SIGNS
FOUNDATION TYPE-2



DETAIL 'A'
CONCRETE FOUNDATION
(TYPE-1)



DETAIL 'B'
CONCRETE FOUNDATION
(TYPE-2)

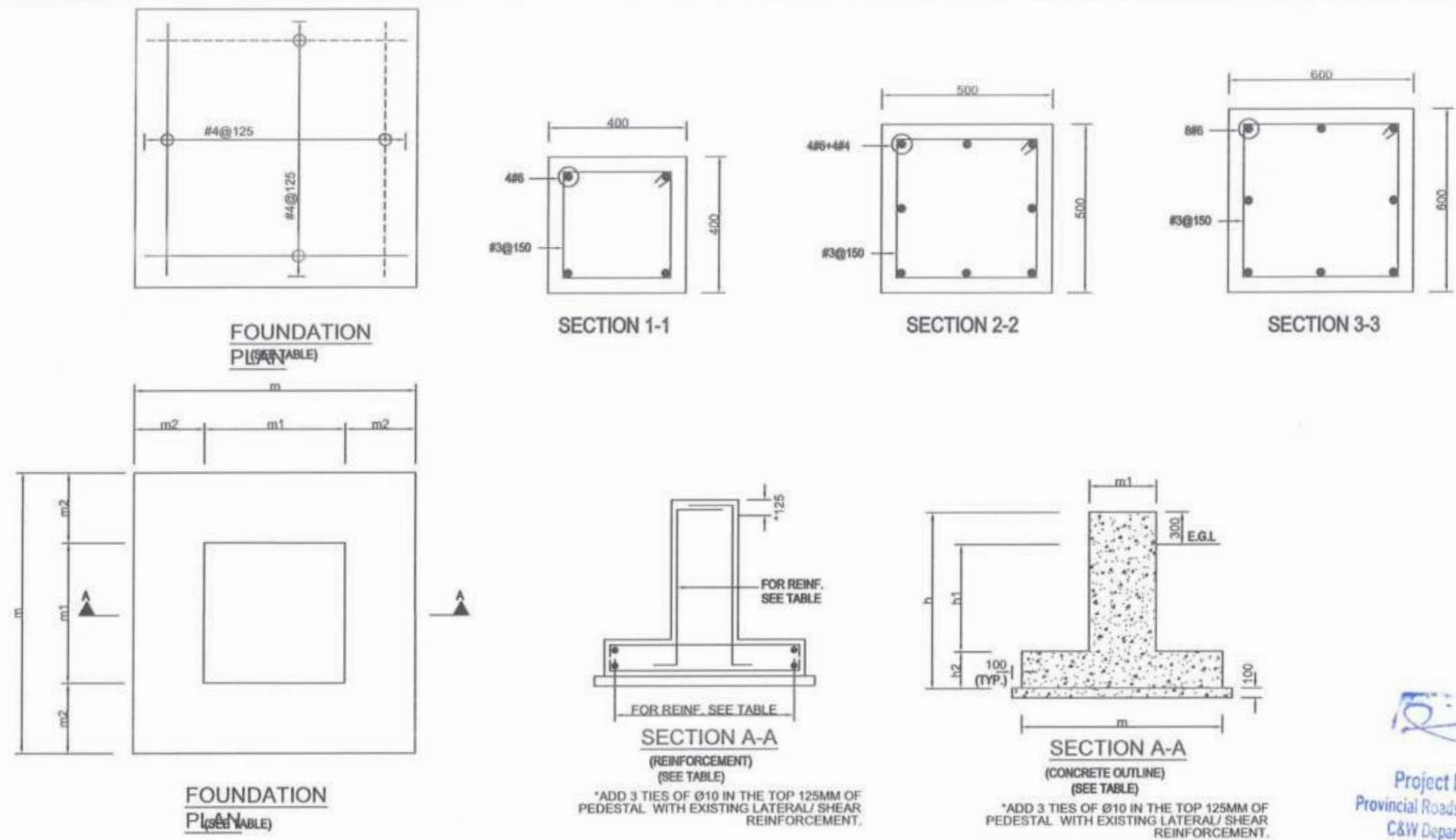
[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

[Signature]
Miniconsult International P.L.C.
Civil Engineering Consultants

NOTE:-

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. ALL STRUCTURAL CONCRETE SHALL HAVE MINIMUM CYLINDER STRENGTH EQUAL TO 3000psi AT 28 DAYS.
3. SIGN PANELS SHALL BE MADE OF ALUMINUM ALLOY PLATES OF MIN. 3mm TH.
4. SIGN PANELS SHOULD BE RIVETED TO STEEL MEMBER OF SUPPORTING FRAM

CLIENT:	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 9835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024.	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD UCH NR1 OVEER ROAD CHITRAL	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS
		a			DRAWN	IMRAN TARIQ		FLOOD AFFECTED ROAD	DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG, 2024.	
		c			APPROVED	AGEEL YOUSIF		DUW NO. UECR/P-RDP/RRD/UCH/RRV 150 - 07		



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

TABLE - 1

AREA OF SIGN BOARD A (M) ²	STRUCTURAL CONCRETE SIZING (mm)						STRUCTURAL STEEL SIZING (mm)						REINFORCEMENT		
	PEDESTAL m ₁ x m ₁	FOUNDATION PAD m x m	m ₂	h ₁	h ₂	h	PIPE		BASE PLATE		ANCHOR BOLTS (J-TYPE)			PEDESTAL	PAD
							DIA (Ø)	THICKNESS (t)	PLAN SIZE (AxB)	THICKNESS (T)	DIA.	EMBEDMENT (L)	Number		
3 < A < 5	400x400	1000x1000	400	1250	350	1600	125	6	300x300	22	16	400	4	SEE SEC. 1-1	SEE FOUNDATION PLAN
5 < A < 10	500x500	1350x1350	525	1175	425	1600	150	10	400x400	25	20	450	4	SEE SEC. 2-2	
10 < A < 15	500x500	1500x1500	525	1125	475	1600	175	10	400x400	28	22	500	4	SEE SEC. 2-2	
15 < A < 20	600x600	1750x1750	625	1050	550	1600	200	10	500x500	32	25	600	4	SEE SEC. 3-3	

TABLE - 2

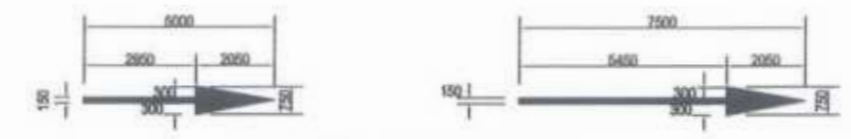
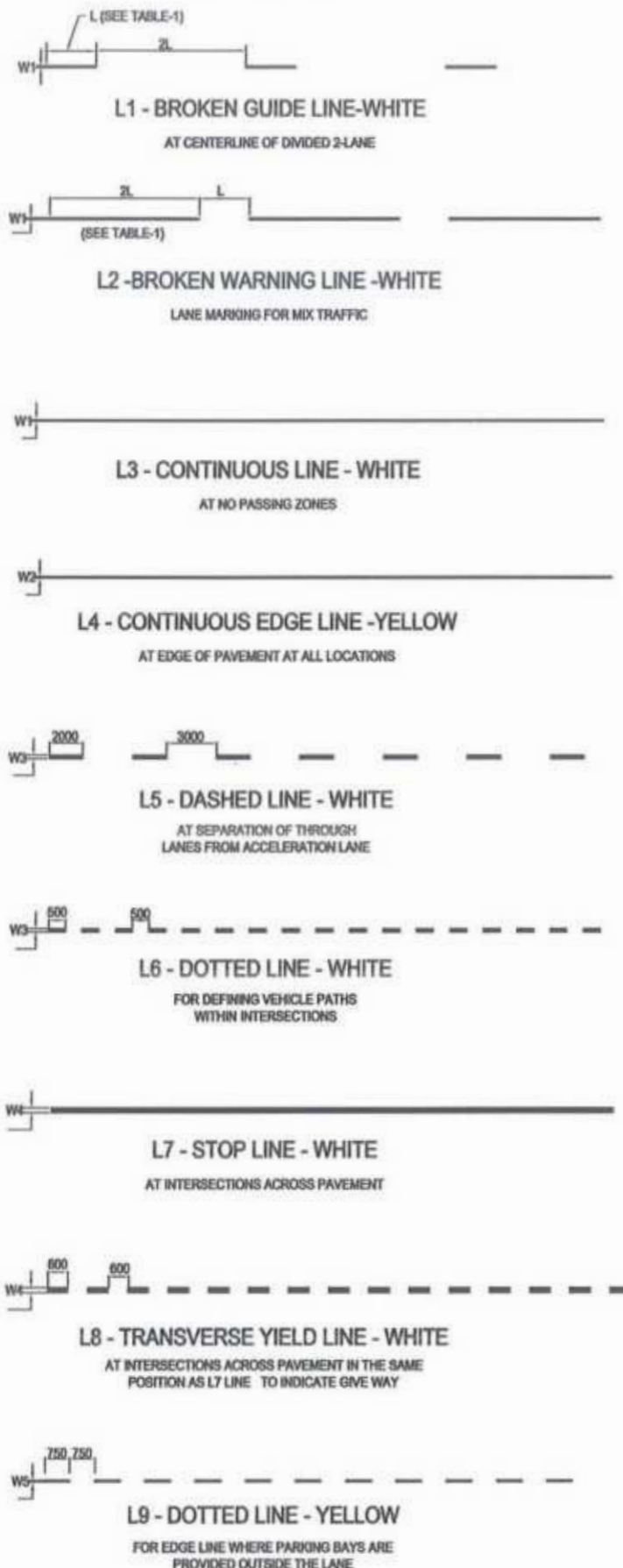
INFORMATION	
FOUNDATION TYPE-1	FOR SINGLE SIGNS AND SINGLE SIGNS WITH ADDITIONAL PLATE
FOUNDATION TYPE-2	FOR DOUBLE SIGNS, FOR SINGLE POST SIGNS WITH AREA <1.5m ² & FOR DOUBLE POST SIGNS WITH AREA <3m ²
FOUNDATION TYPE-3	FOR DOUBLE SIGNS WITH 3 < AREA <20m ²



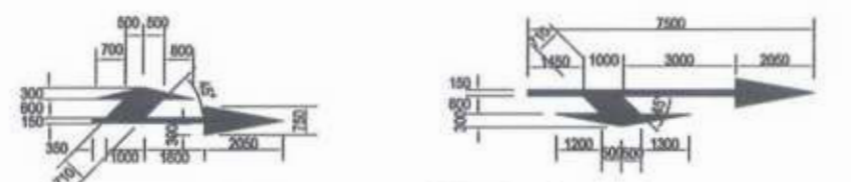
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AQEEL YOUNIS						
						FLOOD AFFECTED ROAD	AUG. 2024.	DWG NO: CEC/KP/RRDP/RRD_UCH_NR1/ 180 - 0/9		

PAVEMENT MARKING LINES

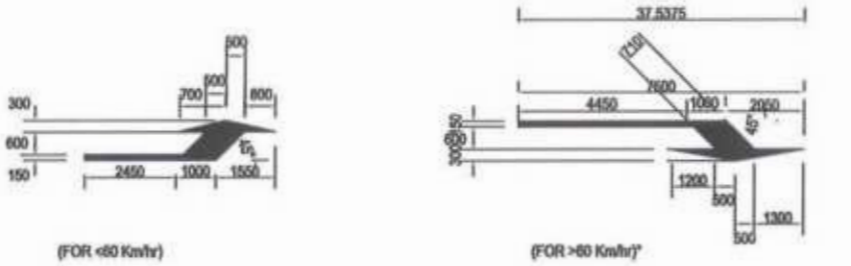
FOR DIMENSIONS L & W1 TO W5, SEE TABLE-1



ARROWS TYPE-I (STRAIGHT)

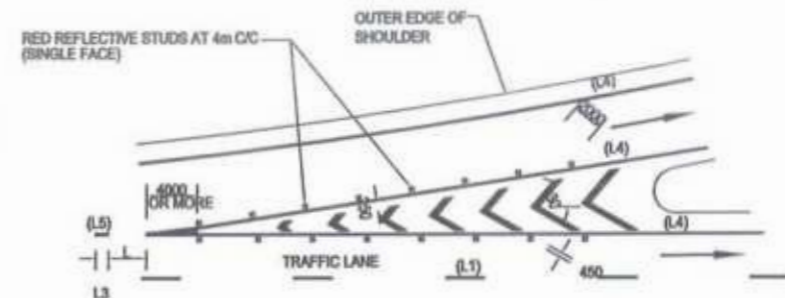


ARROWS TYPE-II (COMBINED)

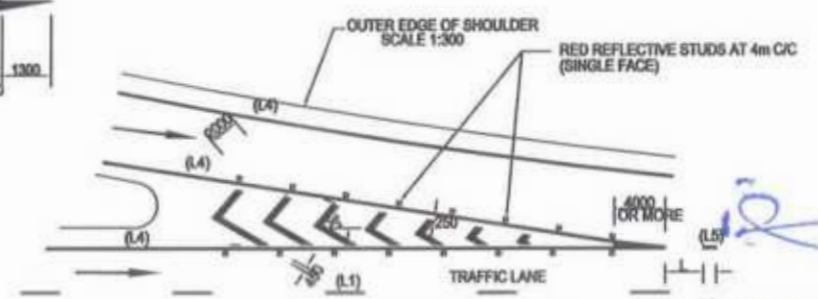


ARROWS TYPE-III (DEFLECTION)

LANE SELECTION ARROWS - WHITE

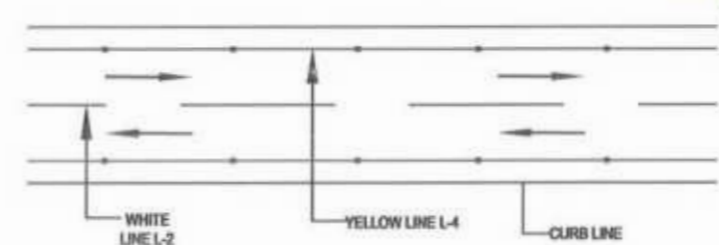


ENTRANCE NOSE DETAIL



EXIT NOSE DETAIL

SCALE 1:300



PROJECT ROAD

TABLE - 1

ROADWAY SPEED	L (mm)	W1	W2	W3	W4	W5
$\le 50 \text{ Km/hr}$	2000	100	100	100	300	100
60-80 Km/hr*	3000	120	120	150	300	100
$> 80 \text{ Km/hr}$	4000	150	150	150	300	120
SERVICE ROAD	2000	100	120	100	300	100



REFLECTORISED PAVEMENT STUD

(RAISED PROFILE TYPE)

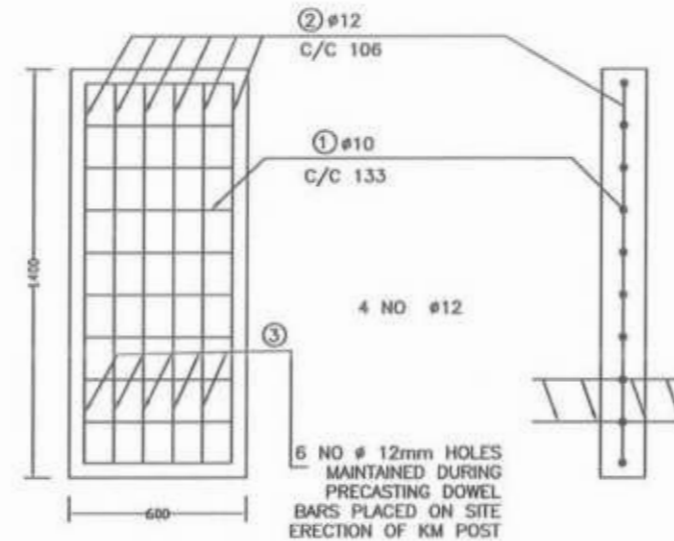
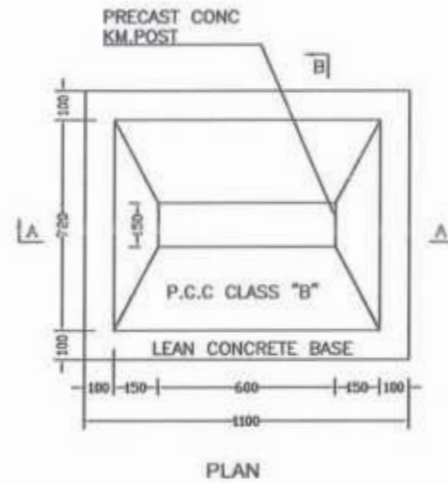
[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



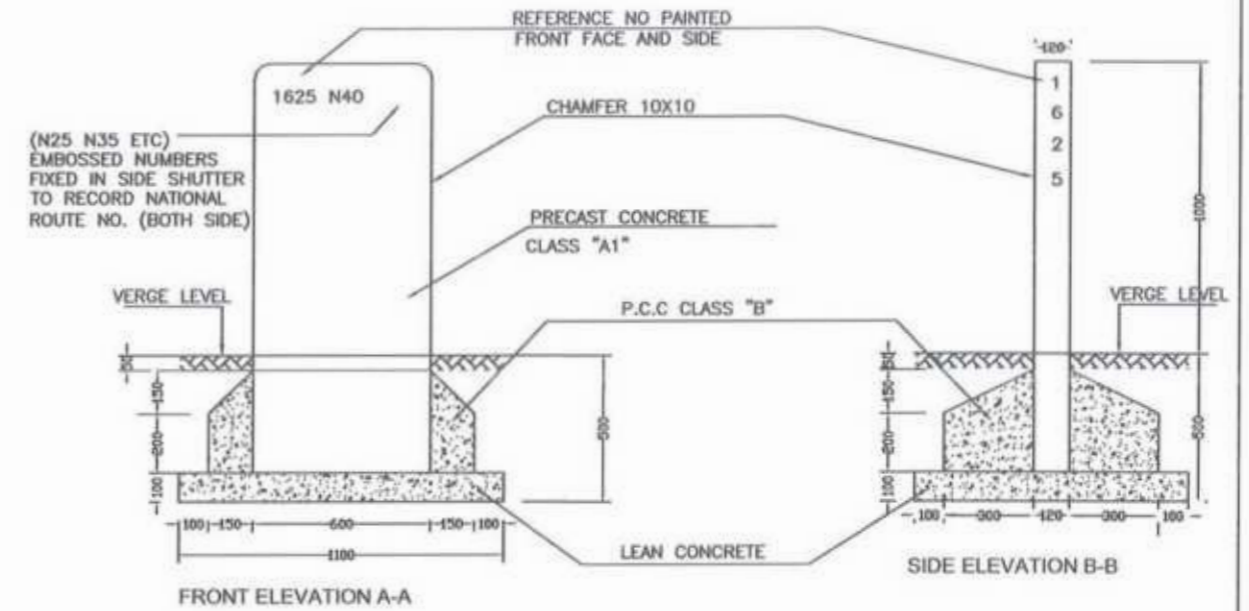
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 54835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1	N.T.S	TYPICAL PAVEMENT MARKING DETAILS
		a			DRAWN	IBRAN TARIQ		OVEER ROAD CHITRAL	DATE:	
		b			CHECKED	SHAHZAD DURRANI		FLOOD AFFECTED ROAD	AUG. 2024.	
		c			APPROVED	AQEEL YOUNIS				

BAR NO	DESCRIPTION	DIA. (mm)	NO
①	530mm	10	11
②	1330mm	10	6
③	620mm	12	6
④	620mm	12	4

TABLE-1
REINFORCEMENT SCHEDULE

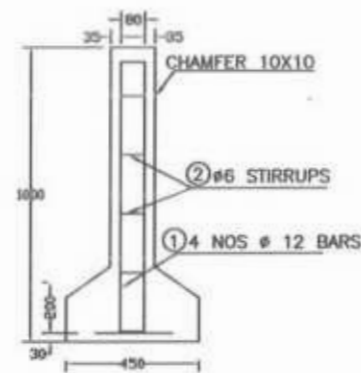


REINFORCEMENT DETAIL
.SEE TABLE-1 OF REINFORCEMENT SCHEDULE

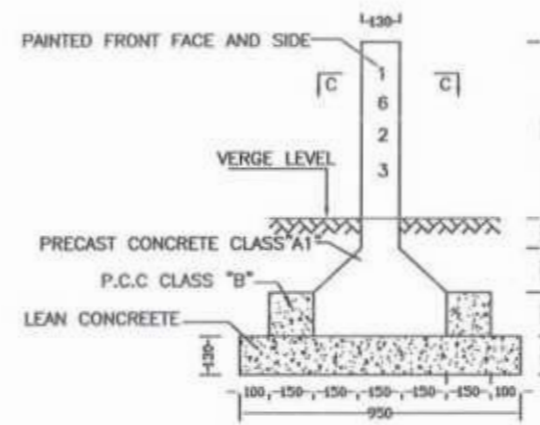


FIVE KILOMETER POST

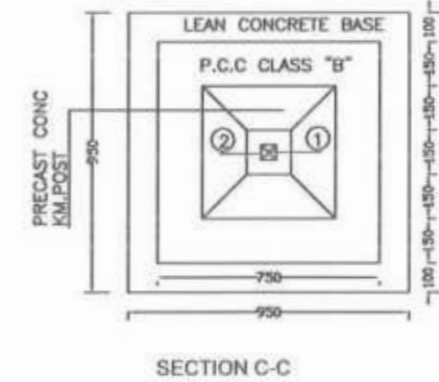
[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



REINFORCEMENT DETAIL
.SEE TABLE-2 OF REINFORCEMENT SCHEDULE



ONE KILOMETER POST



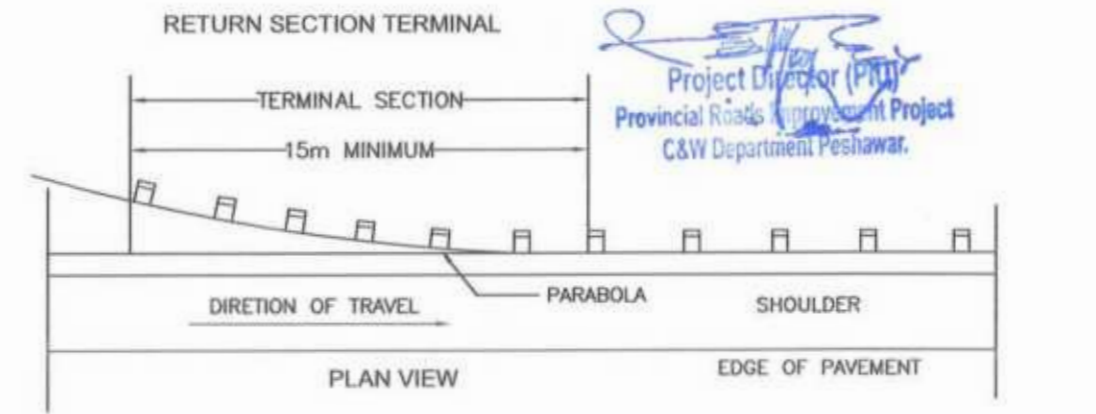
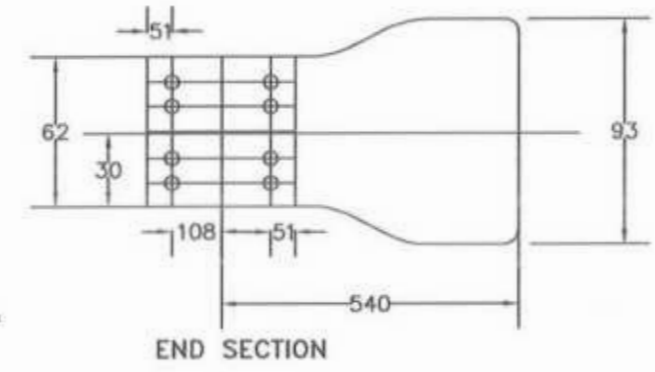
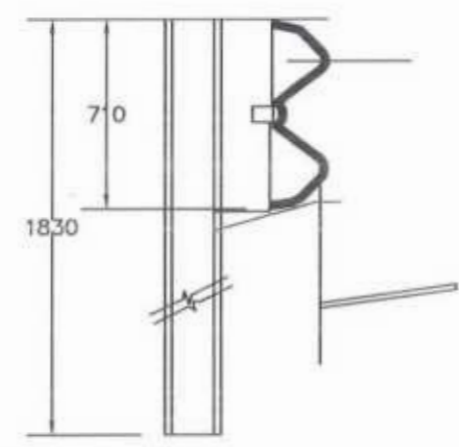
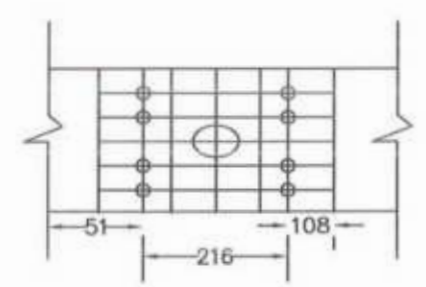
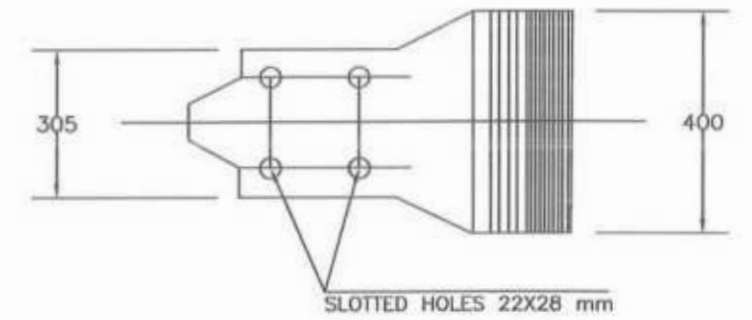
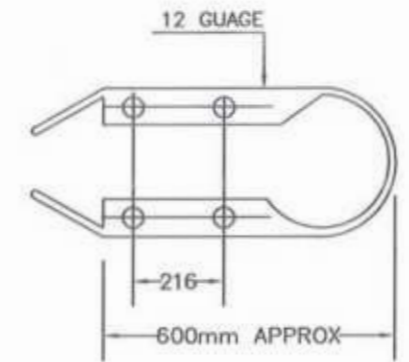
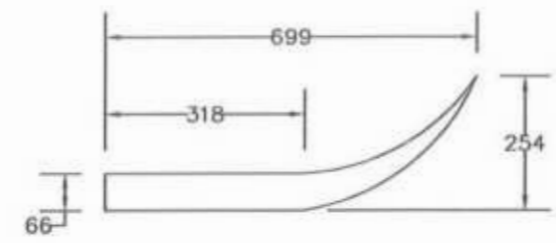
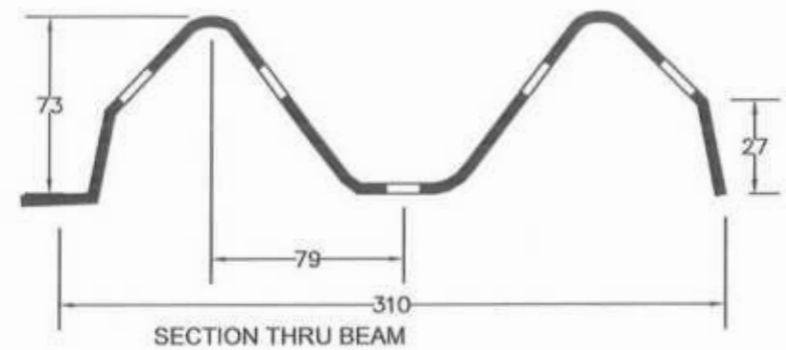
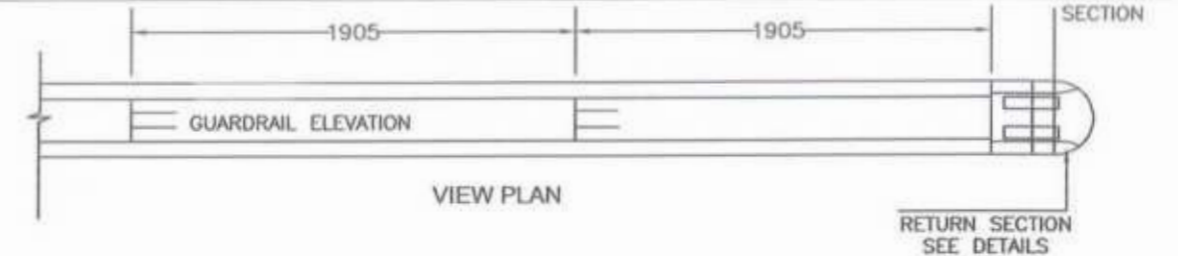
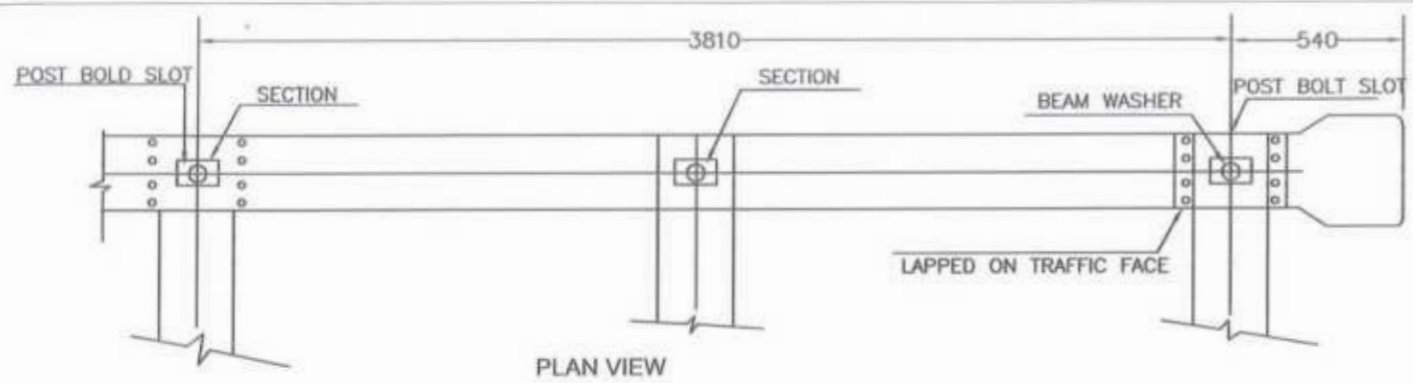
BAR NO	DESCRIPTION	DIA. (mm)	NO
①	230	12	4
②	40/80	6	9

TABLE-2
REINFORCEMENT SCHEDULE

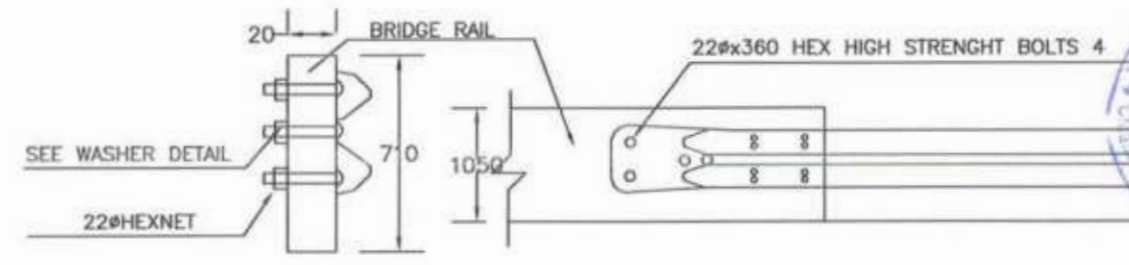
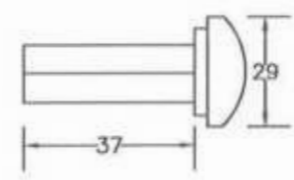
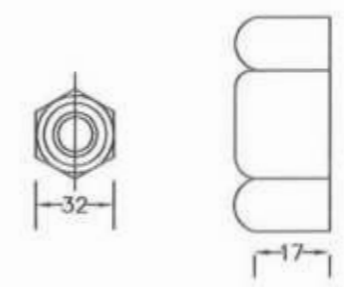
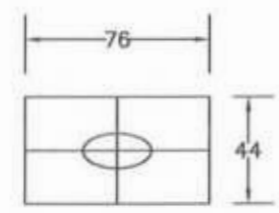
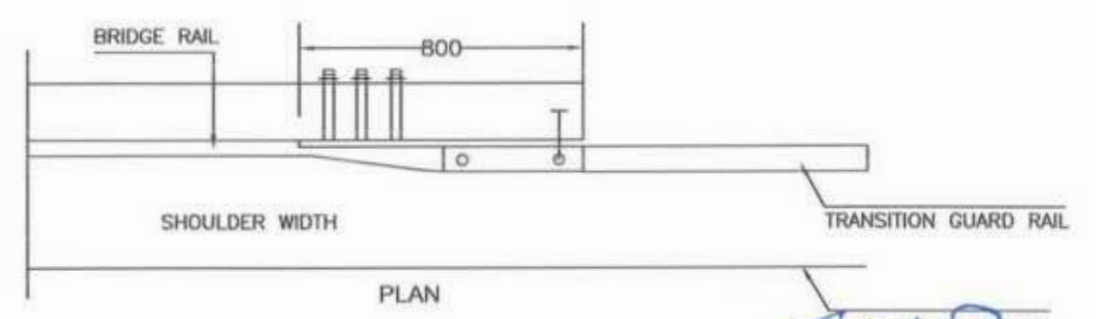
NOTES:-

1. PRECAST CONCRETE SHALL BE CLASS "A1" AS PER G.S.I 401
2. CONCRETE COVER 35mm
3. P.C.C CLASS "B" AS PER G.S.I 401
4. LEAN CONCRETE SHALL BE AS PER G.S.I 401
5. REINFORCEMENT DEFORMED GRADE 40 AS PER AASHTO M-31
6. BACKGROUND COLOUR WILL BE WHITE WHILE LETTERING COLOUR WILL BE BLACK.
7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58235-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRAN APPROVED: AGEEL YOUSIF	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	RRD UCH NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S. DATE: AUG. 2024	KM POST DETAILS



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



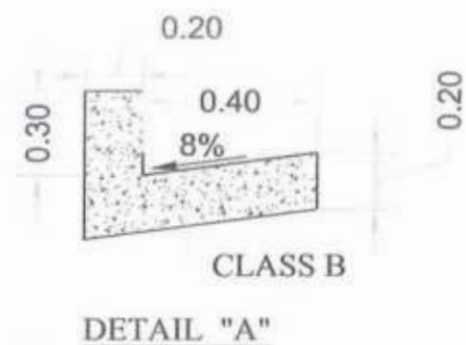
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5805-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: AAMIR KHAN	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>	RRD_UCH_NR1	N.T.S.	<p>GUARD RAIL DETAILS</p> <p>DWG NO. CEC/KP-RRDP/RRD_UCH_NR1/GR-10</p>
		a			DRAWN: IMRAN TARGO		OVERER ROAD CHITRAL	DATE:	
		b			CHECKED: SHAHZAD DURRANI		FLOOD AFFECTED ROAD	AUG. 2024	
		c			APPROVED: ADEEL YOUNIS				



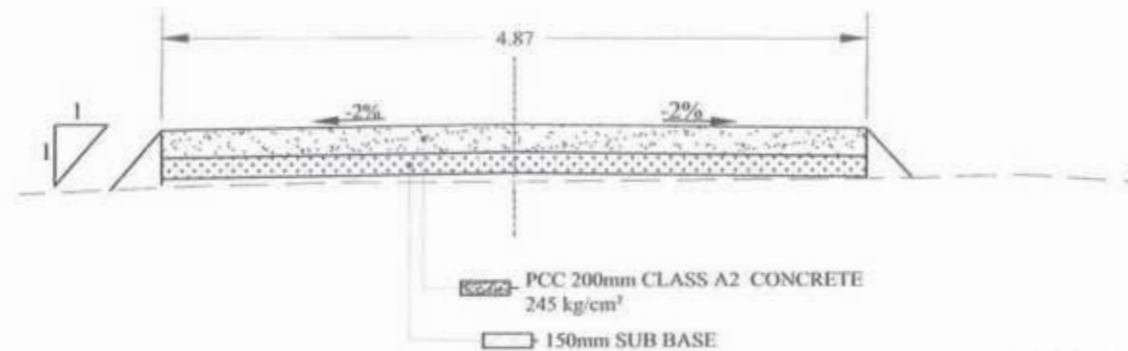
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

TYPICAL SECTIONS

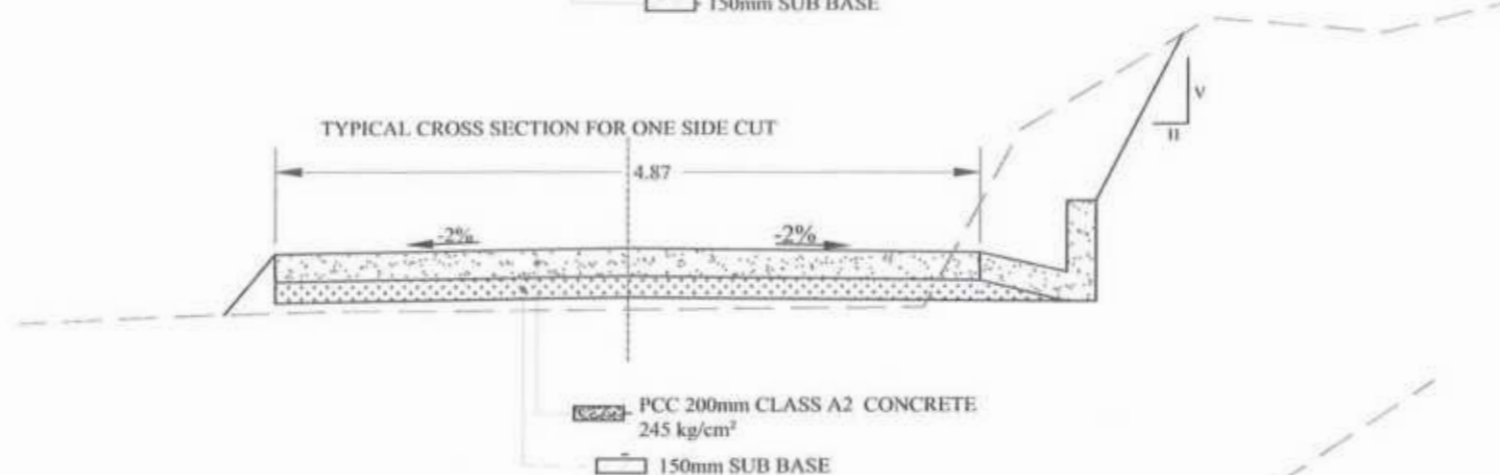




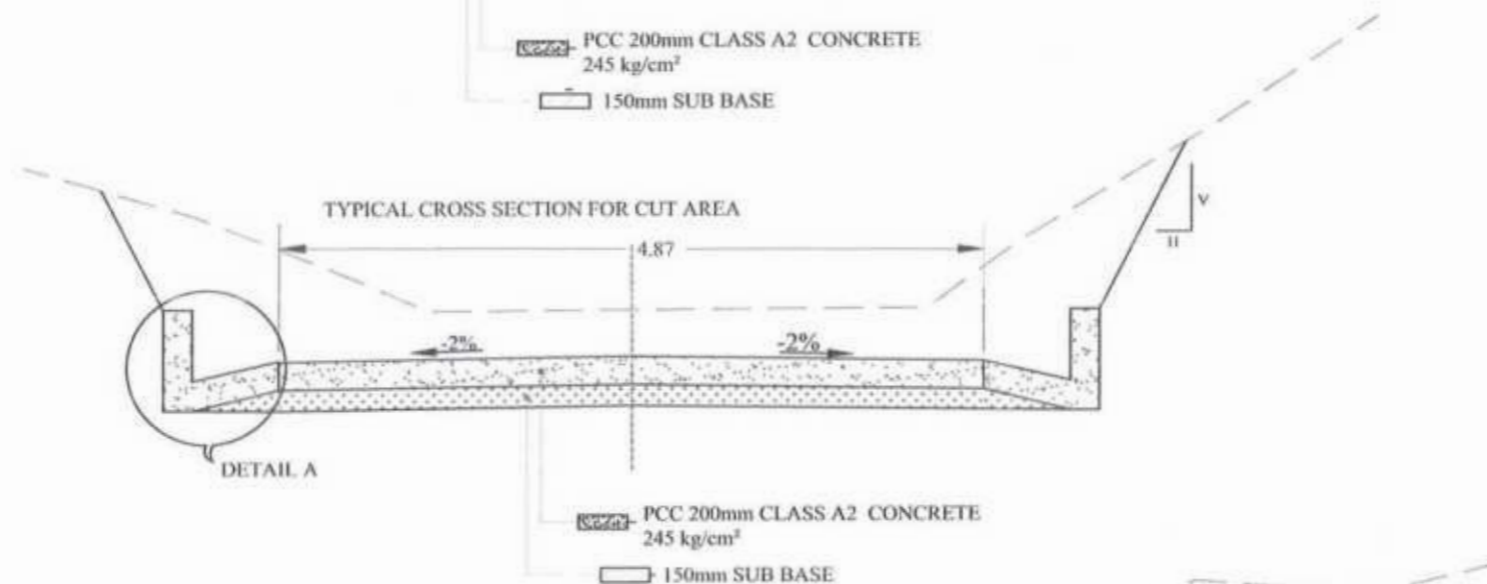
TYPICAL CROSS SECTION FOR OPEN AREA



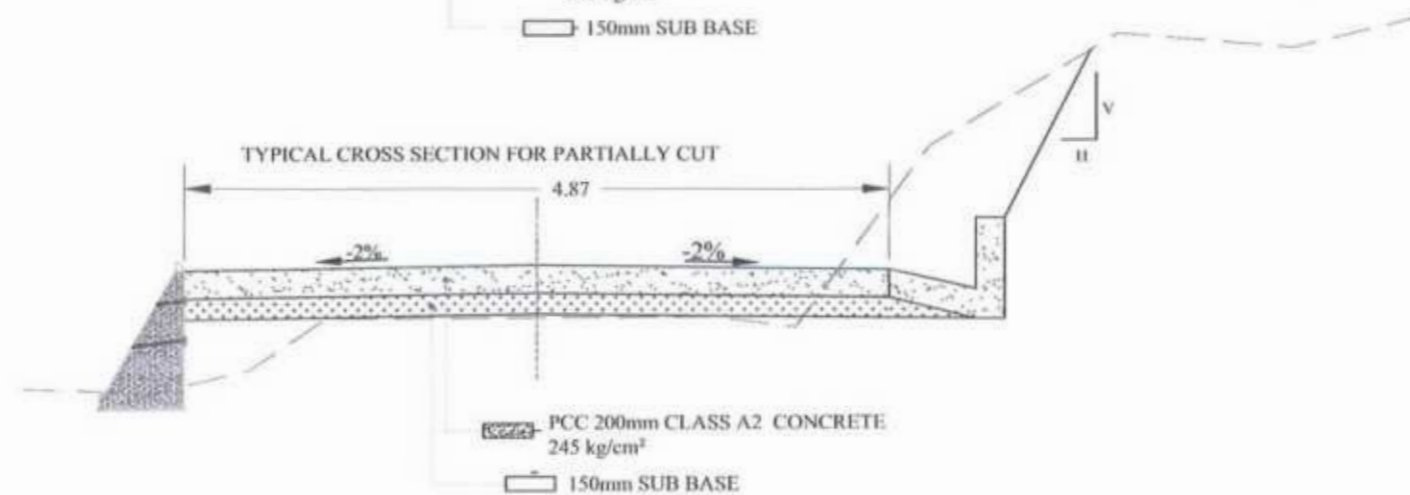
TYPICAL CROSS SECTION FOR ONE SIDE CUT



TYPICAL CROSS SECTION FOR CUT AREA



TYPICAL CROSS SECTION FOR PARTIALLY CUT



S.NO	DESCRIPTION	SIDE SLOPE DETAIL (V : H)
1	HARD & MEDIUM ROCK	1:0.25
2	COMMON & SOFT	1: 0.5

Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINS CONSULTANT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT:	
		0	AUG, 2024	TENDER DRAWINGS	DESIGNED	REHMAT		UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	NTS:	TYPICAL CROSS SECTIONS
		a			DRAWN:	INAM ULLAH			DATE:	
		b			CHECKED:	S-DURRANI			AUG, 2024	
		c			APPROVED:	AGEEL YOUNIS			DWGNO. CEC/KP-RRDP/HWN/UCH-NR1/TCS-01	
d										



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

CENTER LINE DATA



CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
1	0+000.00	4,004,104.63	237,700.39
2	0+025.00	4,004,096.40	237,676.78
3	0+050.00	4,004,088.17	237,653.17
4	0+075.00	4,004,079.94	237,629.57
5	0+100.00	4,004,078.54	237,605.26
6	0+125.00	4,004,078.69	237,580.66
7	0+150.00	4,004,071.25	237,556.82
8	0+175.00	4,004,068.30	237,532.00
9	0+200.00	4,004,065.59	237,507.14
10	0+225.00	4,004,062.96	237,482.28
11	0+250.00	4,004,061.19	237,457.35
12	0+275.00	4,004,057.91	237,432.66
13	0+300.00	4,004,047.99	237,409.72
14	0+325.00	4,004,044.81	237,385.08
15	0+350.00	4,004,050.96	237,360.97
16	0+375.00	4,004,060.10	237,337.71
17	0+400.00	4,004,070.36	237,314.91
18	0+425.00	4,004,079.41	237,291.66
19	0+450.00	4,004,081.80	237,266.81
20	0+475.00	4,004,092.30	237,244.49
21	0+500.00	4,004,107.23	237,224.47
22	0+525.00	4,004,126.51	237,208.61
23	0+550.00	4,004,142.74	237,189.62
24	0+575.00	4,004,159.35	237,170.98
25	0+600.00	4,004,178.66	237,155.11
26	0+625.00	4,004,197.51	237,138.69
27	0+650.00	4,004,220.45	237,129.36
28	0+675.00	4,004,244.81	237,126.71
29	0+700.00	4,004,255.41	237,147.09
30	0+725.00	4,004,238.21	237,163.16
31	0+750.00	4,004,216.22	237,172.48
32	0+775.00	4,004,236.07	237,179.60
33	0+800.00	4,004,261.04	237,178.47
34	0+825.00	4,004,283.05	237,188.53
35	0+850.00	4,004,289.26	237,211.91
36	0+875.00	4,004,284.00	237,236.35
37	0+900.00	4,004,282.70	237,260.69
38	0+925.00	4,004,304.61	237,268.28
39	0+950.00	4,004,325.95	237,276.54
40	0+975.00	4,004,323.38	237,300.99

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
41	1+000.00	4,004,329.54	237,324.43
42	1+025.00	4,004,347.84	237,341.18
43	1+050.00	4,004,372.07	237,341.01
44	1+075.00	4,004,372.28	237,318.47
45	1+100.00	4,004,368.81	237,294.19
46	1+125.00	4,004,379.08	237,271.50
47	1+150.00	4,004,397.39	237,254.83
48	1+175.00	4,004,418.10	237,240.83
49	1+200.00	4,004,438.98	237,227.10
50	1+225.00	4,004,462.66	237,219.27
51	1+250.00	4,004,487.26	237,221.17
52	1+275.00	4,004,509.95	237,231.28
53	1+300.00	4,004,526.84	237,249.59
54	1+325.00	4,004,542.34	237,269.20
55	1+350.00	4,004,557.46	237,267.53
56	1+375.00	4,004,546.19	237,245.50
57	1+400.00	4,004,537.33	237,223.06
58	1+425.00	4,004,537.92	237,198.27
59	1+450.00	4,004,528.46	237,175.60
60	1+475.00	4,004,542.40	237,156.02
61	1+500.00	4,004,561.40	237,139.80
62	1+525.00	4,004,570.17	237,116.89
63	1+550.00	4,004,576.64	237,092.79
64	1+575.00	4,004,581.92	237,068.47
65	1+600.00	4,004,594.31	237,046.77
66	1+625.00	4,004,606.96	237,025.20
67	1+650.00	4,004,616.60	237,002.37
68	1+675.00	4,004,623.33	236,978.61
69	1+700.00	4,004,643.79	236,964.62
70	1+725.00	4,004,661.94	236,947.54
71	1+750.00	4,004,678.45	236,928.82
72	1+775.00	4,004,680.47	236,904.76
73	1+800.00	4,004,670.90	236,881.66
74	1+825.00	4,004,659.99	236,859.34
75	1+850.00	4,004,636.85	236,854.02
76	1+875.00	4,004,612.05	236,856.64
77	1+900.00	4,004,587.14	236,854.56
78	1+925.00	4,004,562.25	236,852.17
79	1+950.00	4,004,538.35	236,845.31
80	1+975.00	4,004,517.74	236,831.25

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
81	2+000.00	4,004,494.35	236,823.98
82	2+025.00	4,004,470.57	236,831.22
83	2+050.00	4,004,448.13	236,822.90
84	2+075.00	4,004,430.06	236,805.95
85	2+100.00	4,004,432.62	236,781.86
86	2+125.00	4,004,415.25	236,767.74
87	2+150.00	4,004,390.28	236,769.03
88	2+175.00	4,004,372.69	236,755.25
89	2+200.00	4,004,380.76	236,731.85
90	2+225.00	4,004,367.22	236,715.46
91	2+250.00	4,004,342.48	236,718.98
92	2+275.00	4,004,317.80	236,716.04
93	2+300.00	4,004,294.31	236,707.61
94	2+325.00	4,004,280.90	236,687.52
95	2+350.00	4,004,284.72	236,662.97
96	2+375.00	4,004,281.45	236,638.32
97	2+400.00	4,004,278.57	236,614.01
98	2+425.00	4,004,255.73	236,612.96
99	2+450.00	4,004,235.56	236,602.77
100	2+475.00	4,004,233.29	236,577.92
101	2+500.00	4,004,219.92	236,559.19
102	2+525.00	4,004,196.84	236,549.57
103	2+550.00	4,004,176.01	236,536.47
104	2+575.00	4,004,166.29	236,513.53
105	2+600.00	4,004,157.81	236,490.02
106	2+625.00	4,004,157.16	236,465.29
107	2+650.00	4,004,158.25	236,440.47
108	2+675.00	4,004,152.76	236,416.08
109	2+700.00	4,004,147.03	236,391.75
110	2+725.00	4,004,134.90	236,370.08
111	2+750.00	4,004,128.35	236,346.15
112	2+775.00	4,004,121.75	236,322.06
113	2+800.00	4,004,124.97	236,297.56
114	2+825.00	4,004,113.70	236,280.86
115	2+850.00	4,004,090.48	236,289.97
116	2+875.00	4,004,071.00	236,305.57
117	2+900.00	4,004,051.04	236,320.46
118	2+925.00	4,004,026.79	236,325.41
119	2+950.00	4,004,002.63	236,319.41
120	2+975.00	4,003,984.14	236,303.83

[Handwritten Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

[Handwritten Signature]



GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:
		0	AUG. 2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S AUG. 2024	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/HW/RRD-UCH-NR-1/HCD/A
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AGEEL YOUNIS						

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
121	3+000.00	4,003,985.06	236,279.70
122	3+025.00	4,004,001.42	236,261.13
123	3+050.00	4,004,025.80	236,256.21
124	3+075.00	4,004,044.22	236,240.39
125	3+100.00	4,004,053.05	236,217.16
126	3+125.00	4,004,053.16	236,192.19
127	3+150.00	4,004,052.23	236,167.25
128	3+175.00	4,004,063.90	236,145.73
129	3+200.00	4,004,081.14	236,127.78
130	3+225.00	4,004,088.85	236,104.26
131	3+250.00	4,004,092.33	236,079.66
132	3+275.00	4,004,106.56	236,059.90
133	3+300.00	4,004,102.99	236,035.24
134	3+325.00	4,004,098.96	236,010.58
135	3+350.00	4,004,104.71	235,986.58
136	3+375.00	4,004,121.40	235,968.14
137	3+400.00	4,004,133.54	235,947.83
138	3+425.00	4,004,117.85	235,928.96
139	3+450.00	4,004,101.69	235,910.08
140	3+475.00	4,004,091.42	235,887.29
141	3+500.00	4,004,087.01	235,863.29
142	3+525.00	4,004,089.76	235,838.74
143	3+550.00	4,004,079.15	235,816.33
144	3+575.00	4,004,067.10	235,794.52
145	3+600.00	4,004,060.15	235,770.63
146	3+625.00	4,004,043.84	235,751.75
147	3+650.00	4,004,034.43	235,729.00
148	3+675.00	4,004,031.34	235,704.60
149	3+700.00	4,004,011.99	235,689.29
150	3+725.00	4,003,996.12	235,670.02
151	3+750.00	4,003,980.84	235,650.24
152	3+775.00	4,003,965.14	235,630.79
153	3+800.00	4,003,948.75	235,611.91
154	3+825.00	4,003,932.71	235,592.77
155	3+850.00	4,003,937.64	235,570.08
156	3+875.00	4,003,946.53	235,547.42
157	3+900.00	4,003,943.55	235,522.66
158	3+925.00	4,003,947.06	235,497.92
159	3+950.00	4,003,946.09	235,473.18
160	3+975.00	4,003,934.62	235,451.07




CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
161	4+000.00	4,003,923.85	235,428.53
162	4+025.00	4,003,912.89	235,406.19
163	4+050.00	4,003,890.77	235,396.28
164	4+075.00	4,003,865.77	235,396.58
165	4+100.00	4,003,844.11	235,386.94
166	4+125.00	4,003,844.51	235,363.35
167	4+150.00	4,003,857.66	235,342.09
168	4+175.00	4,003,873.13	235,322.47
169	4+200.00	4,003,890.32	235,304.33
170	4+225.00	4,003,905.81	235,284.78
171	4+250.00	4,003,915.39	235,261.78
172	4+275.00	4,003,918.24	235,237.03
173	4+300.00	4,003,918.11	235,212.03
174	4+325.00	4,003,918.45	235,187.06
175	4+350.00	4,003,935.49	235,170.06
176	4+375.00	4,003,943.40	235,148.14
177	4+400.00	4,003,940.19	235,123.34
178	4+425.00	4,003,945.13	235,100.75
179	4+450.00	4,003,967.29	235,107.78
180	4+475.00	4,003,987.47	235,122.53
181	4+500.00	4,004,009.54	235,134.13
182	4+525.00	4,004,032.57	235,143.87
183	4+550.00	4,004,055.59	235,153.62
184	4+575.00	4,004,079.28	235,160.84
185	4+600.00	4,004,100.96	235,150.05
186	4+625.00	4,004,108.61	235,126.62
187	4+650.00	4,004,112.83	235,101.98
188	4+675.00	4,004,117.06	235,077.34
189	4+700.00	4,004,121.58	235,052.75
190	4+725.00	4,004,130.36	235,029.41
191	4+750.00	4,004,144.14	235,008.60
192	4+775.00	4,004,158.94	234,988.47
193	4+800.00	4,004,170.32	234,966.22
194	4+825.00	4,004,182.14	234,944.22
195	4+850.00	4,004,198.78	234,925.62
196	4+875.00	4,004,210.25	234,903.71
197	4+900.00	4,004,216.22	234,879.49
198	4+925.00	4,004,230.81	234,859.31
199	4+950.00	4,004,246.98	234,840.26
200	4+975.00	4,004,267.64	234,826.42

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
201	5+000.00	4,004,289.95	234,815.17
202	5+025.00	4,004,311.00	234,801.74
203	5+050.00	4,004,335.19	234,795.62
204	5+075.00	4,004,357.70	234,784.91
205	5+100.00	4,004,381.33	234,776.83
206	5+125.00	4,004,397.61	234,759.04
207	5+150.00	4,004,408.52	234,736.92
208	5+175.00	4,004,430.68	234,725.62
209	5+200.00	4,004,453.03	234,714.65
210	5+225.00	4,004,456.97	234,691.70
211	5+250.00	4,004,440.14	234,673.30
212	5+275.00	4,004,433.42	234,651.02
213	5+300.00	4,004,432.67	234,627.28
214	5+325.00	4,004,430.61	234,602.84
215	5+350.00	4,004,427.55	234,578.63
216	5+375.00	4,004,409.67	234,561.65
217	5+400.00	4,004,421.44	234,543.07
218	5+425.00	4,004,430.21	234,520.95
219	5+450.00	4,004,444.03	234,500.91
220	5+475.00	4,004,431.07	234,481.26
221	5+500.00	4,004,424.81	234,457.42
222	5+525.00	4,004,417.30	234,433.65
223	5+550.00	4,004,423.66	234,409.80
224	5+575.00	4,004,423.99	234,384.99
225	5+600.00	4,004,429.58	234,361.12
226	5+625.00	4,004,411.69	234,344.68
227	5+650.00	4,004,405.03	234,321.72
228	5+675.00	4,004,399.49	234,298.00
229	5+700.00	4,004,385.08	234,277.63
230	5+725.00	4,004,364.48	234,263.56
231	5+750.00	4,004,350.99	234,242.72
232	5+775.00	4,004,339.04	234,220.76
233	5+800.00	4,004,332.14	234,197.02
234	5+825.00	4,004,330.68	234,172.11
235	5+850.00	4,004,321.85	234,148.79
236	5+875.00	4,004,321.66	234,124.35
237	5+900.00	4,004,333.33	234,102.26
238	5+925.00	4,004,333.97	234,077.86
239	5+950.00	4,004,323.08	234,055.36
240	5+975.00	4,004,304.61	234,039.89

[Handwritten Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

[Handwritten Signature]



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		a	AUG. 2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/RW/RRD-UCH-NR-01 HCD/B
		b			DRAWN	IMRAN TARIQ			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG. 2024	
			APPROVED	AQEEL YOUNIS						

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
241	6+000.00	4,004,281.62	234,032.15
242	6+025.00	4,004,273.73	234,008.58
243	6+050.00	4,004,268.45	233,984.55
244	6+075.00	4,004,265.09	233,959.90
245	6+100.00	4,004,254.87	233,937.10
246	6+125.00	4,004,240.12	233,917.24
247	6+150.00	4,004,230.47	233,895.80
248	6+175.00	4,004,238.49	233,872.40
249	6+200.00	4,004,222.23	233,854.95
250	6+225.00	4,004,206.38	233,836.38
251	6+250.00	4,004,198.32	233,812.71
252	6+275.00	4,004,186.08	233,791.05
253	6+300.00	4,004,172.73	233,769.99
254	6+325.00	4,004,165.11	233,746.19
255	6+350.00	4,004,157.09	233,722.53
256	6+375.00	4,004,146.07	233,700.09
257	6+400.00	4,004,132.71	233,679.25
258	6+425.00	4,004,110.67	233,667.61
259	6+450.00	4,004,097.43	233,646.69
260	6+475.00	4,004,091.49	233,622.80
261	6+500.00	4,004,093.15	233,597.88
262	6+525.00	4,004,080.59	233,577.11
263	6+550.00	4,004,062.10	233,560.29
264	6+575.00	4,004,043.61	233,543.46
265	6+600.00	4,004,025.12	233,526.64
266	6+625.00	4,004,007.31	233,509.16
267	6+650.00	4,003,998.19	233,486.05
268	6+675.00	4,003,985.35	233,464.80
269	6+700.00	4,003,966.06	233,449.00
270	6+725.00	4,003,954.23	233,427.24
271	6+750.00	4,003,934.42	233,412.78
272	6+775.00	4,003,926.36	233,390.17
273	6+800.00	4,003,922.95	233,365.46
274	6+825.00	4,003,912.83	233,342.69
275	6+850.00	4,003,907.00	233,318.91
276	6+875.00	4,003,898.65	233,295.81
277	6+900.00	4,003,879.02	233,280.56
278	6+925.00	4,003,864.42	233,260.51
279	6+950.00	4,003,852.20	233,238.69
280	6+975.00	4,003,839.99	233,216.88


CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
281	7+000.00	4,003,825.23	233,196.95
282	7+025.00	4,003,807.49	233,179.84
283	7+050.00	4,003,792.06	233,160.27
284	7+075.00	4,003,779.32	233,139.13
285	7+100.00	4,003,776.46	233,114.32
286	7+125.00	4,003,768.68	233,090.70
287	7+150.00	4,003,760.22	233,067.32
288	7+175.00	4,003,766.51	233,043.50
289	7+200.00	4,003,776.24	233,020.49
290	7+225.00	4,003,783.53	232,996.57
291	7+250.00	4,003,793.65	232,973.84
292	7+275.00	4,003,807.78	232,953.22
293	7+300.00	4,003,818.34	232,930.58
294	7+325.00	4,003,834.72	232,912.29
295	7+350.00	4,003,849.37	232,892.12
296	7+375.00	4,003,860.20	232,869.62
297	7+400.00	4,003,874.41	232,849.06
298	7+425.00	4,003,885.83	232,826.98
299	7+450.00	4,003,895.16	232,803.84
300	7+475.00	4,003,911.20	232,784.83
301	7+500.00	4,003,931.70	232,770.73
302	7+525.00	4,003,956.04	232,765.70
303	7+550.00	4,003,979.81	232,759.39
304	7+575.00	4,003,997.11	232,741.38
305	7+600.00	4,004,015.98	232,725.27
306	7+625.00	4,004,031.37	232,706.11
307	7+650.00	4,004,051.39	232,691.31
308	7+675.00	4,004,060.86	232,668.40
309	7+700.00	4,004,074.50	232,647.92
310	7+725.00	4,004,089.30	232,628.48
311	7+750.00	4,004,097.62	232,605.42
312	7+775.00	4,004,110.22	232,583.84
313	7+800.00	4,004,121.03	232,561.37
314	7+825.00	4,004,131.47	232,538.85
315	7+850.00	4,004,136.26	232,515.58
316	7+875.00	4,004,137.38	232,490.79
317	7+900.00	4,004,139.96	232,466.07
318	7+925.00	4,004,158.44	232,450.42
319	7+950.00	4,004,172.81	232,430.68
320	7+975.00	4,004,196.44	232,435.64

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
321	8+000.00	4,004,220.13	232,429.87
322	8+025.00	4,004,241.72	232,428.99
323	8+050.00	4,004,240.01	232,453.65
324	8+075.00	4,004,235.01	232,478.07
325	8+100.00	4,004,223.34	232,500.16
326	8+125.00	4,004,217.20	232,524.20
327	8+150.00	4,004,215.42	232,549.14
328	8+175.00	4,004,207.66	232,572.77
329	8+200.00	4,004,215.21	232,580.97
330	8+225.00	4,004,230.90	232,561.50
331	8+250.00	4,004,246.84	232,542.26
332	8+275.00	4,004,264.28	232,524.34
333	8+300.00	4,004,281.67	232,506.38
334	8+325.00	4,004,296.14	232,486.06
335	8+350.00	4,004,308.47	232,464.37
336	8+375.00	4,004,328.09	232,449.25
337	8+400.00	4,004,350.64	232,438.45
338	8+425.00	4,004,373.64	232,428.77
339	8+450.00	4,004,396.91	232,420.11
340	8+475.00	4,004,419.52	232,410.99
341	8+500.00	4,004,444.27	232,407.62
342	8+525.00	4,004,464.34	232,393.21
343	8+550.00	4,004,481.02	232,374.67
344	8+575.00	4,004,496.07	232,354.71
345	8+600.00	4,004,510.08	232,334.00
346	8+625.00	4,004,529.03	232,319.24
347	8+650.00	4,004,546.77	232,305.19
348	8+675.00	4,004,535.46	232,283.02
349	8+700.00	4,004,534.13	232,258.15
350	8+725.00	4,004,548.82	232,241.15
351	8+750.00	4,004,571.76	232,231.40
352	8+775.00	4,004,596.15	232,226.74
353	8+800.00	4,004,620.61	232,222.47
354	8+825.00	4,004,645.56	232,220.97
355	8+850.00	4,004,669.82	232,220.43
356	8+875.00	4,004,693.20	232,212.45
357	8+900.00	4,004,717.97	232,209.13
358	8+925.00	4,004,742.73	232,210.93
359	8+950.00	4,004,767.59	232,211.85
360	8+975.00	4,004,788.59	232,202.45


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58838-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:
		0	AUG. 2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S. DATE: AUG, 2024	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/PIU/RRD-UCH-NR-01 HCD/C
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AQEEL YOUNIS						

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
361	9+000.00	4,004,803.47	232,182.36
362	9+025.00	4,004,823.50	232,167.76
363	9+050.00	4,004,832.21	232,145.72
364	9+075.00	4,004,841.96	232,123.65
365	9+100.00	4,004,861.78	232,108.68
366	9+125.00	4,004,883.24	232,096.07
367	9+150.00	4,004,892.41	232,073.13
368	9+175.00	4,004,910.04	232,055.79
369	9+200.00	4,004,934.71	232,053.51
370	9+225.00	4,004,959.18	232,049.58
371	9+250.00	4,004,983.87	232,046.01
372	9+275.00	4,005,008.66	232,042.86
373	9+300.00	4,005,033.39	232,040.08
374	9+325.00	4,005,046.30	232,019.37
375	9+350.00	4,005,059.62	231,998.34
376	9+375.00	4,005,064.58	231,975.45
377	9+400.00	4,005,058.48	231,951.21
378	9+425.00	4,005,061.07	231,927.01
379	9+450.00	4,005,056.86	231,904.66
380	9+475.00	4,005,038.70	231,887.64
381	9+500.00	4,005,021.65	231,870.08
382	9+525.00	4,005,024.65	231,845.91
383	9+550.00	4,005,026.80	231,821.17
384	9+575.00	4,005,033.48	231,797.71
385	9+600.00	4,005,053.29	231,784.11
386	9+625.00	4,005,078.16	231,781.64
387	9+650.00	4,005,095.65	231,764.81
388	9+675.00	4,005,110.12	231,744.43
389	9+700.00	4,005,124.60	231,724.05
390	9+725.00	4,005,139.08	231,703.67
391	9+750.00	4,005,157.72	231,688.76
392	9+775.00	4,005,178.53	231,682.99
393	9+800.00	4,005,189.38	231,661.21
394	9+825.00	4,005,210.52	231,647.99
395	9+850.00	4,005,235.09	231,644.25
396	9+875.00	4,005,260.05	231,642.92
397	9+900.00	4,005,282.13	231,632.14
398	9+925.00	4,005,304.44	231,620.94
399	9+950.00	4,005,327.15	231,610.49
400	9+975.00	4,005,337.07	231,591.66




CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
401	10+000.00	4,005,327.55	231,570.62
402	10+025.00	4,005,343.48	231,551.54
403	10+050.00	4,005,355.11	231,531.45
404	10+075.00	4,005,336.30	231,516.65
405	10+100.00	4,005,316.56	231,502.44
406	10+125.00	4,005,320.70	231,479.06
407	10+150.00	4,005,341.44	231,468.03
408	10+175.00	4,005,363.60	231,457.56
409	10+200.00	4,005,383.98	231,448.52
410	10+225.00	4,005,401.52	231,431.10
411	10+250.00	4,005,424.16	231,420.49
412	10+275.00	4,005,446.80	231,409.88
413	10+300.00	4,005,466.80	231,395.40
414	10+325.00	4,005,487.62	231,381.66
415	10+350.00	4,005,510.18	231,373.60
416	10+375.00	4,005,528.80	231,360.49
417	10+400.00	4,005,535.81	231,337.51
418	10+425.00	4,005,529.60	231,313.59
419	10+450.00	4,005,521.90	231,290.27
420	10+475.00	4,005,511.53	231,268.69
421	10+500.00	4,005,523.33	231,246.73
422	10+525.00	4,005,528.34	231,222.35
423	10+550.00	4,005,529.90	231,197.40
424	10+575.00	4,005,531.47	231,172.45
425	10+600.00	4,005,533.32	231,147.52
426	10+625.00	4,005,535.74	231,122.64
427	10+650.00	4,005,545.14	231,100.54
428	10+675.00	4,005,562.60	231,082.94
429	10+700.00	4,005,577.28	231,062.73
430	10+725.00	4,005,592.74	231,043.08
431	10+750.00	4,005,606.94	231,022.53
432	10+775.00	4,005,619.99	231,001.21
433	10+800.00	4,005,627.59	230,980.98
434	10+825.00	4,005,611.27	230,962.23
435	10+850.00	4,005,623.67	230,941.43
436	10+875.00	4,005,638.57	230,921.35
437	10+900.00	4,005,653.41	230,901.24
438	10+925.00	4,005,667.17	230,880.43
439	10+950.00	4,005,677.83	230,857.81
440	10+975.00	4,005,690.13	230,836.11

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
441	11+000.00	4,005,682.56	230,829.64
442	11+025.00	4,005,664.59	230,814.04
443	11+050.00	4,005,642.31	230,804.28
444	11+075.00	4,005,621.38	230,812.78
445	11+100.00	4,005,630.53	230,790.37
446	11+125.00	4,005,638.17	230,766.71
447	11+150.00	4,005,649.22	230,744.28
448	11+175.00	4,005,662.51	230,723.26
449	11+200.00	4,005,680.41	230,705.81
450	11+225.00	4,005,698.44	230,688.49
451	11+250.00	4,005,717.57	230,672.40
452	11+275.00	4,005,735.57	230,655.14
453	11+300.00	4,005,750.80	230,635.32
454	11+325.00	4,005,768.52	230,617.72
455	11+350.00	4,005,786.99	230,600.87
456	11+375.00	4,005,805.97	230,584.60
457	11+400.00	4,005,825.32	230,568.80
458	11+425.00	4,005,845.70	230,554.49
459	11+450.00	4,005,861.48	230,535.22
460	11+475.00	4,005,871.95	230,512.55
461	11+500.00	4,005,889.93	230,495.44
462	11+525.00	4,005,910.00	230,480.54
463	11+550.00	4,005,928.28	230,463.60
464	11+575.00	4,005,948.10	230,448.68
465	11+600.00	4,005,969.89	230,436.43
466	11+625.00	4,005,989.03	230,420.55
467	11+650.00	4,006,005.04	230,401.45
468	11+675.00	4,006,017.27	230,379.87
469	11+700.00	4,006,033.51	230,361.29
470	11+725.00	4,006,051.55	230,346.01
471	11+750.00	4,006,051.12	230,334.10
472	11+775.00	4,006,026.85	230,328.20
473	11+800.00	4,006,002.76	230,329.39
474	11+825.00	4,005,992.50	230,321.79
475	11+850.00	4,005,998.47	230,297.86
476	11+875.00	4,006,011.59	230,279.83
477	11+900.00	4,006,034.62	230,273.90
478	11+925.00	4,006,048.70	230,254.54
479	11+950.00	4,006,072.96	230,249.04
480	11+975.00	4,006,097.65	230,252.89


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		d	AUG. 2024	Tender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO: CEC/KP-RRDP/HW/RRD-UCH-NR-01 HCD/D
		e			DRAWN	IMRAN TARIO				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AOEEL YOUNIS						

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
481	12+000.00	4,006,122.51	230,254.75
482	12+025.00	4,006,133.10	230,234.03
483	12+050.00	4,006,139.45	230,209.87
484	12+075.00	4,006,149.12	230,187.11
485	12+100.00	4,006,164.02	230,167.12
486	12+125.00	4,006,182.77	230,151.05
487	12+150.00	4,006,204.97	230,139.57
488	12+175.00	4,006,227.71	230,129.46
489	12+200.00	4,006,236.47	230,106.70
490	12+225.00	4,006,250.21	230,085.90
491	12+250.00	4,006,264.61	230,065.47
492	12+275.00	4,006,278.22	230,044.49
493	12+300.00	4,006,291.81	230,023.51
494	12+325.00	4,006,307.11	230,003.80
495	12+350.00	4,006,324.34	229,985.72
496	12+375.00	4,006,329.01	229,961.86
497	12+400.00	4,006,337.13	229,945.83
498	12+425.00	4,006,361.80	229,946.27
499	12+450.00	4,006,382.70	229,934.71
500	12+475.00	4,006,401.23	229,918.16
501	12+500.00	4,006,403.12	229,893.75
502	12+525.00	4,006,422.73	229,880.95
503	12+550.00	4,006,428.10	229,857.76
504	12+575.00	4,006,444.40	229,839.86
505	12+600.00	4,006,457.98	229,819.05
506	12+625.00	4,006,479.63	229,807.41
507	12+650.00	4,006,499.54	229,793.55
508	12+675.00	4,006,514.58	229,773.92
509	12+700.00	4,006,539.15	229,771.80
510	12+725.00	4,006,560.58	229,759.41
511	12+750.00	4,006,580.93	229,744.89
512	12+775.00	4,006,601.31	229,730.41
513	12+800.00	4,006,625.26	229,724.75
514	12+825.00	4,006,645.80	229,713.17
515	12+850.00	4,006,641.96	229,691.89
516	12+875.00	4,006,623.89	229,675.13
517	12+900.00	4,006,617.64	229,651.17
518	12+925.00	4,006,613.37	229,626.60
519	12+950.00	4,006,632.28	229,629.44
520	12+975.00	4,006,652.41	229,643.70

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
521	13+000.00	4,006,675.95	229,638.51
522	13+025.00	4,006,698.99	229,631.25
523	13+050.00	4,006,721.32	229,620.20
524	13+075.00	4,006,743.55	229,608.82
525	13+100.00	4,006,768.03	229,604.11
526	13+125.00	4,006,792.85	229,601.13
527	13+150.00	4,006,817.67	229,598.14
528	13+175.00	4,006,824.04	229,588.87
529	13+200.00	4,006,799.78	229,583.29
530	13+225.00	4,006,776.90	229,573.35
531	13+250.00	4,006,755.61	229,560.25
532	13+275.00	4,006,734.32	229,547.15
533	13+300.00	4,006,713.02	229,534.06
534	13+325.00	4,006,691.73	229,520.96
535	13+350.00	4,006,674.54	229,503.25
536	13+375.00	4,006,661.92	229,481.67
537	13+400.00	4,006,643.94	229,464.42
538	13+425.00	4,006,626.50	229,446.53
539	13+450.00	4,006,608.64	229,429.50
540	13+475.00	4,006,602.53	229,414.53
541	13+500.00	4,006,626.48	229,421.23
542	13+525.00	4,006,651.31	229,424.17
543	13+550.00	4,006,676.12	229,427.17
544	13+575.00	4,006,700.86	229,430.80
545	13+600.00	4,006,725.58	229,434.51
546	13+625.00	4,006,749.87	229,440.39
547	13+650.00	4,006,774.13	229,446.42
548	13+675.00	4,006,786.58	229,429.38
549	13+700.00	4,006,794.64	229,406.50
550	13+725.00	4,006,806.21	229,385.12
551	13+750.00	4,006,810.76	229,360.71
552	13+775.00	4,006,826.13	229,341.03
553	13+800.00	4,006,830.42	229,318.54
554	13+825.00	4,006,816.82	229,297.57
555	13+850.00	4,006,817.76	229,279.76
556	13+875.00	4,006,840.81	229,287.19
557	13+900.00	4,006,861.69	229,273.77
558	13+925.00	4,006,883.08	229,263.55
559	13+950.00	4,006,906.36	229,270.80
560	13+975.00	4,006,931.31	229,269.41

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
561	14+000.00	4,006,955.05	229,274.87
562	14+025.00	4,006,978.65	229,275.82
563	14+050.00	4,007,003.15	229,273.87
564	14+075.00	4,007,027.46	229,268.15
565	14+100.00	4,007,046.56	229,252.53
566	14+125.00	4,007,068.09	229,240.50
567	14+150.00	4,007,089.24	229,227.84
568	14+175.00	4,007,102.21	229,206.54
569	14+200.00	4,007,124.34	229,196.71
570	14+225.00	4,007,149.28	229,195.04
571	14+250.00	4,007,173.04	229,200.80
572	14+275.00	4,007,194.91	229,212.53
573	14+300.00	4,007,219.83	229,211.78
574	14+325.00	4,007,242.92	229,202.64
575	14+350.00	4,007,267.36	229,199.83
576	14+375.00	4,007,292.13	229,203.20
577	14+400.00	4,007,310.18	229,195.86
578	14+425.00	4,007,287.65	229,186.26
579	14+450.00	4,007,277.62	229,169.33
580	14+475.00	4,007,259.59	229,157.26
581	14+500.00	4,007,236.74	229,148.00
582	14+525.00	4,007,213.31	229,140.76
583	14+550.00	4,007,193.43	229,128.13
584	14+575.00	4,007,177.44	229,108.91
585	14+600.00	4,007,160.03	229,090.98
586	14+625.00	4,007,140.77	229,075.11
587	14+650.00	4,007,119.71	229,061.64
588	14+675.00	4,007,096.53	229,052.62
589	14+700.00	4,007,086.67	229,030.83
590	14+725.00	4,007,084.29	229,005.98
591	14+750.00	4,007,074.76	228,983.00
592	14+775.00	4,007,058.02	228,964.60
593	14+800.00	4,007,036.16	228,952.74
594	14+825.00	4,007,011.30	228,951.98
595	14+850.00	4,006,989.18	228,941.34
596	14+875.00	4,006,969.78	228,925.91
597	14+900.00	4,006,945.43	228,920.79
598	14+925.00	4,006,931.94	228,900.32
599	14+950.00	4,006,922.73	228,877.18
600	14+975.00	4,006,913.18	228,856.60

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:			
		0	AUG, 2024	Tender Drawings.	G.DESIGNED			AAMIR KHAN		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL	N.T.S
		a			DRAWN			IMRAN TARIO				DATE:
		b			CHECKED			SHAHZAD DURRANI				AUG, 2024.
c			APPROVED	AOEEL YOUNIS	DWG NO:CEC/KP-RRDP/PIU/RRD-UCH-NR-01 HCD/E							

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
601	15+000.00	4,006,890.69	228,865.93
602	15+025.00	4,006,871.06	228,878.49
603	15+050.00	4,006,854.87	228,897.08
604	15+075.00	4,006,839.64	228,916.19
605	15+100.00	4,006,816.47	228,925.08
606	15+125.00	4,006,796.48	228,925.95
607	15+150.00	4,006,811.84	228,907.07
608	15+175.00	4,006,815.88	228,883.23
609	15+200.00	4,006,807.67	228,866.54
610	15+225.00	4,006,791.88	228,884.84
611	15+250.00	4,006,767.49	228,882.43
612	15+275.00	4,006,742.58	228,880.89
613	15+300.00	4,006,717.83	228,883.93
614	15+325.00	4,006,693.19	228,888.14
615	15+350.00	4,006,669.53	228,881.32
616	15+375.00	4,006,648.16	228,868.76
617	15+400.00	4,006,629.67	228,853.28
618	15+425.00	4,006,604.78	228,851.15
619	15+450.00	4,006,580.25	228,855.69
620	15+475.00	4,006,555.67	228,859.94
621	15+500.00	4,006,530.80	228,861.53
622	15+525.00	4,006,506.32	228,856.91
623	15+550.00	4,006,483.58	228,866.19
624	15+575.00	4,006,458.69	228,868.09
625	15+600.00	4,006,433.72	228,867.23
626	15+625.00	4,006,408.76	228,866.69
627	15+650.00	4,006,384.62	228,872.81
628	15+675.00	4,006,361.64	228,882.66
629	15+700.00	4,006,337.57	228,889.33
630	15+725.00	4,006,313.80	228,896.78
631	15+750.00	4,006,295.40	228,913.35
632	15+775.00	4,006,279.39	228,932.10
633	15+800.00	4,006,263.44	228,925.94
634	15+825.00	4,006,278.00	228,905.75
635	15+850.00	4,006,290.73	228,884.60
636	15+875.00	4,006,298.89	228,861.03
637	15+900.00	4,006,299.21	228,836.16
638	15+925.00	4,006,291.08	228,812.62
639	15+950.00	4,006,280.24	228,790.11
640	15+975.00	4,006,266.19	228,769.43

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
641	16+000.00	4,006,260.11	228,745.70
642	16+025.00	4,006,270.04	228,723.12
643	16+050.00	4,006,280.51	228,700.98
644	16+075.00	4,006,267.74	228,680.13
645	16+100.00	4,006,273.24	228,656.82
646	16+125.00	4,006,276.14	228,632.25
647	16+150.00	4,006,276.84	228,607.60
648	16+175.00	4,006,281.33	228,583.20
649	16+200.00	4,006,295.80	228,563.45
650	16+225.00	4,006,310.34	228,543.59
651	16+250.00	4,006,317.70	228,519.76
652	16+275.00	4,006,330.22	228,498.14
653	16+300.00	4,006,339.36	228,475.00
654	16+325.00	4,006,349.47	228,452.53
655	16+350.00	4,006,365.09	228,433.26
656	16+375.00	4,006,377.34	228,411.52
657	16+400.00	4,006,392.60	228,391.80
658	16+425.00	4,006,409.72	228,373.91
659	16+450.00	4,006,418.94	228,351.88
660	16+475.00	4,006,426.27	228,328.00
661	16+500.00	4,006,430.45	228,303.40
662	16+525.00	4,006,440.33	228,281.07
663	16+550.00	4,006,437.75	228,256.89
664	16+575.00	4,006,418.59	228,257.70
665	16+600.00	4,006,406.43	228,279.53
666	16+625.00	4,006,390.03	228,297.96
667	16+650.00	4,006,372.11	228,283.62
668	16+675.00	4,006,351.73	228,269.25
669	16+700.00	4,006,328.06	228,262.08
670	16+725.00	4,006,307.20	228,255.85
671	16+750.00	4,006,296.15	228,233.88
672	16+775.00	4,006,272.92	228,225.58
673	16+800.00	4,006,254.29	228,210.25
674	16+825.00	4,006,240.58	228,189.82
675	16+850.00	4,006,216.52	228,191.48
676	16+875.00	4,006,194.24	228,180.25
677	16+900.00	4,006,182.12	228,160.97
678	16+925.00	4,006,170.47	228,145.20
679	16+950.00	4,006,147.62	228,153.33
680	16+975.00	4,006,130.75	228,171.29

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
681	17+000.00	4,006,119.06	228,193.39
682	17+025.00	4,006,108.52	228,216.04
683	17+050.00	4,006,093.01	228,235.62
684	17+075.00	4,006,077.13	228,254.93
685	17+100.00	4,006,054.51	228,254.88
686	17+125.00	4,006,030.96	228,256.08
687	17+150.00	4,006,006.98	228,260.55
688	17+175.00	4,005,983.25	228,267.92
689	17+200.00	4,005,959.34	228,263.30
690	17+225.00	4,005,935.52	228,256.44
691	17+250.00	4,005,910.84	228,260.01
692	17+275.00	4,005,888.10	228,269.26
693	17+300.00	4,005,871.91	228,288.21
694	17+325.00	4,005,851.04	228,301.79
695	17+350.00	4,005,826.64	228,307.11
696	17+375.00	4,005,803.97	228,317.04
697	17+400.00	4,005,788.07	228,336.15
698	17+425.00	4,005,768.66	228,350.95
699	17+450.00	4,005,744.12	228,355.70
700	17+475.00	4,005,720.02	228,362.26
701	17+500.00	4,005,696.15	228,368.44
702	17+525.00	4,005,680.05	228,351.55
703	17+550.00	4,005,681.35	228,326.84
704	17+575.00	4,005,697.15	228,308.22
705	17+600.00	4,005,686.91	228,285.98
706	17+625.00	4,005,666.63	228,272.61
707	17+650.00	4,005,655.17	228,254.33
708	17+675.00	4,005,656.01	228,229.34
709	17+700.00	4,005,652.53	228,204.68
710	17+725.00	4,005,652.47	228,180.99
711	17+750.00	4,005,637.15	228,161.52
712	17+775.00	4,005,618.71	228,164.15
713	17+800.00	4,005,607.13	228,186.02
714	17+825.00	4,005,583.54	228,187.02
715	17+850.00	4,005,558.85	228,185.86
716	17+875.00	4,005,535.04	228,179.17
717	17+900.00	4,005,518.69	228,197.31
718	17+925.00	4,005,495.27	228,203.80
719	17+950.00	4,005,470.45	228,206.55
720	17+975.00	4,005,445.75	228,210.37



Project Director (PIU)
Provincial Roads Improvement Proj
C&W Department Peshawar.




 <p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	 <p>MINCONSULT SDN BHD (COMPANY NO. 58535-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		0	AUG. 2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL		N.T.S
		a			DRAWN	IMRAN TARIQ				DATE:
		b			CHECKED	SHAHZAD DURRANI				AUG. 2024.
c			APPROVED	AOEEL YOUNIS	DWG NO: CEC/KP-RRDP/HW/RRD-UCH-NR-01/HCD/F					

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
721	18+000.00	4,005,420.87	228,208.89
722	18+025.00	4,005,397.34	228,200.69
723	18+050.00	4,005,375.50	228,188.53
724	18+075.00	4,005,361.58	228,168.95
725	18+100.00	4,005,346.45	228,149.20
726	18+125.00	4,005,334.00	228,127.55
727	18+150.00	4,005,320.03	228,106.85
728	18+175.00	4,005,307.85	228,085.18
729	18+200.00	4,005,289.52	228,068.36
730	18+225.00	4,005,278.02	228,046.18
731	18+250.00	4,005,257.11	228,036.66
732	18+275.00	4,005,232.37	228,033.63
733	18+300.00	4,005,208.48	228,026.70
734	18+325.00	4,005,190.63	228,009.33
735	18+350.00	4,005,173.95	227,990.72
736	18+375.00	4,005,160.04	227,969.96
737	18+400.00	4,005,138.09	227,960.43
738	18+425.00	4,005,114.75	227,954.25
739	18+450.00	4,005,106.60	227,931.51
740	18+475.00	4,005,105.78	227,906.52
741	18+500.00	4,005,091.37	227,887.34
742	18+525.00	4,005,088.24	227,864.12
743	18+550.00	4,005,077.90	227,841.54
744	18+575.00	4,005,077.15	227,816.58
745	18+600.00	4,005,083.99	227,792.74
746	18+625.00	4,005,070.90	227,772.23
747	18+650.00	4,005,056.73	227,751.66
748	18+675.00	4,005,043.57	227,730.44
749	18+700.00	4,005,043.86	227,706.04
750	18+725.00	4,005,048.47	227,681.75
751	18+750.00	4,005,046.05	227,657.18
752	18+775.00	4,005,050.41	227,632.74
753	18+800.00	4,005,049.36	227,607.83
754	18+825.00	4,005,042.81	227,583.90
755	18+850.00	4,005,053.13	227,561.28
756	18+875.00	4,005,045.36	227,550.02
757	18+900.00	4,005,023.20	227,554.63
758	18+925.00	4,004,999.61	227,546.36
759	18+950.00	4,004,979.92	227,531.53
760	18+975.00	4,004,961.97	227,514.13




CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
761	19+000.00	4,004,943.48	227,497.31
762	19+025.00	4,004,933.54	227,475.25
763	19+050.00	4,004,923.08	227,452.80
764	19+075.00	4,004,912.31	227,430.37
765	19+100.00	4,004,909.06	227,405.61
766	19+125.00	4,004,909.60	227,380.72
767	19+150.00	4,004,897.20	227,359.61
768	19+175.00	4,004,877.33	227,344.66
769	19+200.00	4,004,860.80	227,325.91
770	19+225.00	4,004,850.21	227,303.63
771	19+250.00	4,004,843.91	227,279.44
772	19+275.00	4,004,834.64	227,256.23
773	19+300.00	4,004,834.17	227,231.93
774	19+325.00	4,004,851.32	227,215.56
775	19+350.00	4,004,867.41	227,196.45
776	19+375.00	4,004,881.08	227,175.55
777	19+400.00	4,004,899.02	227,158.43
778	19+425.00	4,004,906.00	227,134.50
779	19+450.00	4,004,906.96	227,109.71
780	19+475.00	4,004,905.68	227,084.94
781	19+500.00	4,004,911.96	227,060.74
782	19+525.00	4,004,918.42	227,036.59
783	19+550.00	4,004,931.41	227,015.40
784	19+575.00	4,004,944.53	226,994.41
785	19+600.00	4,004,955.21	226,972.49
786	19+625.00	4,004,960.56	226,948.08
787	19+650.00	4,004,970.11	226,925.02
788	19+675.00	4,004,971.03	226,900.10
789	19+700.00	4,004,973.27	226,875.20
790	19+725.00	4,004,983.30	226,852.75
791	19+750.00	4,005,001.81	226,835.96
792	19+775.00	4,005,019.76	226,818.58
793	19+800.00	4,005,035.77	226,799.39
794	19+825.00	4,005,049.63	226,778.69
795	19+850.00	4,005,058.81	226,755.57
796	19+875.00	4,005,061.64	226,730.74
797	19+900.00	4,005,079.07	226,714.39
798	19+925.00	4,005,096.35	226,698.02
799	19+950.00	4,005,100.24	226,673.62
800	19+975.00	4,005,113.46	226,653.30

CENTER LINE COORDINATES			
SNO	Station	Northing	Easting
801	20+000.00	4,005,125.89	226,631.82
802	20+013.81	4,005,131.66	226,619.27


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:		
		a	AUG. 2024.	Fender Drawings.	G. DESIGNED			AAMIR KHAN		N.T.S	
		b			DRAWN			IMRAN TARIQ		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD-UCH-NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD
		c			CHECKED			SHAHZAD DURRANI			
					APPROVED	AQEEL YOUNIS	DWG NO:CEC/KP-RRDPHW/RRD-UCH-NR.01 HCD/G				

HORIZONTAL CURVE DATA



Project Director (PIU)
Provincial Roads Improvement Project

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar



Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C1	0+087.43	237617.8270	4004075.8518	0+081.83	237623.1177	4004077.6961	0+092.76	237612.3482	4004077.0246	20.00	10.93	5.603	31.3001	S86° 25' 55.38"W
C2	0+115.71	237589.9020	4004081.8293	0+106.06	237599.3390	4004079.8093	0+124.89	237580.7634	4004078.7274	35.00	18.83	9.651	30.8310	S86° 39' 59.92"W
C3	0+148.34	237558.5628	4004071.1918	0+140.76	237565.7410	4004073.6283	0+155.86	237551.0270	4004070.3708	69.04	15.10	7.580	12.5310	S77° 31' 00.07"W
C4	0+223.00	237484.2813	4004063.0989	0+219.22	237488.0336	4004063.5077	0+226.77	237480.5162	4004062.8320	200.00	7.55	3.775	2.1624	S84° 51' 48.23"W
C5	0+271.14	237436.2616	4004059.6944	0+263.87	237443.5150	4004060.2086	0+278.25	237429.6427	4004056.6836	40.41	14.39	7.272	20.4036	S75° 44' 34.02"W
C6	0+319.97	237391.6698	4004039.4112	0+293.40	237415.8596	4004050.4142	0+343.78	237366.7963	4004048.7664	64.04	50.38	26.575	45.0708	S88° 04' 34.93"W
C7	0+369.94	237342.3047	4004057.9779	0+359.81	237351.7896	4004054.4105	0+380.07	237333.0710	4004062.1524	312.37	20.26	10.134	3.7161	N67° 31' 48.65"W
C8	0+424.41	237292.6682	4004080.4187	0+411.48	237304.4523	4004075.0910	0+437.04	237279.7517	4004081.0614	68.19	25.56	12.932	21.4791	N76° 24' 42.06"W
C9	0+457.89	237258.9226	4004082.0979	0+447.32	237269.4786	4004081.5726	0+467.90	237250.2933	4004088.2004	36.36	20.57	10.569	32.4185	N70° 56' 31.22"W
C10	0+501.11	237223.1709	4004107.3808	0+491.71	237230.8503	4004101.9501	0+510.34	237217.7222	4004115.0475	55.22	18.63	9.406	19.3316	N45° 04' 01.13"W
C11	0+524.47	237209.5380	4004126.5633	0+513.91	237215.6521	4004117.9603	0+534.89	237201.3451	4004133.2171	77.46	20.98	10.554	15.5174	N43° 09' 35.67"W
C12	0+570.36	237173.8152	4004155.5752	0+560.04	237181.8274	4004149.0681	0+580.60	237167.3472	4004163.6190	97.26	20.57	10.322	12.1159	N44° 51' 38.47"W
C13	0+599.34	237155.6067	4004178.2198	0+590.88	237160.9103	4004171.8241	0+607.80	237150.0076	4004184.5666	370.72	16.92	8.464	2.6157	N40° 06' 38.15"W
C14	0+632.23	237133.8494	4004202.8825	0+622.54	237140.2596	4004195.6163	0+641.55	237131.4484	4004212.2698	40.25	19.02	9.690	27.0711	N27° 52' 58.47"W
C15	0+697.52	237117.5789	4004266.4947	0+663.72	237125.9545	4004233.7490	0+702.28	237149.2754	4004254.7574	17.72	38.56	33.800	124.6671	N47° 59' 10.17"E
C16	0+713.65	237159.9385	4004250.8088	0+703.18	237150.1208	4004254.4443	0+722.47	237162.5329	4004240.6661	19.97	19.29	10.469	55.3325	S42° 00' 50.62"E
C17	0+805.36	237183.0741	4004160.3596	0+742.87	237167.5882	4004220.9022	0+761.71	237180.2099	4004222.7857	6.41	18.84	62.492	168.2792	N81° 30' 45.41"E
C18	0+835.84	237176.8123	4004296.8380	0+799.06	237178.4977	4004260.1039	0+850.86	237212.7588	4004289.0865	28.32	51.80	36.773	104.7960	N49° 46' 15.71"E
C19	0+910.24	237270.7987	4004276.5706	0+888.70	237249.7504	4004281.1095	0+918.38	237268.8740	4004298.0166	15.85	29.68	21.532	107.2972	N48° 31' 13.45"E
C20	0+951.61	237265.9041	4004331.1100	0+931.58	237267.6946	4004311.1584	0+959.11	237285.4629	4004326.7826	14.66	27.53	20.032	107.6039	N48° 40' 25.45"E
C21	0+988.99	237314.6437	4004320.3264	0+973.68	237299.6921	4004323.6344	1+001.87	237325.8364	4004330.7770	29.10	28.19	15.313	55.5117	N74° 43' 11.48"E
C22	1+026.46	237343.8072	4004347.5561	1+014.81	237335.2904	4004339.6040	1+036.67	237343.3945	4004359.2008	25.57	21.87	11.652	48.9936	N22° 28' 01.93"E
C23	1+060.11	237342.5646	4004382.6176	1+043.23	237343.1622	4004365.7563	1+065.66	237327.0588	4004375.9671	11.56	22.42	16.872	111.1850	N57° 37' 19.58"W
C24	1+094.89	237300.1979	4004364.4464	1+078.43	237315.3187	4004370.9317	1+109.23	237285.5017	4004371.8436	35.34	30.80	16.453	49.9325	N88° 14' 54.03"W
C25	1+131.98	237265.1809	4004382.0718	1+121.25	237274.7678	4004377.2464	1+142.24	237259.1706	4004390.9640	41.16	21.00	10.733	29.2269	N48° 40' 07.06"W
C26	1+203.20	237225.0352	4004441.4669	1+194.04	237230.1654	4004433.8768	1+212.20	237222.6000	4004450.2986	55.82	18.16	9.161	18.6396	N24° 44' 07.30"W
C27	1+234.84	237216.5827	4004472.1209	1+222.47	237219.8697	4004460.2001	1+246.54	237220.1694	4004483.9549	42.73	24.07	12.366	32.2766	N0° 43' 21.83"E
C28	1+273.51	237227.9899	4004509.7584	1+256.70	237223.1152	4004493.6744	1+289.27	237241.1729	4004520.1826	53.62	32.57	16.806	34.8043	N34° 15' 47.45"E
C29	1+367.56	237302.5832	4004568.7419	1+331.23	237274.0812	4004546.2043	1+349.51	237267.9949	4004557.6085	6.57	18.29	36.336	159.5078	N28° 05' 18.80"W
C30	1+366.00	237252.3033	4004552.5577	1+356.31	237261.5236	4004555.5255	1+375.37	237245.2332	4004545.9369	43.20	19.06	9.686	25.2776	S59° 31' 07.43"W
C31	1+389.93	237234.6058	4004535.9849	1+377.74	237243.5008	4004544.3146	1+400.56	237222.5001	4004537.3848	26.30	22.82	12.186	49.7162	S71° 44' 16.83"W
C32	1+424.55	237198.6733	4004540.1400	1+413.66	237209.4911	4004538.8891	1+434.44	237189.8341	4004533.7792	28.12	20.78	10.890	42.3353	S75° 25' 42.45"W
C33	1+455.05	237173.1090	4004521.7436	1+437.54	237187.3175	4004531.9682	1+465.70	237161.9477	4004535.2288	18.73	28.16	17.505	86.1256	N82° 40' 34.97"W
C34	1+507.82	237135.0873	4004567.6818	1+495.04	237143.2360	4004557.8364	1+519.41	237122.4250	4004569.4138	32.78	24.37	12.780	42.5978	N60° 54' 44.88"W
C35	1+530.03	237111.9037	4004570.8529	1+525.08	237116.8102	4004570.1818	1+534.95	237107.2242	4004572.4734	50.00	9.87	4.952	11.3127	N76° 33' 18.06"W
C36	1+546.50	237096.3145	4004576.2515	1+540.47	237102.0116	4004574.2786	1+552.48	237090.3326	4004577.0039	57.69	12.01	6.029	11.9329	N76° 51' 54.57"W
C37	1+570.52	237072.4373	4004579.2545	1+560.34	237082.5414	4004577.9837	1+580.43	237063.6531	4004584.4065	49.56	20.09	10.184	23.2232	N71° 13' 12.20"W
C38	1+641.40	237011.0577	4004615.2535	1+633.17	237018.1533	4004611.0920	1+649.43	237002.9281	4004616.5087	43.09	16.26	8.226	21.6146	N70° 24' 56.88"W
C39	1+675.30	236977.3596	4004620.4563	1+662.35	236990.1612	4004618.4798	1+686.36	236971.2773	4004631.8929	25.86	24.02	12.953	53.2181	N54° 36' 50.66"W
C40	1+704.41	236962.8022	4004647.8289	1+694.05	236967.6686	4004638.6786	1+714.58	236955.1924	4004654.8646	61.15	20.53	10.364	19.2401	N37° 37' 30.26"W



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024.	Fender Drawings.	G.DESIGNED	AAMIR KHAN				
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
			c		APPROVED	AQEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	HORIZONTAL CURVE DATA
							FLOOD AFFECTED ROAD	AUG, 2024.	DWG NO.CEC/KP-RRDP/HW/RRD_UCH_NR1/MCD/A	

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C41	1+761.90	236920.4505	4004686.9852	1+744.33	236933.3529	4004675.0563	1+775.58	236904.2185	4004680.2550	27.44	31.26	17.572	65.2750	N79° 52' 57.38"W
C42	1+834.50	236849.7922	4004657.6885	1+816.86	236866.0900	4004664.4460	1+846.38	236853.2982	4004640.3971	21.43	29.52	17.643	78.9418	S28° 00' 32.44"W
C43	1+868.16	236857.6264	4004619.0505	1+853.16	236854.6455	4004633.7520	1+882.94	236856.1912	4004604.1187	100.66	29.78	15.001	16.9521	S2° 59' 09.02"E
C44	1+944.87	236850.2660	4004542.4726	1+924.48	236852.2173	4004562.7742	1+964.20	236837.8332	4004526.3051	70.96	39.72	20.395	32.0701	S21° 31' 31.00"W
C45	1+995.54	236818.7290	4004501.4623	1+974.84	236831.3422	4004517.8644	2+012.35	236826.6867	4004482.3626	35.71	37.51	20.691	60.1789	S7° 28' 15.29"W
C46	2+033.40	236834.7822	4004462.9321	2+021.19	236830.0850	4004474.2061	2+043.23	236827.1338	4004453.4100	20.57	22.04	12.213	61.3908	S8° 04' 36.71"W
C47	2+081.10	236803.4185	4004423.8848	2+066.85	236812.3429	4004434.9955	2+090.65	236790.8472	4004430.5969	17.19	23.80	14.251	79.3261	S78° 26' 07.15"W
C48	2+118.53	236766.2538	4004443.7276	2+091.19	236790.3716	4004430.8508	2+123.82	236767.6740	4004416.4244	15.44	32.64	27.340	121.0759	S57° 33' 37.51"W
C49	2+176.31	236770.4005	4004364.0069	2+151.62	236769.1182	4004388.6594	2+182.64	236747.7868	4004373.9071	15.24	31.02	24.686	116.6212	S55° 19' 58.92"W
C50	2+221.62	236712.0791	4004389.5398	2+198.29	236733.4514	4004380.1831	2+225.76	236715.5555	4004366.4695	12.88	27.46	23.331	122.2127	S52° 32' 14.22"W
C51	2+260.62	236720.7496	4004331.9987	2+245.07	236718.4330	4004347.3728	2+275.59	236715.8546	4004317.2417	64.96	30.52	15.548	26.9200	S4° 53' 27.50"W
C52	2+319.77	236701.9462	4004275.3118	2+294.21	236709.9924	4004299.5688	2+335.45	236677.1384	4004281.4528	27.62	41.24	25.557	85.5526	S61° 07' 38.34"W
C53	2+353.78	236659.3511	4004285.8559	2+346.17	236666.7355	4004284.0280	2+361.10	236651.9537	4004284.0821	31.22	14.92	7.607	27.3880	N89° 47' 25.27"W
C54	2+374.64	236638.7871	4004280.9248	2+366.37	236646.8254	4004282.8523	2+382.80	236630.5267	4004281.2321	60.29	16.43	8.266	15.6146	S84° 19' 22.65"W
C55	2+410.67	236602.6734	4004282.2682	2+390.48	236622.8530	4004281.5176	2+416.73	236609.9972	4004263.4495	13.27	26.25	20.194	113.3951	S35° 25' 57.83"W
C56	2+445.94	236620.5894	4004236.2324	2+423.89	236612.5934	4004256.7784	2+454.27	236598.5945	4004234.7158	16.22	30.38	22.047	107.3203	S32° 23' 43.30"W
C57	2+488.57	236564.3722	4004232.3560	2+478.75	236574.1763	4004233.0321	2+496.35	236560.5903	4004223.2855	15.91	17.61	9.827	63.4224	S54° 20' 39.63"W
C58	2+547.16	236541.0390	4004176.3931	2+534.41	236545.9462	4004188.1626	2+558.45	236529.0687	4004171.9982	29.18	24.04	12.752	47.2062	S46° 14' 10.56"W
C59	2+610.58	236480.1294	4004154.0302	2+596.28	236493.5518	4004158.9582	2+624.13	236466.1388	4004156.9816	49.75	27.85	14.299	32.0729	S85° 52' 32.98"W
C60	2+641.28	236449.3585	4004160.5215	2+627.19	236463.1489	4004157.6123	2+654.92	236435.6334	4004157.3183	63.45	27.74	14.094	25.0488	S89° 23' 16.33"W
C61	2+707.11	236384.8149	4004145.4583	2+698.08	236393.6088	4004147.5107	2+715.89	236377.5305	4004140.1213	44.20	17.82	9.030	23.0922	S65° 19' 02.55"W
C62	2+731.20	236365.1805	4004131.0730	2+721.13	236373.3092	4004137.0286	2+740.85	236355.1850	4004129.7935	39.06	19.72	10.077	28.9338	S68° 14' 17.43"W
C63	2+753.14	236342.9975	4004128.2333	2+741.70	236354.3421	4004129.6856	2+764.51	236332.1314	4004124.6641	120.00	22.81	11.437	10.8888	S77° 15' 38.29"W
C64	2+781.13	236316.3327	4004119.4747	2+769.72	236327.1733	4004123.0355	2+791.85	236305.3817	4004122.6798	36.75	22.13	11.410	34.4970	S89° 03' 52.94"W
C65	2+824.41	236274.1315	4004131.8258	2+803.18	236294.5104	4004125.8615	2+826.91	236281.3460	4004111.8552	10.78	23.74	21.234	126.1758	S43° 13' 31.00"W
C66	2+850.51	236289.3615	4004089.6674	2+840.34	236285.9081	4004099.2269	2+860.44	236296.0251	4004081.9922	54.57	20.10	10.164	21.1022	S30° 24' 49.54"E
C67	2+915.49	236332.1144	4004040.4249	2+886.23	236312.9318	4004062.5193	2+939.38	236322.7925	4004012.6898	51.15	53.16	29.260	59.5426	S11° 11' 36.98"E
C68	2+990.69	236306.4479	4003964.0602	2+952.29	236318.6817	4004000.4589	3+004.41	236275.9987	4003987.4562	27.41	52.13	38.400	108.9596	S73° 03' 26.87"W
C69	3+024.78	236259.8495	4003999.8647	3+015.46	236267.2366	4003994.1887	3+033.11	236258.7039	4004009.1099	22.27	17.65	9.316	45.3991	N29° 45' 47.55"W
C70	3+060.91	236255.2850	4004036.7009	3+044.96	236257.2461	4004020.8745	3+074.26	236241.0476	4004043.8856	29.89	29.30	15.947	56.1592	N35° 08' 35.76"W
C71	3+096.19	236221.4738	4004053.7632	3+083.79	236232.5443	4004048.1767	3+108.11	236209.0748	4004053.5877	50.51	24.32	12.400	27.5884	N77° 01' 01.37"W
C72	3+121.51	236195.6748	4004053.3979	3+116.15	236201.0348	4004053.4738	3+126.87	236190.3270	4004053.0297	196.32	10.72	5.361	3.1282	S87° 37' 28.78"W
C73	3+159.85	236157.4261	4004050.7639	3+142.52	236174.7132	4004051.9544	3+174.74	236145.9047	4004063.7069	35.32	32.22	17.328	52.2650	N67° 48' 25.01"W
C74	3+206.14	236125.0241	4004087.1638	3+185.94	236138.4540	4004072.0769	3+224.36	236104.8918	4004088.7974	50.39	38.42	20.198	43.6866	N63° 31' 03.84"W
C75	3+251.20	236078.1476	4004090.9675	3+242.56	236086.7589	4004090.2688	3+258.72	236073.1741	4004098.0320	18.44	16.16	8.640	50.2154	N60° 15' 11.95"W
C76	3+271.58	236065.7705	4004108.5486	3+259.71	236072.5997	4004098.8480	3+280.82	236054.0990	4004106.4231	18.56	21.11	11.863	65.1755	N67° 44' 00.10"W
C77	3+343.66	235992.2803	4004095.1652	3+318.58	236016.9543	4004099.6586	3+364.43	235975.2975	4004113.6201	45.53	45.85	25.080	57.6997	N71° 28' 16.46"W
C78	3+401.05	235950.4949	4004140.5725	3+385.36	235961.1250	4004129.0210	3+409.39	235939.6965	4004129.1782	14.66	24.03	15.698	93.9167	N89° 34' 46.98"W
C79	3+443.68	235916.1067	4004104.2866	3+434.16	235922.6558	4004111.1971	3+452.96	235907.4135	4004100.4043	47.92	18.80	9.521	22.4729	S54° 41' 54.26"W
C80	3+492.26	235871.5265	4004084.3775	3+481.88	235881.0011	4004088.6088	3+501.72	235861.6237	4004087.4766	27.43	19.84	10.376	41.4427	S86° 39' 22.44"W

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		0	AUG. 2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S DATE: AUG, 2024	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/PIU/RRD_UCH_NR1_HCD/18
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
		c			APPROVED	AQEEL YOUNIS				




Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C81	3+524.40	235839.9807	4004094.2498	3+505.21	235858.2973	4004088.5176	3+541.13	235823.8049	4004083.9202	41.22	35.92	19.193	49.9393	S82° 24' 28.59"W
C82	3+571.99	235797.7951	4004067.3108	3+562.21	235806.0405	4004072.5761	3+581.55	235788.1933	4004065.4359	51.50	19.34	9.783	21.5130	S68° 11' 41.29"W
C83	3+598.61	235771.4500	4004062.1666	3+588.73	235781.1412	4004064.0589	3+607.96	235764.2356	4004055.4246	34.42	19.23	9.874	32.0126	S62° 56' 41.96"W
C84	3+640.21	235740.6748	4004033.4066	3+622.69	235753.4750	4004045.3686	3+655.82	235723.1794	4004034.3278	41.20	33.13	17.520	46.0757	S69° 58' 35.41"W
C85	3+676.18	235702.8480	4004035.3985	3+660.99	235718.0191	4004034.5996	3+688.09	235695.6027	4004022.0453	24.06	27.10	15.192	64.5307	S60° 44' 56.34"W
C86	3+700.18	235689.8400	4004011.4244	3+692.68	235693.4161	4004018.0152	3+707.46	235683.9053	4004006.8411	35.53	14.78	7.499	23.8377	S40° 24' 08.93"W
C87	3+765.50	235637.9652	4003971.3618	3+758.19	235643.7505	4003975.8298	3+772.81	235632.4441	4003966.5712	256.14	14.62	7.310	3.2694	S50° 41' 11.90"W
C88	3+835.30	235585.2421	4003925.6142	3+821.20	235595.8957	4003934.8583	3+844.74	235574.1920	4003934.3805	17.00	23.55	14.105	79.3737	S88° 44' 19.75"W
C89	3+867.52	235556.3479	4003948.5366	3+854.17	235566.8110	4003940.2360	3+879.22	235543.2264	4003946.0454	29.19	25.05	13.356	49.1757	N76° 09' 43.71"W
C90	3+896.86	235525.8908	4003942.7542	3+888.13	235534.4689	4003944.3828	3+905.42	235517.2613	4003944.0839	50.79	17.29	8.731	19.5102	S89° 00' 18.55"W
C91	3+946.17	235476.9923	4003950.2893	3+928.22	235494.7345	4003947.5553	3+962.65	235461.6374	4003940.9892	49.37	34.44	17.952	39.9627	S78° 46' 44.05"W
C92	3+983.26	235444.0077	4003930.3112	3+972.07	235453.5852	4003936.1121	3+994.42	235433.6751	4003925.9966	150.00	22.35	11.197	8.5382	S63° 03' 59.95"W
C93	4+035.20	235396.0457	4003910.2835	4+015.60	235414.1299	4003917.8350	4+050.08	235396.2790	4003890.6874	29.04	34.48	19.597	68.0180	S33° 19' 36.46"W
C94	4+116.69	235397.0721	4003824.0833	4+078.64	235396.6191	4003862.1266	4+123.61	235364.5299	4003843.7938	21.14	44.97	38.046	121.8852	S60° 15' 37.43"W
C95	4+159.85	235333.5385	4003862.5651	4+140.99	235349.6687	4003852.7952	4+178.56	235319.8668	4003875.5545	174.57	37.57	18.858	12.3311	N52° 37' 53.33"W
C96	4+240.80	235274.7408	4003918.4285	4+205.02	235300.6831	4003893.7809	4+273.07	235238.9571	4003918.2478	88.96	68.04	35.784	43.8233	N68° 22' 39.38"W
C97	4+331.73	235180.2960	4003917.9517	4+320.79	235191.2359	4003918.0069	4+340.63	235174.7818	4003927.4003	18.94	19.84	10.940	60.0214	N60° 16' 42.85"W
C98	4+361.56	235164.2317	4003945.4778	4+349.63	235170.2435	4003935.1767	4+370.70	235152.4031	4003943.9490	17.99	21.06	11.927	67.0965	N63° 48' 58.14"W
C99	4+439.40	235084.2667	4003935.1426	4+410.16	235113.2607	4003938.8900	4+439.41	235101.5251	4003958.7402	12.55	29.24	29.235	133.5448	N30° 35' 31.33"W
C100	4+484.03	235127.8662	4003994.7566	4+473.80	235121.8256	4003986.4973	4+494.17	235131.8553	4004004.1796	88.20	20.37	10.233	13.2353	N29° 33' 45.69"E
C101	4+598.99	235172.7185	4004100.7047	4+562.72	235158.5792	4004067.3055	4+614.49	235136.9714	4004106.8340	28.74	51.77	36.269	103.2155	N28° 39' 45.75"W
C102	4+718.77	235034.1968	4004124.4562	4+691.97	235060.6020	4004119.9286	4+744.50	235012.9620	4004140.7908	108.10	52.52	26.791	27.8392	N66° 21' 03.07"W
C103	4+773.23	234990.1863	4004158.3106	4+765.88	234996.0167	4004153.8256	4+780.54	234983.6093	4004161.6049	76.65	14.67	7.356	10.9636	N57° 54' 47.00"W
C104	4+827.24	234941.8545	4004182.5188	4+814.28	234953.4441	4004176.7139	4+839.98	234932.7185	4004191.7140	79.24	25.70	12.962	18.5800	N54° 06' 17.55"W
C105	4+862.35	234916.9516	4004207.5831	4+847.67	234927.2969	4004197.1708	4+876.17	234902.5652	4004210.4932	48.39	28.50	14.678	33.7494	N61° 41' 22.55"W
C106	4+901.30	234877.9393	4004215.4746	4+890.51	234888.5073	4004213.3369	4+911.65	234869.6155	4004222.3280	43.20	21.13	10.782	28.0305	N64° 32' 56.62"W
C107	4+957.83	234833.9612	4004251.6837	4+942.94	234845.4543	4004242.2210	4+972.24	234827.5997	4004265.1435	66.50	29.29	14.887	25.2369	N37° 54' 55.44"W
C108	4+997.26	234816.9075	4004287.7662	4+987.95	234820.8865	4004279.3474	5+006.53	234811.6214	4004295.4319	114.58	18.58	9.312	9.2919	N29° 56' 34.53"W
C109	5+025.38	234800.9207	4004310.9500	5+017.56	234805.3572	4004304.5162	5+032.99	234799.2671	4004318.5881	39.52	15.43	7.815	22.3730	N23° 24' 08.54"W
C110	5+055.07	234794.5956	4004340.1655	5+047.90	234796.1137	4004333.1534	5+062.13	234791.0330	4004346.3931	46.46	14.24	7.175	17.5568	N20° 59' 39.42"W
C111	5+077.19	234783.5582	4004359.4592	5+067.95	234788.1461	4004351.4395	5+086.35	234780.8632	4004368.2968	82.28	18.40	9.239	12.8140	N23° 21' 56.45"W
C112	5+111.98	234773.3870	4004392.8139	5+098.22	234777.4014	4004379.6495	5+123.63	234760.3356	4004397.1821	26.70	25.42	13.763	54.5365	N44° 13' 36.84"W
C113	5+148.43	234736.8201	4004405.0525	5+136.51	234748.1236	4004401.2693	5+158.95	234732.0450	4004415.9740	26.85	22.44	11.920	47.8792	N47° 33' 19.96"W
C114	5+221.31	234707.0624	4004473.1136	5+193.47	234718.2148	4004447.6061	5+230.64	234687.1440	4004453.6645	19.24	37.17	27.839	110.7011	N78° 57' 59.48"W
C115	5+265.59	234662.1424	4004429.2519	5+254.29	234670.2271	4004437.1461	5+274.42	234651.5607	4004433.2153	17.79	20.13	11.300	64.8506	S78° 06' 29.58"W
C116	5+288.26	234638.6005	4004438.0695	5+280.80	234645.5851	4004435.4534	5+294.91	234631.8676	4004434.8606	17.56	14.11	7.458	46.0157	S87° 31' 32.34"W
C117	5+308.75	234619.3717	4004428.9052	5+301.37	234626.0377	4004432.0822	5+315.77	234612.0265	4004429.6644	26.29	14.40	7.384	31.3835	S80° 12' 34.40"W
C118	5+348.67	234579.2966	4004433.0475	5+332.52	234595.3639	4004431.3867	5+361.55	234570.4057	4004419.5617	26.62	29.04	16.153	62.5054	S64° 38' 55.03"W
C119	5+388.87	234555.3719	4004396.7582	5+368.29	234566.6992	4004413.9396	5+392.99	234546.3549	4004415.2569	11.73	24.70	20.579	120.6177	N86° 17' 42.88"W
C120	5+409.70	234539.0322	4004430.2798	5+396.88	234544.6486	4004418.7574	5+419.72	234526.2155	4004430.0786	20.15	22.83	12.818	64.9129	N58° 26' 34.33"W


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 56835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024.	Tender Drawings.	G.DESIGNED	AAMIR KHAN					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S.	HORIZONTAL CURVE DATA
		a			DRAWN	IMRAN TARIQ								
		b			CHECKED	SHAHZAD DURRANI								
c			APPROVED	AOEEL YOUNIS										
								FLOOD AFFECTED ROAD	AUG, 2024.	DWG NO:CEC/KP-RRDP/HWR/RRD_UCH_NR1/HCD/C				

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C121	5+430.21	234515.7196	4004429.9138	5+422.33	234523.6018	4004430.0376	5+437.04	234510.6672	4004435.9651	16.51	14.71	7.883	51.0393	N65° 22' 46.81"W
C122	5+456.52	234498.1805	4004450.9201	5+442.57	234507.1252	4004440.2072	5+462.83	234489.3962	4004440.0753	11.48	20.26	13.956	101.1327	S89° 34' 25.16"W
C123	5+479.05	234479.1822	4004427.4652	5+469.45	234485.2280	4004434.9293	5+487.68	234469.6347	4004426.4123	23.36	18.23	9.605	44.6990	S61° 21' 24.45"W
C124	5+501.39	234456.0053	4004424.9091	5+494.97	234462.3879	4004425.6130	5+507.74	234450.0067	4004422.6175	50.08	12.77	6.421	14.6144	S76° 23' 56.72"W
C125	5+529.05	234430.1008	4004415.0129	5+518.35	234440.0923	4004418.8299	5+538.59	234420.4074	4004419.5334	25.25	20.23	10.696	45.9100	N87° 57' 11.13"W
C126	5+553.51	234406.8784	4004425.8427	5+542.89	234416.5101	4004421.3509	5+563.47	234396.4143	4004423.9863	33.64	20.59	10.628	35.0615	N82° 31' 43.89"W
C127	5+571.92	234388.0981	4004422.5110	5+565.17	234394.7459	4004423.6904	5+578.33	234381.8219	4004425.0000	23.79	13.16	6.752	31.6920	N84° 12' 49.10"W
C128	5+603.48	234358.4418	4004434.2721	5+589.23	234371.6814	4004429.0216	5+612.76	234351.2650	4004421.9697	16.57	23.53	14.243	81.3746	S70° 56' 42.20"W
C129	5+634.32	234340.4010	4004403.3466	5+620.21	234347.5128	4004415.5377	5+645.35	234326.3441	4004404.6138	22.20	25.14	14.114	64.8934	S62° 42' 16.15"W
C130	5+663.43	234308.3374	4004406.2371	5+652.96	234318.7716	4004405.2965	5+673.12	234299.5641	4004400.5111	30.18	20.17	10.477	38.2823	S76° 00' 36.19"W
C131	5+700.51	234276.6330	4004385.5447	5+691.25	234284.3877	4004390.6060	5+709.46	234271.8322	4004377.6262	40.69	18.21	9.260	25.6414	S44° 02' 53.50"W
C132	5+728.30	234262.0626	4004361.5122	5+721.31	234265.6849	4004367.4867	5+734.96	234255.9254	4004358.1728	25.88	13.65	6.987	30.2212	S46° 20' 17.06"W
C133	5+788.97	234208.4817	4004332.3579	5+777.52	234218.5403	4004337.8310	5+799.99	234197.0324	4004332.1432	46.84	22.46	11.451	27.4773	S75° 11' 14.36"W
C134	5+826.56	234170.4639	4004331.6452	5+813.92	234183.0990	4004331.8820	5+838.85	234158.9571	4004326.4207	61.17	24.92	12.637	23.3455	S77° 15' 11.65"W
C135	5+865.41	234134.7654	4004315.4369	5+848.30	234150.3510	4004322.5133	5+880.00	234119.8092	4004323.7614	33.94	31.71	17.117	53.5193	N87° 39' 35.44"W
C136	5+913.93	234090.1652	4004340.2609	5+896.56	234105.3408	4004331.8143	5+928.55	234074.5913	4004332.5736	33.10	31.99	17.368	55.3707	N88° 35' 07.91"W
C137	5+965.60	234041.3695	4004316.1754	5+951.62	234053.9037	4004322.3623	5+977.32	234039.4730	4004302.3267	26.33	25.70	13.978	55.9311	S35° 45' 48.75"W
C138	5+998.56	234036.5921	4004281.2904	5+987.85	234038.0453	4004291.9015	6+006.67	234026.1952	4004278.7191	15.79	18.82	10.710	68.3104	S41° 57' 11.37"W
C139	6+021.90	234011.4021	4004275.0604	6+017.81	234015.3727	4004276.0424	6+025.97	234007.6972	4004273.3273	41.80	8.15	4.090	11.1778	S70° 31' 10.07"W
C140	6+037.00	233997.7075	4004268.6543	6+031.71	234002.4995	4004270.8959	6+042.13	233992.4179	4004268.5705	24.72	10.42	5.290	24.1617	S77° 00' 41.12"W
C141	6+069.76	233964.7908	4004268.1328	6+054.73	233979.8195	4004268.3709	6+084.33	233951.2345	4004261.6409	68.70	29.59	15.031	24.6813	S76° 45' 05.78"W
C142	6+112.16	233926.1340	4004249.6206	6+104.54	233933.0055	4004252.9113	6+119.60	233920.9285	4004244.0574	40.49	15.06	7.619	21.3136	S53° 45' 14.87"W
C143	6+143.95	233904.2884	4004226.2738	6+131.13	233913.0491	4004235.6365	6+153.38	233892.6087	4004231.5646	17.89	22.25	12.822	71.2728	S78° 44' 01.33"W
C144	6+180.61	233867.8047	4004242.8006	6+166.96	233880.2416	4004237.1668	6+189.39	233860.5696	4004231.2217	15.60	22.43	13.654	82.3712	S73° 11' 04.27"W
C145	6+214.27	233847.3861	4004210.1228	6+202.87	233853.4281	4004219.7924	6+224.77	233836.5920	4004206.4495	32.01	21.91	11.402	39.2071	S51° 36' 08.98"W
C146	6+258.97	233804.2179	4004195.4322	6+250.38	233812.3499	4004198.1996	6+267.44	233797.2143	4004190.4586	58.93	17.06	8.590	16.5863	S62° 54' 46.36"W
C147	6+297.24	233772.9168	4004173.2039	6+287.41	233780.9365	4004178.8991	6+306.91	233763.5025	4004170.3536	60.28	19.50	9.836	18.5361	S63° 53' 15.98"W
C148	6+347.40	233724.7427	4004158.6187	6+334.61	233736.9880	4004162.3261	6+360.13	233713.3406	4004152.8149	144.32	25.52	12.794	10.1324	S68° 05' 22.61"W
C149	6+397.70	233679.8578	4004135.7718	6+388.71	233687.8736	4004139.8520	6+406.01	233676.1637	4004127.5708	25.56	17.30	8.995	38.7746	S43° 38' 09.90"W
C150	6+427.88	233667.1788	4004107.6240	6+418.13	233671.1833	4004116.5140	6+436.86	233658.4485	4004103.2824	27.30	18.73	9.750	39.3099	S43° 54' 13.43"W
C151	6+465.24	233633.0425	4004090.6479	6+454.86	233642.3356	4004095.2694	6+475.10	233622.6986	4004091.4996	37.24	20.24	10.379	31.1486	S79° 07' 58.68"W
C152	6+508.38	233589.5272	4004094.2310	6+495.42	233602.4473	4004093.1671	6+519.51	233580.8022	4004084.6427	26.34	24.09	12.964	52.4062	S68° 30' 14.86"W
C153	6+628.14	233507.6968	4004004.3038	6+616.18	233515.7459	4004013.1492	6+639.46	233496.1623	4004001.1438	41.19	23.28	11.959	32.3782	S58° 29' 24.32"W
C154	6+668.74	233467.9172	4003993.4057	6+645.38	233490.4464	4003999.5778	6+690.06	233455.0774	4003973.8917	61.92	14.67	23.359	41.3351	S54° 00' 41.88"W
C155	6+704.79	233446.9792	4003961.5841	6+692.58	233453.6901	4003971.7833	6+716.10	233435.4136	4003957.6728	35.49	23.52	12.209	37.9713	S52° 19' 47.13"W
C156	6+731.72	233420.6124	4003952.6673	6+719.09	233432.5769	4003956.7135	6+742.71	233416.0810	4003940.8781	26.91	23.62	12.630	50.2900	S46° 10' 13.45"W
C157	6+756.78	233411.0331	4003927.7454	6+744.56	233415.4180	4003939.1534	6+766.31	233398.8383	4003926.9353	19.12	21.75	12.222	65.1739	S53° 36' 44.38"W
C158	6+802.38	233362.8487	4003924.5444	6+782.78	233382.4011	4003925.8433	6+821.28	233345.9085	4003914.6949	83.63	38.50	19.595	26.3741	S73° 00' 44.08"W
C159	6+836.58	233332.6840	4003907.0059	6+829.01	233339.2216	4003910.8070	6+843.79	233325.1217	4003907.0078	28.04	14.77	7.562	30.1895	S74° 55' 11.82"W
C160	6+870.89	233298.0164	4003907.0148	6+849.09	233319.8206	4003907.0092	6+888.79	233286.7353	4003888.3557	38.65	39.70	21.804	58.8580	S60° 35' 08.44"W

Project Director (PIU)
Provincial Roads Improvement Project
CRW Department, Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58836 P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		a	AUG. 2024	Funder Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	IMRAN TARIO				DATE:	
		c			CHECKED	SHAHZAD DURRANI				AUG. 2024	
					APPROVED	AGEEL YOUNIS				DWG NO.CEC/KP-RRDP/PIU/RRD_UCH_NR1_HCD/D	

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C161	6+905.13	233278.2816	4003874.3731	6+893.76	233284.1671	4003884.1078	6+916.00	233268.3567	4003868.8145	43.07	22.24	11.376	29.5917	S45° 57' 09.01"W
C162	6+993.67	233200.5872	4003830.8592	6+983.26	233209.6687	4003835.9455	7+003.71	233194.7422	4003822.2464	44.06	20.44	10.409	26.5862	S47° 27' 18.94"W
C163	7+015.99	233187.8451	4003812.0831	7+009.52	233191.4762	4003817.4338	7+022.23	233182.2369	4003808.8641	28.03	12.71	6.466	25.9828	S47° 09' 12.91"W
C164	7+033.29	233172.6487	4003803.3607	7+027.09	233178.0248	4003806.4465	7+039.44	233168.0706	4003799.1813	56.43	12.35	6.199	12.5381	S53° 52' 33.42"W
C165	7+068.60	233146.5336	4003779.5201	7+054.81	233156.7202	4003788.8196	7+081.43	233132.8023	4003778.2158	41.26	26.62	13.793	36.9668	S66° 05' 25.15"W
C166	7+107.89	233106.4595	4003775.7134	7+099.27	233115.0390	4003776.5284	7+116.36	233098.5899	4003772.2001	52.54	17.08	8.618	18.6322	S75° 15' 27.51"W
C167	7+153.67	233064.5150	4003756.9873	7+139.16	233077.7676	4003762.9039	7+166.44	233051.2958	4003762.9783	32.26	27.28	14.513	48.4389	N89° 50' 20.28"W
C168	7+195.47	233024.8510	4003774.9634	7+187.85	233031.7950	4003771.8163	7+203.07	233017.5544	4003777.1733	115.85	15.23	7.624	7.5305	N69° 23' 05.13"W
C169	7+240.47	232981.7659	4003788.0126	7+229.00	232992.7392	4003784.6891	7+251.73	232972.4106	4003794.6411	70.52	22.73	11.466	18.4686	N63° 54' 56.52"W
C170	7+276.29	232952.3715	4003808.8393	7+266.65	232960.2364	4003803.2668	7+285.86	232943.5363	4003812.6930	93.65	19.21	9.639	11.7531	N60° 33' 28.48"W
C171	7+309.21	232922.1360	4003822.0272	7+302.77	232928.0380	4003819.4530	7+315.37	232918.2353	4003827.1501	24.77	12.60	6.439	29.1471	N51° 51' 39.29"W
C172	7+327.34	232910.9863	4003836.6701	7+321.75	232914.3682	4003832.2286	7+332.83	232906.4159	4003839.8756	35.92	11.08	5.582	17.6676	N46° 07' 16.32"W
C173	7+351.53	232891.1081	4003850.6122	7+341.11	232899.6409	4003844.6275	7+361.86	232881.4413	4003854.5079	90.80	20.75	10.422	13.0956	N61° 30' 10.11"W
C174	7+371.70	232872.3139	4003858.1862	7+364.62	232878.8821	4003855.5392	7+378.72	232866.5064	4003862.2384	62.37	14.10	7.082	12.9563	N61° 34' 20.87"W
C175	7+413.20	232838.2272	4003881.9704	7+405.42	232844.6099	4003877.5169	7+420.89	232830.8666	4003884.4990	55.56	15.47	7.783	15.9469	N63° 04' 04.06"W
C176	7+455.82	232797.8240	4003895.8499	7+436.42	232816.1799	4003889.5442	7+474.30	232785.2826	4003910.6625	70.49	37.88	19.409	30.7878	N55° 38' 50.46"W
C177	7+501.10	232767.9648	4003931.1166	7+483.12	232779.5821	4003917.3954	7+517.94	232766.3407	4003949.0217	56.90	34.83	17.979	35.0704	N22° 43' 05.62"W
C178	7+545.56	232763.8463	4003976.5203	7+534.41	232764.8536	4003965.4161	7+555.67	232755.5925	4003984.0166	28.62	21.26	11.150	42.5706	N26° 28' 05.97"W
C179	7+578.67	232738.5697	4003999.4771	7+571.23	232744.0720	4003994.4798	7+586.01	232734.6255	4004005.7773	53.89	14.77	7.433	15.7050	N39° 54' 04.06"W
C180	7+595.21	232729.7403	4004013.5805	7+588.42	232733.3456	4004007.8216	7+601.71	232723.7901	4004016.8605	26.19	13.30	6.794	29.0856	N46° 35' 29.19"W
C181	7+616.36	232710.9663	4004023.9296	7+610.12	232716.4270	4004020.9194	7+622.34	232707.5588	4004029.1517	25.00	12.22	6.235	28.0098	N47° 07' 45.68"W
C182	7+652.08	232691.3083	4004054.0568	7+640.27	232697.7604	4004044.1685	7+662.90	232679.9901	4004057.4191	32.15	22.63	11.807	40.3303	N53° 17' 22.63"W
C183	7+686.54	232657.3329	4004064.1499	7+675.67	232667.7499	4004061.0553	7+696.87	232650.0197	4004072.1877	38.98	21.20	10.867	31.1570	N57° 52' 34.62"W
C184	7+718.82	232635.2471	4004088.4238	7+710.92	232640.5664	4004082.5775	7+726.07	232627.4130	4004089.4730	21.67	15.16	7.904	40.0736	N62° 20' 04.51"W
C185	7+738.86	232614.7395	4004091.1705	7+733.66	232619.8971	4004090.4797	7+743.87	232610.4598	4004094.1306	21.64	10.21	5.204	27.0418	N68° 51' 01.81"W
C186	7+753.83	232602.2698	4004099.7954	7+750.88	232604.6953	4004098.1177	7+756.77	232599.7024	4004101.2469	65.10	5.89	2.949	5.1875	N57° 55' 24.05"W
C187	7+791.48	232569.4884	4004118.3293	7+784.35	232575.7011	4004114.8167	7+798.58	232562.7163	4004120.5822	73.57	14.23	7.137	11.0821	N66° 03' 29.31"W
C188	7+816.10	232546.0831	4004126.1156	7+809.54	232552.3088	4004124.0445	7+822.56	232540.8088	4004130.0183	41.20	13.01	6.561	18.0985	N62° 32' 59.87"W
C189	7+836.29	232529.7678	4004138.1879	7+830.21	232534.6574	4004134.5699	7+841.76	232523.7405	4004137.3698	14.97	11.56	6.083	44.2287	N75° 36' 54.32"W
C190	7+860.03	232505.6445	4004134.9137	7+854.26	232511.3577	4004135.6892	7+865.71	232499.9567	4004135.8582	38.22	11.44	5.766	17.1579	N89° 09' 01.84"W
C191	7+878.37	232487.4597	4004137.9334	7+876.01	232489.7941	4004137.5458	7+880.73	232485.0935	4004137.9636	31.12	4.72	2.366	8.6982	N84° 55' 14.49"W
C192	7+907.22	232458.6066	4004138.3012	7+890.68	232475.1413	4004138.0904	7+919.77	232452.6183	4004153.7149	24.50	29.09	16.536	68.0383	N55° 15' 02.40"W
C193	7+929.95	232448.9322	4004163.2027	7+921.38	232452.0388	4004155.2063	7+937.54	232440.9402	4004166.3207	19.52	16.17	8.579	47.4558	N44° 57' 33.90"W
C194	7+953.60	232425.9809	4004172.1569	7+942.98	232435.8741	4004168.2971	7+959.43	232430.2063	4004181.8995	10.23	16.45	10.619	92.1338	N22° 37' 13.46"W
C195	7+982.45	232439.3669	4004203.0213	7+968.18	232433.6881	4004189.9275	7+994.70	232432.4430	4004215.5015	28.96	26.52	14.272	52.4673	N2° 47' 13.73"W
C196	8+028.67	232415.9651	4004245.2031	8+009.95	232425.0456	4004228.8354	8+030.67	232434.5075	4004242.6461	9.36	20.72	18.718	126.8725	N34° 24' 55.70"E
C197	8+072.17	232475.6120	4004236.9776	8+061.30	232464.8476	4004238.4621	8+082.78	232485.0996	4004231.6803	57.72	21.48	10.866	21.3246	S71° 29' 09.43"E
C198	8+110.34	232509.1629	4004218.2448	8+097.31	232497.7877	4004224.5960	8+122.95	232522.1598	4004217.3422	58.28	25.63	13.028	25.2038	S73° 25' 31.94"E
C199	8+156.89	232556.0233	4004214.9906	8+147.60	232546.7565	4004215.6341	8+166.00	232564.5325	4004211.2649	53.57	18.40	9.289	19.6729	S76° 11' 27.57"E
C200	8+217.00	232611.2498	4004190.8105	8+182.41	232579.5651	4004204.6831	8+195.70	232584.3167	4004212.5124	4.62	13.29	34.589	164.7845	N31° 15' 11.44"E

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:
		a	AUG. 2024.	Tender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	HORIZONTAL CURVE DATA DWG NO: CEC/KP-RRDP/PIU/RRD_UCH_NR1_HCD/E
		b			DRAWN	IMRAN TARIO			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG. 2024.	
			APPROVED	AQEEL YOUNIS						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C201	8+246.80	232544.5205	4004244.5791	8+240.39	232549.5189	4004240.5515	8+253.21	232539.9274	4004249.0634	134.81	12.83	6.419	5.4523	N48° 24' 46.57"W
C202	8+312.48	232497.5178	4004290.4682	8+295.22	232509.8680	4004278.4107	8+329.47	232482.1024	4004298.2319	111.61	34.25	17.260	17.5820	N54° 28' 40.10"W
C203	8+356.86	232457.6459	4004310.5489	8+338.86	232473.7201	4004302.4535	8+373.55	232449.8721	4004326.7812	52.75	34.69	17.998	37.6787	N44° 25' 46.14"W
C204	8+418.55	232430.4347	4004367.3682	8+411.37	232433.5333	4004360.8980	8+425.68	232428.5916	4004374.3012	76.58	14.31	7.174	10.7031	N20° 14' 18.92"W
C205	8+444.51	232423.7545	4004392.4972	8+436.80	232425.7352	4004385.0464	8+451.99	232418.9015	4004398.4877	36.08	15.19	7.710	24.1238	N26° 56' 56.25"W
C206	8+462.06	232412.5624	4004406.3128	8+455.21	232416.8740	4004400.9906	8+468.55	232411.7511	4004413.1140	23.72	13.34	6.849	32.2078	N22° 54' 25.19"W
C207	8+504.84	232407.4519	4004449.1518	8+495.04	232408.6124	4004439.4237	8+513.97	232400.7497	4004456.2976	29.83	18.93	9.797	36.3617	N24° 59' 02.19"W
C208	8+537.69	232384.5288	4004473.5924	8+530.93	232389.1518	4004468.6633	8+544.41	232379.1329	4004477.6608	78.67	13.48	6.758	9.8198	N48° 04' 28.85"W
C209	8+579.28	232351.2889	4004498.6545	8+574.69	232354.9567	4004495.8891	8+583.87	232347.4565	4004501.1871	147.95	9.18	4.594	3.5567	N54° 45' 46.56"W
C210	8+612.59	232323.4947	4004517.0223	8+607.74	232327.5452	4004514.3455	8+617.11	232321.8736	4004521.5987	14.50	9.37	4.855	37.0357	N38° 01' 24.35"W
C211	8+648.57	232311.3671	4004551.2589	8+637.51	232315.0611	4004540.8306	8+653.55	232301.8667	4004545.5901	9.07	16.04	11.063	101.3184	N70° 09' 53.29"W
C212	8+675.75	232282.8004	4004534.2134	8+667.26	232290.0888	4004538.5623	8+683.83	232274.3131	4004534.1846	30.99	16.57	8.487	30.6291	S74° 29' 25.91"W
C213	8+713.22	232244.9222	4004534.0846	8+701.79	232256.3543	4004534.1235	8+721.21	232242.0893	4004545.1602	14.67	19.42	11.432	75.8476	N52° 16' 16.07"W
C214	8+732.98	232239.1747	4004556.5552	8+725.67	232240.9858	4004549.4743	8+740.22	232235.7730	4004563.0241	62.26	14.55	7.309	13.3906	N21° 02' 33.56"W
C215	8+751.78	232230.3933	4004573.2544	8+747.03	232232.6030	4004569.0524	8+756.38	232230.1318	4004577.9948	21.79	9.35	4.748	24.5800	N15° 26' 52.64"W
C216	8+768.02	232229.4906	4004589.6161	8+762.47	232229.7959	4004584.0822	8+773.45	232227.3412	4004594.7248	31.99	10.98	5.542	19.6603	N12° 59' 17.04"W
C217	8+783.41	232223.4790	4004603.9044	8+775.73	232226.4567	4004596.8270	8+790.94	232223.0167	4004611.5687	45.00	15.21	7.678	19.3660	N13° 08' 06.73"W
C218	8+828.74	232220.7405	4004649.3004	8+824.69	232220.9845	4004645.2550	8+832.74	232221.6125	4004653.2582	29.06	8.05	4.053	15.8780	N4° 29' 12.40"E
C219	8+843.19	232223.8615	4004663.4653	8+838.22	232222.7917	4004658.6100	8+847.74	232221.5006	4004667.8407	13.38	9.52	4.972	40.7759	N7° 57' 43.87"W
C220	8+863.28	232214.1244	4004681.5113	8+859.18	232216.0683	4004677.9086	8+867.28	232213.5442	4004685.5636	22.98	8.10	4.094	20.2024	N18° 14' 56.25"W
C221	8+901.82	232208.6502	4004719.7463	8+896.41	232209.4159	4004714.3978	8+907.09	232209.9100	4004725.0004	28.28	10.68	5.403	21.6311	N2° 40' 04.00"E
C222	8+916.29	232212.0544	4004733.9441	8+909.42	232210.4536	4004727.2676	8+923.00	232211.1851	4004740.7546	37.49	13.58	6.866	20.7574	N3° 06' 16.61"E
C223	8+936.96	232209.4181	4004754.5975	8+925.78	232210.8334	4004743.5095	8+947.95	232211.4729	4004765.5850	71.11	22.17	11.178	17.8665	N1° 39' 32.98"E
C224	8+962.57	232214.1590	4004779.9486	8+952.61	232212.3282	4004770.1586	8+970.40	232206.1449	4004785.8622	15.89	17.79	9.960	64.1687	N21° 29' 30.85"W
C225	9+008.08	232175.8294	4004808.2321	8+997.90	232184.0158	4004802.1913	9+017.91	232171.0766	4004817.2277	44.55	20.00	10.174	25.7269	N40° 42' 45.94"W
C226	9+032.54	232164.2402	4004830.1672	9+025.24	232167.6494	4004823.7146	9+038.66	232156.9865	4004830.9693	13.77	13.42	7.298	55.8411	N55° 46' 11.46"W
C227	9+063.55	232132.2515	4004833.7043	9+056.98	232138.7828	4004832.9821	9+069.65	232127.5106	4004838.2544	19.35	12.67	6.571	37.5147	N64° 55' 59.10"W
C228	9+087.59	232114.5643	4004850.6800	9+078.37	232121.2159	4004844.2959	9+096.66	232110.2463	4004858.8259	57.41	18.28	9.220	18.2481	N37° 03' 06.05"W
C229	9+126.65	232096.1974	4004885.3288	9+118.70	232099.9220	4004878.3023	9+133.67	232088.4874	4004887.2782	17.91	14.97	7.953	47.8824	N51° 52' 07.73"W
C230	9+147.42	232075.1538	4004890.6497	9+144.31	232078.1738	4004889.8861	9+150.42	232072.7980	4004892.6877	13.14	6.12	3.115	26.6721	N62° 28' 26.36"W
C231	9+174.39	232054.6736	4004908.3665	9+167.30	232060.0330	4004903.7302	9+180.49	232055.0389	4004915.4436	14.50	13.18	7.087	52.0932	N23° 05' 28.94"W
C232	9+192.59	232055.6628	4004927.5297	9+188.26	232055.4396	4004923.2055	9+196.83	232054.4188	4004931.6771	25.00	8.57	4.330	19.6521	N6° 52' 14.95"W
C233	9+214.23	232049.4196	4004948.3437	9+209.33	232050.8280	4004943.6484	9+219.06	232049.4941	4004953.2452	31.72	9.73	4.902	17.5684	N7° 54' 45.55"W
C234	9+230.99	232049.6757	4004965.1770	9+224.88	232049.5828	4004959.0703	9+237.05	232048.4988	4004971.1700	58.20	12.17	6.107	11.9815	N5° 07' 09.15"W
C235	9+261.30	232043.8261	4004994.9652	9+248.32	232046.3275	4004982.2270	9+274.25	232042.9110	4005007.9143	210.20	25.93	12.981	7.0678	N7° 34' 33.87"W
C236	9+303.28	232040.8646	4005036.8728	9+294.50	232041.4835	4005028.1152	9+310.30	232032.8246	4005040.3996	14.53	15.80	8.779	62.2732	N35° 10' 43.63"W
C237	9+334.15	232010.9868	4005049.9787	9+328.77	232015.9136	4005047.8176	9+339.47	232006.7083	4005053.2404	45.00	10.71	5.380	13.6352	N59° 29' 52.05"W
C238	9+363.29	231987.7690	4005067.6786	9+355.99	231993.5733	4005063.2537	9+369.59	231980.6908	4005065.8985	15.15	13.60	7.299	51.4362	N78° 23' 53.81"W
C239	9+412.37	231939.2095	4005055.4665	9+402.04	231949.2211	4005057.9843	9+421.90	231929.8288	4005059.7763	29.32	19.85	10.323	38.7916	N84° 43' 14.02"W
C240	9+437.49	231915.6552	4005066.2880	9+428.55	231923.7796	4005062.5554	9+444.46	231908.8672	4005060.4690	13.96	15.90	8.941	65.2796	S82° 02' 07.57"W

[Handwritten Signature]
Project Director (PIU)
 Regional Office - Islamabad
 Environment Project

[Handwritten Signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. S8635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	Tender Drawings.	G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	FLOOD AFFECTED ROAD	N.T.S DATE: AUG. 2024	HORIZONTAL CURVE DATA DWG NO. CEC/RP-RRDP/RRRD_UCH_NR1_HCD/F
		a			DRAWN	IMRAN TARIQ					
		b			CHECKED	SHAHZAD DURRANI					
		c			APPROVED	AGEEL YOUNIS					


Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C241	9+464.00	231894.0315	4005047.7514	9+455.94	231900.1463	4005052.9932	9+471.97	231889.3831	4005041.1742	64.92	16.03	8.054	14.1450	S42° 19' 23.14"W
C242	9+504.24	231870.7594	4005014.8228	9+485.03	231881.8433	4005030.5058	9+517.47	231852.9901	4005022.1070	24.13	32.44	19.204	77.0395	S73° 46' 13.15"W
C243	9+533.38	231838.2728	4005028.1400	9+518.52	231852.0260	4005022.5022	9+547.70	231823.4544	4005026.9775	62.45	29.18	14.864	26.7756	N81° 05' 51.76"W
C244	9+564.00	231807.2090	4005025.7031	9+551.00	231820.1691	4005026.7198	9+575.72	231797.1428	4005033.9293	32.39	24.72	13.000	43.7416	N72° 36' 52.88"W
C245	9+591.37	231785.0219	4005043.8347	9+583.03	231791.4798	4005038.5572	9+598.84	231784.2240	4005052.1364	20.01	15.80	8.340	45.2539	N28° 07' 00.91"W
C246	9+630.88	231781.1582	4005084.0348	9+623.34	231781.8799	4005076.5259	9+637.49	231775.0083	4005088.4035	16.51	14.15	7.544	49.1212	N30° 03' 01.92"W
C247	9+746.31	231686.2929	4005151.4244	9+734.59	231695.8532	4005144.6330	9+755.08	231689.3202	4005162.7539	16.88	20.50	11.727	69.5714	N19° 49' 31.42"W
C248	9+769.15	231692.9508	4005176.3411	9+759.59	231690.4829	4005167.1053	9+774.36	231683.6142	4005178.3951	9.14	14.77	9.560	92.5538	N31° 18' 59.64"W
C249	9+792.29	231666.0992	4005182.2481	9+782.39	231675.7649	4005180.1218	9+801.25	231660.4755	4005190.3917	25.15	18.86	9.897	42.9658	N56° 06' 38.07"W
C250	9+827.66	231645.4685	4005212.1232	9+814.63	231652.8714	4005201.4031	9+840.03	231644.7798	4005225.1328	46.04	25.39	13.028	31.5977	N18° 49' 43.92"W
C251	9+882.99	231642.5086	4005268.0405	9+874.37	231642.9642	4005259.4338	9+891.12	231637.3908	4005274.9753	28.73	16.75	8.619	33.3966	N19° 43' 41.93"W
C252	9+903.99	231629.7498	4005285.3292	9+898.62	231632.9381	4005281.0089	9+909.32	231627.5033	4005290.2061	52.43	10.70	5.369	11.6936	N30° 34' 47.28"W
C253	9+971.62	231601.4360	4005346.7946	9+955.48	231608.1902	4005332.1321	9+977.37	231589.7900	4005335.6152	11.49	21.89	16.143	109.0957	N79° 16' 51.18"W
C254	9+997.81	231575.0447	4005321.4608	9+986.19	231583.4290	4005329.5091	10+004.23	231567.2628	4005330.0930	11.26	18.05	11.622	91.7941	N87° 55' 54.16"W
C255	10+012.73	231561.5726	4005336.4049	10+009.56	231563.6943	4005334.0514	10+015.86	231558.9155	4005338.1312	24.14	6.30	3.169	14.9549	N49° 30' 43.62"W
C256	10+025.14	231551.1327	4005343.1874	10+020.14	231555.3246	4005340.4640	10+030.01	231548.3103	4005347.3133	25.00	9.87	4.999	22.6149	N45° 40' 55.70"W
C257	10+058.18	231532.4046	4005370.5650	10+032.20	231547.0740	4005349.1206	10+063.27	231521.5518	4005346.9584	14.72	31.07	25.982	120.9354	S85° 09' 27.26"W
C258	10+107.76	231502.9661	4005306.5314	10+086.26	231511.9479	4005326.0682	10+118.71	231484.4688	4005317.4954	19.37	32.45	21.503	95.9668	S72° 40' 23.78"W
C259	10+134.91	231470.5341	4005325.7550	10+129.08	231475.5434	4005322.7858	10+139.86	231469.9719	4005331.5509	11.48	10.78	5.823	53.8029	N32° 26' 30.70"W
C260	10+148.82	231469.1068	4005340.4701	10+143.93	231469.5789	4005335.6029	10+153.50	231466.3110	4005344.4822	18.69	9.57	4.890	29.3298	N20° 12' 19.16"W
C261	10+172.19	231455.6243	4005359.8182	10+162.89	231460.9425	4005352.1863	10+180.17	231458.4351	4005368.6855	18.88	17.29	9.302	52.4583	N8° 38' 27.94"W
C262	10+186.29	231460.2843	4005374.5192	10+180.63	231458.5715	4005369.1157	10+190.57	231455.8680	4005378.0725	8.28	9.94	5.668	68.7682	N16° 47' 45.74"W
C263	10+218.95	231433.7560	4005395.8636	10+213.08	231438.3310	4005392.1826	10+224.62	231431.2637	4005401.1805	25.37	11.54	5.872	26.0649	N38° 08' 51.87"W
C264	10+286.34	231405.0655	4005457.0688	10+281.78	231407.0035	4005452.9346	10+290.77	231401.6134	4005460.0570	21.48	9.00	4.566	24.0043	N37° 07' 02.62"W
C265	10+296.10	231397.5875	4005463.5420	10+294.03	231399.1519	4005462.1878	10+298.14	231396.4316	4005465.2581	15.55	4.11	2.069	15.1560	N41° 32' 29.55"W
C266	10+315.69	231386.6303	4005479.8090	10+314.13	231387.4979	4005478.5210	10+317.23	231385.9720	4005481.2155	20.00	3.10	1.553	8.8799	N29° 31' 25.03"W
C267	10+321.17	231384.3054	4005484.7759	10+318.21	231385.5569	4005482.1022	10+324.07	231382.2956	4005486.9383	18.83	5.86	2.952	17.8223	N33° 59' 41.39"W
C268	10+337.18	231373.3730	4005496.5380	10+328.87	231379.0288	4005490.4530	10+344.66	231373.5139	4005504.8443	20.63	15.79	8.307	43.8774	N20° 58' 02.10"W
C269	10+361.65	231373.8018	4005521.8250	10+353.57	231373.6649	4005513.7478	10+368.05	231366.6464	4005525.5746	13.10	14.48	8.078	63.3159	N30° 41' 11.29"W
C270	10+395.72	231342.1366	4005538.4184	10+389.53	231347.6153	4005535.5474	10+400.87	231336.7324	4005535.4095	11.45	11.34	6.185	56.7633	S89° 16' 26.27"W
C271	10+408.61	231329.9692	4005531.6439	10+403.75	231334.2165	4005534.0087	10+413.36	231325.1453	4005531.0431	25.00	9.60	4.861	22.0075	S71° 53' 45.90"W
C272	10+440.87	231297.8376	4005527.6416	10+432.77	231305.8813	4005528.6436	10+448.61	231291.3798	4005522.7426	30.16	15.84	8.106	30.0848	S67° 51' 26.79"W
C273	10+472.22	231272.5629	4005508.4678	10+464.01	231279.1063	4005513.4315	10+478.34	231265.6646	4005512.9250	11.72	14.33	8.213	70.0540	S87° 50' 31.41"W
C274	10+504.23	231243.9151	4005526.9788	10+484.88	231260.1727	4005516.4737	10+522.74	231224.5969	4005528.1940	74.13	37.87	19.356	29.2696	N71° 45' 56.57"W
C275	10+591.96	231155.5179	4005532.5395	10+586.76	231160.7104	4005532.2129	10+597.16	231150.3396	4005533.0438	303.72	10.40	5.203	1.9628	N85° 25' 08.68"W
C276	10+641.27	231106.4402	4005537.3190	10+632.01	231115.6575	4005536.4214	10+649.46	231100.8668	4005544.7152	21.08	17.45	9.261	47.4378	N60° 43' 07.56"W
C277	10+664.94	231091.5527	4005557.0755	10+656.91	231096.3822	4005550.6665	10+672.79	231084.7986	4005561.4091	44.79	15.88	8.025	20.3145	N47° 09' 25.61"W
C278	10+684.93	231074.5819	4005567.9645	10+676.15	231081.9726	4005563.2224	10+693.70	231067.6791	4005573.3926	183.00	17.55	8.781	5.4945	N54° 34' 01.62"W
C279	10+738.16	231032.7336	4005600.8724	10+727.03	231041.4828	4005593.9924	10+749.25	231023.1690	4005606.5647	171.62	22.23	11.130	7.4213	N55° 31' 49.82"W
C280	10+774.45	231001.5141	4005619.4526	10+769.42	231005.8436	4005616.8759	10+779.46	230997.7704	4005622.8244	51.15	10.04	5.038	11.2500	N53° 36' 58.02"W


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar





CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:  MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		0	AUG, 2024	Fender Drawings	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO:CEC/RP-RRDP/HR/RRD_UCH_NR1_HCD/G
		a			DRAWN	IMRAN TARIQ					
		b			CHECKED	SHAHZAD DURRANI					
c			APPROVED	AGEEL YOUNIS							
										AUG, 2024	

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C281	10+794.49	230986.6047	4005632.8813	10+788.71	230990.8988	4005629.0136	10+798.05	230982.3968	4005628.9199	6.28	9.34	5.779	85.2806	S89° 22' 06.93"W
C282	10+827.87	230960.6833	4005608.4784	10+821.02	230965.6698	4005613.1727	10+832.32	230955.3118	4005612.7268	7.93	11.30	6.848	81.6129	S87° 32' 05.09"W
C283	10+850.94	230940.7094	4005624.2761	10+845.98	230944.6028	4005621.1968	10+855.90	230936.7159	4005627.2243	298.64	9.93	4.964	1.9045	N52° 36' 39.74"W
C284	10+918.41	230886.4275	4005664.3499	10+911.41	230892.0563	4005660.1944	10+925.36	230880.0980	4005667.3316	71.27	13.95	6.997	11.2131	N59° 10' 11.38"W
C285	10+962.08	230846.8854	4005682.9769	10+959.40	230849.3046	4005681.8373	10+964.74	230844.6572	4005684.4554	36.67	5.34	2.674	8.3408	N60° 36' 21.53"W
C286	11+015.48	230802.3734	4005712.5108	10+981.74	230830.4924	4005693.8538	10+993.15	230825.4638	4005687.9020	3.92	11.41	33.745	166.7410	S40° 11' 38.02"W
C287	11+003.72	230832.6956	4005680.1945	10+997.32	230828.3166	4005684.8615	11+006.99	230827.6074	4005676.3130	5.78	9.67	6.400	95.8386	S4° 44' 33.61"W
C288	11+022.48	230815.2938	4005666.9196	11+017.68	230819.1099	4005669.8307	11+027.15	230812.8768	4005662.7729	24.21	9.48	4.800	22.4250	S41° 26' 58.13"W
C289	11+048.33	230802.2137	4005644.4792	11+042.78	230805.0073	4005649.2719	11+052.61	230805.4683	4005639.9868	8.52	9.83	5.547	66.1590	S2° 50' 33.00"E
C290	11+066.99	230813.9043	4005628.3423	11+066.99	230813.9040	4005628.3427	11+066.99	230813.9045	4005628.3420	3.37	0.00	0.000	0.0154	S35° 55' 46.97"E
C291	11+094.46	230830.0260	4005606.1016	11+067.36	230814.1185	4005628.0468	11+080.33	230807.7409	4005621.5292	4.63	12.97	27.104	160.6316	S44° 22' 42.09"W
C292	11+094.67	230795.9499	4005629.6919	11+084.46	230804.3379	4005623.8851	11+104.57	230785.9276	4005631.5977	48.15	20.11	10.202	23.9274	N67° 16' 10.41"W
C293	11+114.34	230776.3296	4005633.4229	11+108.44	230782.1212	4005632.3216	11+120.16	230771.0418	4005636.0294	43.40	11.72	5.895	15.4728	N71° 29' 48.72"W
C294	11+167.47	230728.6104	4005656.9445	11+157.57	230737.4867	4005652.5692	11+177.17	230721.7142	4005664.0420	57.34	19.60	9.896	19.5842	N53° 58' 06.12"W
C295	11+225.28	230688.1894	4005698.5448	11+217.44	230693.6514	4005692.9235	11+233.11	230683.1841	4005704.5764	200.00	15.67	7.838	4.4885	N41° 55' 55.28"W
C296	11+267.18	230661.4249	4005730.7968	11+258.72	230666.8270	4005724.2871	11+275.57	230654.6893	4005735.9144	73.76	16.84	8.459	13.0857	N46° 13' 50.28"W
C297	11+303.78	230632.2285	4005752.9794	11+294.51	230639.6061	4005747.3741	11+313.00	230625.9050	4005759.7516	108.79	18.49	9.265	9.7360	N47° 54' 19.77"W
C298	11+343.28	230605.2416	4005781.8814	11+338.33	230608.6141	4005778.2695	11+348.22	230602.0258	4005785.6334	232.23	9.88	4.942	2.4380	N41° 49' 06.53"W
C299	11+397.27	230570.1042	4005822.8776	11+390.62	230574.4315	4005817.8288	11+403.88	230566.7514	4005828.6200	73.64	13.26	6.650	10.3197	N35° 26' 22.70"W
C300	11+418.19	230559.5346	4005840.9799	11+410.32	230563.5048	4005834.1803	11+425.96	230553.7944	4005846.3694	54.22	15.64	7.874	16.5256	N38° 32' 33.34"W
C301	11+445.54	230539.5169	4005859.7743	11+437.55	230545.3443	4005854.3030	11+453.37	230532.1684	4005862.9194	45.28	15.82	7.993	20.0242	N56° 49' 02.92"W
C302	11+479.94	230507.7393	4005873.3748	11+467.70	230518.9943	4005868.5577	11+491.62	230500.4405	4005883.2036	45.32	23.91	12.242	30.2323	N51° 42' 48.39"W
C303	11+536.12	230473.9061	4005918.9357	11+530.49	230477.2637	4005914.4142	11+541.72	230469.7332	4005922.7177	57.36	11.23	5.632	11.2159	N42° 12' 18.87"W
C304	11+560.39	230455.8999	4005935.2551	11+553.17	230461.2504	4005930.4059	11+567.48	230452.3622	4005941.5502	44.39	14.32	7.221	18.4774	N38° 34' 28.14"W
C305	11+610.06	230431.5042	4005978.6643	11+600.65	230436.1129	4005970.4636	11+619.32	230424.6725	4005985.1310	62.07	18.67	9.407	17.2362	N37° 57' 14.07"W
C306	11+646.64	230404.8359	4006003.9079	11+637.18	230411.7059	4005997.4049	11+655.91	230396.1715	4006007.7046	54.30	18.73	9.460	19.7652	N56° 27' 16.75"W
C307	11+670.22	230383.0612	4006013.4495	11+664.38	230388.4080	4006011.1065	11+675.85	230379.3048	4006017.9181	25.00	11.47	5.838	26.2868	N53° 11' 37.92"W
C308	11+690.22	230370.0642	4006028.9110	11+685.30	230373.2283	4006025.1468	11+695.01	230365.7101	4006031.1963	25.00	9.71	4.917	22.2556	N51° 10' 41.76"W
C309	11+714.09	230348.8193	4006040.0619	11+706.52	230355.5193	4006036.5453	11+720.73	230347.0253	4006047.4130	16.76	14.22	7.567	48.5913	N38° 00' 37.49"W
C310	11+755.75	230338.7230	4006081.4325	11+730.73	230344.6552	4006057.1247	11+744.36	230334.9470	4006056.6979	4.95	13.62	25.021	157.6055	S87° 28' 57.00"W
C311	11+757.70	230332.9334	4006043.5082	11+751.96	230333.7988	4006049.1766	11+763.42	230331.3673	4006037.9921	91.52	11.45	5.734	7.1706	S12° 15' 54.14"W
C312	11+790.01	230324.1050	4006012.4134	11+780.05	230326.8238	4006021.9894	11+798.95	230328.8828	4006003.6806	24.31	18.90	9.954	44.5338	S6° 24' 59.75"E
C313	11+822.76	230340.3112	4005982.7919	11+807.55	230333.0111	4005996.1349	11+819.30	230326.8417	4005989.8556	4.60	11.75	15.209	146.3570	S44° 29' 41.87"W
C314	11+838.21	230310.0868	4005998.6423	11+827.51	230319.5672	4005993.6705	11+848.48	230299.3829	4005998.4881	42.15	20.97	10.705	28.4983	N76° 34' 32.62"W
C315	11+867.97	230279.8932	4005998.2075	11+853.27	230294.5921	4005998.4192	11+876.31	230279.7603	4006012.9074	14.62	23.05	14.700	90.3072	N45° 40' 16.74"W
C316	11+895.76	230279.5846	4006032.3570	11+887.52	230279.6590	4006024.1167	11+902.13	230272.0206	4006035.6272	12.66	14.61	8.241	66.1012	N33° 34' 06.10"W
C317	11+919.11	230256.4439	4006042.3617	11+913.43	230261.6496	4006040.1111	11+924.05	230254.8094	4006047.7925	12.20	10.62	5.671	49.8691	N41° 41' 03.94"W
C318	11+947.39	230248.0833	4006070.1410	11+938.68	230250.5924	4006061.8040	11+955.78	230249.5863	4006078.7167	36.70	17.10	8.706	26.6909	N3° 24' 15.99"W
C319	11+980.72	230253.8924	4006103.2853	11+973.01	230252.5616	4006095.6924	11+988.42	230254.4378	4006110.9747	150.00	15.40	7.709	5.8838	N6° 59' 56.63"E
C320	12+006.67	230255.7289	4006129.1787	11+996.62	230255.0181	4006119.1572	12+013.00	230245.8422	4006130.9644	11.19	16.38	10.047	83.8193	N37° 51' 08.94"W

[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Signature]



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024.	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/WRD/RRD_UCH_NR1/HCD/H
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AGEEL YOUNIS						
								AUG. 2024.		

Curve Table: Alignments														
Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C321	12+032.18	230226.9644	4006134.3739	12+027.09	230231.9710	4006133.4697	12+037.26	230222.0870	4006135.8212	92.61	10.16	5.088	6.2890	N76° 37' 03.44"W
C322	12+069.10	230191.5577	4006144.8799	12+062.56	230197.8321	4006143.0182	12+075.40	230186.8177	4006149.3928	27.19	12.85	6.545	27.0669	N59° 56' 22.79"W
C323	12+083.81	230180.7315	4006155.1874	12+078.22	230184.7757	4006151.3370	12+089.36	230176.0461	4006158.2254	60.00	11.14	5.584	10.6342	N51° 43' 23.81"W
C324	12+111.12	230157.7846	4006170.0663	12+099.41	230167.6098	4006163.6956	12+122.33	230152.2998	4006180.4123	45.10	22.91	11.710	29.1106	N42° 29' 06.31"W
C325	12+149.03	230139.7901	4006204.0093	12+143.10	230142.5719	4006198.7619	12+154.96	230137.6936	4006209.5662	93.63	11.86	5.939	7.2592	N24° 18' 00.78"W
C326	12+179.91	230128.8848	4006232.9142	12+167.65	230133.2117	4006221.4455	12+189.76	230116.7365	4006234.5490	20.54	22.10	12.258	61.6649	N51° 30' 11.10"W
C327	12+200.91	230105.6830	4006236.0366	12+194.63	230111.9114	4006235.1984	12+206.94	230100.5748	4006239.6975	25.24	12.32	6.285	27.9637	N68° 21' 13.23"W
C328	12+246.19	230068.6755	4006262.5588	12+238.71	230074.7557	4006258.2013	12+253.67	230062.3971	4006266.6255	317.83	14.96	7.480	2.6965	N55° 43' 12.23"W
C329	12+314.71	230011.1617	4006299.8113	12+303.29	230020.7465	4006293.6031	12+326.05	230003.0489	4006307.8481	110.52	22.76	11.420	11.7985	N51° 10' 08.63"W
C330	12+362.63	229977.0597	4006333.5937	12+344.55	229989.9036	4006320.8702	12+377.20	229959.7246	4006328.4606	30.56	32.65	18.079	61.2247	N75° 52' 55.75"W
C331	12+394.93	229942.7317	4006323.4289	12+383.41	229953.7711	4006326.6977	12+397.46	229945.2727	4006334.6581	6.75	14.05	11.513	119.2447	N46° 52' 19.72"W
C332	12+413.33	229948.7761	4006350.1406	12+405.01	229946.9398	4006342.0254	12+421.39	229947.0285	4006358.2753	37.73	16.38	8.320	24.8751	N0° 18' 45.61"E
C333	12+439.33	229943.2594	4006375.8194	12+435.43	229944.0786	4006372.0060	12+442.92	229940.2020	4006378.2414	10.87	7.49	3.900	39.4892	N31° 52' 10.00"W
C334	12+451.24	229933.6806	4006383.4076	12+447.84	229936.3487	4006381.2940	12+454.61	229931.6269	4006386.1220	26.75	6.77	3.404	14.5031	N44° 21' 44.99"W
C335	12+478.74	229917.0653	4006405.3683	12+466.65	229924.3600	4006395.7268	12+488.62	229905.0566	4006403.9666	21.13	21.96	12.090	59.5467	N66° 53' 03.49"W
C336	12+506.83	229886.9716	4006401.8557	12+496.70	229897.0317	4006403.0300	12+513.32	229884.5085	4006411.6800	11.53	16.62	10.128	82.5826	N55° 21' 58.88"W
C337	12+530.48	229880.3364	4006428.3205	12+520.62	229882.7336	4006418.7590	12+537.26	229870.4811	4006428.1130	12.36	16.64	9.857	77.1313	N52° 38' 26.67"W
C338	12+555.88	229851.8708	4006427.7211	12+547.11	229860.6368	4006427.9057	12+563.19	229846.9044	4006434.9468	16.25	16.08	8.768	56.7049	N62° 51' 14.21"W
C339	12+579.31	229837.7749	4006448.2295	12+569.24	229843.4771	4006439.9333	12+588.89	229828.6310	4006452.4403	36.58	19.65	10.067	30.7727	N49° 53' 16.18"W
C340	12+604.74	229814.2281	4006459.0727	12+592.29	229825.5365	4006453.8653	12+615.79	229810.3103	4006470.8900	28.68	23.49	12.450	46.9320	N41° 48' 29.36"W
C341	12+639.83	229802.7433	4006493.7142	12+630.74	229805.6030	4006485.0885	12+648.20	229795.0671	4006498.5782	25.45	17.46	9.087	39.2980	N37° 59' 28.08"W
C342	12+676.63	229771.0511	4006513.7956	12+665.94	229780.0823	4006508.0731	12+685.29	229771.6032	4006524.4729	18.30	19.35	10.692	60.6002	N27° 20' 24.07"W
C343	12+703.03	229772.5194	4006542.1900	12+694.84	229772.0964	4006534.0095	12+710.60	229767.7629	4006548.8590	23.48	15.76	8.191	38.4572	N16° 16' 06.56"W
C344	12+783.81	229725.2542	4006608.4605	12+773.12	229731.4633	4006599.7547	12+793.88	229724.9353	4006619.1489	35.21	20.76	10.693	33.7880	N18° 36' 11.00"W
C345	12+814.70	229724.3143	4006639.9619	12+802.68	229724.6729	4006627.9408	12+824.44	229713.6604	4006645.5413	20.56	21.76	12.026	60.6497	N32° 02' 02.02"W
C346	12+841.76	229698.3174	4006653.5765	12+829.66	229709.0403	4006647.9609	12+848.83	229692.4600	4006642.9838	12.38	19.17	12.104	88.7001	S73° 17' 28.38"W
C347	12+874.24	229680.1621	4006620.7440	12+852.41	229690.7241	4006639.8445	12+892.67	229658.4601	4006618.4184	41.98	40.26	21.826	54.9423	S56° 24' 44.39"W
C348	12+903.86	229647.3288	4006617.2255	12+901.44	229649.7400	4006617.4839	12+906.28	229644.9550	4006616.7293	48.78	4.85	2.425	5.6916	S81° 02' 15.65"W
C349	12+944.34	229607.7030	4006608.9414	12+922.44	229629.1440	4006613.4238	12+940.01	229622.6324	4006624.9702	6.95	17.57	21.905	144.7743	N29° 25' 15.41"W
C350	12+986.21	229654.1240	4006658.7807	12+961.58	229637.3368	4006640.7574	13+001.42	229637.5801	4006677.0276	26.80	39.84	24.630	85.1639	N0° 23' 03.48"E
C351	13+009.36	229632.2461	4006682.9107	13+003.36	229636.2743	4006678.4678	13+014.86	229632.0551	4006688.9048	16.31	11.49	5.997	40.3724	N22° 00' 41.21"W
C352	13+026.51	229631.6841	4006700.5456	13+019.83	229631.8966	4006693.8777	13+032.93	229628.4557	4006706.3836	27.66	13.09	6.671	27.1171	N15° 23' 01.69"W
C353	13+077.64	229606.8184	4006745.5112	13+064.67	229613.0924	4006734.1657	13+090.28	229605.2705	4006758.3831	66.43	25.61	12.965	22.0854	N17° 53' 58.72"W
C354	13+195.12	229592.7539	4006862.4710	13+160.08	229596.9374	4006827.6813	13+171.41	229589.2293	4006827.6084	3.88	11.33	35.040	167.3702	S89° 27' 28.62"W
C355	13+187.01	229587.6602	4006812.0873	13+179.38	229588.4272	4006819.6742	13+194.56	229585.1094	4006804.9011	63.15	15.18	7.626	13.7697	S12° 39' 27.78"W
C356	13+216.84	229577.6545	4006783.8987	13+208.60	229580.4121	4006791.6675	13+225.03	229573.3354	4006776.8771	78.08	16.43	8.244	12.0536	S25° 34' 09.85"W
C357	13+337.66	229514.3230	4006680.9397	13+326.63	229520.1011	4006690.3332	13+348.24	229504.7764	4006675.4183	43.65	21.60	11.028	28.3607	S45° 46' 35.66"W
C358	13+378.55	229478.5354	4006660.2418	13+372.04	229484.1749	4006663.5034	13+384.94	229474.2720	4006655.3158	38.76	12.91	6.515	19.0806	S50° 24' 59.86"W
C359	13+410.84	229457.3238	4006635.7340	13+398.26	229465.5597	4006645.2497	13+423.38	229447.7621	4006627.5516	167.99	25.12	12.585	8.5684	S45° 09' 37.83"W
C360	13+444.63	229431.6136	4006613.7325	13+440.38	229434.8457	4006616.4983	13+448.73	229429.9829	4006609.8036	17.78	8.35	4.254	26.9032	S35° 59' 35.05"W

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.




<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	AUG, 2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S
		a			DRAWN	IMRAN TARIQ						DATE:
		b			CHECKED	SHAHZAD DURRANI						AUG, 2024
c			APPROVED	AQEEL YOUNIS								

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C361	13+465.31	229423.6286	4006594.4942	13+458.61	229426.1951	4006600.6777	13+468.74	229417.7235	4006597.6490	6.07	10.13	6.695	95.5727	S70° 19' 40.01"W
C362	13+473.71	229413.3439	4006599.9889	13+469.58	229416.9833	4006598.0445	13+476.34	229414.8236	4006603.8408	4.67	6.76	4.126	82.8997	N20° 26' 09.77"W
C363	13+491.38	229420.2154	4006617.8769	13+487.19	229418.7136	4006613.9675	13+495.52	229420.7072	4006622.0359	33.46	8.33	4.188	14.2695	N13° 52' 44.63"E
C364	13+550.25	229427.1339	4006676.3809	13+541.55	229426.1121	4006667.7404	13+558.95	229428.4226	4006684.9856	562.24	17.40	8.701	1.7732	N7° 37' 51.27"E
C365	13+602.87	229434.9281	4006728.4243	13+599.19	229434.3833	4006724.7863	13+606.54	229435.8351	4006731.9893	73.17	7.35	3.679	5.7559	N11° 23' 43.62"E
C366	13+664.93	229450.2296	4006788.5708	13+648.25	229446.1181	4006772.4098	13+670.72	229433.6293	4006786.9854	11.74	22.47	16.676	109.7291	N40° 35' 28.01"W
C367	13+687.63	229416.8028	4006785.3783	13+674.73	229429.6414	4006786.6045	13+699.04	229407.2092	4006793.9979	29.38	24.31	12.897	47.3944	N71° 45' 30.44"W
C368	13+715.82	229394.7263	4006805.2134	13+708.53	229400.1493	4006800.3410	13+722.63	229387.4751	4006805.9677	22.44	14.10	7.290	35.9996	N66° 03' 39.91"W
C369	13+747.83	229362.4040	4006808.5759	13+739.23	229370.9575	4006807.6860	13+755.94	229355.7577	4006814.0332	28.62	16.71	8.600	33.4507	N67° 20' 07.95"W
C370	13+791.62	229328.1857	4006836.6729	13+780.23	229336.9874	4006829.4457	13+799.90	229318.6293	4006830.4781	15.58	19.67	11.389	72.3424	N86° 46' 52.95"W
C371	13+861.87	229266.6286	4006796.7696	13+835.52	229288.7332	4006811.0985	13+851.61	229280.4048	4006819.2227	5.96	16.08	26.343	154.4839	N45° 42' 38.18"W
C372	13+873.22	229291.7059	4006837.6417	13+859.93	229284.7566	4006826.3155	13+883.28	229283.7599	4006848.2925	19.61	23.36	13.288	68.2559	N2° 35' 47.64"W
C373	13+921.22	229261.0776	4006878.6961	13+915.69	229264.3820	4006874.2669	13+925.49	229263.7758	4006883.5186	8.52	9.80	5.526	65.9516	N3° 44' 55.29"W
C374	13+941.14	229271.4131	4006897.1688	13+934.88	229268.3583	4006891.7088	13+947.04	229270.9935	4006903.4113	21.07	12.16	6.257	33.0725	N12° 41' 27.07"E
C375	13+977.20	229268.9712	4006933.4982	13+971.48	229269.3545	4006927.7965	13+982.65	229271.4648	4006938.6401	21.54	11.17	5.715	29.7168	N11° 00' 46.79"E
C376	13+995.87	229277.2323	4006950.5329	13+988.96	229274.2166	4006944.3143	14+001.82	229274.1722	4006956.7297	14.12	12.85	6.911	52.1519	N0° 12' 16.40"W
C377	14+010.49	229270.3294	4006964.5117	14+004.73	229272.8801	4006959.3465	14+015.59	229272.4158	4006969.8812	13.09	10.85	5.761	47.5142	N2° 31' 24.38"W
C378	14+030.79	229277.9228	4006984.0546	14+025.23	229275.9065	4006978.8652	14+036.05	229276.7680	4006989.5008	18.67	10.82	5.567	33.2053	N4° 37' 51.60"E
C379	14+081.48	229267.3435	4007033.9476	14+068.46	229270.0439	4007021.2123	14+093.56	229257.4302	4007042.3861	38.22	25.09	13.019	37.6232	N30° 46' 59.67"W
C380	14+107.45	229246.8489	4007051.3931	14+099.96	229252.5512	4007046.5392	14+114.63	229244.1867	4007058.3924	29.20	14.66	7.489	28.7703	N35° 12' 34.95"W
C381	14+145.60	229233.1757	4007087.3415	14+132.45	229237.8484	4007075.0565	14+157.60	229221.5626	4007093.4972	34.92	25.14	13.144	41.2489	N41° 26' 56.58"W
C382	14+184.35	229197.9256	4007106.0264	14+168.92	229211.5540	4007098.8025	14+197.07	229196.9005	4007121.4169	27.68	28.14	15.425	58.2631	N32° 56' 31.17"W
C383	14+238.55	229194.1435	4007162.8114	14+227.57	229194.8733	4007151.8539	14+248.77	229200.1332	4007172.0158	32.95	21.20	10.982	36.8643	N14° 37' 18.06"E
C384	14+273.11	229213.4091	4007192.4169	14+264.17	229208.5285	4007184.9168	14+281.47	229212.9648	4007201.3541	27.62	17.31	8.948	35.8997	N15° 06' 14.31"E
C385	14+307.02	229211.6964	4007226.8691	14+294.84	229212.3010	4007214.7076	14+318.74	229205.6288	4007237.4261	50.64	23.90	12.176	27.0423	N16° 22' 01.20"W
C386	14+334.77	229197.6427	4007251.3210	14+321.60	229204.2062	4007239.9012	14+346.99	229199.4196	4007264.3721	38.65	25.39	13.172	37.6412	N11° 04' 03.14"W
C387	14+456.38	229214.1773	4007372.7661	14+386.48	229204.7479	4007303.5078	14+405.32	229192.3949	4007306.3496	6.36	18.84	69.897	169.5953	N77° 02' 40.49"W
C388	14+440.23	229181.5160	4007273.1789	14+433.17	229183.7151	4007279.8843	14+444.08	229174.9109	4007275.6633	6.76	10.91	7.057	92.4552	S64° 23' 07.47"W
C389	14+459.33	229160.6372	4007281.0321	14+448.44	229170.8338	4007277.1968	14+464.18	229158.9433	4007270.2706	8.87	15.75	10.894	101.6677	S59° 46' 44.99"W
C390	14+485.90	229155.5669	4007248.8205	14+480.26	229156.4435	4007254.3892	14+491.38	229152.5744	4007244.0430	27.56	11.12	5.637	23.1167	S20° 30' 13.08"W
C391	14+512.51	229141.3588	4007226.1373	14+504.43	229145.6456	4007232.9813	14+520.23	229140.9808	4007218.0705	30.81	15.80	8.076	29.3792	S17° 22' 20.54"W
C392	14+534.90	229140.2941	4007203.4159	14+529.43	229140.5502	4007208.8818	14+539.73	229136.0647	4007199.9442	12.31	10.30	5.472	47.9356	S26° 39' 02.13"W
C393	14+579.86	229105.0466	4007174.4823	14+566.01	229115.7516	4007183.2697	14+593.68	229095.3857	4007164.5584	248.20	27.67	13.850	6.3878	S47° 25' 28.32"W
C394	14+614.91	229080.5783	4007149.3480	14+603.18	229088.7589	4007157.7512	14+626.55	229074.2595	4007139.4683	115.17	23.37	11.728	11.6284	S38° 24' 59.26"W
C395	14+654.01	229059.4652	4007116.3371	14+649.16	229062.0780	4007120.4223	14+658.79	229058.1428	4007111.6716	32.88	9.63	4.849	16.7781	S24° 12' 47.61"W
C396	14+683.59	229051.3817	4007087.8165	14+667.69	229055.7158	4007103.1084	14+695.31	229035.5122	4007086.9290	22.29	27.62	15.894	70.9751	S51° 18' 42.16"W
C397	14+753.25	228977.6575	4007083.6937	14+713.05	229017.7994	4007085.9385	14+786.46	228958.3177	4007048.4462	72.46	73.41	40.205	58.0463	S57° 46' 33.87"W
C398	14+801.98	228950.8523	4007034.8401	14+791.54	228955.8727	4007043.9899	14+811.83	228951.6701	4007024.4356	34.96	20.28	10.437	33.2470	S12° 07' 45.97"W
C399	14+834.72	228953.4641	4007001.6095	14+817.64	228952.1254	4007018.6424	14+849.72	228941.5367	4006989.3764	37.69	32.08	17.085	48.7694	S19° 53' 26.35"W
C400	14+872.96	228925.3097	4006972.7338	14+862.31	228932.7499	4006980.3645	14+882.88	228923.9560	4006962.1625	31.87	20.57	10.658	36.9780	S25° 47' 10.88"W


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.




 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 5835 P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:
		a	AUG. 2024	Fender Drawings	G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	IMRAN TARIO			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG. 2024	
			APPROVED	AGEEL YOUNIS	DWG NO: CEC/KP-RRDP/HW/RRD_UCH_NR1/HCD/J					




Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C401	14+903.07	228921.3912	4006942.1335	14+894.20	228922.5173	4006950.9273	14+910.45	228913.4094	4006938.2747	16.36	16.25	8.866	56.9009	S35° 44' 52.22"W
C402	14+945.14	228882.1839	4006923.1785	14+936.73	228889.7541	4006926.8384	14+953.38	228873.8283	4006922.2378	49.25	16.66	8.408	19.3778	S73° 53' 13.93"W
C403	14+978.62	228848.7457	4006919.4137	14+962.94	228864.3272	4006921.1681	14+981.50	228858.4427	4006907.0919	8.73	18.56	15.680	121.7780	S22° 41' 13.47"W
C404	14+993.18	228865.6642	4006897.9157	14+987.02	228861.8549	4006902.7561	14+998.93	228865.8884	4006891.7602	18.89	11.91	6.160	36.1156	S20° 08' 38.94"E
C405	15+012.35	228866.3772	4006878.3448	15+003.72	228866.0628	4006886.9733	15+019.48	228873.8716	4006874.0572	15.53	15.76	8.634	58.1398	S31° 09' 22.50"E
C406	15+025.87	228879.4226	4006870.8815	15+021.47	228875.6031	4006873.0666	15+030.14	228881.9722	4006867.2950	20.00	8.66	4.400	24.8172	S47° 49' 03.12"E
C407	15+039.76	228887.5508	4006859.4478	15+031.88	228882.9818	4006865.8748	15+047.31	228894.6591	4006856.0342	30.56	15.43	7.886	28.9399	S49° 52' 43.94"E
C408	15+070.19	228915.2828	4006846.1304	15+057.30	228903.6613	4006851.7112	15+081.44	228918.5158	4006833.6503	27.76	24.14	12.892	49.8256	S39° 26' 09.70"E
C409	15+094.30	228921.7401	4006821.2037	15+090.02	228920.6669	4006825.3464	15+098.48	228924.2040	4006817.7048	23.51	8.47	4.279	20.6306	S24° 50' 18.80"E
C410	15+115.93	228934.2487	4006803.4412	15+109.14	228930.3388	4006808.9934	15+120.60	228929.7006	4006798.3984	8.51	11.46	6.791	77.2015	S3° 26' 48.80"W
C411	15+126.51	228925.7441	4006794.0116	15+121.39	228929.1720	4006797.8123	15+128.69	228922.8363	4006798.2236	4.05	7.30	5.118	103.3322	N86° 17' 10.57"W
C412	15+139.83	228916.5070	4006807.3916	15+134.18	228919.7138	4006802.7465	15+145.21	228911.4022	4006809.8004	20.98	11.03	5.645	30.1189	N49° 40' 46.63"W
C413	15+164.40	228894.0471	4006817.9896	15+158.06	228899.7818	4006815.2836	15+170.32	228887.8230	4006816.7777	19.36	12.26	6.341	36.2789	N82° 52' 42.58"W
C414	15+179.71	228878.6012	4006814.9822	15+175.97	228882.2763	4006815.6978	15+183.32	228874.9864	4006815.9577	16.14	7.36	3.744	26.1195	N87° 57' 29.41"W
C415	15+195.54	228863.1945	4006819.1397	15+186.28	228872.1338	4006816.7274	15+197.31	228865.7671	4006810.2452	5.21	11.03	9.259	121.2333	S44° 29' 05.82"W
C416	15+202.75	228867.2790	4006805.0179	15+199.33	228866.3289	4006808.3030	15+205.71	228870.4300	4006803.6890	7.17	6.38	3.420	50.9997	S41° 37' 53.60"E
C417	15+226.53	228889.6095	4006795.5996	15+210.85	228875.1611	4006801.6935	15+236.65	228885.5547	4006780.4520	18.00	25.80	15.681	82.1174	S26° 04' 21.84"E
C418	15+250.28	228882.0295	4006767.2827	15+245.15	228883.3561	4006772.2385	15+255.34	228882.1683	4006762.1544	35.30	10.19	5.130	16.5360	S6° 43' 04.66"W
C419	15+263.31	228882.3838	4006754.1897	15+257.96	228882.2392	4006759.5333	15+268.63	228881.6139	4006748.8998	62.16	10.66	5.346	9.8311	S3° 21' 55.87"W
C420	15+278.51	228880.1911	4006739.1244	15+270.65	228881.3230	4006746.9017	15+286.23	228881.5498	4006731.3836	48.97	15.59	7.859	18.2363	S0° 50' 13.58"E
C421	15+331.51	228889.3780	4006686.7842	15+322.52	228887.8228	4006695.6441	15+339.95	228885.5705	4006678.6344	28.53	17.43	8.995	34.9962	S7° 32' 34.11"W
C422	15+371.00	228872.4282	4006650.5030	15+363.46	228875.6165	4006657.3275	15+378.18	228866.2532	4006646.1891	28.09	14.72	7.533	30.0207	S40° 03' 04.50"W
C423	15+393.07	228854.0492	4006637.6633	15+384.32	228861.2210	4006642.6736	15+400.72	228853.1926	4006628.9568	19.00	16.40	8.749	49.4427	S30° 20' 24.91"W
C424	15+427.50	228850.5702	4006602.3017	15+419.19	228851.3839	4006610.5728	15+435.67	228852.4491	4006594.2059	50.52	16.47	8.311	18.6848	S3° 43' 24.55"E
C425	15+469.87	228860.1815	4006560.8877	15+461.41	228858.2686	4006569.1303	15+478.24	228859.9188	4006552.4301	64.95	16.83	8.462	14.8455	S5° 38' 35.18"E
C426	15+487.23	228859.6394	4006543.4389	15+483.31	228859.7613	4006547.3629	15+491.13	228860.3038	4006539.5695	38.91	7.83	3.926	11.5234	S3° 58' 55.29"E
C427	15+502.28	228862.1907	4006528.5815	15+495.92	228861.1136	4006534.8539	15+508.46	228860.6284	4006522.4121	30.00	12.54	6.364	23.9541	S2° 14' 00.11"W
C428	15+529.77	228855.3970	4006501.7538	15+521.47	228857.4350	4006509.8016	15+537.04	228860.1540	4006494.9501	18.15	15.57	8.302	49.1704	S10° 22' 29.23"E
C429	15+548.44	228866.6872	4006485.6058	15+540.77	228862.2926	4006491.8912	15+555.71	228867.0911	4006477.9472	26.80	14.94	7.669	31.9407	S18° 59' 22.82"E
C430	15+581.61	228868.4555	4006452.0807	15+572.51	228867.9759	4006461.1733	15+590.70	228867.8505	4006442.9956	152.60	18.19	9.105	6.8291	S0° 23' 42.77"W
C431	15+631.50	228865.1393	4006402.2809	15+611.41	228866.4745	4006422.3319	15+650.83	228873.1440	4006383.8485	82.80	39.43	20.095	27.2839	S9° 49' 55.90"E
C432	15+679.53	228884.5757	4006357.5249	15+670.04	228880.7922	4006366.2371	15+688.98	228886.7794	4006348.2859	107.93	18.95	9.498	10.0587	S18° 26' 41.33"E
C433	15+731.90	228896.7364	4006306.5407	15+711.57	228892.0204	4006326.3128	15+750.32	228913.6189	4006295.2200	51.95	38.75	20.327	42.7404	S34° 47' 08.44"E
C434	15+771.43	228931.1504	4006283.4641	15+763.85	228924.8530	4006287.6869	15+778.41	228933.3532	4006276.2090	21.25	14.57	7.582	39.2665	S36° 31' 21.46"E
C435	15+800.19	228939.6794	4006255.3732	15+785.02	228935.2724	4006269.8879	15+799.23	228926.5971	4006263.0513	5.93	14.21	15.169	137.2984	S51° 45' 35.39"W
C436	15+816.96	228911.3086	4006272.0242	15+808.64	228918.4838	4006267.8130	15+825.16	228905.6414	4006278.1152	56.84	16.52	8.320	16.6552	N51° 15' 48.21"W
C437	15+834.04	228899.5890	4006284.6202	15+826.67	228904.6159	4006279.2174	15+841.19	228892.7545	4006287.4038	33.42	14.53	7.380	24.9035	N55° 23' 15.17"W
C438	15+891.68	228845.9929	4006306.4485	15+861.33	228874.1069	4006294.9989	15+918.61	228818.4191	4006293.7532	70.01	57.29	30.356	46.8843	S88° 43' 06.89"W
C439	15+949.23	228790.6104	4006280.9488	15+941.09	228798.0019	4006284.3522	15+957.32	228783.9341	4006276.2966	91.67	16.23	8.137	10.1458	S60° 12' 12.79"W
C440	15+999.01	228749.7331	4006252.4649	15+974.68	228789.6953	4006266.3748	16+017.43	228729.4316	4006265.8748	35.86	42.75	24.331	68.3156	S89° 17' 18.47"W


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		0	AUG. 2024	Tender Drawings.	G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN	IMRAN TARIO			DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG.	
c			APPROVED	AGEEL YOUNIS	2024.	DWG NO:CEG/CP-RRDP/HW/RRD_UCH_NR1/HCD/K				




Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C441	16+052.59	228700.0930	4006285.2540	16+038.82	228711.5879	4006277.6612	16+062.12	228690.0633	4006275.8099	17.41	23.31	13.776	76.7237	S85° 05' 03.84"W
C442	16+081.79	228675.7449	4006262.3276	16+069.64	228684.5946	4006270.6605	16+090.17	228665.6421	4006269.0869	15.26	20.53	12.155	77.0619	S85° 15' 12.56"W
C443	16+099.01	228658.2924	4006274.0042	16+092.33	228663.8451	4006270.2891	16+105.22	228651.6216	4006273.6360	20.00	12.90	6.681	36.9434	N74° 41' 14.05"W
C444	16+115.45	228641.4102	4006273.0725	16+110.65	228646.2036	4006273.3370	16+120.13	228636.8651	4006274.6177	24.77	9.48	4.801	21.9359	N82° 11' 27.47"W
C445	16+128.97	228628.4994	4006277.4619	16+123.62	228633.5620	4006275.7407	16+134.07	228623.2534	4006276.4270	20.00	10.45	5.347	29.9368	N86° 11' 29.14"W
C446	16+142.72	228614.7731	4006274.7540	16+137.78	228619.6155	4006275.7093	16+147.46	228610.0422	4006276.1613	20.00	9.68	4.936	27.7257	N87° 17' 49.17"W
C447	16+155.03	228602.7824	4006278.3208	16+147.90	228609.6206	4006276.2867	16+162.07	228595.6483	4006278.3861	50.63	14.18	7.134	16.0414	N81° 27' 17.46"W
C448	16+168.71	228589.0126	4006278.4469	16+162.74	228594.9822	4006278.3922	16+174.48	228583.6622	4006281.0949	26.06	11.74	5.970	25.8071	N76° 34' 19.19"W
C449	16+191.70	228568.2307	4006288.7322	16+186.70	228572.7065	4006286.5170	16+196.46	228565.4541	4006292.8833	18.71	9.76	4.994	29.8906	N48° 43' 23.32"W
C450	16+214.13	228555.6305	4006307.5698	16+198.07	228564.5582	4006294.2226	16+228.70	228540.0309	4006311.3785	41.29	30.63	16.058	42.5019	N55° 01' 43.69"W
C451	16+246.68	228522.5649	4006315.6427	16+238.23	228530.7797	4006313.6371	16+254.99	228515.4123	4006320.1533	51.88	16.76	8.456	18.5160	N67° 01' 18.34"W
C452	16+268.97	228503.5884	4006327.6097	16+263.52	228508.1975	4006324.7031	16+274.41	228498.6729	4006329.9612	93.51	10.89	5.449	6.6701	N61° 05' 55.77"W
C453	16+292.93	228481.9581	4006337.9574	16+289.49	228485.0646	4006336.4713	16+296.34	228478.5828	4006338.6401	27.78	6.85	3.444	14.1323	N71° 30' 00.20"W
C454	16+311.63	228463.5994	4006341.6705	16+305.46	228469.6508	4006340.4466	16+317.83	228458.5472	4006345.2190	29.49	12.17	6.174	23.6491	N66° 44' 30.02"W
C455	16+327.37	228450.5749	4006350.8184	16+324.01	228453.3269	4006348.8855	16+330.69	228448.4727	4006353.4434	23.59	6.68	3.363	16.2282	N46° 48' 10.86"W
C456	16+337.41	228444.2710	4006358.6901	16+330.85	228448.3711	4006353.5704	16+343.82	228438.6003	4006361.9861	35.14	12.97	6.559	21.1445	N49° 15' 40.13"W
C457	16+361.00	228423.7433	4006370.6215	16+356.04	228428.0324	4006368.1285	16+365.96	228419.2391	4006372.7004	105.37	9.91	4.961	5.3909	N62° 31' 43.75"W
C458	16+372.27	228413.5055	4006375.3467	16+367.43	228417.9053	4006373.3160	16+377.03	228409.9964	4006378.6886	29.23	9.60	4.846	18.8262	N55° 48' 40.10"W
C459	16+386.47	228403.1580	4006385.2013	16+380.55	228407.4474	4006381.1162	16+392.36	228398.1939	4006388.4331	64.25	11.81	5.923	10.5353	N51° 39' 56.45"W
C460	16+413.13	228380.7909	4006399.7636	16+403.62	228388.7637	4006394.5728	16+422.40	228375.3832	4006407.5909	48.28	18.79	9.514	22.2933	N45° 47' 12.10"W
C461	16+433.08	228369.3150	4006416.3741	16+426.91	228372.8201	4006411.3007	16+438.54	228363.2099	4006417.2420	14.09	11.63	6.166	47.2685	N58° 16' 27.49"W
C462	16+453.81	228348.0888	4006419.3918	16+446.24	228355.5845	4006418.3261	16+461.34	228340.9274	4006421.8486	79.77	15.10	7.571	10.8436	N76° 29' 12.36"W
C463	16+480.59	228322.7166	4006428.0959	16+473.80	228329.1374	4006425.8932	16+487.33	228315.9783	4006428.9177	64.68	13.53	6.788	11.9817	N77° 03' 20.97"W
C464	16+510.84	228292.6392	4006431.7641	16+505.44	228297.9965	4006431.1107	16+515.93	228288.5384	4006435.2729	17.88	10.48	5.397	33.5984	N66° 14' 50.90"W
C465	16+530.12	228277.7521	4006444.5021	16+518.49	228286.5940	4006436.9366	16+539.70	228266.6786	4006440.9252	20.80	21.22	11.637	58.4532	N78° 40' 29.55"W
C466	16+572.50	228235.4710	4006430.8445	16+549.49	228257.3691	4006437.9180	16+572.63	228255.6223	4006419.7322	9.95	23.14	23.012	133.2243	S5° 29' 10.87"W
C467	16+602.18	228281.5004	4006405.4619	16+596.20	228276.2596	4006408.3520	16+608.14	228286.1565	4006401.7017	68.07	11.94	5.985	10.0500	S56° 06' 02.91"E
C468	16+635.05	228307.0947	4006384.7921	16+619.36	228294.8883	4006394.6499	16+638.57	228292.5638	4006378.8737	9.26	19.21	15.690	118.9149	S8° 22' 53.96"W
C469	16+644.49	228287.0814	4006376.6407	16+640.41	228290.8636	4006378.1812	16+648.38	228284.6021	4006373.3955	15.00	7.97	4.084	30.4601	S52° 36' 32.57"W
C470	16+671.09	228270.8159	4006355.3502	16+666.87	228273.3785	4006358.7045	16+675.27	228269.1440	4006351.4742	34.27	8.40	4.221	14.0452	S30° 21' 23.03"W
C471	16+694.17	228261.6590	4006334.1226	16+687.44	228264.3248	4006340.3023	16+700.65	228262.1116	4006327.4077	27.83	13.21	6.730	27.1900	S9° 44' 19.74"W
C472	16+718.52	228263.3135	4006309.5778	16+714.06	228263.0139	4006314.0219	16+721.62	228259.0702	4006308.2234	5.69	7.56	4.454	76.1531	S34° 13' 13.32"W
C473	16+750.72	228231.3507	4006299.3753	16+735.67	228245.6825	4006303.9500	16+762.96	228228.1457	4006284.6764	26.06	27.29	15.044	59.9963	S42° 17' 55.46"W
C474	16+786.90	228223.0459	4006261.2880	16+774.88	228225.6060	4006273.0289	16+797.43	228212.5028	4006255.5223	26.35	22.55	12.017	49.0264	S36° 48' 49.63"W
C475	16+827.26	228186.3306	4006241.2095	16+817.98	228194.4730	4006245.6623	16+833.24	228189.6349	4006232.5372	10.64	15.26	9.280	82.1847	S20° 14' 04.72"W
C476	16+844.89	228193.7822	4006221.6523	16+839.86	228191.9898	4006226.3565	16+849.40	228191.7208	4006217.0596	12.14	9.54	5.034	45.0295	S1° 39' 25.29"W
C477	16+869.01	228183.6896	4006199.1656	16+864.65	228185.4748	4006203.1431	16+873.35	228181.1969	4006195.5887	46.55	8.69	4.360	10.7004	S29° 31' 19.02"W
C478	16+892.82	228170.0651	4006179.6151	16+884.13	228175.0353	4006186.7471	16+899.26	228161.6836	4006181.9216	12.30	15.13	8.693	70.5142	S70° 07' 45.36"W
C479	16+915.60	228145.9283	4006186.2573	16+904.30	228156.8238	4006183.2590	16+920.49	228145.4064	4006174.9689	9.03	16.19	11.301	102.7390	S54° 01' 00.75"W
C480	16+935.42	228144.7168	4006160.0555	16+927.66	228145.0751	4006167.8057	16+942.63	228149.1326	4006153.6763	22.96	14.96	7.758	37.3390	S16° 01' 19.69"E


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		a	AUG, 2024.	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL		N.T.S
		b			DRAWN	IMRAN TARIQ				DATE:
		c			CHECKED	SHAHZAD DURRANI				AUG, 2024.
			APPROVED	AQEEL YOUNIS	FLOOD AFFECTED ROAD	DWG NO: CEC/KP-RRDP/RRD_UCH_NR1_HCD/L				

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C481	16+964.11	228161.3615	4006136.0100	16+954.83	228156.0778	4006143.6430	16+973.04	228169.5667	4006131.6679	38.05	18.21	9.283	27.4211	S48° 24' 07.92"E
C482	17+007.60	228200.1148	4006115.5022	17+002.31	228195.4322	4006117.9802	17+012.89	228205.0106	4006113.4779	111.87	10.59	5.298	5.4229	S64° 49' 27.14"E
C483	17+025.29	228216.4624	4006108.7428	17+019.72	228211.3230	4006110.8678	17+030.77	228220.7595	4006105.2125	37.35	11.04	5.561	16.9401	S59° 03' 56.15"E
C484	17+085.72	228263.2217	4006070.3282	17+074.53	228254.5774	4006077.4298	17+093.30	228258.0010	4006060.4337	13.71	18.77	11.187	78.4132	S11° 23' 20.24"E
C485	17+112.27	228249.1498	4006043.6584	17+101.73	228254.0688	4006052.9811	17+121.08	228254.1986	4006034.4054	19.64	19.35	10.541	56.4361	S0° 24' 01.44"E
C486	17+135.51	228261.1118	4006021.7353	17+129.89	228258.4207	4006026.6675	17+140.85	228260.8499	4006016.1229	20.06	10.96	5.619	31.2900	S12° 58' 24.40"E
C487	17+154.46	228260.2154	4006002.5235	17+147.12	228260.5574	4006009.8544	17+161.57	228263.0063	4005995.7361	33.07	14.44	7.339	25.0239	S9° 50' 25.38"E
C488	17+182.58	228270.9995	4005976.2972	17+171.82	228266.9044	4005986.2563	17+192.14	228266.5464	4005966.4929	24.90	20.33	10.768	46.7799	S1° 02' 15.43"W
C489	17+221.65	228254.3429	4005939.6247	17+206.31	228260.6868	4005953.5918	17+236.00	228257.3058	4005924.5732	47.83	29.69	15.340	35.5638	S6° 38' 44.32"W
C490	17+270.05	228263.8811	4005891.1703	17+258.05	228261.5649	4005902.9366	17+280.86	228273.6965	4005884.2807	29.83	22.80	11.992	43.7978	S33° 02' 06.67"E
C491	17+294.85	228285.1447	4005876.2449	17+286.47	228278.2882	4005881.0577	17+303.07	228290.0988	4005869.4898	50.94	16.61	8.377	18.6787	S45° 35' 41.07"E
C492	17+323.03	228301.9001	4005853.3980	17+314.05	228296.5905	4005860.6379	17+331.72	228303.6174	4005844.5855	40.12	17.67	8.978	25.2284	S23° 38' 28.16"E
C493	17+372.08	228311.3377	4005804.9675	17+351.57	228307.4150	4005825.0972	17+390.48	228328.2880	4005793.4227	49.86	38.91	20.508	44.7144	S33° 23' 02.81"E
C494	17+415.59	228349.0355	4005779.2915	17+402.22	228337.9890	4005786.8153	17+427.56	228351.5239	4005766.1598	32.26	25.34	13.365	45.0113	S33° 14' 08.32"E
C495	17+465.07	228358.5060	4005729.3139	17+448.94	228355.5034	4005745.1591	17+481.10	228364.3832	4005714.2957	173.15	32.16	16.127	10.6423	S16° 03' 04.14"E
C496	17+517.39	228377.6087	4005680.5000	17+489.33	228367.3841	4005706.6274	17+526.99	228349.5583	4005679.9054	19.59	37.66	28.057	110.1578	S33° 42' 23.71"W
C497	17+550.26	228326.3017	4005679.4123	17+541.88	228334.6762	4005679.5899	17+557.41	228321.1418	4005686.0107	16.73	15.53	8.376	53.1896	N64° 37' 11.05"W
C498	17+576.72	228309.2475	4005701.2211	17+565.74	228316.0110	4005692.5720	17+583.66	228299.8952	4005695.4691	12.29	17.92	10.980	83.5682	N79° 48' 32.55"W
C499	17+610.58	228276.9656	4005681.3665	17+599.98	228285.9995	4005686.9227	17+620.23	228273.9591	4005671.1958	27.67	20.26	10.606	41.9390	S37° 26' 14.48"W
C500	17+637.52	228269.0592	4005654.6199	17+629.97	228271.1995	4005661.8603	17+642.80	228261.5145	4005654.9033	9.72	12.84	7.550	75.6829	S54° 18' 33.52"W
C501	17+677.15	228227.1885	4005656.1924	17+672.08	228232.2559	4005656.0021	17+682.17	228222.2269	4005655.1448	41.08	10.09	5.071	14.0740	S85° 06' 49.59"W
C502	17+697.98	228206.7583	4005651.8785	17+693.06	228211.5722	4005652.8950	17+702.75	228201.9613	4005652.9719	22.41	9.69	4.920	24.7644	N89° 32' 27.79"W
C503	17+720.06	228185.0851	4005656.8189	17+714.40	228190.6010	4005655.5615	17+724.68	228181.2060	4005652.7006	9.89	10.28	5.657	59.5550	S73° 03' 49.14"W
C504	17+737.33	228172.5333	4005643.4928	17+734.23	228174.6550	4005645.7454	17+740.38	228169.8516	4005641.9487	20.98	6.14	3.094	16.7805	S51° 40' 35.14"W
C505	17+761.81	228151.2775	4005631.2537	17+753.74	228158.2739	4005635.2823	17+765.09	228156.9843	4005625.5430	6.19	11.35	8.073	105.0469	S7° 32' 35.69"W
C506	17+775.78	228164.5417	4005617.9803	17+772.01	228161.8812	4005620.6427	17+779.44	228168.0349	4005616.5788	18.37	7.42	3.764	23.1580	S56° 33' 33.01"E
C507	17+807.74	228194.2993	4005606.0409	17+791.38	228179.1204	4005612.1310	17+817.70	228189.2639	4005590.4803	17.52	26.31	16.355	86.0696	S25° 06' 12.08"E
C508	17+830.50	228185.3237	4005578.3040	17+824.83	228187.0680	4005583.6944	17+835.98	228186.0075	4005572.6797	25.70	11.15	5.666	24.8641	S5° 29' 57.72"W
C509	17+846.09	228187.2271	4005562.6497	17+842.43	228186.7851	4005566.2844	17+849.62	228185.9922	4005559.2028	15.46	7.19	3.661	26.6425	S6° 23' 18.72"W
C510	17+877.54	228176.5734	4005532.9112	17+868.78	228179.5289	4005541.1612	17+883.54	228184.0046	4005528.2663	10.88	14.75	8.763	77.7018	S19° 08' 27.98"E
C511	17+906.56	228203.5275	4005516.0632	17+892.59	228191.6863	4005523.4647	17+918.16	228203.7122	4005502.1003	25.59	25.57	13.964	57.2341	S29° 22' 29.84"E
C512	17+934.40	228203.9271	4005485.8594	17+924.40	228203.7948	4005495.8585	17+944.36	228205.6016	4005476.0006	128.76	19.96	10.000	8.8819	S5° 11' 55.96"E
C513	17+998.84	228214.7236	4005422.2949	17+966.87	228209.3713	4005453.8066	18+028.33	228199.1128	4005394.4035	90.57	61.45	31.963	38.8756	S9° 47' 52.63"W
C514	18+060.06	228183.6152	4005366.7144	18+053.40	228186.8685	4005372.5269	18+066.12	228177.3089	4005364.5700	17.36	12.72	6.661	41.9838	S50° 13' 39.51"W
C515	18+078.88	228165.2286	4005360.4621	18+072.03	228171.7155	4005362.6679	18+085.52	228160.2402	4005355.7653	31.56	13.49	6.852	24.4945	S58° 58' 20.34"W
C516	18+097.86	228151.2591	4005347.3095	18+091.91	228155.5895	4005351.3866	18+103.72	228145.9519	4005344.6245	41.17	11.81	5.948	16.4398	S54° 56' 41.88"W
C517	18+117.48	228133.6790	4005338.4155	18+109.63	228140.6804	4005341.9576	18+125.29	228127.3134	4005333.8279	100.31	15.66	7.846	8.9451	S58° 41' 32.34"W
C518	18+146.44	228110.1600	4005321.4655	18+139.33	228115.9211	4005325.6175	18+153.49	228103.7139	4005318.4861	73.93	14.16	7.101	10.9739	S59° 42' 24.28"W
C519	18+171.88	228087.0270	4005310.7734	18+164.08	228094.1046	4005314.0447	18+179.36	228082.3094	4005304.5655	31.32	15.28	7.797	27.9613	S51° 12' 47.04"W
C520	18+196.38	228072.0126	4005291.0159	18+187.65	228077.2963	4005297.9688	18+204.81	228064.2117	4005287.0910	37.74	17.16	8.733	26.0590	S50° 15' 42.89"W

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		a	AUG. 2024	Tender Drawings	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	IMRAN TARIQ					
		c			CHECKED	SHAHZAD DURRANI					
			APPROVED	AQEEL YOUNIS							
									AUG. 2024	DWG NO: CEC/KP-RRDP/HW/RRD_UCH_NR1/HCD/M	

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C521	18+235.68	228036.6403	4005273.2189	18+227.06	228044.3360	4005277.0909	18+242.50	228036.6496	4005264.6040	13.96	15.44	8.615	63.3532	S31° 36' 53.29"W
C522	18+260.63	228036.6691	4005246.4690	18+252.22	228036.6601	4005254.8855	18+268.99	228034.8969	4005238.2412	78.64	16.77	8.416	12.2177	S6° 02' 49.34"W
C523	18+299.64	228028.4414	4005208.2716	18+289.22	228030.6356	4005218.4585	18+309.41	228020.7853	4005201.2026	32.92	20.18	10.420	35.1269	S29° 43' 09.48"W
C524	18+351.52	227989.8449	4005172.6343	18+340.54	227997.9081	4005180.0793	18+362.43	227980.5491	4005166.8007	118.22	21.89	10.975	10.6071	S52° 35' 10.52"W
C525	18+387.28	227959.5011	4005153.5921	18+372.84	227971.7362	4005161.2702	18+398.91	227960.3672	4005139.1733	24.36	26.08	14.445	61.3270	S27° 13' 34.59"W
C526	18+430.56	227962.2648	4005107.5785	18+405.11	227960.7384	4005132.9920	18+444.68	227936.8183	4005106.7725	24.75	39.58	25.459	91.6231	S42° 22' 27.61"W
C527	18+483.88	227897.6367	4005105.5315	18+473.91	227907.6019	4005105.8472	18+492.46	227891.7724	4005097.4684	20.37	18.54	9.970	52.1574	S62° 06' 25.92"W
C528	18+507.31	227883.0377	4005085.4587	18+500.47	227887.0604	4005090.9896	18+512.49	227876.4063	4005087.1316	10.11	12.03	6.839	68.1302	S70° 05' 36.88"W
C529	18+523.53	227865.7103	4005089.8299	18+517.02	227872.0220	4005088.2376	18+529.39	227860.0582	4005086.6011	16.15	12.38	6.509	43.8955	S82° 12' 39.28"W
C530	18+546.84	227844.9103	4005077.9480	18+541.44	227849.5992	4005080.6265	18+552.03	227839.5151	4005077.7213	22.21	10.59	5.400	27.3303	S73° 55' 41.96"W
C531	18+575.11	227816.4600	4005076.7523	18+571.14	227820.4273	4005076.9191	18+578.96	227812.7585	4005078.1898	18.98	7.83	3.971	23.6296	N80° 35' 30.26"W
C532	18+604.45	227789.0053	4005087.4140	18+591.34	227801.2221	4005082.6698	18+614.56	227779.7457	4005078.1394	20.08	23.22	13.106	66.2696	S78° 05' 17.68"W
C533	18+626.67	227771.1888	4005069.5686	18+619.77	227776.0689	4005074.4566	18+633.53	227765.4175	4005065.7738	67.30	13.77	6.907	11.7205	S50° 48' 49.29"W
C534	18+683.85	227723.3758	4005038.1301	18+668.48	227736.2126	4005046.5707	18+697.10	227708.7901	4005042.9560	31.76	28.62	15.363	51.6338	S82° 29' 26.89"W
C535	18+719.76	227687.2760	4005050.0744	18+710.16	227696.3904	4005047.0587	18+728.85	227677.9604	4005047.7536	33.16	18.69	9.600	32.2965	N87° 50' 26.07"W
C536	18+743.28	227663.9605	4005044.2660	18+736.30	227670.7299	4005045.9524	18+749.96	227657.2131	4005046.0382	27.26	13.66	6.976	28.7057	N89° 38' 09.52"W
C537	18+769.95	227637.8878	4005051.1142	18+764.11	227643.5357	4005049.6308	18+775.64	227632.1009	4005050.3326	29.48	11.53	5.839	22.4095	N86° 29' 16.37"W
C538	18+787.13	227620.7115	4005048.7941	18+781.96	227625.8292	4005049.4854	18+792.26	227615.5550	4005049.0756	54.54	10.30	5.164	10.8170	S87° 42' 57.04"W
C539	18+801.36	227606.4741	4005049.5713	18+797.87	227609.9530	4005049.3814	18+804.74	227603.2095	4005048.3542	16.70	6.87	3.484	23.5701	S81° 20' 21.43"W
C540	18+825.02	227584.2111	4005041.2715	18+817.86	227590.9186	4005043.7721	18+831.34	227577.8528	4005044.5600	16.16	13.48	7.158	47.7933	N86° 32' 56.68"W
C541	18+887.81	227527.6882	4005070.5047	18+856.53	227555.4777	4005056.1322	18+872.65	227548.4638	4005047.1123	5.81	16.12	31.286	158.9571	S37° 52' 08.52"W
C542	18+888.35	227558.8893	4005035.3737	18+881.85	227554.5780	4005040.2280	18+893.59	227556.7429	4005029.2464	11.04	11.74	6.492	60.9150	S11° 09' 07.24"E
C543	18+933.96	227543.3982	4004991.1516	18+925.92	227546.0561	4004998.7391	18+941.69	227537.5573	4004985.6271	33.12	15.77	8.040	27.2889	S32° 56' 59.91"W
C544	18+960.46	227523.9184	4004972.7269	18+948.61	227532.5331	4004980.8750	18+972.31	227515.9386	4004963.9559	315.93	23.70	11.858	4.2989	S44° 26' 42.02"W
C545	19+009.85	227490.6793	4004936.1920	19+002.92	227495.3393	4004941.3140	19+016.26	227483.8550	4004935.0176	20.14	13.34	6.925	37.9406	S61° 15' 57.01"W
C546	19+032.65	227467.7071	4004932.2389	19+026.55	227473.7171	4004933.2731	19+038.60	227462.5118	4004929.0454	31.65	12.05	6.098	21.8145	S69° 19' 43.92"W
C547	19+071.00	227434.9062	4004912.0767	19+057.47	227446.4309	4004919.1607	19+084.07	227421.4493	4004910.6919	59.30	26.60	13.528	25.7031	S71° 16' 23.34"W
C548	19+109.95	227395.7115	4004908.0433	19+103.12	227402.5036	4004908.7423	19+116.71	227388.9503	4004908.9970	56.00	13.59	6.828	13.9036	N88° 55' 24.74"W
C549	19+127.64	227378.1232	4004910.5240	19+121.45	227384.2527	4004909.6595	19+132.78	227374.1022	4004905.8177	11.28	11.32	6.190	57.5181	S69° 16' 09.07"W
C550	19+138.61	227370.3101	4004901.3793	19+135.84	227372.1127	4004903.4892	19+141.26	227367.6908	4004900.4628	10.28	5.42	2.775	30.2038	S55° 36' 43.26"W
C551	19+151.33	227358.1807	4004897.1350	19+146.62	227362.6325	4004898.6928	19+155.70	227355.6401	4004893.1612	13.65	9.08	4.717	38.1215	S51° 39' 11.46"W
C552	19+173.78	227345.9036	4004877.9322	19+166.65	227349.7414	4004883.9350	19+180.80	227340.4933	4004873.2962	48.21	14.15	7.125	16.8149	S40° 59' 59.72"W
C553	19+210.71	227317.7829	4004853.8361	19+201.65	227324.6587	4004859.7278	19+219.44	227309.0109	4004851.5912	38.85	17.79	9.055	26.2374	S62° 31' 33.84"W
C554	19+251.79	227277.6776	4004843.5722	19+245.69	227283.5857	4004845.0842	19+257.86	227272.0475	4004841.2283	84.58	12.18	6.099	8.2478	S71° 31' 15.06"W
C555	19+285.61	227246.4285	4004830.5625	19+277.51	227253.9126	4004833.6783	19+293.17	227238.5622	4004832.5223	24.52	15.66	8.107	36.5923	S85° 41' 35.19"W
C556	19+307.78	227224.3829	4004836.0547	19+303.23	227228.7948	4004834.9556	19+311.67	227222.6106	4004840.2418	9.11	8.43	4.547	53.0691	N49° 28' 34.36"W
C557	19+320.13	227219.3125	4004848.0337	19+316.70	227220.6478	4004844.8791	19+323.44	227216.7343	4004850.2892	14.91	6.73	3.426	25.8773	N35° 52' 49.25"W
C558	19+347.25	227198.8124	4004865.9682	19+342.55	227202.3473	4004862.8757	19+351.92	227194.8277	4004868.4543	58.25	9.37	4.697	9.2201	N53° 25' 44.55"W
C559	19+375.53	227174.7992	4004880.9505	19+369.33	227180.0575	4004877.6697	19+381.57	227171.1663	4004885.9720	31.66	12.24	6.198	22.1543	N46° 57' 42.92"W
C560	19+398.13	227161.4606	4004899.3875	19+387.39	227167.7575	4004890.6837	19+407.98	227151.0271	4004901.9471	29.25	20.59	10.743	40.3310	N56° 03' 00.91"W


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



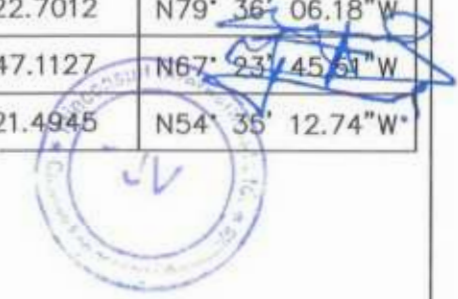





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 56835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:	
		a	AUG. 2024	Tender Drawings	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	IMRAN TARIO			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG. 2024	
			APPROVED	AGEEL YOUNIS	DWG NO: CEC/KP-RRDP/HW/RRD_UCH_NR1/HCD/N					


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C561	19+438.70	227121.1950	4004909.2659	19+425.84	227133.6845	4004906.2018	19+451.15	227108.5845	4004906.7454	57.80	25.31	12.860	25.0873	N88° 45' 33.68"W
C562	19+467.61	227092.4417	4004903.5189	19+455.74	227104.0753	4004905.8441	19+479.06	227080.9773	4004906.5708	50.96	23.31	11.864	26.2098	N88° 11' 53.14"W
C563	19+530.67	227031.1005	4004919.8483	19+523.30	227038.2214	4004917.9527	19+537.87	227025.1660	4004924.2167	38.91	14.57	7.369	21.4503	N64° 22' 04.98"W
C564	19+571.36	226998.1925	4004944.0722	19+567.53	227001.2730	4004941.8046	19+575.01	226994.3947	4004944.5283	14.52	7.48	3.825	29.5079	N68° 23' 48.56"W
C565	19+583.12	226986.3432	4004945.4954	19+579.34	226990.0980	4004945.0444	19+586.68	226983.4865	4004947.9735	12.33	7.34	3.782	34.0909	N66° 06' 19.04"W
C566	19+596.72	226975.9011	4004954.5535	19+592.23	226979.2943	4004951.6101	19+601.02	226971.4991	4004955.4473	17.08	8.78	4.492	29.4623	N63° 47' 27.57"W
C567	19+624.41	226948.5770	4004960.1016	19+619.44	226953.4457	4004959.1130	19+629.33	226944.0570	4004962.1632	43.47	9.89	4.968	13.0394	N72° 00' 08.86"W
C568	19+651.12	226924.2343	4004971.2041	19+643.45	226931.2090	4004968.0230	19+658.50	226916.5754	4004970.8753	31.96	15.05	7.666	26.9757	N78° 58' 14.28"W
C569	19+668.47	226906.6120	4004970.4475	19+662.93	226912.1490	4004970.6852	19+674.00	226901.0921	4004970.9430	83.57	11.07	5.542	7.5886	N88° 39' 51.21"W
C570	19+715.07	226860.1875	4004974.6153	19+699.46	226875.7334	4004973.2196	19+729.18	226849.8058	4004986.2704	39.45	29.73	15.608	43.1771	N63° 16' 53.02"W
C571	19+770.98	226822.0086	4005017.4771	19+754.62	226832.8841	4005005.2677	19+787.25	226809.2945	4005027.7580	200.00	32.63	16.351	9.3475	N46° 21' 59.72"W
C572	19+815.26	226787.5146	4005045.3696	19+807.70	226793.3957	4005040.6141	19+822.76	226780.7036	4005048.6580	65.42	15.06	7.563	13.1887	N57° 38' 04.92"W
C573	19+844.93	226760.7376	4005058.2974	19+838.66	226766.3804	4005055.5731	19+851.07	226754.5042	4005058.9351	35.66	12.41	6.266	19.9301	N74° 11' 38.84"W
C574	19+884.23	226721.5161	4005062.3096	19+871.57	226734.1060	4005061.0217	19+894.44	226716.5619	4005073.9553	21.44	22.86	12.656	61.1138	N53° 36' 08.18"W
C575	19+914.08	226708.8750	4005092.0247	19+906.77	226711.7337	4005085.3047	19+920.61	226702.0921	4005094.7306	17.54	13.84	7.303	45.2057	N45° 38' 53.63"W
C576	19+935.94	226687.8597	4005100.4084	19+928.91	226694.3855	4005097.8051	19+942.78	226680.8348	4005100.2917	35.00	13.87	7.026	22.7012	N79° 36' 06.18"W
C577	19+957.43	226666.1801	4005100.0481	19+948.33	226675.2857	4005100.1994	19+965.50	226659.8723	4005106.6167	20.89	17.18	9.107	47.1127	N67° 23' 45.61"W
C578	19+981.37	226648.8841	4005118.0592	19+975.20	226653.1568	4005113.6098	19+987.39	226643.2782	4005120.6336	32.50	12.19	6.169	21.4945	N54° 35' 12.74"W



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 56835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		a	AUG. 2024	Tender Drawings	G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	RRD_UCH_NR1 OVEER ROAD CHITRAL	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO: CEC/KP-RRDP/RW/RRD_UCH_NR1_HCD/D
		b			DRAWN	IMRAN TARIO				DATE:	
		c			CHECKED	SHAHZAD DURRANI				AUG. 2024	
			APPROVED	AQEEL YOUNIS							


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

LIST OF BENCH MARKS




KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT(KP-RRDP)

RRD_UCH_NR-1

SNO	EASTING	NORTHING	ELEVATION	BENCHMARKS
1	4004038.228	237752.061	1833.293	V1
2	4004102.567	237711.871	1833.186	V2
3	4004198.681	237128.622	1903.021	V3
4	4005596.051	230962.861	2378.835	BS2
5	4005592.617	230967.234	2379.152	BS3
6	4004329.495	237301.032	1937.233	V4
7	4004631.928	236949.668	2019.435	V5
8	4004384.333	236722.11	2073.131	V6
9	4004068.374	236134.099	2146.789	V7
10	4003860.531	235355.279	2204.886	V8
11	4004175.73	234929.249	2202.096	V9
12	4004439.418	234485.018	2230.104	V10
13	4004263.369	233989.026	2209.958	V11
14	4003922.86	233392.139	2192.97	V12
15	4003772.866	233018.037	2200.675	V13
16	4004074.394	232620.645	2219.64	V14
17	4004405.97	232424.017	2307.538	V15
18	4004919.234	232066.987	2376.76	V16
19	4005100.205	231765.585	2391.948	V17
20	4005476.64	231392.131	2383.354	V18
21	4005629.202	230976.325	2380.077	V19
22	4005942.649	230454.399	2447.398	V20
23	4006217.018	230150.631	2515.059	V21
24	4006494.102	229796.068	2550.361	V22
25	4006757.052	229562.621	2613.773	V23
26	4007001.52	229262.543	2748.09	V24
27	4007173.267	229102.514	2834.054	V25
28	4006853.182	228918.78	2922.733	V26
29	4006443.975	228870.181	3002.362	V27
30	4006257.952	228742.27	2984.192	V28
31	4006422.963	228307.996	2962.935	V29
32	4006048.228	228249.429	3022.782	V30
33	4005578.494	228196.084	3046.172	V31
34	4005151.433	227960.789	3081.65	V32
35	4005052.426	227539.144	3097.629	V33
36	4004837.513	227224.246	3141.192	V34
37	4004977.294	226900.882	3164.934	V35

Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Handwritten Signature]



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 5835 P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: RRD_UCH_NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT:	
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED			AAMIR KHAN	N.T.S	LIST OF BENCH MARKS
		a			DRAWN			ISRAFI TARIQ	DATE:	
		b			CHECKED			SHAHZAD DURRANI	AUG, 2024	
		c			APPROVED			AQEEL YOUSUF	DWG NO: CEC/KP-RRDP/RRD_UCH_NR1	
									BM: 01	



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Pesitawar.

LIST OF CULVERTS & CAUSEWAYS



**KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)
(RRD_UCH-NR-01)**


LIST OF CULVERT

S. No.	Location (Km)	Type of Structure	Existing Structures		INVERT LEVEL	Proposed / Recommended						Remarks
			No of Cells / Spans	Size (W x H) (m)		Replaced			New			
						No. of Cells	Type	Size W x H (m)	No. of Cells	Type	Size W x H (m)	
1	0+123			1850.511					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
2	0+175			1857.5					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
3	1+425			1881.54					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
4	1+650			2009.6					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
5	1+775			2024.51					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
6	1+825			2029.84					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
7	2+020			2048.56					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
8	2+125-2+150								1	CAUSEWAY	25M	PROPOSED CAUSEWAY
9	2+410			2090.95					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
10	2+490			2099.58					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
11	2+800-2+825								1	CAUSEWAY	25M	PROPOSED CAUSEWAY
12	3+125			2141.34					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
13	3+419			2165.045					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
14	3540-3570								1	CAUSEWAY	20M	PROPOSED CAUSEWAY
15	3+665			2172.21					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
16	4+350			2185.99					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
17	4+650			2188.37					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
18	5+225-5+250									CAUSEWAY	25M	PROPOSED CAUSEWAY
19	5+300-5+430									CAUSEWAY	40M	PROPOSED CAUSEWAY
20	5+680-5+710									CAUSEWAY	48M	PROPOSED CAUSEWAY
21	6+050			2208.59						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
22	6+425			2182.13					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
23	7075-7127									CAUSEWAY	50m	PROPOSED CAUSEWAY
24	7445-7500									CAUSEWAY	55M	PROPOSED CAUSEWAY
25	8+525			2226.39					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
26	7+850			2227.85						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
27	8+000			2245.97						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
28	8+200			2274.35						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
29	8+825			2304.2					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
30	8+500			2304.2						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
31	9+350			2376.31						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
32	9+300			2376.32						SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
33	9+875			2406.3					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
34	10+200			2380.59					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
35	10+300-10+325	EXISTING BRIDGE					BRIDGE REPLACED			BRIDGE REPLACED		BRIDGE REPLACED
36	10+650			2370					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
37	10+800-10+825	EXISTING BRIDGE					BRIDGE REPLACED			BRIDGE REPLACED		BRIDGE REPLACED
38	12+100			2514.52					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
39	12+358			2523.39					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
40	12+525			2532.7					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
41	12+775			2549.88					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
42	12+950			2565.16					3	SLAB CULVERT	4X4	PROPOSED CULVERT
43	13+275			2610.65					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
44	13+950			2725.89					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
45	14+000			2734.43					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
46	14+075			2742.37					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
47	14+425			2794.64					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
48	14+800-14+825									CAUSEWAY	25M	PROPOSED CAUSEWAY
49	14+875			2778.8					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
50	15+075			2888.446					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
51	15+430			2925.22					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
52	15+500			2986.04						CAUSEWAY	20M	PROPOSED CAUSEWAY
53	15+700-15+715									CAUSEWAY	15M	PROPOSED CAUSEWAY
54	15+800			2996.64					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
55	15+900			2988.78						CAUSEWAY	15M	PROPOSED CAUSEWAY
56	16+075			2969.03					1	SLAB CULVERT	1.5x1.5	PROPOSED CULVERT
57	19+085									CAUSEWAY	15M	PROPOSED CAUSEWAY
58	16+538-16+590									CAUSEWAY	25M	PROPOSED CAUSEWAY
59	16+890			2980.844					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
60	17+100			3022.337					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
61	17+275			3030.46					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
62	17+575			3041.54					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
63	17+725			3044.64					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
64	17+750			3045.01					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
65	17+895			3051.349					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
66	18+000			3059.64					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
67	18+250			3070.399					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
68	18+400			3076.85					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
69	18+525			3080.17					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
70	19710			3159.36					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT


 Project Director (FIS)
 Provincial Roads Improvement Project
 C&W Department Peshawar.





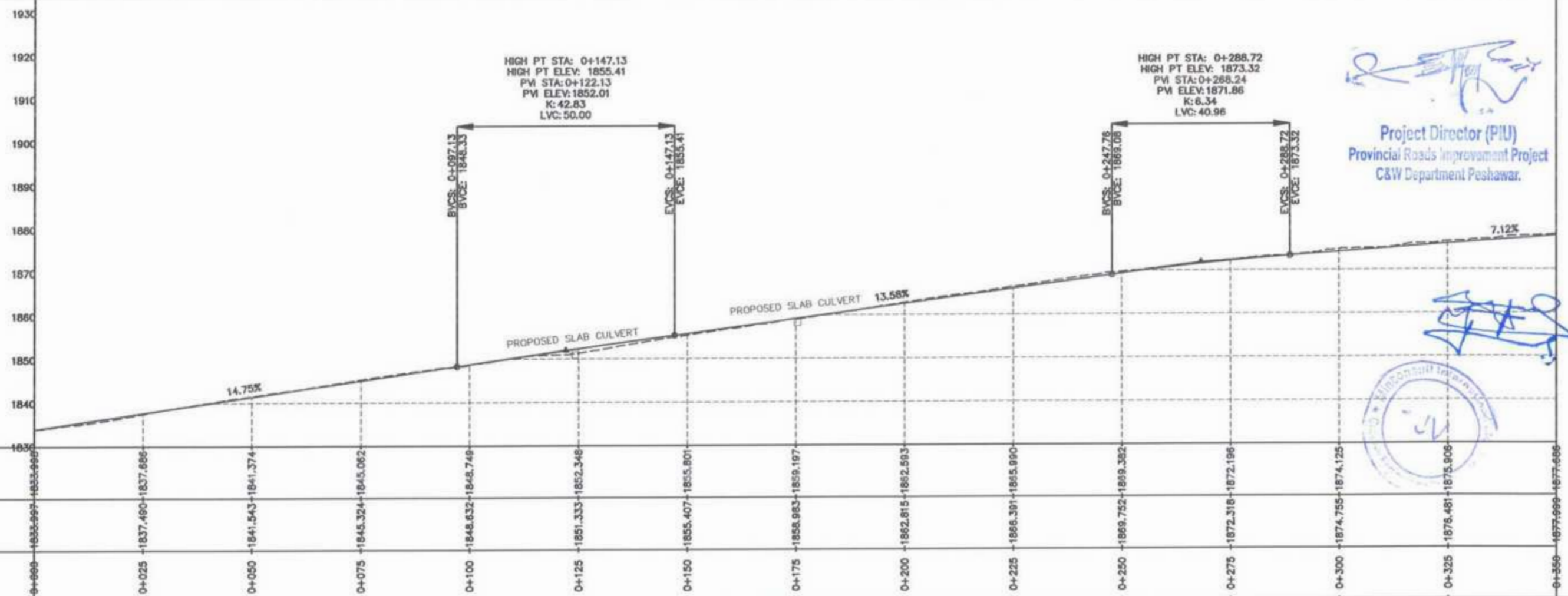
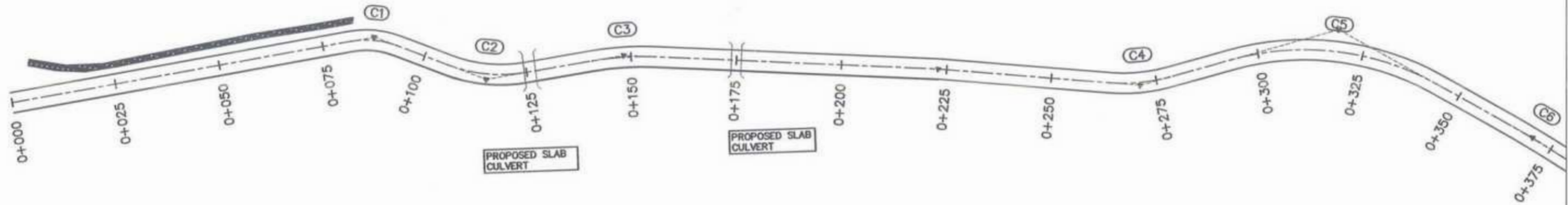
CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)  MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: RRD_UCH_NR1 OVEER ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: LIST OF CULVERT
		0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED			AAMIR KHAN	
		a			DRAWN			IMRAN TARIQ	
		b			CHECKED			SHAHZAD DURRANI	
		c			APPROVED			ADEEL YOUNIS	
								DATE:	AUG. 2024.
								DWG NO. CEC/KP-RRDP/RRD_UCH_NR1/ SI - 01	

PLAN & PROFILE DRAWINGS






Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

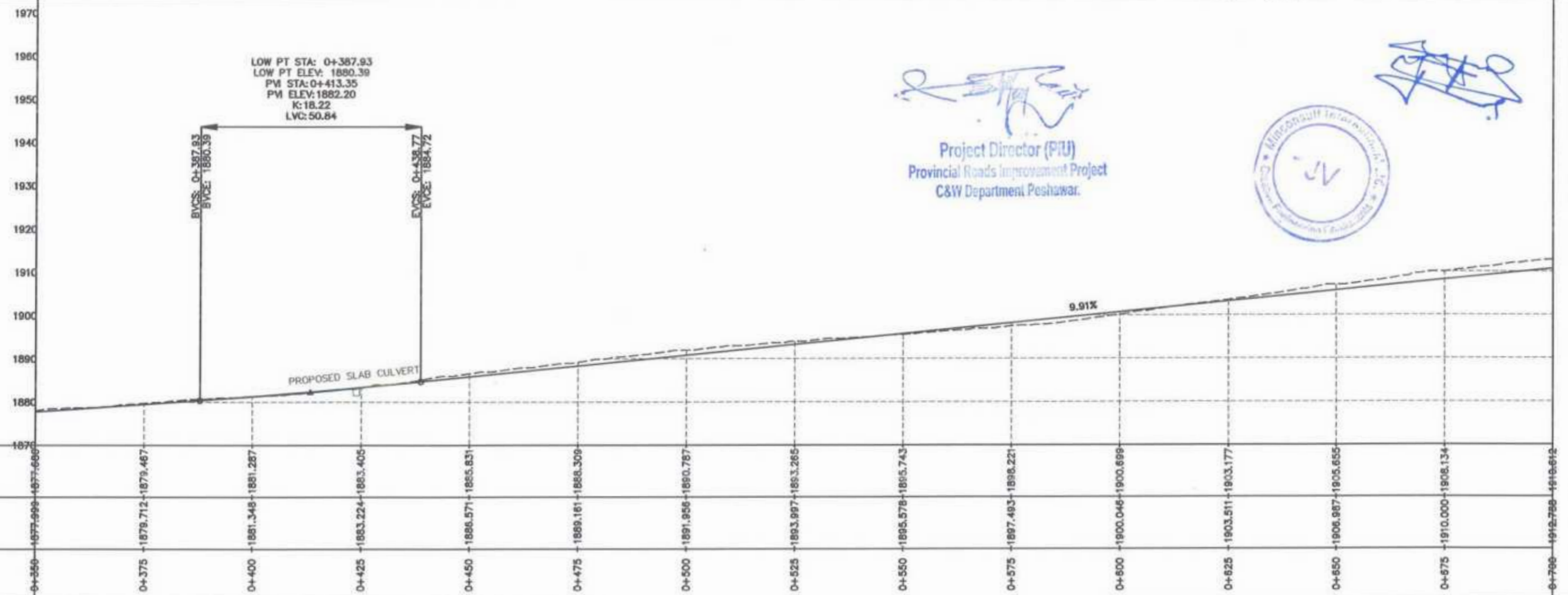
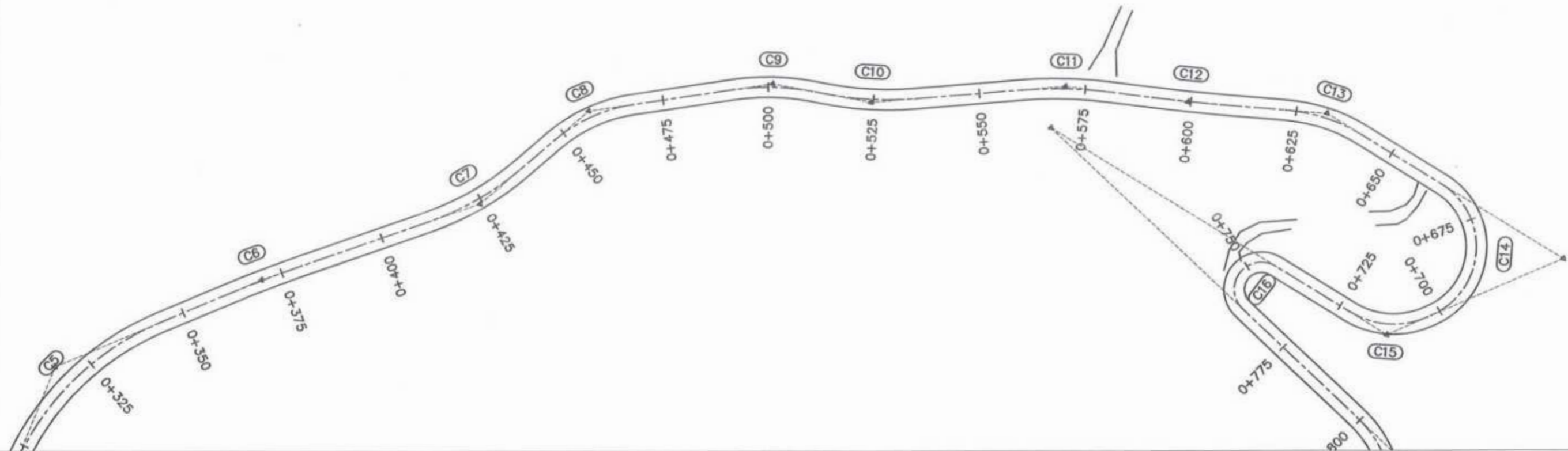





 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



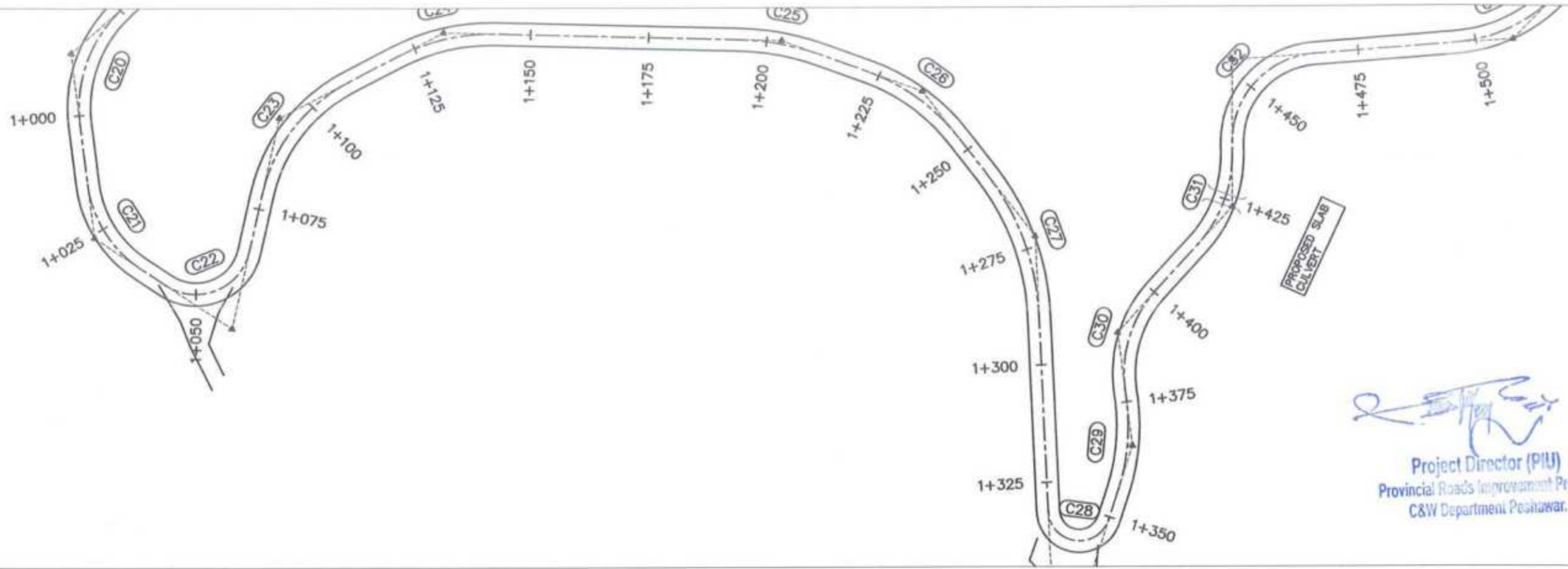
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)  MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024		G.DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEREAD ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000 AUG. 2024	PLAN & PROFILE 0+000.00 - 0+350.00
		e			DRAWN	MOIZ UR RAHMAN							
		b			CHECKED	S.DURRANI							
				ADEEL YOUSAF									



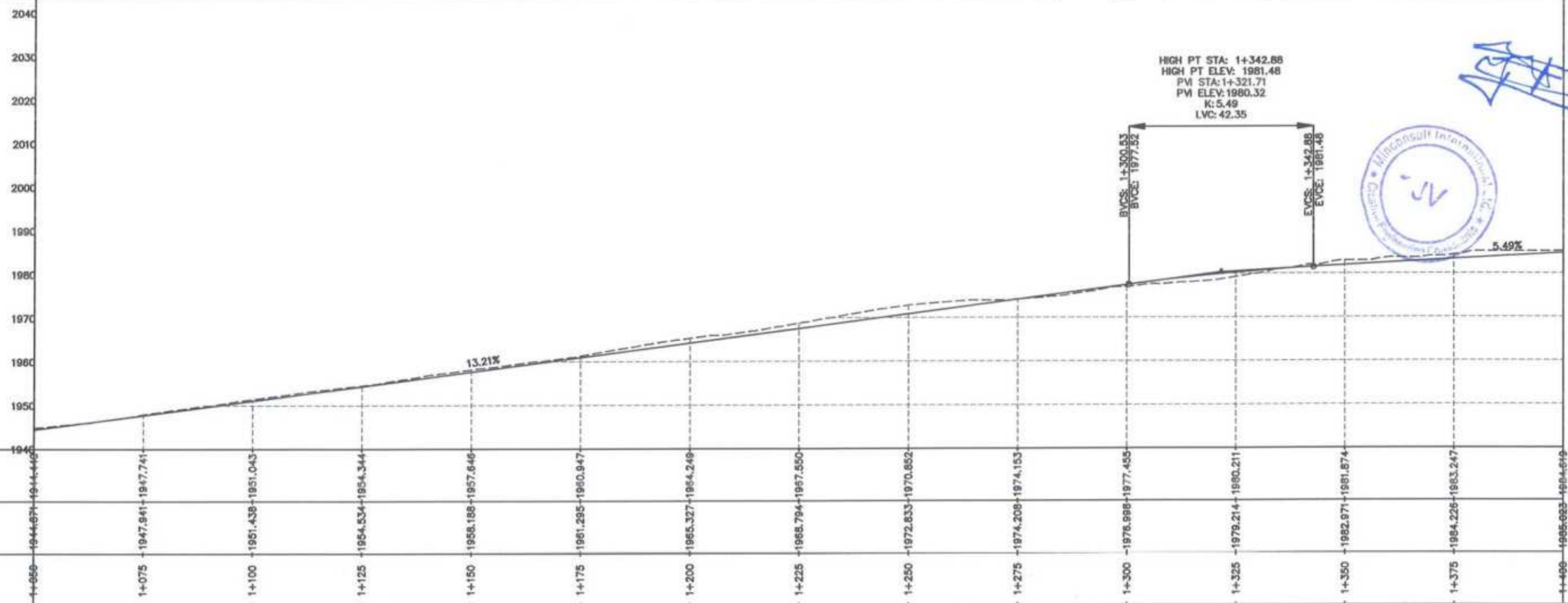
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.






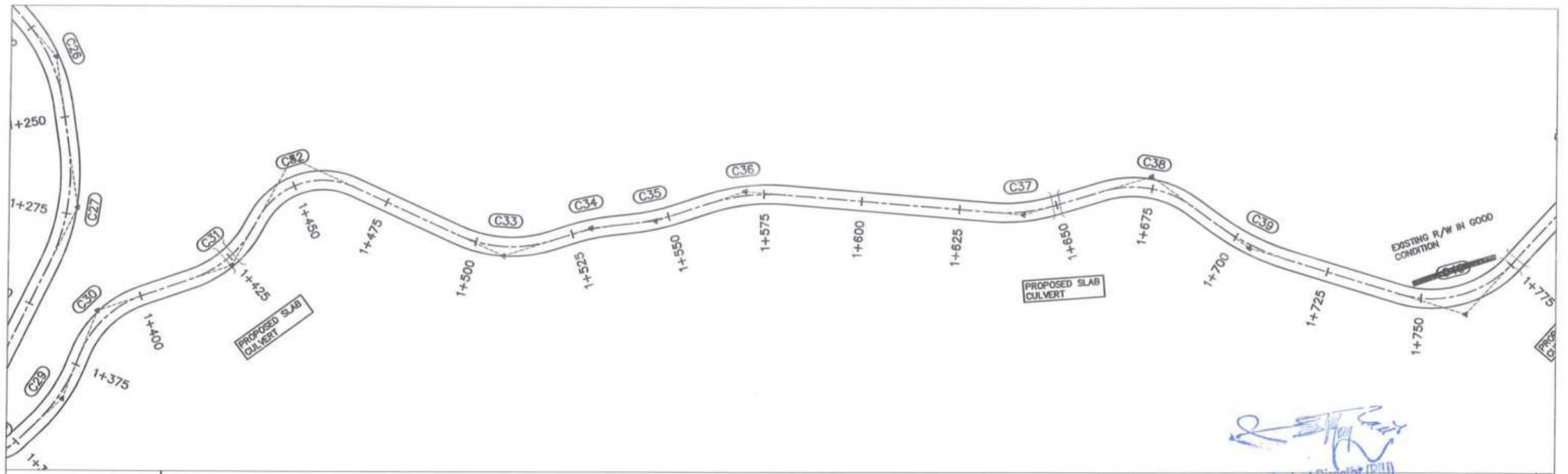
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0 DATE: AUG, 2024 DESCRIPTION: NAMES: G. DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S. DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG.	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 0+350.00 - 0+700.00
--	---	--	--	--	---



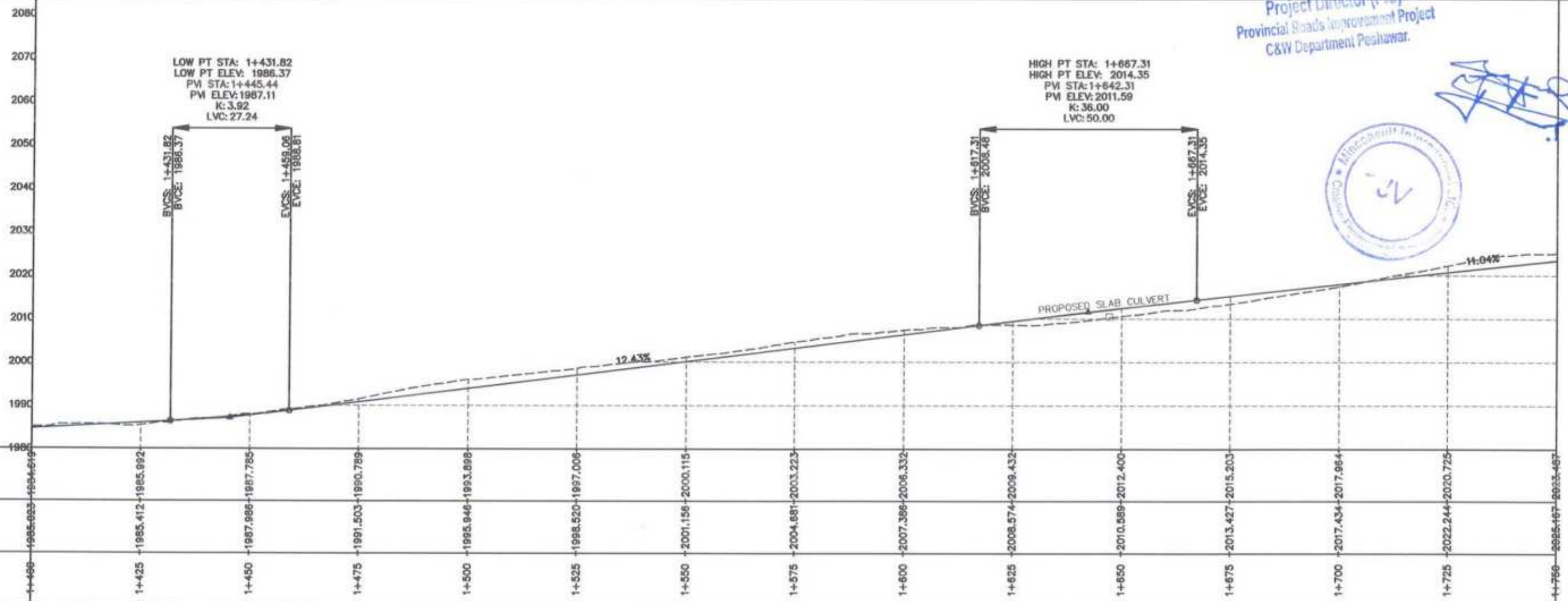

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



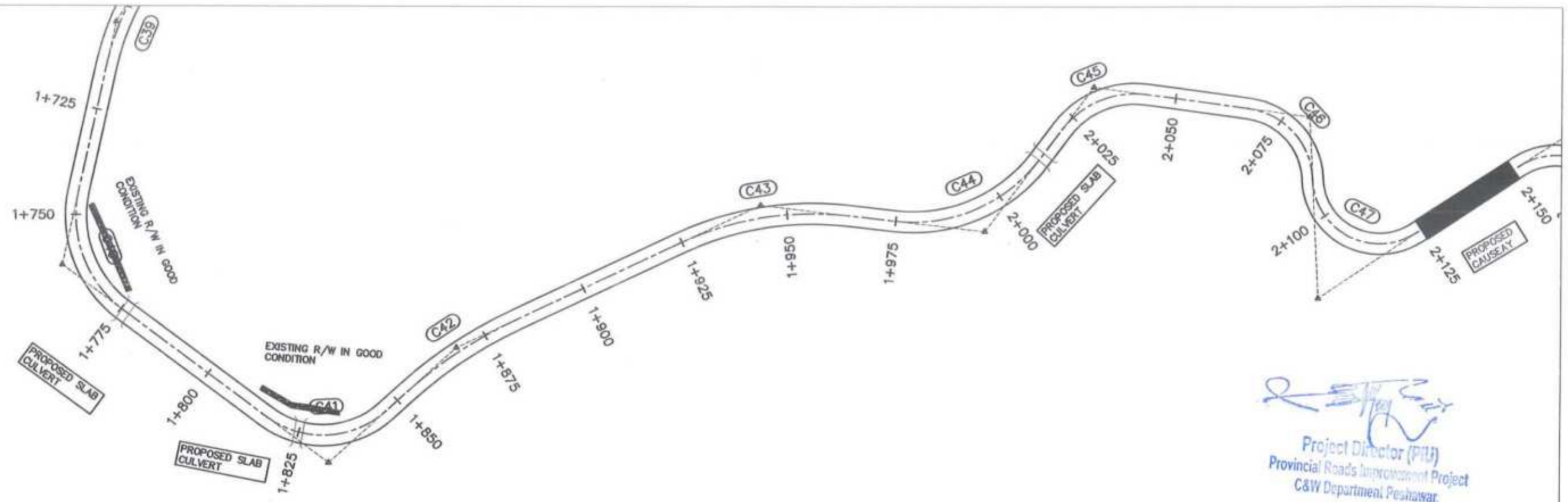
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV 0 1 2	DATE AUG 2024	DESCRIPTION	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S.DURRANI APPROVED: ADEEL YOUSUF	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG, 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 1+050.00 - 1+400.00
	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)							



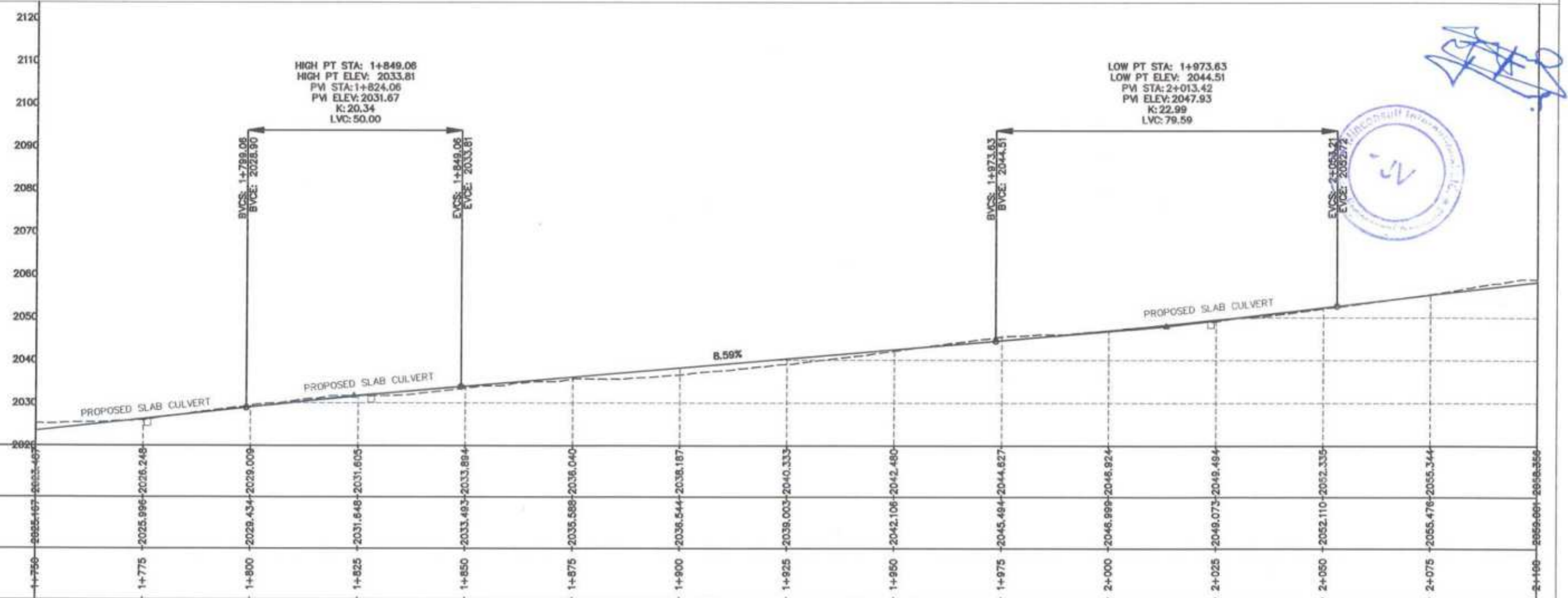
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



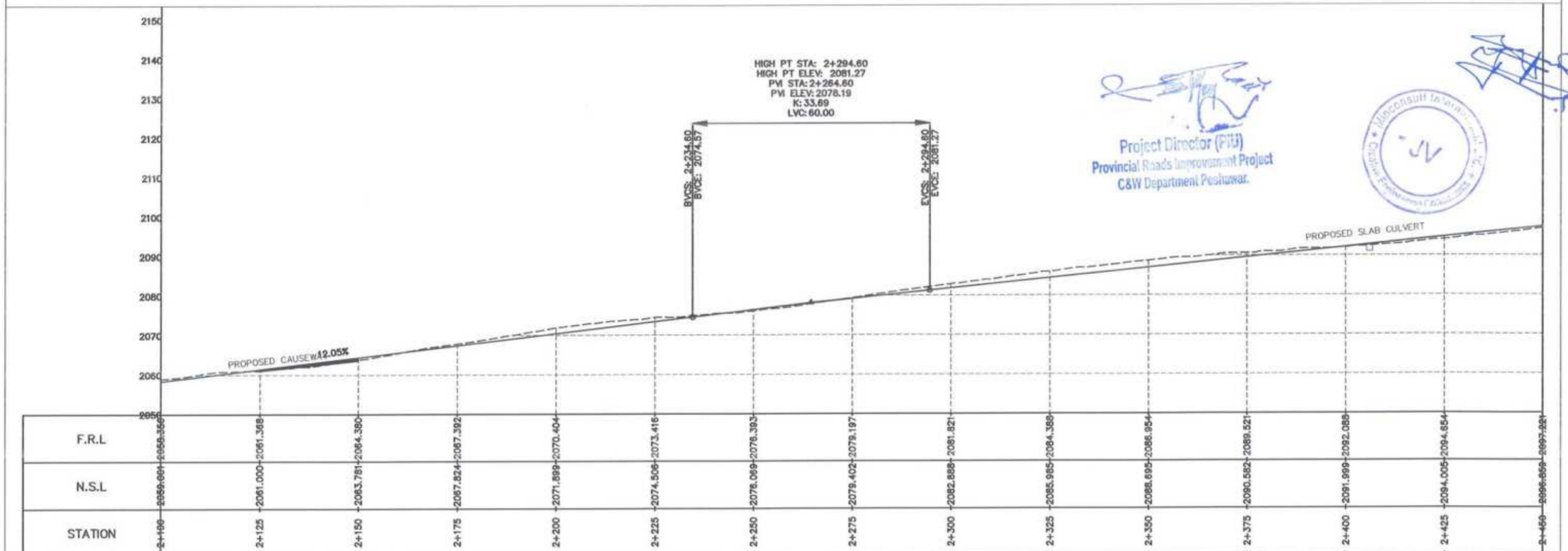
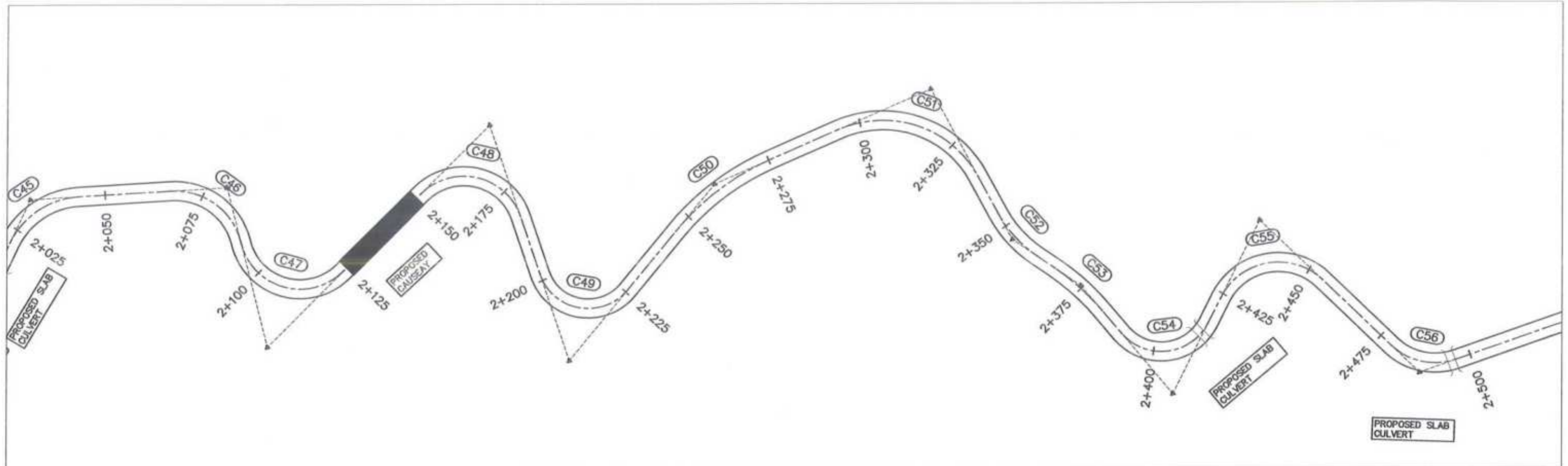
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b -	DATE AUG. 2024	DESCRIPTION	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S.DURRANI APPROVED: AQUEEL YOUSUF	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG.	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 1+400.00 - 1+750.00
--	---	-------------------------	----------------------	-------------	--	--	--	---



[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.






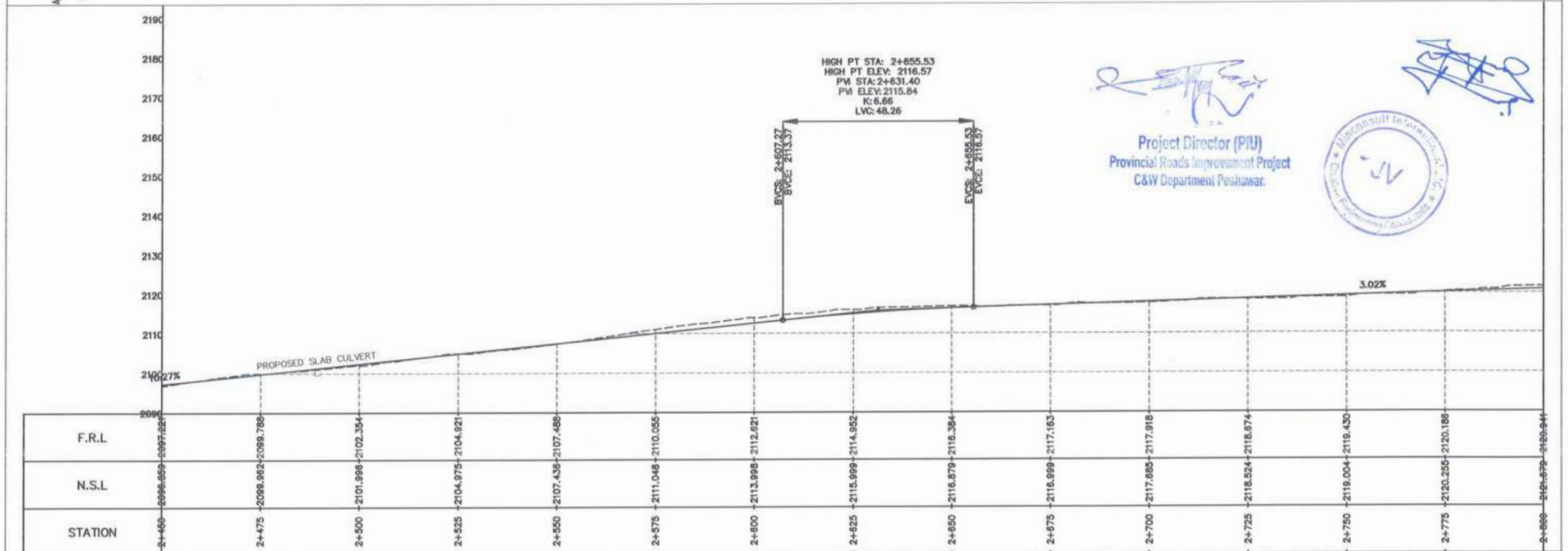
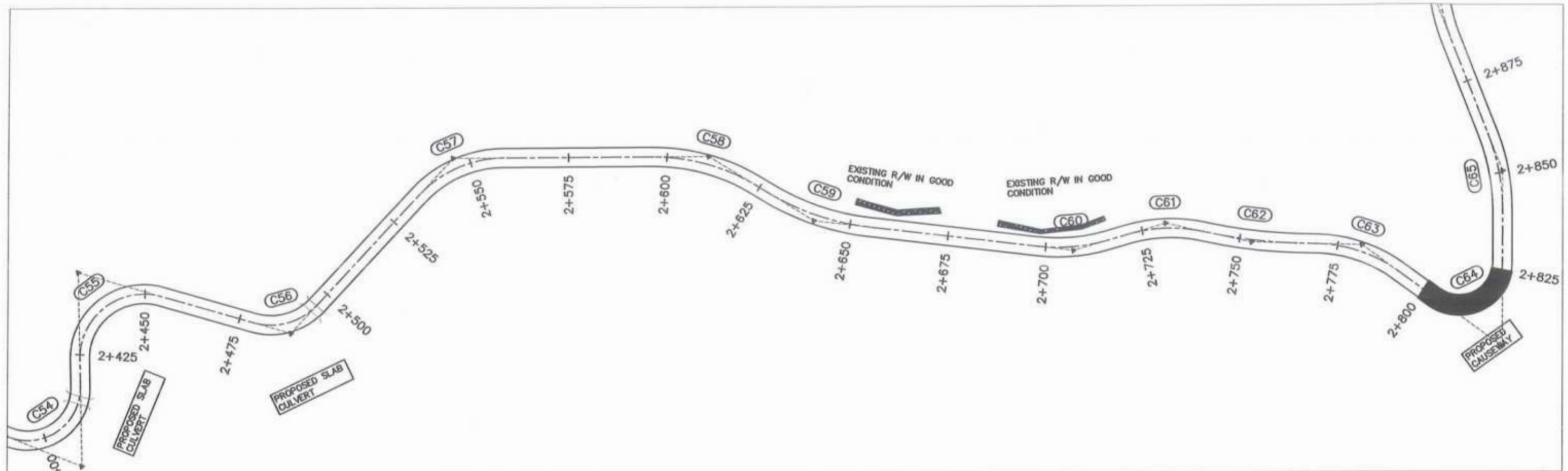
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0	DATE: AUG. 2024	DESCRIPTION:	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 SHEET CONTENT: UCH-NR1 OVERER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 1+750.00 - 2+100.00
		0			G.DESIGNED: AMIR KHAN		
		a			DRAWN: MOIZ UR RAHMAN		
		b			CHECKED: S.DURRANI		
					APPROVED: AQEEL YOUSUF		




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.






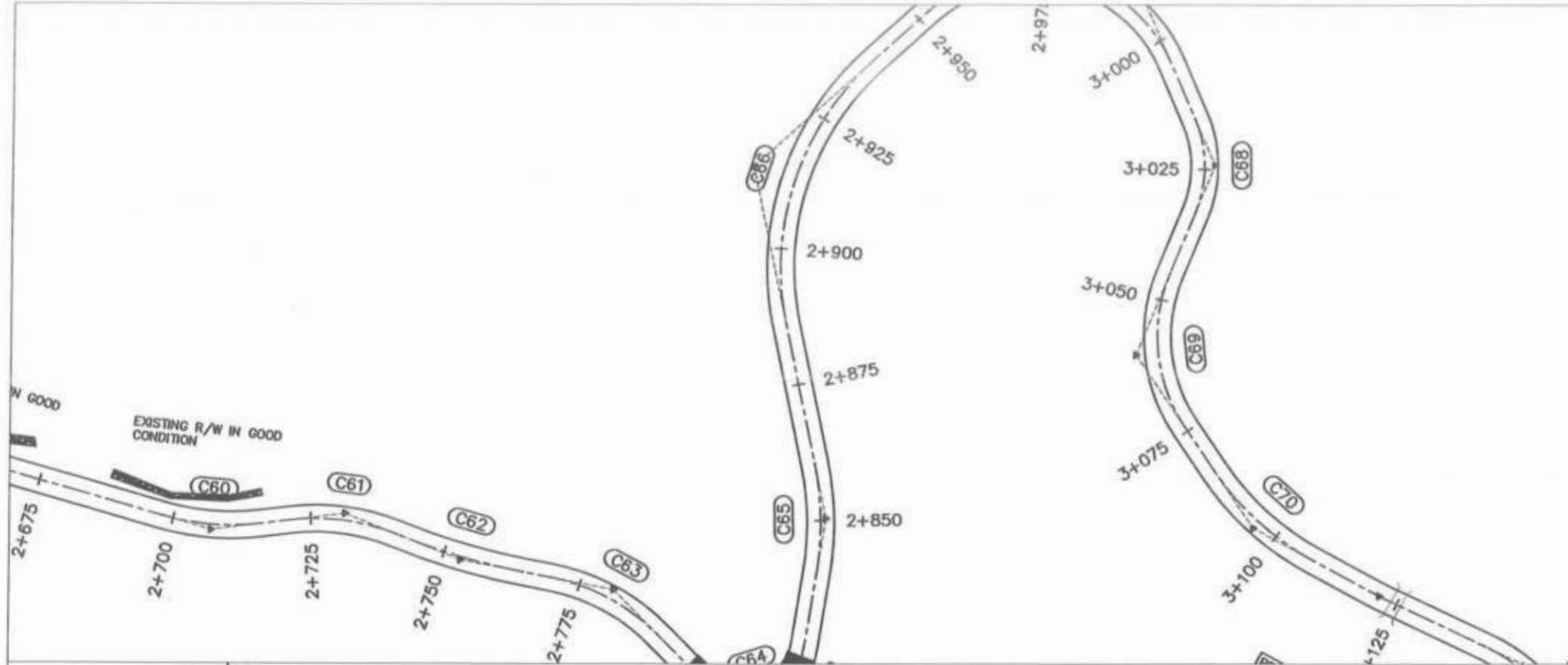
CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:  MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	(MIN - JV - CEC)	REV. DATE DESCRIPTION 0 AUG. 2024 a b c	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S. DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 2+100.00 - 2+450.00 DWG NO. CEC/RRDP/RW/UCH-NR1/7
--	---	------------------	---	---	--	---	--




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

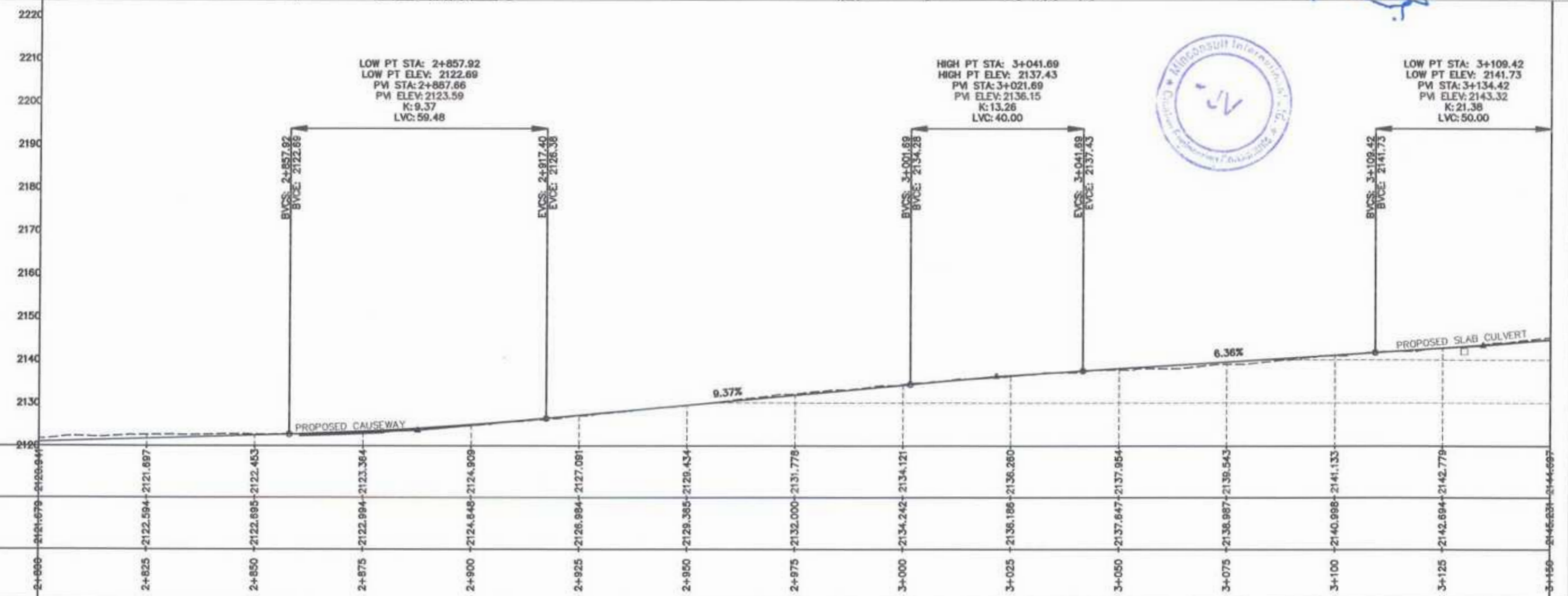


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024		G. DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000	PLAN & PROFILE 2+450.00 - 2+800.00
		1			DRAWN	MOJIB UR RAHMAN		
		2			CHECKED	S. DURRANI	FLOOD EFFECTED ROAD	
		3			APPROVED	AQEEL YOUNIS		DWG NO. CEC/RRDP/HW/UCH-NR1/8






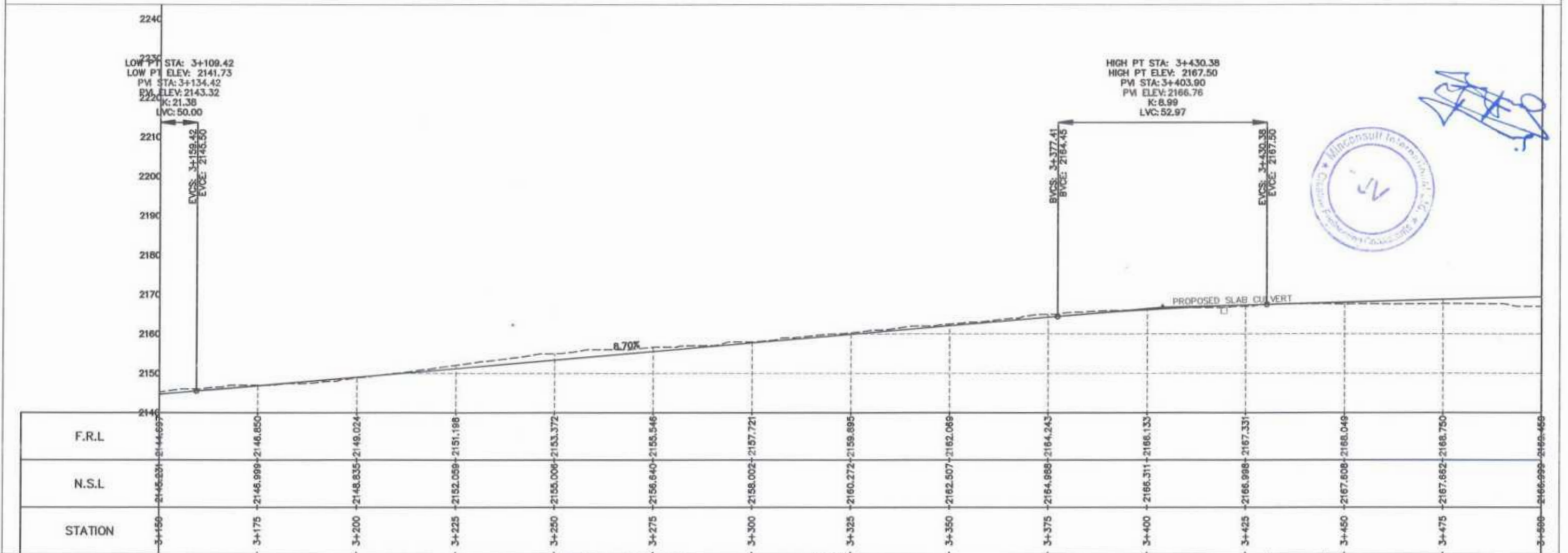
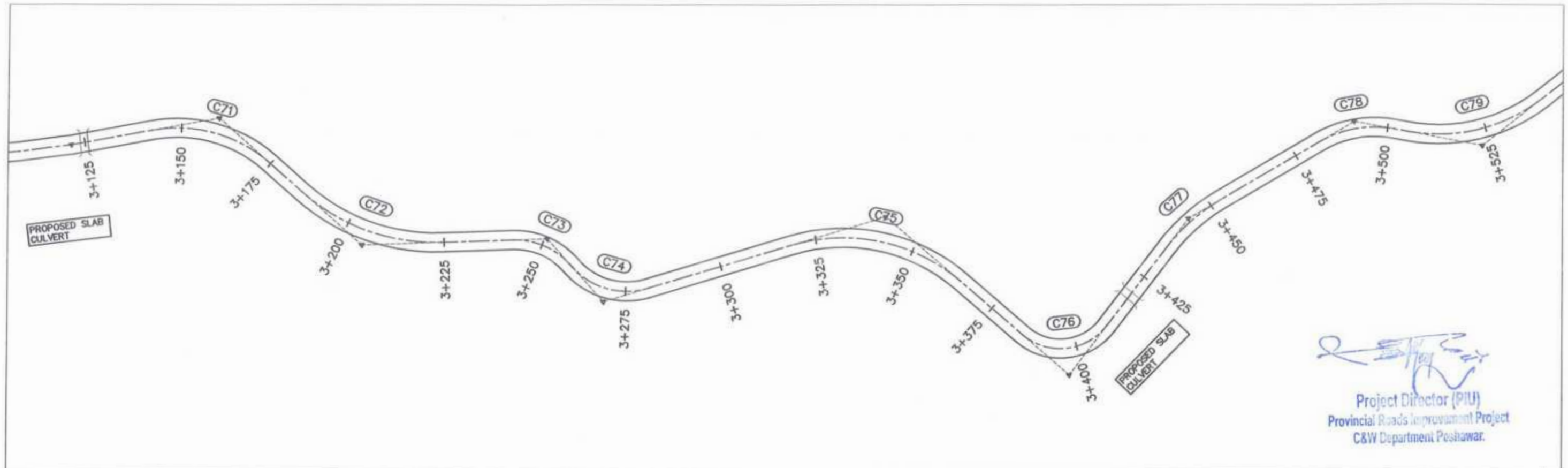

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Handwritten signature]

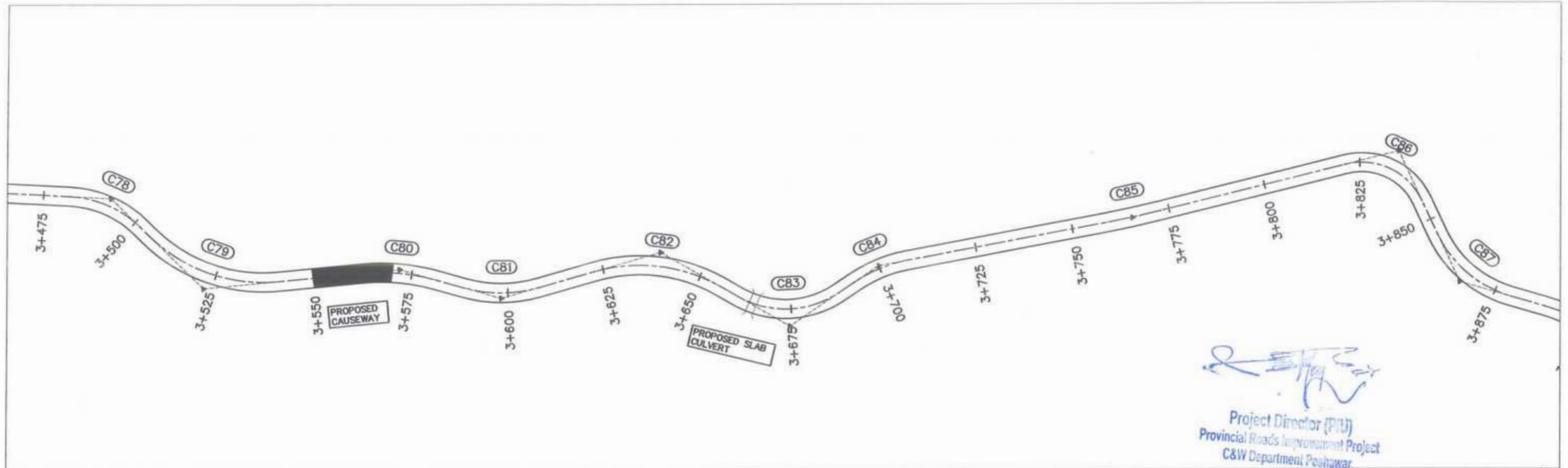


F.R.L	2120.000	2121.697	2122.453	2123.364	2124.909	2127.091	2129.434	2132.000	2131.778	2134.121	2136.260	2137.954	2139.543	2140.998	2141.133	2142.779	2144.697
N.S.L	2121.079	2122.594	2122.895	2123.364	2124.848	2126.984	2129.434	2132.000	2134.242	2136.186	2137.647	2139.543	2140.998	2142.594	2142.779	2144.697	
STATION	2+675	2+825	2+850	2+875	2+900	2+925	2+950	2+975	3+000	3+025	3+050	3+075	3+100	3+125	3+150		

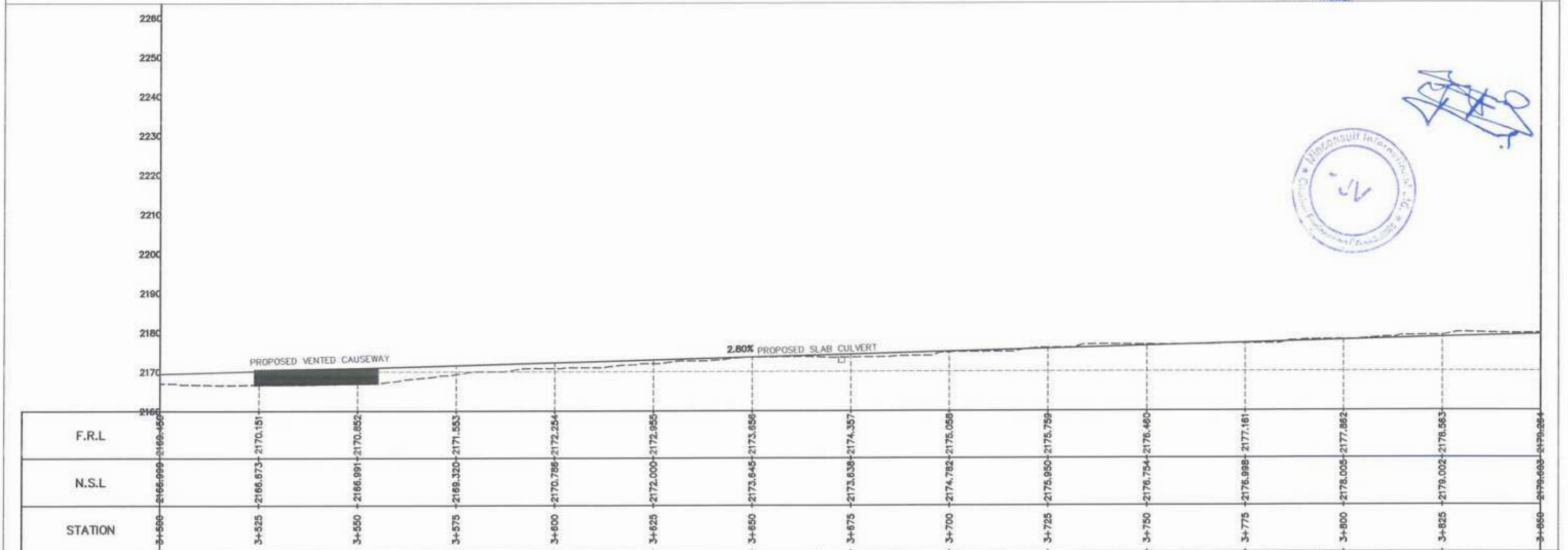
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
		a			DRAWN	MOIZ UR RAHMAN			
		b			CHECKED	S. DURRANI			
c			APPROVED	AQEEL YOUNIS					
AUG. 2024 PLAN & PROFILE 2+800.00 - 3+150.00 DWG NO. CEC/RRDP/HW/UCH-NR1/9									



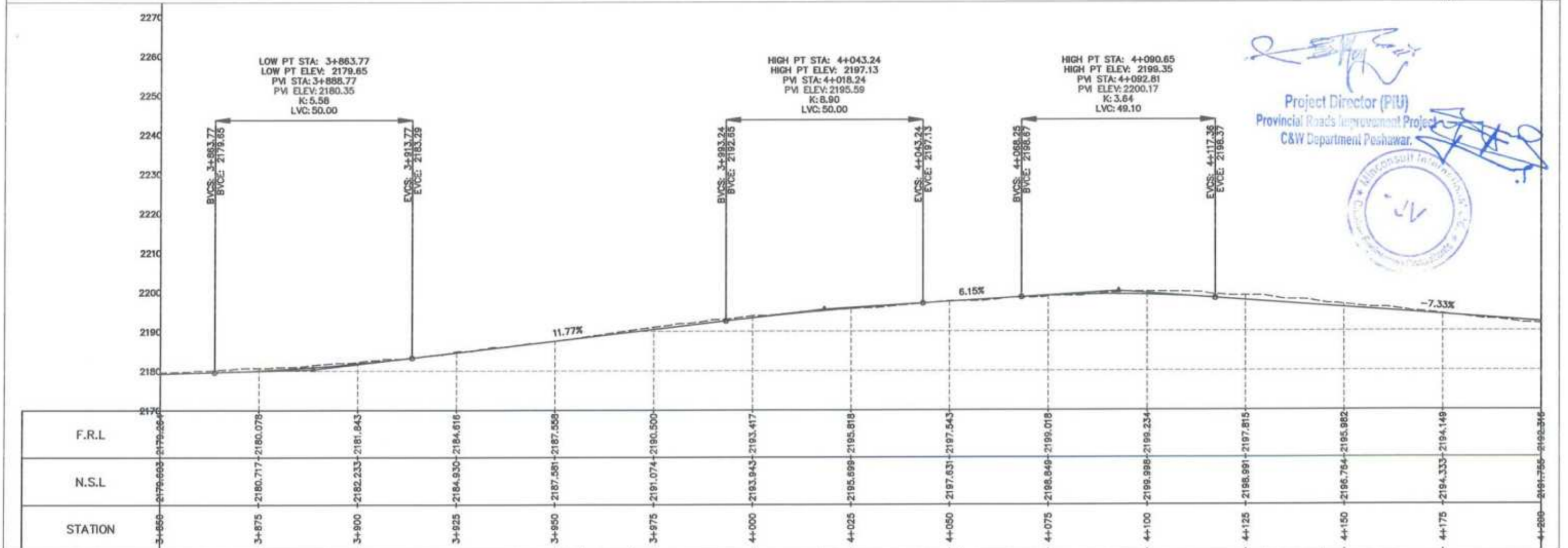
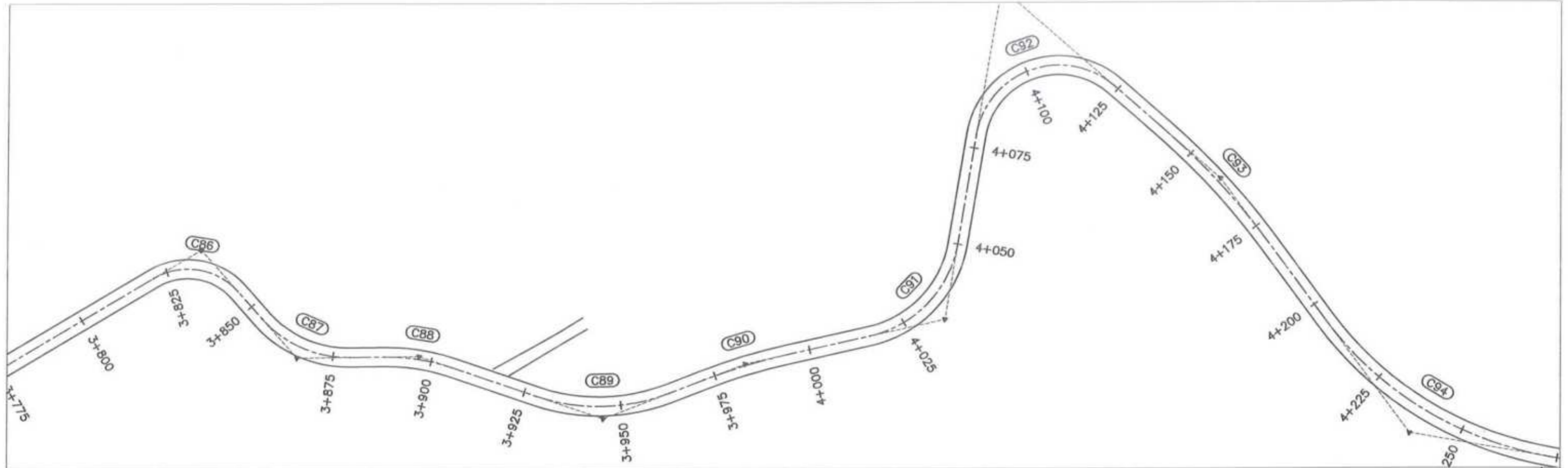
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 3+150.00 - 3+500.00 DWG NO.CECRRDP/HRW/UCH-NR1/10	
		0	AUG. 2024		G DESIGNED				AAMIR KHAN
		a			DRAWN				MOIZ UR RAHMAN
		b			CHECKED				S.DURRANI
			c			APPROVED	AGEEL YOUNIS		



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar

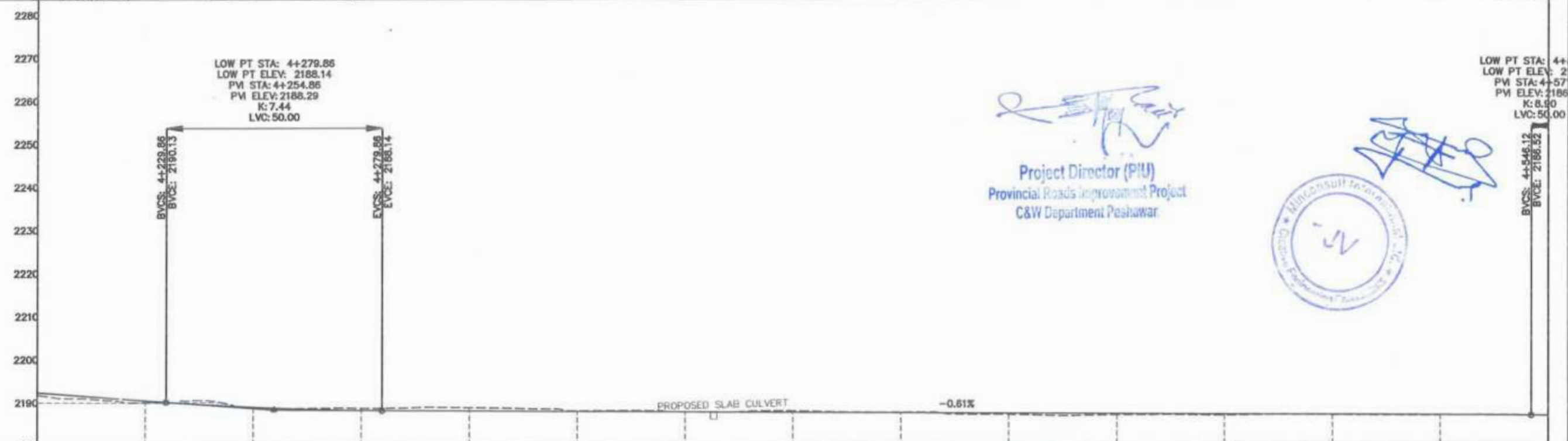
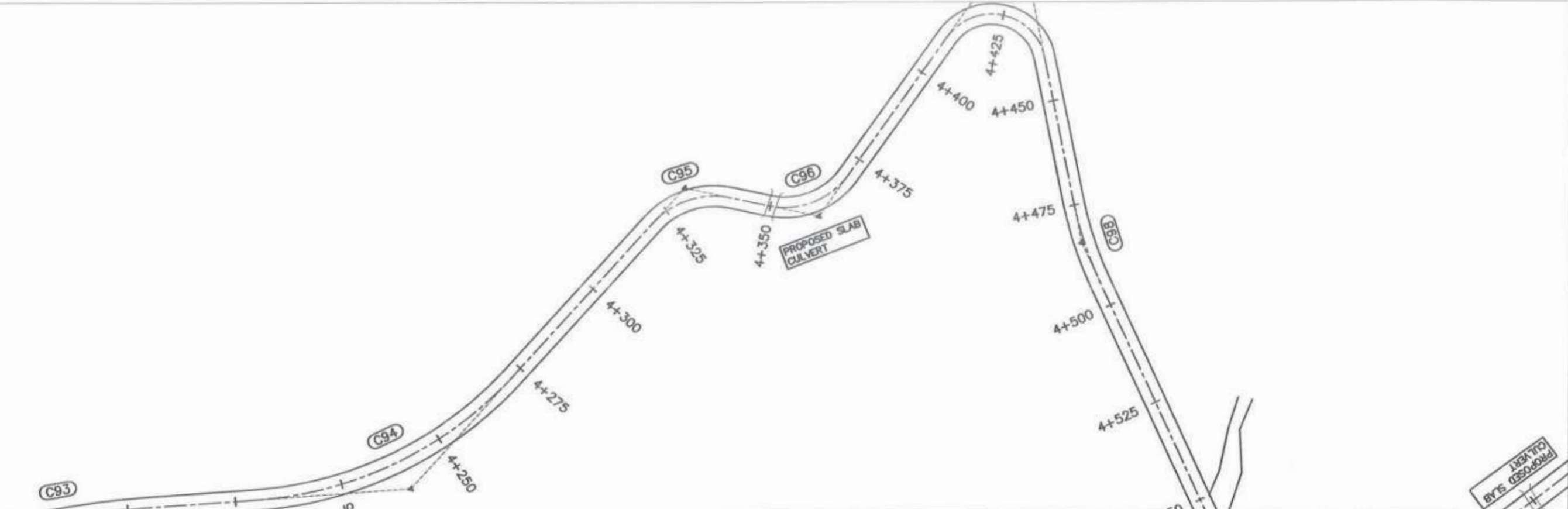


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:		
		0	AUG. 2024		G.DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
		e			DRAWN	MOIZ UR RAHMAN					
		b			CHECKED	S.DURRANI					
c			APPROVED	AQEEL YOUNIS							
								H=1:1000 V=1:1000	PLAN & PROFILE 3+500.00 - 3+850.00		
								AUG. 2024		DWG NO.CEC/RRDP/HW/UCH-NR1/11	



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:		SCALE:	SHEET CONTENT:
		0	AUG 2024		G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000	
		1			DRAWN	MOIZ UR RAHMAN			AUG.	
		2			CHECKED	S.DURRANI			2024	
3			APPROVED	AQEEL YOUNIS	DWG NO.CEC/RRDP/16/UCH-NR1/ 12					






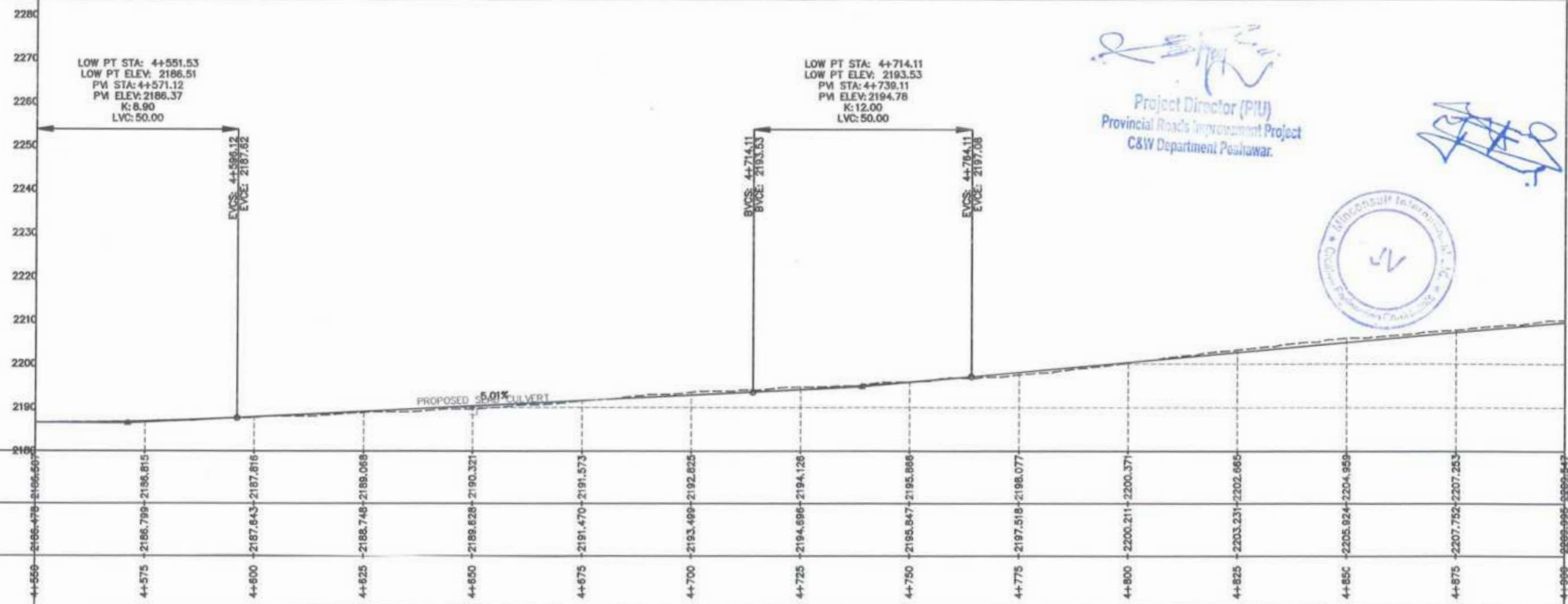
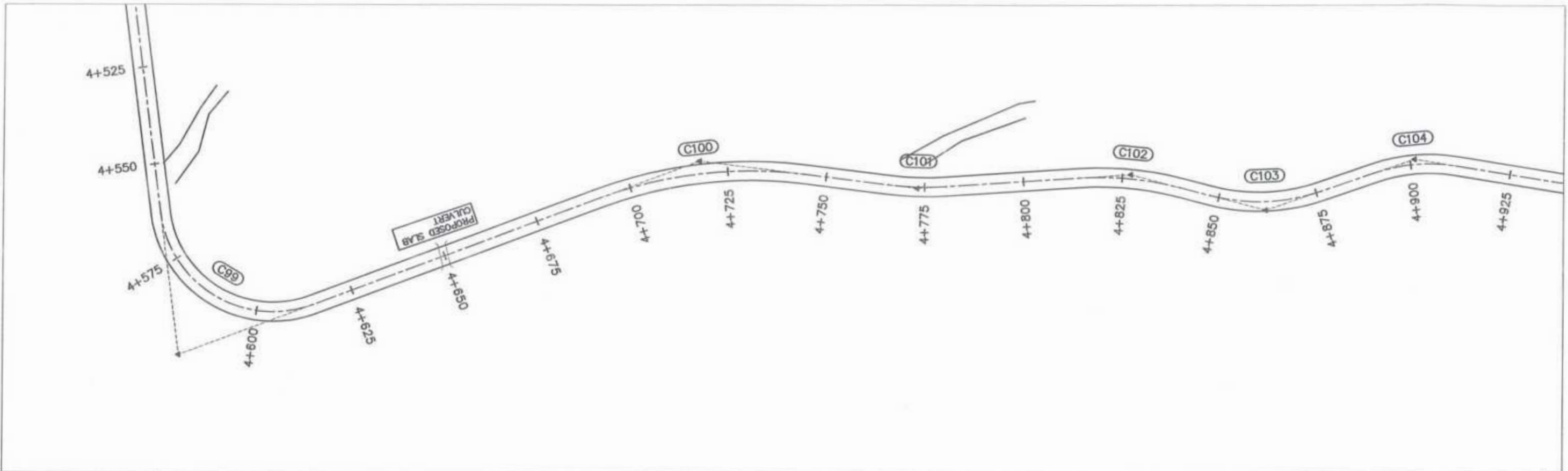

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



LOW PT STA: 4+
 LOW PT ELEV: 2
 PVI STA: 4+57
 PVI ELEV: 2186
 K: 8.90
 LVC: 50.00

F.R.L	2191.755	2189.987	2188.923	2188.187	2188.019	2187.867	2187.715	2187.563	2187.411	2187.259	2187.107	2186.955	2186.802	2186.650	2186.507
N.S.L	2191.755	2189.987	2188.923	2188.187	2188.019	2187.867	2187.715	2187.563	2187.411	2187.259	2187.107	2186.955	2186.802	2186.650	2186.507
STATION	4+200	4+225	4+250	4+275	4+300	4+325	4+350	4+375	4+400	4+425	4+450	4+475	4+500	4+525	4+550




 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:	
		0	AUG, 2024		G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD		H=1:1000 V=1:1000
		a			DRAWN	MOIZ UR RAHMAN				
		b			CHECKED	S.DURRANI				
c			APPROVED	AQEEL YOUNIS						
AUG, 2024 PLAN & PROFILE 4+200.00 - 4+550.00 DWG NO. CECRRDP/PIU/UCH-NR1/13										

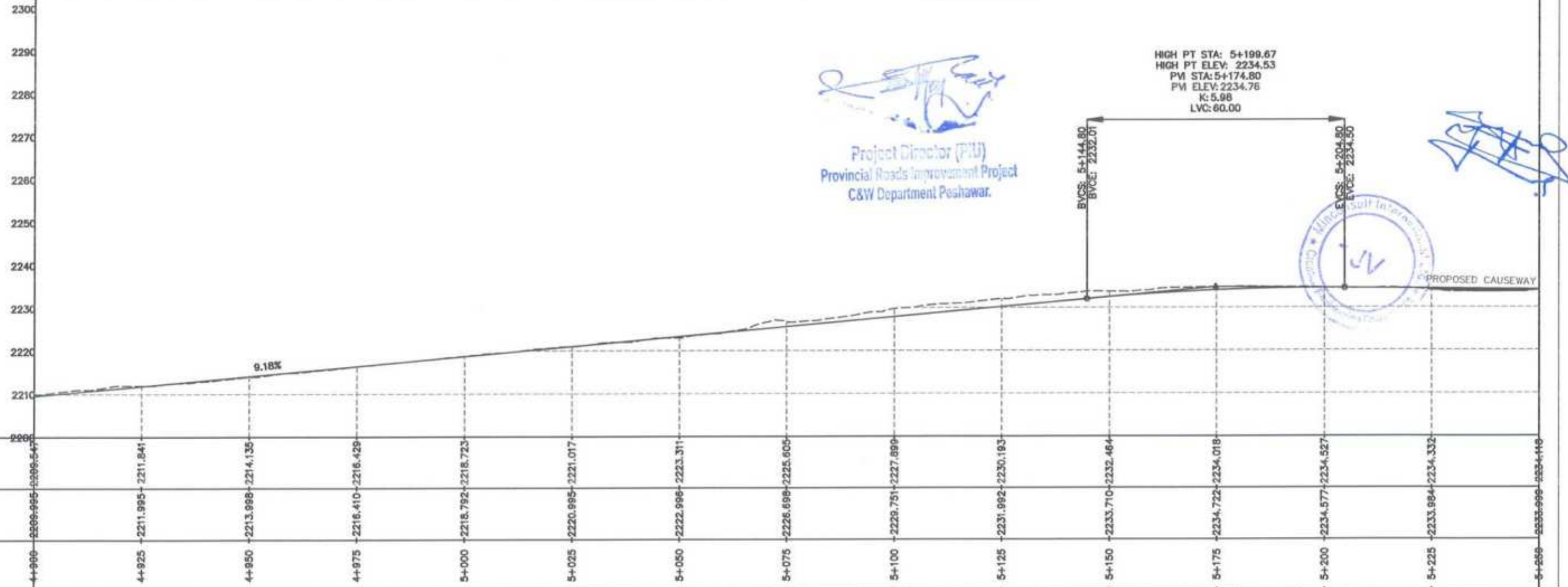
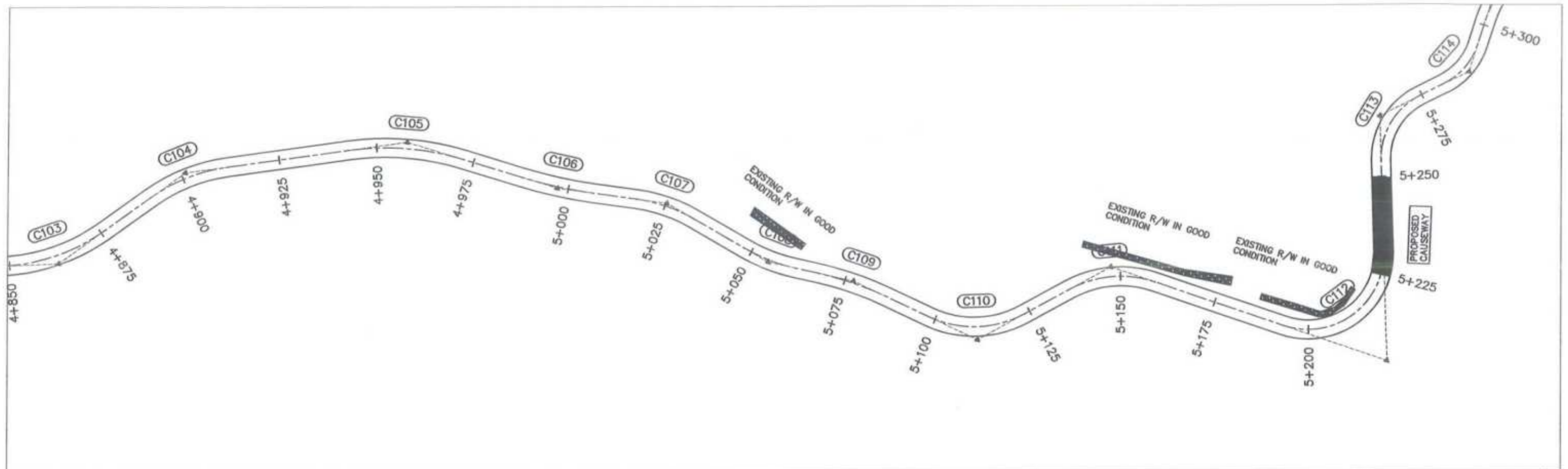



 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



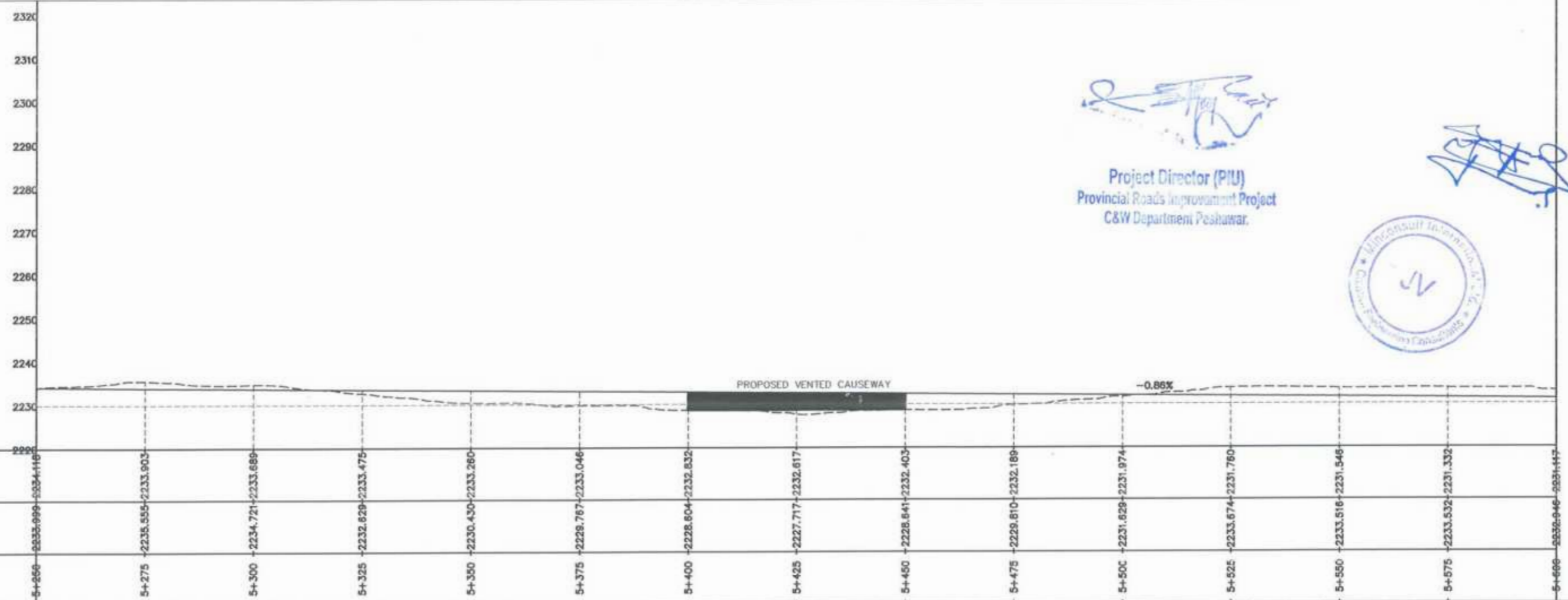
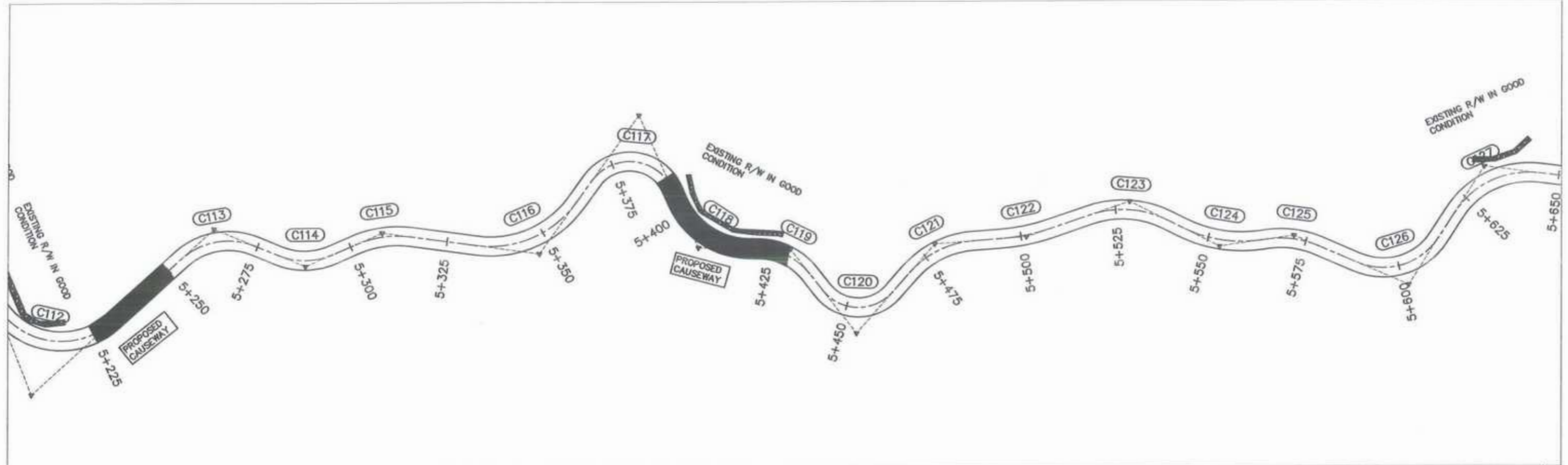
F.R.L	2186.478	2186.799	2186.815	2186.748	2189.058	2190.321	2191.470	2191.573	2193.489	2192.825	2194.126	2195.847	2195.866	2197.518	2198.077	2200.371	2202.665	2205.924	2204.959	2207.752	2207.253	2209.995	2209.847
N.S.L	2186.478	2186.799	2187.643	2188.748	2189.828	2190.321	2191.470	2191.573	2193.489	2192.825	2194.126	2195.847	2195.866	2197.518	2198.077	2200.211	2202.231	2204.924	2204.959	2207.752	2207.253	2209.995	2209.847
STATION	4+550	4+575	4+600	4+625	4+650	4+675	4+700	4+725	4+750	4+775	4+800	4+825	4+850	4+875	4+900								

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:		
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024		G.DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000 AUG, 2024	PLAN & PROFILE 4+550.00 - 4+900.00 DWS NO.CEC/RRDP/PAKHTUNKHWA/CH/NR/14		
		e			DRAWN	MOIZ UR RAHMAN			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
		b			CHECKED	S.DURRANI				
		a			APPROVED	AQEEL YOUNIS				






F.R.L	4+900	2206.95	4+925	2211.84	4+950	2214.13	4+975	2216.42	5+000	2218.72	5+025	2220.99	5+050	2223.31	5+075	2225.60	5+100	2227.89	5+125	2230.19	5+150	2232.46	5+175	2234.72	5+200	2234.52	5+225	2234.33	5+250	2234.14
N.S.L																														
STATION	4+900		4+925		4+950		4+975		5+000		5+025		5+050		5+075		5+100		5+125		5+150		5+175		5+200		5+225		5+250	

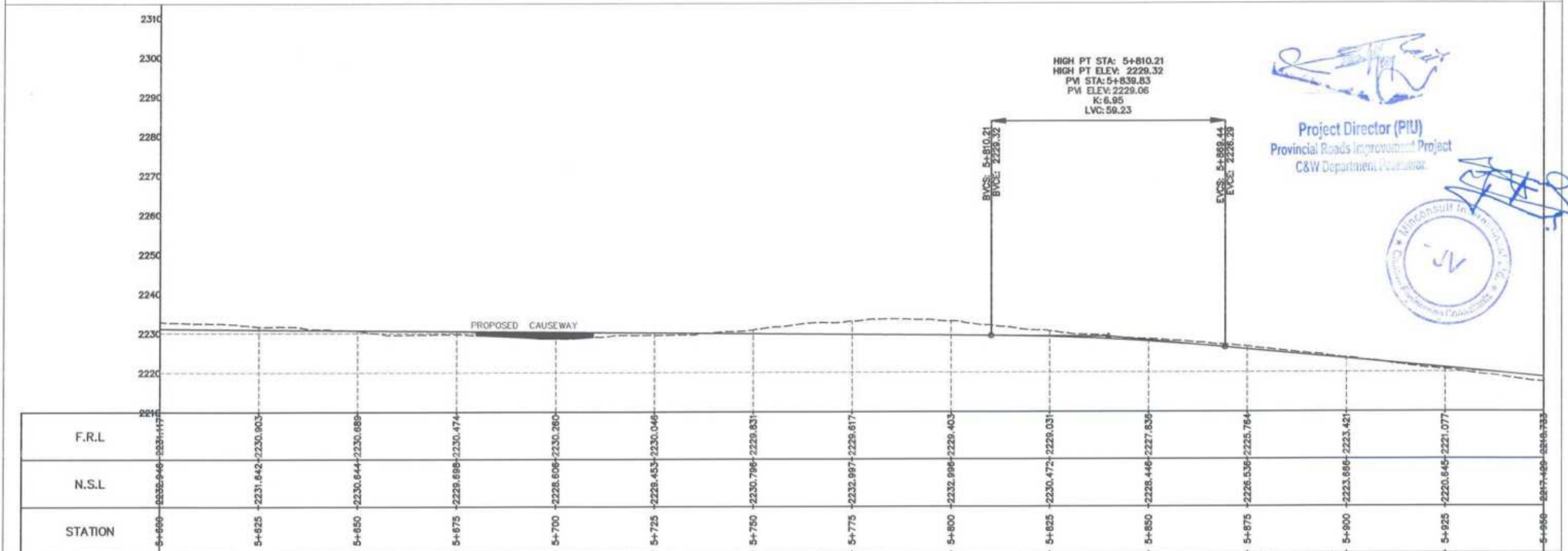
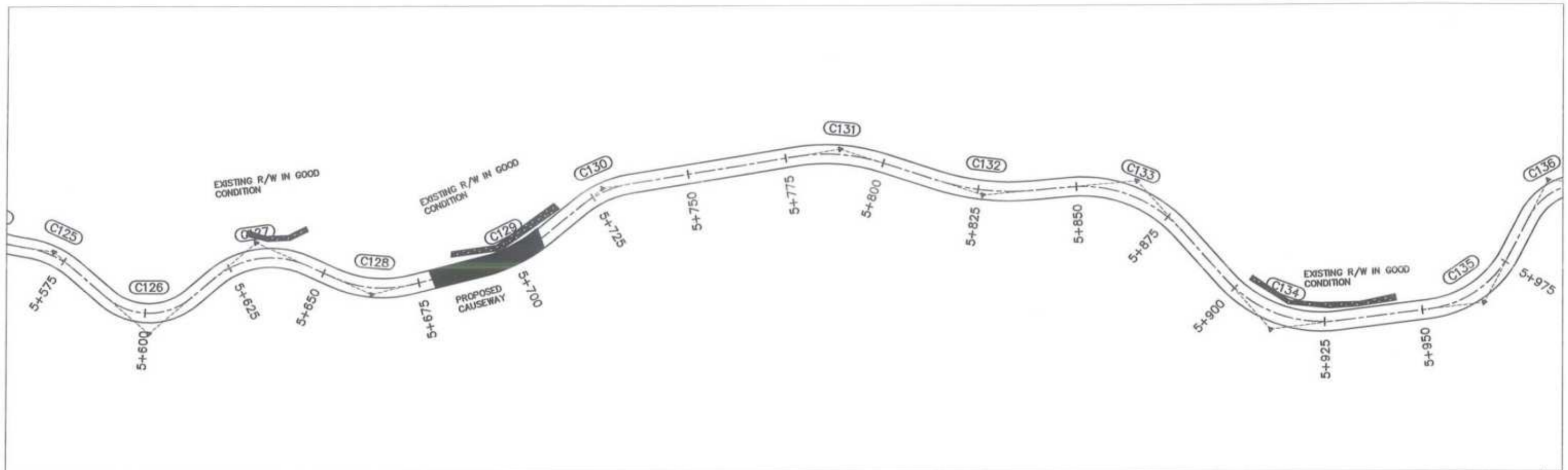
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0 0 b c	AUG, 2024	DESCRIPTION	NAMES G.DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE: H=1:1000 V=1:1000 AUG, 2024	SHEET CONTENT: PLAN & PROFILE 4+900.00 - 5+250.00 DWG NO CEC/RRDP/HW/UCH-NR1/ 15
---	---	------------------	--------------	-------------	--	--	--	--	---




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

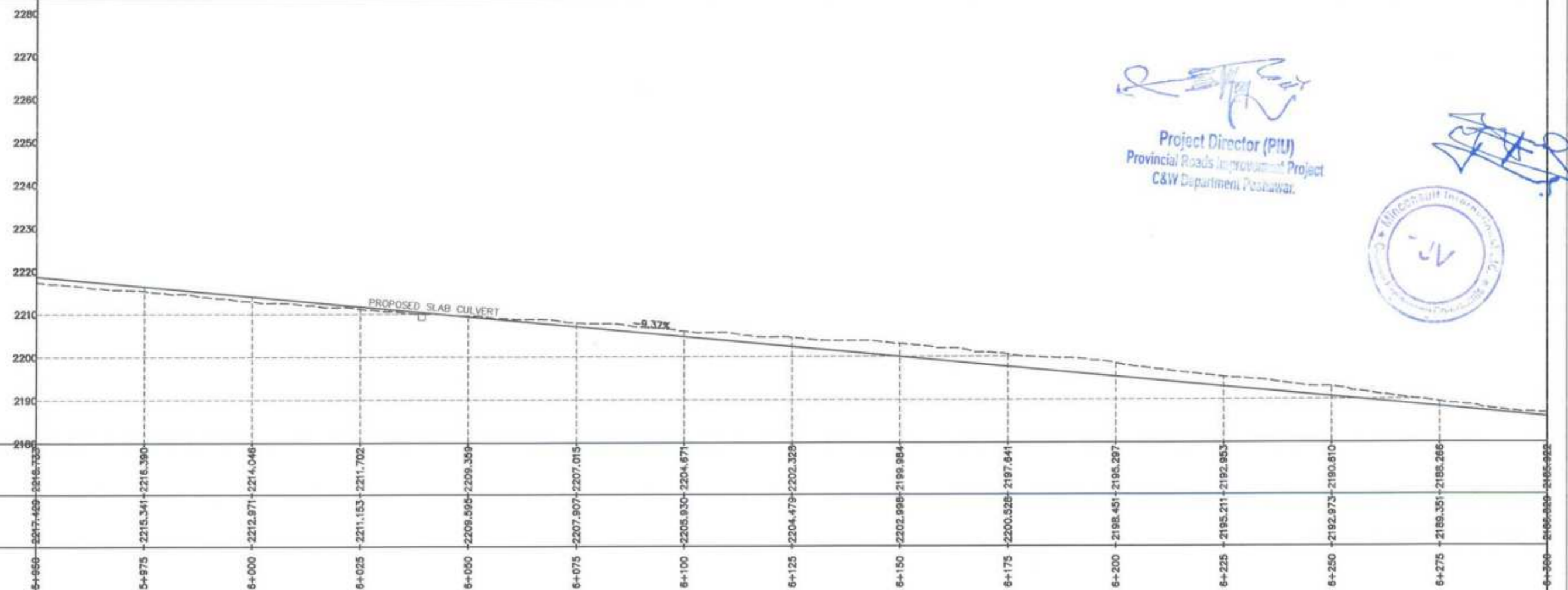
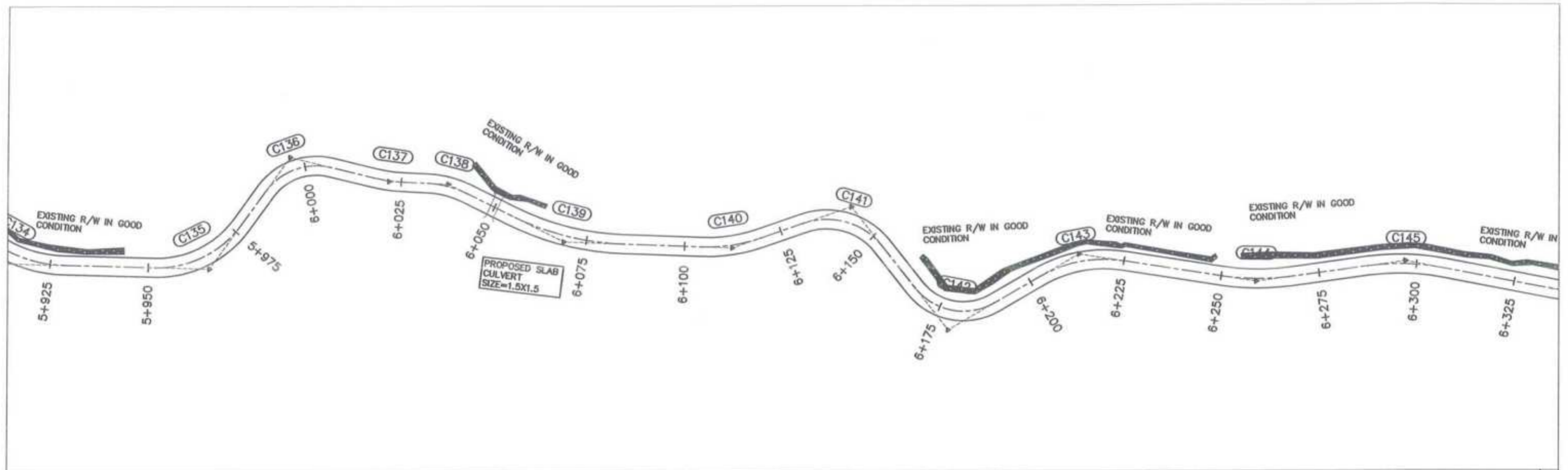


 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:			
		0	AUG, 2024		G.DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000
		0			DRAWN	MOIZ UR RAHMAN						
		1			CHECKED	S.DURRANI						
2			APPROVED	AQEEL YOUNIS								
								AUG, 2024	PLAN & PROFILE 5+250.00 - 5+600.00			
									DWG NO. CEC/RRDP/HW/UCH-NR1/16			



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Islamabad

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	PLAN & PROFILE 5+600.00 - 5+950.00 AUG. 2024 DWG NO. CEC/RRDP/HW/UCH-NR1/17
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN			
		a			DRAWN	MOIZ UR RAHMAN			
		b			CHECKED	S. DURRANI			
			c			APPROVED	AGEEL YOUNIS		

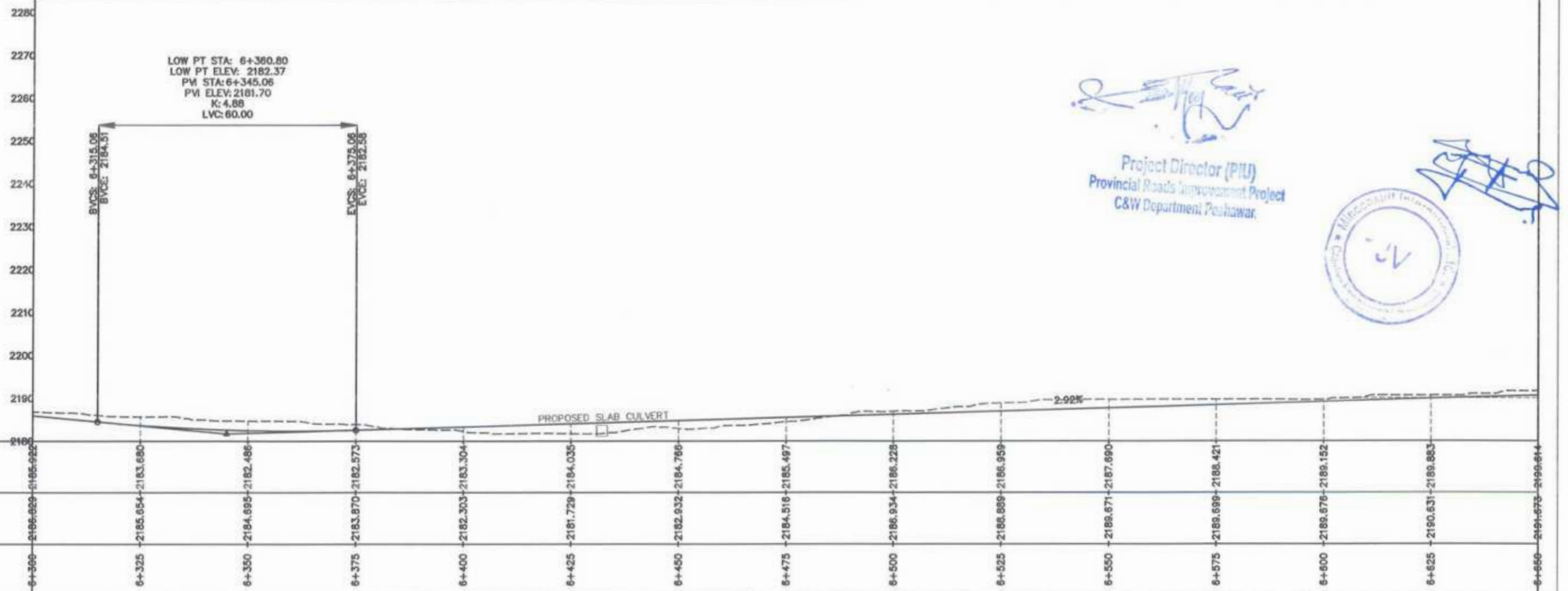
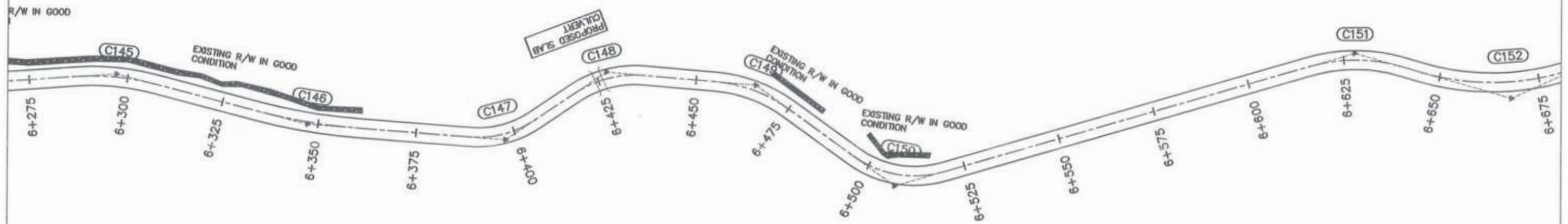


[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar.






GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000	SHEET CONTENT: PLAN & PROFILE 5+950.00 - 6+300.00
		0	AUG, 2024		G DESIGNED	AAMIR KHAN			
		a			DRAWN	MOIZ UR RAHMAN			
		b			CHECKED	S.DURRANI			
			APPROVED	AGEEL YOUNIS					

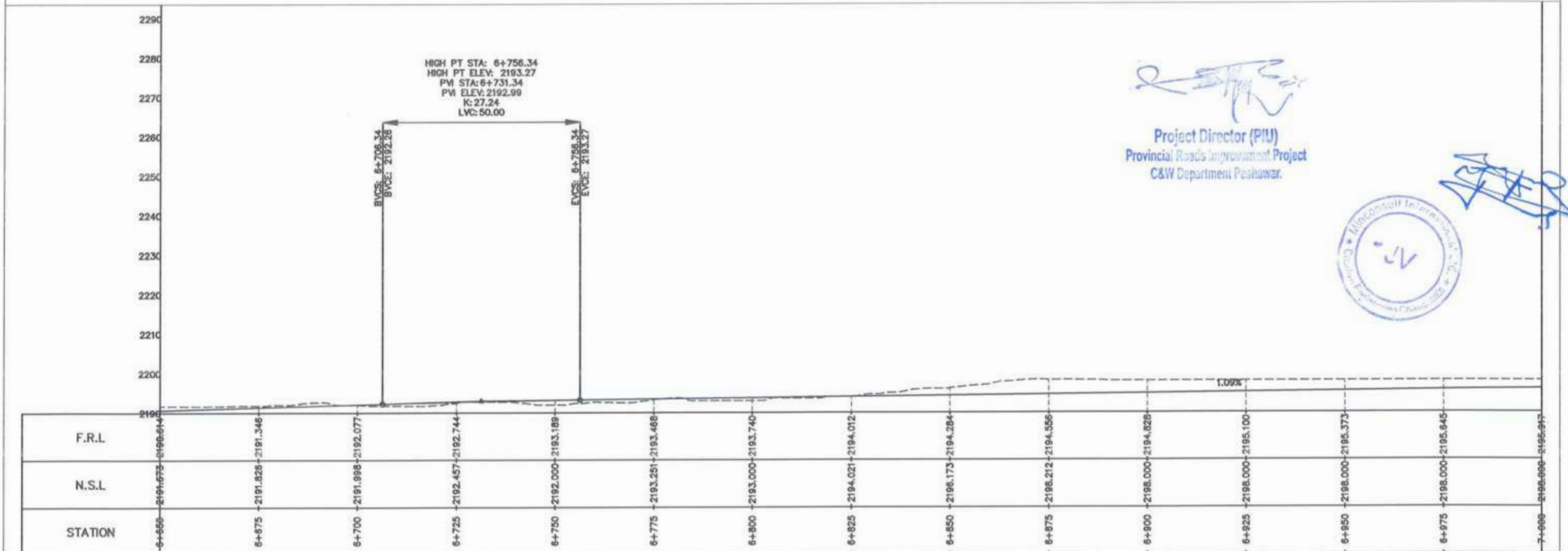
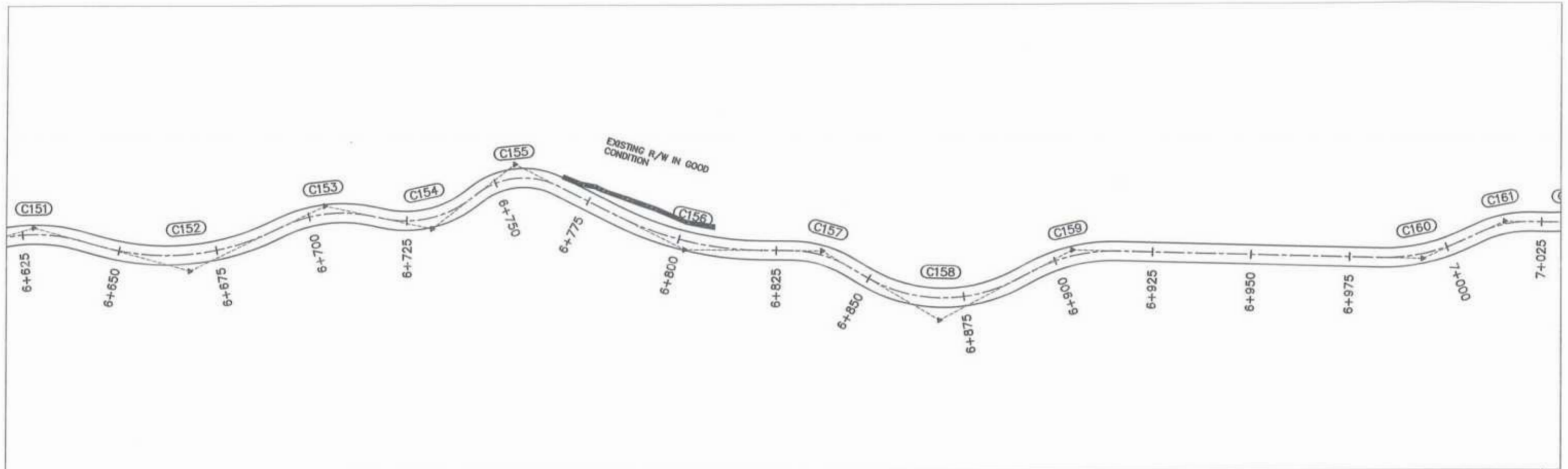
DWG NO.CE/RRDP#W/UCH-NR1/ 18




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar






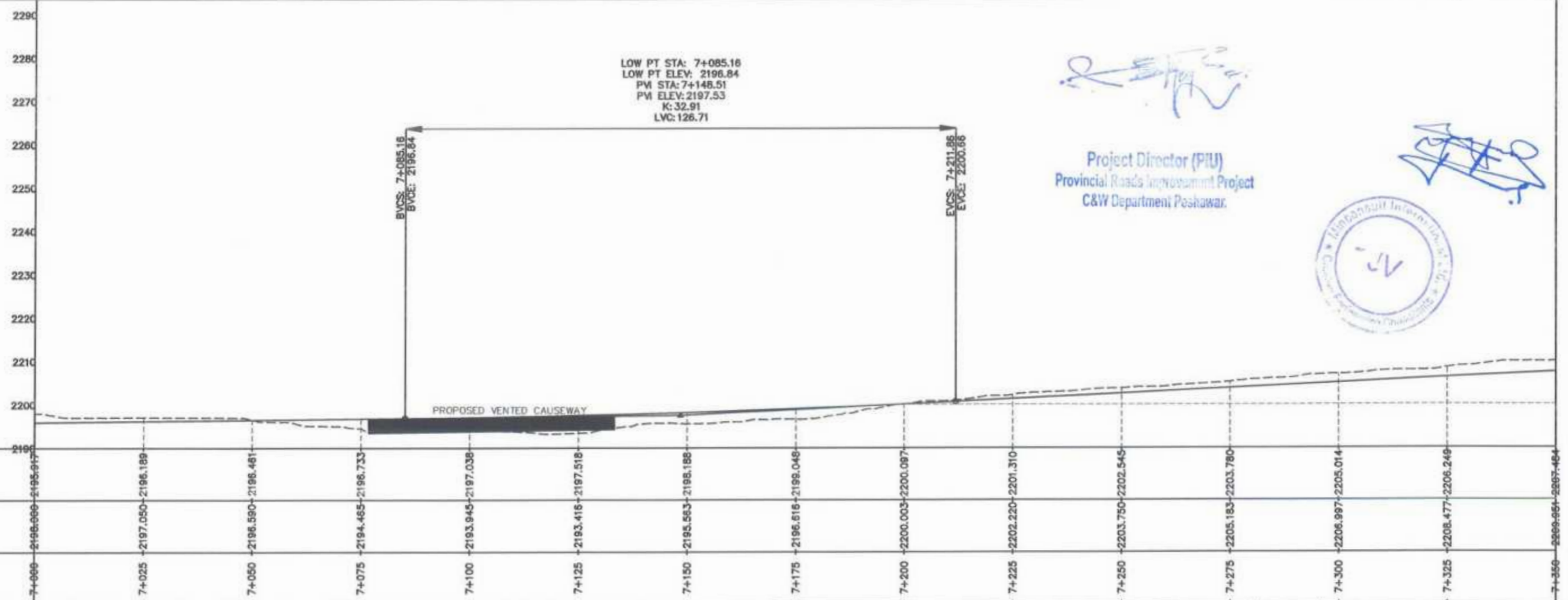
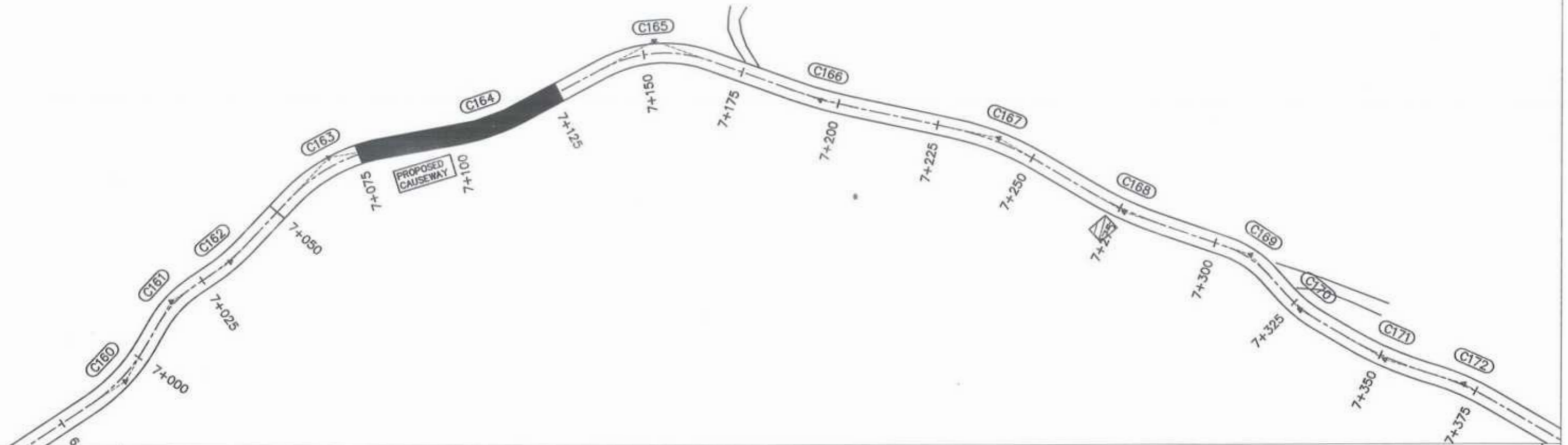

 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: PLAN & PROFILE 6+300.00 - 6+650.00 DWG NO. CEC/RRDP/HW/UCH-NR1/ 19
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN				
		a			DRAWN	MOIZ UR RAHMAN				
		b			CHECKED	S. DURRANI				
			c		APPROVED	AQEEL YOUNIS				




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE:	SHEET CONTENT: PLAN & PROFILE 6+650.00 - 7+000.00 DWG NO. CEC/RRDP/RW/UCH-NR1/20
		0	AUG, 2024		G DESIGNED	AAMIR KHAN			H=1:1000 V=1:1000	
		a			DRAWN	MOIZ UR RAHMAN			AUG,	
		b			CHECKED	S.DURRANI			2024	
			c			APPROVED	AOEEL YOUNIS			

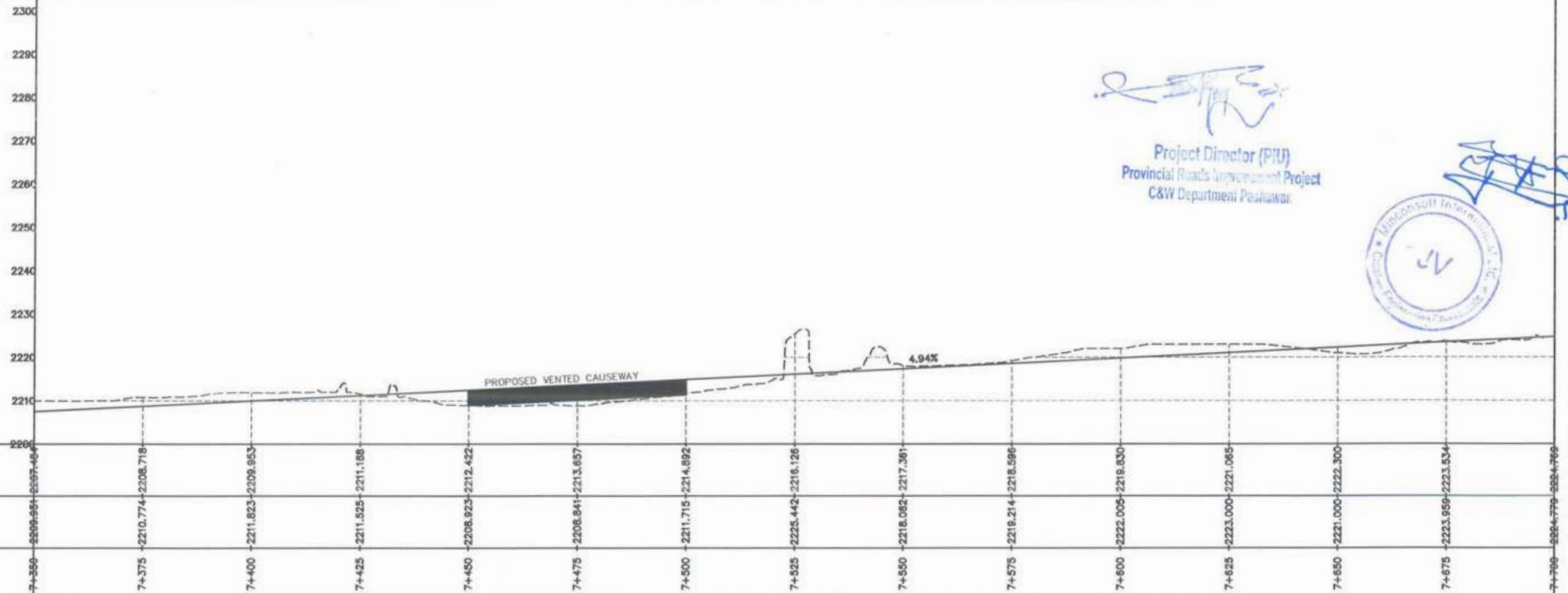
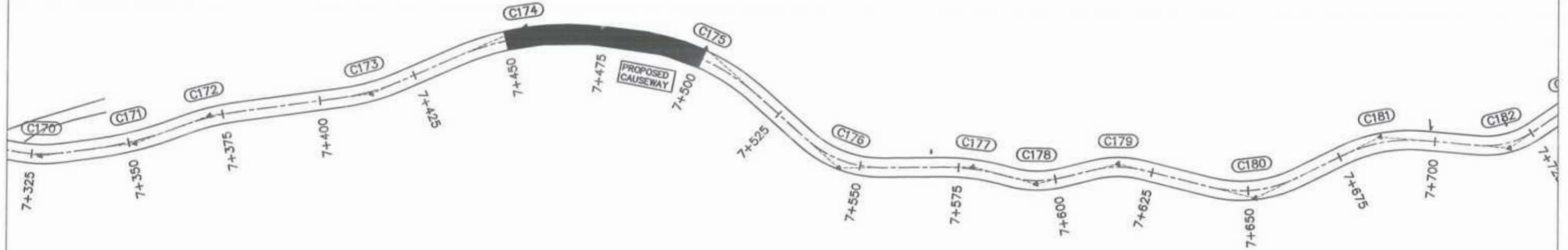


[Handwritten Signature]

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.






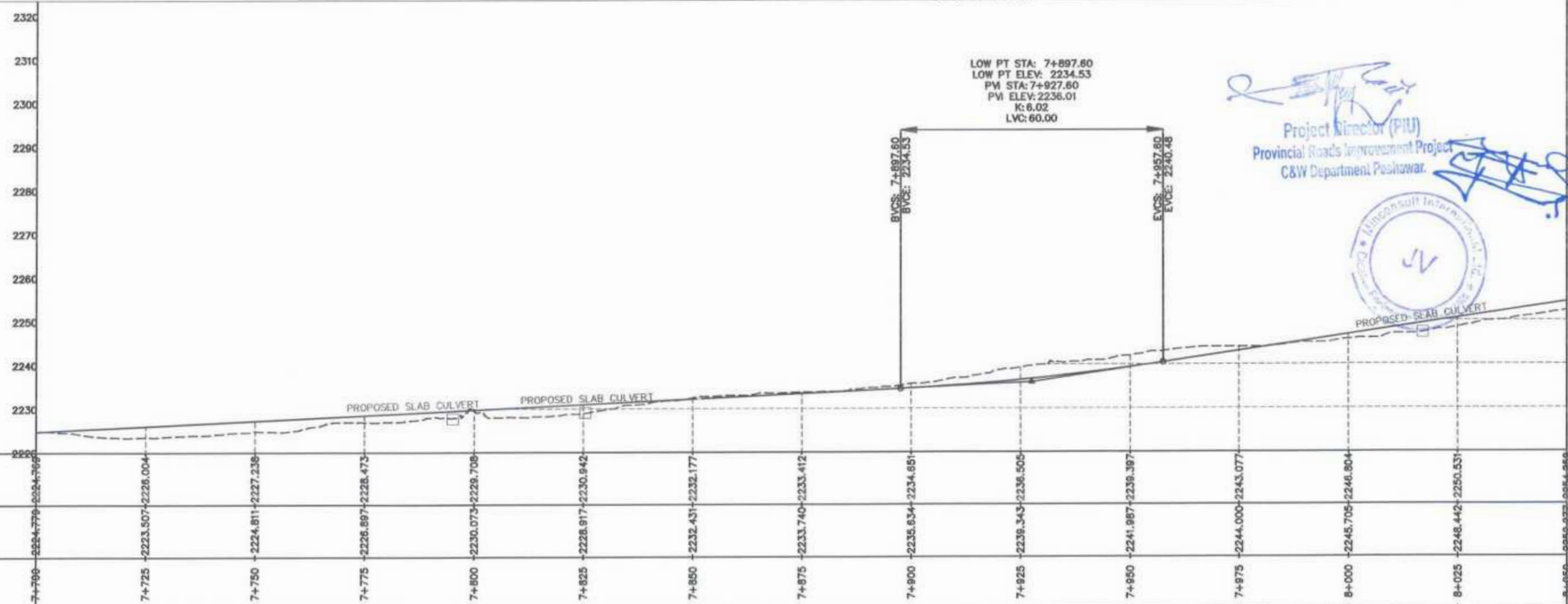
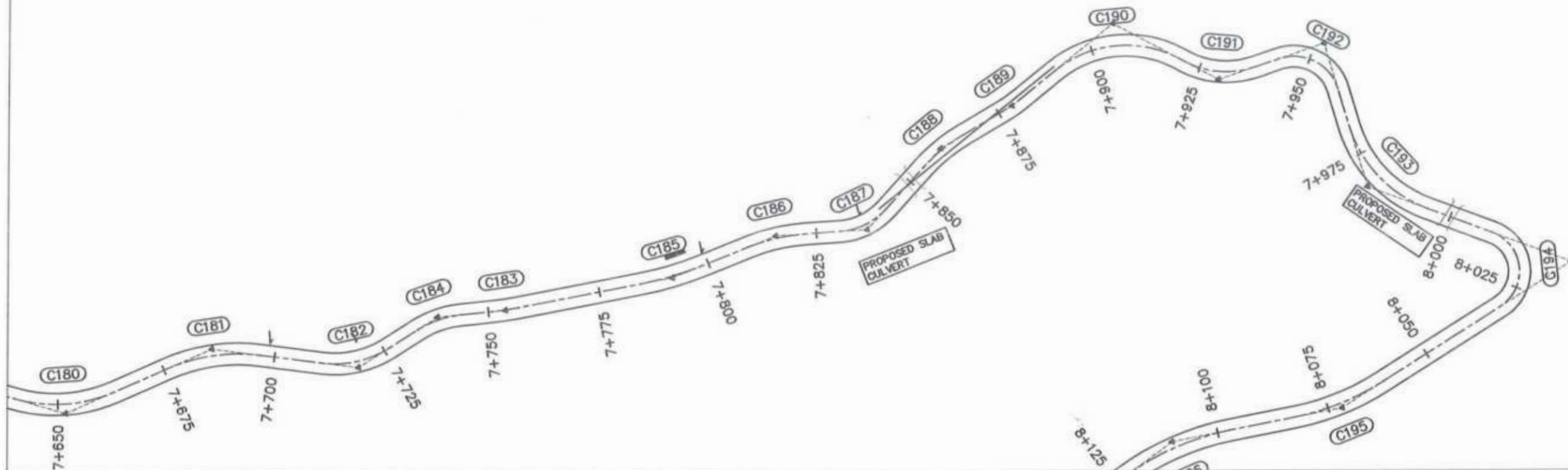
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:		
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD
		a			DRAWN	MOIZ UR RAHMAN					
		b			CHECKED	S. DURRANI					
c			APPROVED	AOEEL YOUNIS							
								AUG. 2024	PLAN & PROFILE 7+000.00 - 7+350.00		
									DWG NO. CEC/RRDP/RW/UCH-NR1/ 21		




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar




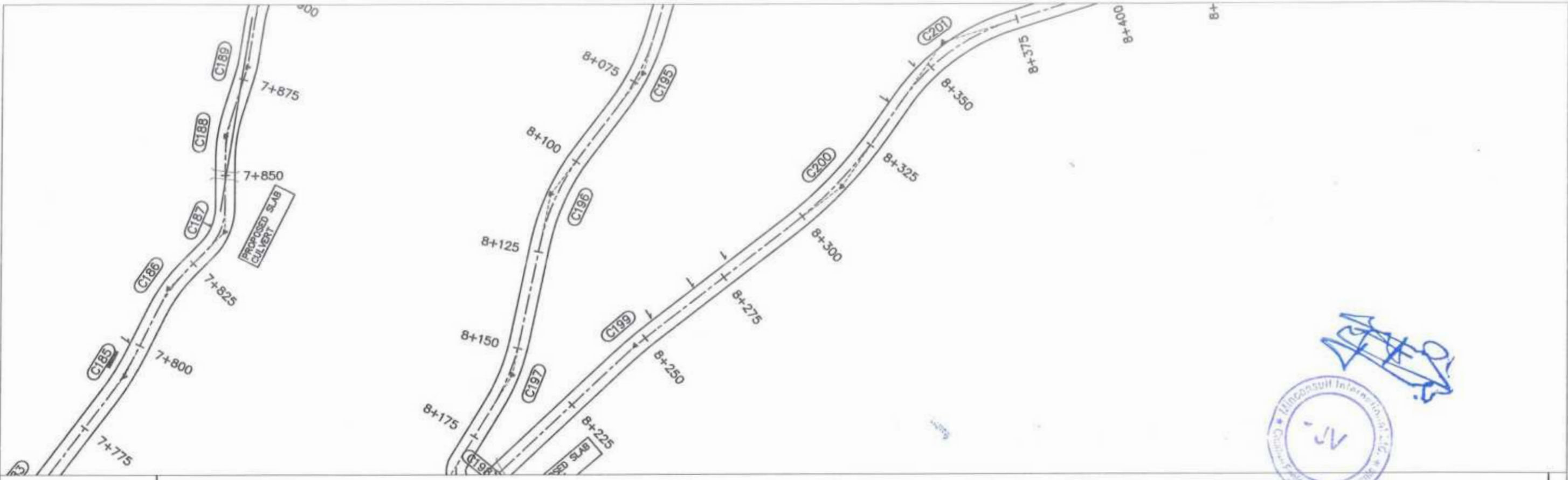
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE:	SHEET CONTENT: PLAN & PROFILE 7+350.00 - 7+700.00 AUG. 2024 DWG NO. CEC/RRDP/HW/UCH-NR1/22	
		0	AUG. 2024		G. DESIGNED			AAMIR KHAN		H=1:1000 V=1:1000
		a			DRAWN			MOIZ UR RAHMAN		
		b			CHECKED			S. DURRANI		
			c			APPROVED	AGEEL YOUNIS			




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

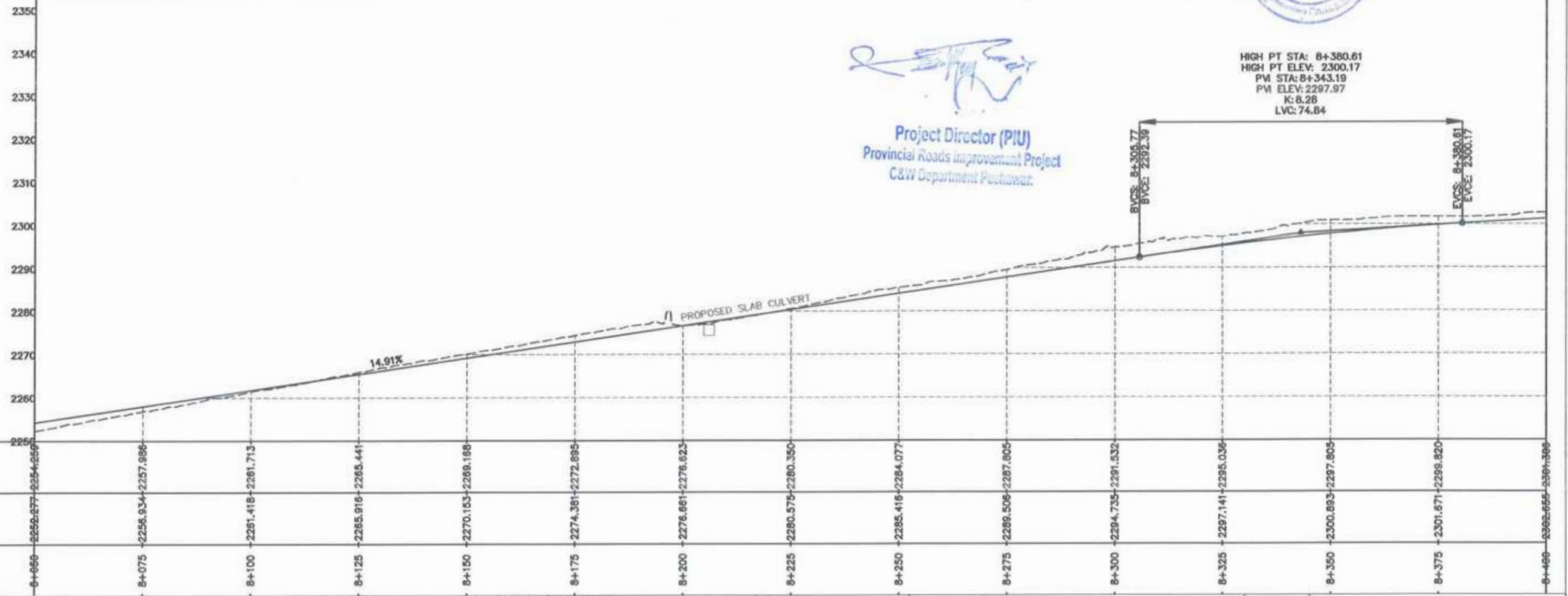





 CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
	MIN CONSULT.	0	AUG, 2024		G.DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	PLAN & PROFILE 7+700.00 - 8+050.00
	J.V.	1			DRAWN: MOJIB UR RAHMAN	UCH-NR1 OVER ROAD CHITRAL	AUG, 2024	
	CEC	2				CHECKED: S.DURRANI	FLOOD EFFECTED ROAD	DWG NO. CEC/RRDP/RW/UCH-NR1/ 23
	CREATIVE ENGINEERING CONSULTANTS (CEC)	3				APPROVED: AQEEL YOUNIS		

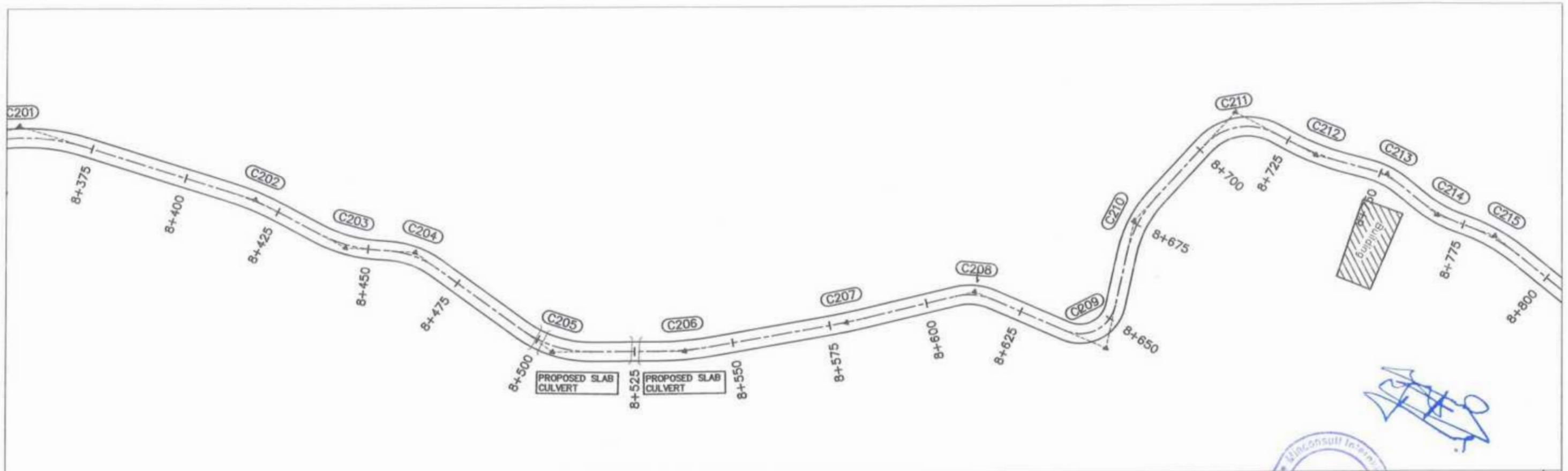



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

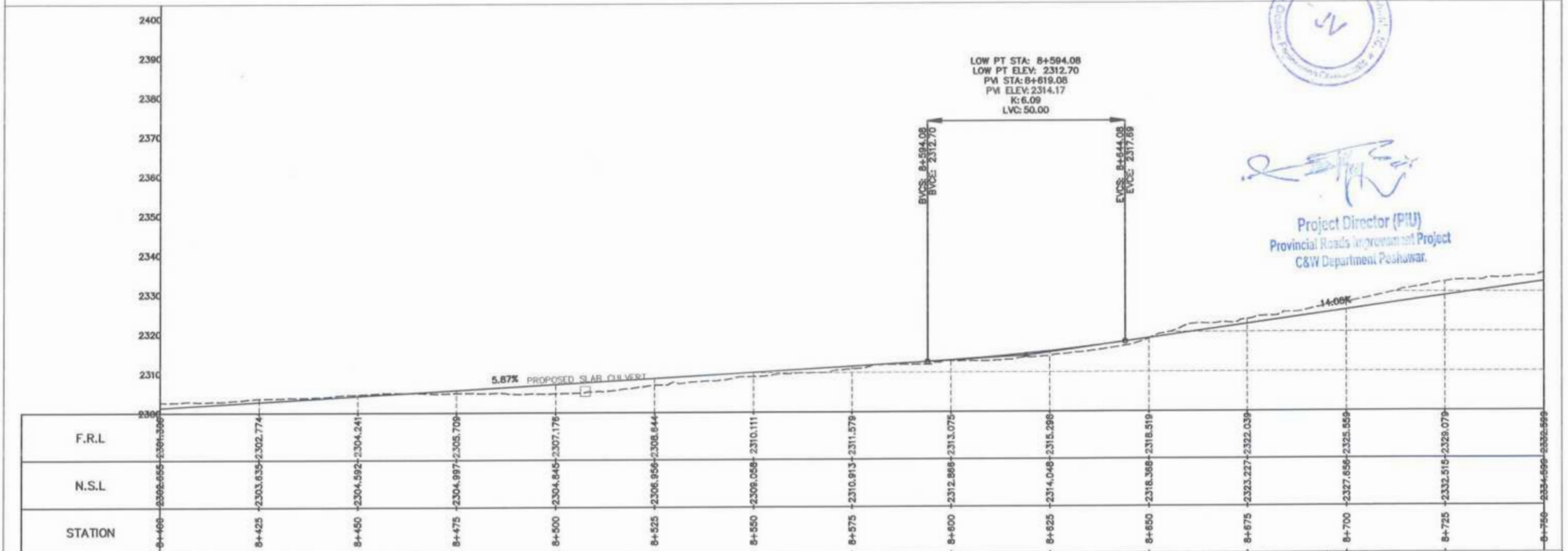
HIGH PT STA: 8+380.61
 HIGH PT ELEV: 2300.17
 PVI STA: 8+343.19
 PVI ELEV: 2297.97
 K: 8.28
 LVC: 74.84



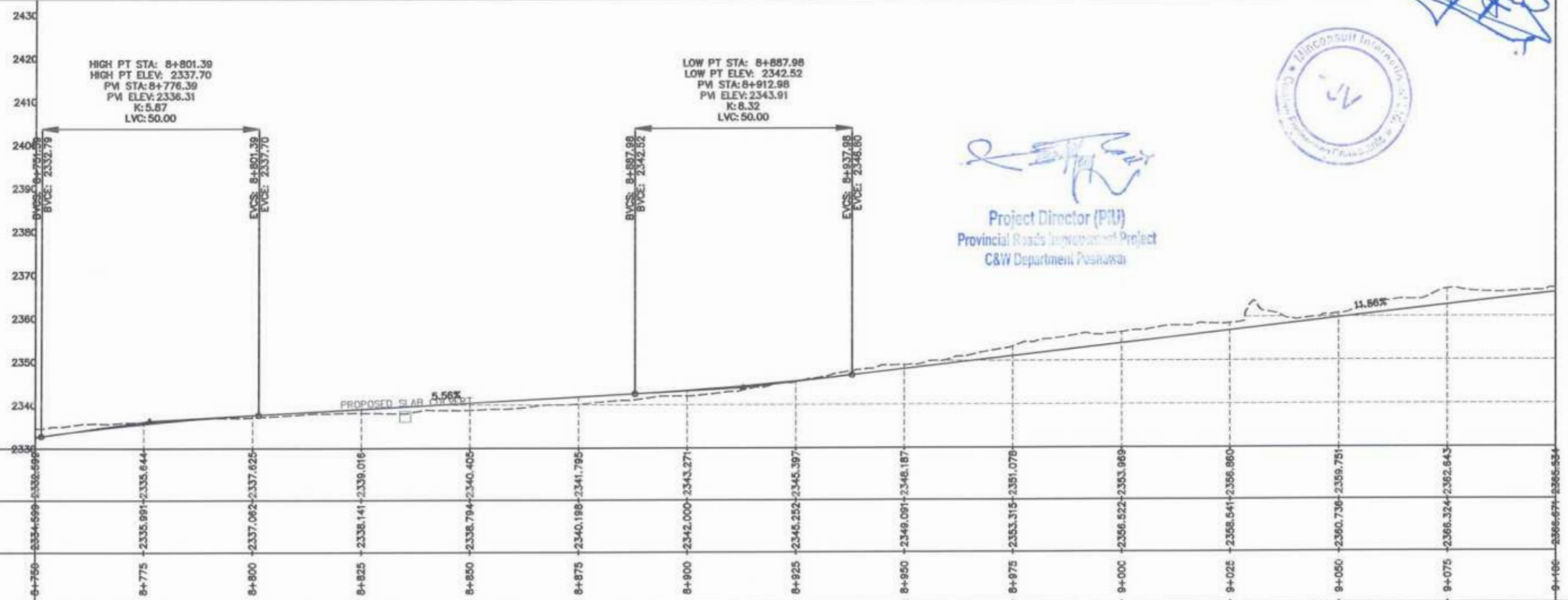
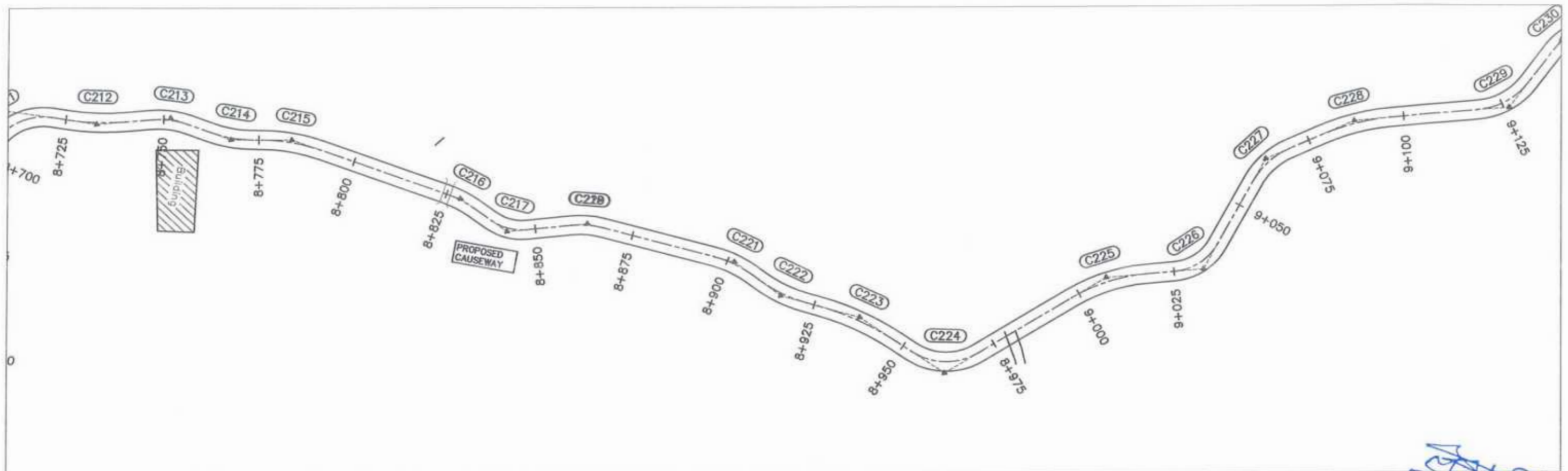
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV. DATE DESCRIPTION 0 AUG. 2024	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 8+050.00 - 8+400.00 DWG NO.CEC/RRDP/WH/UCH-NR1/24
	 MIN CONSULT J.V.					
	 CREATIVE ENGINEERING CONSULTANTS (CEC)					



[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

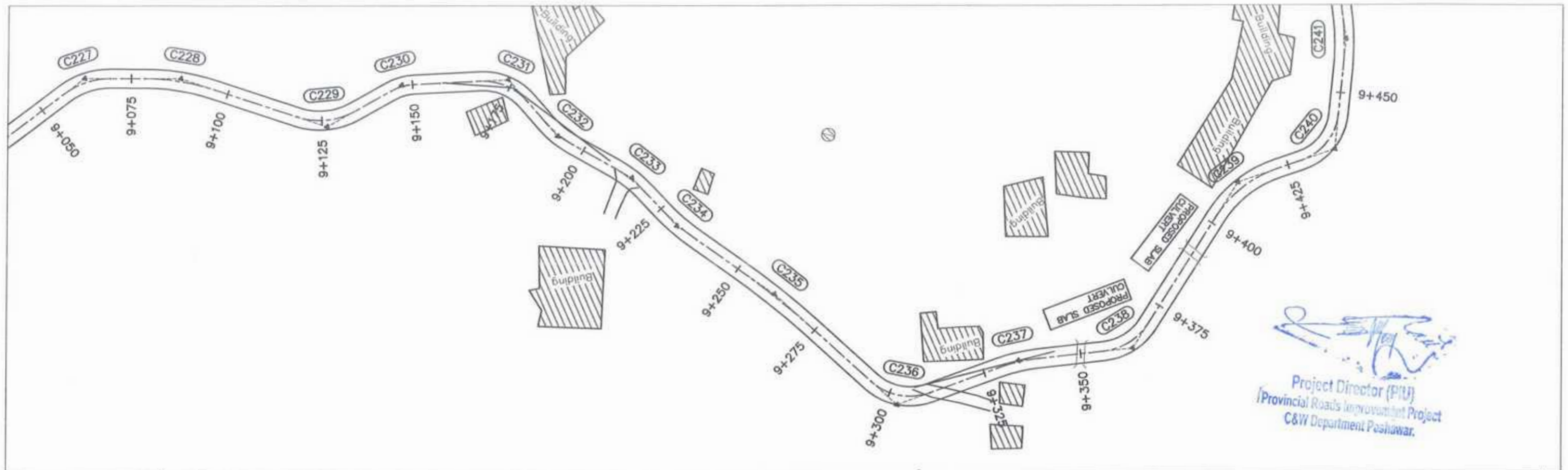


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0	DATE AUG. 2024	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000	SHEET CONTENT: PLAN & PROFILE 8+400.00 - 8+750.00
		DESIGNED	AAMIR KHAN	DRAWN	MOIZ UR RAHMAN			
		CHECKED	S. DURRANI	APPROVED	AQEEL YOUNIS			
		PROJECT: FLOOD EFFECTED ROAD						
DWG NO. CEC/RRDP/HW/UCH-NR1/ 25								

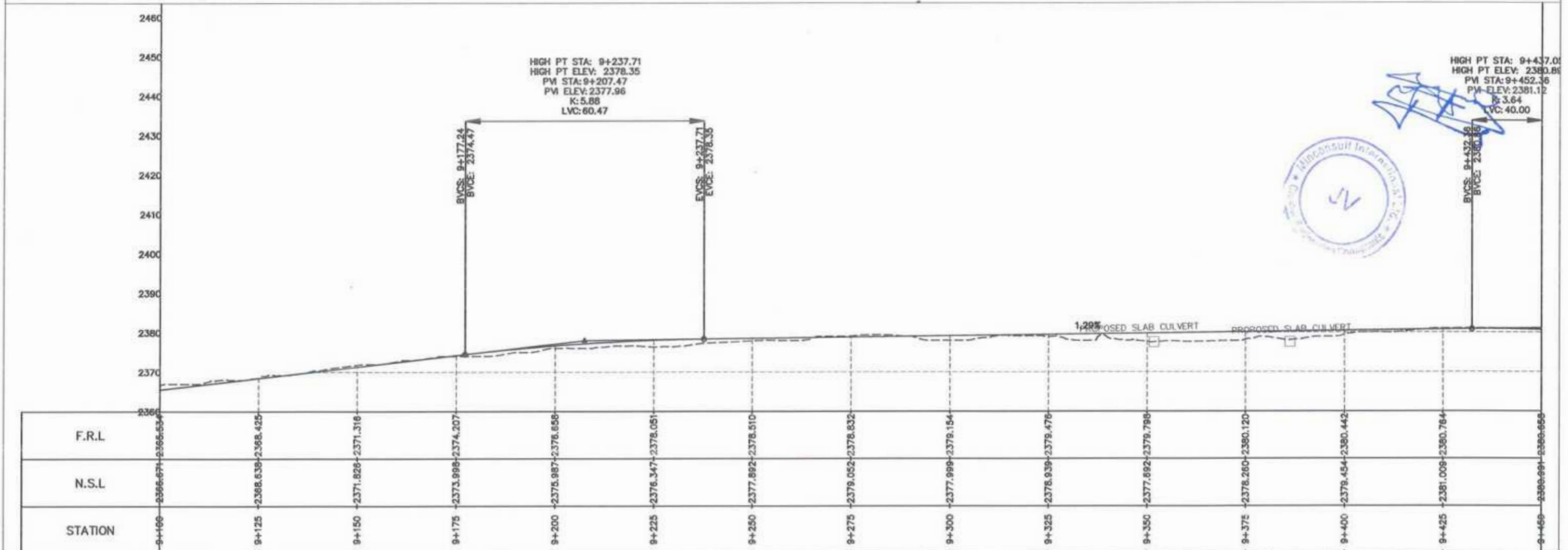


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

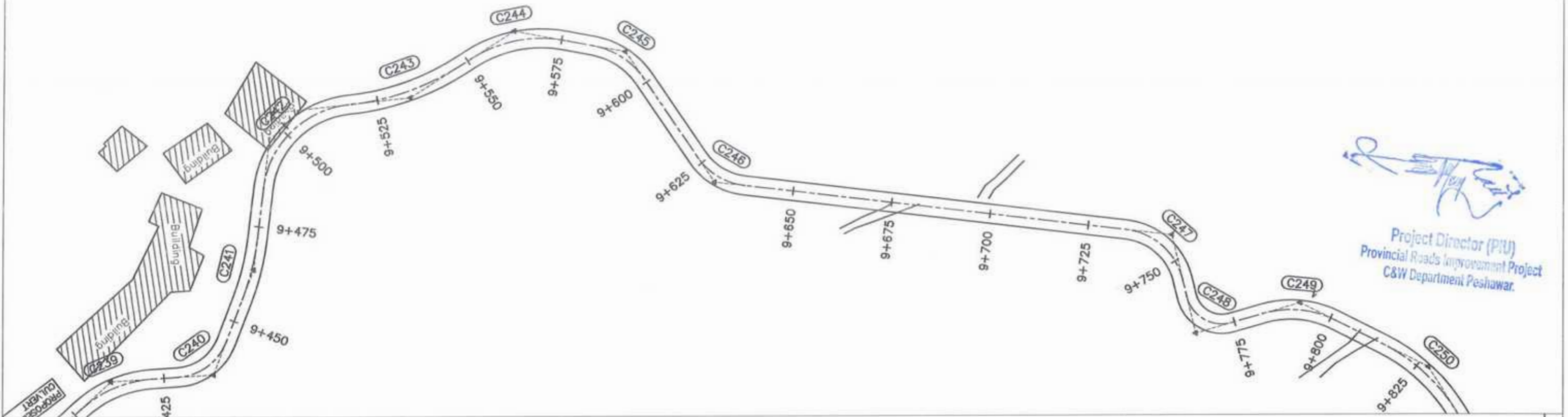
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:			
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000 AUG. 2024	PLAN & PROFILE 8+750.00 - 9+100.00
		1			DRAWN	MOIZ UR RAHMAN						
		2			CHECKED	S.DURRANI						
3			APPROVED	AOEEL YOUNS								
DWG NO. CEC/RRDP/RW/UCH-NR1/ 26												



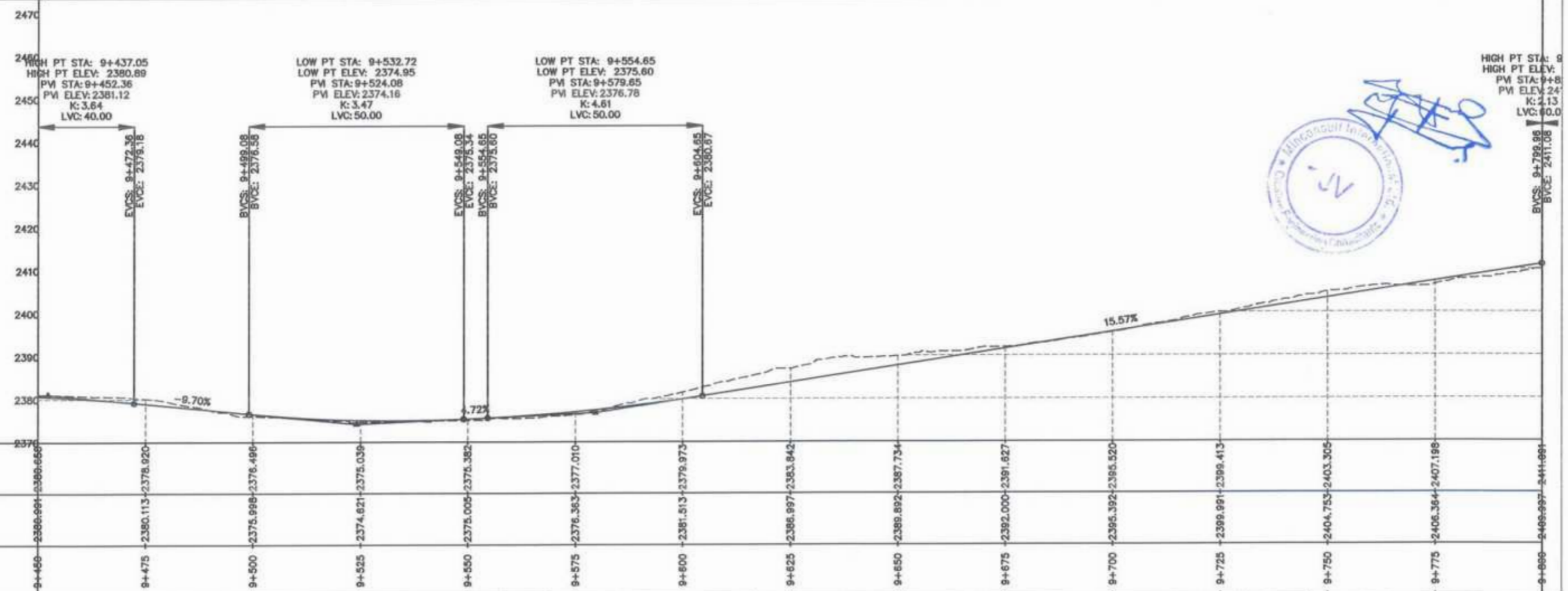
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT JV CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:		
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
		1			DRAWN	MOIZ UR RAHMAN					
		2			CHECKED	S. DURRANI					
3			APPROVED	AOEEL YOUNIS							
							H=1:1000 V=1:1000		PLAN & PROFILE 9+100.00 - 9+450.00		
							AUG. 2024				
									DWG NO. CECRRDP/HW/UCH-NR1/ 27		

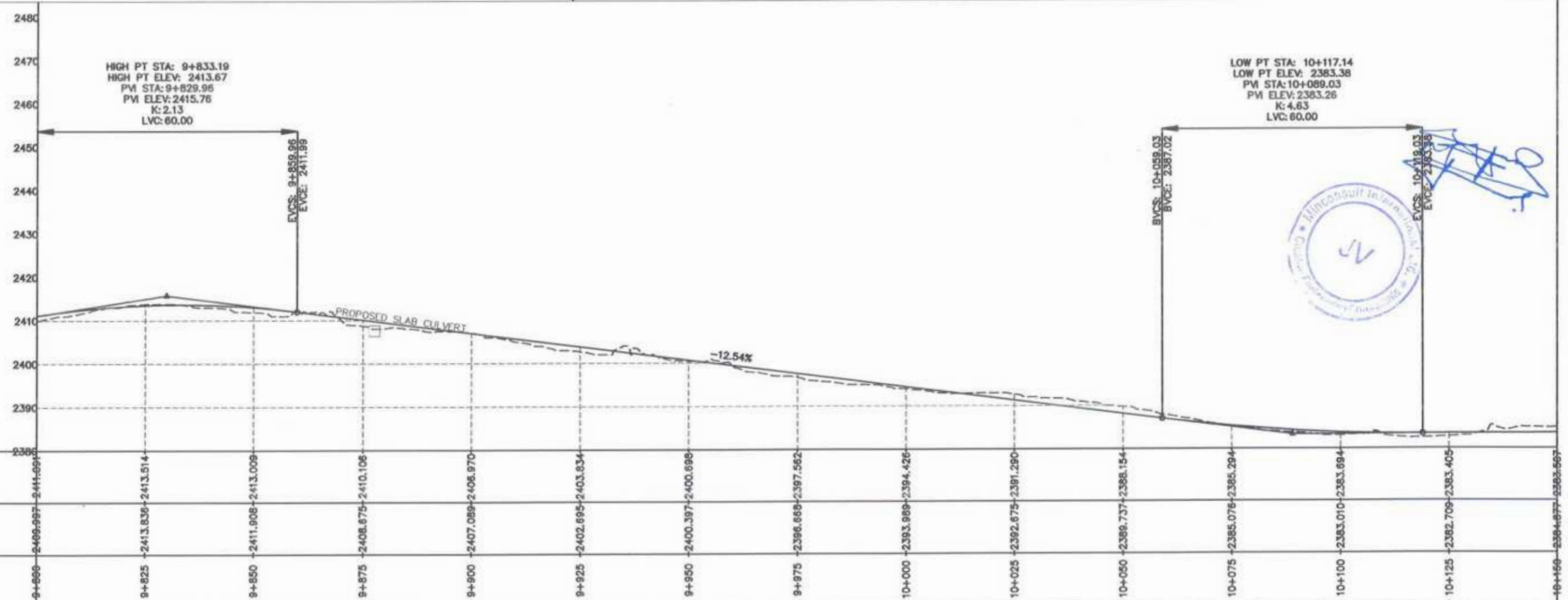
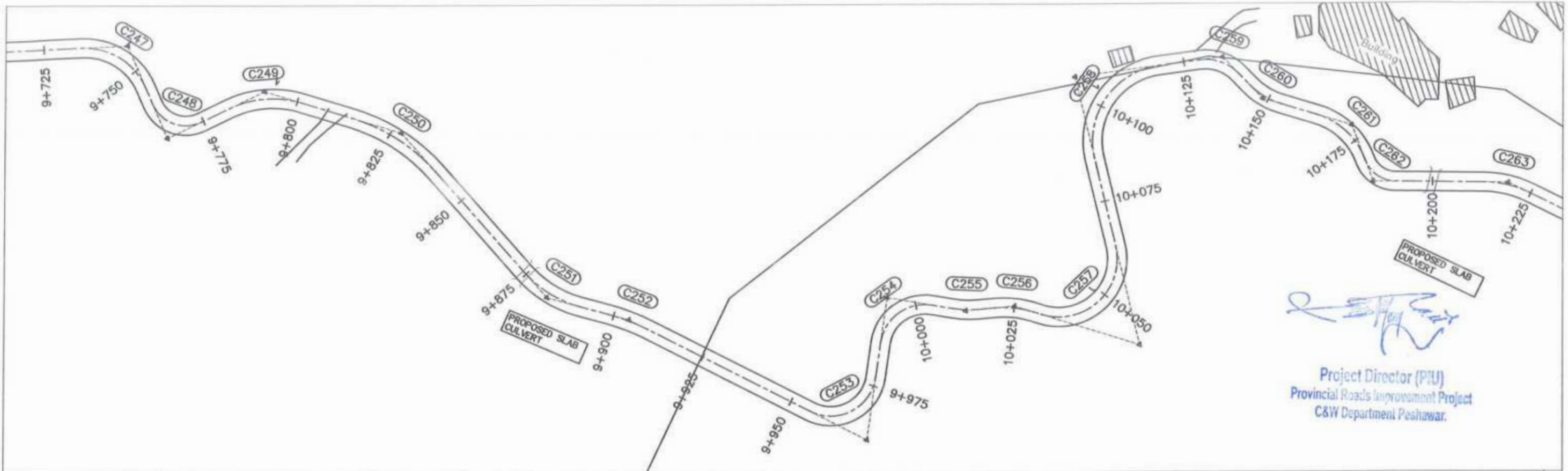


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



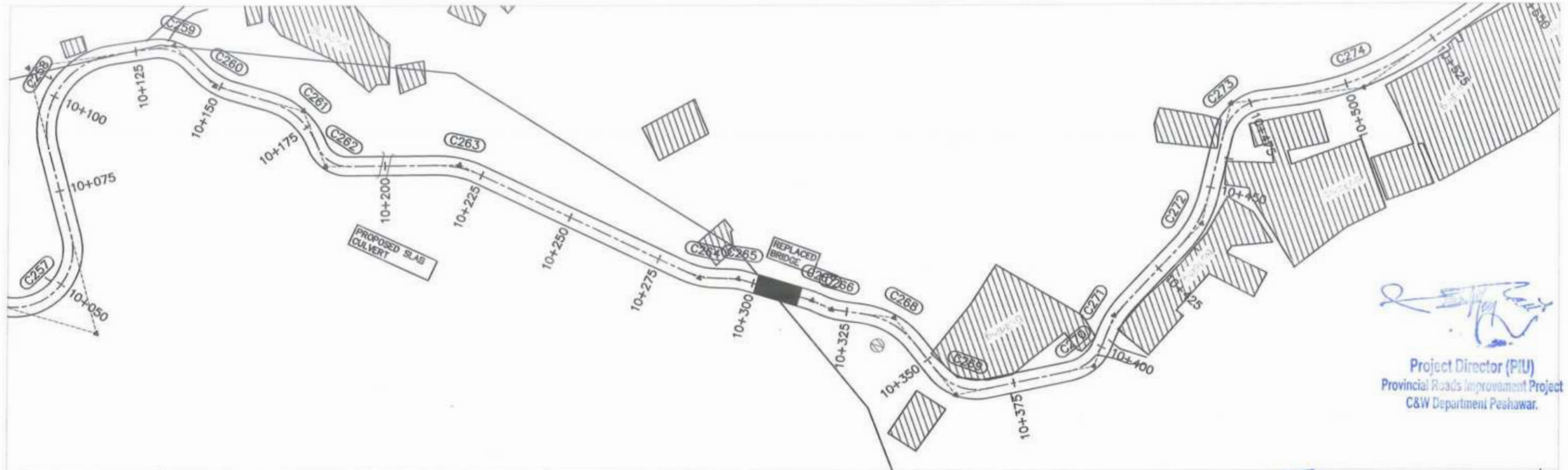
Stamp of MINGAGUI International P. Ltd. with a signature over it.

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024		G.DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000	PLAN & PROFILE 9+450.00 - 9+800.00
		a			DRAWN	MOIZ UR RAHMAN		
		b			CHECKED	S.DURRANI	FLOOD EFFECTED ROAD	
		c			APPROVED	ADEEL YOUNIS	AUG, 2024	
							DWG NO.CE/RRDP/HW/UCH-NR1/ 28	

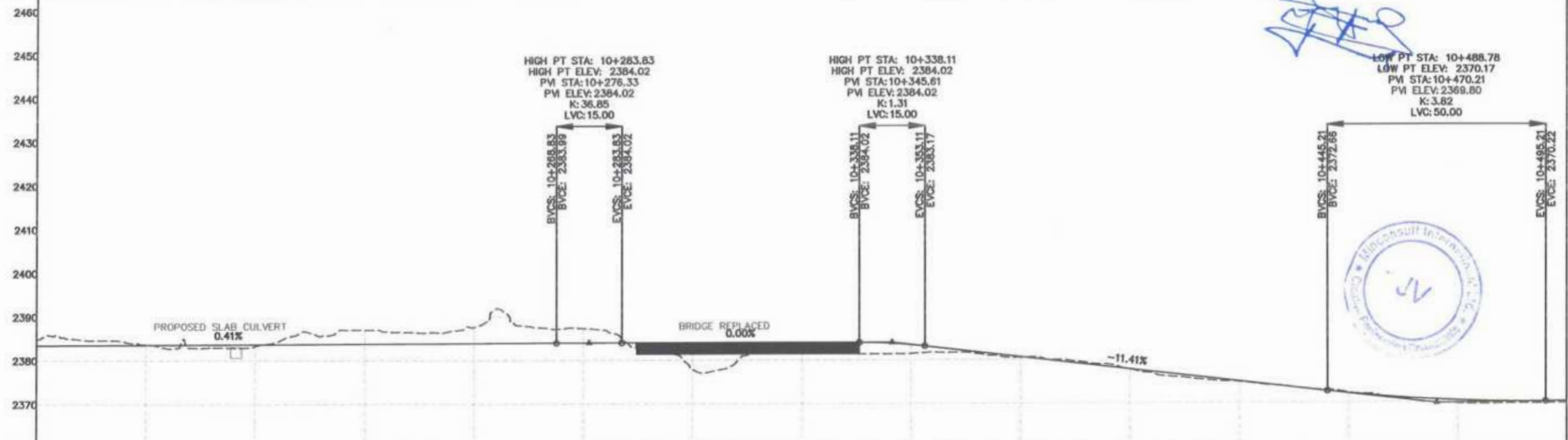


F.R.L	2409.997	2413.836	2413.514	2411.908	2413.009	2408.675	2410.106	2407.089	2406.970	2402.695	2403.834	2400.397	2400.699	2396.669	2397.562	2393.969	2394.426	2392.675	2391.290	2386.737	2386.154	2385.076	2385.294	2383.010	2383.694	2382.709	2383.405	2380.667
N.S.L	2409.997	2413.836	2413.514	2411.908	2413.009	2408.675	2410.106	2407.089	2406.970	2402.695	2403.834	2400.397	2400.699	2396.669	2397.562	2393.969	2394.426	2392.675	2391.290	2386.737	2386.154	2385.076	2385.294	2383.010	2383.694	2382.709	2383.405	2380.667
STATION	9+800	9+825	9+850	9+875	9+900	9+925	9+950	9+975	10+000	10+025	10+050	10+075	10+100	10+125	10+150	10+175	10+200	10+225										

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024		G. DESIGNED	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000 AUG. 2024	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 9+800.00 - 10+150.00 DWG NO.CEC/RRDP/HW/UCH-NR1/ 29	
		a			DRAWN				AAMIR KHAN
		b			CHECKED				S.DURRANI
		c			APPROVED				AQEEL YOUNIS







 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

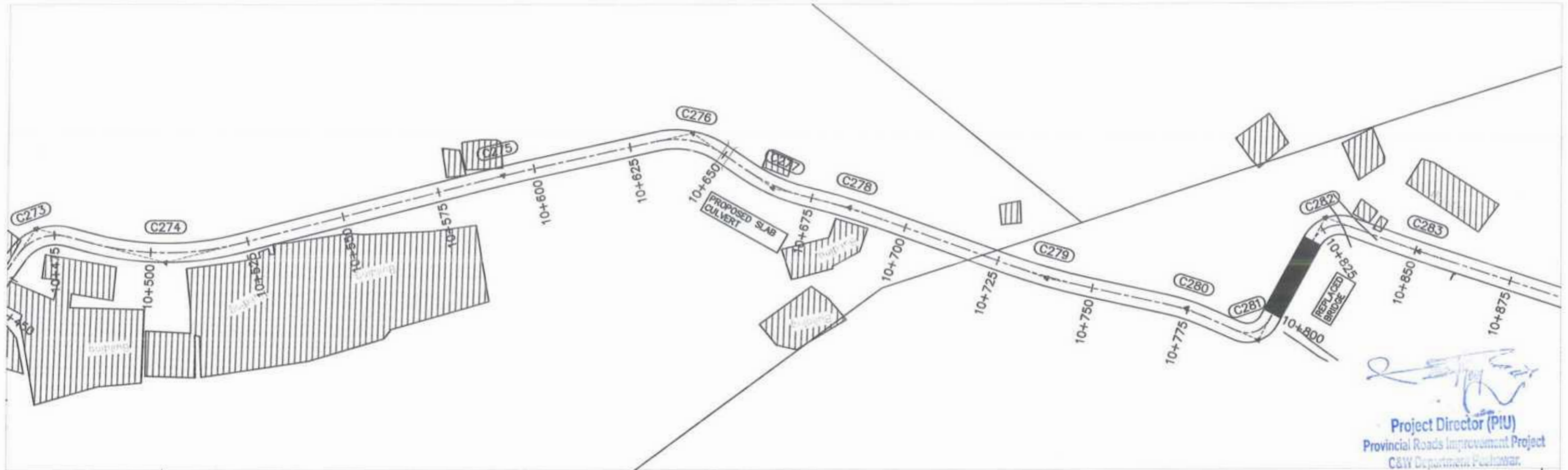




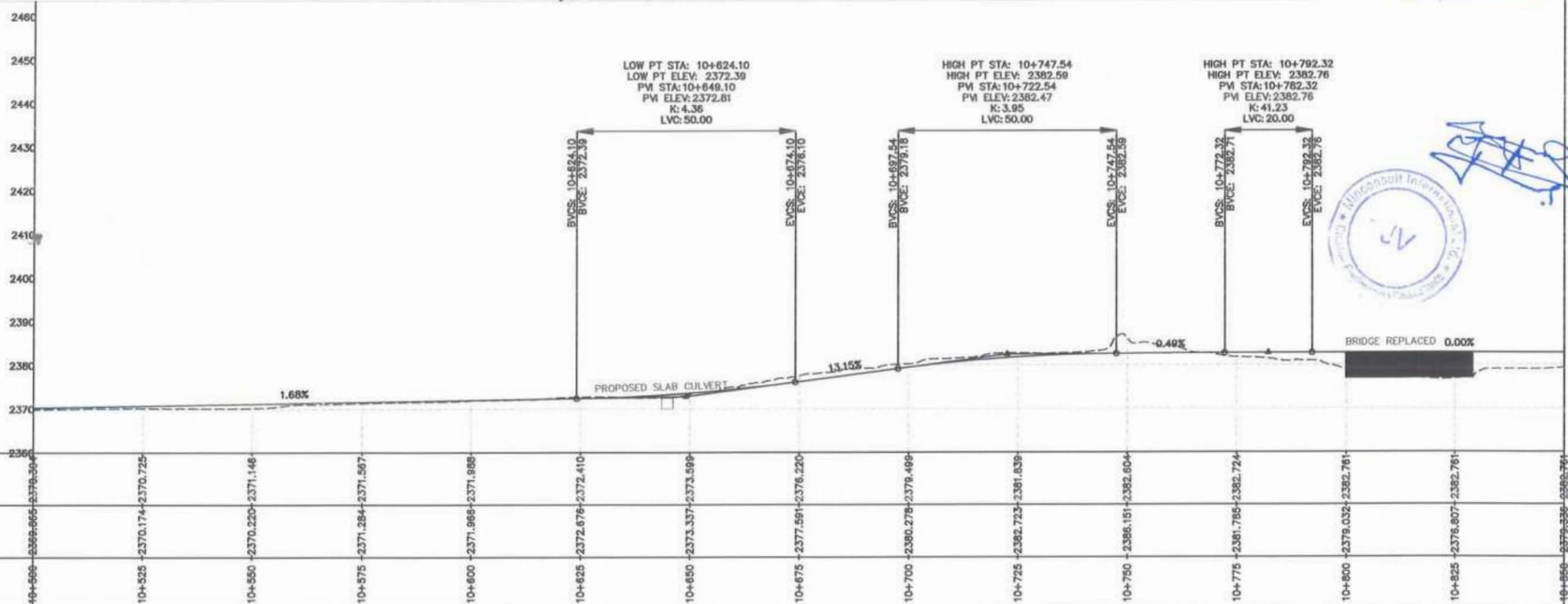


F.R.L	10+150	10+175	10+200	10+225	10+250	10+275	10+300	10+325	10+350	10+375	10+400	10+425	10+450	10+475	10+500
N.S.L	2384.677	2383.720	2383.330	2387.000	2387.577	2387.296	2377.844	2381.578	2381.484	2380.502	2377.768	2374.844	2372.290	2369.689	2366.865
STATION	10+150	10+175	10+200	10+225	10+250	10+275	10+300	10+325	10+350	10+375	10+400	10+425	10+450	10+475	10+500




 CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: PLAN & PROFILE 10+150.00 - 10+500.00 DWG NO CEC/RRDP/RW/UCH-NR1/30	
		0	AUG. 2024		G. DESIGNED				AAMIR KHAN
		a			DRAWN				MOIZ UR RAHMAN
		b			CHECKED				S. DURRANI
		c			APPROVED				AQEEL YOUNIS

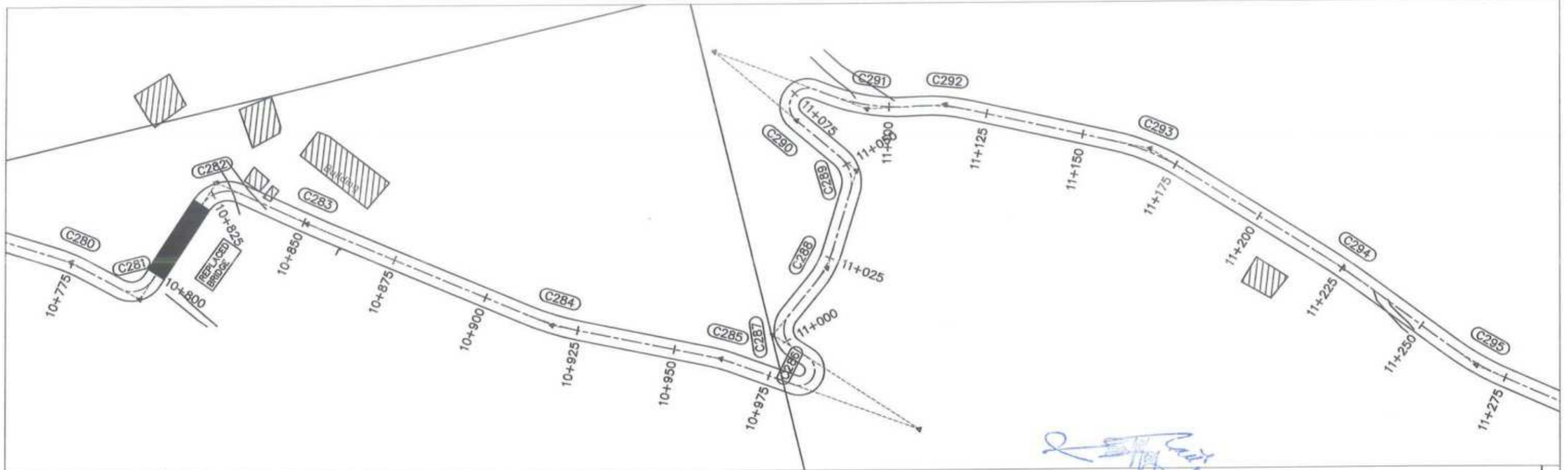



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar.

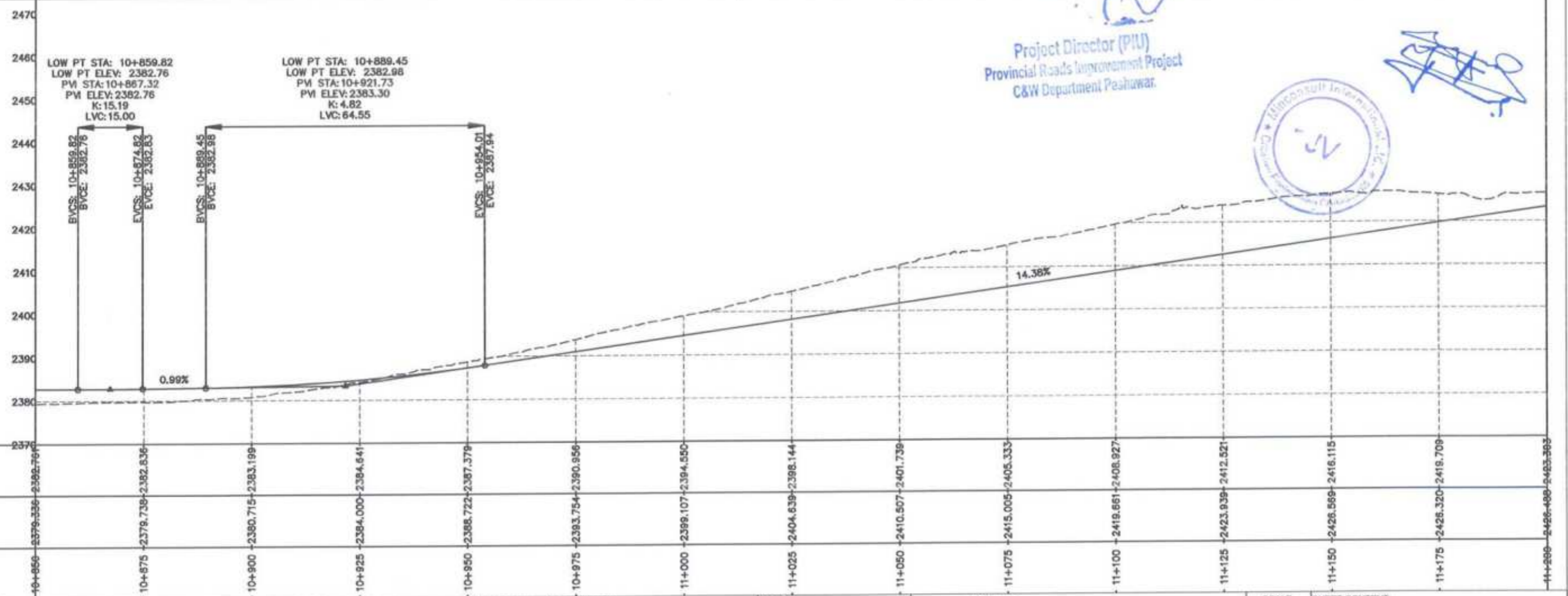


F.R.L	10+500	10+525	10+550	10+575	10+600	10+625	10+650	10+675	10+700	10+725	10+750	10+775	10+800	10+825	10+850
N.S.L	2369.965	2370.174	2370.220	2371.148	2371.988	2372.676	2373.599	2377.581	2380.278	2381.839	2386.151	2382.724	2379.032	2376.807	2382.761
STATION	10+500	10+525	10+550	10+575	10+600	10+625	10+650	10+675	10+700	10+725	10+750	10+775	10+800	10+825	10+850

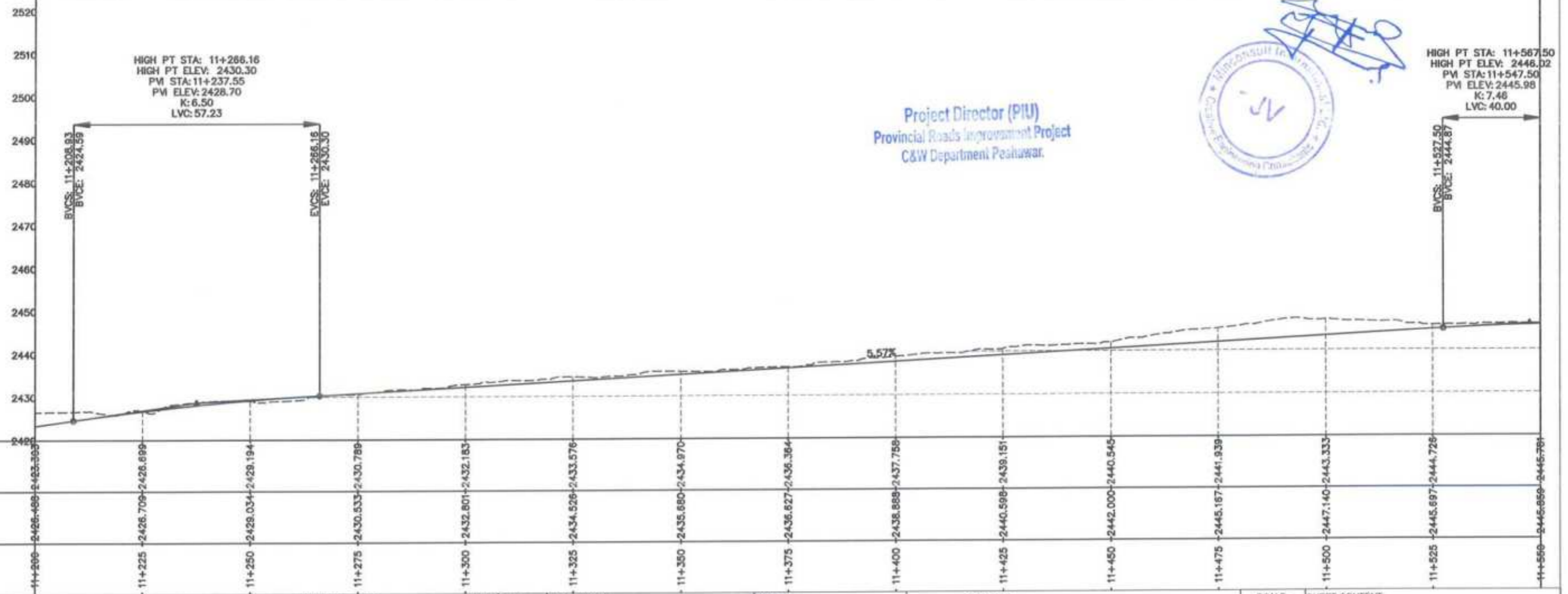
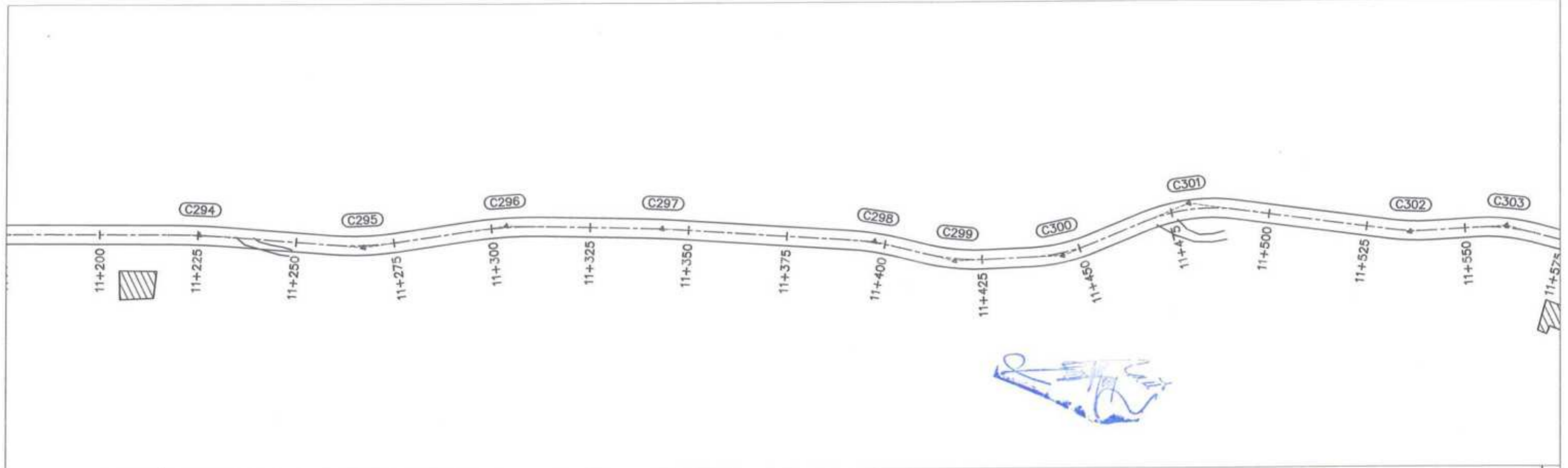
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT	SCALE:	SHEET CONTENT		
		0	AUG, 2024		G.DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
		a			DRAWN	MOIZ UR RAHMAN					
		b			CHECKED	S.DURRANI					
c			APPROVED	AQEEL YOUNIS							
								H=1:1000 V=1:1000	PLAN & PROFILE 10+500.00 - 10+850.00		
								AUG, 2024	DWG NO CEC/RRDP/HR/WUCH-NR/31		



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



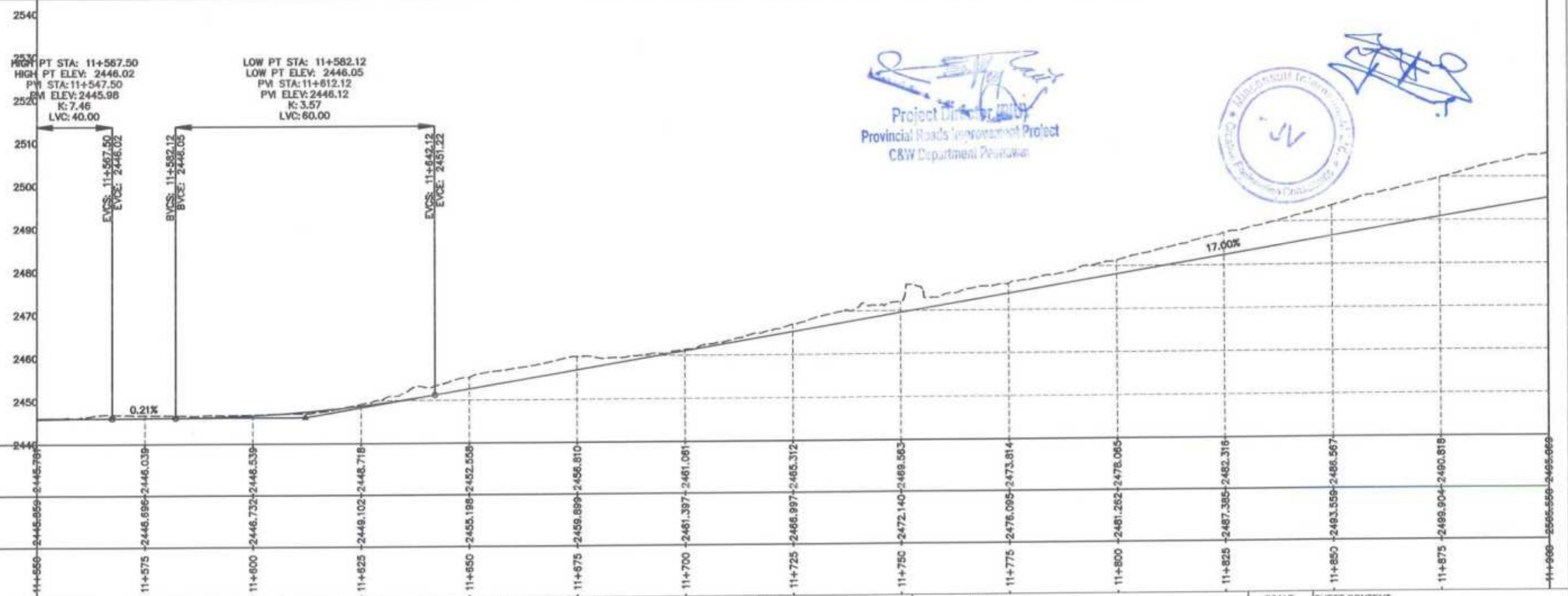
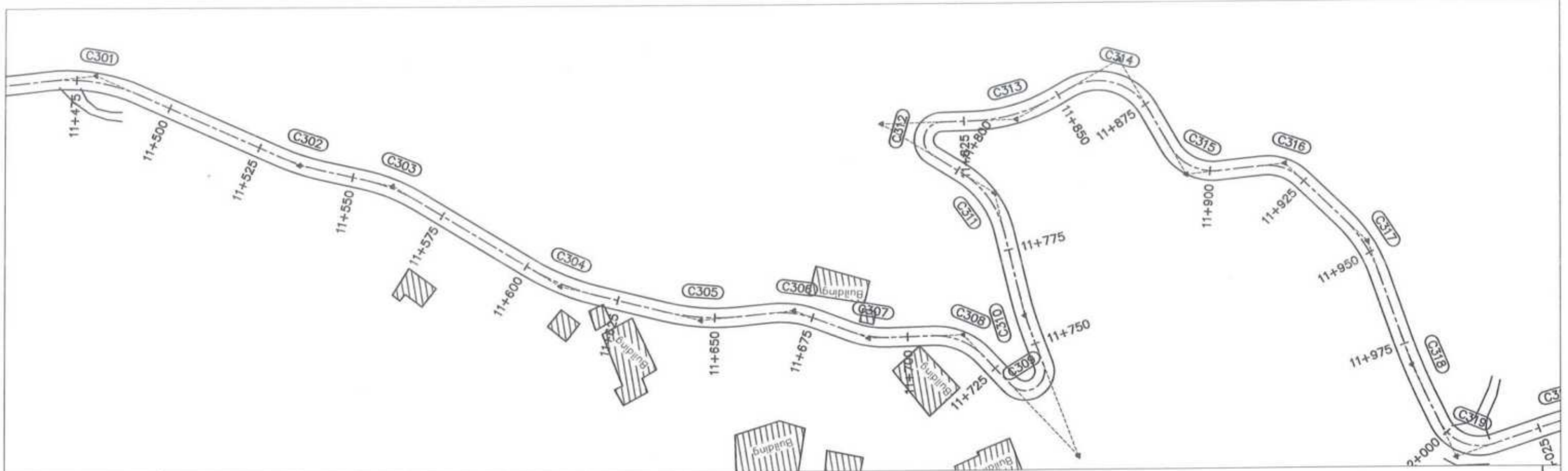
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0	DATE AUG. 2024	DESCRIPTION	NAMES: G. DESIGNED: AAMIR KHAN	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) UCH-NR1 QVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE: H=1:1000 V=1:1000	SHEET CONTENT: PLAN & PROFILE 10+850.00 - 11+200.00 DWG NO. CEC/RRDP/HW/UCH-NR1/ 32
		a			DRAWN: MOIZ UR RAHMAN		AUG, 2024	
		b			CHECKED: S. DURRANI			
		c			APPROVED: AQEEL YOUSUF			



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



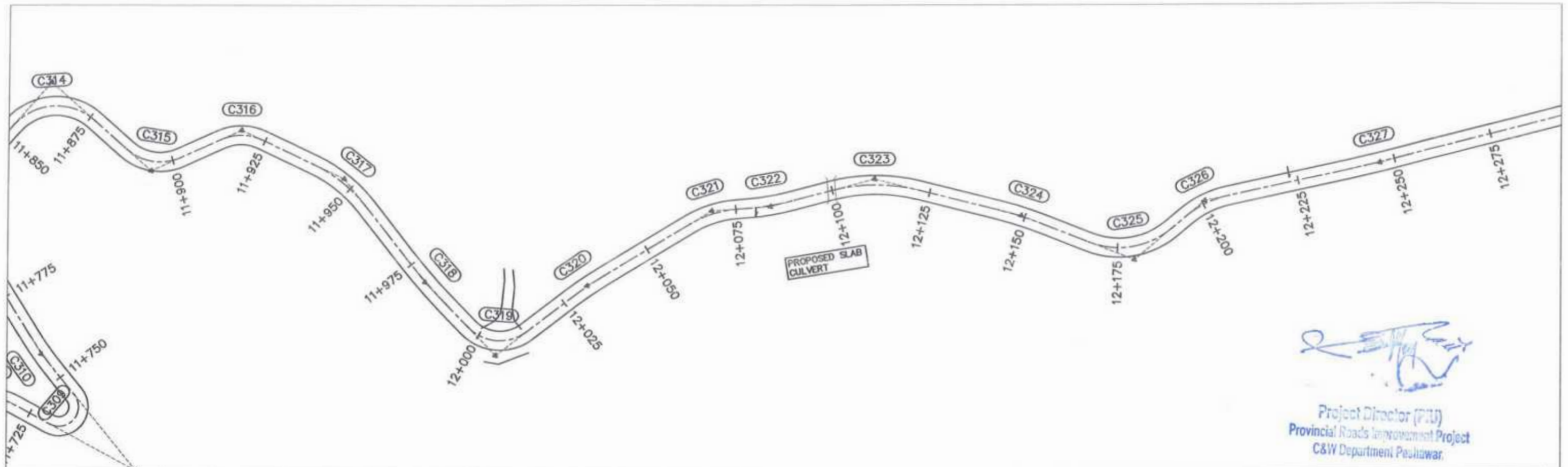
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024		G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000	PLAN & PROFILE 11+200.00 - 11+550.00
		a			DRAWN	MOIZ UR RAHMAN			AUG,	
		b			CHECKED	S.DURRANI			2024	
c			APPROVED	AQEEL YOUNIS	DWG NO.CEC/RRDP#W/UCH-NR1/					
33										



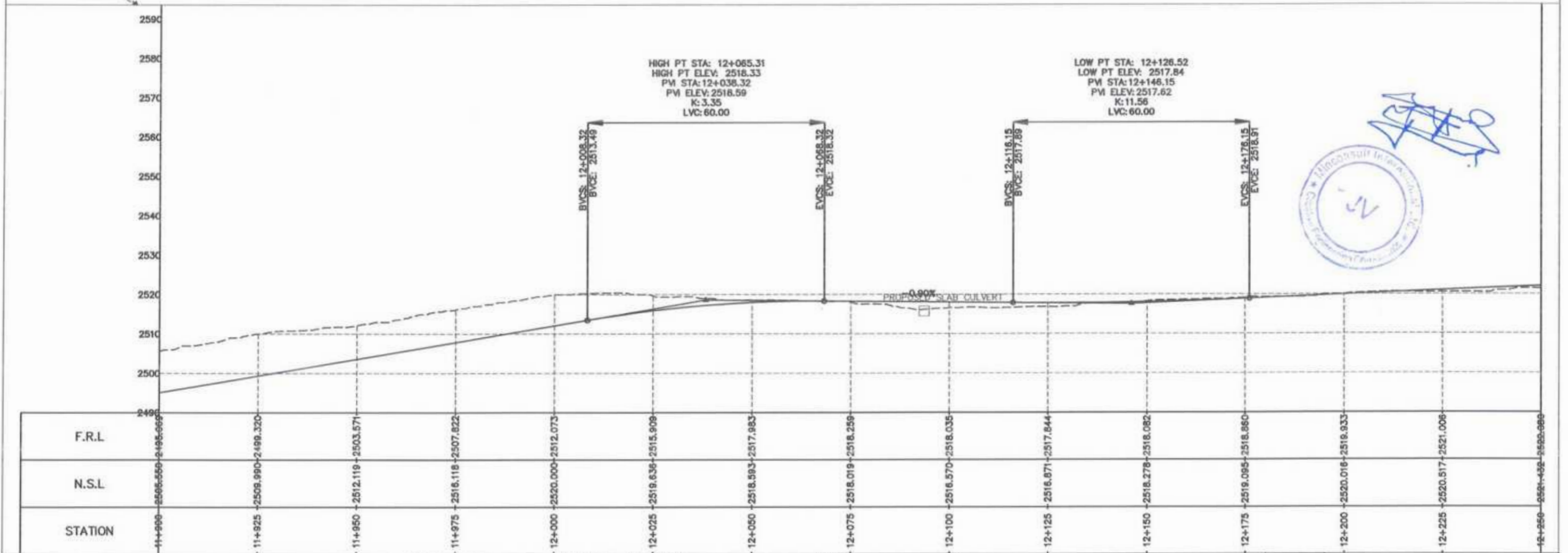
Project Director
 Provincial Roads Improvement Project
 C&W Department Peshawar



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024		G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000	PLAN & PROFILE 11+550.00 - 11+900.00
		e			DRAWN	MOIZ UR RAHMAN			
		b			CHECKED	S. DURRANI			
c			APPROVED	AQEEL YOUNIS					
							AUG. 2024	DWG NO. CEC/RRDP/HW/UCH-NR1/34	

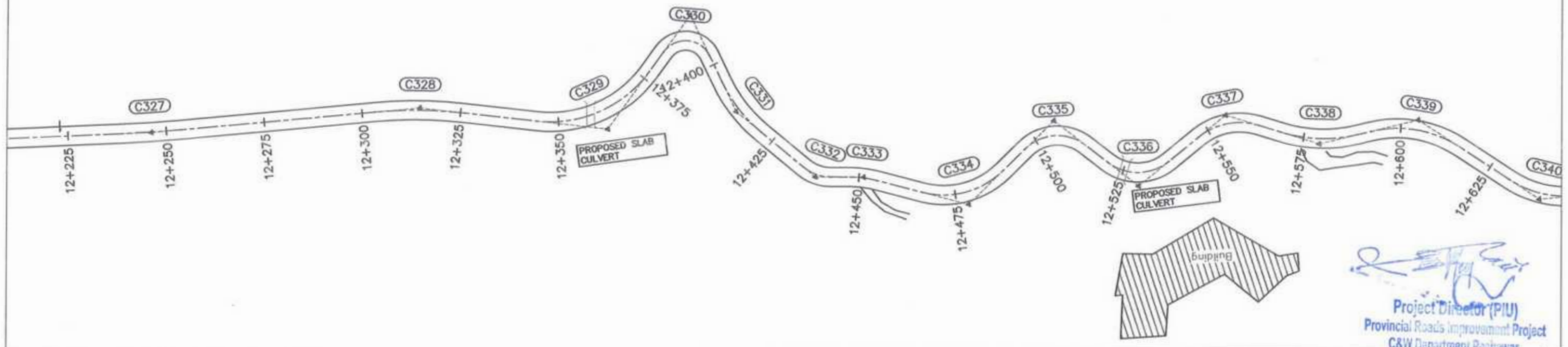


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

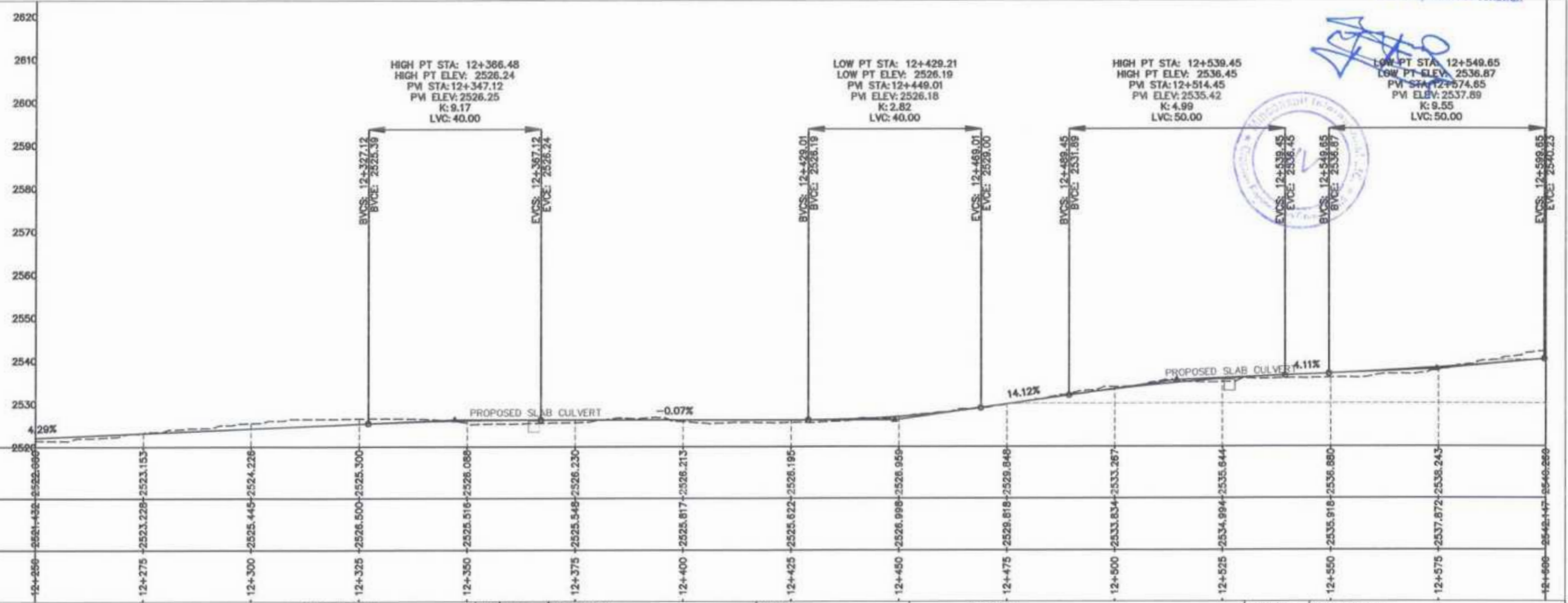


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b c	DATE AUG. 2024	DESCRIPTION	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S. DURRANI APPROVED: AGEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 11+900.00 - 12+250.00 DWG NO. CEC/RRDP/HW/UCH-NR1/35
--	---	-------------------------	----------------------	-------------	---	--	--	---

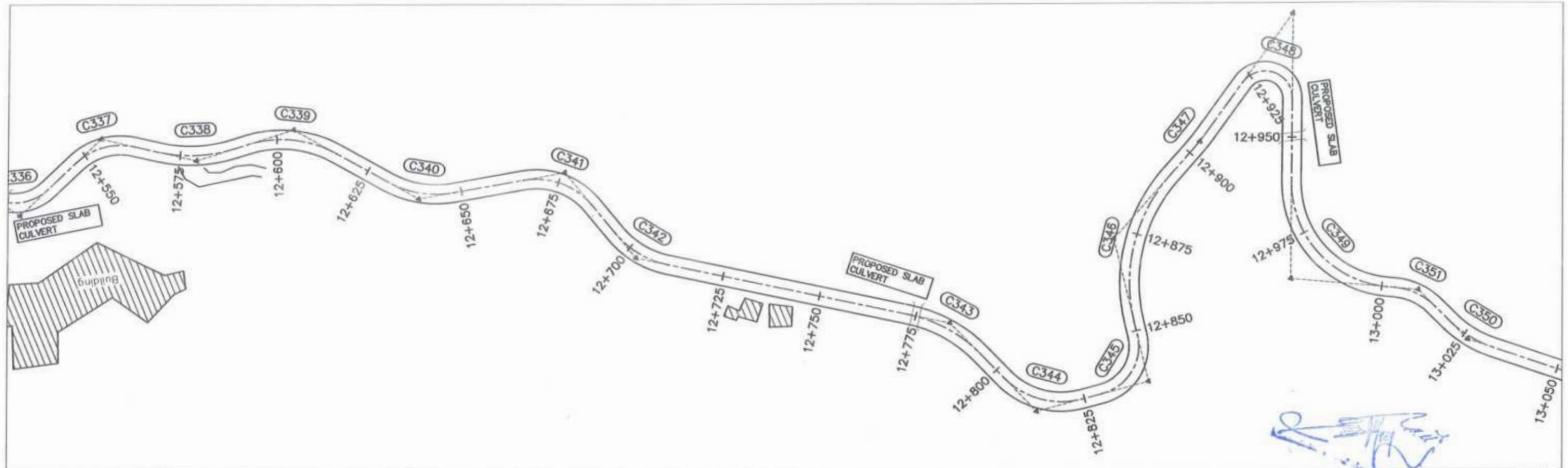


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

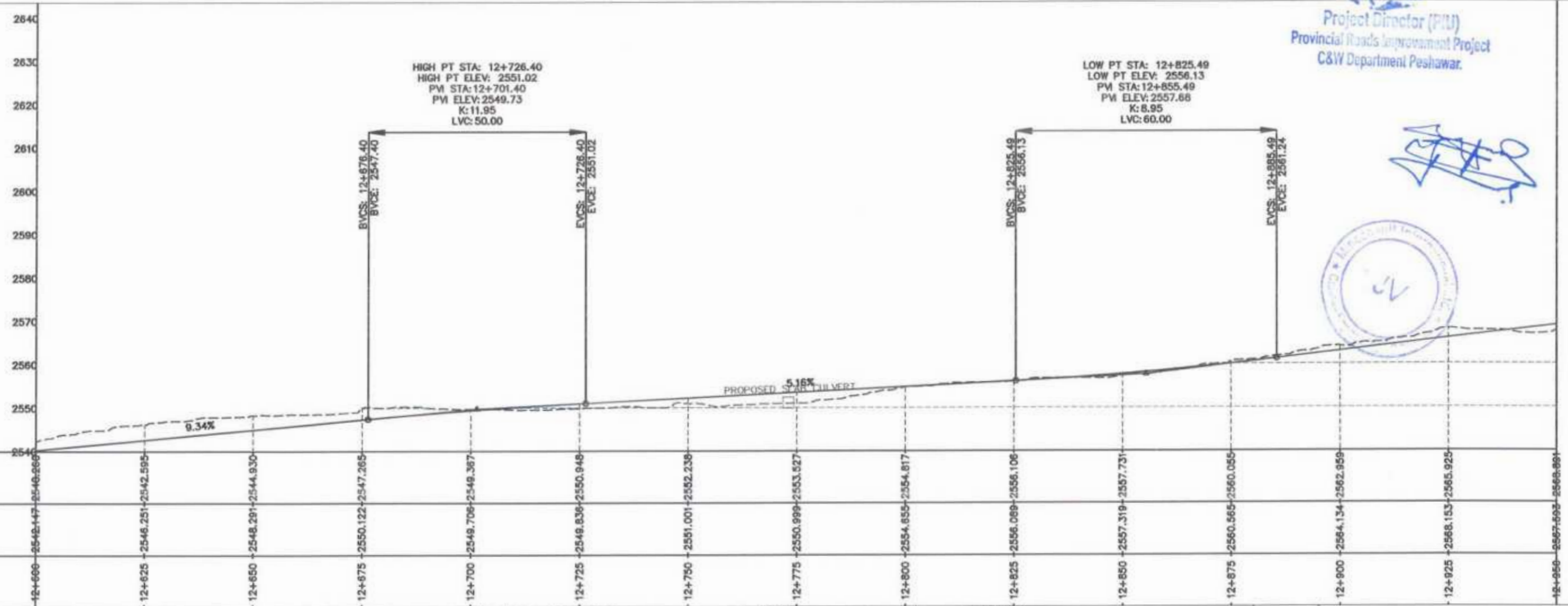


F.R.L	12+256	12+275	12+300	12+325	12+350	12+375	12+400	12+425	12+450	12+475	12+500	12+525	12+550	12+575	12+600
N.S.L	2520.00	2523.153	2525.445	2525.300	2525.088	2525.230	2525.213	2525.195	2525.950	2525.848	2533.267	2535.644	2535.880	2537.872	2540.260
STATION	12+256	12+275	12+300	12+325	12+350	12+375	12+400	12+425	12+450	12+475	12+500	12+525	12+550	12+575	12+600

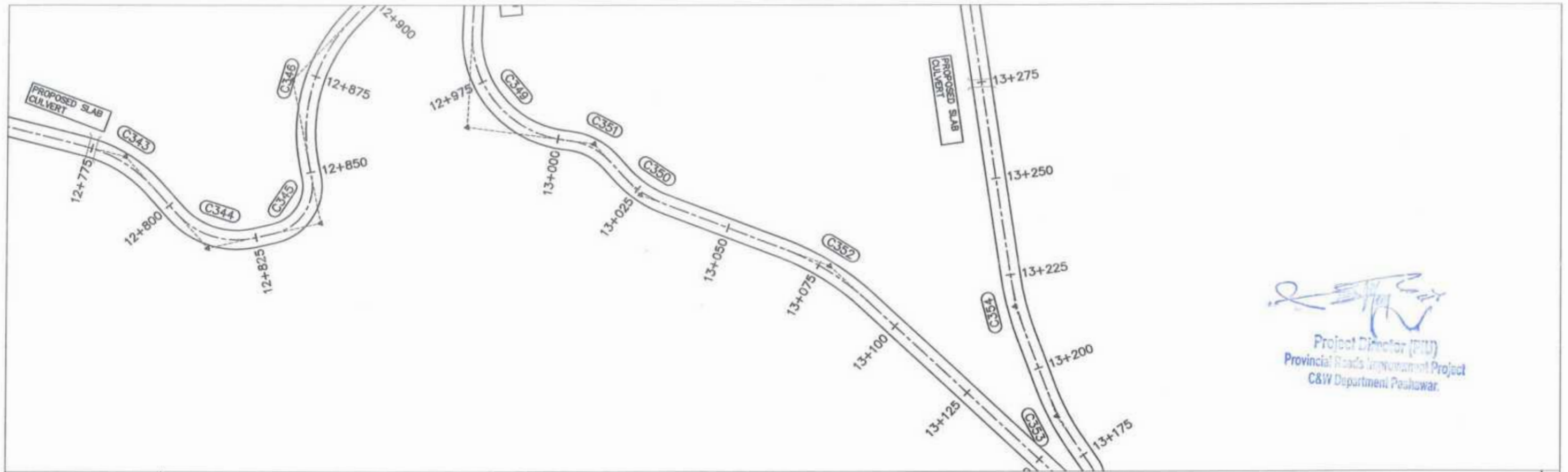
<p>CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:	
	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024		G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000 AUG, 2024	PLAN & PROFILE 12+250.00 - 12+600.00 DWG NO. CEC/RRDP/PIU/UCH-NR1/ 36
				DRAWN	MOIZ UR RAHMAN					
				CHECKED	S.DURRANI					
				APPROVED	AOEEL YOUNIS					



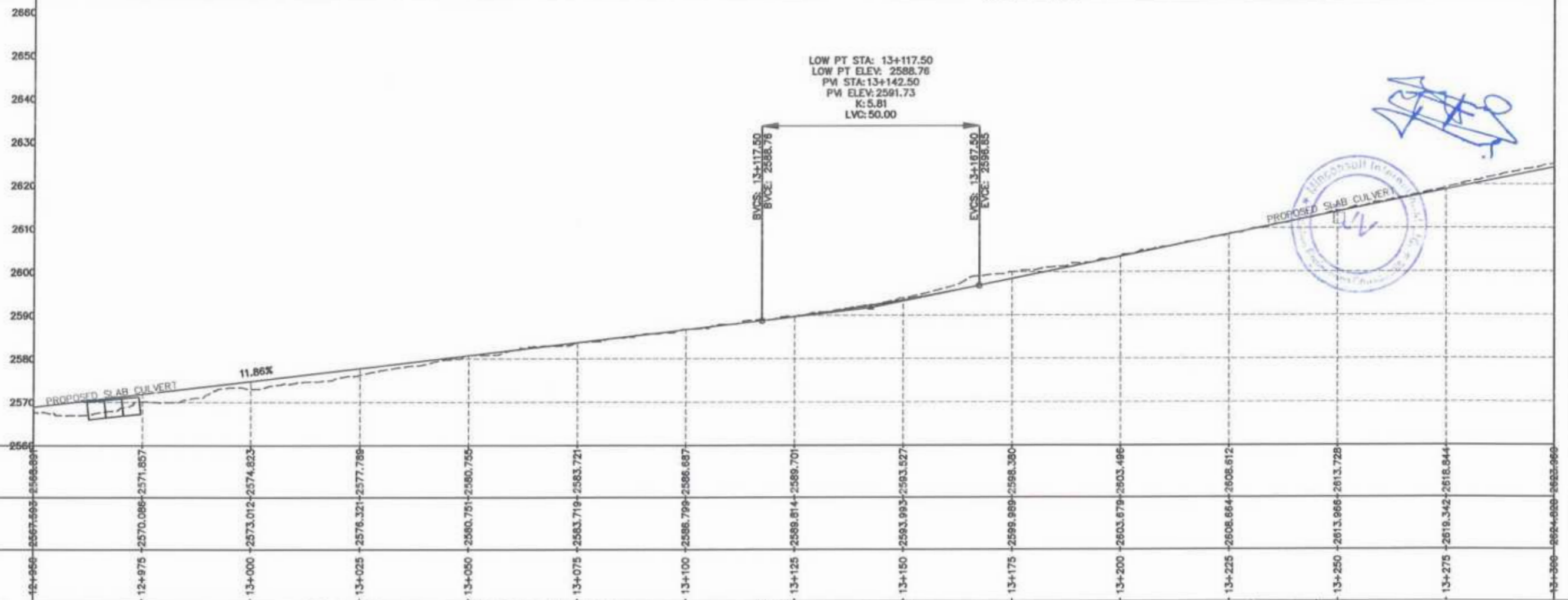
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.






CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024		G.DESIGNED	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 12+600.00 - 12+950.00	
		a			DRAWN		AAMIR KHAN		AUG.
		b			CHECKED		S.DURRANI		2024
		c			APPROVED		AQEEL YOUNIS		
							DWG NO CEC/RRDP/HW/UCH-NR1/37		

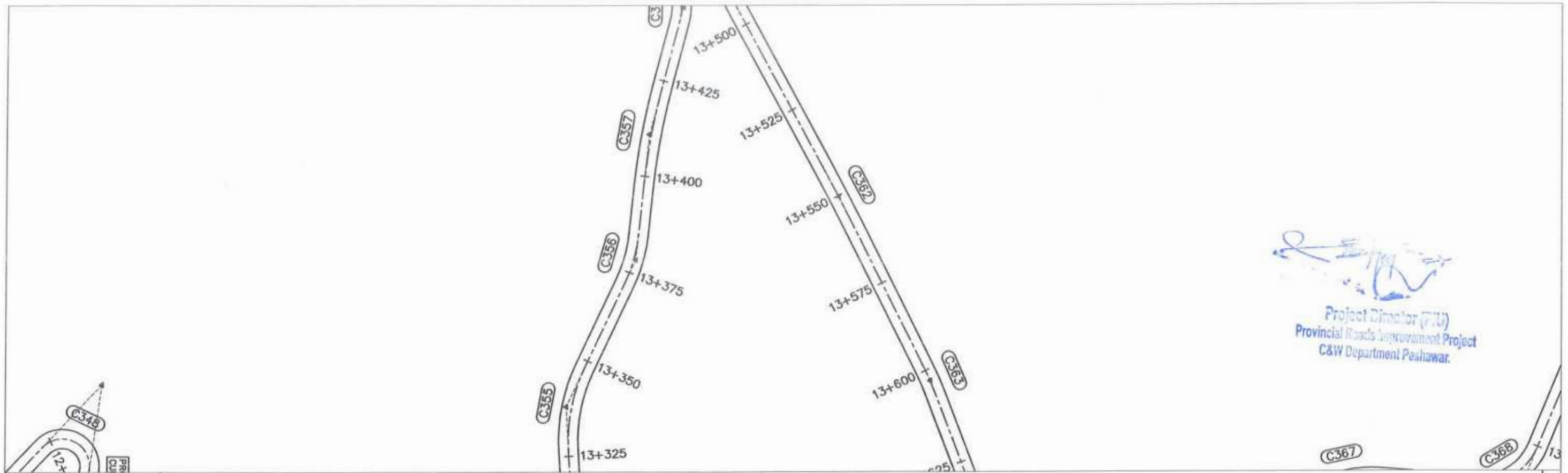



 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

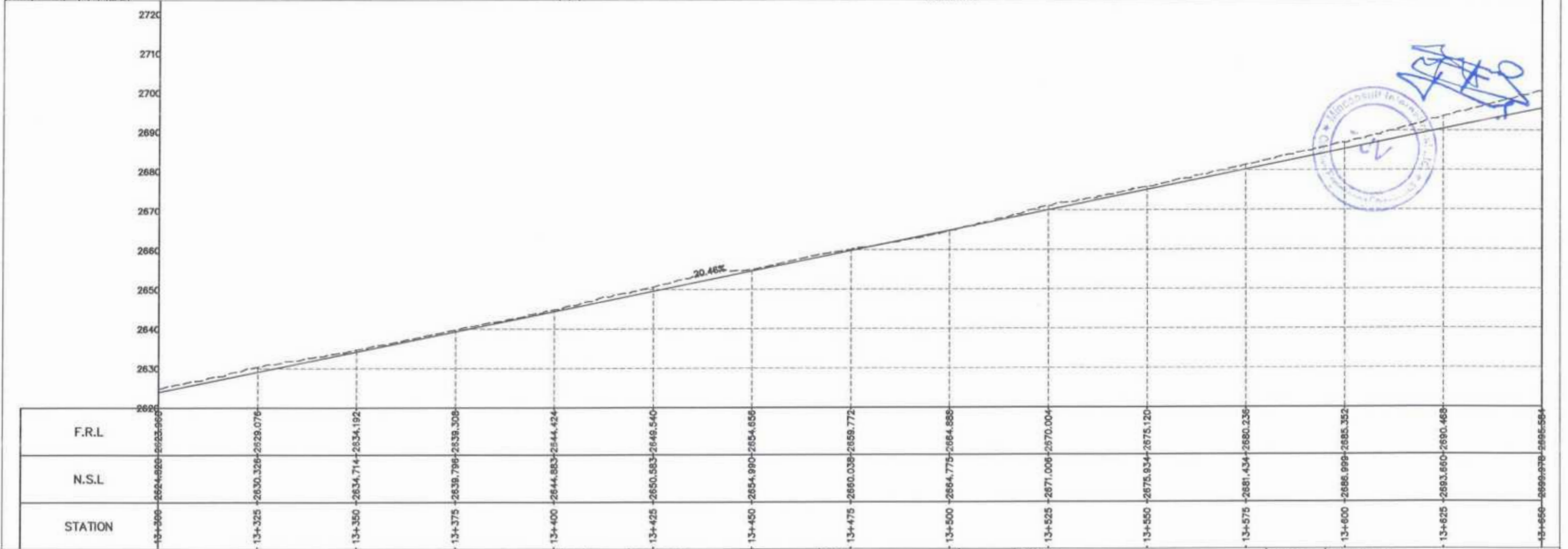




F.R.L	2567.593	2570.086	2571.857	2573.012	2574.823	2576.321	2577.788	2580.751	2580.755	2583.719	2583.721	2586.799	2586.687	2589.814	2589.701	2593.993	2593.527	2598.989	2598.380	2603.679	2603.486	2608.664	2608.612	2613.966	2613.728	2618.342	2618.844	2624.858	2623.966
N.S.L	2567.593	2570.086	2571.857	2573.012	2574.823	2576.321	2577.788	2580.751	2580.755	2583.719	2583.721	2586.799	2586.687	2589.814	2589.701	2593.993	2593.527	2598.989	2598.380	2603.679	2603.486	2608.664	2608.612	2613.966	2613.728	2618.342	2618.844	2624.858	2623.966
STATION	12+966	12+975	13+000	13+025	13+050	13+075	13+100	13+125	13+150	13+175	13+200	13+225	13+250	13+275	13+300														

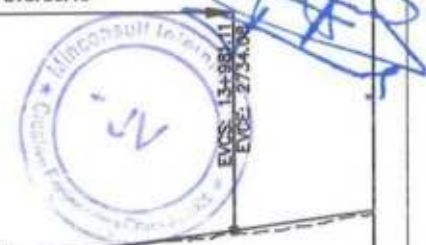
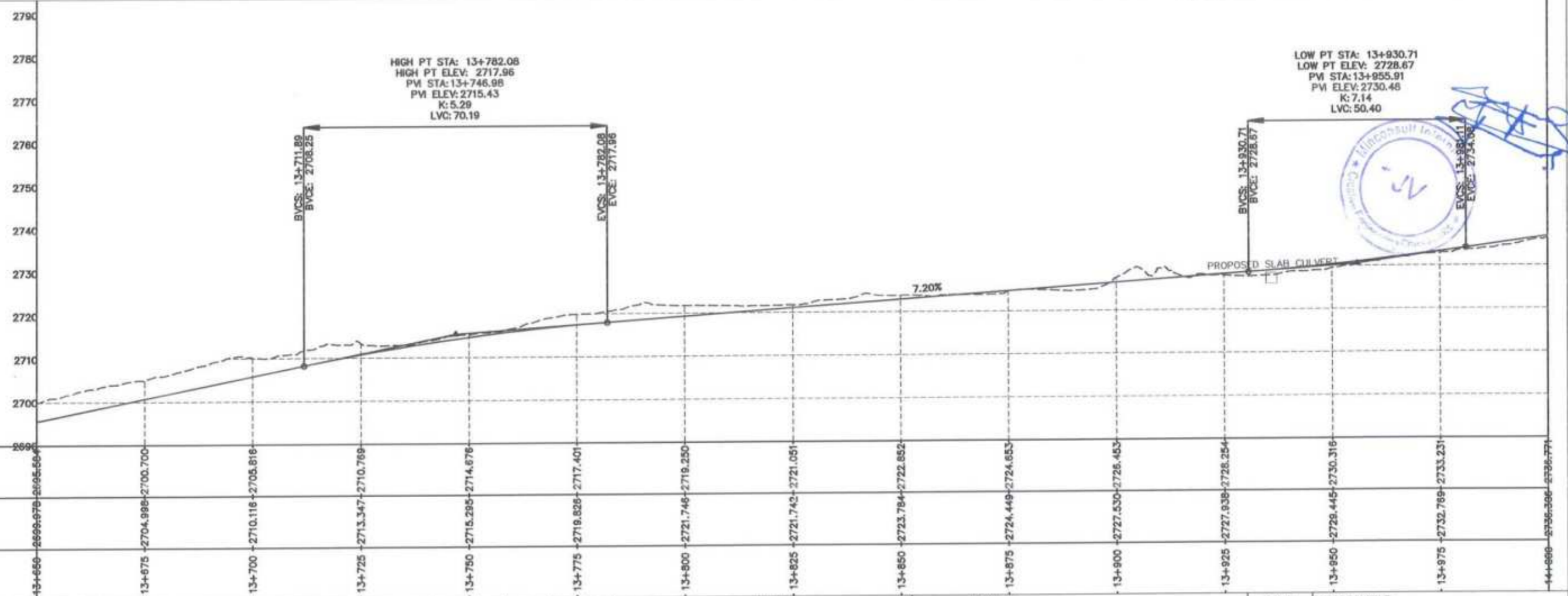
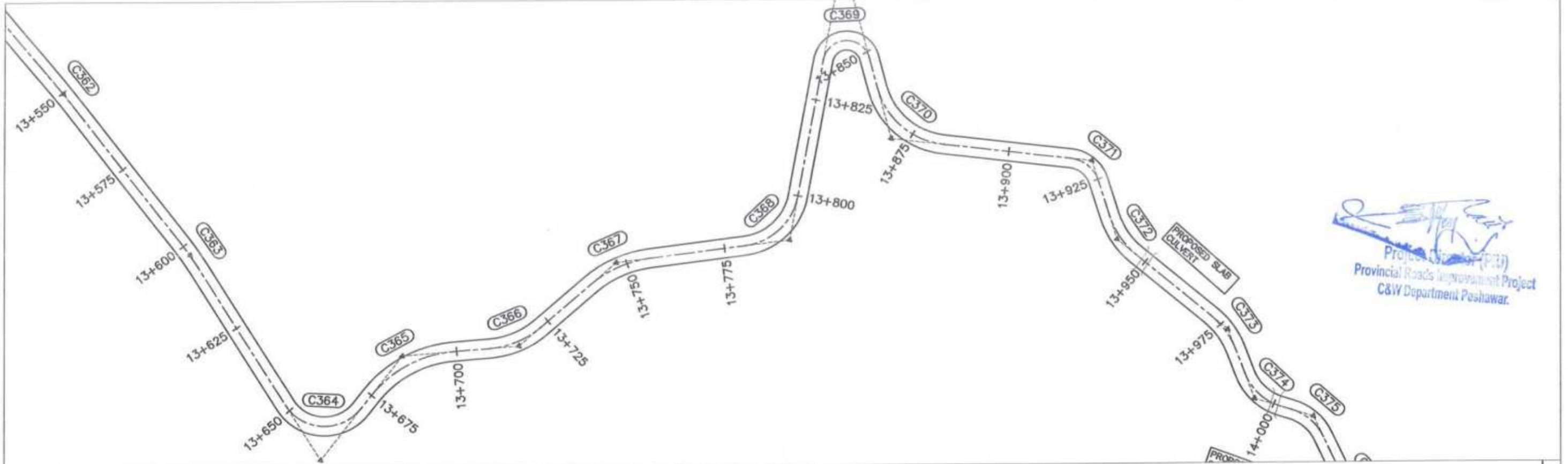
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE H=1:1000 V=1:1000 AUG, 2024	SHEET CONTENT UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 12+950.00 - 13+300.00 DWG NO. CEC/RRDP/HWAUCH-NR1/38	
		0	AUG, 2024		G DESIGNED				AAMIR KHAN
		a			DRAWN				MOIZ UR RAHMAN
		b			CHECKED				S. DURRANI
				APPROVED	AGEEL YOUNIS				



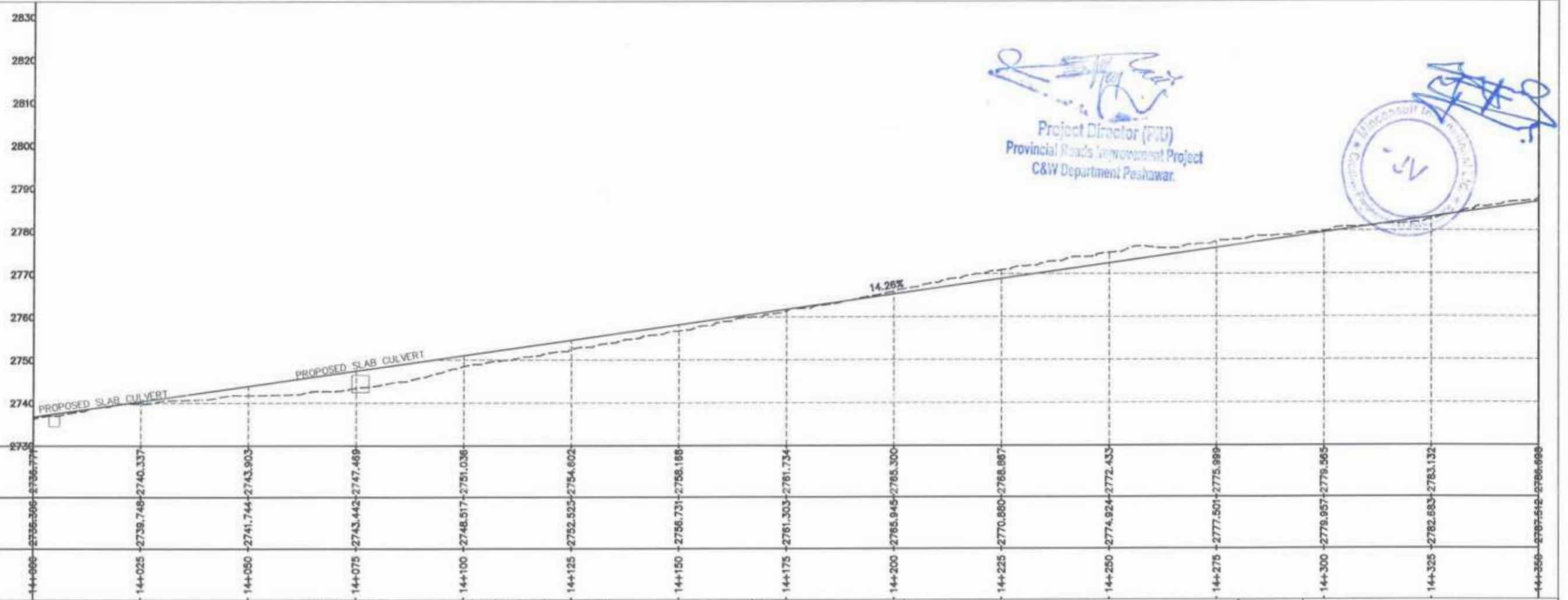
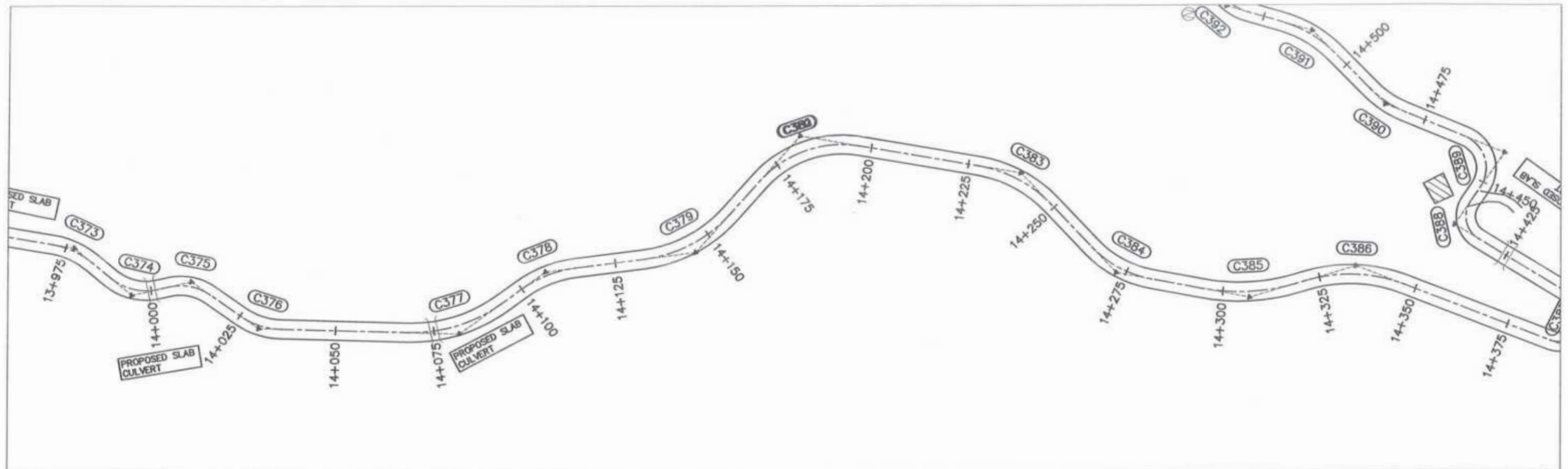

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV. DATE DESCRIPTION 0 AUG. 2024 a b c	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S. DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: PLAN & PROFILE 13+300.00 - 13+650.00 DWG NO. CEC/RRDP/HW/UCH-NR1/ 39
--	---	---	---	--	--	---	--






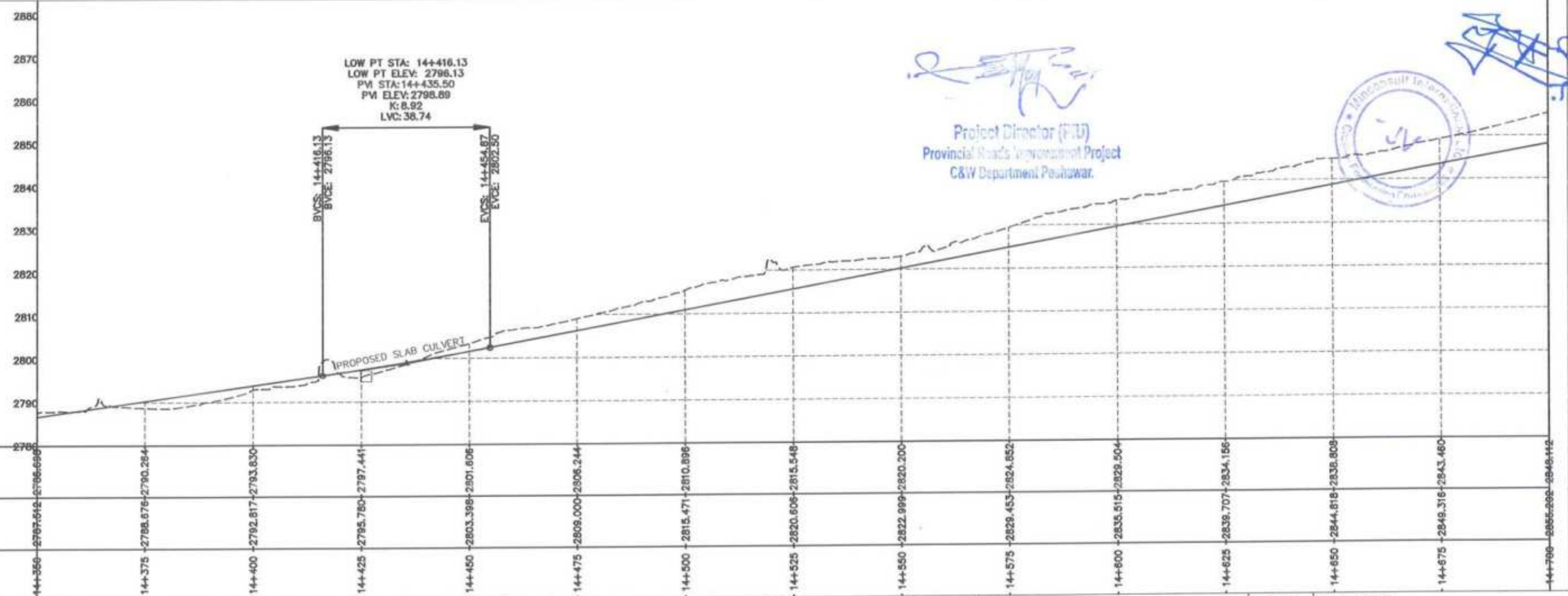
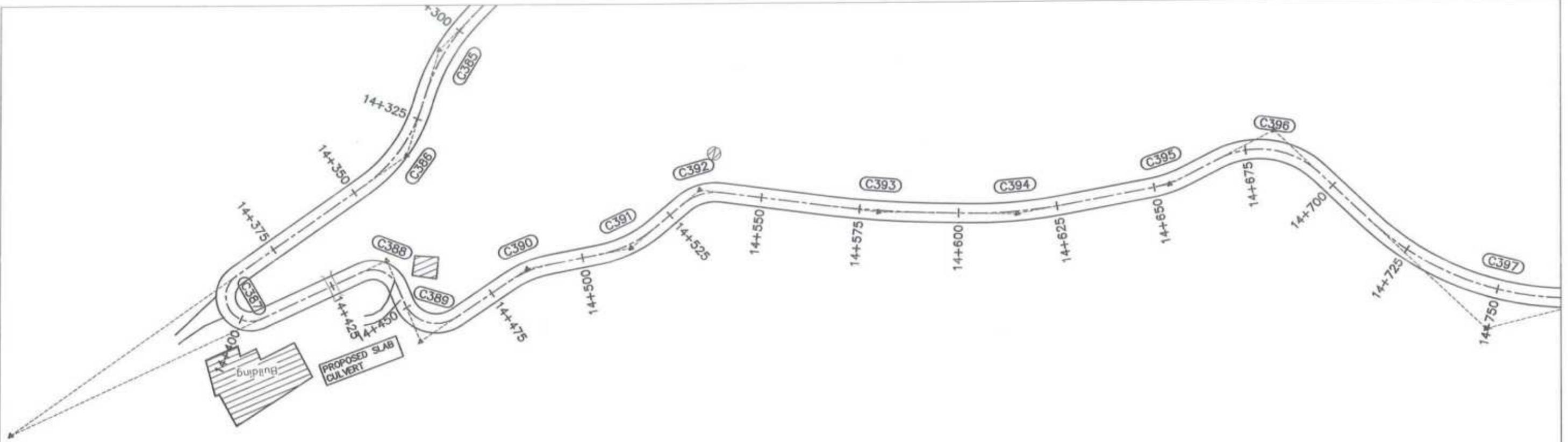
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0	DATE AUG. 2024	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
		a			G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	PLAN & PROFILE 13+650.00 - 14+000.00
		b			DRAWN	MOIZ UR RAHMAN			
		c			CHECKED	S. DURRANI			
			APPROVED	AQEEL YOUNIS					
							AUG. 2024	DWG NO. CEC/RRDP/HW/UCH-NR1/40	




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.




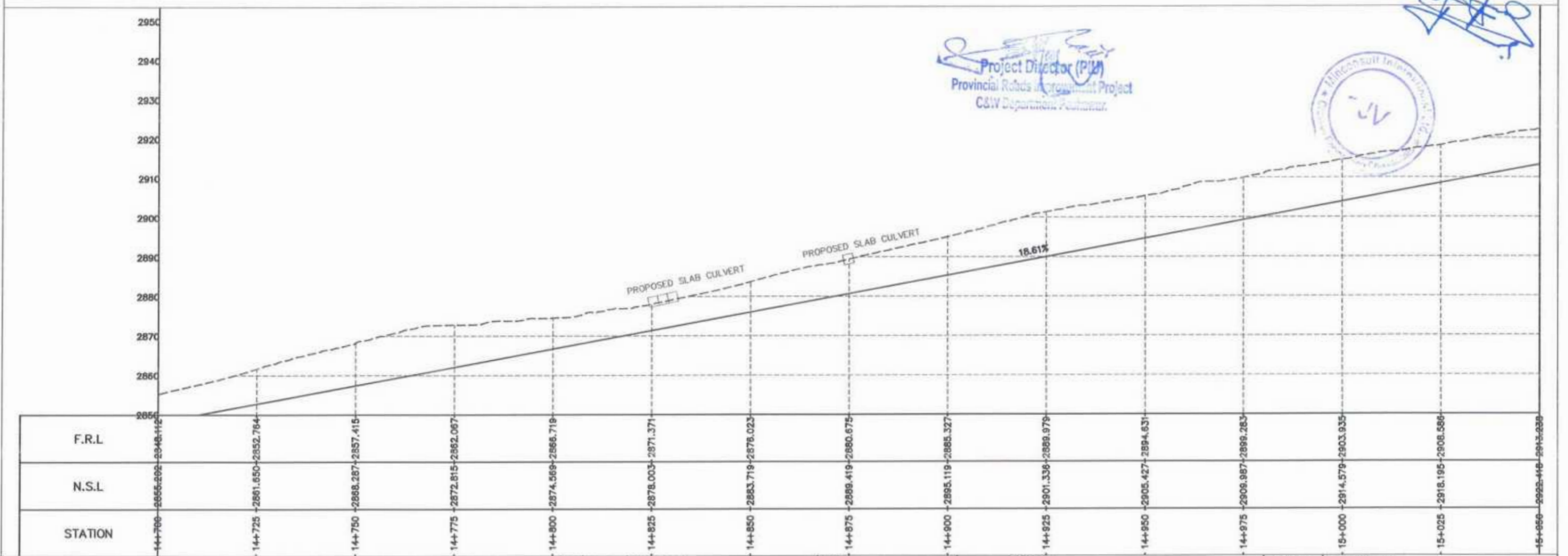
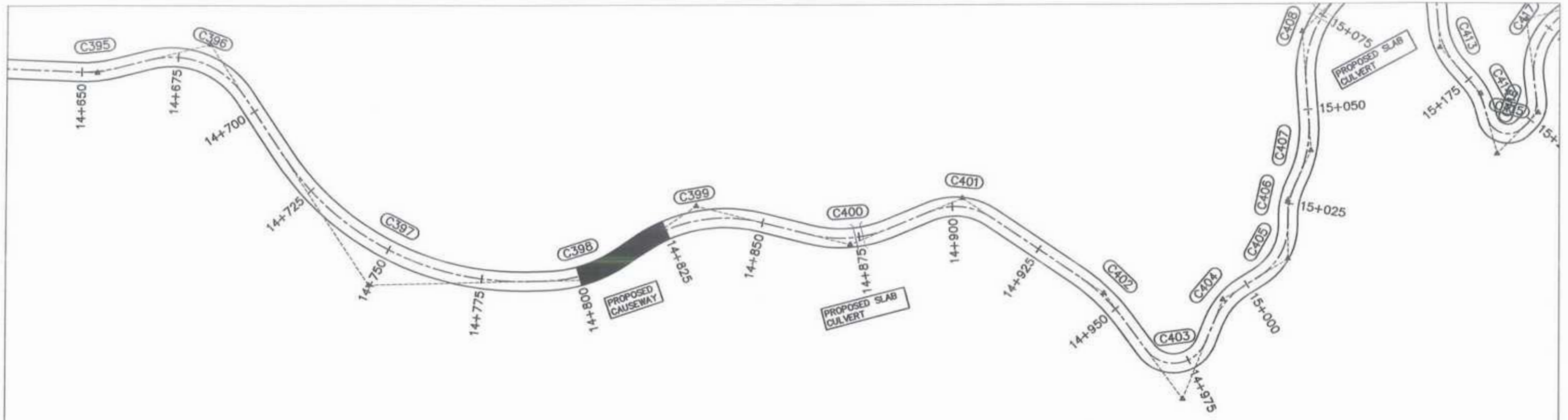
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:  MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV. DATE DESCRIPTION 0 AUG. 2024 a b c	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S. DURRANI APPROVED: ADEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 14+000.00 - 14+350.00 DWG NO. CECRRDP/PAH/UCH-NR1/ 41
--	---	---	---	--	---	--




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



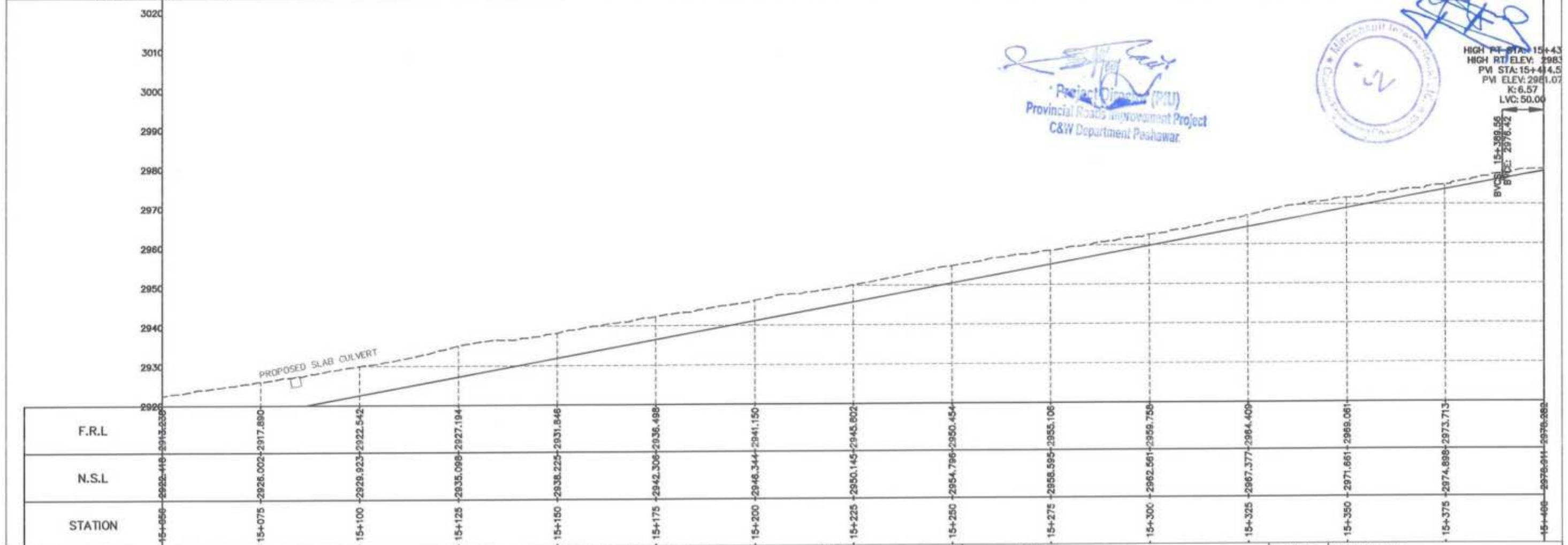
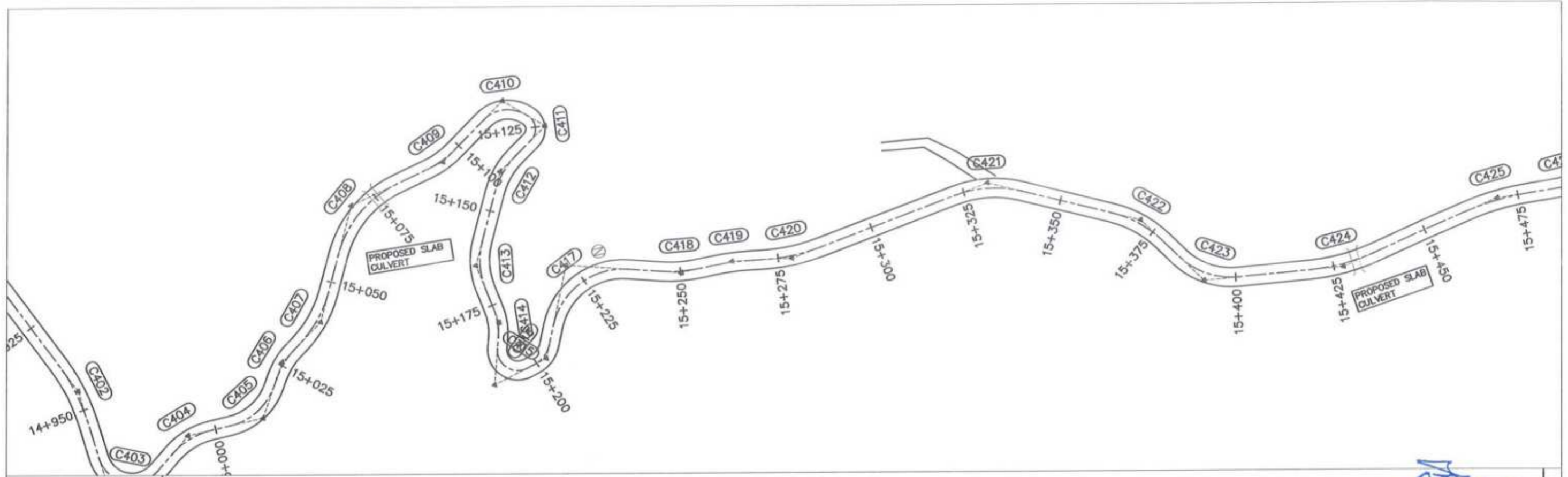
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
		MIN CONSULT	0	AUG, 2024		G. DESIGNED	AMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	H=1:1000 V=1:1000 AUG, 2024 PLAN & PROFILE 14+350.00 - 14+700.00 DWG NO. CEC/RRDP/PIU/UCH-NR1/42
		J.V.	a			DRAWN	MOIZ UR RAHMAN			
		CREATIVE ENGINEERING CONSULTANTS (CEC)	b			CHECKED	S. DURRANI			
			c			APPROVED	AQEEL YOUNIS			



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Islamabad






<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
	MIN CONSULT	0	AUG, 2024		G.DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	PLAN & PROFILE 14+700.00 - 15+050.00
	J.V.	a			DRAWN: MOIZ UR RAHMAN		UCH-NR1	
	<p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	b			CHECKED: S.DURRANI		OVER ROAD CHITRAL	
		c					APPROVED: AQEEL YOUNIS	
						AUG, 2024	DWG NO.CEC/RRDP/HW/UCH-NR1/43	

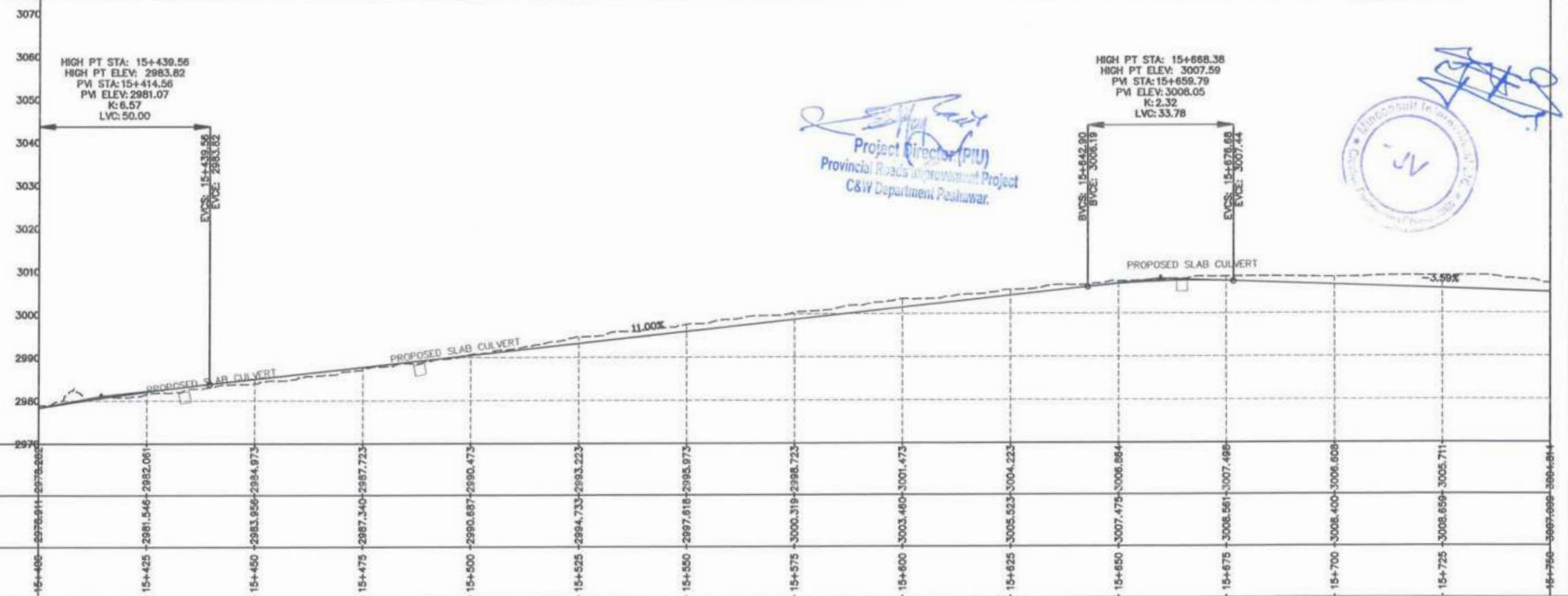
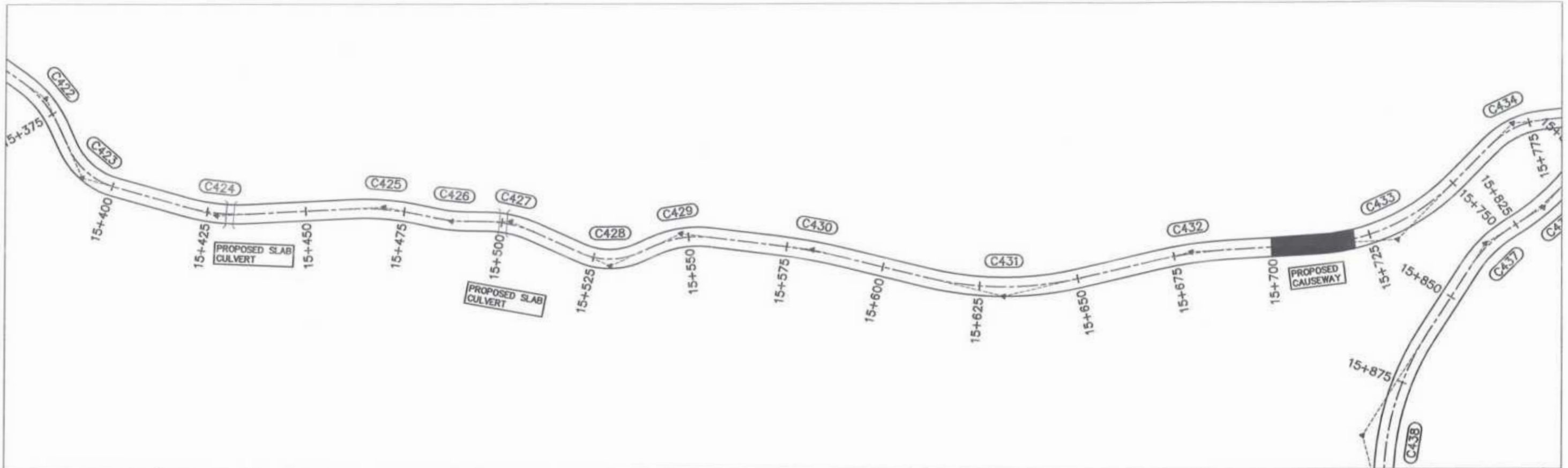



 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



HIGH PT STA: 15+43
 HIGH RT ELEV: 2983
 PW STA: 15+44.5
 PW ELEV: 2981.07
 K: 6.57
 LVC: 50.00
 BVC STA: 15+389.59
 ELEV: 2976.42

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES	PROJECT:	SCALE:	SHEET CONTENT:	
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024		G.DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000	PLAN & PROFILE 15+050.00 - 15+400.00	
		a			DRAWN	MOIZ UR RAHMAN			
		b			CHECKED	S.DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	AUG.
		c			APPROVED	AOEEL YOUNIS			2024

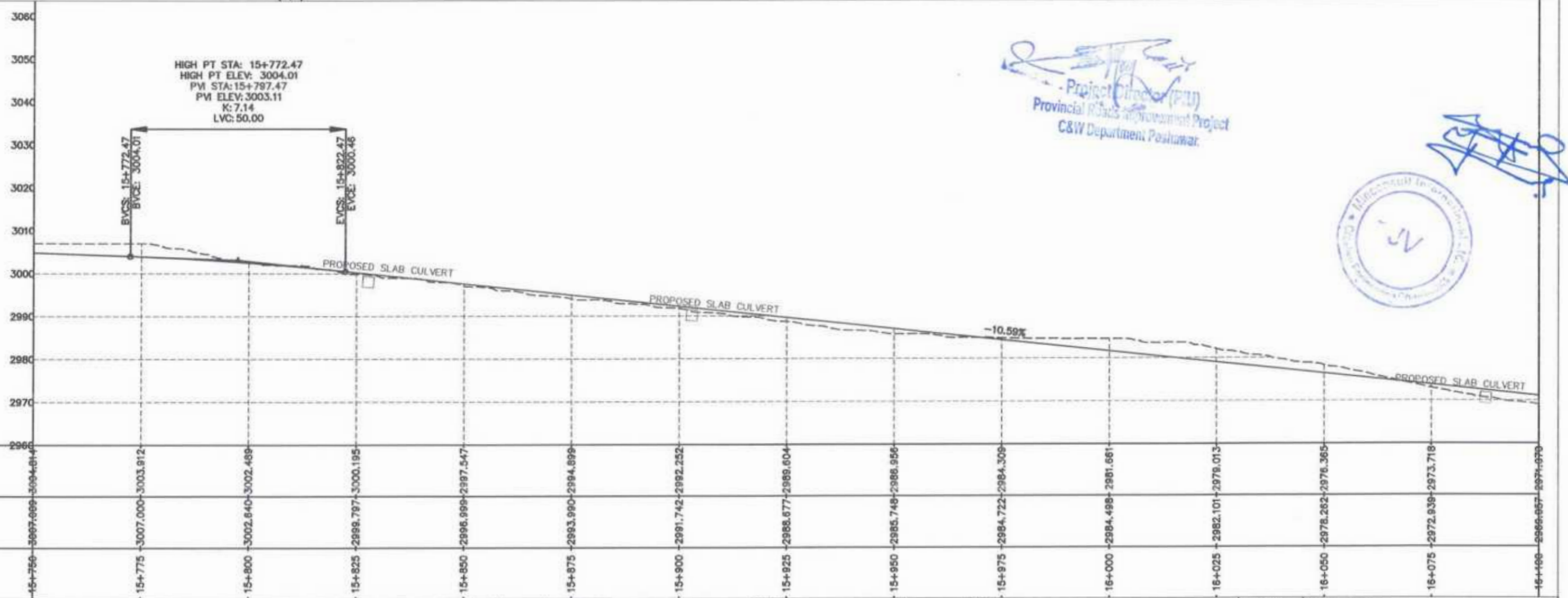
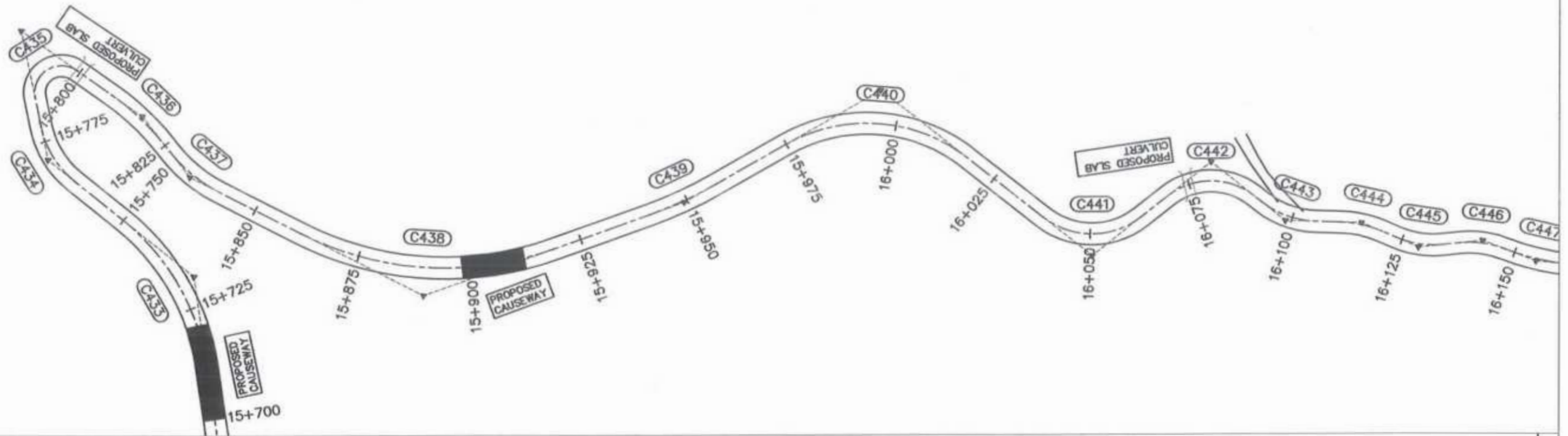


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Signature]
 [Circular Stamp]

F.R.L	2978.811	2981.546	2982.061	2983.956	2984.973	2987.340	2987.723	2990.687	2990.473	2994.733	2993.223	2997.818	2995.973	3000.319	2998.723	3003.460	3001.473	3005.523	3004.223	3007.475	3006.864	3008.561	3007.488	3008.400	3006.608	3005.711	3007.999	3004.814
N.S.L																												
STATION	15+400	15+425	15+450	15+475	15+500	15+525	15+550	15+575	15+600	15+625	15+650	15+675	15+700	15+725	15+750													

GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: PLAN & PROFILE 15+400.00 - 15+750.00 DWG NO. CEC/RRDP/HW/UCH-NR1/45	
		0	AUG. 2024		G. DESIGNED				AAMIR KHAN
		a			DRAWN				MOIZ UR RAHMAN
		b			CHECKED				S. DURRANI
					APPROVED				AOEEL YOUNIS

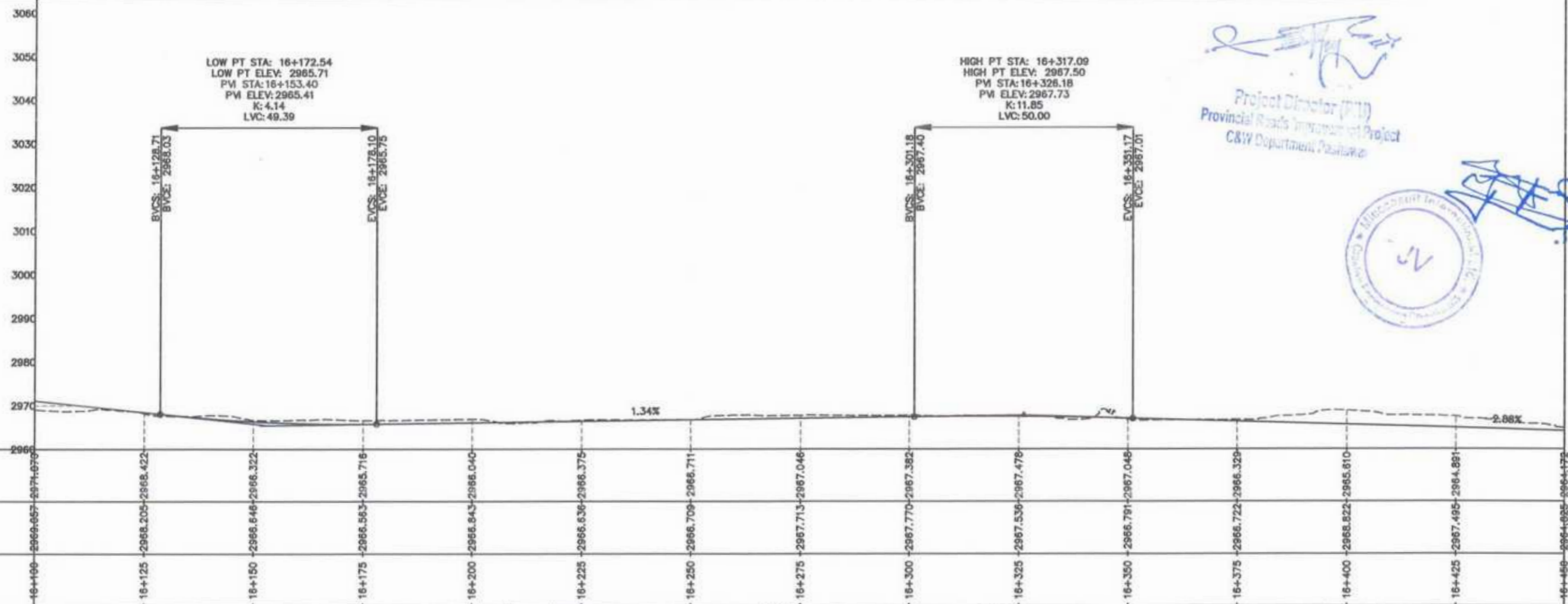
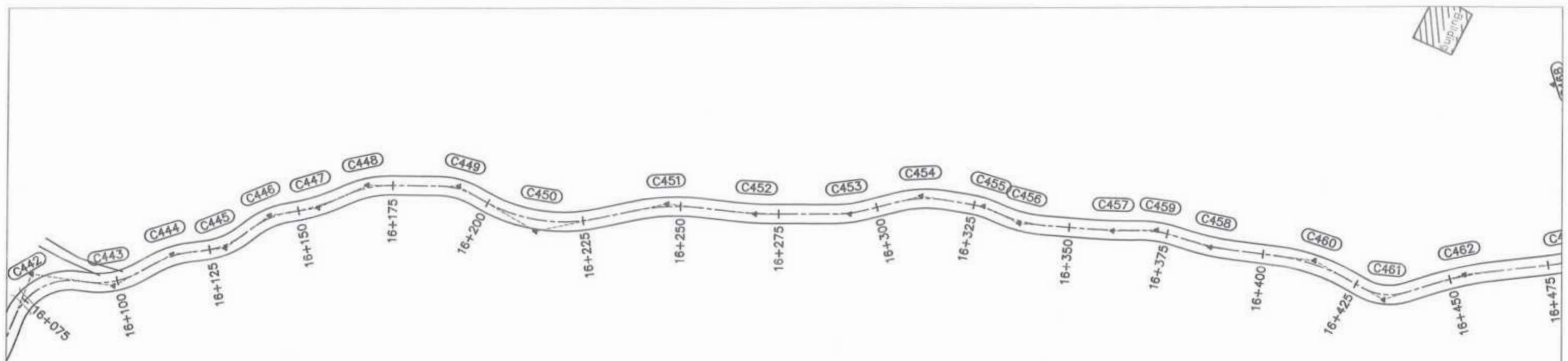


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.






[Handwritten signature]

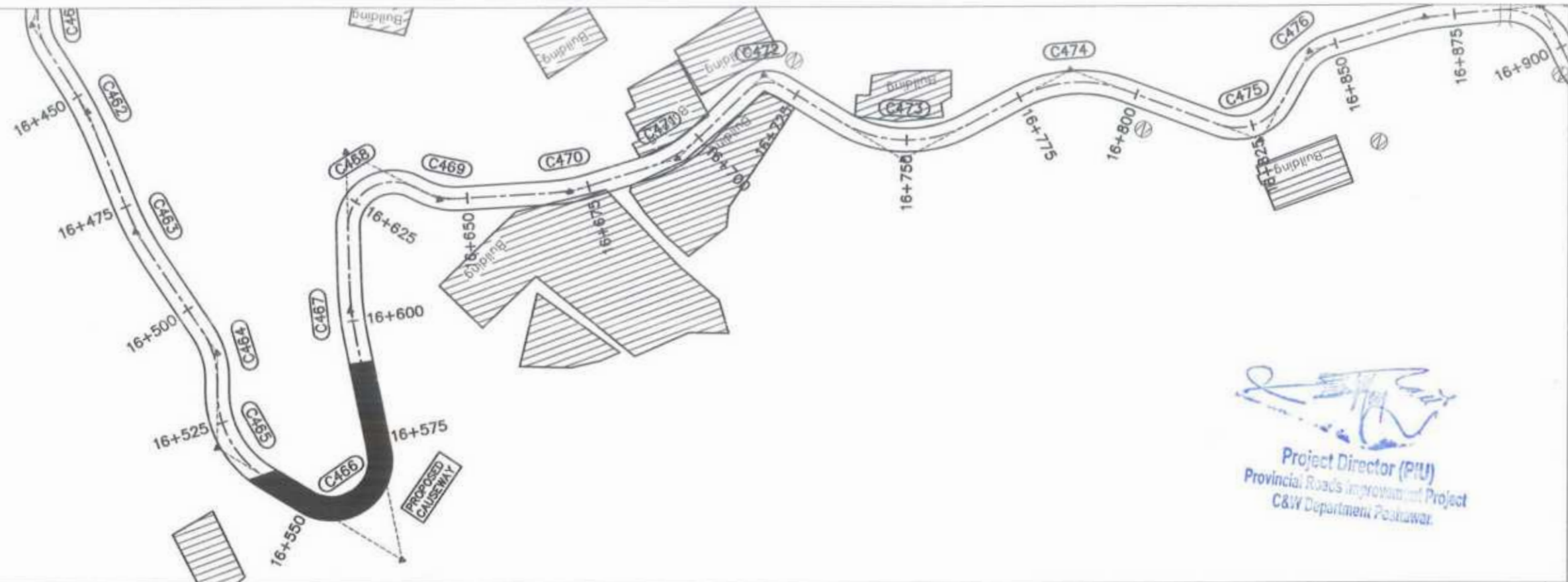
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
	MIN CONSULT	d	AUG, 2024		G. DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
	J.V.	e			DRAWN: MOIZ UR RAHMAN		AUG.	
	CREATIVE ENGINEERING CONSULTANTS (CEC)	b			CHECKED: S. DURRANI		2024	
		c			APPROVED: ADEEL YOUNIS			
							PLAN & PROFILE 15+750.00 - 16+100.00 DWG NO. CEC/RRDP/HW/UCH-NR1/46	



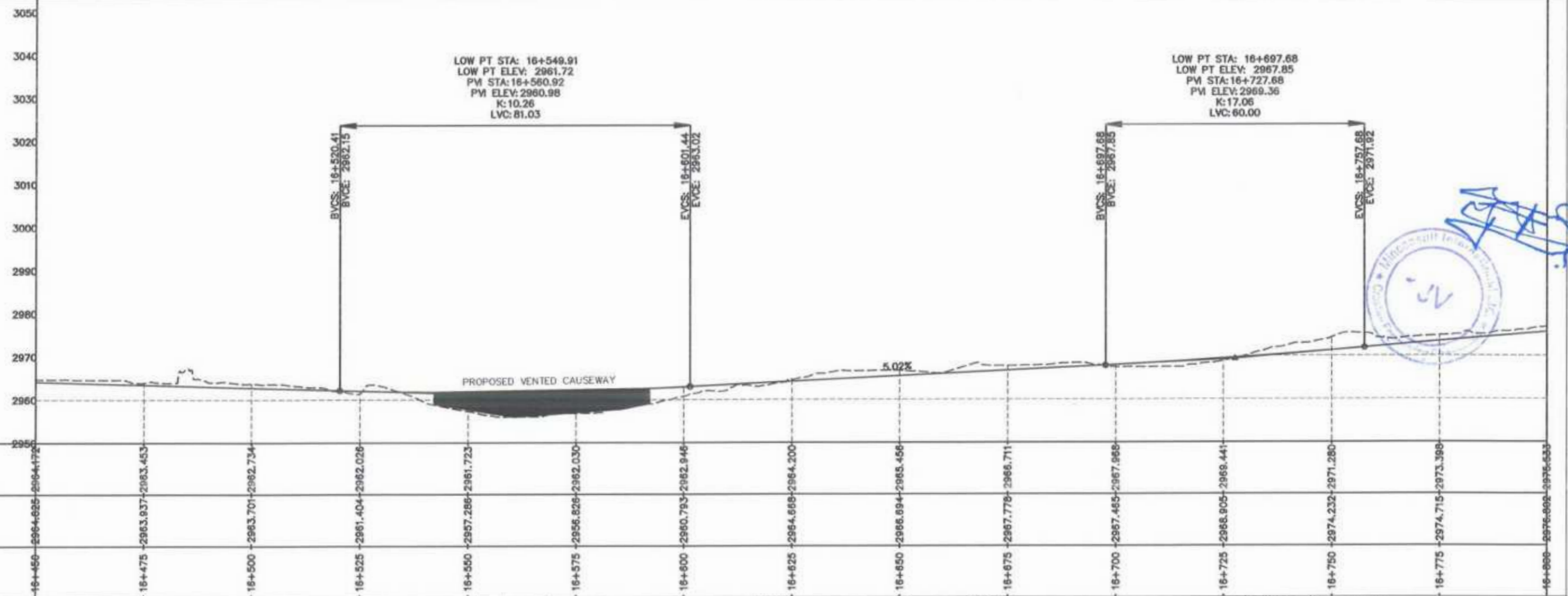

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)  MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0 DATE: AUG. 2024 DESCRIPTION:	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S. DURRANI APPROVED: AGEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 16+100.00 - 16+450.00 DWG NO. CEC/RRDP/HW/UCH-NR1/ 47
			REV: a DATE:	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
			REV: b DATE:	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
			REV: c DATE:	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
			REV: d DATE:	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:




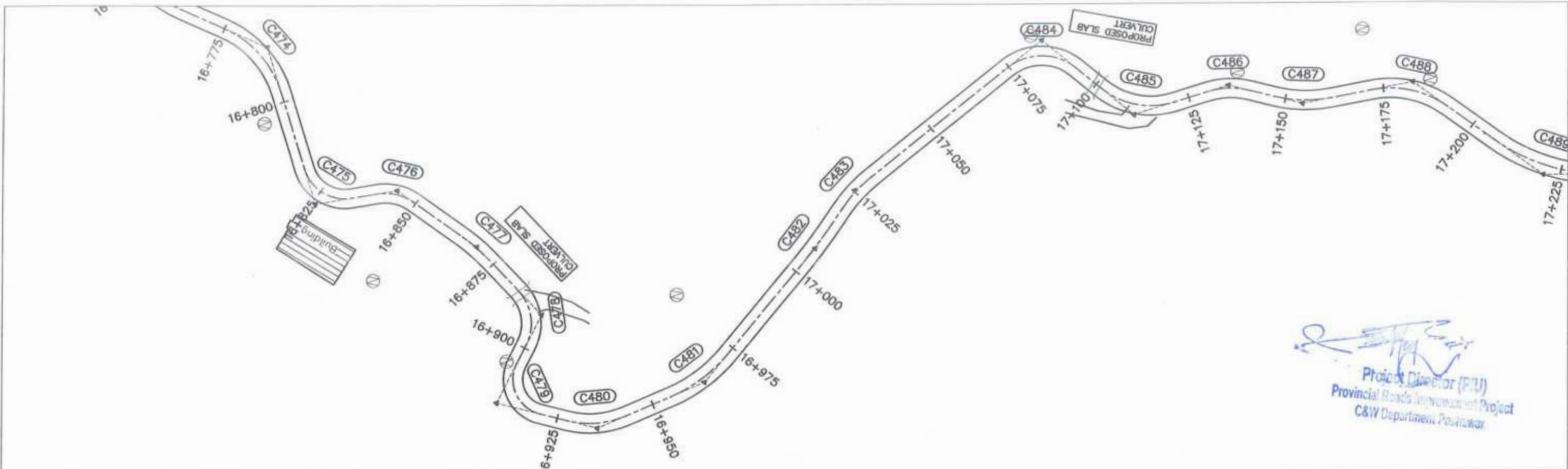

 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar.



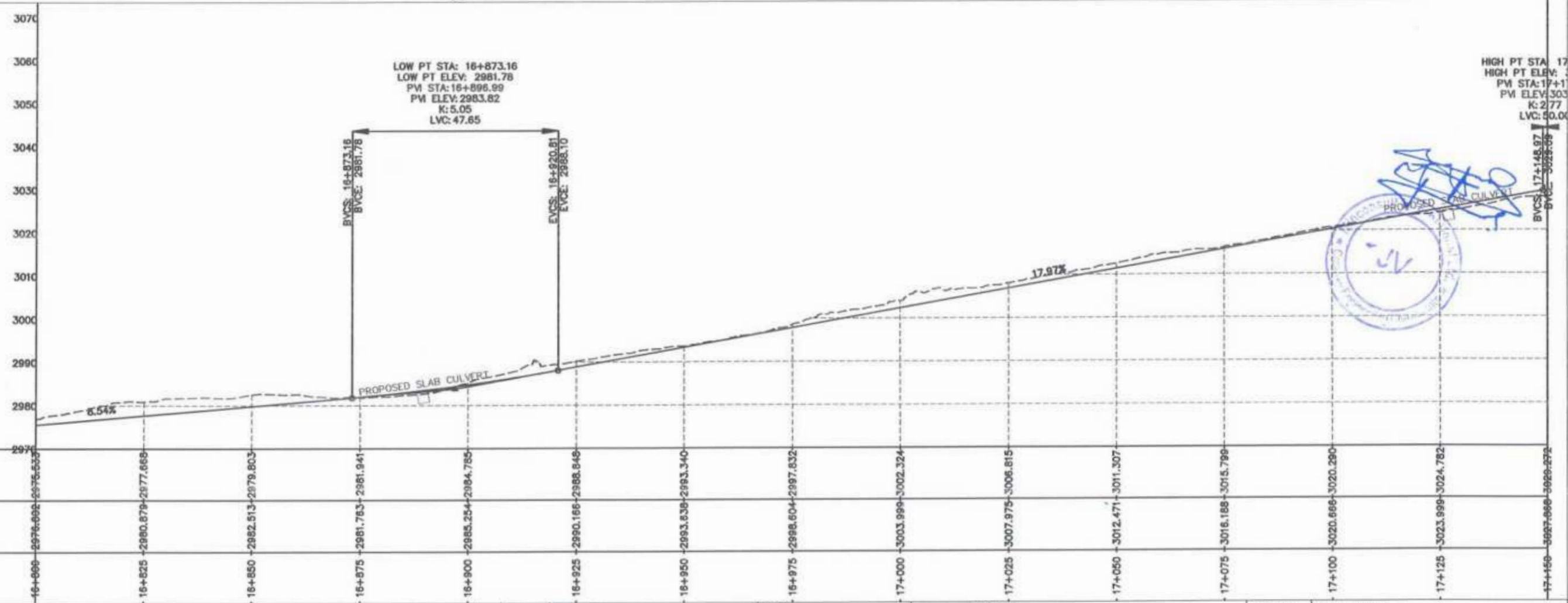






F.R.L	16+450	16+475	16+500	16+525	16+550	16+575	16+600	16+625	16+650	16+675	16+700	16+725	16+750	16+775	16+800
N.S.L	2964.625	2963.937	2963.701	2961.404	2957.286	2956.826	2960.793	2964.888	2966.894	2967.778	2967.485	2968.905	2974.232	2974.715	2976.802
STATION	16+450	16+475	16+500	16+525	16+550	16+575	16+600	16+625	16+650	16+675	16+700	16+725	16+750	16+775	16+800

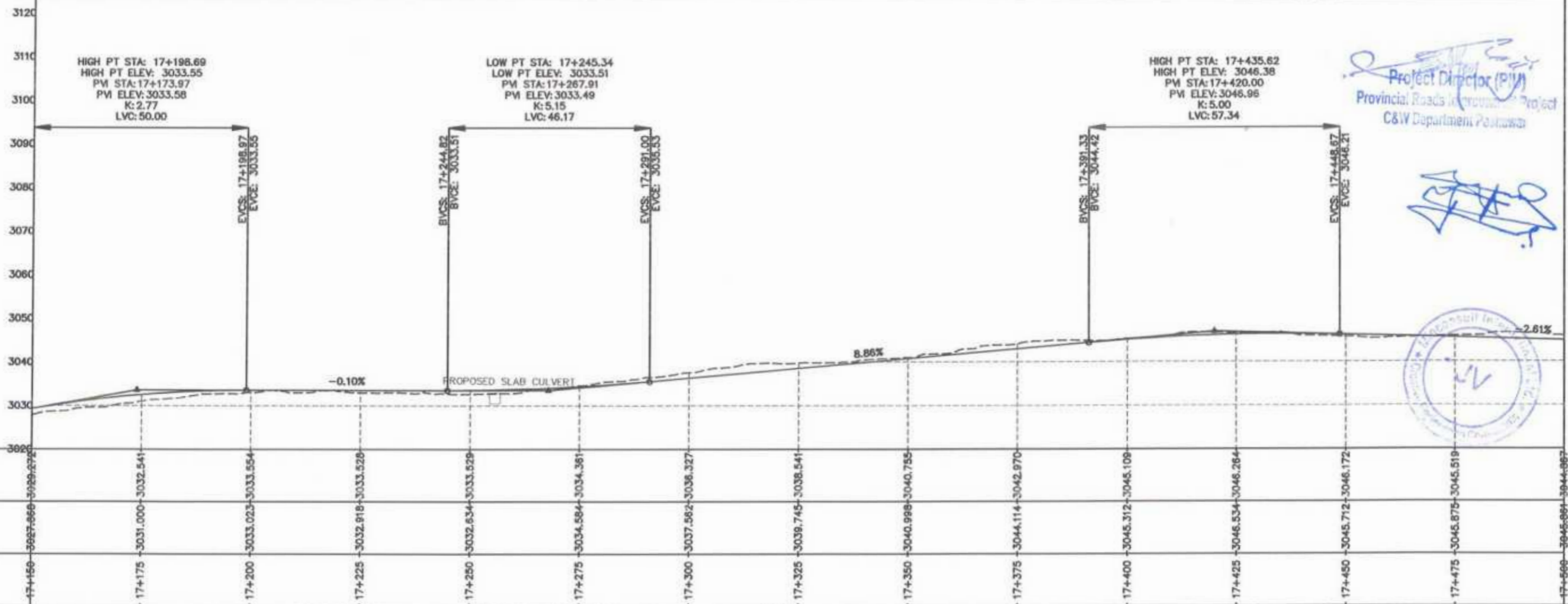
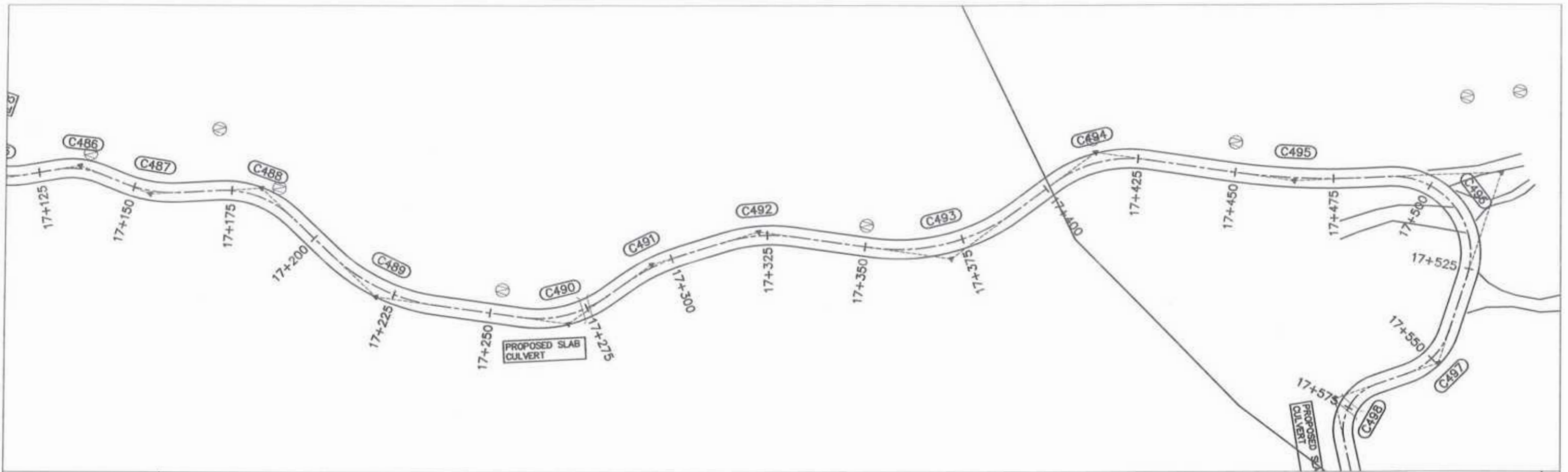
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		MIN CONSULT	0	AUG. 2024		G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD
		J.V.	a			DRAWN	MOIZ UR RAHMAN		
		CREATIVE ENGINEERING CONSULTANTS (CEC)	b			CHECKED	S. DURRANI		
			c			APPROVED	AGEEL YOUNIS		
							KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	PLAN & PROFILE 16+450.00 - 16+800.00
								AUG. 2024	DWG NO. CEC/RRDP/HW/UCH-NR1/ 48




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
	 MIN CONSULT J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)		0	AUG, 2024		G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000 AUG, 2024	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 16+800.00 - 17+150.00 DWG NO. CEC/RRDP/HW/UCH-NR1/49
			a			DRAWN	MOIZ UR RAHMAN			
			b			CHECKED	S. DURRANI			
			c			APPROVED	AQEEL YOUNIS			

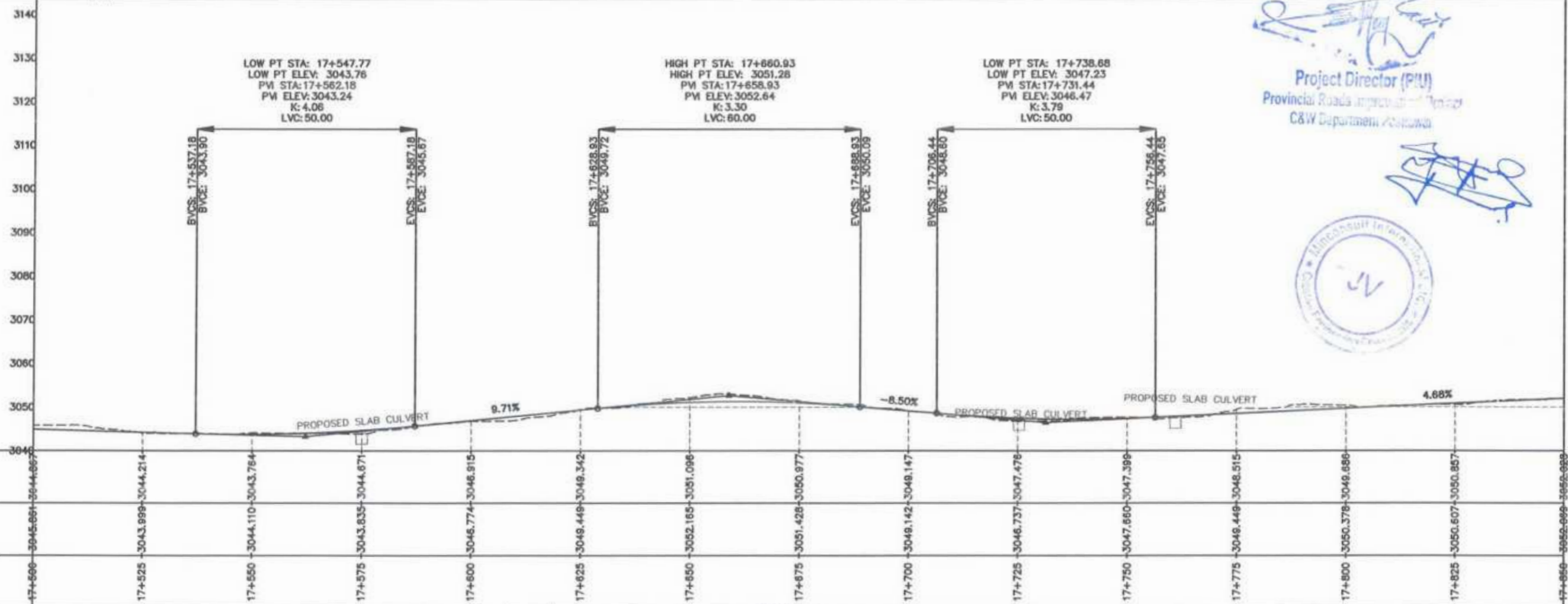
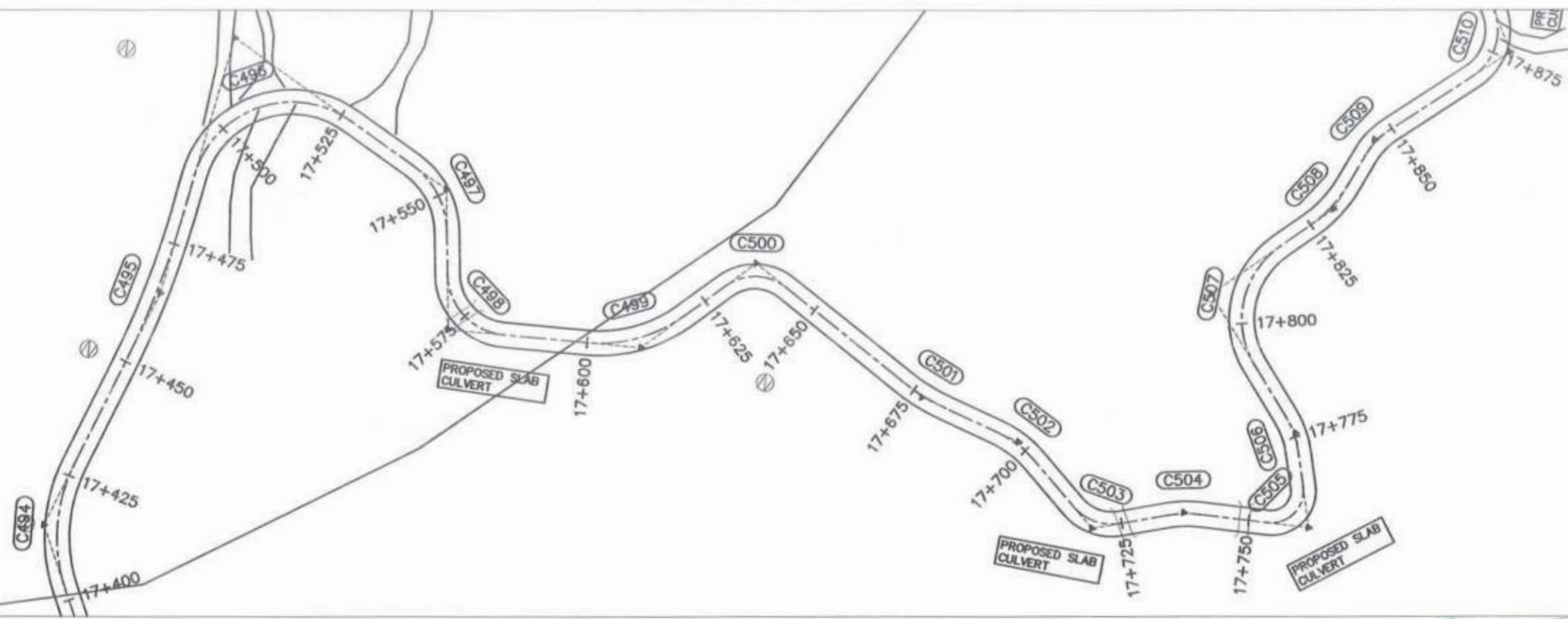


Project Director (PIU)
 Provincial Roads Development Project
 C&W Department Peshawar

[Handwritten Signature]







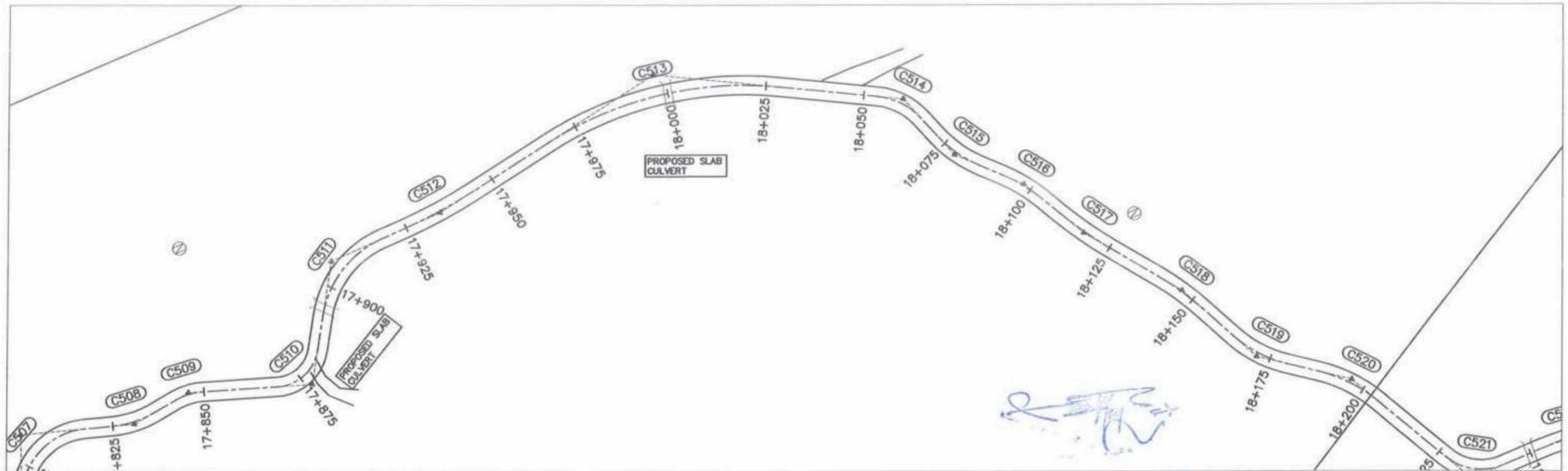
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:
	MIN CONSULT	0	AUG 2024		G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	PLAN & PROFILE 17+150.00 - 17+500.00
	J.V.	a			DRAWN	MOIZ UR RAHMAN	UCH-NR1 OVER ROAD CHITRAL	AUG.	
	CREATIVE ENGINEERING CONSULTANTS (CEC)	b				CHECKED	S.DURRANI	FLOOD EFFECTED ROAD	2024
		c				APPROVED	AQEEL YOUNIS		DWG NO. CEC/RRDP/HW/UCH-NR1/ 50




Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Islamabad



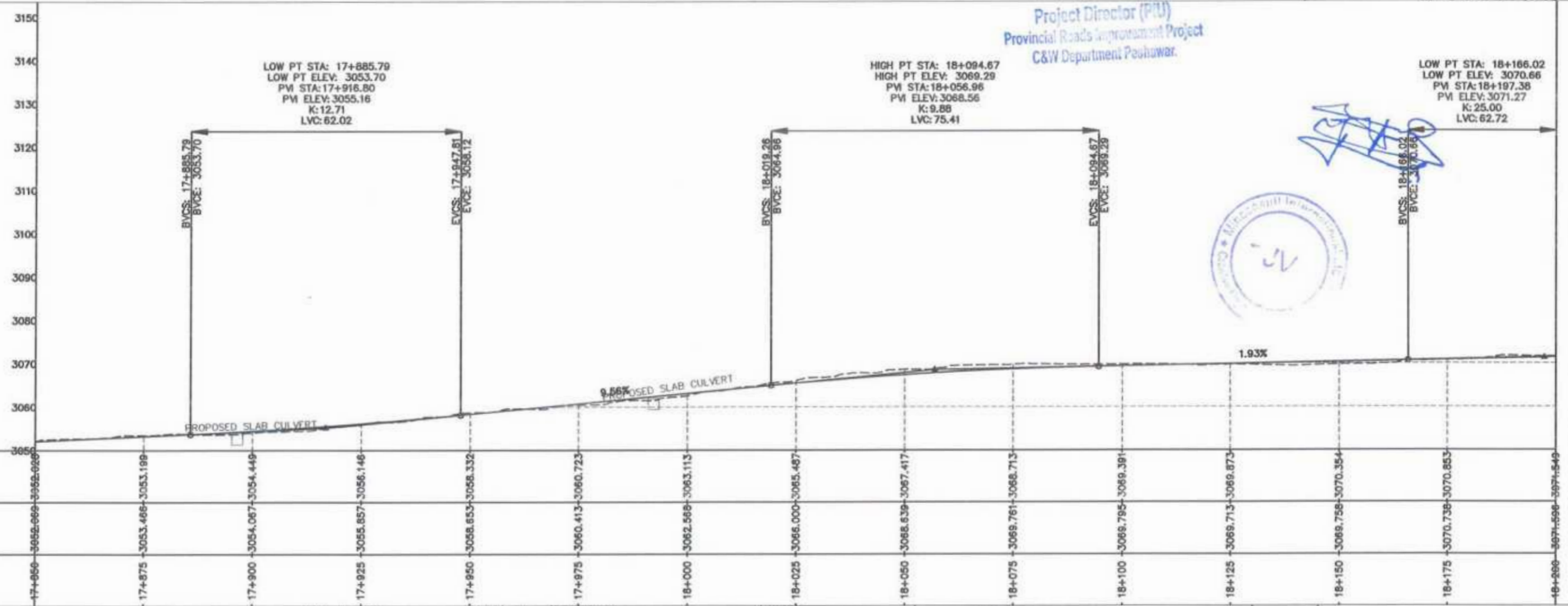
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)  MIN CONSULT  J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0 DATE: AUG, 2024 DESCRIPTION:	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: MOIZ UR RAHMAN CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG, 2024	SHEET CONTENT: UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 17+500.00 - 17+850.00 DWG NO. CEC/RRDP/PA/W/UCH-NR1/ 51
---	---	--	---	---	--	---	---



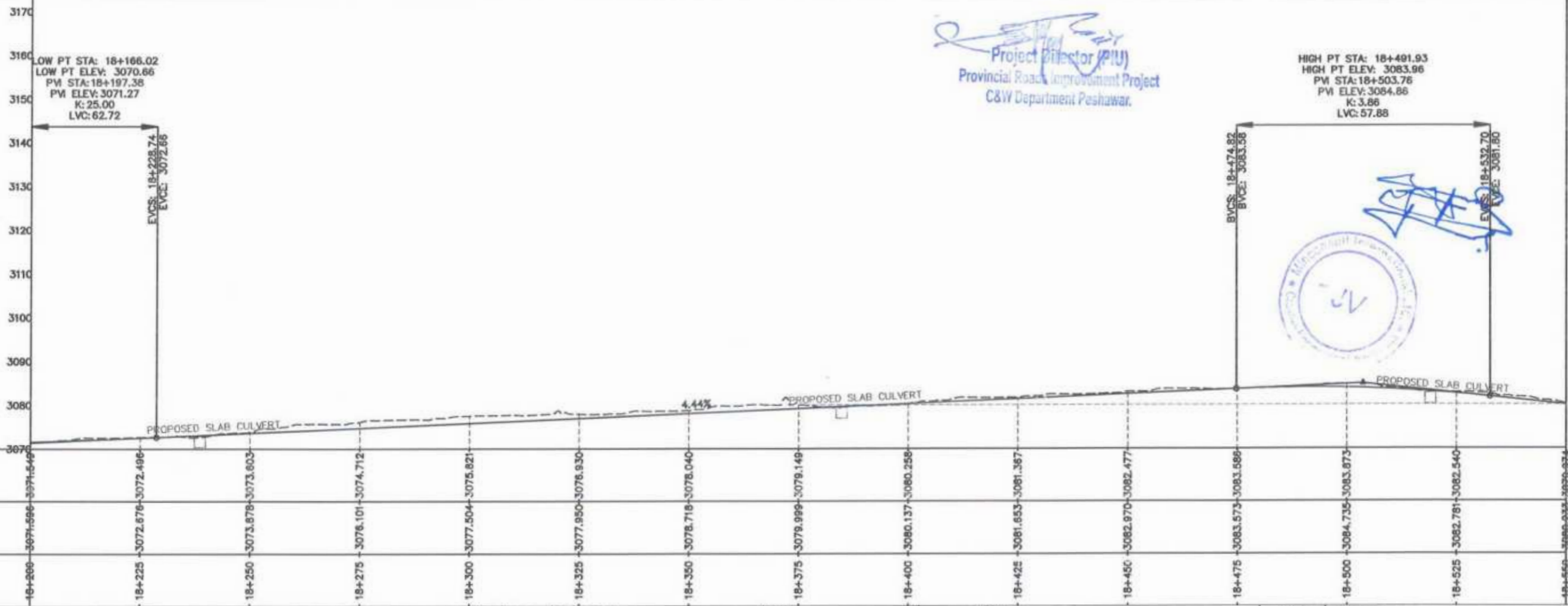
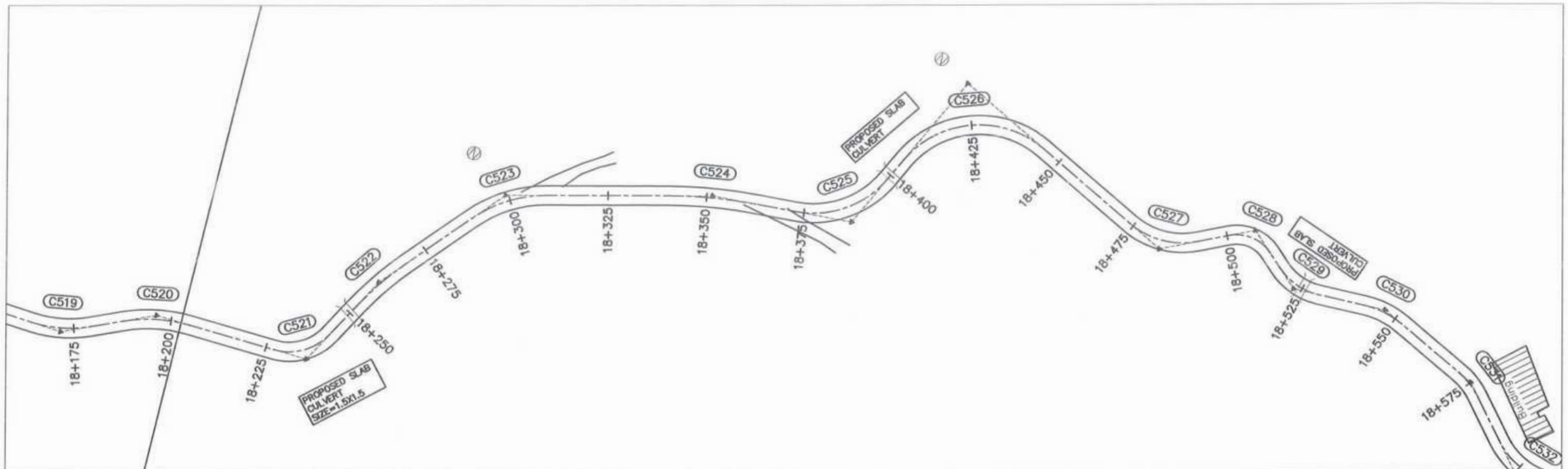
[Handwritten signature]

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

[Handwritten signature]







<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
	MIN CONSULT	0	AUG. 2024		G.DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	H=1:1000 V=1:1000	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	
	J.V.	0			DRAWN: MOIZ UR RAHMAN		AUG.		
	CREATIVE ENGINEERING CONSULTANTS (CEC)	b			CHECKED: S.DURRANI		2024		PLAN & PROFILE 17+850.00 - 18+200.00
		c			APPROVED: AQEEL YOUSUF				DWG NO. CEC/RRDP/RW/UCH-NR1/52

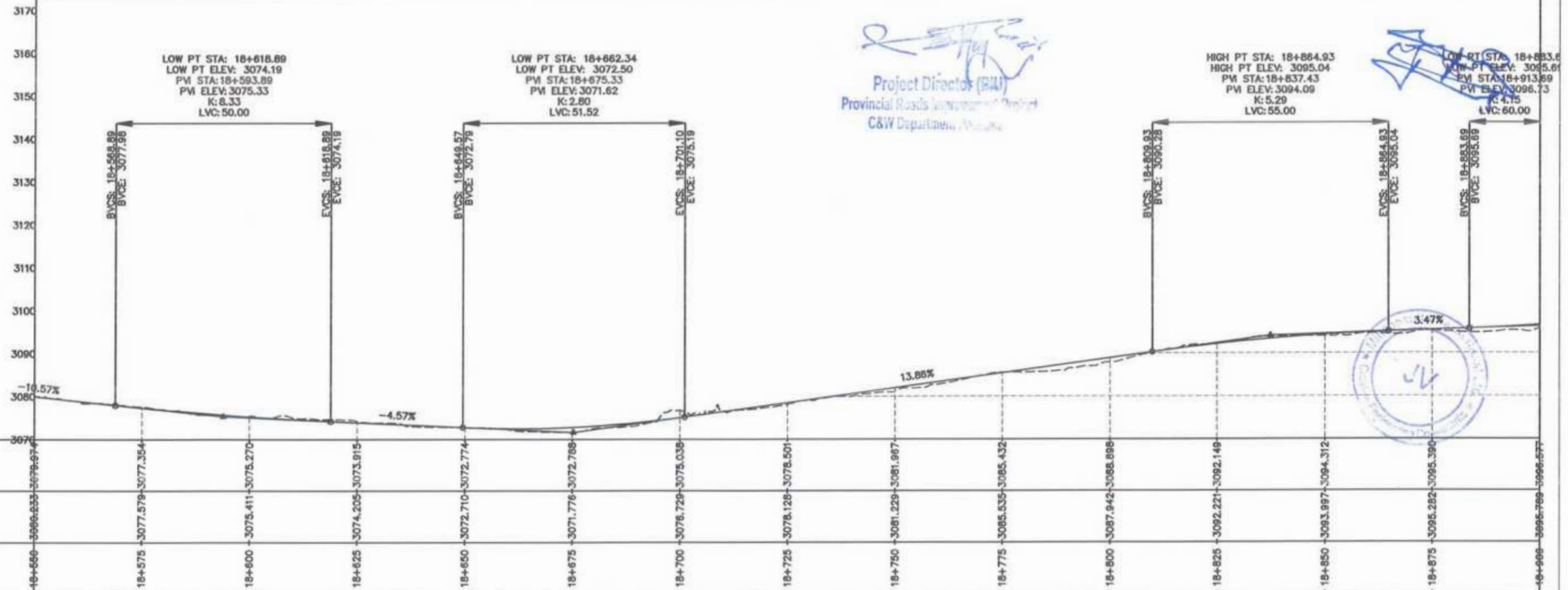
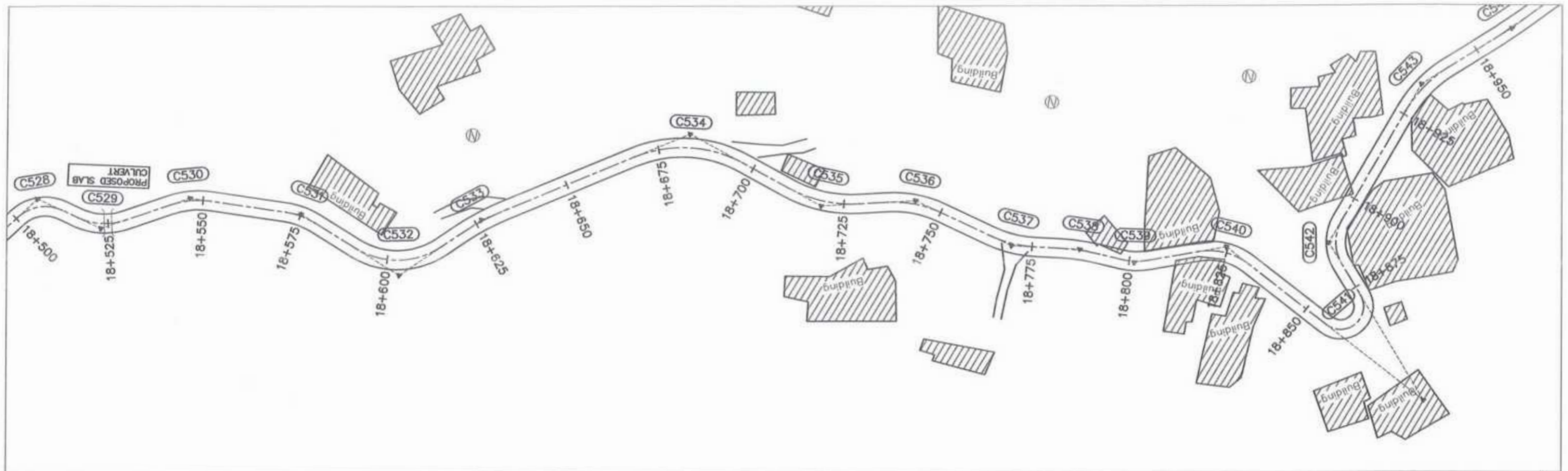



 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar.

HIGH PT STA: 18+491.93
 HIGH PT ELEV: 3083.96
 PM STA: 18+503.76
 PM ELEV: 3084.86
 K: 3.88
 LVC: 57.88

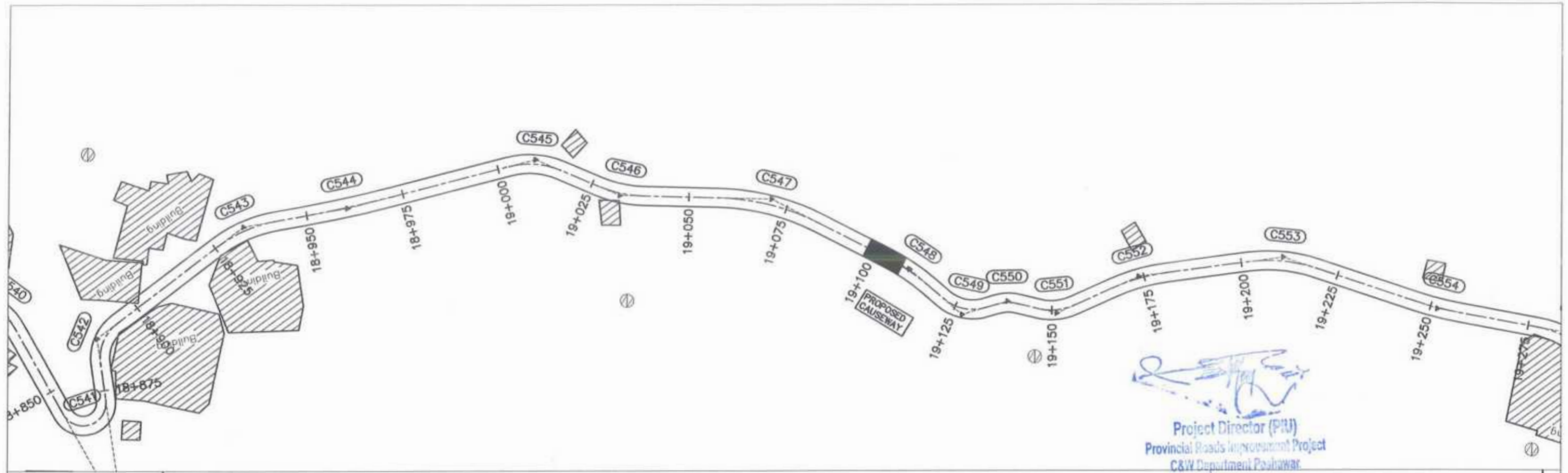


 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		MIN CONSULT	0	AUG, 2024		G.DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD
		J.V.	a			DRAWN	MOIZ UR RAHMAN	AUG, 2024	
		CREATIVE ENGINEERING CONSULTANTS (CEC)	b			CHECKED	S.DURRANI		PLAN & PROFILE 18+200.00 - 18+550.00
		c			APPROVED	AGEEL YOUNIS		DWG NO.CEC/RRDP/RW/UCH-NR1/53	

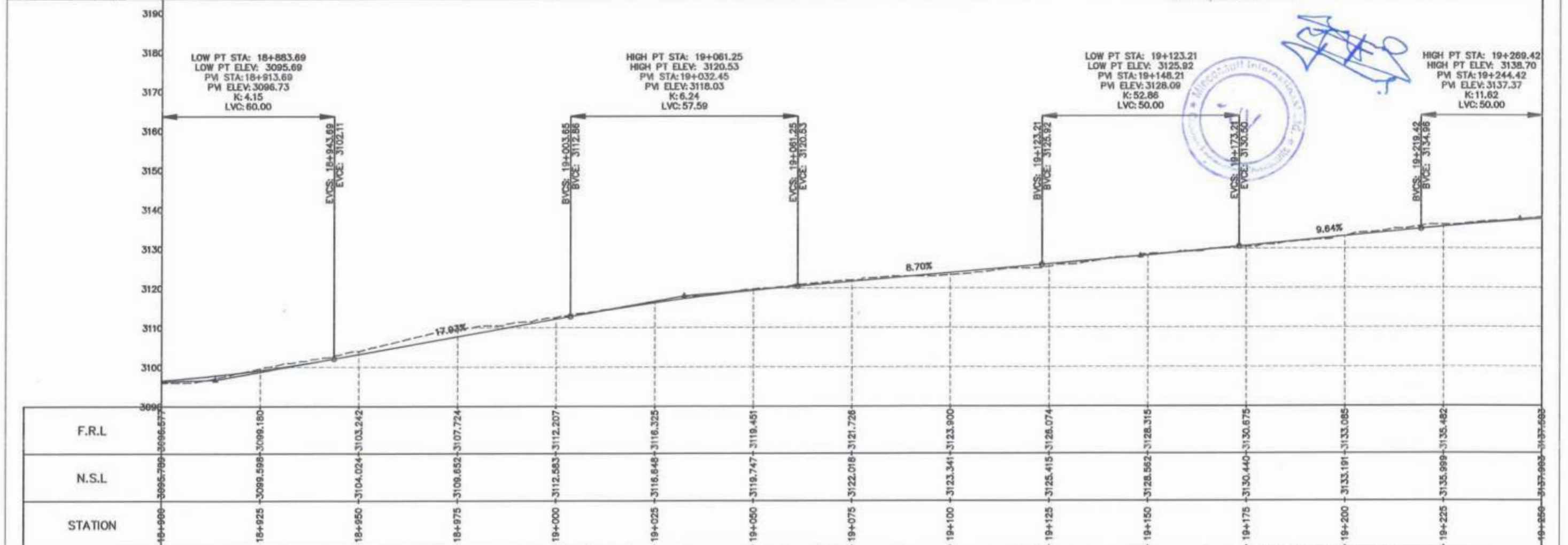


STATION	N.S.L	F.R.L
18+550	3086.833	3079.874
18+575	3077.579	3077.354
18+600	3075.411	3075.270
18+625	3074.205	3073.915
18+650	3072.710	3072.774
18+675	3071.776	3072.768
18+700	3076.729	3075.038
18+725	3078.128	3078.501
18+750	3081.229	3081.987
18+775	3085.535	3085.432
18+800	3087.942	3088.898
18+825	3092.221	3092.149
18+850	3093.997	3094.312
18+875	3095.282	3095.390
18+900	3096.789	3096.577

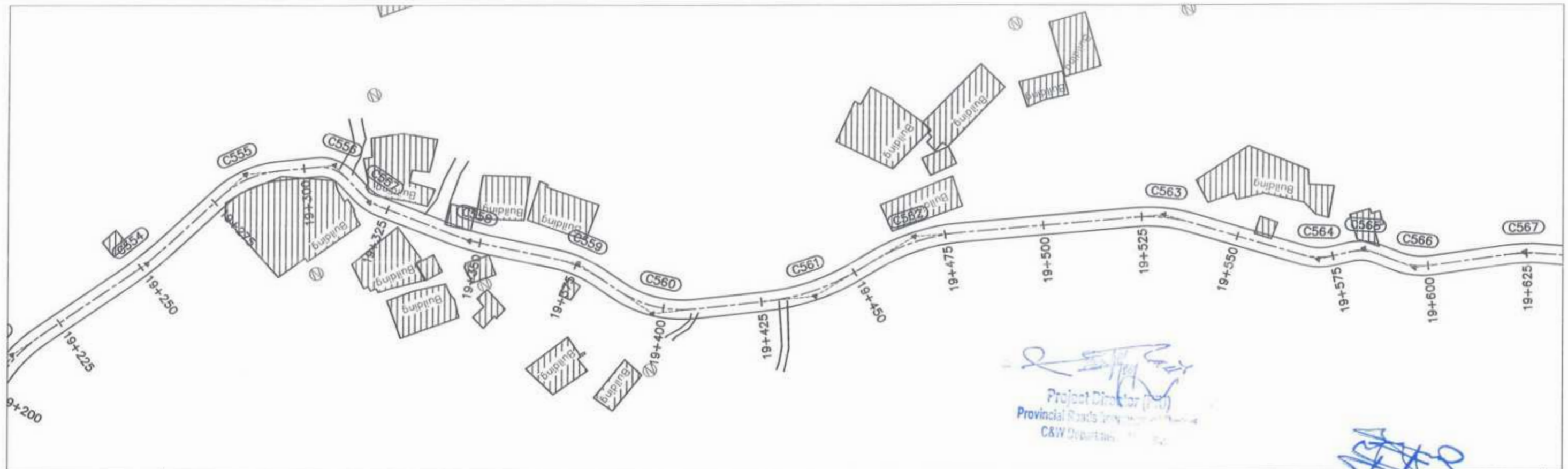
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0 DATE: AUG, 2024 DESCRIPTION:	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: MOJIB UR RAHMAN CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG, 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 18+550.00 - 18+900.00 DWG NO. CEC/RRDP/PIU/UCH-NR1/54
---	--	---	--	--	---	--



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

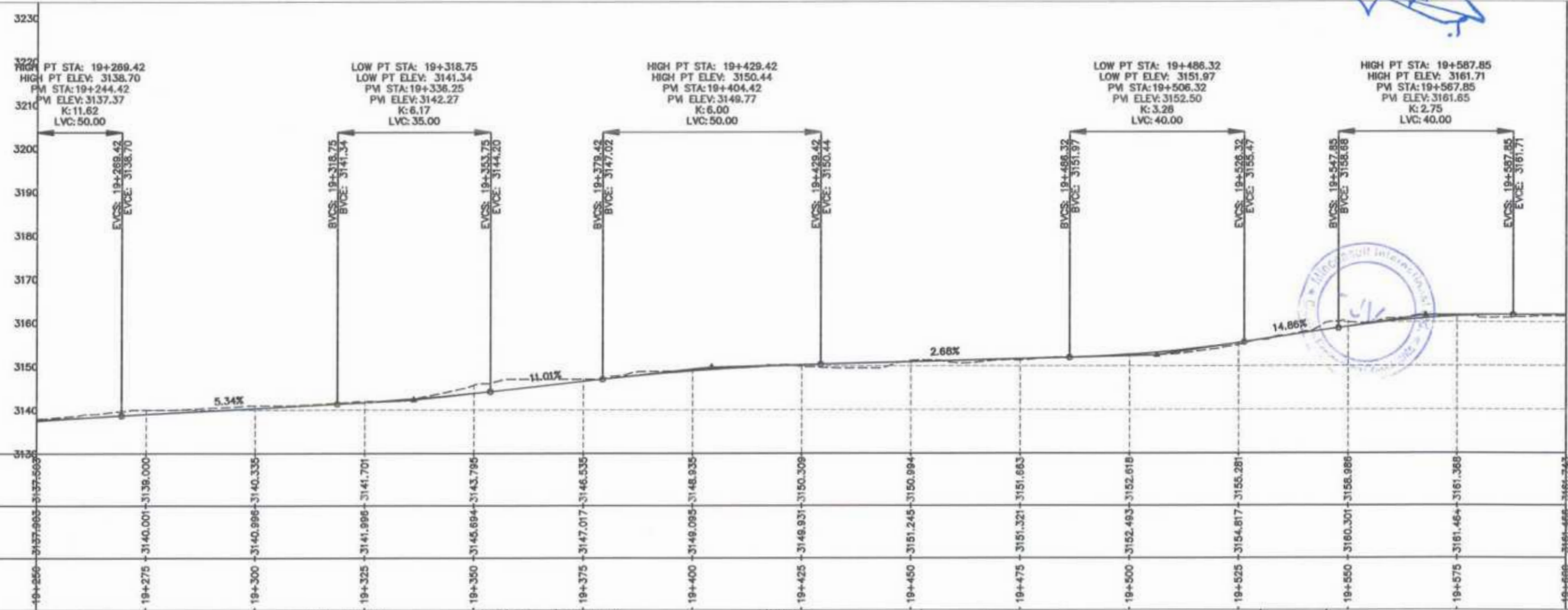


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG 2024		G.DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000 AUG. 2024	PLAN & PROFILE 18+900.00 - 19+250.00
		a			DRAWN	MOJIB UR RAHMAN		
		b			CHECKED	S.DURRANI		
		c			APPROVED	AOEEL YOUNIS		
						KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD	DWG NO.CE/RRDP/HR/WUCH-NR1/ 55



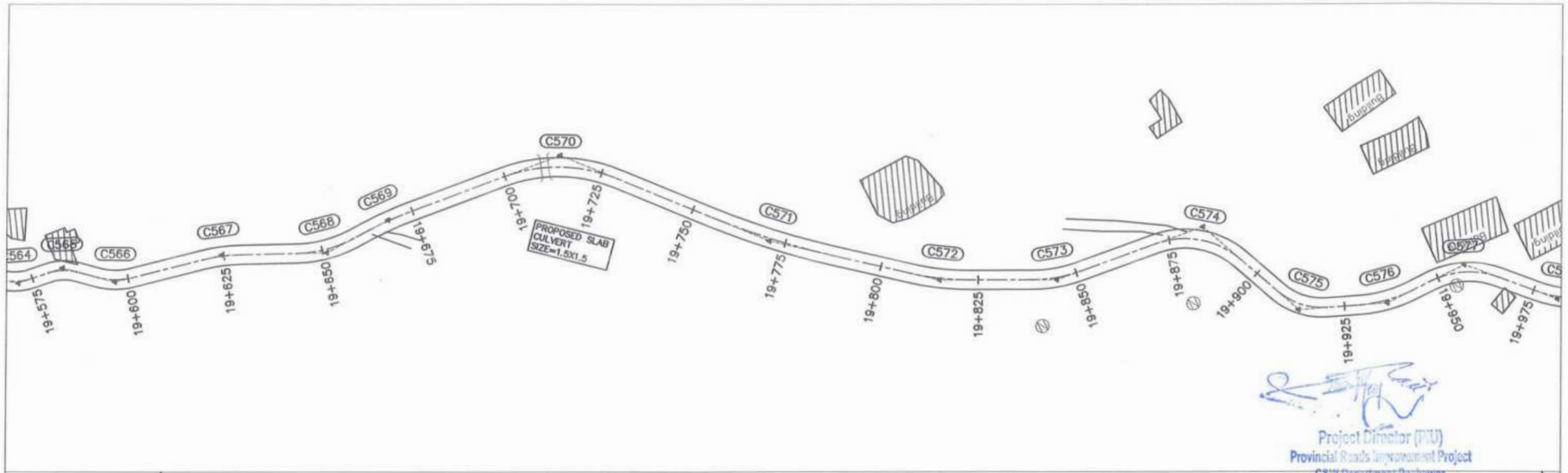
Project Director (P) for
 Provincial Roads Development
 C&W Department

[Handwritten signature]

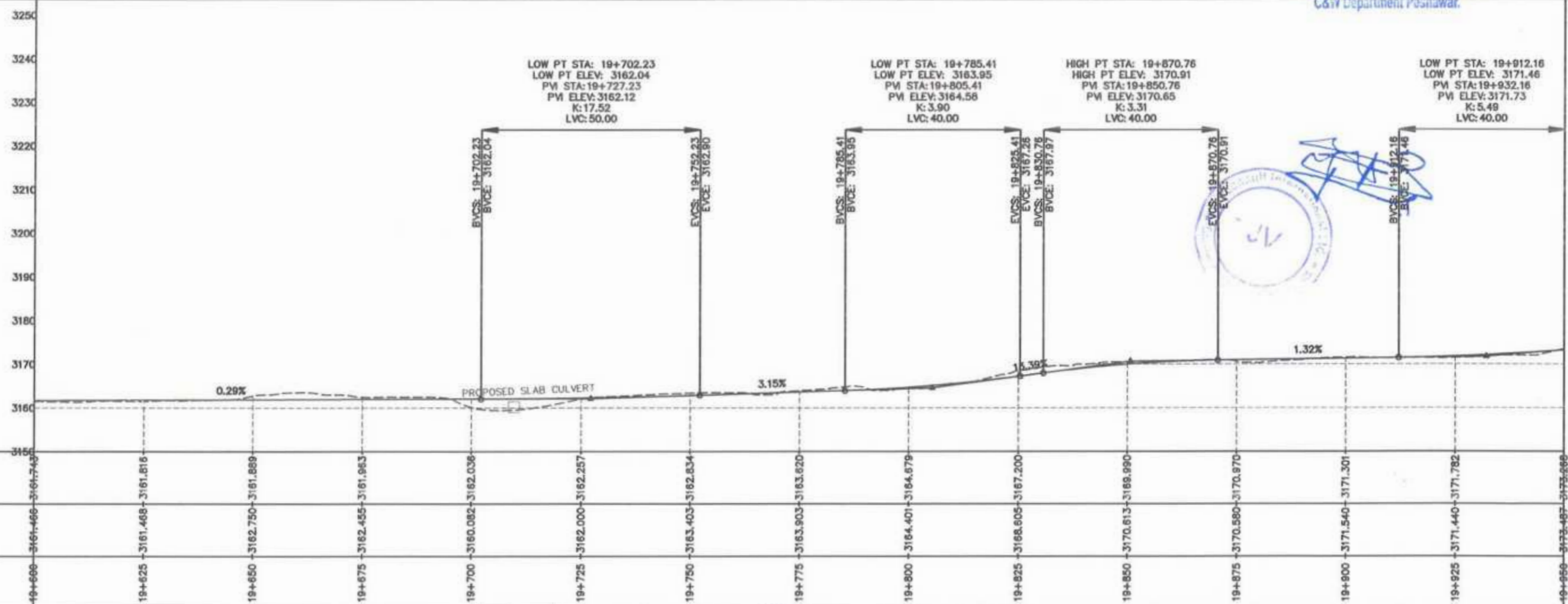


STATION	N.S.L	F.R.L
19+250	3137.903	3137.500
19+275	3140.001	3139.000
19+300	3140.996	3140.335
19+325	3141.996	3141.701
19+350	3145.694	3143.795
19+375	3147.017	3146.535
19+400	3149.095	3148.935
19+425	3149.931	3150.309
19+450	3151.245	3150.994
19+475	3151.321	3151.663
19+500	3152.493	3152.618
19+525	3154.817	3155.281
19+550	3160.301	3156.986
19+575	3161.464	3161.368
19+600	3161.466	3161.743

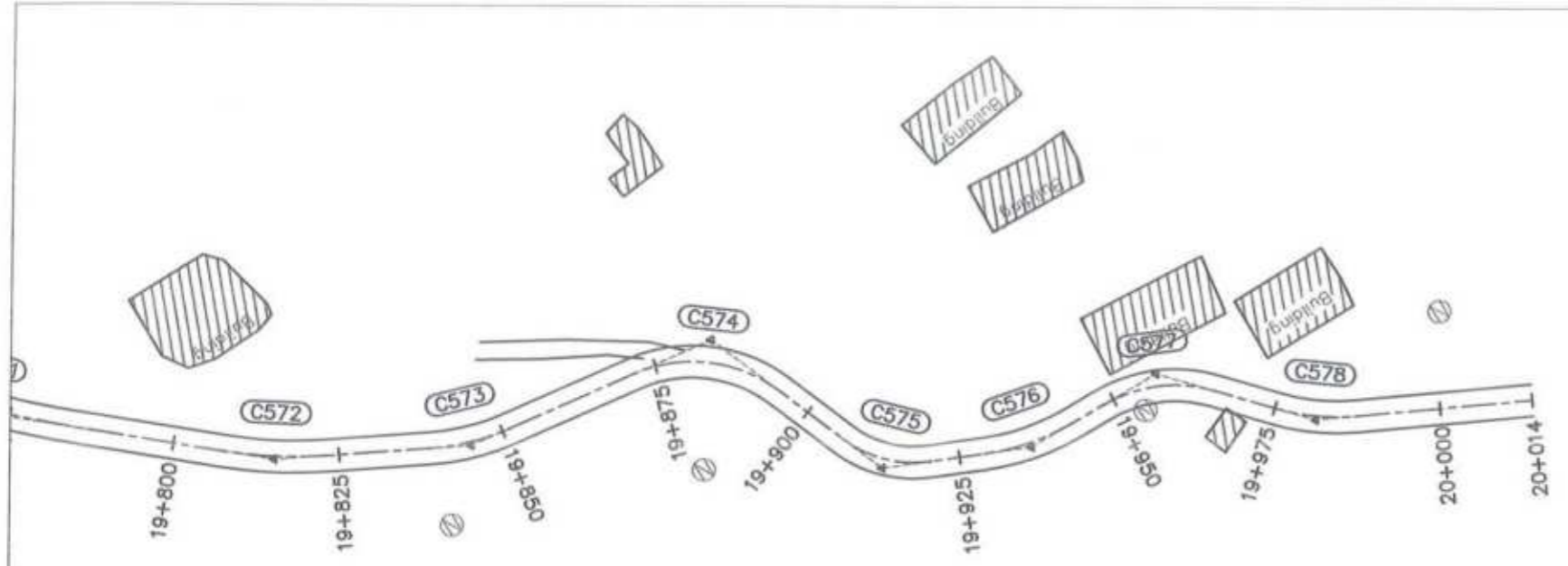
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT JV CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0	DATE: AUG, 2024	DESCRIPTION:	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD	SCALE: H=1:1000 V=1:1000 AUG, 2024	SHEET CONTENT: PLAN & PROFILE 19+250.00 - 19+600.00 DWG NO CEC/RRDP/HW/UCH-NR1/56
		DESIGNED: AAMIR KHAN	DRAWN: MOZ UR RAHMAN	CHECKED: S. DURRANI	APPROVED: AQEEL YOUSUF			



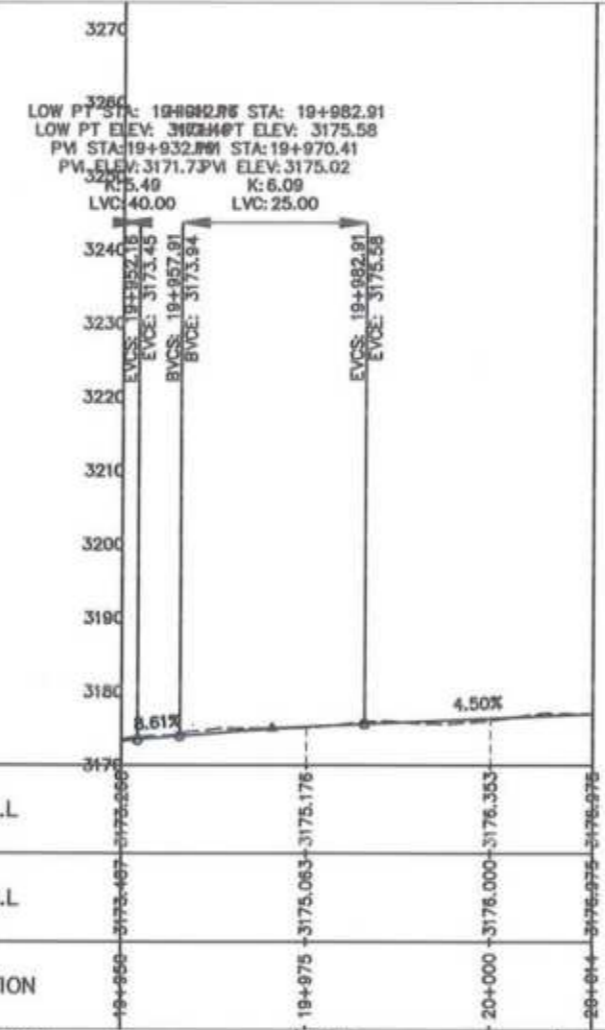
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024		G.DESIGNED	AAMIR KHAN	H=1:1000 V=1:1000 AUG, 2024	PLAN & PROFILE 19+600.00 - 19+950.00 DWG NO.CEC/RRDP/PAWA/UCH-NR1/57
		a			DRAWN	MOIZ UR RAHMAN		
		b			CHECKED	S.DURRANI		
		c			APPROVED	AOEEL YOUNIS		
						KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	UCH-NR1 OVER ROAD CHITRAL FLOOD EFFECTED ROAD	



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



F.R.L	19+850	19+975	20+000	20+014
N.S.L	3175.487	3175.083	3176.000	3176.076
STATION	19+850	19+975	20+000	20+014

Handwritten signature and a circular official stamp of the project director.

GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H=1:1000 V=1:1000 AUG. 2024	SHEET CONTENT: UCH-NR1 OVEER ROAD CHITRAL FLOOD EFFECTED ROAD PLAN & PROFILE 19+950.00 - 20+013.81 DWG NO.CEC/RRDP/HW/UCH-NR1/58	
		0	AUG, 2024		G.DESIGNED				AAMIR KHAN
		a			DRAWN				MOIZ UR RAHMAN
		b			CHECKED				S.DURRANI
			c		APPROVED	AOEEL YOUNIS			

PROJECT:

**KHYBER PAKHTUNKHWA
RURAL ROAD DEVELOPMENT PROJECT
(KP-RRDP)**

TENDER DRAWINGS

**N-CHT-9
PASHTY ROAD, PRET TO
PASHTY VALLEY**

AUGUST, 2024.


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar



**GOVERNMENT OF KHYBER
PAKHTUNKHWA**

**COMMUNICATION & WORKS
DEPARTMENT
PROJECT IMPLEMENTATION UNIT (PIU)**



MINCONSULT SDN BHD
(Company No : 58835-P)



CREATIVE ENGINEERING CONSULTANTS
CREATIVE HOUSE, PHASE 3 CHOWK MAIN JAMRUD ROAD,
PESHAWAR.



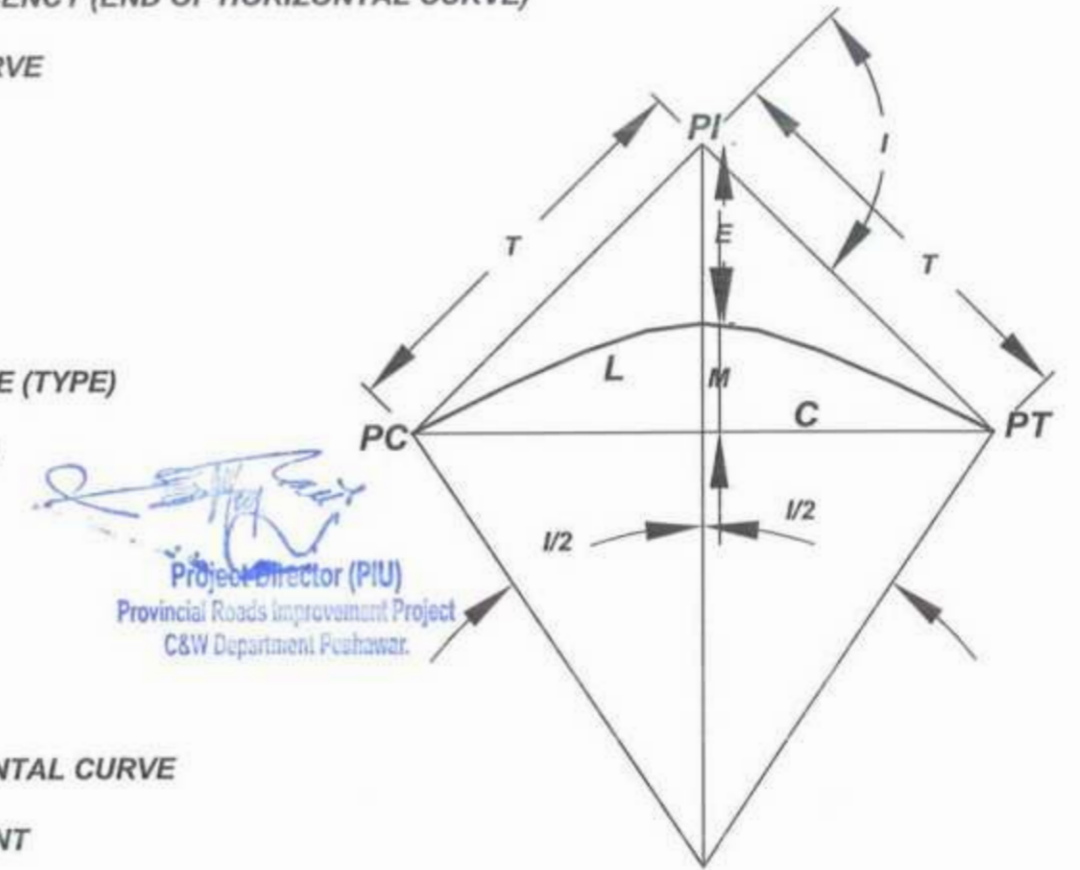
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

GENERAL & TYPICAL DRAWINGS



A	AREA
B	BREADTH
BC	REINFORCED CONCRETE BOX CULVERT
B.M	BENCH MARK
BOP	BEGINNING OF PROJECT
C	CHORD LENGTH
C.B.R	CALIFORNIA BEARING RATIO
C/C	CENTER TO CENTER
CHD	CHECKED
C/L	CENTER LINE
CM	CENTIMETER
CONC	CONCRETE
CONST/JT	CONSTRUCTION JOINT
CUL	CULVERT
Cu.m	CUBIC METER
CURVE LEN	VERTICAL CURVE LENGTH
D	DEPTH
Da	DEGREE OF CURVE (BY ARC)
Dc	DEGREE OF CURVE (BY CHORD)
DEG	DEGREE
DIA	DIAMETER
DIM	DIMENSION
D/S	DOWNSTREAM
D.S.T	DOUBLE SURFACE TREATMENT
DRG	DRAWING
E	EASTING , EAST
E	EXTERNAL DISTANCE (SHIFT)
ELEV./EL	ELEVATION
EOP	END OF PROJECT
EXIS	EXISTING
EXT/JT	EXPANSION JOINT
F.R.L	FORMATION ROAD LEVEL
G.I	GALVANIZED IRON
H	HORIZONTAL
H.T/L.T	HIGH TENSION/LOW TENSION
HF	HEIGHT OF FILL
HWY	HIGHWAY
I	DEFLECTION ANGLE (HORIZONTAL CURVE)
Ic	CIRCULAR DEFLECTION ANGLE
I.L	INVERT LEVEL
K	K-FACTOR (VERTICAL CURVE)
Kg	KILOGRAM
KM/km	KILOMETER
L	LENGTH OF HORIZONTAL CURVE
LIN.M	LINEAR METER
LHS	LEFT HAND SIDE
LT	LEFT
M/m	METER
M	MIDDLE ORDINATE
MAX	MAXIMUM
M.H	MAN HOLE
MIN	MINIMUM
MM	MILLIMETER

MSE	CROSS SLOPE AT MAXIMUM SUPERELEVATION
N	NORTHING, NORTH
No	NUMBER
N.T.S	NOT TO SCALE
NSL	NATURAL SURFACE LEVEL
PROP:	PROPOSED
PC	POINT OF HORIZONTAL CURVATURE (START OF HORIZONTAL CURVE)
PC	REINFORCED CONCRETE PIPE CULVERT
PGL	PROFILE GRADE LINE
PI	POINT OF HORIZONTAL INTERSECTION
PR	POINT OF ROTATION
PT	POINT OF HORIZONTAL TANGENCY (END OF HORIZONTAL CURVE)
P.C.C	PLAN CEMENT CONCRETE
R	RADIUS OF HORIZONTAL CURVE
R.C.C	REINFORCED CONCRETE
REINF	REINFORCEMENT
REV	REVISION
RHS	RIGHT HAND SIDE
R.O.W	RIGHT OF WAY
R.R	RIP RAP
RT	RIGHT
R/W	RETAINING WALL
RWC ()	RELOCATION WATER COURSE (TYPE)
S.G.L	SUB GRADE LEVEL
S	SLOPE GRADIENT (PERCENT)
SE	SUPERELEVATION
S.B.P	SHOULDER BREAK POINT
SC	SLAB CULVERT
SHLD	SHOULDER
Sq.m	SQUARE METER
STA./STA	STATION
STRUCT	STRUCTURE
S'WALL	SIDE WALL
T	TANGENT LENTH OF HORIZONTAL CURVE
T.D	TOE DITCH
T.S.T	TRIPPLE SURFASE TREATMENT
TAN	TANGENT
TH	THICKNESS
TR	TRANSITION
TR	(TANGENT RUN OUT) = DISTANCE FROM BS TO THE PC
TYP	TYPICAL
U/S	UPSTREAM
V	VERTICAL
VAR	VARIABLE
VER	VERIFIED
VPC	VERTICAL POINT OF CURVATURE (START OF VERTICAL CURVE)
VPI	VERTICAL POINT INTERSECTION OF PROFILE GRADE.
VPT	VERTICAL POINT OF TANGENCY (END OF VERTICAL CURVE)
W	WEST,WIDTH OF ROADWAY
W.B.M	WATER BOUND MACADAM
WC	WATER COURSE
Ø	SKREW ANGLE



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	TANZEEL	<p>N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM</p>	N.T.S	<p>SYMBOLS & ABBREVIATION</p> <p>DWG NO: CEC\HWK\RRDN-CHT-9\ SA - 036</p>	
		a			DRAWN	IBRAH TARIQ		<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)</p>		DATE:
		b			CHECKED	SHAHZAD DURRANI				AUG, 2024.
		c			APPROVED	AQEEL YOUNIS				

GENERAL NOTES FOR ROAD CONSTRUCTION



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

1. GRID COORDINATES & ELEVATIONS FOR THE PROJECT ARE BASED ON UNIVERSAL TRANSVERSE MERCATOR (UTM WGS84).
2. EACH DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER DRAWINGS.
3. NOTES GIVEN ON DRAWINGS ADJACENT TO A SECTION OR DETAIL PERTAIN TO THAT PARTICULAR DETAIL ONLY.
4. THE CONTRACTOR SHALL ENDEAVOR MAXIMUM TO MAINTAIN UNINTERRUPTED FLOW OF TRAFFIC AT ITS ADJOINING CROSS ROADS AND SUBMIT A COMPREHENSIVE DIVERSION PLAN TO ENGINEER FOR APPROVAL.
5. ANY DAMAGE CAUSED TO THE UTILITIES DURING EXCAVATION/EXECUTION OF WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST TO THE EMPLOYER IN CONSULTATION WITH THE CONCERNED UTILITY PROVIDER.
6. CONTRACTOR SHALL PREPARE AND SUBMIT, FOR ENGINEER'S REPRESENTATIVE APPROVAL, CROSS-SECTION @25m INTERVAL DULY DESIGN TEMPLATES, SHOP DRAWINGS FOR STRUCTURES, PAVEMENT MARKINGS (LOCATION, TYPE AND SIZE), ROAD SIGNS ETC. ON THE PLAN SHEETS FOR THE APPROVAL OF ENGINEER/ENGINEER'S REPRESENTATIVE BEFORE EXECUTION OF RELATED WORKS WITHOUT ANY EXTRA COST TO THE EMPLOYER.
7. SERVICE DUCTS SHALL BE PROVIDED AT JUNCTION LOCATIONS OR AT AN INTERVAL AS DIRECTED BY THE ENGINEER.
8. STRUCTURES SHOWN ON PLAN ARE SYMBOLIC. THE LENGTHS, SIZES, SLOPE, INVERT LEVELS, SKEW ANGLE AND OTHERS DETAILS OF THE PROPOSED STRUCTURES AS SHOWN ON DRAWINGS ARE TENTATIVE. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS OF EACH STRUCTURE LOCATIONS WITH THE REQUIRED SKEW ANGLE AND OTHER DETAILS AS PER SITE REQUIREMENTS AND SHALL SUBMIT THEM TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION EXECUTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO CATER FOR ALL TEMPORARY TRAFFIC DIVERSION DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER INCLUDING DETOUR ROAD AND ITS MAINTENANCE, SPRINKLING OF WATER, GRADING AND COMPACTION WHEN AND WHERE REQUIRED WITHOUT ANY EXTRA COST TO EMPLOYER.
10. ROADWAY EXCAVATION MATERIAL SHALL BE UTILIZED IN THE MOST EFFECTIVE MANNER IN THE EMBANKMENT EVEN WITH BLENDING/ MIXING THE SUPERIOR MATERIALS (WHERE REQUIRED WITHOUT AT ANY EXTRA COST).ROADWAY SUITABLE EXCAVATION SHALL NOT BE DISPOSED OFF OUTSIDE RIGHT OF WAY WITHOUT WRITTEN APPROVAL OF THE ENGINEER BY EMPLOYER.

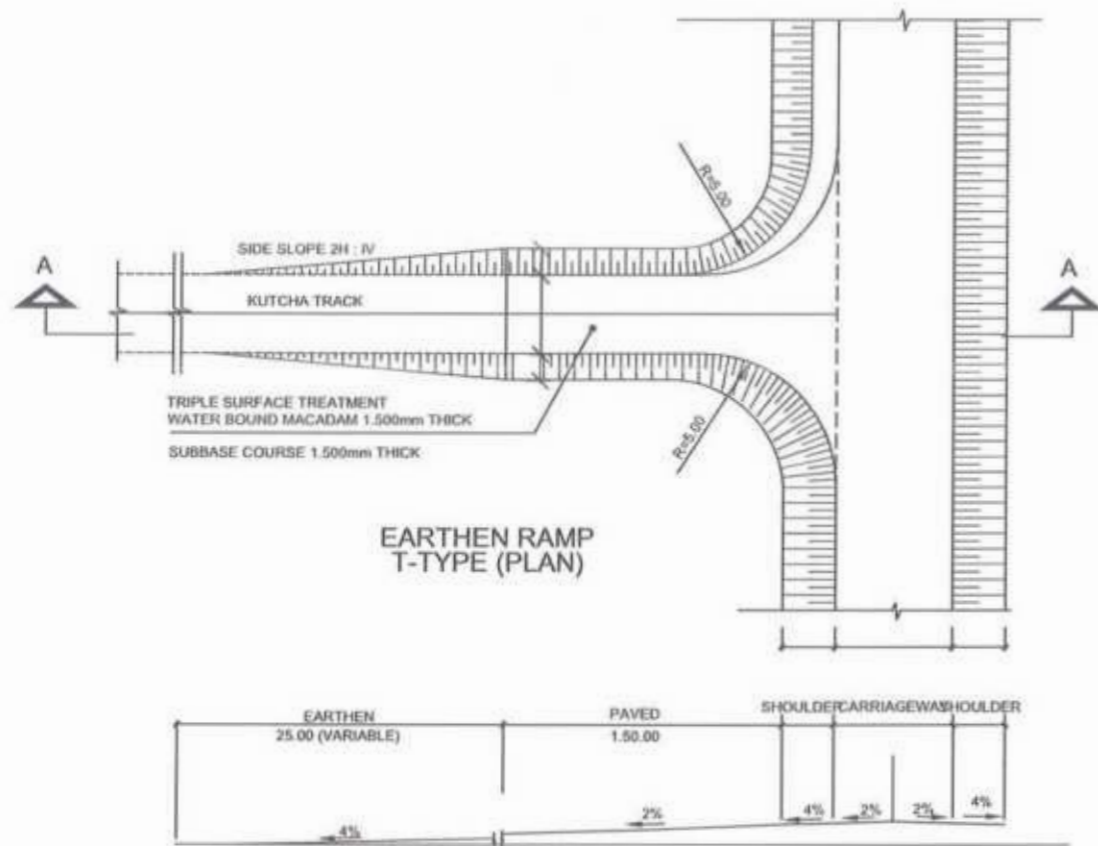


CLIENT:	GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
				d	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	N.T.S	GENERAL NOTES FOR ROAD CONSTRUCTION
				e			DRAWN IMRAN TARIQ		TOURISM	DATE:	
				b			CHECKED SHAHZAD DURRANI			AUG, 2024.	
				c			APPROVED AGEEL YOUNIS				
DWG NO: CEC/RWP-RRDN-CHT-9/ GN-04											

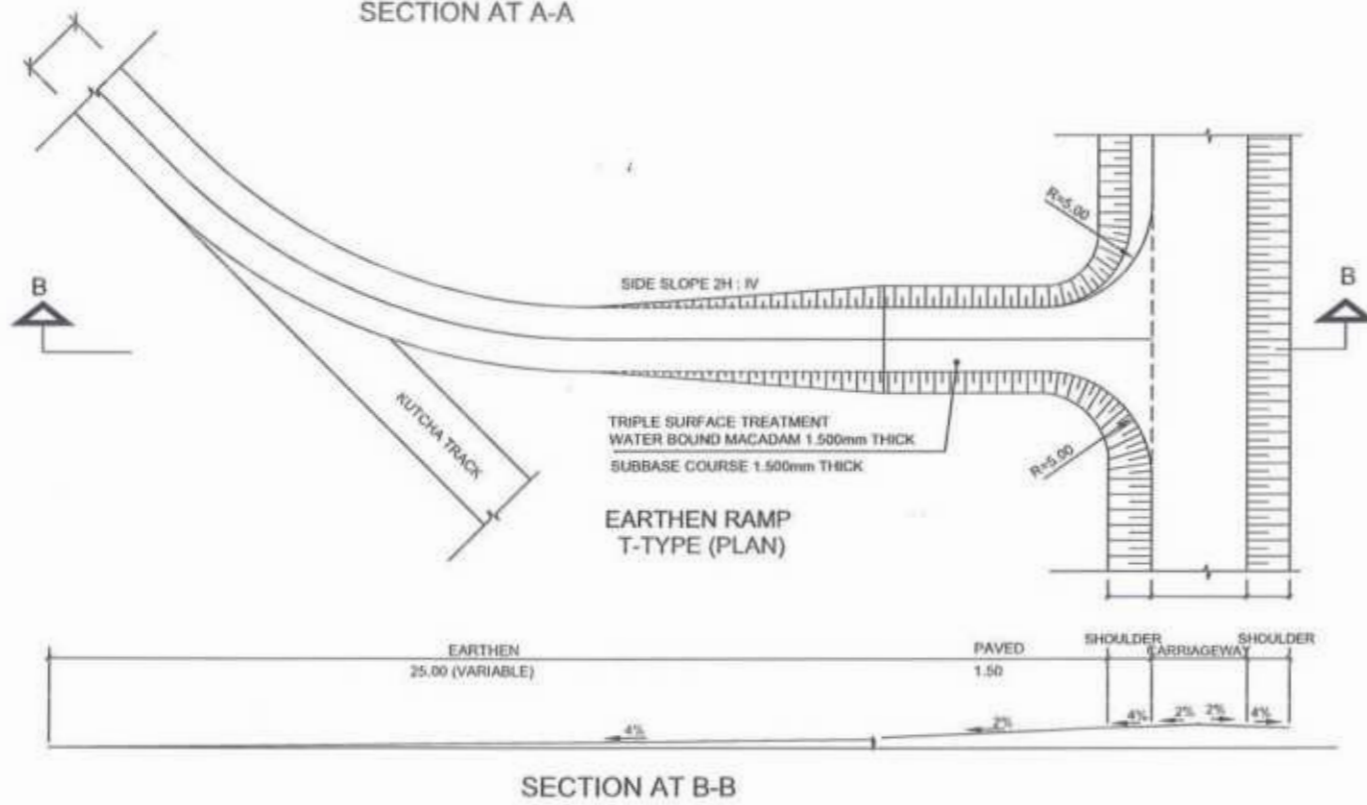


MINOR JUNCTION DETAIL

Project No. RRDP/PIU
 Provincial Roads Improvement Project
 PWD Department Peshawar



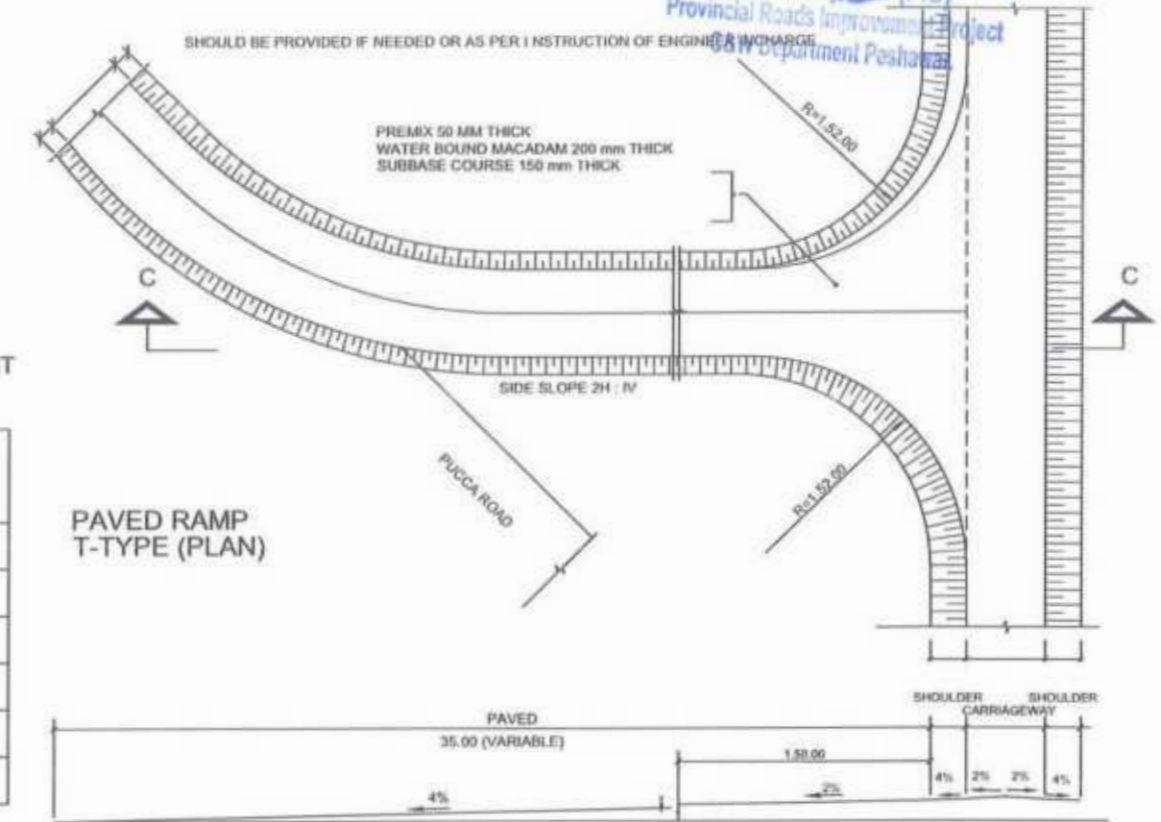
SECTION AT A-A



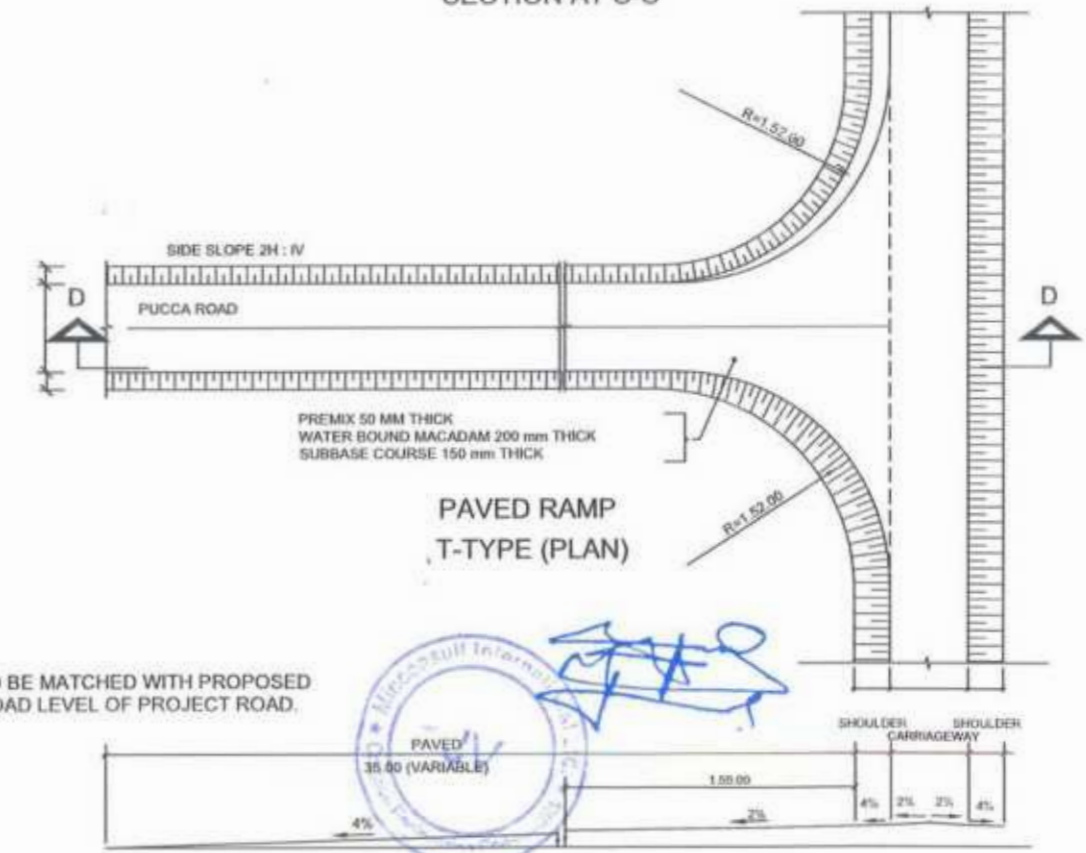
SECTION AT B-B

RECOMMENDED CURVE RADII FOR DIFFERENT ANGLES OF TURN

ANGLE OF TURN (DEGREES)	SIMPLE CURVE RADIUS (R) (METRES)
30	30
45	23
60	1.58
75	1.56
90	1.52 TO 1.55
>90	VARIABLE



SECTION AT C-C

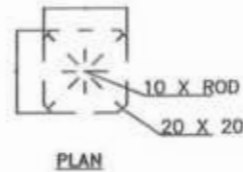
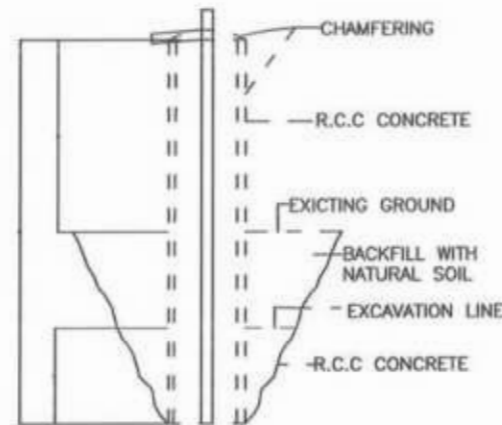
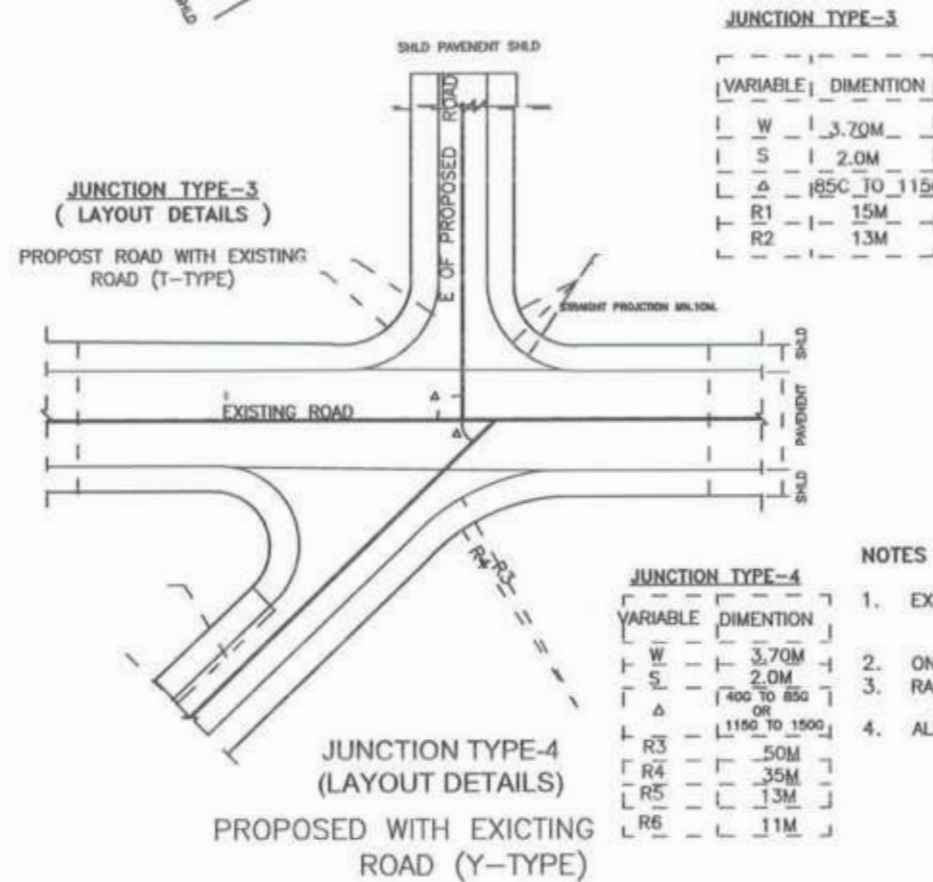
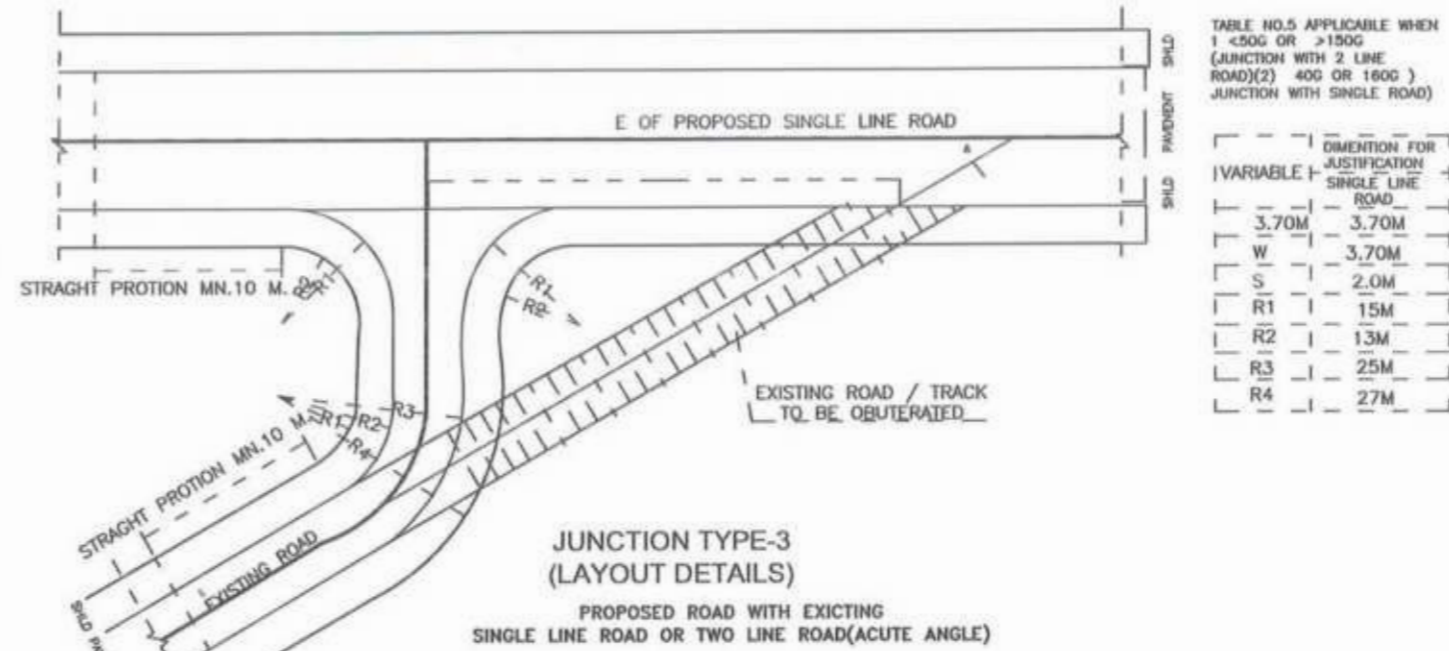
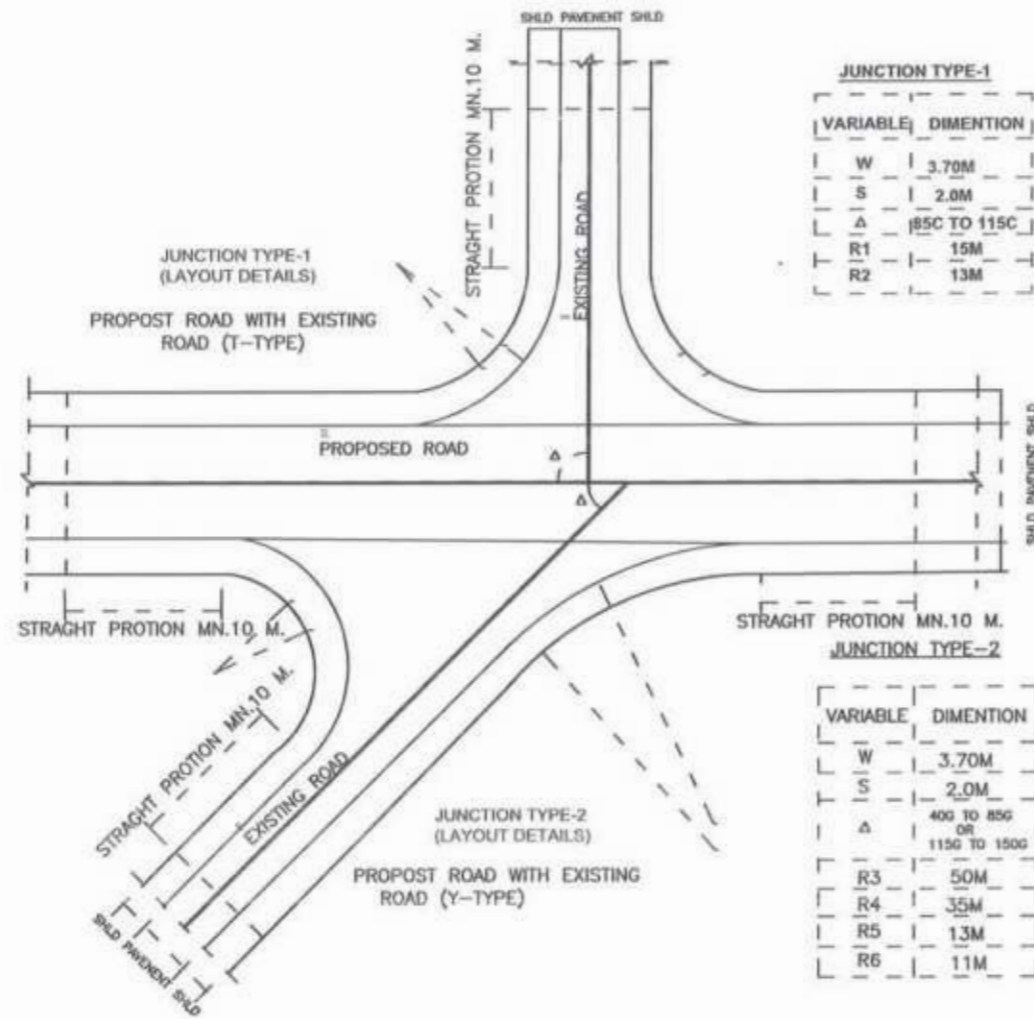


SECTION AT D-D

NOTE:
 1.5- RAMPs ARE TO BE MATCHED WITH PROPOSED FINISHED ROAD LEVEL OF PROJECT ROAD.

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.</p>	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S DATE: AUG, 2024	MINOR JUNCTION DETAILS DWG NO: CEC/HKWP-RRDN-CHT-9/ MJD - 05a
	<p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	a			DRAWN: IMRAN TARIO				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AQEEL YOUNIS				

MINOR JUNCTION DETAIL



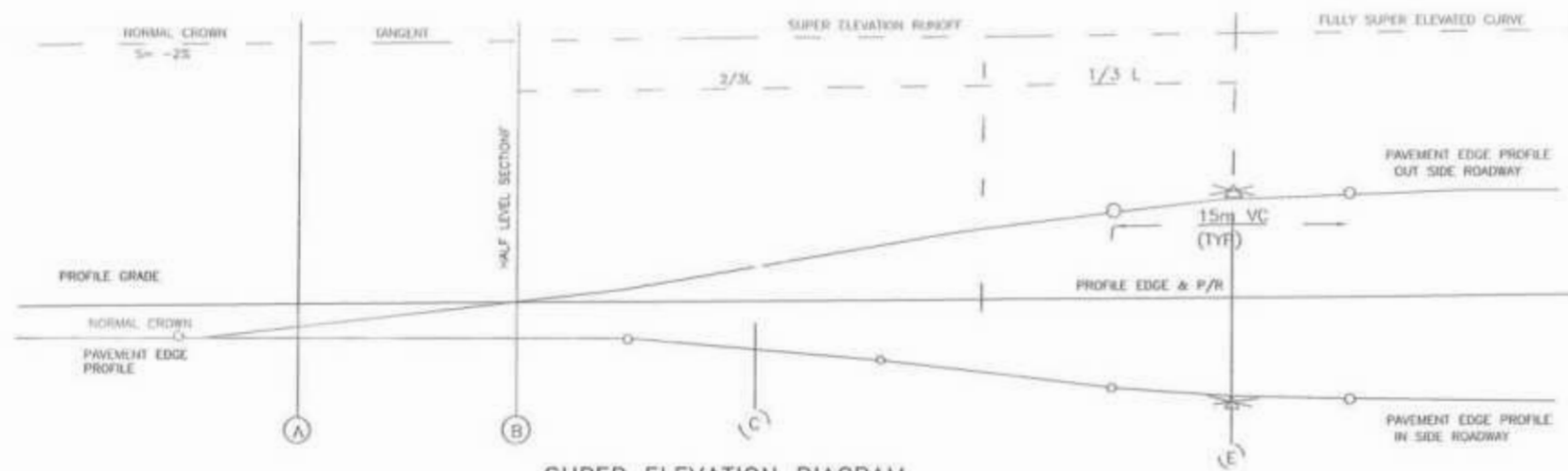
NOTES :

- EXISTING ROAD TO BE DISMANTLED WHERE IT MEETS PROPOSED ROAD AT THE JUNCTION LOCATION ONLY AND WILL BE RECONSTRUCTED ACCORDING TO JUNCTION DETAIL AND LIMITS.
- ON JUNCTION MIN. 10 METER STRAIGHT PORTION SHOULD BE PROVIDED.
- RAD# SHOWN ARE TYPICAL AND MAY BE ADJUSTED AS PER SITE CONDITIONS AS APPROVED BY THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLI-METER UNLESS OTHERWISE SPECIFIED.

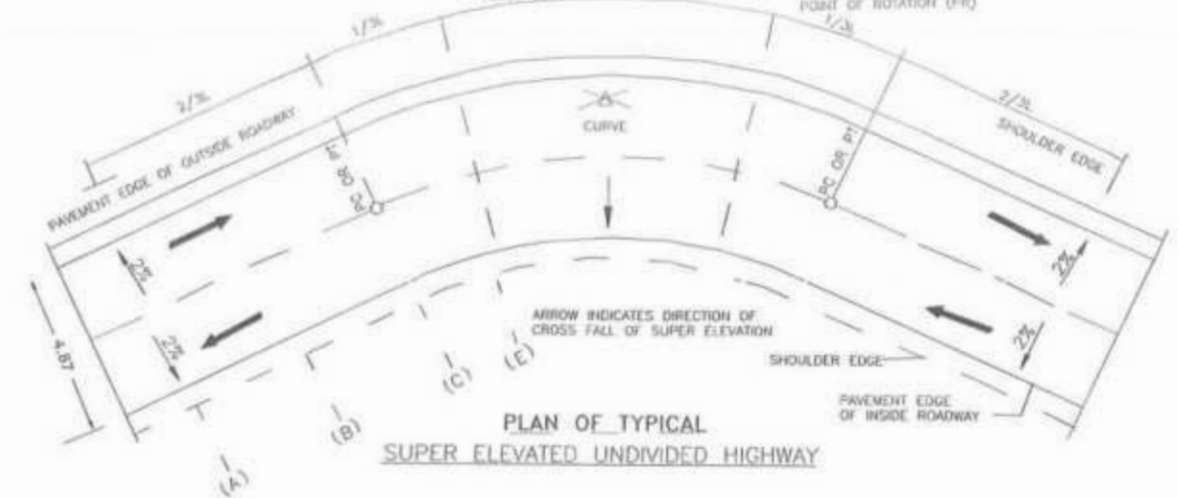


(Handwritten signature)

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58135-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	N.T.S	MINOR JUNCTION DETAILS
		a			DRAWN: IMRAN TARIQ		TOURISM	DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG. 2024	
		c			APPROVED: AQEEL YOUNIS			DWG NO: CEC/HR/P-RRDN-CHT-9/ MJD - 956	

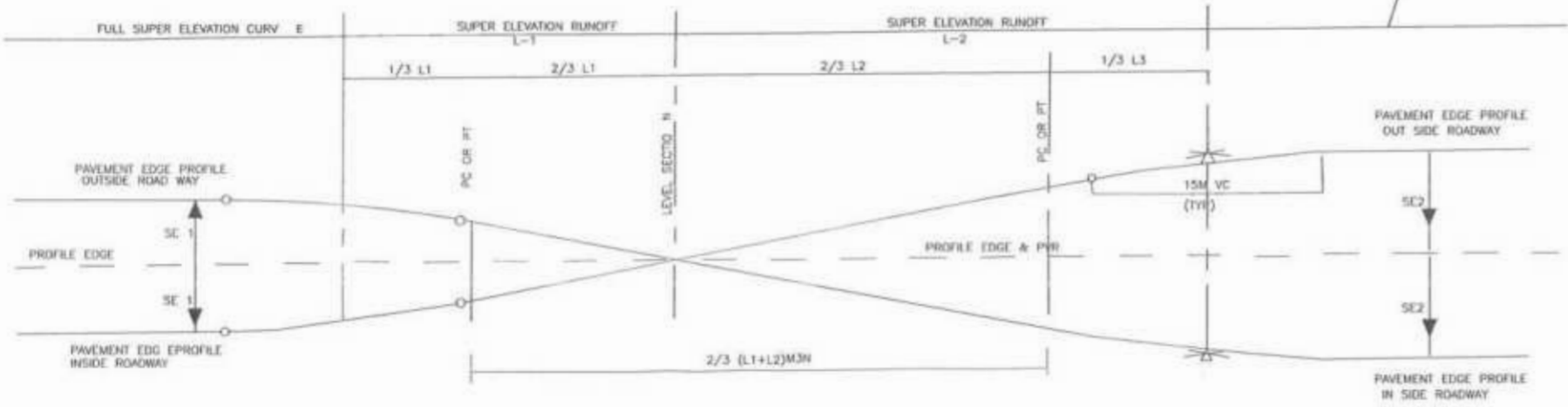


SUPER ELEVATION DIAGRAM ON SIMPLE RIGHT AND CURVES



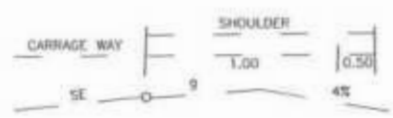
PLAN OF TYPICAL SUPER ELEVATED UNDIVIDED HIGHWAY

FULLY SUPER ELEVATION CURVE



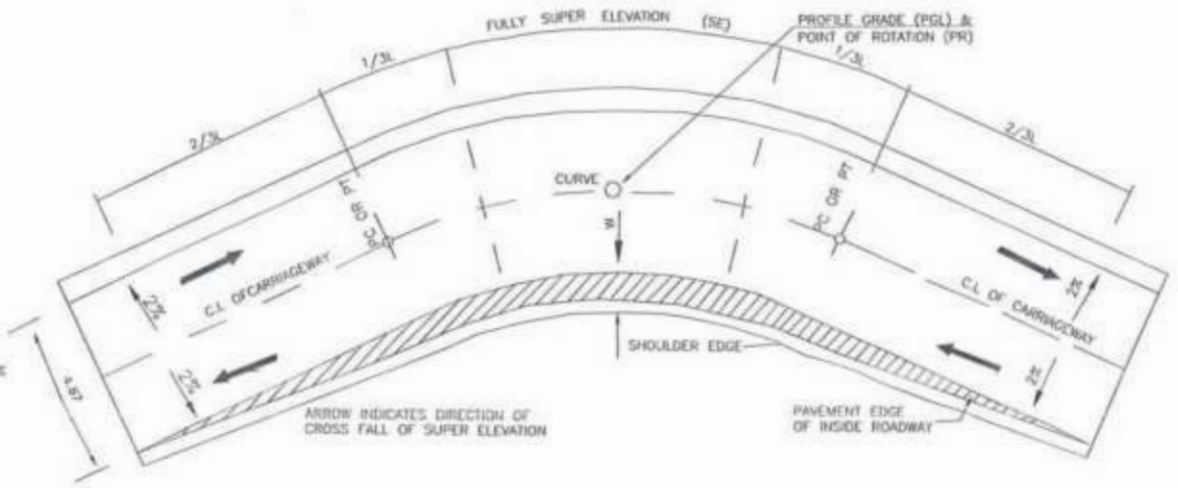
SUPER ELEVATION DIAGRAM ON REVERSE CURVES

SHOULDER	4.87 CARRIAGEWAY		SHOULDER
1.00	2.435	2.435	1.00
-4%	-2%	-2%	-4%
-4%	0%	-2%	-4%
-3%	+2%	+2%	-4%
-2%	+2%	+2%	-4%
-1%	+3%	-2%	-4%
+0%	+4%	+4%	-4%
+1%	+5%	-5%	-2%
+2%	+5%	-6%	-4%



CROWNING AND ROUNDING OF OUTER SHOULDER WHERE > 4%

- ROLL OVER ALGEBRAIC DIFFERENCE SE AND NORMAL SHOULDER SLOPE Lx 4% AT PAVEMENT EDGE NOT TO BE EXCEED 6%
- WHERE THE DIFFERENCE EXCEED 6% THE ABOVE CROWNING OF SHOULDERS SHOULD BE USED WITH $q = (b - SE) \%$



ROAD WIDENING AND SUPER ELEVATED UNDIVIDED HIGHWAY

COMPUTATION OF SUPER ELEVATION

RADIUS	40 KPH		60 KPH	
	SE (m/m)	L (m/m)	SE (m/m)	L (m/m)
950				
900				
850	NC			
800	NC			
750	RC			
700	RC			
650	RC			
600	RC			
550	0.020	10	NC	
500	0.021	10	NC	
460	0.022	11	RC	
400	0.023	12	RC	
350	0.027	15	RC	
300	0.030	15	0.020	10
250	0.033	17	0.023	12
200	0.036	19	0.027	13
100	0.047	25	0.037	18
90	0.050	26	0.039	19
80	0.052	27	0.040	19
70	0.054	28	0.042	20
60	0.056	29	0.044	21
50	0.057	30	0.046	23
40	0.060	31	0.052	25
30			0.057	28
21			0.060	29

ROADWAY WIDENING

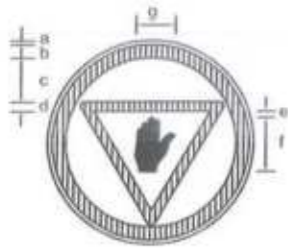
RADIUS (M)	SE (m/m)	L(M)	W(M)
15.00	0.06	32.00	1.20
20.00	0.060	32.00	1.20
25.00	0.060	32.00	1.20
10.00	0.060	32.00	1.20
35.00	0.060	32.00	1.20
40.00	0.060	32.00	1.20
45.00	0.060	32.00	1.20
15.00	0.060	32.00	1.20
55.00	0.060	32.00	1.20
60.00	0.060	32.00	1.20
70.00	0.060	32.00	1.20

RADIUS (M)	SE (m/m)	L(M)	W(M)
80.00	0.060	32.00	1.00
90.00	0.060	32.00	0.80
100.00	0.060	32.00	0.80
120.00	0.060	32.00	0.60
150.00	0.060	32.00	0.60
200.00	0.058	30.00	-
300.00	0.050	25.00	-
400.00	0.043	22.00	-
500.00	-	-	-
600.00	-	-	-
700.00	-	-	-

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

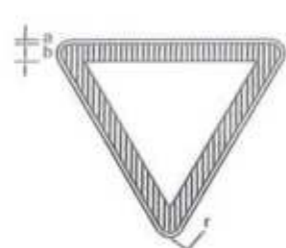


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58615-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES		PROJECT	ROAD NAME	SCALE	SHEET CONTENT
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S AUG. 2024.	SUPER ELEVATION DETAILS
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
		c			APPROVED	AQEEL YOUNIS				
DWG NO: CEC/RWP/RRDN-CHT-9/ SE - 06										



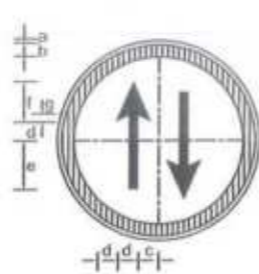
STOP SIGN R-1
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	16.0	18.70
d	5.5	6.4
e	3.5	4.1
f	30.0	35.0
g	18.5	21.60



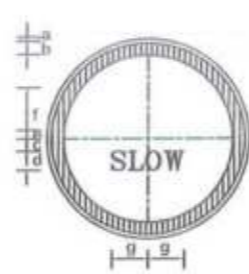
GIVE WAY SIGN R-2
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
r	3.5	4.1



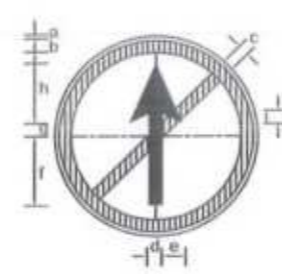
PRIORITY ROAD SIGN R-3
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	10.5	12.20
d	7.0	8.2
e	26.0	30.3
f	19.0	22.2
g	2.0	2.3



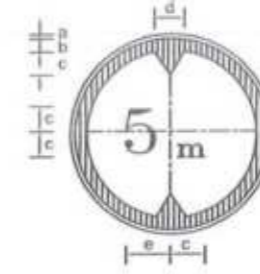
SLOW SIGN R-4
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	14.5	16.9
e	2.0	2.3
f	24.5	28.6
g	27.6	31.5



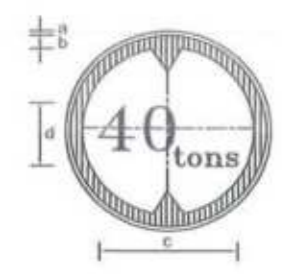
NO ENTRY SIGN R-6
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	8.0	9.3
e	9.0	10.5
f	30.5	35.6
g	7.0	8.2
h	23.5	27.4
i	4.5	5.2



HEIGHT LIMIT SIGN R-16
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	16.5	19.2
d	26.0	30.3
e	20.0	23.3



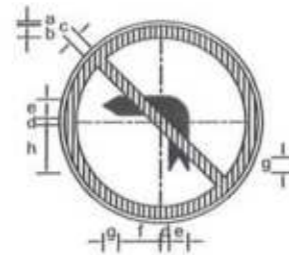
GROSS WEIGHT LIMIT SIGN R-18
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	49.0	57.2
d	40.0	46.7



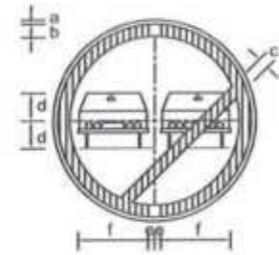
NO RIGHT TURN SIGN R-20
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	6.0	7.0
e	10.0	11.6
f	25.0	29.2
g	5.0	5.8
h	30.0	35.0



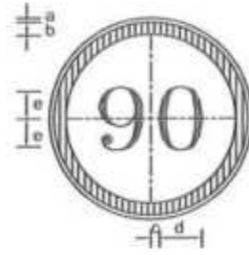
NO LEFT TURN SIGN R-21
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	6.0	7.0
e	10.0	11.6
f	25.0	29.2
g	5.0	5.8
h	30.0	35.0



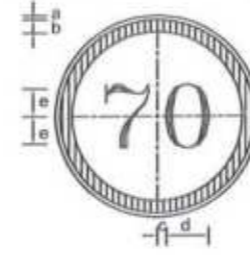
OVERTAKING PROHIBITED SIGN R-23
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	12.0	14.0
e	3.0	3.5
f	29.5	34.4



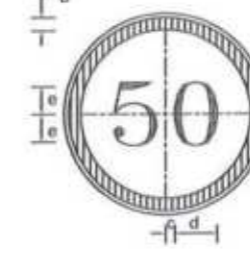
SPEED LIMIT SIGN R-25-1
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



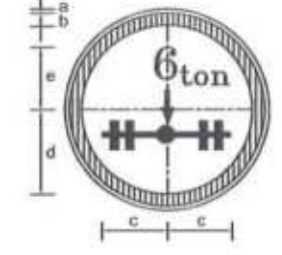
SPEED LIMIT SIGN R-25-2
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



SPEED LIMIT SIGN R-25-3
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



AXLE WEIGHT LIMIT SIGN R-19
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	28.0	32.7
d	23.0	26.8
e	32.0	37.3



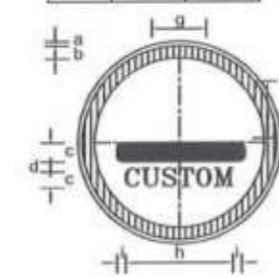
SPEED LIMIT SIGN R-25-4
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	23.0	26.8
e	20.0	23.3



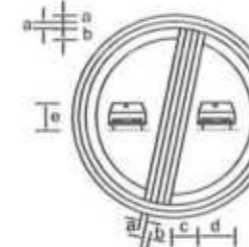
POLICE CHECK POST SIGN R-27
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	7.5	8.8
d	3.0	3.5
e	10.0	11.7
f	27.5	32.1
g	29.0	33.8
h	28.0	32.7



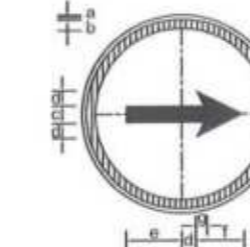
CUSTOM CHECK SIGN R-28
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	6.5	7.6
c	8.0	9.3
d	4.0	4.7
e	11.0	12.8
f	31.0	36.2
g	41.0	47.8
h	52.0	60.7
i	7.5	8.7



END OF OVERTAKING RESTRICTION SIGN R-31
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	1.7	7.6
c	10.0	11.7
d	25.0	29.2
e	21.0	24.5



TURN RIGHT SIGN R-34
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	4.0	4.7
c	8.0	9.3
d	9.0	10.5
e	32.0	37.3
f	23.0	26.8
g	4.5	5.2



TURN LEFT SIGN R-35
DIMENSIONS (cm)

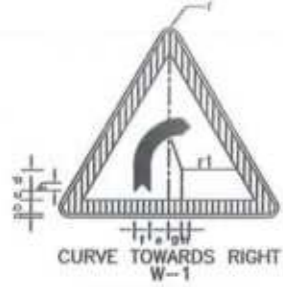
PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	4.0	4.7
c	8.0	9.3
d	9.0	10.5
e	32.0	37.3
f	23.0	26.8
g	4.5	5.2

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



- NOTES:
- 1 - For Sign Locations Refer To Plan Sheets.
 - 2 - Final Location To Be Decide By The Engineer As Per Site.
 - 3 - Some Of The Sign Faces As Shown Are Reversible And The Actual Face Detail Shall Be Identified Prior To Placing Any
 - 4 - All Signs To Have High Intensity Reflective Sheeting In Accordance With The Relevant Clause In The Specification.
 - 5 - Sign Legends Shall Be Approved By Engineer And Client.

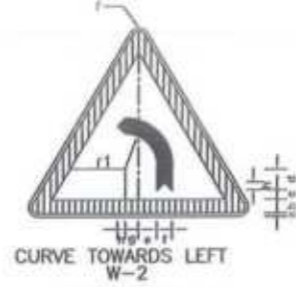
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S	TRAFFIC SIGNS DETAILS
		1			DRAWN	IMRAN TARIQ				
		2			CHECKED	SHAHZAD DURRANI				
3			APPROVED	AQEEL YOUNIS						
<p>DWG NO: CEC/HRP/RRDP/CHT-9/ TSD - 07a</p>										



CURVE TOWARDS RIGHT W-1

DIMENSIONS (cm)

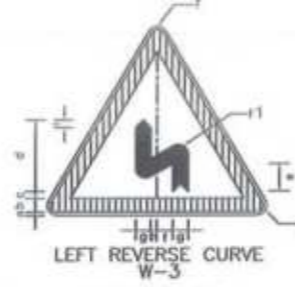
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



CURVE TOWARDS LEFT W-2

DIMENSIONS (cm)

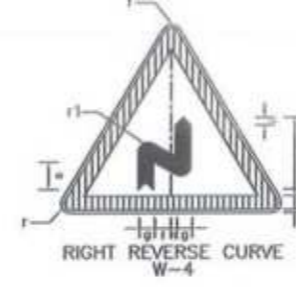
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



LEFT REVERSE CURVE W-3

DIMENSIONS (cm)

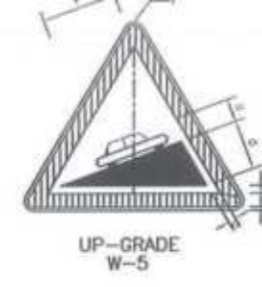
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	33.0	38.5
e	14.0	16.3
f	8.0	9.3
g	7.0	8.2
h	2.0	2.3
i	3.5	4.1
r1	4.5	5.2



RIGHT REVERSE CURVE W-4

DIMENSIONS (cm)

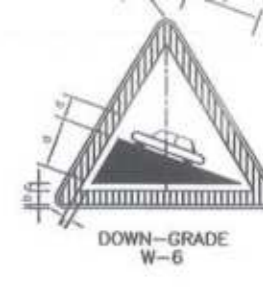
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	33.0	38.5
e	14.0	16.3
f	8.0	9.3
g	7.0	8.2
h	2.0	2.3
i	3.5	4.1
R1	4.5	5.2



UP-GRADE W-5

DIMENSIONS (cm)

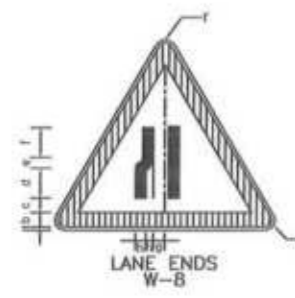
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5



DOWN-GRADE W-6

DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5



LANE ENDS W-8

DIMENSIONS (cm)

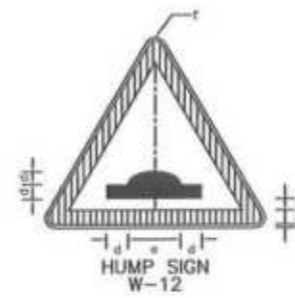
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	14.0	16.3
e	7.2	8.4
f	11.3	13.2
g	3.5	4.1
h	33.0	5.8



CARRIAGE WAY NARROWS W-8

DIMENSIONS (cm)

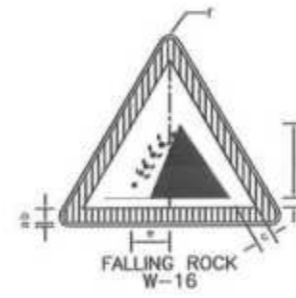
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	10.0	11.7
e	14.0	16.3
f	2.5	2.9
g	5.0	5.8



HUMP SIGN W-12

DIMENSIONS (cm)

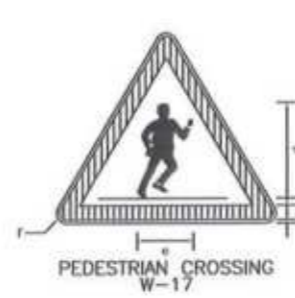
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	7.0	8.2
e	32.0	37.3



FALLING ROCK W-16

DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	38.0	44.3
e	12.0	14.3



PEDESTRIAN CROSSING W-17

DIMENSIONS (cm)

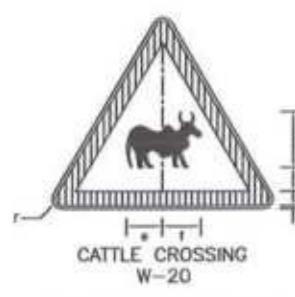
PARTS	SIGN SIZE	
	90cm	105cm
r	2.9	3.5
a	0.8	1.0
b	5.4	6.5
c	2.1	2.5
d	35.8	43.0
e	19.2	23.0



CHILDREN CROSSING W-18

DIMENSIONS (cm)

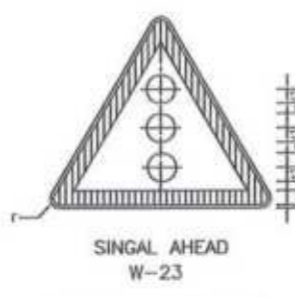
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.5	5.3
d	28.5	33.3
e	37.5	43.8



CATTLE CROSSING W-20

DIMENSIONS (cm)

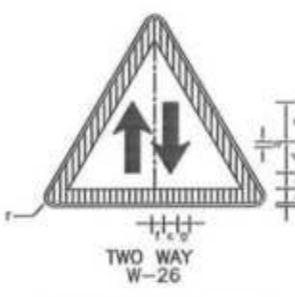
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.0	2.3
d	22.0	25.7
e	18.5	21.6
f	17.5	20.4



SINGAL AHEAD W-23

DIMENSIONS (cm)

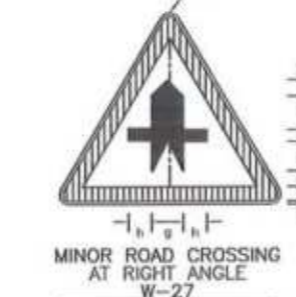
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
R1	6.5	7.6



TWO WAY W-26

DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	9.0	10.5
e	19.0	22.2
f	5.0	5.8
g	3.5	4.1



MINOR ROAD CROSSING AT RIGHT ANGLE W-27

DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	15.0	17.5
e	6.0	7.0
f	11.0	12.8
g	13.5	15.7
h	8.5	9.9



MINOR ROAD CROSSING ONE SIDE ONLY W-29

DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.5	15.8
e	5.5	6.4
f	15.0	17.5
g	7.0	8.2
h	14.0	16.3
i	10.5	12.3



MINOR ROAD CROSSING ONE SIDE ONLY W-29a

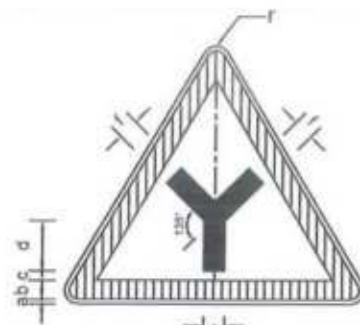
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.5	15.8
e	5.5	6.4
f	15.0	17.5
g	7.0	8.2
h	14.0	16.3
i	10.5	12.3

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

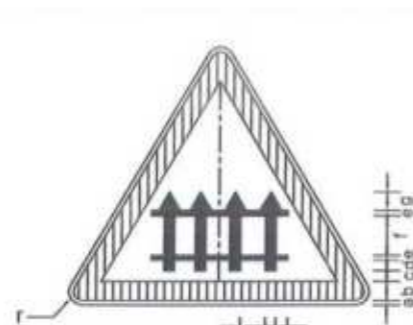


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58855-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S	AUG, 2024	TRAFFIC SIGNS DETAILS
		a			DRAWN: IMRAN TARIQ					
		b			CHECKED: SHAHZAD DURRANI					
c			APPROVED: AQEEL YOUNIS							
DWG NO: CECRWKP-RRDN-CHT-9-1SD-09										



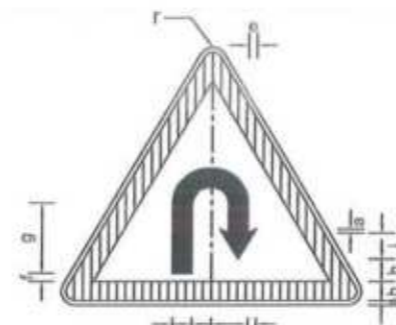
JUNCTION SIGN
W-31

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	17.0	19.8
e	13.0	15.2
f	7.0	8.2



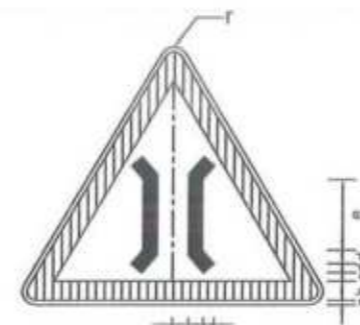
LEVEL CROSSING
WITH GATES
W-33

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	1.5	1.8
d	2.5	2.9
e	3.0	3.5
f	7.5	8.8
g	3.5	4.1
h	2.0	2.3
i	4.0	4.7



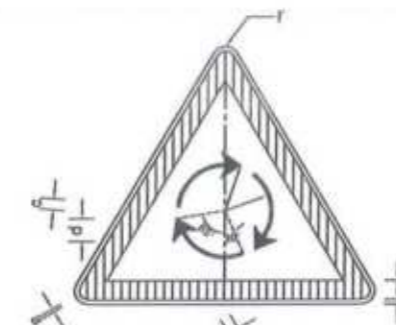
U-TURN
W-34

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	7.0	8.2
e	5.0	5.8
f	2.5	2.9
g	23.0	26.8
h	7.5	8.8
i	12.0	14.0



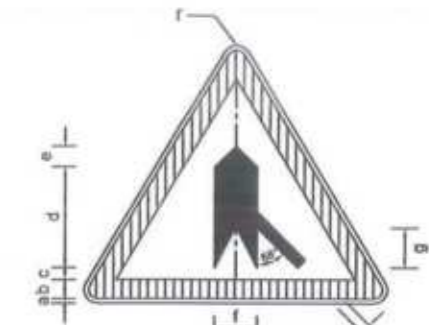
NARROW BRIDGE
W-35

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	6.0	7.0
d	2.5	2.9
e	15.0	17.5
f	4.0	4.7
g	3.0	3.5



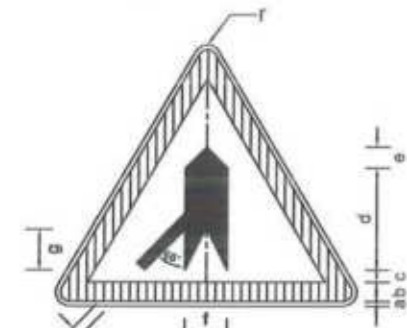
ROUNDBOUT AHEAD
W-36

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	9.0	10.5
R1	12.0	14.0
R2	16.0	18.7



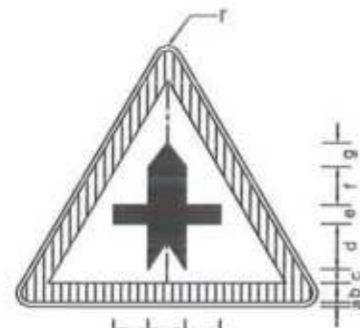
MERGE SIGN
W-37

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4



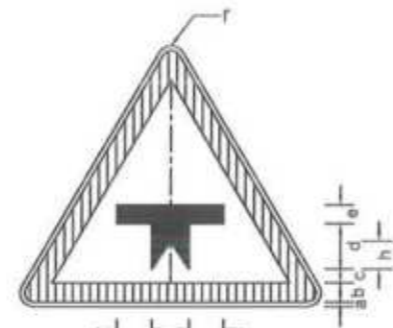
MERGE SIGN
W-37A

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4



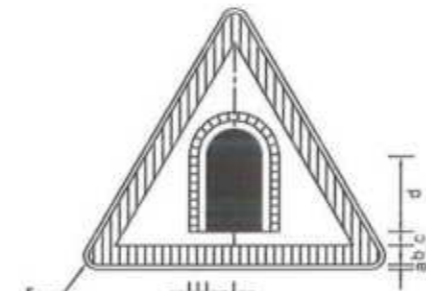
MAJOR ROAD AHEAD
W-38

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.0	15.2
e	7.0	8.2
f	10.0	11.7
g	2.5	2.9
h	5.0	5.8



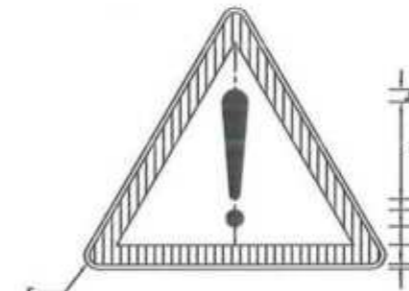
MAJOR ROAD AHEAD
W-39

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	15.5	18.1
e	7.0	8.2
f	5.0	5.8
g	11.0	12.8
h	2.5	2.9



TUNNEL SIGN
W-40

PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
d	17.0	19.8
e	9.0	10.5
f	2.0	2.3
g	4.0	4.7



OTHER DANGER WARNING
W-40

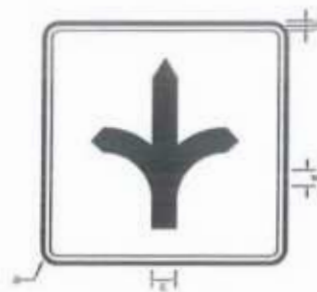
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
d	10.0	11.7
e	2.0	2.3
f	1.7	2.0
g	25.0	29.2
h	5.0	5.8

Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar.

[Handwritten signature]

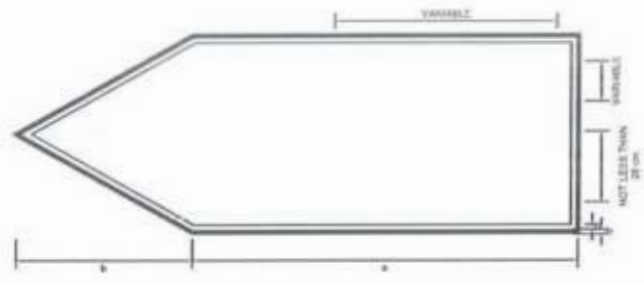


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA</p> <p>COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58615-P)</p> <p>J.V.</p> <p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	TANZEEL	<p>N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY</p> <p>TOURISM</p>	N.T.S	<p>TRAFFIC SIGNS DETAILS</p> <p>DWG NO: CEC/NKP/RRDN-CHT-9/ TSD - 07c</p>	
		e			DRAWN	IRAN TARIO		<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)</p>		DATE:
		b			CHECKED	SHAHZAD DURRANI				AUG. 2024.
		c			APPROVED	AQEEL YOUNIS				



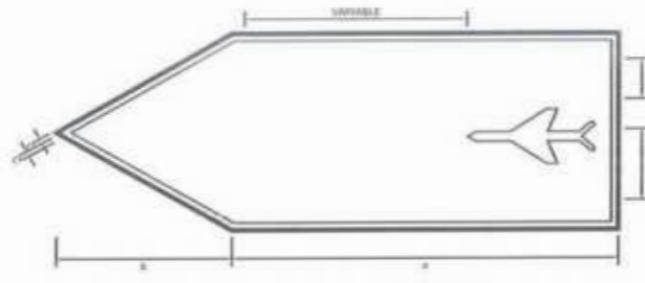
DESTINATION SIGN
I-1

PARTS	SIGN SIZE	
	120 x 120	240 x 240
a	4.5	8.0
b	1.8	2.4
c	12.0	16.0
d	22.5	30.0



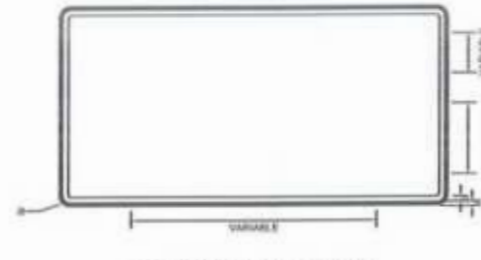
DIRECTION SIGN
I-3

PARTS	SIGN SIZE	
	225 x 90	300 x 120
a	180.0	240.0
b	45.0	60.0
c	1.8	2.4



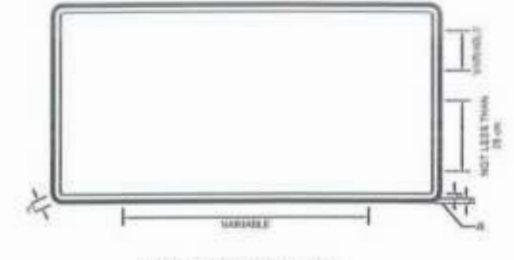
DIRECTION SIGN
I-4

PARTS	SIGN SIZE	
	225 x 90	300 x 120
a	180.0	240.0
b	45.0	60.0
c	1.8	2.4



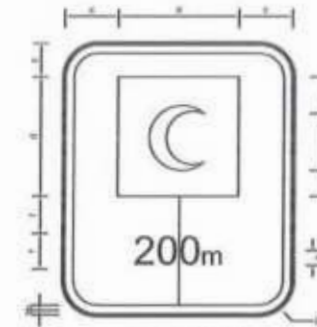
BEGINNING OF MUNICIPAL LIMIT
I-5

PARTS	SIGN SIZE	
	225 x 135	300 x 180
a	4.5	6.0
b	1.8	2.4



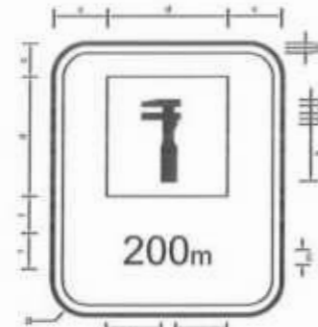
END OF MUNICIPAL LIMIT
I-6

PARTS	SIGN SIZE	
	225 x 135	300 x 180
a	4.5	6.0
b	1.8	2.4
b	20.3	27.0



FIRST AID STATION
I-9

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	40.0	
f	26.0	
g	14.0	



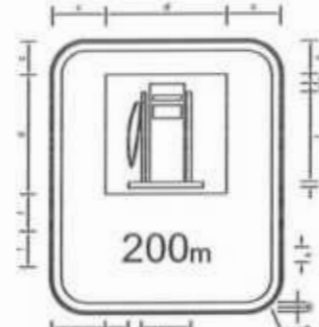
AUTO REPAIR SHOP
I-10

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	30.0	
f	15.0	
g	35.0	
h	5.0	
i	11.0	
j	7.0	
k	44.0	
l	26.0	
m	14.0	



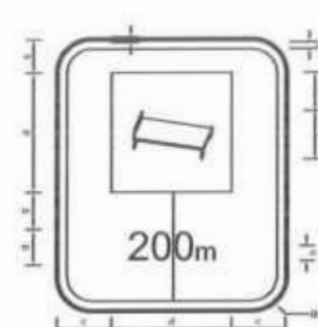
PHONE SERVICE
I-11

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	26.0	
f	14.0	



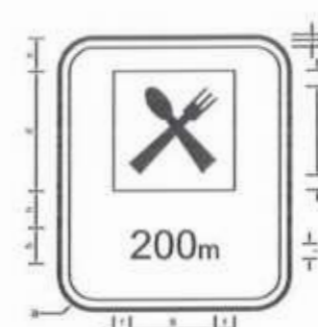
PETROL PUMP
I-12

PARTS	SIGN SIZE	
	120 x 180	
a	8.0	
b	2.4	
c	20.0	
d	80.0	
e	4.0	
f	60.0	
g	8.0	
h	12.0	
i	17.0	
j	26.0	
k	14.0	



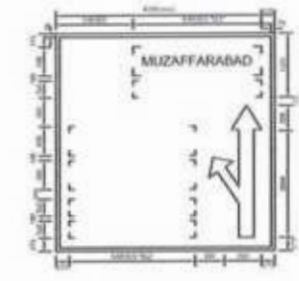
HOTEL / MOTEL
I-13

PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	18.8	25.0
f	60.0	32.0
g	19.5	26.0
h	10.5	14.0

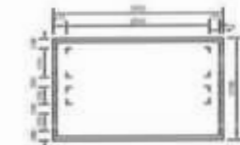


RESTAURANT
I-14

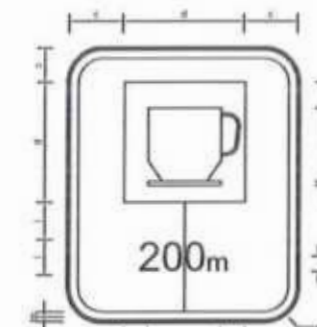
PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	51.0	68.0
f	12.0	16.0
g	36.0	48.0
h	19.5	26.0
i	10.5	14.0



JUNCTION SIGN
(200m SHORT OF JUNCTION)



DESTINATION SIGN
(200m OF LIMITS OF TOWN)



CAFETERIA
I-15

PARTS	SIGN SIZE	
	120 x 180	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	16.0	
f	34.0	
g	8.0	
h	64.0	
i	26.0	
j	14.0	



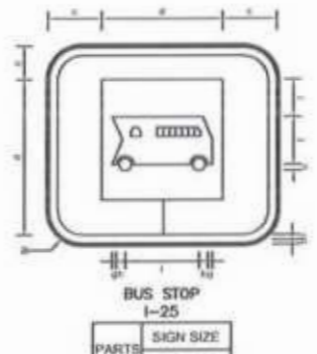
PICNIC SITE
I-16

PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	3.0	4.0
f	42.0	56.0
g	11.3	15.0
h	6.0	8.0
i	48.0	64.0
j	19.5	26.0
k	10.5	14.0



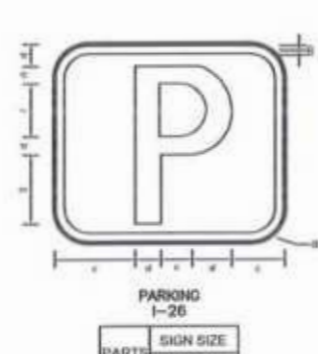
HOSPITAL SIGN
I-22

PARTS	SIGN SIZE	
	90 x 90	120 x 120
a	4.5	6.0
b	1.8	2.4
c	67.5	90.0
d	18.0	24.0
e	22.5	30.0
f	30.0	40.0



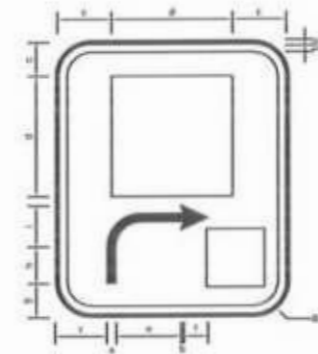
BUS STOP
I-25

PARTS	SIGN SIZE	
	120 x 120	
a	6.0	
b	2.4	
c	20.0	
d	80.0	
e	8.0	
f	26.0	
g	4.0	
h	12.0	
i	48.0	



PARKING
I-26

PARTS	SIGN SIZE	
	120 x 120	
a	6.0	
b	2.4	
c	30.0	
d	13.0	
e	34.0	
f	29.0	
g	40.0	



GENERAL INFORMATION
I-27

PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	12.0	16.0
f	20.3	27.0
g	10.5	14.0
h	28.5	38.0
i	18.0	24.0

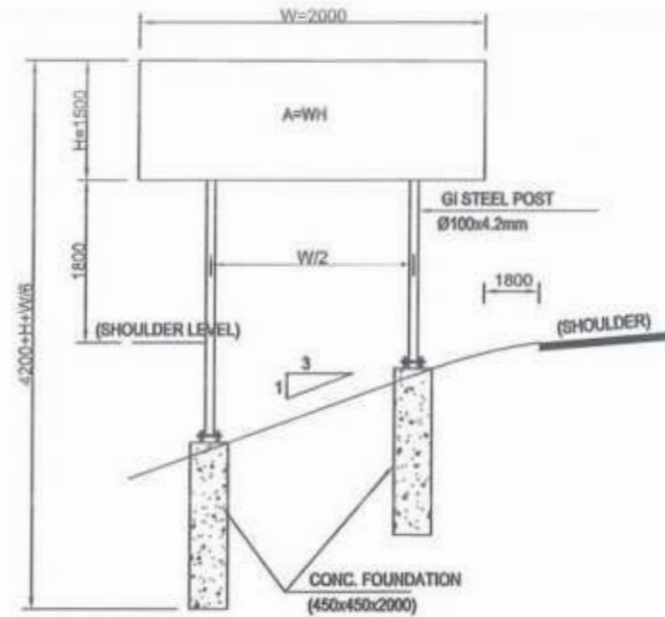
[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



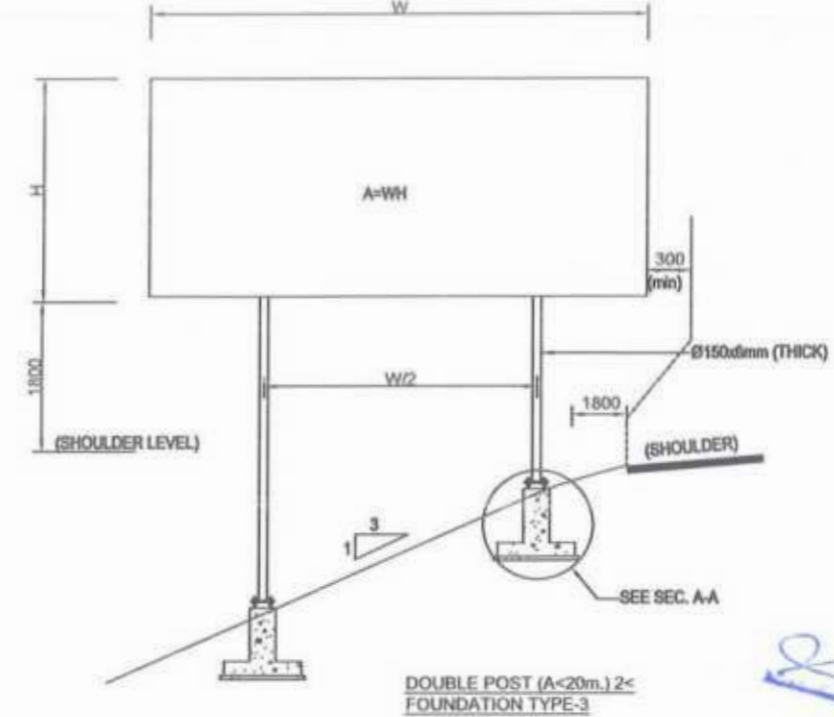
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 55835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)		N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S
		a			DRAWN	IRAN TARIO						DATE:
		b			CHECKED	SHAHZAD DURRANI						AUG, 2024
c			APPROVED	AGEEL YOUNIS	DWG NO: CEC/HRWP-RRDN-CHT-9/ TSD - 07M							



2 SINGLE POST
(A < 1.5m.) 2 <
FOUNDATION TYPE-1



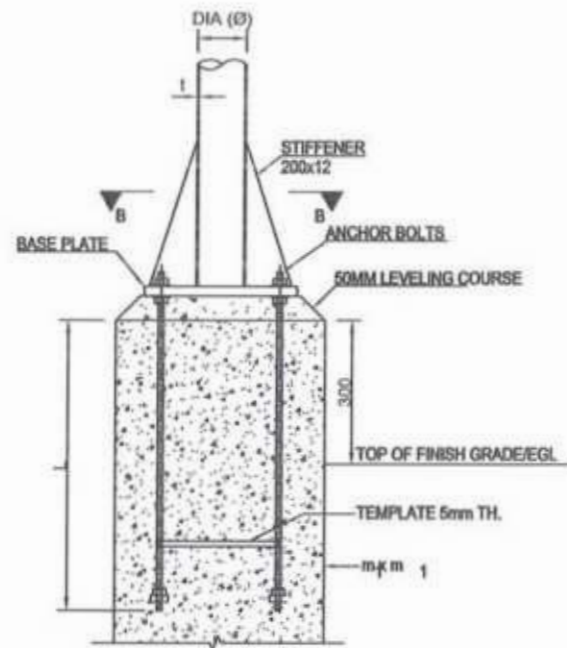
DOUBLE POST (A < 3m.)
2 < FOUNDATION TYPE-2



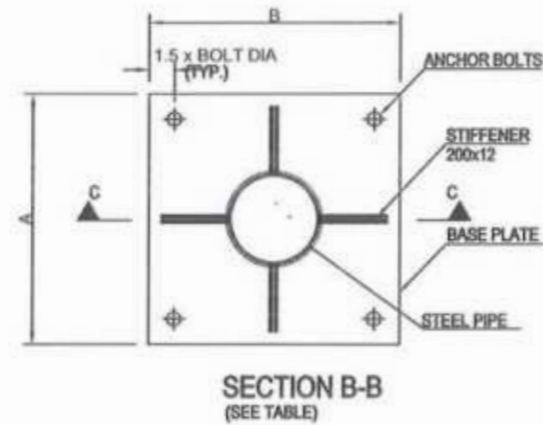
DOUBLE POST (A < 20m.) 2 <
FOUNDATION TYPE-3



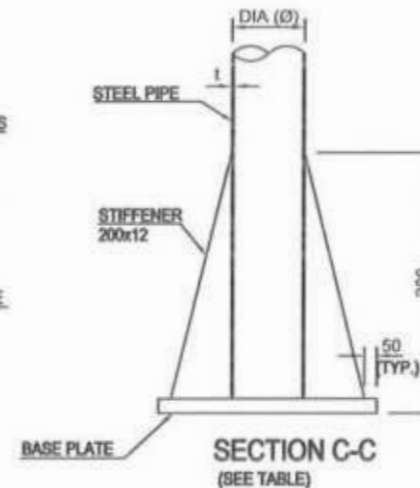
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



BASE PLATE &
ANCHORAGE ELEVATION



SECTION B-B
 (SEE TABLE)



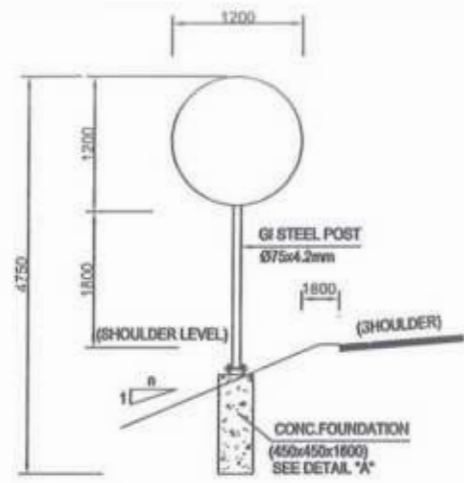
SECTION C-C
 (SEE TABLE)

NOTES:-

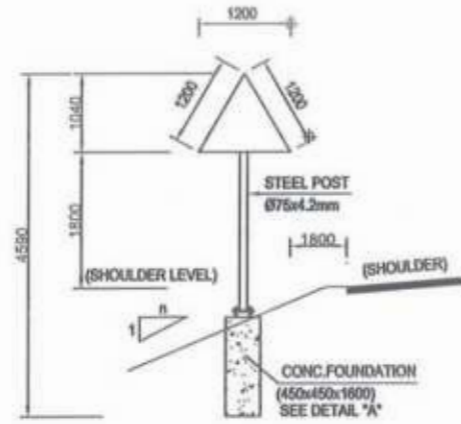
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. FABRICATION GALVANIZING AND ERECTION TO BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
3. AFTER FABRICATION AND BEFORE GALVANIZING THE TRIAL ASSEMBLY OF COMPLETE STRUCTURE SHALL BE DONE.
4. ALL COMPONENTS TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. GALVANIZATION THICKNESS SHALL NOT BE LESS THAN 90 MICRONS.
5. BASE PLATES SHALL BE SET LEVEL TO CORRECT ELEVATION WITH THE HELP OF LEVELING NUTS.
6. STEEL STRUCTURE SHALL BE ASTM A36, OR EQUIVALENT.
7. BOLTS (GALVANIZED) SHALL BE ISO 898-1, GRADE 8.8, OR EQUIVALENT.
8. NUTS (GALVANIZED) SHALL BE ISO 896-2, GRADE 8, OR EQUIVALENT.
9. PLAIN WASHERS (GALVANIZED) SHALL BE ISO 7089, GRADE A CLASS 200, OR EQUIVALENT. ALL BOLTS SHALL BE FIXED WITH ONE PLAIN WASHER.
10. ANCHOR RODS SHALL BE G60 DEFORMED BARS IN ACCORDANCE WITH ASTM A615.
11. WELDING ELECTRODES SHALL BE E 60 XX.
12. SIGN PANELS SHALL BE MADE OF ALUMINUM ALLOY PLATES OF MIN. 3mm TH.
13. SIGN PANELS SHOULD BE RIVETED TO STEEL MEMBER OF SUPPORTING FRAME.
14. ALL STRUCTURAL CONCRETE SHALL HAVE MINIMUM CYLINDER STRENGTH EQUAL TO 3000psi AT 28 DAYS.
15. ALL REINFORCEMENT SHALL BE GRADE 60 DEFORMED IN ACCORDANCE WITH ASTM A-615 SPECIFICATION.



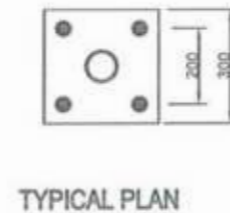
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 08835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS DWG NO: CEC\HW\RRDP\N-CHT-9 TSD - 07a
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AQEEL YOUNIS				



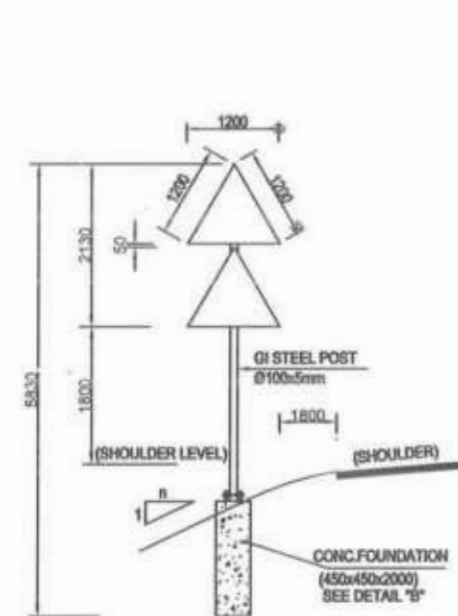
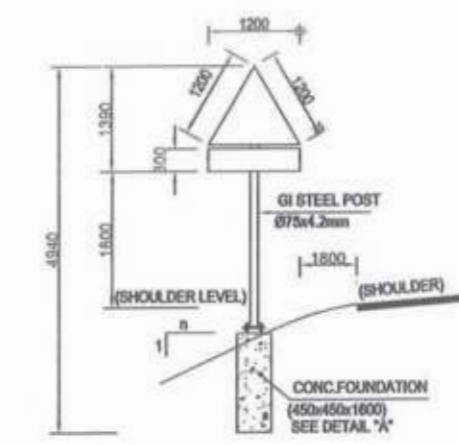
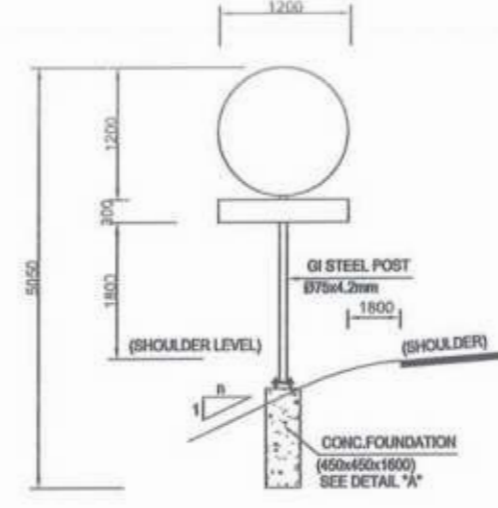
**SINGLE SIGNS
FOUNDATION TYPE-1**



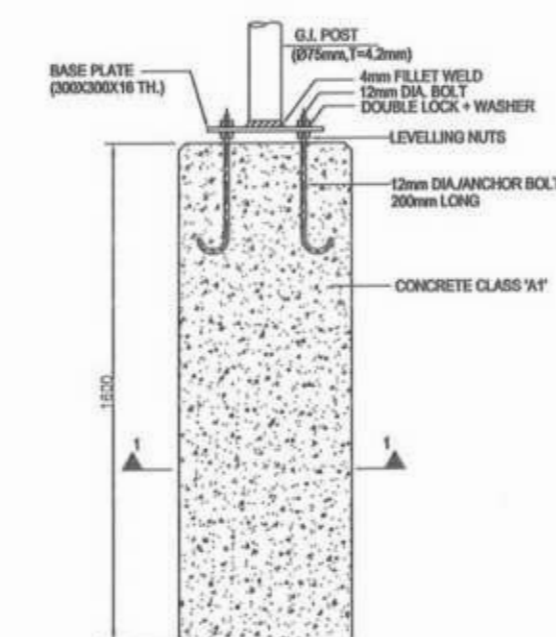
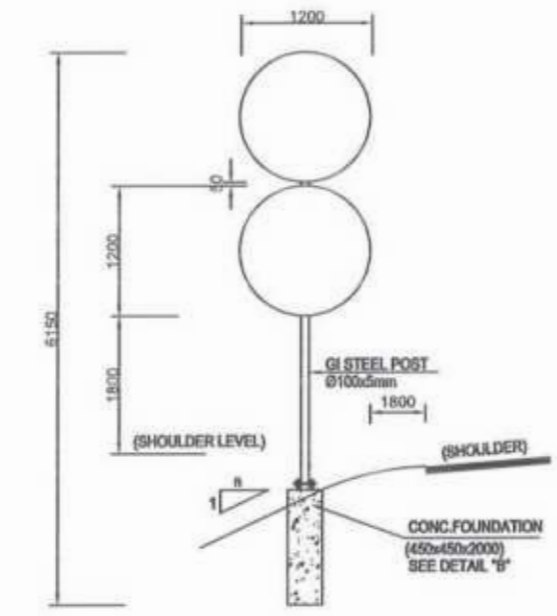
**SINGLE SIGNS WITH ADDITIONAL PLATE
FOUNDATION TYPE-1**



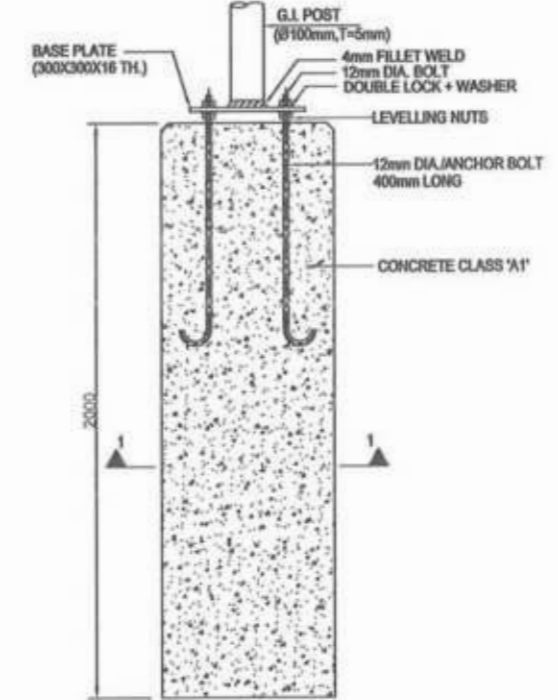
TYPICAL PLAN



**DOUBLE SIGNS
FOUNDATION TYPE-2**



**DETAIL 'A'
CONCRETE FOUNDATION
(TYPE-1)**



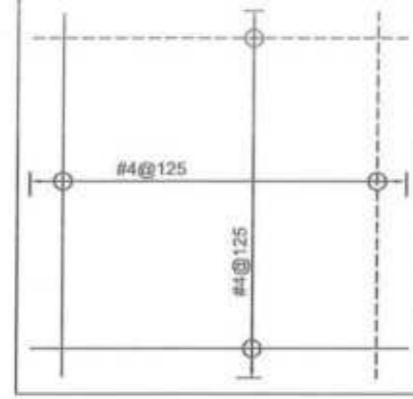
**DETAIL 'B'
CONCRETE FOUNDATION
(TYPE-2)**

*Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.*

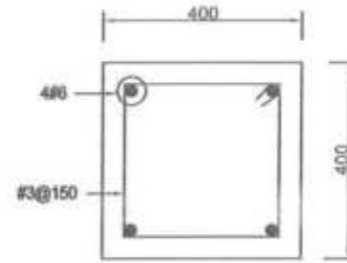


- NOTE:-**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
 2. ALL STRUCTURAL CONCRETE SHALL HAVE MINIMUM CYLINDER STRENGTH EQUAL TO 3000psi AT 28 DAYS.
 3. SIGN PANELS SHALL BE MADE OF ALUMINUM ALLOY PLATES OF MIN. 3mm TH.
 4. SIGN PANELS SHOULD BE RIVETED TO STEEL MEMBER OF SUPPORTING FRAME.

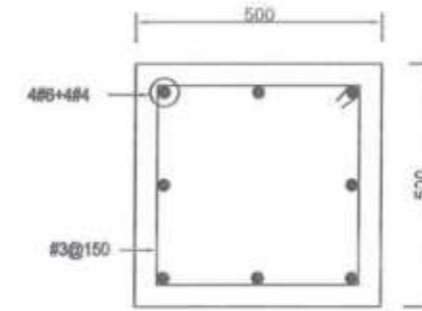
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S	AUG. 2024	TRAFFIC SIGNS FOUNDATION DETAILS
		a			DRAWN	IMRAN TARIQ					
		b			CHECKED	SHAHZAD DURRANI					
c			APPROVED	AQEEL YOUNIS							
<p>DWG NO: CEC/RW/P-RRDN-CHT-9/ TSD - 071</p>											



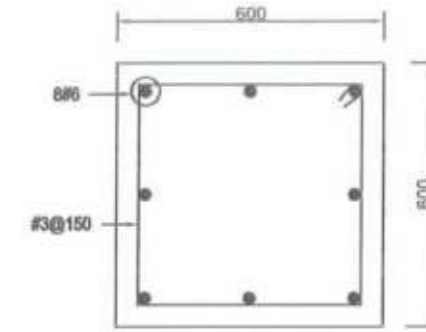
FOUNDATION PLAN (SEE TABLE)



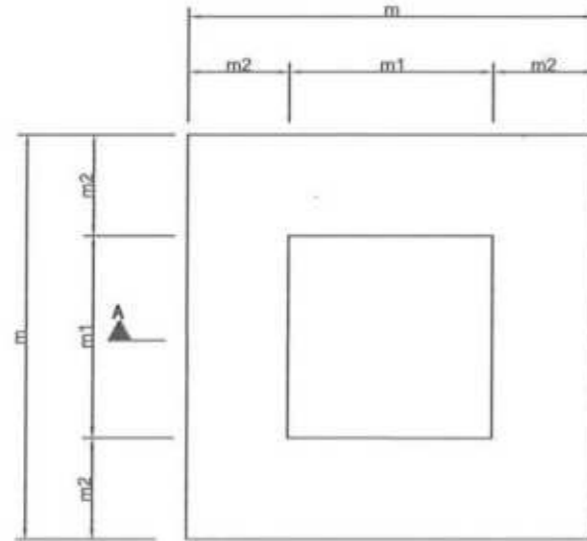
SECTION 1-1



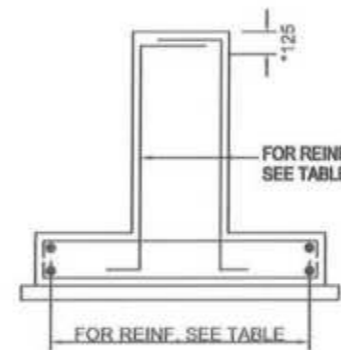
SECTION 2-2



SECTION 3-3

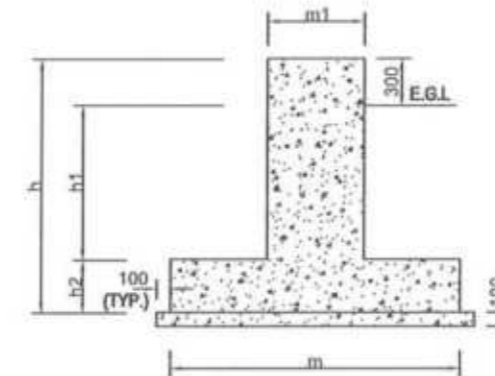


FOUNDATION PLAN (SEE TABLE)



SECTION A-A (REINFORCEMENT) (SEE TABLE)

*ADD 3 TIES OF Ø10 IN THE TOP 125MM OF PEDESTAL WITH EXISTING LATERAL/ SHEAR REINFORCEMENT.



SECTION A-A (CONCRETE OUTLINE) (SEE TABLE)

*ADD 3 TIES OF Ø10 IN THE TOP 125MM OF PEDESTAL WITH EXISTING LATERAL/ SHEAR REINFORCEMENT.

[Handwritten Signature]

Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar.

TABLE - 1

AREA OF SIGN BOARD A (M) ²	STRUCTURAL CONCRETE SIZING (mm)						STRUCTURAL STEEL SIZING (mm)						REINFORCEMENT		
	PEDESTAL m ₁ x m ₁	FOUNDATION PAD m x m	m ₂	h ₁	h ₂	h	PIPE		BASE PLATE		ANCHOR BOLTS (J-TYPE)		PEDESTAL	PAD	
							DIA (Ø)	THICKNESS (t)	PLAN SIZE (AxB)	THICKNESS (T)	DIA.	EMBEDMENT (L)			Number
3 < A < 5	400x400	1000x1000	400	1250	350	1600	125	6	300x300	22	16	400	4	SEE SEC. 1-1	SEE FOUNDATION PLAN
5 < A < 10	500x500	1350x1350	525	1175	425	1600	150	10	400x400	25	20	450	4	SEE SEC. 2-2	
10 < A < 15	500x500	1500x1500	525	1125	475	1600	175	10	400x400	28	22	500	4	SEE SEC. 2-2	
15 < A < 20	600x600	1750x1750	625	1050	550	1600	200	10	500x500	32	25	600	4	SEE SEC. 3-3	

TABLE - 2

INFORMATION	
FOUNDATION TYPE-1	FOR SINGLE SIGNS AND SINGLE SIGNS WITH ADDITIONAL PLATE
FOUNDATION TYPE-2	FOR DOUBLE SIGNS, FOR SINGLE POST SIGNS WITH AREA <1.5m ² & FOR DOUBLE POST SIGNS WITH AREA <3m ²
FOUNDATION TYPE-3	FOR DOUBLE SIGNS WITH 3 < AREA <20m ²

[Handwritten Signature]



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58105-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED: TANZEEL	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)</p>	<p>N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM</p>	N.T.S	<p>TRAFFIC SIGNS FOUNDATION DETAILS</p>
		a			DRAWN: IMRAN TARIQ			DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG, 2024.	
		c			APPROVED: AQEEL YOUNIS			DWG NO: CEG/WIP/RRDN-CHT-9/ 1SD - 07g	

PAVEMENT MARKING LINES

FOR DIMENSIONS L & W1 TO W5, SEE TABLE-1



L1 - BROKEN GUIDE LINE - WHITE

AT CENTERLINE OF DIVIDED 2-LANE



L2 - BROKEN WARNING LINE - WHITE

LANE MARKING FOR MIX TRAFFIC



L3 - CONTINUOUS LINE - WHITE

AT NO PASSING ZONES



L4 - CONTINUOUS EDGE LINE - YELLOW

AT EDGE OF PAVEMENT AT ALL LOCATIONS



L5 - DASHED LINE - WHITE

AT SEPARATION OF THROUGH LANES FROM ACCELERATION LANE



L6 - DOTTED LINE - WHITE

FOR DEFINING VEHICLE PATHS WITHIN INTERSECTIONS



L7 - STOP LINE - WHITE

AT INTERSECTIONS ACROSS PAVEMENT



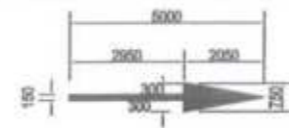
L8 - TRANSVERSE YIELD LINE - WHITE

AT INTERSECTIONS ACROSS PAVEMENT IN THE SAME POSITION AS L7 LINE TO INDICATE GIVE WAY

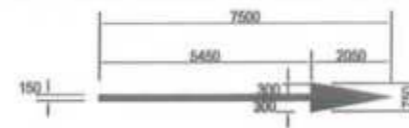


L9 - DOTTED LINE - YELLOW

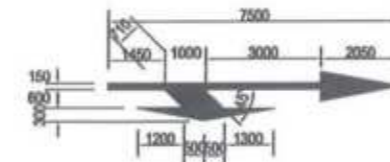
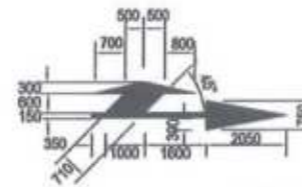
FOR EDGE LINE WHERE PARKING BAYS ARE PROVIDED OUTSIDE THE LANE



ARROWS TYPE-I (STRAIGHT)



ARROWS TYPE-II (COMBINED)

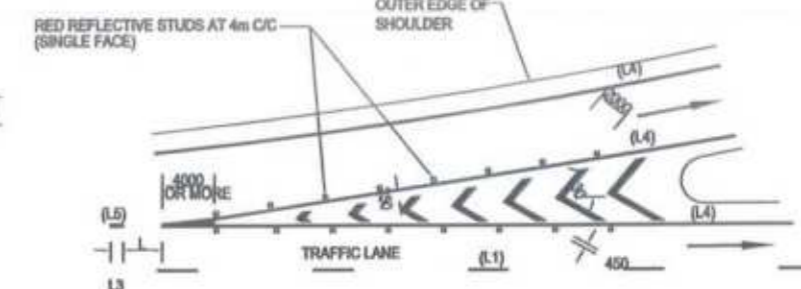


(FOR $\leq 60 \text{ Km/hr}$)

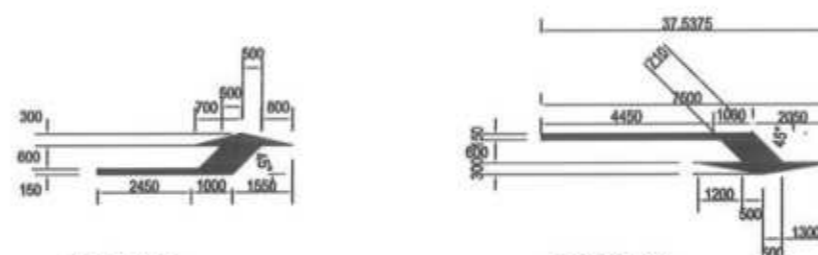
(FOR $> 60 \text{ Km/hr}$)

ARROWS TYPE-III (DEFLECTION)

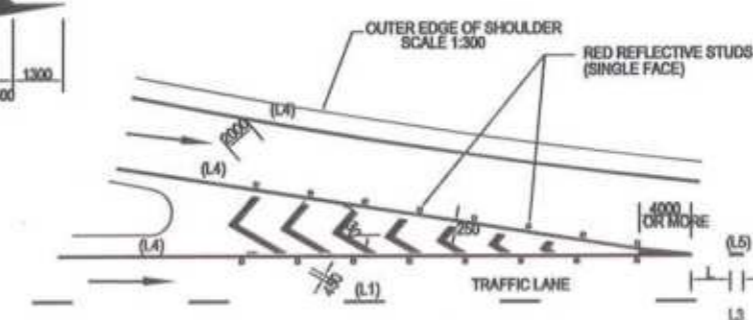
LANE SELECTION ARROWS - WHITE



ENTRANCE NOSE DETAIL



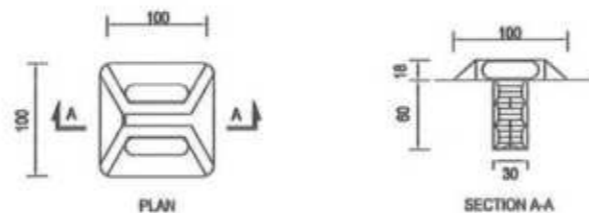
EXIT NOSE DETAIL
SCALE 1:300



PROJECT ROAD

TABLE - 1

ROADWAY SPEED	L (mm)	W1	W2	W3	W4	W5
$\leq 50 \text{ Km/hr}$	2000	100	100	100	300	100
60-80 Km/hr*	3000	120	120	150	300	100
$> 80 \text{ Km/hr}$	4000	150	150	150	300	120
SERVICE ROAD	2000	100	120	100	300	100



REFLECTORISED PAVEMENT STUD
(RAISED PROFILE TYPE)

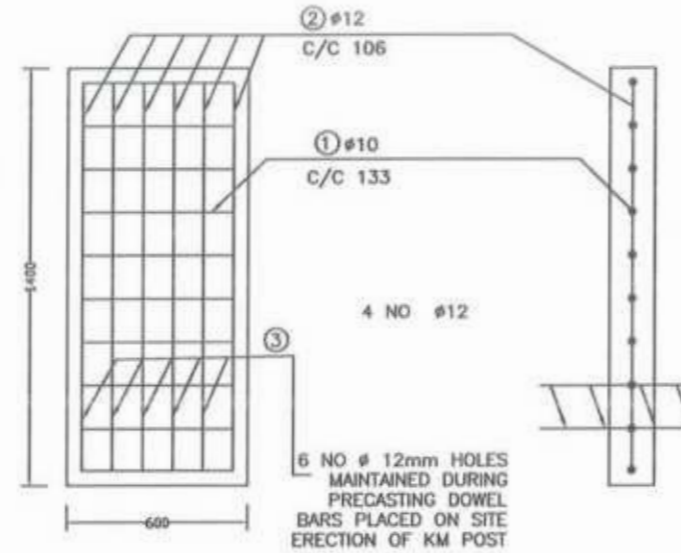
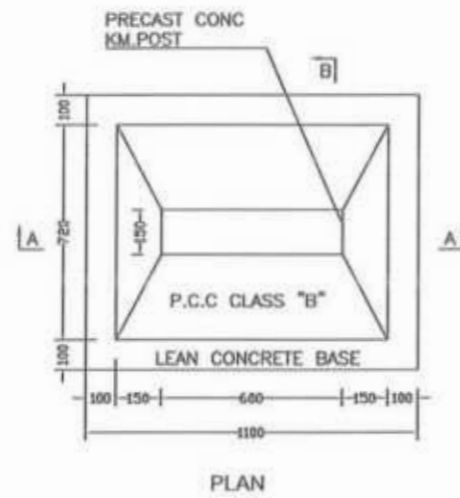
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



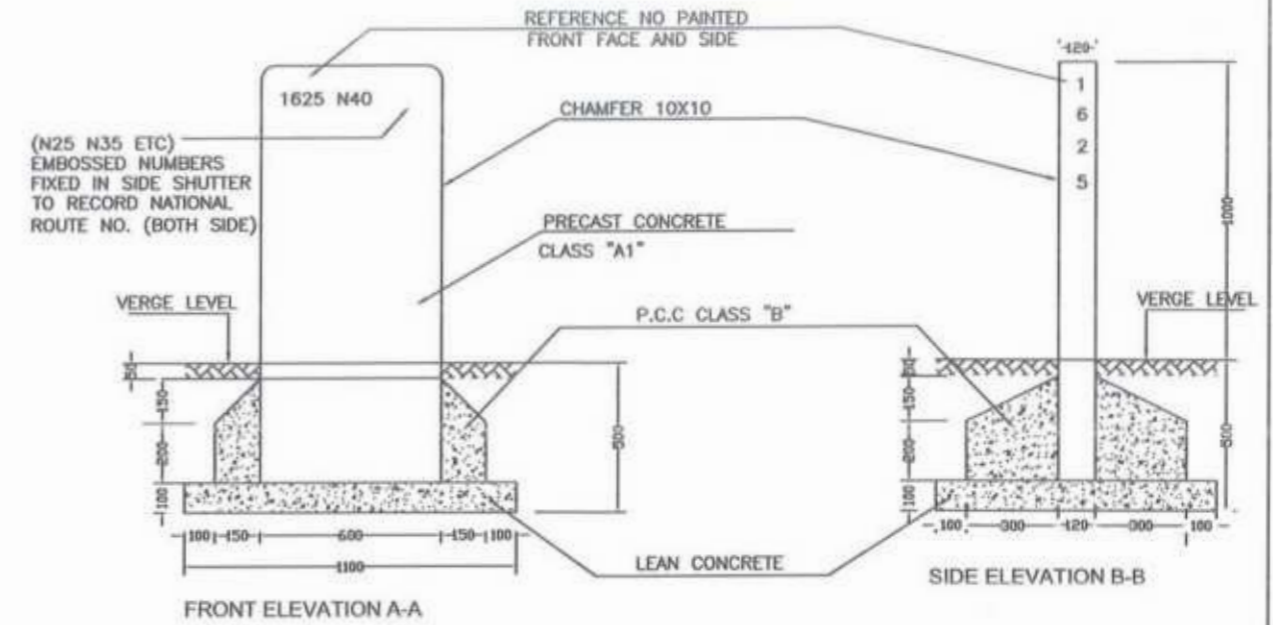
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S	AUG, 2024	TYPICAL PAVEMENT MARKING DETAILS
		a			DRAWN	IMRAN TARIQ					
		b			CHECKED	SHAHZAD DURRANI					
c			APPROVED	AQEEL YOUNIS							
DWG NO. CEC\HW\RRDP\N-CHT-9 PM-08											

BAR NO	DESCRIPTION	DIA. (mm)	NO
①	530mm	10	11
②	1330mm	10	6
③	620mm	12	6
④	620mm	12	4

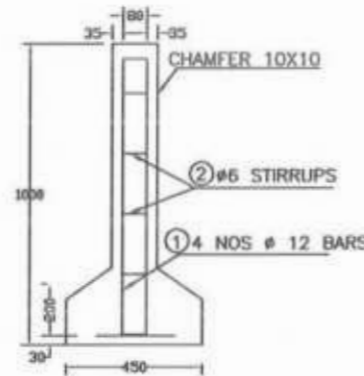
TABLE-1
REINFORCEMENT SCHEDULE



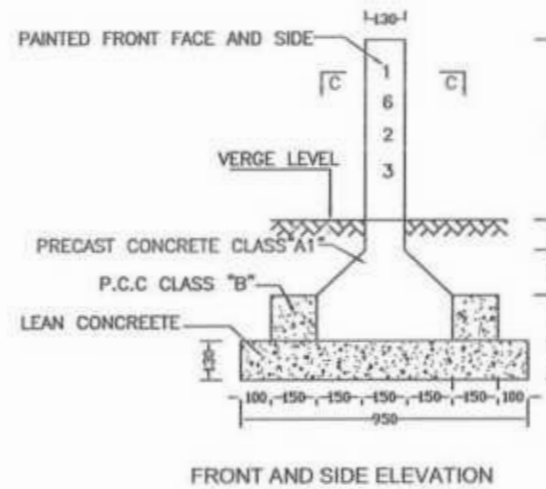
REINFORCEMENT DETAIL
.SEE TABLE-1 OF REINFORCEMENT SCHEDULE



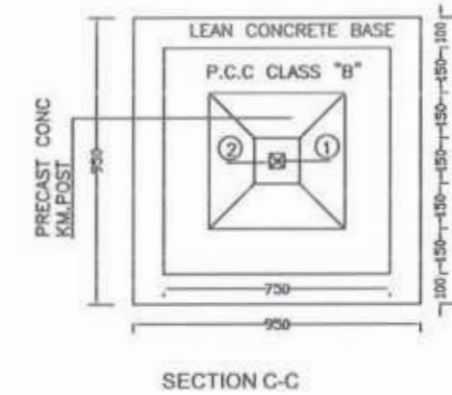
FIVE KILOMETER POST



REINFORCEMENT DETAIL
.SEE TABLE-2 OF REINFORCEMENT SCHEDULE



ONE KILOMETER POST



BAR NO	DESCRIPTION	DIA. (mm)	NO
①	230	12	4
②	40/80	6	9

TABLE-2
REINFORCEMENT SCHEDULE

NOTES:-

1. PRECAST CONCRETE SHALL BE CLASS "A1" AS PER G.S.I 401
2. CONCRETE COVER 35mm
3. P.C.C CLASS "B" AS PER G.S.I 401
4. LEAN CONCRETE SHALL BE AS PER G.S.I 401
5. REINFORCEMENT DEFORMED GRADE 40 AS PER AASHTO M-31
6. BACKGROUND COLOUR WILL BE WHITE WHILE LETTERING COLOUR WILL BE BLACK.
7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

[Signature]
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar.

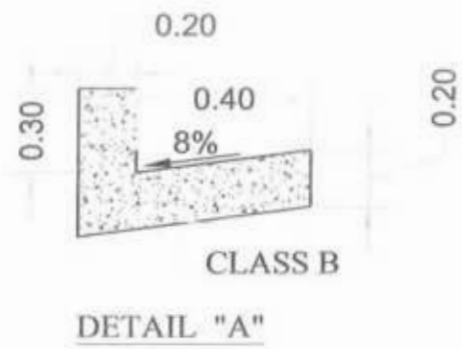
CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58R35-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	N.T.S	KM POST DETAILS
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AQEEL YOUNIS				
								DATE: AUG, 2024	DWG NO: CEC/RWIP/RRDP-NCHT-9/ KMP 09

TYPICAL CROSS SECTIONS

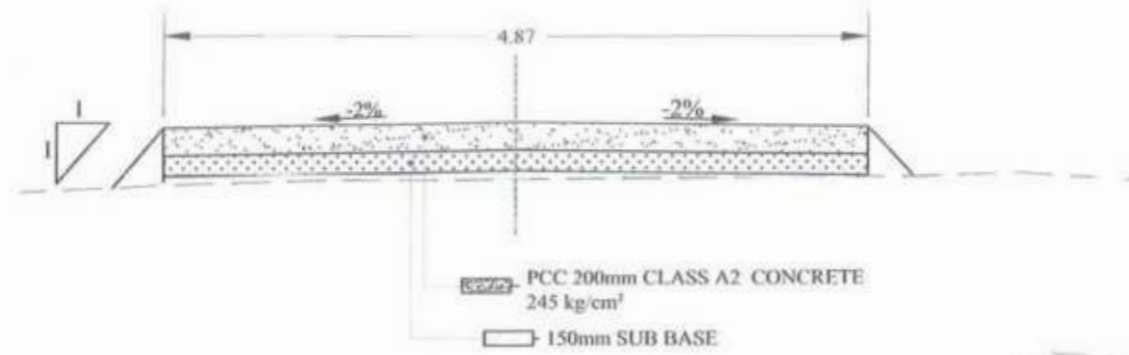


Project Director (FID)
Provincial Roads Improvement Project
C&W Department Pathwar.

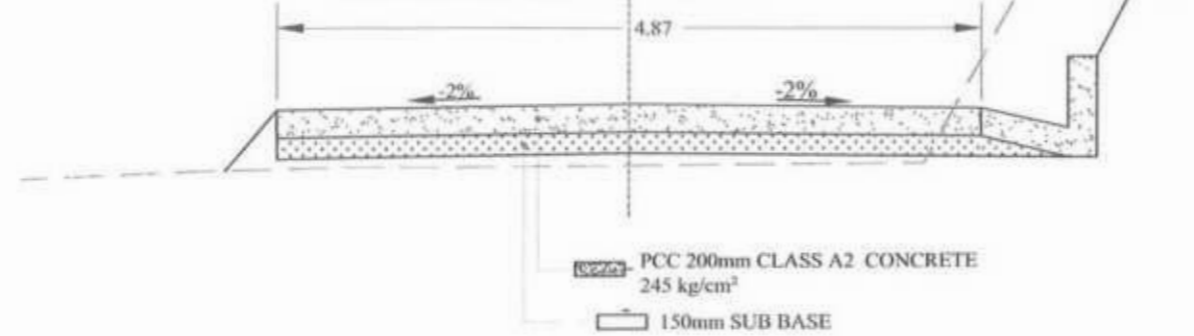




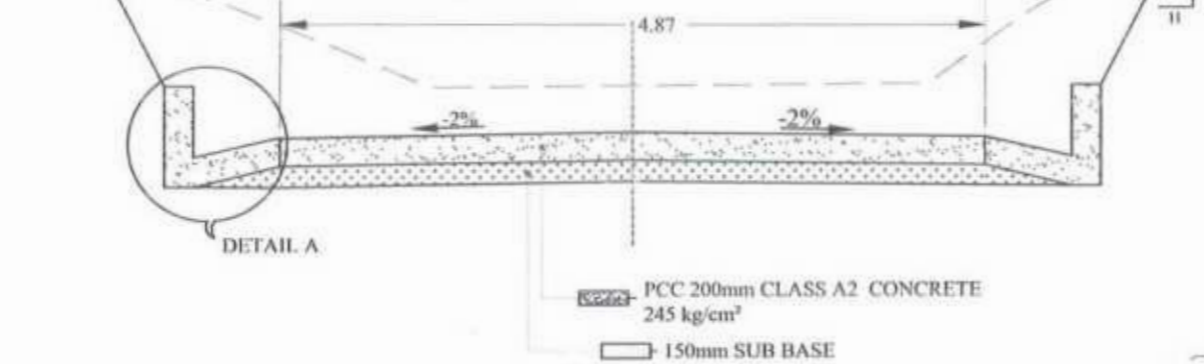
TYPICAL CROSS SECTION FOR OPEN AREA



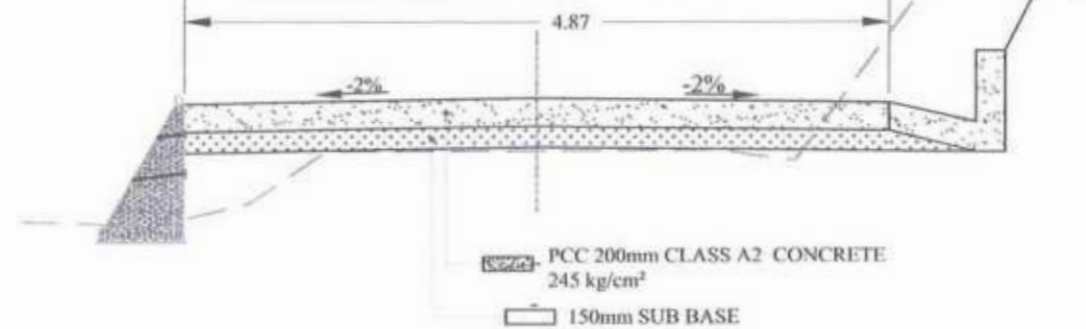
TYPICAL CROSS SECTION FOR ONE SIDE CUT



TYPICAL CROSS SECTION FOR CUT AREA



TYPICAL CROSS SECTION FOR PARTIALLY CUT



S.NO	DESCRIPTION	SIDE SLOPE DETAIL (V : H)
1	HARD & MEDIUM ROCK	1:0.25
2	COMMON & SOFT	1: 0.5

[Signature]
Project Director (PIU)
Provincial Road's Improvement Project
CBW Department Peshawar.

[Signature]



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINS CONSULTANT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	TYPICAL CROSS SECTIONS DWGNO: CEC/KP-RRDP/H/W/N-CHT-9/TCS-01
		a			DRAWN: BIAM ULLAH			
		b			CHECKED: S-DURRANI			
		c			APPROVED: AQEEL YOUNIS			
							NTS:	
							DATE:	
							AUG, 2024	

CENTER LINE DATA



Project Director (PIU)
Provincial Roads Improvement Project
CBW Department, Palawan.



CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES			
S.No	Station	Northing	Easting	S.No	Station	Northing	Easting	S.No	Station	Northing	Easting	S.No	Station	Northing	Easting	S.No	Station	Northing	Easting
1	0+000	3990380.93	231135.13	56	1+375	3991299.02	230756.82	111	2+750	3992462.84	231062.03	166	4+125	3993686.44	231268.45	221	5+500	3994728.18	231091.86
2	0+025	3990392.70	231113.08	57	1+400	3991318.04	230740.59	112	2+775	3992487.76	231060.00	167	4+150	3993701.67	231248.63	222	5+525	3994752.52	231093.58
3	0+050	3990404.94	231091.29	58	1+425	3991337.05	230724.36	113	2+800	3992511.88	231053.65	168	4+175	3993715.60	231256.34	223	5+550	3994775.52	231103.25
4	0+075	3990418.76	231070.46	59	1+450	3991358.64	230725.26	114	2+825	3992535.64	231045.88	169	4+200	3993736.46	231262.72	224	5+575	3994795.94	231116.60
5	0+100	3990437.64	231055.61	60	1+475	3991371.30	230746.81	115	2+850	3992560.41	231045.55	170	4+225	3993759.36	231261.25	225	5+600	3994806.57	231138.91
6	0+125	3990462.60	231054.25	61	1+500	3991383.95	230768.38	116	2+875	3992584.73	231051.36	171	4+250	3993780.55	231248.06	226	5+625	3994814.47	231162.62
7	0+150	3990486.99	231049.92	62	1+525	3991396.60	230789.94	117	2+900	3992609.57	231053.82	172	4+275	3993805.06	231250.45	227	5+650	3994812.89	231187.49
8	0+175	3990505.60	231033.49	63	1+550	3991409.25	230811.51	118	2+925	3992634.55	231054.77	173	4+300	3993811.45	231228.94	228	5+675	3994825.30	231199.83
9	0+200	3990522.69	231015.23	64	1+575	3991419.65	230834.22	119	2+950	3992654.83	231066.55	174	4+325	3993824.63	231208.55	229	5+700	3994847.79	231189.06
10	0+225	3990520.86	230992.90	65	1+600	3991430.76	230856.57	120	2+975	3992675.31	231080.25	175	4+350	3993844.98	231210.83	230	5+725	3994872.26	231185.15
11	0+250	3990533.99	230973.86	66	1+625	3991444.64	230877.36	121	3+000	3992698.29	231090.10	176	4+375	3993861.09	231229.95	231	5+750	3994893.10	231174.81
12	0+275	3990553.45	230958.20	67	1+650	3991454.97	230899.92	122	3+025	3992721.26	231099.96	177	4+400	3993878.26	231223.98	232	5+775	3994911.66	231158.36
13	0+300	3990571.80	230941.21	68	1+675	3991467.38	230920.80	123	3+050	3992744.24	231109.81	178	4+425	3993899.69	231213.63	233	5+800	3994932.70	231144.87
14	0+325	3990592.73	230927.76	69	1+700	3991485.17	230938.36	124	3+075	3992767.22	231119.67	179	4+450	3993921.30	231201.64	234	5+825	3994953.32	231130.76
15	0+350	3990614.43	230915.40	70	1+725	3991501.24	230957.51	125	3+100	3992789.89	231130.15	180	4+475	3993938.80	231184.46	235	5+850	3994973.19	231115.60
16	0+375	3990633.75	230899.57	71	1+750	3991517.09	230976.84	126	3+125	3992810.23	231144.67	181	4+500	3993957.77	231199.86	236	5+875	3994993.07	231100.43
17	0+400	3990654.92	230886.27	72	1+775	3991532.94	230996.17	127	3+150	3992831.54	231157.62	182	4+525	3993978.87	231204.13	237	5+900	3995012.36	231084.59
18	0+425	3990678.06	230877.16	73	1+800	3991548.79	231015.51	128	3+175	3992849.47	231174.45	183	4+550	3993999.69	231190.29	238	5+925	3995027.89	231065.05.00
19	0+450	3990702.47	230873.21	74	1+825	3991565.43	231034.06	129	3+200	3992865.99	231192.96	184	4+575	3994019.04	231199.34	239	5+950	3995047.30	231049.52
20	0+475	3990723.54	230885.61	75	1+850	3991588.29	231044.06	130	3+225	3992887.33	231205.98	185	4+600	3994022.28	231224.03	240	5+975	3995066.81	231033.93
21	0+500	3990740.60	230903.89	76	1+875	3991611.49	231053.37	131	3+250	3992908.71	231218.94	186	4+625	3994033.12	231245.75	241	6+000	3995090.51	231026.49
22	0+525	3990758.89	230920.92	77	1+900	3991634.70	231062.67	132	3+275	3992930.50	231231.20	187	4+650	3994050.41	231252.55	242	6+025	3995114.79	231020.55
23	0+550	3990778.99	230935.67	78	1+925	3991656.36	231074.83	133	3+300	3992952.54	231242.99	188	4+675	3994073.22	231242.32	243	6+050	3995139.05	231014.50
24	0+575	3990801.91	230945.39	79	1+950	3991675.19	231091.27	134	3+325	3992973.94	231255.81	189	4+700	3994093.90	231228.45	244	6+075	3995163.39	231015.06
25	0+600	3990826.71	230947.66	80	1+975	3991694.35	231107.28	135	3+350	3992992.47	231272.59	190	4+725	3994113.69	231213.36	245	6+100	3995186.54	231024.43
26	0+625	399085153.00	230942.23	81	2+000	3991718.63	231109.71	136	3+375	3993012.06	231288.04	191	4+750	3994138.23	231215.38	246	6+125	3995211.32	231023.43
27	0+650	3990872.78	230930.05	82	2+025	3991743.37	231106.13	137	3+400	3993033.31	231301.20	192	4+775	3994162.47	231221.23	247	6+150	3995234.96	231015.96
28	0+675	3990896.32	230922.18	83	2+050	3991767.95	231108.85	138	3+425	3993054.57	231314.36	193	4+800	3994179.22	231239.52	248	6+175	3995256.30	231002.94
29	0+700	3990920.46	230915.85	84	2+075	3991792.72	231111.95	139	3+450	3993076.57	231325.99	194	4+825	3994178.22	231263.80	249	6+200	3995278.15	230990.82
30	0+725	3990943.39	230905.93	85	2+100	3991817.62	231114.18	140	3+475	3993101.14	231324.46	195	4+850	3994188.53	231281.46	250	6+225	3995301.11	230980.93
31	0+750	3990966.74	230897.04	86	2+125	3991842.58	231114.83	141	3+500	3993125.10	231317.32	196	4+875	3994208.06	231294.07	251	6+250	3995325.07	230974.44
32	0+775	3990987.69	230883.51	87	2+150	3991867.36	231111.56	142	3+525	3993149.19	231310.83	197	4+900	3994223.68	231313.15	252	6+275	3995349.40	230971.75
33	0+800	3991007.12	230867.78	88	2+175	3991892.12	231108.10	143	3+550	3993172.86	231317.77	198	4+925	3994248.06	231318.05	253	6+300	3995364.75	230952.18
34	0+825	3991026.08	230851.53	89	2+200	3991916.95	231105.24	144	3+575	3993192.41	231326.93	199	4+950	3994272.53	231322.62	254	6+325	3995379.93	230932.42
35	0+850	3991036.53	230829.17	90	2+225	3991941.91	231103.88	145	3+600	3993203.65	231349.13	200	4+975	3994291.27	231338.52	255	6+350	3995395.99	230914.81
36	0+875	3991033.99	230804.55	91	2+250	3991966.89	231102.98	146	3+625	3993226.98	231351.19	201	5+000	3994316.16	231339.76	256	6+375	3995406.09	230891.96
37	0+900	3991027.34	230780.45	92	2+275	3991991.88	231102.09	147	3+650	3993247.20	231336.48	202	5+025	3994340.61	231344.55	257	6+400	3995418.58	230870.31
38	0+925	3991020.71	230756.35	93	2+300	3992016.83	231100.68	148	3+675	3993267.41	231321.76	203	5+050	3994365.07	231348.37	258	6+425	3995427.02	230847.29
39	0+950	3991022.51	230731.80	94	2+325	3992041.16	231095.11	149	3+700	3993287.62	231307.05	204	5+075	3994385.13	231333.94	259	6+450	3995442.83	230827.93
40	0+975	3991038.08	230712.74	95	2+350	3992064.93	231087.37	150	3+725	3993307.83	231292.33	205	5+100	3994403.92	231317.44	260	6+475	3995459.69	230809.51
41	1+000	3991061.72	230705.48	96	2+375	3992089.29	231081.83	151	3+750	3993328.04	231277.62	206	5+125	3994423.43	231301.82	261	6+500	3995474.36	230789.54
42	1+025	3991086.48	230701.98	97	2+400	3992113.92	231077.52	152	3+775	3993350.41	231267.38	207	5+150	3994443.74	231287.25	262	6+525	3995486.18	230767.51
43	1+050	3991111.31	230700.45	98	2+425	3992138.54	231073.20	153	3+800	3993375.09	231263.38	208	5+175	3994464.08	231272.71	263	6+550	3995498.00	230745.48
44	1+075	3991133.36	230711.43	99	2+450	3992163.17	231068.88	154	3+825	3993399.85	231260.16	209	5+200	3994484.42	231258.17	264	6+575	3995513.24	230725.91
45	1+100	3991148.38	230731.36	100	2+475	3992187.90	231065.35	155	3+850	3993424.36	231264.49	210	5+225	3994504.76	231243.63	265	6+600	3995535.30	230714.46
46	1+125	3991162.75	230751.82	101	2+500	3992212.89	231065.30	156	3+875	3993448.34	231271.53	211	5+250	3994525.10	231229.10	266	6+625	3995557.88	230704.96
47	1+150	3991178.60	230771.14	102	2+525	3992237.89	231065.53	157	3+900	3993472.73	231270.80	212	5+275	3994544.83	231213.81	267	6+650	3995576.50	230687.31
48	1+175	3991194.89	230790.10	103	2+550	3992262.89	231065.74	158	3+925	3993496.57	231263.34	213	5+300	3994560.60	231194.42	268	6+675	3995594.00	230669.50
49	1+200	3991211.04	230809.18	104	2+575	3992287.89	231065.50	159	3+950	3993520.88	231268.10	214	5+325	3994576.18	231174.87	269	6+700	3995610.72	230651.06
50	1+225	3991222.66	230831.28	105	2+600	3992312.89	231065.10	160	3+975	3993544.89	231275.07	215	5+350	3994593.40	231156.91	270	6+725	3995624.47	230631.55
51	1+250	3991236.46	230852.12	106	2+625	3992337.88	231064.70	161	4+000	3993569.65	231278.33	216	5+375	3994615.60	231145.47	271	6+750	39956	

CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES				CENTER LINE CO-ORDINATES			
S.No	Station	Northing	Easting	S.No	Station	Northing	Easting	S.No	Station	Northing	Easting	S.No	Station	Northing	Easting	S.No	Station	Northing	Easting
276	6+875	3995738.17	230621.02	331	8+250	3996566.04	229752.75	386	9+625	3996803.10	229204.32	441	11+000	3997573.04	228336.82	496	12+375	3997817.74	228882.26
277	6+900	3995760.00	230608.83	332	8+275	3996572.88	229728.88	387	9+650	3996821.81	229188.00	442	11+025	3997587.87	228348.45	497	12+400	3997839.19	228869.47
278	6+925	3995779.82	230593.71	333	8+300	3996577.66	229704.39	388	9+675	3996839.31	229170.28	443	11+050	3997607.59	228362.46	498	12+425	3997862.04	228876.44
279	6+950	3995798.53	230577.13	334	8+325	3996583.60	229680.37	389	9+700	3996861.41	229159.26	444	11+075	3997626.59	228375.36	499	12+450	3997883.87	228888.61
280	6+975	3995819.03	230562.85	335	8+350	3996592.90	229657.30	390	9+725	3996869.70	229136.46	445	11+100	3997629.42	228399.78	500	12+475	3997905.80	228900.54
281	7+000	399584032.00	230549.25	336	8+375	3996597.48	229659.26	391	9+750	3996887.12	229119.28	446	11+125	3997641.52	228403.44	501	12+500	3997924.17	22891778.00
282	7+025	3995861.45	230536.41	337	8+400	3996599.38	229679.17	392	9+775	3996899.57	229099.14	447	11+150	3997649.32	228380.88	502	12+525	3997909.26	228921.54
283	7+050	3995879.30	230520.04	338	8+425	3996541.52	229696.53	393	9+800	3996921.46	229087.05	448	11+175	3997646.37	228356.18	503	12+550	3997884.90	228924.91
284	7+075	3995885.87	230495.92	339	8+450	3996519.13	229702.17	394	9+825	3996943.24	229074.93	449	11+200	3997661.21	228336.84	504	12+575	3997861.23	228932.87
285	7+100	3995898.21	230475.31	340	8+475	3996531.45	229681.94	395	9+850	3996962.93	229061.01	450	11+225	3997681.16	228347.89	505	12+600	3997852.37	228950.50
286	7+125	3995918.49	230461.40	341	8+500	3996548.65	229664.42	396	9+875	3996969.40	229036.91	451	11+250	3997705.45	228342.66	506	12+625	3997877.05	228952.06
287	7+150	3995943.05	230460.12	342	8+525	3996558.20	229641.71	397	9+900	3996972.80	229012.15	452	11+275	3997728.17	228348.52	507	12+650	3997900.58	228959.74
288	7+175	3995967.28	230465.72	343	8+550	3996570.37	229620.18	398	9+925	3996970.17	228987.33	453	11+300	3997741.18	228369.71	508	12+675	3997922.90	228970.64
289	7+200	3995991.68	230462.57	344	8+575	3996575.74	229597.17	399	9+950	3996970.33	228962.42	454	11+325	3997757.49	228385.15	509	12+700	3997947.29	228975.94
290	7+225	3996012.09	230448.20	345	8+600	3996559.45	229607.81	400	9+975	3996971.73	228937.58	455	11+350	3997770.68	228370.20	510	12+725	3997970.09	228980.46
291	7+250	3996035.07	230438.79	346	8+625	3996547.20	229618.35	401	10+000	3996965.18	228913.57	456	11+375	3997786.21	228351.44	511	12+750	3997949.55	228991.52
292	7+275	3996057.09	230427.80	347	8+650	3996542.87	229594.04	402	10+025	3996965.23	228888.62	457	11+400	3997804.02	228334.02	512	12+775	3997927.07	229002.41
293	7+300	3996075.39	230410.77	348	8+675	3996550.22	229570.77	403	10+050	3996976.34	228866.61	458	11+425	3997818.52	228313.67	513	12+800	3997904.85	229013.74
294	7+325	3996091.76	230392.14	349	8+700	3996569.61	229555.00	404	10+075	3996993.82	228848.73	459	11+450	3997831.61	228292.55	514	12+825	3997884.72	229027.77
295	7+350	3996108.53	230374.61	350	8+725	3996585.37	229535.64	405	10+100	3997014.21	228835.25	460	11+475	3997835.99	228268.05	515	12+850	3997893.90	229033.94
296	7+375	3996120.72	230352.98	351	8+750	3996593.64	229512.80	406	10+125	3997037.08	228826.37	461	11+500	3997857.81	228258.97	516	12+875	3997917.79	229027.15
297	7+400	3996141.66	230339.62	352	8+775	3996591.37	229487.91	407	10+150	3997061.25	228827.33	462	11+525	3997873.78	228271.86	517	12+900	3997942.28	229028.79
298	7+425	3996153.77	230317.96	353	8+800	3996599.86	229465.25	408	10+175	3997084.30	228823.12	463	11+550	3997874.26	228296.85	518	12+925	3997966.03	229036.61
299	7+450	3996163.99	230295.14	354	8+825	3996618.81	229448.93	409	10+200	3997089.48	228843.84	464	11+575	3997874.77	228321.85	519	12+950	3997990.04	229042.87
300	7+475	3996175.96	230273.22	355	8+850	3996637.57	229432.41	410	10+225	3997110.77	228835.15	465	11+600	3997879.71	228346.25	520	12+975	3998008.60	229053.37
301	7+500	3996190.19	230252.77	356	8+875	3996656.77	229416.51	411	10+250	3997125.80	228815.71	466	11+625	3997883.86	228370.66	521	13+000	3998030.71	229063.30
302	7+525	3996207.65	230234.90	357	8+900	3996654.55	229405.35	412	10+275	3997139.64	228795.21	467	11+650	3997884.09	228395.66	522	13+025	3998051.04	229049.02
303	7+550	3996218.90	230212.64	358	8+925	3996641.87	229396.45	413	10+300	3997150.61	228772.99	468	11+675	3997889.79	228417.55	523	13+050	3998066.47	229029.79
304	7+575	3996228.57	230189.61	359	8+950	3996666.20	229390.80	414	10+325	3997163.70	228752.59	469	11+700	3997908.51	228401.72	524	13+075	3998082.63	229015.14
305	7+600	3996232.46	230164.94	360	8+975	3996691.20	229390.65	415	10+350	3997184.21	228743.53	470	11+725	3997926.19	228405.18	525	13+100	3998095.42	229036.46
306	7+625	3996236.50	230140.30	361	9+000	3996715.16	229384.59	416	10+375	3997208.46	228737.94	471	11+750	3997918.94	228428.92	526	13+125	3998108.03	229058.04
307	7+650	399624933.00	230118.90	362	9+025	3996728.62	229370.13	417	10+400	3997228.75	228746.98	472	11+775	3997925.27	22845145.00	527	13+150	3998118.25	229080.72
308	7+675	3996269.37	230104.64	363	9+050	3996704.32	229373.69	418	10+425	3997252.06	228740.16	473	11+800	3997932.03	228475.07	528	13+175	3998124.66	229104.77
309	7+700	3996291.29	230092.62	364	9+075	3996680.06	229369.24	419	10+450	3997272.73	228726.23	474	11+825	3997931.55	228499.95	529	13+200	3998139.46	229124.78
310	7+725	3996314.03	230082.28	365	9+100	3996657.65	229358.17	420	10+475	3997295.33	228717.60	475	11+850	3997930.70	228524.63	530	13+225	3998159.73	229132.99
311	7+750	3996333.96	230067.22	366	9+125	3996634.73	229348.28	421	10+500	3997312.57	228700.97	476	11+875	3997952.32	228517.78	531	13+250	3998182.30	229124.79
312	7+775	3996352.07	230050.11	367	9+150	3996651.69	229342.18	422	10+525	3997320.74	228677.43	477	11+900	3997976.56	228513.17	532	13+275	3998193.13	229146.86
313	7+800	3996372.54	230035.87	368	9+175	3996675.84	229348.64	423	10+550	3997326.74	228653.24	478	11+925	3997977.84	228536.69	533	13+300	3998195.05	229171.09
314	7+825	3996393.43	230022.32	369	9+200	3996700.32	229350.49	424	10+575	3997330.92	228629.64	479	11+950	3997985.16	228560.24	534	13+325	3998211.28	229169.35
315	7+850	3996418.03	230018.57	370	9+225	3996723.74	229341.77	425	10+600	3997320.64	228606.86	480	11+975	3997978.59	228584.34	535	13+350	3998223.64	229147.83
316	7+875	3996442.97	230017.01	371	9+250	3996746.50	229331.83	426	10+625	3997322.54	228582.78	481	12+000	3997973.40	228608.65	536	13+375	3998220.69	229123.17
317	7+900	3996466.97	230016.21	372	9+275	3996759.86	229313.55	427	10+650	3997345.56	228573.11	482	12+025	3997976.92	228632.55	537	13+400	3998215.99	229098.62
318	7+925	3996490.27	230008.50	373	9+300	3996738.81	229324.41	428	10+675	3997364.30	228557.12	483	12+050	3997961.21	228651.68	538	13+425	3998211.28	229074.06
319	7+950	3996513.40	230004.54	374	9+325	3996713.85	229325.95	429	10+700	3997383.44	228541.26	484	12+075	3997946.42	228671.36	539	13+450	3998224.04	229076.40
320	7+975	3996532.90	229989.92	375	9+350	3996692.18	229319.97	430	10+725	3997402.31	228526.07	485	12+100	3997940.41	228694.94	540	13+475	3998238.18	229096.88
321	8+000	3996553.94	229977.65	376	9+375	3996714.70	229316.60	431	10+750	3997419.02	228507.64	486	12+125	3997937.36	228719.60	541	13+500	3998254.03	229116.21
322	8+025	3996566.39	229959.36	377	9+400	3996737.40	229306.42	432	10+775	3997435.10	228488.51	487	12+150	3997928.02	228740.62	542	13+525	3998270.54	229134.99
323	8+050	3996544.84	229948.37	378	9+425	3996754.22	229288.60	433	10+800	3997443.18	228465.39	488	12+175	3997911.17	228758.96	543	13+550	3998288.76	229152.03
324	8+075	3996549.54	229924.51	379	9+450	3996754.07	229264.13	434	10+825	3997449.79	228441.92	489	12+200	3997906.36	228782.57	544	13+575	3998308.64	229167.17
325	8+100	3996553.32	229899.80	380	9+475	3996774.87	229250.95	435	10+850	3997472.12	228433.79	490	12+225	3997892.15	228801.73	545	13+600	399	

CENTER LINE CO-ORDINATES			
S.No	Station	Northing	Easting
551	13+750	3998271.07	229275.02
552	13+775	3998289.41	229258.07
553	13+800	3998310.54	229244.74
554	13+825	3998330.78	229230.07
555	13+850	3998351.01	229215.38
556	13+875	3998363.39	229194.33
557	13+900	3998367.73	229169.71
558	13+925	3998370.25	229144.91
559	13+950	3998363.65	229121.06
560	13+975	3998349.43	229100.50
561	14+000	3998336.93	229078.98
562	14+025	3998334.86	229054.23
563	14+050	3998333.69	229029.34
564	14+075	3998328.59	229004.87
565	14+100	3998328.81	228979.93
566	14+125	3998336.19	228956.67
567	14+150	3998349.75	228935.66
568	14+175	3998360.39	228913.06
569	14+200	3998376.86	228894.55
570	14+225	3998394.05	228876.58
571	14+250	3998401.78	228852.94
572	14+275	3998404.62	228828.23
573	14+300	3998397.36	228804.50
574	14+325	3998385.73	228782.37
575	14+350	3998378.98	228758.76
576	14+375	3998387.37	228735.34
577	14+400	3998404.54	228732.22
578	14+425	3998405.21	228757.19
579	14+450	3998420.35	228754.86
580	14+475	3998425.85	228730.47
581	14+500	3998431.83	228706.20
582	14+525	3998439.98	228682.92
583	14+550	3998454.44	228663.55
584	14+575	3998464.25	228640.56
585	14+600	3998470.14	228616.31
586	14+625	3998473.91	228591.60
587	14+650	3998469.37	228567.16
588	14+675	3998467.08	228542.30
589	14+700	3998474.28	228518.48
590	14+725	3998481.69	228494.68
591	14+750	3998482.37	228469.71
592	14+775	3998486.60	228445.20
593	14+800	3998491.50	228420.77
594	14+825	3998491.40	228395.77
595	14+850	3998492.03	228370.81
596	14+875	3998500.45	228347.34
597	14+900	3998507.65	228323.67
598	14+925	3998517.52	228300.82
599	14+950	3998530.69	228280.45
600	14+975	3998540.48	228258.81
601	15+000	3998539.25	228233.84
602	15+025	3998538.81	228208.86
603	15+050	3998536.95	228184.13
604	15+075	3998533.85	228160.45
605	15+100	3998544.96	228138.30

CENTER LINE CO-ORDINATES			
S.No	Station	Northing	Easting
606	15+125	3998556.65	228117.36
607	15+150	3998573.08	228098.65
608	15+175	3998586.44	228077.59
609	15+200	3998608.73	228066.63
610	15+225	3998631.80	22805742.00
611	15+250	3998656.47	228056.11
612	15+275	3998681.33	228056.51
613	15+300	3998705.75	228051.15
614	15+325	3998730.17	228045.79
615	15+350	3998733.54	228024.71
616	15+375	3998741.31	228002.91
617	15+400	3998758.15	227984.49
618	15+425	3998779.30	227971.78
619	15+450	3998792.58	227950.67
620	15+475	3998790.44	227926.14
621	15+500	3998781.89	227902.75
622	15+525	3998770.99	227880.24
623	15+550	3998772.14	227856.25
624	15+575	3998790.33	227839.29
625	15+600	3998803.03	227818.63
626	15+625	3998809.73	227794.55
627	15+650	3998815.15	227770.21
628	15+675	3998820.04	227746.24
629	15+700	3998812.94	227722.29
630	15+725	3998803.33	227699.57
631	15+750	3998813.24	227677.31
632	15+775	3998821.35	227654.20
633	15+800	3998823.88	227629.58
634	15+825	3998829.30	227605.20
635	15+850	3998829.04	227582.36
636	15+875	3998809.40	227567.23
637	15+900	3998786.04	227558.50
638	15+925	3998765.03	227545.93
639	15+950	3998740.06	227546.92
640	15+975	3998715.06	227546.78
641	16+000	3998690.10	227548.04
642	16+025	3998665.12	227547.30
643	16+050	3998640.28	227548.16
644	16+075	3998617.37	227558.15
645	16+100	3998598.04	227573.87
646	16+125	3998574.91	227567.91
647	16+150	3998552.73	227556.40
648	16+175	3998530.19	227545.59
649	16+200	3998507.85	227534.41
650	16+225	3998493.24	227515.02
651	16+250	3998492.15	227490.09
652	16+275	3998491.56	227465.14
653	16+300	3998490.14	227440.31
654	16+325	3998481.93	22741709.00
655	16+350	3998474.43	227393.31
656	16+375	3998473.44	227368.46
657	16+400	3998476.25	227343.75
658	16+425	3998483.67	227320.15
659	16+450	3998494.49	227297.68
660	16+475	3998513.30	227281.41

CENTER LINE CO-ORDINATES			
S.No	Station	Northing	Easting
661	16+500	3998532.91	227265.91
662	16+525	3998544.29	227243.95
663	16+550	3998543.85	227219.03
664	16+575	3998543.27	227194.14
665	16+600	3998554.50	227171.85
666	16+625	3998550.21	227149.09
667	16+650	3998532.80	227131.25
668	16+675	3998510.75	227119.90
669	16+700	3998508.13	227097.32
670	16+725	3998519.69	227075.49
671	16+750	3998501.52	227059.71
672	16+775	3998485.37	227041.27
673	16+800	3998481.05	227016.77
674	16+825	3998476.66	226992.28
675	16+850	3998475.47	226967.35
676	16+875	3998482.74	226943.46
677	16+900	3998477.70	226919.34
678	16+925	3998479.42	226894.40
679	16+950	3998477.29	226869.58
680	16+975	3998472.18	226845.11
681	17+000	3998470.56	226820.19
682	17+025	3998468.78	226795.32
683	17+050	3998465.48	226770.59
684	17+075	3998459.95	226746.25
685	17+100	3998464.19	226722.13
686	17+109.37	3998467.66	226713.43

Project Director
Provincial Roads Development Project
C&W Department Peshawar

[Handwritten signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 98635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		a	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	TANZEEL			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)		N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S
		b			DRAWN	IMRIAN TARIO						DATE:
		c			CHECKED	SHAHZAD DURRANI						AUG. 2024.
			APPROVED	AQEEL YOUNIS	DWG NO. CEC/RW&P/RRD/N-CHT-9/ CL-03							

HORIZONTAL CURVE DATA



Project Director (P/D)
Provincial Roads Improvement Project
C&W Department Palembang.

[Handwritten signature]






Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C1	0+045.16	231095.2962	3990402.2027	0+035.49	231103.8257	3990397.6471	0+054.82	231087.2500	3990407.5662	198.42	19.32	9.670	5.5802	N59° 06' 11.23"W
C2	0+092.35	231056.0188	3990428.3846	0+081.35	231065.1758	3990422.2806	0+101.74	231055.4513	3990439.3749	21.90	20.40	11.005	53.3573	N29° 38' 03.74"W
C3	0+149.81	231052.9730	3990487.3735	0+134.76	231053.7487	3990472.3507	0+163.36	231041.9888	3990497.6513	37.28	28.60	15.043	43.9470	N24° 55' 45.24"W
C4	0+209.91	231007.9981	3990529.4562	0+201.96	231013.8043	3990524.0234	0+215.51	231001.2651	3990525.2263	10.32	13.55	7.952	75.2355	N84° 31' 13.71"W
C5	0+232.92	230986.5243	3990515.9657	0+220.56	230996.9888	3990522.5398	0+240.33	230979.4186	3990526.0767	13.01	19.77	12.358	87.0394	N78° 37' 06.60"W
C6	0+262.92	230966.4266	3990544.5632	0+250.70	230973.4530	3990534.5653	0+275.11	230958.1240	3990553.5294	181.57	24.40	12.220	7.7007	N38° 56' 56.95"W
C7	0+307.97	230935.7968	3990577.6410	0+302.69	230939.3812	3990573.7701	0+313.18	230933.3163	3990582.2970	40.75	10.49	5.276	14.7530	N35° 25' 22.85"W
C8	0+349.32	230916.3277	3990614.1853	0+339.37	230921.0052	3990605.4055	0+359.16	230909.6535	3990621.5623	80.50	19.80	9.948	14.0902	N35° 05' 29.88"W
C9	0+371.06	230901.6712	3990630.3852	0+365.92	230905.1179	3990626.5755	0+376.17	230898.9398	3990634.7363	58.61	10.25	5.137	10.0185	N37° 07' 39.10"W
C10	0+407.68	230882.1859	3990661.4253	0+402.16	230885.1222	3990656.7478	0+413.14	230880.5886	3990666.7121	41.10	10.98	5.523	15.3074	N24° 27' 52.50"W
C11	0+455.67	230868.2891	3990707.4223	0+435.22	230874.2035	3990687.8461	0+471.79	230883.2631	3990721.3502	32.80	36.57	20.450	63.8839	N15° 07' 51.91"E
C12	0+503.33	230906.3565	3990742.8301	0+495.95	230900.9534	3990737.8045	0+510.70	230911.3124	3990748.2970	173.19	14.75	7.379	4.8793	N44° 38' 00.17"E
C13	0+536.89	230928.9057	3990767.7039	0+529.68	230924.0626	3990762.3615	0+544.06	230932.6119	3990773.8895	73.11	14.38	7.211	11.2654	N36° 33' 39.75"E
C14	0+601.57	230962.1724	3990823.2261	0+551.40	230936.3850	3990780.1869	0+641.12	230934.8592	3990865.3136	80.43	89.72	50.173	63.9104	N1° 01' 36.71"W
C15	0+658.95	230925.1514	3990880.2725	0+648.26	230930.9719	3990871.3035	0+669.37	230923.2050	3990890.7858	53.77	21.11	10.692	22.4931	N21° 44' 07.88"W
C16	0+693.72	230918.7714	3990914.7329	0+680.83	230921.1186	3990902.0549	0+706.48	230913.2951	3990926.4055	100.34	25.65	12.893	14.6449	N17° 48' 41.15"W
C17	0+720.98	230907.1370	3990939.5315	0+712.02	230910.9386	3990931.4284	0+729.91	230904.2942	3990948.0187	154.87	17.88	8.951	6.6153	N21° 49' 34.53"W
C18	0+755.07	230896.3015	3990971.8804	0+735.95	230902.3747	3990953.7491	0+773.78	230884.2730	3990986.7446	105.94	37.84	19.121	20.4622	N28° 44' 58.99"W
C19	0+846.62	230838.4582	3991043.3599	0+817.00	230857.0904	3991020.3353	0+869.44	230809.9080	3991035.4746	45.21	52.44	29.619	66.4588	N72° 12' 36.88"W
C20	0+970.00	230712.9732	3991008.7021	0+923.51	230757.7887	3991021.0797	0+992.95	230706.4689	3991054.7383	40.85	69.44	46.493	97.3978	N56° 44' 26.71"W
C21	1+062.96	230696.6740	3991124.0653	1+037.11	230700.2911	3991098.4638	1+083.50	230717.8474	3991138.9047	42.18	46.39	25.856	63.0173	N23° 28' 00.46"E
C22	1+130.43	230756.2788	3991165.8392	1+121.95	230749.3359	3991160.9732	1+138.89	230762.7103	3991171.3634	172.25	16.94	8.478	5.6356	N52° 09' 27.47"E
C23	1+202.44	230810.9192	3991212.7712	1+195.73	230805.8264	3991208.3969	1+209.08	230816.9683	3991215.6830	51.15	13.35	6.713	14.9559	N56° 49' 04.10"E
C24	1+225.39	230831.6659	3991222.7579	1+222.28	230828.8645	3991221.4094	1+228.49	230834.2494	3991224.4876	43.91	6.21	3.109	8.1007	N60° 14' 43.62"E
C25	1+261.87	230861.9864	3991243.0594	1+251.31	230853.2085	3991237.1820	1+264.98	230853.0664	3991248.7187	6.89	13.68	10.564	113.8023	N0° 42' 21.71"W
C26	1+311.12	230814.1099	3991273.4344	1+304.44	230819.7464	3991269.8583	1+317.72	230807.7542	3991275.4750	52.14	13.28	6.675	14.5926	N64° 54' 12.55"W
C27	1+362.34	230765.2671	3991289.1163	1+355.24	230772.0298	3991286.9450	1+369.08	230760.6562	3991294.5189	25.00	13.84	7.103	31.7207	N56° 20' 21.95"W
C28	1+443.47	230712.3688	3991351.0981	1+427.81	230722.5302	3991339.1917	1+450.72	230725.8706	3991359.0174	13.11	22.91	15.653	100.0860	N9° 33' 50.14"E
C29	1+554.82	230815.6613	3991411.6827	1+551.63	230812.9124	3991410.0704	1+558.00	230818.5900	3991412.9396	50.90	6.37	3.187	7.1659	N63° 11' 23.56"E
C30	1+592.59	230850.3828	3991426.5838	1+582.34	230840.9578	3991422.5390	1+602.79	230858.9068	3991432.2874	110.98	20.45	10.256	10.5598	N61° 29' 34.45"E
C31	1+639.39	230889.3216	3991452.6384	1+629.02	230880.7023	3991446.8710	1+649.52	230899.4494	3991454.8707	55.00	20.50	10.371	21.3568	N66° 53' 28.89"E
C32	1+661.55	230911.1991	3991457.4605	1+655.35	230905.1461	3991456.1264	1+667.39	230915.5106	3991461.9137	20.60	12.04	6.198	33.4959	N60° 49' 18.51"E
C33	1+700.42	230938.4862	3991485.6443	1+691.41	230932.2142	3991479.1662	1+709.42	230945.4591	3991491.3611	156.87	18.01	9.017	6.5796	N47° 21' 49.17"E
C34	1+824.50	231034.4499	3991564.3200	1+816.91	231028.5868	3991559.5131	1+831.76	231037.2718	3991571.3570	29.53	14.84	7.582	28.8026	N36° 15' 07.68"E
C35	1+915.43	231068.4161	3991649.0237	1+905.98	231064.8987	3991640.2519	1+924.71	231074.6328	3991656.1419	55.64	18.72	9.451	19.2812	N31° 29' 29.07"E
C36	1+982.24	231112.4747	3991699.4721	1+969.52	231104.1083	3991689.8922	1+993.36	231110.6559	3991712.0603	27.68	23.85	12.719	49.3533	N16° 27' 19.19"E
C37	2+034.46	231104.7794	3991752.7336	2+026.84	231105.8683	3991745.1970	2+041.86	231106.7460	3991760.0901	37.12	15.02	7.615	23.1880	N3° 22' 21.57"E
C38	2+055.12	231110.1683	3991772.8925	2+049.73	231108.7771	3991767.6883	2+060.48	231110.6493	3991778.2579	62.55	10.75	5.387	9.8448	N10° 02' 39.51"E
C39	2+119.02	231115.8756	3991836.5670	2+106.29	231114.7389	3991823.8849	2+131.64	231114.1102	3991849.1770	110.97	25.36	12.733	13.0917	N1° 25' 26.31"W
C40	2+198.59	231104.8276	3991915.4798	2+177.72	231107.7209	3991894.8137	2+219.42	231104.0801	3991936.3340	403.78	41.70	20.868	5.9170	N5° 00' 40.82"W


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.





 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 98835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO: CEC/RWP/RRDN/CHT-9/ HCD-01
		b			DRAWN	IMRAN TARIO			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG. 2024	
			APPROVED	AQEEL YOUNIS						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C41	2+306.71	231100.9531	3992023.5698	2+288.55	231101.6038	3992005.4161	2+324.63	231095.2247	3992040.8082	126.61	36.08	18.165	16.3292	N10° 13' 02.91"W
C42	2+357.47	231084.8688	3992071.9715	2+342.10	231089.7159	3992057.3854	2+372.79	231082.2152	3992087.1111	208.30	30.69	15.370	8.4405	N14° 09' 42.56"W
C43	2+472.20	231065.0516	3992185.0351	2+461.20	231066.9508	3992174.1994	2+483.14	231065.1502	3992196.0355	120.24	21.94	11.001	10.4550	N4° 42' 50.55"W
C44	2+556.08	231065.8038	3992268.9675	2+545.41	231065.7082	3992258.3000	2+566.74	231065.6327	3992279.6339	853.33	21.33	10.668	1.4325	N0° 12' 09.98"W
C45	2+739.60	231062.8603	3992452.4653	2+731.87	231062.9842	3992444.7418	2+747.32	231062.2465	3992460.1653	243.22	15.44	7.724	3.6381	N2° 44' 16.95"W
C46	2+781.56	231059.5259	3992494.2999	2+772.18	231060.2711	3992484.9503	2+790.85	231056.5522	3992503.1953	76.79	18.67	9.379	13.9275	N11° 31' 14.98"W
C47	2+836.35	231042.1259	3992546.3496	2+820.76	231047.0668	3992531.5696	2+851.11	231045.8030	3992561.4936	54.11	30.35	15.584	32.1326	N2° 25' 05.88"W
C48	2+882.25	231053.1510	3992591.7555	2+870.55	231050.3901	3992580.3852	2+893.87	231053.5929	3992603.4479	116.37	23.32	11.701	11.4836	N7° 54' 22.18"E
C49	2+935.42	231055.1620	3992644.9686	2+931.08	231054.9980	3992640.6288	2+939.28	231058.4452	3992647.8112	10.00	8.19	4.343	46.9488	N25° 38' 19.52"E
C50	2+960.33	231074.3634	3992661.5936	2+952.74	231068.6264	3992656.6263	2+967.66	231077.3547	3992668.5677	33.00	14.92	7.589	25.8977	N36° 09' 51.54"E
C51	3+098.66	231128.9950	3992788.9637	3+089.47	231125.3718	3992780.5166	3+107.77	231134.4474	3992796.3632	79.62	18.30	9.191	13.1699	N29° 48' 01.41"E
C52	3+135.97	231151.1718	3992819.0597	3+132.29	231148.9878	3992816.0959	3+139.63	231152.8610	3992822.3308	46.40	7.35	3.682	9.0729	N31° 50' 55.86"E
C53	3+159.78	231162.1064	3992840.2340	3+153.85	231159.3837	3992834.9615	3+165.51	231166.8580	3992843.7886	25.82	11.67	5.934	25.8881	N40° 15' 23.22"E
C54	3+194.35	231189.9464	3992861.0606	3+189.09	231185.7350	3992857.9101	3+199.48	231192.6869	3992865.5496	27.32	10.39	5.259	21.7971	N42° 18' 07.09"E
C55	3+257.95	231223.1516	3992915.4522	3+240.12	231213.8627	3992900.2365	3+275.76	231231.5581	3992931.1726	624.93	35.64	17.827	3.2680	N29° 46' 09.88"E
C56	3+320.20	231252.5101	3992970.3541	3+313.31	231249.2627	3992964.2812	3+327.01	231257.1401	3992975.4519	55.64	13.70	6.887	14.1109	N35° 11' 27.15"E
C57	3+365.51	231283.0224	3993003.9498	3+357.78	231277.8284	3992998.2309	3+373.19	231287.0885	3993010.5186	84.17	15.41	7.725	10.4887	N37° 00' 07.11"E
C58	3+455.75	231330.5387	3993080.7126	3+438.59	231321.5074	3993066.1223	3+470.85	231325.6430	3993097.1586	38.24	32.26	17.159	48.3352	N7° 35' 23.96"E
C59	3+527.38	231309.5116	3993151.3475	3+519.88	231311.6539	3993144.1510	3+534.24	231312.6347	3993158.1758	20.00	14.37	7.509	41.1555	N4° 00' 00.52"E
C60	3+547.79	231318.2676	3993170.4919	3+544.57	231316.9317	3993167.5710	3+550.79	231317.6529	3993173.6443	10.00	6.22	3.212	35.6126	N6° 46' 17.85"E
C61	3+564.31	231315.0645	3993186.9172	3+556.47	231316.5655	3993179.2205	3+569.77	231322.1813	3993190.2102	10.00	13.30	7.842	76.2049	N27° 04' 04.06"E
C62	3+600.46	231350.0332	3993203.0971	3+595.77	231345.7817	3993201.1299	3+604.54	231351.2432	3993207.6227	10.00	8.76	4.685	50.2021	N40° 04' 09.11"E
C63	3+619.14	231355.0149	3993221.7303	3+614.37	231353.7823	3993217.1200	3+623.27	231352.2061	3993225.5884	10.00	8.91	4.772	51.0229	N10° 32' 35.86"W
C64	3+764.47	231269.1006	3993339.7439	3+756.94	231273.5370	3993333.6499	3+771.74	231267.8971	3993347.1849	31.56	14.80	7.538	26.8669	N22° 37' 16.64"W
C65	3+829.73	231258.6366	3993404.4373	3+814.98	231260.9918	3993389.8766	3+843.99	231262.7930	3993418.5896	65.04	29.01	14.750	25.5549	N3° 35' 22.50"E
C66	3+887.31	231275.0009	3993460.1569	3+878.07	231272.3970	3993451.2905	3+895.98	231272.0709	3993468.9210	29.44	17.91	9.241	34.8532	N1° 03' 34.41"W
C67	3+928.42	231261.7845	3993499.6885	3+919.87	231264.4975	3993491.5736	3+936.44	231264.2268	3993507.8889	27.08	16.58	8.556	35.0713	N0° 57' 01.72"W
C68	3+979.33	231276.4690	3993548.9934	3+969.15	231273.5628	3993539.2354	3+989.44	231277.3828	3993559.1339	101.68	20.30	10.182	11.4363	N10° 52' 01.34"E
C69	4+102.54	231287.5329	3993671.7774	4+093.15	231286.6896	3993662.4194	4+110.33	231280.0823	3993677.5022	17.09	17.18	9.396	57.6113	N23° 39' 24.38"W
C70	4+164.97	231236.7580	3993710.7912	4+153.97	231245.4797	3993704.0898	4+165.84	231247.4400	3993713.4125	5.28	11.87	10.999	128.6751	N11° 52' 30.29"E
C71	4+182.61	231263.7303	3993717.4100	4+177.40	231258.6712	3993716.1685	4+185.81	231262.8974	3993722.5522	5.64	8.41	5.209	85.4132	N33° 30' 21.61"E
C72	4+196.07	231261.2579	3993732.6740	4+193.35	231261.6917	3993729.9955	4+198.65	231262.2375	3993735.2045	10.00	5.30	2.713	30.3630	N5° 58' 51.20"E
C73	4+213.94	231267.7560	3993749.4599	4+208.79	231265.8980	3993744.6602	4+218.30	231264.9300	3993753.7613	10.00	9.51	5.147	54.4672	N6° 04' 16.38"W
C74	4+253.38	231245.6682	3993783.0792	4+245.16	231250.1778	3993776.2152	4+260.67	231247.5855	3993791.0651	18.98	15.50	8.213	46.8054	N9° 54' 07.55"W
C75	4+282.20	231252.6129	3993812.0048	4+272.28	231250.2966	3993802.3572	4+286.24	231242.6944	3993811.7524	7.62	13.96	9.922	104.9579	N38° 58' 42.05"W
C76	4+306.86	231222.0739	3993811.2278	4+298.61	231230.3229	3993811.4377	4+314.21	231216.2128	3993817.0361	19.35	15.60	8.252	46.1977	N68° 21' 30.57"W
C77	4+339.15	231198.4982	3993834.5909	4+328.21	231206.2688	3993826.8904	4+344.82	231206.8638	3993841.6404	10.00	16.60	10.940	95.1395	N2° 18' 36.39"E
C78	4+387.79	231239.7269	3993869.3334	4+378.86	231232.8967	3993863.5778	4+390.83	231231.9576	3993873.7399	6.22	11.97	8.932	110.3194	N5° 16' 47.28"W
C79	4+407.79	231217.2069	3993882.1061	4+401.87	231222.3534	3993879.1871	4+412.97	231216.0417	3993887.9070	12.96	11.10	5.917	49.0824	N35° 53' 53.74"W
C80	4+439.53	231210.8115	3993913.9469	4+422.86	231214.0940	3993897.6039	4+454.92	231198.0306	3993924.6482	47.46	32.06	16.669	38.7037	N30° 42' 32.10"W

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S DATE: AUG. 2024	HORIZONTAL CURVE DATA DWG NO: CEGHWRP-RRDN-CHT-9/ HCD-02
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
		c			APPROVED	AQEEL YOUNIS				

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C81	4+476.97	231181.1244	3993938.8037	4+469.37	231186.9553	3993933.9215	4+480.95	231186.4687	3993944.2141	7.00	11.58	7.605	94.7080	N2° 42' 24.43"W
C82	4+515.58	231210.8095	3993968.8565	4+507.44	231205.0832	3993963.0593	4+521.11	231206.2881	3993975.6355	10.00	13.67	8.148	78.3495	N5° 28' 20.96"E
C83	4+570.90	231178.6618	3994017.0559	4+549.08	231190.7666	3993998.9070	4+576.05	231200.3730	3994019.1846	13.08	26.96	21.815	118.1024	N25° 20' 56.33"E
C84	4+599.14	231223.3547	3994021.4379	4+596.04	231220.2745	3994021.1359	4+602.05	231225.7258	3994023.4270	10.00	6.00	3.095	34.3940	N67° 12' 11.58"E
C85	4+614.65	231235.3842	3994031.5296	4+611.86	231233.2409	3994029.7316	4+617.31	231238.1494	3994031.9545	10.00	5.46	2.798	31.2596	N65° 38' 09.76"E
C86	4+638.78	231259.3637	3994035.2136	4+629.71	231250.4028	3994033.8369	4+642.41	231255.6534	3994043.4857	6.90	12.70	9.066	105.4239	N28° 33' 14.06"E
C87	4+684.85	231238.2876	3994082.2020	4+675.03	231242.3062	3994073.2426	4+694.54	231231.9667	3994089.7164	70.26	19.51	9.819	15.9118	N32° 06' 50.22"W
C88	4+727.76	231210.5794	3994115.1418	4+718.05	231216.8318	3994107.7089	4+736.13	231212.5551	3994124.6516	20.00	18.08	9.713	51.8067	N14° 09' 59.41"W
C89	4+776.12	231220.6894	3994163.8039	4+769.30	231219.3026	3994157.1286	4+782.45	231225.8648	3994168.2422	20.00	13.14	6.818	37.6474	N30° 33' 37.98"E
C90	4+805.64	231243.4692	3994183.3394	4+795.28	231235.6097	3994176.5992	4+814.39	231253.5100	3994180.8127	20.00	19.11	10.354	54.7405	N76° 45' 16.20"E
C91	4+840.95	231279.2691	3994174.3306	4+829.97	231268.6167	3994177.0112	4+846.61	231280.9406	3994185.1872	10.00	16.65	10.985	95.3723	N56° 26' 18.94"E
C92	4+863.03	231283.4378	3994201.4069	4+858.45	231282.7412	3994196.8829	4+867.03	231287.3171	3994203.8364	10.00	8.59	4.577	49.1904	N33° 20' 51.48"E
C93	4+898.78	231314.2201	3994220.6846	4+887.76	231304.8793	3994214.8348	4+908.38	231315.7468	3994231.5996	23.65	20.63	11.021	49.9806	N32° 57' 09.17"E
C94	4+952.07	231321.7987	3994274.8680	4+943.21	231320.5715	3994266.0945	4+959.89	231329.1207	3994279.8546	20.00	16.68	8.859	47.7811	N31° 51' 10.08"E
C95	4+972.31	231339.3810	3994286.8424	4+961.89	231330.7736	3994280.9803	4+981.09	231339.5139	3994297.2556	20.00	19.20	10.414	55.0122	N28° 14' 14.04"E
C96	5+005.23	231339.8219	3994321.3859	5+002.93	231339.7926	3994319.0910	5+007.50	231340.3702	3994323.6145	20.00	4.57	2.295	13.0925	N7° 16' 38.54"E
C97	5+051.11	231350.7893	3994365.9580	5+040.67	231348.2947	3994355.8199	5+059.91	231343.8975	3994373.8007	20.00	19.24	10.441	55.1315	N13° 44' 31.73"W
C98	5+113.98	231308.2090	3994414.4127	5+097.37	231319.1703	3994401.9392	5+130.55	231298.5532	3994427.9220	330.50	33.18	16.605	5.7526	N38° 25' 53.68"W
C99	5+272.46	231216.0351	3994543.3725	5+264.47	231220.6806	3994536.8730	5+280.35	231209.7881	3994548.3521	57.26	15.88	7.989	15.8855	N43° 29' 52.87"W
C100	5+346.25	231158.2531	3994589.4320	5+334.67	231167.3073	3994582.2147	5+357.45	231153.1705	3994599.8355	51.37	22.78	11.579	25.4031	N38° 44' 21.25"W
C101	5+407.12	231131.3694	3994644.4598	5+400.81	231134.1390	3994638.7907	5+413.42	231128.2479	3994649.9431	200.00	12.61	6.310	3.6139	N27° 50' 40.67"W
C102	5+460.74	231104.8397	3994691.0628	5+449.90	231110.1995	3994681.6476	5+471.51	231101.2592	3994701.2879	119.59	21.61	10.834	10.3531	N24° 28' 30.03"W
C103	5+512.69	231087.6496	3994740.1544	5+499.12	231092.1341	3994727.3473	5+524.86	231093.5211	3994752.3878	32.81	25.73	13.569	44.9376	N3° 10' 13.20"E
C104	5+542.19	231101.0198	3994768.0113	5+536.77	231098.6755	3994763.1269	5+547.58	231102.5637	3994773.2045	68.22	10.81	5.418	9.0821	N21° 05' 53.01"E
C105	5+560.48	231106.2393	3994785.5679	5+557.12	231105.2827	3994782.3501	5+563.70	231108.6120	3994787.9425	13.26	6.58	3.357	28.4198	N30° 46' 00.94"E
C106	5+581.28	231121.0354	3994800.3760	5+575.48	231116.9383	3994796.2755	5+586.87	231126.5123	3994802.2746	25.21	11.40	5.797	25.9031	N57° 55' 42.25"E
C107	5+626.95	231164.3750	3994815.4006	5+621.00	231158.7556	3994813.4525	5+632.70	231170.2877	3994814.7581	26.48	11.70	5.948	25.3217	N83° 32' 26.85"E
C108	5+664.30	231201.6985	3994811.3449	5+658.47	231195.9024	3994811.9747	5+666.75	231200.9332	3994817.1247	4.58	8.29	5.830	103.7442	N44° 19' 46.22"E
C109	5+677.21	231199.5607	3994827.4896	5+674.11	231199.9670	3994824.4217	5+680.23	231198.1008	3994830.2183	17.02	6.12	3.095	20.6063	N17° 50' 44.80"W
C110	5+710.34	231183.8973	3994856.7644	5+694.03	231191.5921	3994842.3829	5+725.76	231185.2033	3994873.0226	55.52	31.73	16.311	32.7413	N11° 46' 41.78"W
C111	5+737.05	231186.1071	3994884.2748	5+728.68	231185.4367	3994875.9285	5+744.04	231179.5066	3994889.4269	15.54	15.36	8.373	56.6180	N23° 42' 59.82"W
C112	5+761.54	231165.7112	3994900.1951	5+753.71	231171.8770	3994895.3824	5+769.21	231161.4901	3994906.7800	45.84	15.49	7.822	19.3643	N42° 20' 36.51"W
C113	5+815.79	231136.3532	3994945.9930	5+813.31	231137.6898	3994943.9080	5+818.26	231134.8509	3994947.9619	60.57	4.95	2.477	4.6831	N35° 00' 10.38"W
C114	5+897.10	231087.0239	3995010.6428	5+890.06	231091.2962	3995005.0437	5+904.07	231081.4787	3995014.9847	55.00	14.01	7.043	14.5942	N44° 38' 29.60"W
C115	5+933.20	231058.5438	3995032.9430	5+925.27	231064.7868	3995028.0547	5+940.97	231054.3230	3995039.6552	45.49	15.70	7.929	19.7760	N42° 03' 02.31"W
C116	5+955.41	231046.6373	3995051.8777	5+950.83	231049.0742	3995048.0023	5+959.97	231043.6594	3995055.3547	62.22	9.14	4.578	8.4156	N36° 22' 13.56"W
C117	5+978.42	231031.6589	3995069.3667	5+973.47	231034.8801	3995065.6056	5+983.19	231030.4822	3995074.1769	20.76	9.72	4.952	26.8320	N27° 09' 44.08"W
C118	6+042.04	231016.4987	3995131.3390	6+040.67	231016.8228	3995130.0141	6+043.40	231016.1565	3995132.6594	200.00	2.73	1.364	0.7815	N14° 08' 13.13"W
C119	6+064.83	231010.7820	3995153.3998	6+055.30	231013.1709	3995144.1810	6+073.66	231014.5340	3995162.1527	27.87	18.35	9.523	37.7302	N4° 20' 14.62"E
C120	6+104.32	231026.6150	3995190.3365	6+093.84	231022.4858	3995180.7036	6+114.26	231025.0442	3995200.6988	36.77	20.42	10.481	31.8222	N7° 17' 29.06"E

[Handwritten Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Pakistan.

[Handwritten Signature]



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S DATE: AUG. 2024	HORIZONTAL CURVE DATA
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AQEEL YOUNIS						
DWG NO: CEC/M&WP-RRDN-CHT-9/ HED-03										

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C121	6+140.35	231021.1340	3995226.4940	6+130.16	231022.6614	3995216.4180	6+150.27	231015.8229	3995235.1917	50.57	20.11	10.191	22.7897	N20° 00' 52.43"W
C122	6+194.57	230992.7362	3995272.9998	6+179.47	231000.6037	3995260.1155	6+209.61	230986.8919	3995286.9191	200.00	30.14	15.096	8.6333	N27° 05' 34.08"W
C123	6+243.53	230973.7621	3995318.1900	6+231.56	230978.3937	3995307.1591	6+255.07	230974.5095	3995330.1305	51.09	23.50	11.964	26.3579	N9° 35' 50.01"W
C124	6+273.22	230975.6438	3995348.2516	6+262.42	230974.9690	3995337.4716	6+282.12	230966.8093	3995354.4656	19.30	19.69	10.801	58.4602	N25° 38' 54.11"W
C125	6+323.95	230932.5936	3995378.5319	6+317.76	230937.6548	3995374.9720	6+329.89	230929.7903	3995384.0482	24.87	12.13	6.188	27.9388	N40° 54' 32.58"W
C126	6+338.23	230926.0137	3995391.4796	6+334.74	230927.5929	3995388.3721	6+341.41	230922.7807	3995392.7826	9.30	6.67	3.486	41.1081	N47° 29' 37.25"W
C127	6+369.88	230896.3743	3995403.4259	6+360.70	230904.8913	3995399.9931	6+379.03	230888.4565	3995408.0769	123.89	18.33	9.183	8.4779	N63° 48' 31.46"W
C128	6+402.77	230867.9837	3995420.1028	6+397.37	230872.6398	3995417.3677	6+408.02	230862.6205	3995420.7320	25.69	10.65	5.400	23.7385	N71° 26' 20.51"W
C129	6+416.99	230853.7111	3995421.7773	6+411.89	230858.7796	3995421.1826	6+421.82	230849.7588	3995425.0056	17.48	9.93	5.103	32.5503	N67° 01' 59.35"W
C130	6+464.95	230816.3518	3995452.2924	6+457.92	230821.7935	3995447.8477	6+471.95	230811.5822	3995457.4516	100.42	14.03	7.026	8.0045	N46° 45' 20.70"W
C131	6+485.67	230802.2702	3995467.5240	6+479.05	230806.7640	3995462.6632	6+492.17	230796.4370	3995470.6538	39.49	13.12	6.620	19.0308	N52° 16' 07.97"W
C132	6+574.37	230724.0049	3995509.5171	6+553.27	230742.5946	3995499.5429	6+593.61	230716.6807	3995529.3014	55.73	40.33	21.096	41.4695	N41° 02' 58.22"W
C133	6+621.84	230706.8782	3995555.7801	6+609.14	230711.2897	3995543.8637	6+634.20	230698.1523	3995565.0171	62.30	25.07	12.707	23.0557	N31° 50' 33.22"W
C134	6+668.95	230674.2942	3995590.2724	6+663.89	230677.7701	3995586.5930	6+673.99	230670.2998	3995593.3813	66.27	10.10	5.062	8.7361	N47° 44' 18.34"W
C135	6+691.12	230656.7848	3995603.8999	6+687.88	230659.3344	3995601.9156	6+694.32	230654.7082	3995606.3749	30.46	6.44	3.231	12.1077	N46° 03' 09.39"W
C136	6+719.34	230638.6249	3995625.5431	6+710.72	230644.1655	3995618.9398	6+726.46	230630.0896	3995624.3385	15.54	15.74	8.620	58.0343	N69° 00' 57.27"W
C137	6+740.91	230615.7830	3995622.3194	6+734.48	230622.1569	3995623.2190	6+746.73	230610.5331	3995626.0441	16.18	12.25	6.437	43.3881	N76° 20' 20.51"W
C138	6+769.44	230592.0120	3995639.1845	6+759.60	230600.0331	3995633.4937	6+775.36	230597.2476	3995647.5099	10.40	15.75	9.835	86.8095	N11° 14' 24.95"W
C139	6+807.37	230614.2907	3995674.6112	6+801.96	230611.4073	3995670.0262	6+812.78	230616.6224	3995679.4999	93.01	10.82	5.416	6.6652	N28° 49' 54.67"E
C140	6+840.59	230628.5961	3995704.6041	6+835.76	230626.5157	3995700.2423	6+845.15	230627.9313	3995709.3907	16.10	9.39	4.833	33.4058	N8° 47' 46.74"E
C141	6+867.18	230624.8999	3995731.2188	6+861.03	230625.7469	3995725.1193	6+873.20	230621.8979	3995736.5955	32.80	12.17	6.158	21.2687	N18° 32' 27.50"W
C142	6+908.57	230604.6572	3995767.4755	6+899.88	230608.8916	3995759.8911	6+917.19	230598.8931	3995773.9739	79.98	17.31	8.686	12.3976	N35° 22' 26.91"W
C143	6+954.78	230573.9482	3995802.0967	6+948.67	230578.0030	3995797.5253	6+960.87	230570.5976	3995807.2068	84.01	12.20	6.111	8.3206	N37° 24' 45.54"W
C144	6+996.87	230550.8542	3995837.3177	6+992.76	230553.1102	3995833.8771	7+000.99	230548.7417	3995840.8481	200.00	8.23	4.114	2.3569	N32° 04' 25.98"W
C145	7+043.64	230526.8391	3995877.4514	7+036.71	230530.3975	3995871.5046	7+049.89	230520.1521	3995879.2713	17.20	13.18	6.930	43.8803	N52° 50' 08.01"W
C146	7+092.84	230478.7041	3995890.5513	7+083.66	230487.5663	3995888.1395	7+100.81	230474.9643	3995898.9400	19.37	17.15	9.185	50.7480	N49° 24' 06.23"W
C147	7+114.59	230469.3547	3995911.5231	7+109.59	230471.3896	3995906.9586	7+119.42	230465.5689	3995914.7855	22.34	9.83	4.998	25.2192	N36° 38' 14.49"W
C148	7+126.92	230459.8902	3995919.6790	7+123.92	230462.1617	3995917.7216	7+129.57	230459.8198	3995922.6767	6.75	5.64	2.999	47.9006	N25° 17' 48.01"W
C149	7+148.69	230459.3705	3995941.7931	7+144.22	230459.4755	3995937.3256	7+153.03	230461.0771	3995945.9231	21.21	8.81	4.469	23.7973	N10° 33' 08.14"E
C150	7+159.73	230463.6369	3995952.1182	7+156.88	230462.5503	3995949.4884	7+162.54	230464.0234	3995954.9373	22.14	5.66	2.845	14.6450	N15° 07' 42.19"E
C151	7+193.57	230468.2376	3995985.6785	7+177.05	230465.9929	3995969.3041	7+208.38	230458.2379	3995998.8378	39.86	31.34	16.528	45.0371	N14° 42' 45.55"W
C152	7+232.96	230443.3651	3996018.4098	7+223.38	230449.1626	3996010.7805	7+242.31	230440.8294	3996027.6503	49.56	18.93	9.582	21.8861	N26° 17' 17.33"W
C153	7+264.92	230434.8466	3996049.4524	7+256.80	230436.9947	3996041.6243	7+272.73	230429.3408	3996055.4173	33.35	15.93	8.117	27.3628	N29° 01' 35.46"W
C154	7+301.68	230409.7000	3996076.6960	7+296.93	230412.9238	3996073.2033	7+306.40	230405.8294	3996079.4547	45.94	9.47	4.753	11.8133	N48° 36' 52.51"W
C155	7+319.81	230394.9114	3996087.2363	7+315.42	230398.4908	3996084.6851	7+324.09	230392.6177	3996090.9859	21.54	8.67	4.396	23.0663	N42° 59' 17.23"W
C156	7+339.21	230384.7239	3996103.8902	7+333.37	230387.7740	3996098.9040	7+344.72	230379.4119	3996106.3290	19.19	11.35	5.845	33.8846	N48° 23' 50.19"W
C157	7+375.10	230351.8010	3996119.0055	7+363.96	230361.9223	3996114.3587	7+385.26	230347.2941	3996129.1898	29.42	21.29	11.137	41.4685	N44° 36' 19.10"W
C158	7+400.86	230340.9784	3996143.4615	7+388.84	230345.8435	3996132.4678	7+411.80	230330.0059	3996148.3745	31.31	22.96	12.022	42.0083	N44° 52' 30.71"W
C159	7+457.75	230288.0615	3996167.1553	7+453.79	230291.6836	3996165.5335	7+461.71	230284.6488	3996169.1808	69.15	7.93	3.969	6.5690	N62° 35' 41.50"W
C160	7+493.14	230257.6244	3996185.2201	7+485.29	230264.3781	3996181.2116	7+500.90	230252.1283	3996190.8302	60.06	15.62	7.854	14.8991	N51° 51' 38.94"W

Project Director (PIU)
Provincial Roads Improvement Pro
C&W Department Peshawar.

[Handwritten Signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA
		1			DRAWN	IMRAN TARIQ			DATE:	
		2			CHECKED	SHAHZAD DURRANI			AUG. 2024.	
3			APPROVED	AQEEL YOUNIS	DWG NO: CECRHWK-RRDM-CHT-9/ HCD-04					

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C161	7+526.48	230234.2326	3996209.0976	7+518.04	230240.1391	3996203.0684	7+534.72	230226.5467	3996212.5853	45.14	16.69	8.440	21.1812	N55° 00' 06.58"W
C162	7+574.94	230189.9246	3996229.2037	7+565.55	230198.4723	3996225.3249	7+584.19	230180.6167	3996230.4173	62.89	18.64	9.387	16.9787	N74° 04' 54.28"W
C163	7+643.30	230122.0033	3996238.0600	7+615.52	230149.5506	3996234.4680	7+666.97	230108.5293	3996262.3541	55.05	51.46	27.780	53.5574	N55° 47' 32.49"W
C164	7+700.51	230092.2617	3996291.6852	7+695.21	230094.8358	3996287.0440	7+705.81	230090.2467	3996296.5950	90.66	10.60	5.307	6.7007	N25° 39' 47.87"W
C165	7+724.04	230083.3270	3996313.4562	7+715.18	230086.6892	3996305.2636	7+732.78	230077.8556	3996320.4195	63.63	17.60	8.856	15.8456	N30° 14' 08.81"W
C166	7+762.81	230059.3001	3996344.0343	7+758.57	230061.9203	3996340.6997	7+767.03	230056.1073	3996346.8256	45.37	8.46	4.241	10.6808	N43° 29' 56.33"W
C167	7+778.50	230047.4704	3996354.3761	7+774.68	230050.3428	3996351.8650	7+782.25	230045.4955	3996357.6406	24.55	7.57	3.815	17.6673	N40° 00' 20.53"W
C168	7+795.09	230038.8493	3996368.6269	7+788.72	230042.1502	3996363.1705	7+801.46	230034.9999	3996373.7110	122.52	12.74	6.377	5.9589	N34° 09' 05.44"W
C169	7+825.60	230020.4306	3996392.9534	7+812.20	230028.5194	3996382.2701	7+838.26	230019.4402	3996406.3168	45.39	26.06	13.400	32.8922	N20° 41' 05.59"W
C170	7+875.30	230016.7023	3996443.2573	7+871.09	230017.0130	3996439.0652	7+879.43	230017.7159	3996447.3368	26.25	8.34	4.204	18.1923	N4° 51' 26.52"E
C171	7+891.22	230020.5591	3996458.7797	7+885.70	230019.2289	3996453.4259	7+896.24	230017.9710	3996463.6515	14.40	10.54	5.517	41.9329	N7° 00' 46.47"W
C172	7+917.35	230008.0671	3996482.2943	7+910.46	230011.3002	3996476.2083	7+923.90	230008.4398	3996489.1756	24.78	13.44	6.891	31.0795	N12° 26' 22.45"W
C173	7+944.62	230009.5601	3996509.8600	7+940.20	230009.3212	3996505.4500	7+948.27	230005.9517	3996512.4065	7.99	8.07	4.416	57.8882	N25° 50' 38.08"W
C174	7+960.39	229996.0501	3996519.3945	7+955.74	229999.8458	3996516.7157	7+964.80	229994.2231	3996523.6659	16.40	9.05	4.646	31.6305	N38° 58' 22.08"W
C175	7+974.99	229990.2128	3996533.0417	7+971.88	229991.4385	3996530.1761	7+978.03	229987.9547	3996535.1898	15.13	6.15	3.117	23.2731	N34° 47' 38.90"W
C176	7+985.72	229982.3814	3996540.4915	7+982.34	229984.8308	3996538.1614	7+988.81	229982.0605	3996543.8569	9.05	6.47	3.381	40.9835	N25° 56' 20.18"W
C177	7+993.89	229981.5776	3996548.9207	7+989.01	229982.0410	3996544.0611	7+998.51	229978.5691	3996552.7652	16.70	9.50	4.882	32.5979	N21° 44' 46.05"W
C178	8+027.51	229960.7001	3996575.5994	8+014.54	229968.6900	3996565.3894	8+028.98	229957.2347	3996563.1064	6.54	14.44	12.965	126.4517	S78° 43' 44.64"W
C179	8+053.10	229950.7864	3996539.8594	8+040.78	229954.0816	3996551.7389	8+059.28	229939.3719	3996544.5166	10.97	18.51	12.328	96.6928	S63° 50' 58.62"W
C180	8+071.16	229928.3781	3996549.0022	8+065.03	229934.0518	3996546.6873	8+077.23	229922.3191	3996549.9181	51.39	12.20	6.128	13.6006	N74° 36' 15.45"W
C181	8+117.43	229882.5663	3996555.9268	8+107.23	229892.6502	3996554.4026	8+127.47	229872.4854	3996554.3820	67.01	20.24	10.198	17.3082	S89° 56' 28.59"W
C182	8+148.64	229851.5642	3996551.1757	8+145.30	229854.8658	3996551.6817	8+151.96	229848.4134	3996550.0669	35.75	6.66	3.340	10.6754	S75° 56' 58.05"W
C183	8+161.17	229839.7258	3996547.0095	8+156.87	229843.7840	3996548.4377	8+165.22	229835.5609	3996548.0872	14.12	8.35	4.302	33.8948	S87° 33' 33.04"W
C184	8+204.79	229797.2556	3996557.9983	8+197.34	229804.4674	3996556.1323	8+212.23	229789.9250	3996559.3226	200.00	14.89	7.449	4.2662	N77° 37' 35.35"W
C185	8+265.02	229737.9781	3996568.7072	8+262.10	229740.8428	3996568.1897	8+267.89	229735.3681	3996569.9963	20.66	5.78	2.911	16.0437	N71° 44' 15.70"W
C186	8+274.51	229729.4308	3996572.9286	8+270.48	229733.0449	3996571.1436	8+278.51	229725.5096	3996573.8628	35.70	8.03	4.031	12.8841	N70° 09' 28.28"W
C187	8+292.91	229711.5017	3996577.2000	8+286.35	229717.8849	3996575.6793	8+299.44	229704.9536	3996577.6244	77.40	13.09	6.562	9.6918	N81° 26' 44.91"W
C188	8+312.45	229691.9661	3996578.4661	8+305.98	229698.4222	3996578.0477	8+318.79	229686.0510	3996581.0871	36.34	12.81	6.470	20.1899	N76° 11' 48.35"W
C189	8+381.32	229628.8808	3996606.4193	8+346.53	229660.6912	3996592.3241	8+365.71	229652.7822	3996581.1350	6.99	19.18	34.793	157.2877	S35° 15' 15.74"W
C190	8+375.72	229659.6625	3996573.8566	8+371.24	229656.5783	3996577.1192	8+380.19	229663.2678	3996571.1811	51.15	8.96	4.490	10.0317	S48° 24' 19.15"E
C191	8+409.15	229686.5215	3996553.9248	8+401.02	229679.9924	3996558.7699	8+417.19	229691.6278	3996547.5979	63.85	16.17	8.130	14.5145	S46° 09' 50.15"E
C192	8+430.89	229700.2292	3996536.9407	8+427.41	229698.0423	3996539.6503	8+434.28	229701.2347	3996533.6070	17.81	6.88	3.482	22.1212	S27° 50' 45.85"E
C193	8+467.37	229710.7904	3996501.9280	8+444.34	229704.1378	3996523.9828	8+455.96	229696.8169	3996520.2423	4.18	11.63	23.036	159.4424	S62° 56' 08.58"W
C194	8+464.25	229691.7868	3996526.8349	8+460.81	229693.8773	3996524.0950	8+467.57	229688.6659	3996528.2970	14.06	6.76	3.446	27.5544	N51° 07' 13.04"W
C195	8+478.85	229678.4438	3996533.0859	8+474.72	229682.1880	3996531.3318	8+482.80	229676.0959	3996536.4893	15.27	8.08	4.135	30.2962	N49° 44' 57.79"W
C196	8+496.59	229668.2618	3996547.8449	8+490.88	229671.5047	3996543.1442	8+501.79	229662.7070	3996549.1703	14.89	10.91	5.711	41.9787	N55° 35' 26.38"W
C197	8+517.74	229647.1857	3996552.8737	8+509.90	229654.8192	3996551.0524	8+525.21	229641.5584	3996558.3436	28.52	15.32	7.848	30.7669	N61° 11' 47.58"W
C198	8+532.69	229636.1959	3996563.5559	8+528.35	229639.3066	3996560.5323	8+536.93	229632.2039	3996565.2535	23.24	8.58	4.338	21.1506	N56° 23' 18.13"W
C199	8+575.78	229596.4485	3996580.4575	8+567.42	229604.1492	3996577.1830	8+579.04	229595.4826	3996572.1454	6.26	11.62	8.368	106.4081	S59° 49' 56.30"W
C200	8+589.17	229594.3133	3996562.0830	8+581.60	229595.1866	3996569.5976	8+593.81	229601.7387	3996560.6353	8.17	12.21	7.565	85.5957	S36° 10' 10.55"E

[Handwritten Signature]
 Project Director (P.D.)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Handwritten Signature]



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO: CEC/RWP/RRDN-CHT-9/ HCD-05
		a			DRAWN: IMRAN TARIQ			N.T.S	
		b			CHECKED: SHAHZAD DURRANI			DATE: AUG, 2024	
			APPROVED: AGEEL YOUNIS						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C201	8+631.58	229638.8088	3996553.4078	8+610.72	229618.3401	3996557.3985	8+624.48	229618.8520	3996547.3566	5.18	13.75	20.854	152.0994	S2° 55' 03.89"E
C202	8+643.07	229601.0621	3996541.9625	8+638.23	229605.6881	3996543.3651	8+647.76	229596.2681	3996542.5835	22.50	9.52	4.834	24.2499	S85° 15' 24.98"W
C203	8+669.67	229574.5329	3996545.3995	8+661.74	229582.3977	3996544.3805	8+676.82	229569.5741	3996551.5883	19.67	15.08	7.930	43.9145	N60° 39' 39.08"W
C204	8+703.06	229553.1639	3996572.0690	8+696.73	229557.1253	3996567.1250	8+709.33	229548.1167	3996575.8981	51.19	12.61	6.335	14.1099	N45° 45' 30.92"W
C205	8+740.30	229523.4475	3996594.6139	8+729.59	229531.9822	3996588.1389	8+750.02	229512.7791	3996593.6390	27.61	20.44	10.713	42.4075	N74° 01' 02.40"W
C206	8+789.38	229473.5824	3996590.0573	8+774.72	229488.1829	3996591.3914	8+801.79	229464.0388	3996601.1873	28.40	27.07	14.661	54.6095	N67° 54' 58.88"W
C207	8+834.89	229442.4946	3996626.3131	8+832.70	229443.9215	3996624.6490	8+837.08	229441.0316	3996627.9455	200.00	4.38	2.192	1.2559	N41° 14' 22.39"W
C208	8+872.85	229417.1569	3996654.5846	8+867.43	229420.7758	3996650.5468	8+878.15	229415.2286	3996659.6523	29.21	10.72	5.422	21.0348	N31° 21' 00.41"W
C209	8+905.85	229405.3768	3996685.5427	8+881.09	229414.1841	3996662.3973	8+893.77	229405.3523	3996660.7783	4.57	12.68	24.764	159.1106	S79° 36' 43.06"W
C210	8+948.15	229405.2986	3996606.3972	8+911.81	229405.3345	3996642.7402	8+924.79	229396.5029	3996641.6598	4.48	12.98	36.343	165.9377	S83° 01' 31.85"W
C211	8+949.27	229390.5766	3996665.4191	8+944.27	229391.7882	3996660.5615	8+954.23	229390.5907	3996670.4256	40.29	9.96	5.006	14.1668	N6° 55' 20.01"W
C212	8+983.87	229390.6741	3996700.0622	8+977.99	229390.6575	3996694.1881	8+989.60	229388.4795	3996705.5110	30.08	11.60	5.874	22.0988	N10° 53' 17.66"W
C213	9+086.29	229352.3533	3996795.2075	9+013.35	229379.6066	3996727.5412	9+029.57	229369.3043	3996724.2559	5.42	16.23	72.948	171.4991	S72° 18' 46.16"W
C214	9+060.10	229376.3972	3996694.5676	9+044.33	229372.7344	3996709.8987	9+074.59	229369.4197	3996680.4336	43.65	30.25	15.762	39.7108	S6° 25' 07.28"W
C215	9+113.76	229352.0801	3996645.3096	9+111.59	229353.0394	3996647.2528	9+115.92	229351.3577	3996643.2665	36.46	4.33	2.167	6.8028	S22° 52' 21.62"W
C216	9+145.02	229341.6565	3996615.8274	9+124.36	229348.5437	3996635.3072	9+134.71	229341.3244	3996636.4862	3.72	10.35	20.661	159.6078	N80° 43' 29.45"W
C217	9+146.05	229341.1422	3996647.8189	9+141.79	229341.2107	3996643.5619	9+150.25	229342.2422	3996651.9318	30.50	8.46	4.258	15.8936	N7° 01' 33.00"E
C218	9+192.83	229353.2418	3996693.0614	9+183.74	229350.8946	3996684.2849	9+201.33	229350.0591	3996701.5705	28.40	17.59	9.085	35.4799	N2° 46' 02.32"W
C219	9+246.45	229334.2507	3996743.8358	9+244.28	229335.0126	3996741.7987	9+248.57	229332.7884	3996745.4458	11.33	4.30	2.175	21.7403	N31° 22' 38.61"W
C220	9+257.27	229326.9439	3996751.8806	9+255.49	229328.1396	3996750.5642	9+259.05	229325.7315	3996753.1816	277.32	3.56	1.778	0.7348	N42° 36' 53.84"W
C221	9+379.53	229243.5895	3996841.3224	9+268.45	229319.3181	3996760.0633	9+280.20	229313.5515	3996755.0486	3.82	11.75	111.076	176.0573	S48° 59' 20.37"W
C222	9+297.16	229324.2325	3996741.8773	9+293.53	229321.9448	3996744.6984	9+300.56	229324.4550	3996738.2520	11.34	7.03	3.632	35.5288	S21° 16' 30.82"E
C223	9+334.44	229326.5299	3996704.4321	9+331.56	229326.3532	3996707.3112	9+337.29	229325.9715	3996701.6021	22.40	5.74	2.885	14.6734	S3° 49' 33.11"W
C224	9+357.32	229322.0952	3996681.9580	9+343.60	229324.7513	3996695.4188	9+354.10	229316.9297	3996694.6689	4.10	10.50	13.720	146.7215	S84° 31' 23.89"W
C225	9+358.12	229315.4140	3996698.3986	9+354.41	229316.8095	3996694.9648	9+361.45	229316.8369	3996701.8212	9.02	7.03	3.707	44.6903	N0° 13' 45.15"E
C226	9+367.73	229319.2468	3996707.6179	9+364.66	229318.0710	3996704.7897	9+370.50	229318.1735	3996710.4865	7.76	5.83	3.063	43.0879	N1° 01' 49.40"E
C227	9+394.90	229309.6238	3996733.3372	9+390.44	229311.1866	3996729.1601	9+399.28	229306.8599	3996736.8373	28.51	8.85	4.460	17.7823	N29° 24' 16.96"W
C228	9+424.91	229290.9808	3996756.9468	9+413.39	229298.1159	3996747.9109	9+433.95	229279.7468	3996754.4264	18.30	20.55	11.513	64.3489	N70° 28' 13.16"W
C229	9+450.92	229263.1823	3996750.7102	9+440.93	229272.9294	3996752.8970	9+457.91	229258.6766	3996759.6258	12.82	16.97	9.989	75.8341	N64° 43' 39.83"W
C230	9+479.74	229248.8277	3996779.1144	9+473.65	229251.5750	3996773.6782	9+485.76	229244.7266	3996783.6178	44.72	12.11	6.091	15.5127	N34° 34' 01.33"W
C231	9+498.60	229236.0834	3996793.1087	9+493.65	229239.4151	3996789.4502	9+503.49	229233.7738	3996797.4848	38.90	9.84	4.948	14.4995	N35° 04' 25.14"W
C232	9+574.16	229200.7908	3996859.9795	9+515.30	229228.2602	3996807.9318	9+529.48	229219.5451	3996804.1960	4.76	14.18	58.852	170.7587	S66° 47' 48.38"W
C233	9+550.63	229226.2848	3996784.1494	9+548.84	229225.7161	3996785.8407	9+552.41	229226.9871	3996782.5091	44.46	3.57	1.784	4.5961	S20° 52' 50.18"E
C234	9+619.19	229253.2711	3996721.1207	9+569.49	229233.7085	3996766.8107	9+579.22	229227.9583	3996763.8938	3.23	9.73	49.702	172.5620	S63° 06' 08.41"W
C235	9+594.35	229220.2504	3996776.9185	9+591.42	229221.7426	3996774.3971	9+597.28	229218.7279	3996779.4218	484.66	5.86	2.930	0.6927	N30° 57' 46.95"W
C236	9+636.70	229198.2465	3996813.0952	9+628.21	229202.6540	3996805.8488	9+645.03	229191.7837	3996818.5880	52.57	16.82	8.482	18.3293	N40° 28' 26.52"W
C237	9+666.81	229175.1861	3996832.6944	9+660.73	229179.8258	3996828.7511	9+672.85	229171.5610	3996837.5868	53.02	12.12	6.089	13.1019	N43° 05' 15.82"W
C238	9+687.45	229162.8718	3996849.3138	9+683.44	229165.2555	3996846.0968	9+691.36	229161.8001	3996853.1717	21.59	7.92	4.004	21.0122	N26° 01' 50.47"W
C239	9+703.55	229158.5371	3996864.9181	9+697.95	229160.0360	3996859.5223	9+707.90	229153.0048	3996865.7870	8.70	9.95	5.600	65.5496	N48° 17' 57.85"W
C240	9+728.25	229132.9051	3996868.9438	9+717.12	229143.8976	3996867.2174	9+737.92	229127.2419	3996878.5222	23.60	20.80	11.127	50.4805	N55° 50' 02.28"W

Project Director (P.D.)
Provincial Roads Improvement Project
C&W Department Peshawar

[Handwritten Signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 56835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN	IMRAN TARIQ			DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG. 2024	
-			APPROVED	AQEEL YOUNIS	DWG NO: CEC/RRDP/RRIN-CHT-9/ HCD-96					

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C241	9+747.24	229122.4944	3996886.5516	9+743.04	229124.6320	3996882.9364	9+750.93	229118.3683	3996887.3354	9.29	7.89	4.200	48.6509	N54° 55' 08.98"W
C242	9+765.18	229104.3740	3996889.9936	9+756.86	229112.5427	3996888.4420	9+772.40	229100.3869	3996897.2901	17.59	15.53	8.315	50.5902	N53° 56' 58.16"W
C243	9+798.17	229088.0293	3996919.9045	9+794.77	229089.6569	3996916.9259	9+801.56	229086.2378	3996922.7876	121.48	6.79	3.394	3.2010	N30° 15' 17.54"W
C244	9+820.78	229076.0944	3996939.1121	9+814.98	229079.1582	3996934.1812	9+826.51	229074.4842	3996944.6896	41.96	11.54	5.805	15.7525	N23° 58' 44.91"W
C245	9+843.74	229069.7067	3996961.2383	9+829.83	229073.5654	3996947.8723	9+855.11	229056.2361	3996964.7139	24.38	25.28	13.912	59.4295	N45° 49' 03.55"W
C246	9+873.72	229038.2123	3996969.3643	9+866.75	229044.9663	3996967.6217	9+880.68	229031.3008	3996970.3051	118.88	13.93	6.975	6.7160	N78° 53' 25.35"W
C247	9+903.06	229009.1301	3996973.3231	9+896.82	229015.3139	3996972.4813	9+909.22	229002.9536	3996972.4295	44.45	12.40	6.241	15.9840	S89° 45' 34.73"W
C248	9+935.27	228977.1672	3996968.6987	9+925.17	228987.1665	3996970.1454	9+945.27	228967.1249	3996969.8080	79.22	20.10	10.103	14.5358	S89° 02' 08.00"W
C249	9+972.58	228939.9801	3996972.8065	9+967.27	228945.2529	3996972.2241	9+977.69	228935.0121	3996970.9462	22.24	10.42	5.305	26.8326	S82° 53' 13.73"W
C250	9+993.48	228920.2210	3996965.4074	9+985.49	228927.7072	3996968.2107	10+001.34	228912.2325	3996965.1167	49.23	15.85	7.994	18.4447	S78° 41' 35.54"W
C251	10+034.28	228879.3141	3996963.9186	10+015.82	228897.7560	3996964.5898	10+050.69	228866.1188	3996976.8197	43.02	34.87	18.454	46.4387	N68° 51' 54.30"W
C252	10+091.64	228836.8356	3997005.4502	10+083.15	228842.9082	3996999.5130	10+099.59	228835.3221	3997013.8071	26.63	16.44	8.493	35.3806	N27° 57' 19.61"W
C253	10+114.50	228832.6661	3997028.4733	10+109.82	228833.4992	3997023.8728	10+119.01	228829.9029	3997032.2447	20.28	9.19	4.675	25.9633	N23° 14' 48.41"W
C254	10+130.24	228823.2660	3997041.3036	10+124.77	228826.5010	3997036.8880	10+134.96	228824.7291	3997046.5782	11.29	10.19	5.474	51.7315	N10° 21' 45.62"W
C255	10+149.42	228828.5940	3997060.5117	10+143.49	228827.0080	3997054.7942	10+154.77	228825.7693	3997065.7296	14.71	11.28	5.933	43.9314	N6° 27' 45.46"W
C256	10+168.33	228819.3145	3997077.6535	10+162.70	228821.9924	3997072.7066	10+172.97	228822.1076	3997082.5364	10.11	10.27	5.625	58.1987	N0° 40' 15.70"E
C257	10+184.97	228828.0676	3997092.9558	10+180.12	228825.6605	3997088.7477	10+188.26	228832.6739	3997091.4444	5.94	8.13	4.848	78.3945	N68° 58' 03.44"E
C258	10+205.13	228848.7066	3997086.1840	10+196.31	228840.3297	3997088.9325	10+205.33	228845.1142	3997094.2352	3.91	9.01	8.816	132.2112	N42° 03' 33.38"E
C259	10+221.83	228838.3871	3997109.3117	10+217.42	228840.1871	3997105.2777	10+225.87	228834.3780	3997111.1664	11.77	8.45	4.417	41.1271	N44° 36' 35.64"W
C260	10+232.50	228828.3644	3997113.9485	10+229.85	228830.7698	3997112.8356	10+235.05	228826.7109	3997116.0199	11.22	5.21	2.650	26.5763	N51° 53' 07.21"W
C261	10+244.26	228820.9635	3997123.2203	10+240.58	228823.2625	3997120.3402	10+247.83	228817.6562	3997124.8459	16.47	7.25	3.685	25.2279	N51° 12' 40.16"W
C262	10+265.40	228801.8881	3997132.5962	10+260.24	228806.5189	3997130.3201	10+270.45	228798.3441	3997136.3465	28.61	10.21	5.160	20.4457	N53° 36' 08.07"W
C263	10+278.19	228793.0282	3997141.9721	10+274.22	228795.7539	3997139.0876	10+282.00	228789.2686	3997143.2428	15.95	7.78	3.969	27.9450	N57° 21' 06.74"W
C264	10+296.68	228775.3645	3997147.9425	10+290.46	228781.2568	3997145.9509	10+302.66	228771.0489	3997152.4215	25.53	12.20	6.220	27.3885	N57° 37' 48.42"W
C265	10+315.97	228761.8136	3997162.0063	10+310.64	228765.5077	3997158.1724	10+320.95	228756.5776	3997162.9703	16.57	10.30	5.324	35.6324	N61° 45' 07.44"W
C266	10+331.73	228745.9696	3997164.9233	10+327.42	228750.2128	3997164.1421	10+334.87	228745.4284	3997169.2038	5.90	7.45	4.315	72.3626	N43° 23' 13.16"W
C267	10+365.46	228741.5919	3997199.5483	10+358.10	228742.5148	3997192.2491	10+372.73	228738.7998	3997206.3552	55.52	14.63	7.357	15.0970	N14° 45' 15.21"W
C268	10+383.76	228734.6117	3997216.5656	10+379.04	228736.4032	3997212.1980	10+387.26	228738.1266	3997219.7169	6.69	8.22	4.721	70.4245	N12° 54' 34.26"E
C269	10+402.97	228749.8205	3997230.2012	10+396.04	228744.6616	3997225.5760	10+408.03	228747.0202	3997236.5388	9.54	11.99	6.929	71.9596	N12° 08' 31.05"E
C270	10+431.17	228737.6675	3997257.7064	10+425.55	228739.9399	3997252.5633	10+436.74	228734.2609	3997262.1795	47.67	11.19	5.623	13.4541	N30° 33' 53.59"W
C271	10+463.22	228718.2182	3997283.2447	10+457.87	228721.4590	3997278.9893	10+468.24	228717.9465	3997288.5868	17.29	10.37	5.349	34.3805	N20° 06' 06.01"W
C272	10+481.49	228717.2739	3997301.8112	10+474.56	228717.6258	3997294.8933	10+487.39	228711.5051	3997305.6454	13.75	12.83	6.927	53.4786	N29° 39' 02.62"W
C273	10+504.57	228697.2009	3997315.1527	10+497.70	228702.9226	3997311.3498	10+511.33	228690.5895	3997317.0207	43.79	13.63	6.870	17.8326	N65° 18' 22.77"W
C274	10+531.53	228671.1464	3997322.5143	10+524.92	228677.5090	3997320.7166	10+538.13	228664.6246	3997323.6006	119.75	13.21	6.612	6.3204	N77° 22' 58.12"W
C275	10+545.56	228657.2927	3997324.8219	10+541.65	228661.1536	3997324.1788	10+549.43	228653.7554	3997326.4975	28.05	7.78	3.914	15.8900	N72° 35' 52.82"W
C276	10+567.81	228637.1415	3997334.3676	10+559.54	228644.6119	3997330.8288	10+575.01	228629.6325	3997330.9115	17.70	15.47	8.266	50.0617	N89° 41' 01.92"W
C277	10+601.43	228605.6359	3997319.8668	10+597.34	228609.3493	3997321.5759	10+605.39	228601.5482	3997319.8388	18.97	8.05	4.088	24.3219	S77° 26' 46.37"W
C278	10+623.43	228583.5137	3997319.7151	10+618.16	228588.7788	3997319.7512	10+627.41	228581.5475	3997324.5994	7.74	9.25	5.265	68.4646	N56° 09' 37.90"W
C279	10+655.69	228570.9855	3997350.8358	10+651.94	228572.3877	3997347.3526	10+659.28	228568.0615	3997353.1915	14.41	7.35	3.755	29.2153	N36° 32' 09.08"W
C280	10+669.16	228560.3659	3997359.3914	10+665.89	228562.9146	3997357.3381	10+672.39	228558.5623	3997362.1226	21.02	6.49	3.273	17.7040	N42° 17' 29.37"W



Project Director (P-11)
Provincial Road's Construction Project
C&W Department Peshawar.

[Handwritten signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S DATE: AUG, 2024	HORIZONTAL CURVE DATA DWG NO: CEC/RWP/RRDN-CHT-9/1CD-07
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
			APPROVED	AQEEL YOUSUF						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C281	10+687.97	228549.9754	3997375.1259	10+685.65	228551.2551	3997373.1880	10+690.27	228548.2790	3997376.7120	19.64	4.62	2.322	13.4854	N40° 10' 55.95"W
C282	10+701.31	228540.2147	3997384.2518	10+698.10	228542.5573	3997382.0616	10+704.42	228538.9842	3997387.2133	14.86	6.32	3.207	24.3613	N34° 44' 39.37"W
C283	10+714.62	228535.0717	3997396.6291	10+710.54	228536.6367	3997392.8628	10+718.44	228531.6234	3997398.8071	12.87	7.90	4.079	35.1600	N40° 08' 37.00"W
C284	10+733.52	228518.8715	3997406.8612	10+727.49	228523.9723	3997403.6395	10+739.48	228514.7983	3997411.3115	45.04	11.99	6.033	15.2571	N50° 05' 42.26"W
C285	10+751.79	228506.4867	3997420.3926	10+746.65	228509.9544	3997416.6038	10+756.91	228502.5112	3997423.6445	71.21	10.25	5.136	8.2505	N46° 35' 30.40"W
C286	10+783.93	228481.5977	3997440.7517	10+777.35	228486.6896	3997436.5865	10+790.19	228475.0916	3997441.7254	23.91	12.84	6.579	30.7716	N66° 06' 10.14"W
C287	10+825.67	228440.0032	3997446.9765	10+816.67	228448.9069	3997445.6441	10+831.66	228439.7467	3997455.9757	10.76	14.99	9.003	79.8561	N41° 33' 38.00"W
C288	10+844.37	228439.3845	3997468.6831	10+838.74	228439.5448	3997463.0590	10+849.06	228434.5890	3997471.6260	10.40	10.31	5.626	56.8315	N30° 02' 53.68"W
C289	10+892.48	228397.5810	3997494.3365	10+885.33	228403.6719	3997490.5988	10+899.12	228394.9851	3997500.9947	21.26	13.79	7.146	37.1642	N39° 52' 54.81"W
C290	10+909.15	228391.3429	3997510.3367	10+904.82	228392.9142	3997506.3064	10+912.56	228387.0331	3997510.7097	6.96	7.74	4.326	63.7532	N53° 10' 35.07"W
C291	10+927.05	228372.6018	3997511.9589	10+920.76	228378.8695	3997511.4164	10+932.69	228368.5337	3997516.7578	15.28	11.94	6.291	44.7650	N62° 40' 13.85"W
C292	10+958.29	228351.9822	3997536.2830	10+952.17	228355.9354	3997531.6195	10+964.01	228351.4648	3997542.3746	19.14	11.83	6.114	35.4337	N22° 34' 16.18"W
C293	10+983.53	228349.8127	3997561.8279	10+976.70	228350.3912	3997555.0169	10+989.68	228344.6376	3997566.2935	16.77	12.98	6.835	44.3545	N27° 01' 53.62"W
C294	11+010.07	228329.1979	3997579.6166	11+002.86	228334.6557	3997574.9070	11+010.64	228336.2860	3997580.9307	3.46	7.78	7.209	128.7058	N15° 08' 38.74"E
C295	11+016.30	228341.8519	3997581.9626	11+013.16	228338.7618	3997581.3897	11+019.28	228344.1926	3997584.0597	11.20	6.13	3.143	31.3558	N63° 49' 08.65"E
C296	11+040.04	228359.6505	3997597.9092	11+037.01	228357.3929	3997595.8865	11+042.86	228360.2598	3997600.8785	9.18	5.86	3.031	36.5440	N29° 52' 08.93"E
C297	11+048.13	228361.3180	3997606.0346	11+046.37	228360.9656	3997604.3175	11+049.82	228362.3599	3997607.4443	7.95	3.45	1.753	24.8707	N24° 01' 56.92"E
C298	11+055.90	228365.9684	3997612.3267	11+053.73	228364.6817	3997610.5858	11+058.00	228366.4868	3997614.4284	10.83	4.27	2.165	22.6106	N25° 09' 44.97"E
C299	11+070.91	228369.5782	3997626.9601	11+065.82	228368.3581	3997622.0141	11+074.30	228374.6620	3997626.6329	6.09	8.48	5.094	79.8253	N53° 46' 11.34"E
C300	11+083.48	228383.8171	3997626.0437	11+080.20	228380.5531	3997626.2538	11+086.65	228386.8835	3997627.1815	15.36	6.45	3.271	24.0396	N81° 39' 45.61"E
C301	11+095.60	228395.2730	3997630.2944	11+091.79	228391.7054	3997628.9706	11+099.21	228399.0089	3997629.5712	13.58	7.42	3.805	31.3130	N85° 17' 57.77"E
C302	11+117.62	228417.0760	3997626.0737	11+106.15	228405.8200	3997628.2527	11+115.86	228409.4941	3997634.6737	3.91	9.71	11.465	142.3559	N29° 46' 40.56"E
C303	11+129.54	228400.4499	3997644.9322	11+124.15	228404.0101	3997640.8940	11+134.75	228395.5313	3997647.1206	24.67	10.60	5.384	24.6157	N53° 42' 28.39"W
C304	11+143.16	228387.8515	3997650.5373	11+139.14	228391.5194	3997648.9054	11+146.94	228383.8967	3997649.8474	13.18	7.79	4.015	33.8794	N82° 57' 19.70"W
C305	11+179.47	228351.8515	3997644.2574	11+167.30	228363.8358	3997646.3479	11+189.51	228343.7371	3997653.3211	21.92	22.21	12.165	58.0583	N70° 51' 57.76"W
C306	11+206.70	228332.2746	3997666.1246	11+198.67	228337.6283	3997660.1445	11+210.83	228338.7307	3997670.8935	7.31	12.16	8.026	95.3855	N5° 51' 21.08"E
C307	11+224.48	228349.7048	3997678.9994	11+216.90	228343.6056	3997674.4942	11+230.21	228347.7523	3997686.3265	11.14	13.32	7.583	68.4701	N19° 18' 48.82"E
C308	11+266.36	228338.4441	3997721.2566	11+252.40	228342.0391	3997707.7659	11+276.75	228349.9056	3997729.2288	19.90	24.35	13.961	70.1001	N20° 07' 42.74"E
C309	11+296.34	228365.9887	3997740.4159	11+290.95	228361.5621	3997737.3368	11+301.59	228371.2577	3997741.5623	27.05	10.64	5.392	22.5459	N66° 27' 05.44"E
C310	11+312.07	228381.4928	3997743.7894	11+305.97	228375.5376	3997742.4936	11+316.92	228383.0635	3997749.6780	9.99	10.94	6.095	62.7889	N46° 19' 48.02"E
C311	11+336.47	228388.1041	3997768.5745	11+327.75	228385.8552	3997760.1437	11+340.69	228379.4372	3997769.5854	7.55	12.95	8.726	98.2824	N34° 12' 20.26"W
C312	11+356.25	228363.9907	3997771.3872	11+349.22	228370.9681	3997770.5733	11+362.60	228359.4504	3997776.7475	17.80	13.38	7.025	43.0813	N61° 48' 22.22"W
C313	11+394.34	228338.9368	3997800.9658	11+385.61	228344.5783	3997794.3055	11+402.94	228331.5798	3997805.6627	57.79	17.33	8.728	17.1792	N48° 51' 18.40"W
C314	11+413.08	228323.0360	3997811.1173	11+406.75	228328.3697	3997807.7121	11+419.39	228318.0714	3997815.0412	125.64	12.65	6.328	5.7669	N54° 33' 40.53"W
C315	11+448.68	228295.0964	3997833.2002	11+432.72	228307.6167	3997823.3044	11+463.70	228279.1850	3997834.4309	52.36	30.98	15.959	33.8993	N68° 37' 38.99"W
C316	11+480.99	228261.9432	3997835.7645	11+470.80	228272.1106	3997834.9781	11+487.95	228260.5796	3997845.8708	12.62	17.15	10.198	77.8932	N46° 37' 50.10"W
C317	11+515.83	228256.8523	3997873.4971	11+504.11	228258.4189	3997861.8856	11+521.71	228268.5668	3997873.7216	10.44	17.60	11.717	96.5861	N40° 36' 32.60"E
C318	11+586.63	228333.4760	3997874.9655	11+572.75	228319.6019	3997874.6996	11+600.25	228346.4854	3997879.7941	81.76	27.49	13.877	19.2651	N79° 16' 10.49"E
C319	11+611.55	228357.0861	3997883.7287	11+605.07	228351.0050	3997881.4716	11+617.91	228363.5723	3997883.7902	37.13	12.84	6.486	19.8191	N79° 32' 47.72"E
C320	11+680.86	228426.5200	3997884.3878	11+666.27	228411.9307	3997884.2493	11+679.89	228415.6751	3997894.1476	5.68	13.62	14.590	137.4707	N20° 43' 14.76"E

[Handwritten Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Handwritten Signature]



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN: IMRAN TARIQ			DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG, 2024	
			APPROVED: ADEEL YOUNIS	DWG NO: CEC/RRDP/RRDN/CHT-9/ HCD-01					

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C321	11+698.47	228401.8640	3997906.5768	11+690.51	228407.7814	3997901.2514	11+706.14	228398.9999	3997914.0046	33.25	15.63	7.961	26.9284	N34° 33' 01.35"W
C322	11+721.41	228393.5062	3997928.2521	11+711.17	228397.1915	3997918.6945	11+723.39	228403.5937	3997926.4713	5.78	12.22	10.244	121.0978	N39° 27' 45.85"E
C323	11+738.96	228418.9237	3997923.7650	11+734.08	228414.1203	3997924.6130	11+743.78	228423.3159	3997921.6437	35.22	9.69	4.878	15.7681	S72° 06' 15.64"E
C324	11+757.95	228436.0781	3997915.4798	11+753.38	228431.9610	3997917.4682	11+761.49	228439.5692	3997918.4321	7.04	8.11	4.572	65.9997	N82° 46' 47.45"E
C325	11+769.85	228445.9549	3997923.8323	11+766.50	228443.4006	3997921.6722	11+773.09	228449.1717	3997924.7502	15.54	6.59	3.345	24.2930	N61° 55' 35.44"E
C326	11+804.74	228479.6058	3997933.4351	11+797.11	228472.2615	3997931.3393	11+812.21	228487.2107	3997932.7306	40.77	15.10	7.637	21.2200	N84° 40' 58.93"E
C327	11+858.80	228533.6081	3997928.4321	11+845.84	228520.6977	3997929.6281	11+859.20	228525.9167	3997938.8700	5.82	13.37	12.966	131.6787	N29° 27' 13.34"E
C328	11+871.62	228518.5505	3997948.8665	11+865.75	228522.0315	3997944.1425	11+877.34	228517.1298	3997954.5599	29.67	11.59	5.868	22.3748	N25° 11' 53.63"W
C329	11+905.20	228510.3853	3997981.5889	11+895.67	228512.6916	3997972.3464	11+907.84	228519.7344	3997979.7624	6.06	12.17	9.526	115.0655	N43° 31' 18.99"E
C330	11+925.54	228537.1041	3997976.3688	11+916.71	228528.4342	3997978.0627	11+933.69	228544.9154	3997980.4942	25.02	16.98	8.834	38.8940	N81° 36' 27.69"E
C331	11+946.86	228556.5583	3997986.6430	11+938.99	228549.6020	3997982.9692	11+953.94	228564.1138	3997984.4517	19.46	14.95	7.867	44.0128	N84° 10' 01.52"E
C332	11+999.23	228607.6067	3997971.8376	11+989.48	228598.2467	3997974.5523	12+008.35	228616.8097	3997975.0444	30.55	18.87	9.746	35.3840	N88° 28' 53.40"E
C333	12+022.61	228630.2772	3997979.7370	12+017.53	228625.4733	3997978.0631	12+026.48	228633.6288	3997975.9099	7.54	8.95	5.087	67.9997	S75° 12' 38.28"E
C334	12+038.06	228641.2587	3997967.1977	12+033.79	228638.4459	3997970.4095	12+042.25	228644.9675	3997965.0830	25.38	8.46	4.269	19.0973	S50° 45' 33.95"E
C335	12+051.72	228653.1969	3997960.3905	12+048.80	228650.6618	3997961.8360	12+054.60	228655.2052	3997958.2732	19.73	5.79	2.918	16.8231	S51° 53' 47.53"E
C336	12+066.76	228663.5769	3997949.4465	12+063.19	228661.1165	3997952.0406	12+070.22	228666.9091	3997948.1503	15.96	7.03	3.575	25.2590	S56° 06' 52.17"E
C337	12+077.09	228673.3091	3997945.6607	12+074.95	228671.3118	3997946.4377	12+079.21	228675.0867	3997944.4639	19.26	4.27	2.143	12.6951	S62° 23' 47.27"E
C338	12+085.44	228680.2492	3997940.9882	12+082.73	228678.0072	3997942.4977	12+088.00	228682.9501	3997940.8863	9.49	5.27	2.703	31.7912	S71° 56' 40.26"E
C339	12+102.84	228697.7741	3997940.3272	12+098.48	228693.4227	3997940.4913	12+107.16	228701.9856	3997939.2208	39.57	8.67	4.354	12.5601	S81° 33' 36.15"E
C340	12+115.37	228709.9281	3997937.1341	12+111.96	228706.6282	3997938.0011	12+118.73	228713.3391	3997937.2122	24.23	6.78	3.412	16.0303	S83° 17' 42.38"E
C341	12+138.93	228733.5267	3997937.6739	12+133.10	228727.7026	3997937.5407	12+143.84	228736.9769	3997932.9798	11.19	10.74	5.826	54.9948	S63° 48' 46.21"E
C342	12+155.46	228743.8561	3997923.6201	12+152.25	228741.9570	3997926.2040	12+158.63	228746.3303	3997921.5801	25.78	6.38	3.207	14.1790	S43° 24' 17.77"E
C343	12+185.39	228766.9722	3997904.5609	12+175.40	228759.2625	3997910.9175	12+194.29	228776.8989	3997905.7035	23.50	18.90	9.992	46.0716	S73° 31' 48.82"E
C344	12+205.89	228788.4226	3997907.0299	12+200.49	228783.0567	3997906.4123	12+210.43	228791.9632	3997902.9509	10.24	9.94	5.401	55.6071	S68° 45' 44.93"E
C345	12+226.52	228802.5103	3997890.8004	12+220.22	228798.3797	3997895.5590	12+232.72	228807.9224	3997887.5732	39.26	12.50	6.301	18.2343	S50° 04' 33.95"E
C346	12+245.62	228819.0056	3997880.9645	12+241.71	228815.6465	3997882.9675	12+249.50	228821.8915	3997878.3250	38.37	7.79	3.911	11.6399	S53° 22' 23.91"E
C347	12+255.37	228826.2204	3997874.3658	12+253.02	228824.4889	3997875.9495	12+257.59	228828.5356	3997873.9833	7.91	4.56	2.347	33.0662	S64° 05' 11.24"E
C348	12+272.24	228842.9927	3997871.5950	12+266.38	228837.2099	3997872.5503	12+274.68	228840.6483	3997866.2231	4.56	8.30	5.861	104.1968	S28° 31' 16.08"E
C349	12+291.02	228834.1091	3997851.2392	12+284.48	228836.7248	3997857.2328	12+297.45	228833.5404	3997844.7246	39.96	12.96	6.539	18.5880	S14° 16' 59.77"W
C350	12+307.65	228832.6528	3997834.5578	12+301.02	228833.2299	3997841.1680	12+312.78	228838.4714	3997831.3685	10.17	11.76	6.635	66.2614	S28° 08' 29.14"E
C351	12+332.60	228855.8548	3997821.8404	12+328.27	228852.0572	3997823.9220	12+336.90	228859.9894	3997820.5519	43.32	8.63	4.331	11.4180	S66° 58' 52.07"E
C352	12+347.14	228869.7643	3997817.5055	12+343.89	228866.6615	3997818.4725	12+350.26	228872.0607	3997815.2056	13.17	6.37	3.250	27.7334	S58° 49' 24.46"E
C353	12+401.49	228908.2559	3997778.9557	12+358.77	228878.0715	3997809.1857	12+371.03	228884.4703	3997814.4409	4.16	12.26	42.719	168.8770	N50° 36' 16.96"E
C354	12+386.20	228876.0225	3997827.0440	12+380.54	228879.1751	3997822.3407	12+391.86	228873.3129	3997832.0156	123.68	11.32	5.662	5.2425	N31° 12' 45.29"W
C355	12+406.33	228866.3843	3997844.7282	12+398.74	228870.0171	3997838.0627	12+412.57	228870.1981	3997851.2918	13.49	13.83	7.591	58.7505	N0° 47' 02.00"E
C356	12+441.81	228884.8852	3997876.5682	12+436.34	228882.1370	3997871.8386	12+447.27	228887.3708	3997881.4410	200.00	10.94	5.470	3.1333	N28° 35' 32.86"E
C357	12+475.81	228900.3363	3997906.8590	12+468.73	228897.1211	3997900.5558	12+482.62	228906.0694	3997911.0063	29.37	13.89	7.076	27.0920	N40° 34' 18.45"E
C358	12+489.82	228911.9081	3997915.2301	12+486.01	228908.8173	3997912.9942	12+493.52	228913.7919	3997918.5472	17.55	7.51	3.815	24.5258	N41° 51' 17.58"E
C359	12+557.95	228945.6081	3997974.5721	12+499.56	228916.7747	3997923.7996	12+513.78	228925.4060	3997919.7899	4.77	14.22	58.388	170.6505	S65° 04' 58.05"E
C360	12+530.41	228919.6526	3997904.1882	12+524.16	228921.8161	3997910.0549	12+536.26	228921.2984	3997898.1558	19.53	12.10	6.253	35.5030	S2° 29' 27.42"W



Project Director (PIU)
Provincial Roads Improvement
C&W Department Peshawar



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-8 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S DATE: AUG, 2024	HORIZONTAL CURVE DATA
		a			DRAWN	IRAN TARIO				
		b			CHECKED	SHAHZAD DURRANI				
			APPROVED	AQEEL YOUNIS						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C361	12+559.78	228927.4885	3997875.4673	12+555.62	228926.3939	3997879.4792	12+563.93	228928.9481	3997871.5732	90.07	8.31	4.159	5.2870	S17° 54' 14.62"E
C362	12+578.94	228934.2161	3997857.5191	12+573.40	228932.2700	3997862.7109	12+584.35	228937.9378	3997853.4093	29.04	10.96	5.545	21.6150	S31° 21' 18.35"E
C363	12+607.10	228953.2069	3997836.5476	12+587.75	228940.2171	3997850.8922	12+603.51	228951.0886	3997855.7834	6.27	15.76	19.352	144.1218	N65° 46' 35.34"E
C364	12+614.38	228949.8988	3997866.5876	12+610.58	228950.3148	3997862.8094	12+618.12	228950.6672	3997870.3101	24.07	7.54	3.801	17.9487	N2° 41' 23.80"E
C365	12+642.04	228955.5037	3997893.7378	12+638.05	228954.6967	3997889.8287	12+645.95	228957.6055	3997897.1311	22.51	7.90	3.992	20.1103	N21° 43' 10.05"E
C366	12+666.85	228968.6102	3997914.8974	12+660.08	228965.0470	3997909.1448	12+673.51	228970.2749	3997921.4562	43.88	13.43	6.767	17.5327	N23° 00' 29.71"E
C367	12+696.37	228975.8993	3997943.6154	12+691.26	228974.6423	3997938.6629	12+701.43	228975.9834	3997948.7242	43.83	10.17	5.110	13.2988	N7° 35' 33.07"E
C368	12+792.06	228977.4751	3998039.3367	12+718.17	228976.2589	3997965.4595	12+732.46	228985.7142	3997965.9102	4.74	14.29	73.887	172.6546	N87° 16' 13.56"E
C369	12+738.74	228986.4139	3997959.6743	12+734.97	228985.9939	3997963.4179	12+742.43	228988.1101	3997956.3108	20.98	7.45	3.767	20.3596	S16° 34' 55.49"E
C370	12+755.14	228993.8334	3997944.9620	12+752.24	228992.5316	3997947.5433	12+758.02	228994.9751	3997942.3061	94.63	5.78	2.891	3.4996	S25° 00' 43.54"E
C371	12+769.93	228999.6756	3997931.3720	12+764.92	228997.6999	3997935.9677	12+774.91	229002.3578	3997927.1494	62.43	9.98	5.002	9.1621	S27° 50' 36.10"E
C372	12+786.26	229008.4448	3997917.5669	12+778.43	229004.2445	3997924.1793	12+794.05	229011.4564	3997910.3354	91.24	15.63	7.834	9.8146	S27° 31' 01.66"E
C373	12+813.70	229019.0080	3997892.2026	12+807.82	229016.7503	3997897.6238	12+819.35	229023.4745	3997888.3897	24.55	11.53	5.873	26.9038	S36° 03' 42.18"E
C374	12+869.16	229061.3559	3997856.0515	12+829.35	229031.0762	3997881.9004	12+843.08	229037.9678	3997888.2699	4.73	13.73	39.812	166.4631	N47° 15' 17.41"E
C375	12+854.64	229031.1726	3997897.6307	12+848.29	229034.9078	3997892.4852	12+860.80	229029.9285	3997903.8662	29.05	12.52	6.358	24.6934	N23° 37' 48.21"W
C376	12+887.39	229024.7259	3997929.9421	12+878.66	229026.4354	3997921.3737	12+895.74	229027.4596	3997938.2407	33.17	17.09	8.737	29.5163	N3° 28' 29.24"E
C377	12+947.73	229043.7257	3997987.6185	12+942.81	229042.1862	3997982.9453	12+952.36	229042.3959	3997992.3556	16.14	9.55	4.920	33.9127	N1° 16' 35.85"E
C378	12+961.56	229039.9097	3998001.2126	12+955.54	229041.5363	3997995.4181	12+965.63	229045.2649	3998003.9593	7.36	10.09	6.019	78.5262	N23° 35' 00.27"E
C379	12+976.44	229054.8779	3998008.8899	12+971.23	229050.2431	3998006.5126	12+981.32	229057.3233	3998013.4891	16.60	10.09	5.209	34.8472	N45° 25' 22.60"E
C380	12+999.38	229065.7991	3998029.4302	12+991.64	229062.1647	3998022.5948	13+005.38	229061.0510	3998035.5447	11.96	13.74	7.742	65.8293	N4° 54' 54.99"W
C381	13+036.42	229042.0104	3998060.0653	13+029.28	229046.3896	3998054.4257	13+043.34	229035.6866	3998063.3808	32.88	14.06	7.140	24.5022	N50° 04' 51.67"W
C382	13+076.55	229006.2814	3998078.7979	13+063.50	229017.8341	3998072.7409	13+078.59	229017.7183	3998085.0707	7.00	15.09	13.044	123.5883	N0° 32' 16.64"W
C383	13+097.89	229034.6368	3998094.3502	13+096.00	229032.9831	3998093.4431	13+099.77	229036.2653	3998095.3017	139.03	3.77	1.886	1.5545	N60° 28' 44.27"E
C384	13+142.15	229072.8553	3998116.6817	13+132.40	229064.4344	3998111.7612	13+151.73	229082.4137	3998118.6206	58.81	19.33	9.753	18.8316	N69° 07' 03.12"E
C385	13+173.96	229104.1948	3998123.0388	13+165.62	229096.0242	3998121.3814	13+181.87	229110.2987	3998128.7176	29.59	16.25	8.337	31.4675	N62° 47' 58.62"E
C386	13+193.50	229118.8116	3998136.6378	13+187.13	229114.1486	3998132.2995	13+199.77	229124.5681	3998139.3632	41.14	12.64	6.369	17.5993	N55° 51' 55.90"E
C387	13+210.75	229134.4904	3998144.0608	13+204.27	229128.6404	3998141.2912	13+215.68	229134.1566	3998150.5247	9.66	11.41	6.473	67.6217	N30° 51' 15.58"E
C388	13+224.39	229133.7074	3998159.2214	13+219.93	229133.9372	3998154.7723	13+228.67	229131.4701	3998163.0738	18.42	8.74	4.455	27.1903	N16° 33' 05.92"W
C389	13+251.33	229120.0910	3998182.6668	13+241.62	229124.9686	3998174.2683	13+255.97	229129.1371	3998186.2013	8.32	14.35	9.712	98.8047	N19° 15' 20.11"E
C390	13+287.61	229158.6080	3998197.7165	13+281.10	229152.5373	3998195.3445	13+293.76	229164.9780	3998196.3369	21.61	12.66	6.518	33.5623	N85° 26' 20.65"E
C391	13+333.21	229203.5345	3998187.9865	13+299.32	229170.4161	3998195.1591	13+317.52	229175.5300	3998207.0659	6.60	18.20	33.886	157.9537	N23° 14' 36.01"E
C392	13+350.30	229148.4373	3998225.5240	13+340.45	229156.5798	3998219.9766	13+359.13	229138.7604	3998223.6714	23.73	18.68	9.853	45.1049	N78° 17' 09.43"W
C393	13+499.17	229001.2193	3998197.3385	13+426.41	229072.6791	3998211.0198	13+442.97	229069.7830	3998221.6837	5.54	16.57	72.758	171.2897	N15° 11' 36.67"W
C394	13+454.67	229080.8007	3998225.5958	13+449.64	229076.0651	3998223.9143	13+459.60	229084.7583	3998228.6929	30.86	9.96	5.025	18.4974	N61° 12' 09.54"E
C395	13+489.89	229108.6061	3998247.3557	13+484.20	229104.1262	3998243.8499	13+495.57	229112.8794	3998251.1106	200.00	11.37	5.689	3.2584	N50° 19' 29.06"E
C396	13+537.74	229144.5574	3998278.9448	13+527.35	229136.7530	3998272.0873	13+548.06	229150.8520	3998287.2099	104.06	20.71	10.389	11.4031	N42° 59' 38.20"E
C397	13+599.82	229182.2104	3998328.3850	13+575.36	229167.3919	3998308.9276	13+612.84	229200.6548	3998312.3232	22.90	37.48	24.458	93.7579	N84° 10' 16.70"E
C398	13+642.79	229223.2427	3998292.6530	13+636.48	229218.4810	3998296.7996	13+649.07	229228.6648	3998289.4176	70.57	12.59	6.314	10.2261	S54° 03' 46.07"E
C399	13+699.28	229271.7770	3998263.6930	13+695.47	229268.5063	3998265.6446	13+702.97	229273.9543	3998260.5679	17.68	7.50	3.809	24.3099	S47° 01' 15.14"E
C400	13+720.34	229283.8856	3998246.3137	13+714.43	229280.5054	3998251.1652	13+723.11	229288.1006	3998250.4605	4.99	8.68	5.913	99.6669	S84° 41' 57.79"E

*Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.*

[Handwritten Signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN	IMRAN TARIQ			DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG. 2024	
			APPROVED	AQEEB YOUSUF						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C401	13+728.41	229291.8766	3998254.1755	13+723.19	229288.1579	3998250.5170	13+731.35	229288.1697	3998257.8460	5.15	8.16	5.217	90.7493	N0° 05' 33.03"E
C402	13+743.27	229279.6988	3998266.2340	13+736.74	229284.3392	3998261.6390	13+749.80	229275.1591	3998270.9287	601.81	13.06	6.531	1.2434	N44° 39' 37.47"W
C403	13+773.03	229259.0070	3998287.6320	13+768.64	229262.0612	3998284.4735	13+777.38	229256.8099	3998291.4369	35.69	8.74	4.394	14.0355	N37° 01' 15.41"W
C404	13+791.32	229249.8408	3998303.5064	13+786.52	229252.2397	3998299.3518	13+796.11	229247.0253	3998307.3908	92.61	9.59	4.797	5.9310	N32° 58' 07.37"W
C405	13+862.25	229208.2080	3998360.9475	13+848.75	229216.1331	3998350.0131	13+874.41	229194.9084	3998363.2902	33.36	25.66	13.504	44.0756	N57° 58' 19.24"W
C406	13+923.63	229146.4364	3998371.8286	13+909.60	229160.2543	3998369.3945	13+937.24	229132.8462	3998368.3403	64.93	27.64	14.031	24.3859	S87° 47' 50.15"W
C407	13+945.49	229124.8504	3998366.2880	13+940.05	229130.1209	3998367.6408	13+950.82	229120.3766	3998363.1905	30.39	10.77	5.441	20.3020	S65° 27' 11.90"W
C408	14+001.84	229078.4284	3998334.1466	13+986.28	229091.2254	3998343.0069	14+016.35	229062.8702	3998334.6083	47.34	30.08	15.565	36.3974	S73° 30' 03.51"W
C409	14+041.95	229037.2883	3998335.3674	14+034.80	229044.4316	3998335.1554	14+049.02	229030.2957	3998333.8924	59.88	14.23	7.146	13.6106	S84° 53' 39.64"W
C410	14+079.89	229000.0951	3998327.5221	14+072.35	229007.4756	3998329.0789	14+087.34	228992.5675	3998328.0023	55.20	14.99	7.543	15.5612	S85° 52' 10.65"W
C411	14+113.25	228966.7068	3998329.6521	14+107.88	228972.0712	3998329.3099	14+118.39	228962.2030	3998332.5862	20.47	10.51	5.375	29.4324	N71° 38' 00.93"W
C412	14+153.44	228932.8388	3998351.7157	14+145.37	228939.6001	3998347.3110	14+161.47	228925.4444	3998354.9469	97.33	16.10	8.070	9.4787	N61° 39' 24.27"W
C413	14+182.22	228906.4283	3998363.2564	14+173.44	228914.4748	3998359.7402	14+190.72	228900.6527	3998369.8709	39.17	17.28	8.781	25.2700	N53° 45' 39.84"W
C414	14+225.31	228877.9006	3998395.9282	14+210.70	228887.5120	3998384.9206	14+238.97	228863.6732	3998399.2637	45.41	28.28	14.613	35.6798	N58° 57' 57.51"W
C415	14+278.42	228825.2686	3998408.2673	14+256.56	228846.5523	3998403.2775	14+298.40	228805.9166	3998398.0989	58.60	41.85	21.861	40.9136	S82° 44' 14.34"W
C416	14+347.28	228762.6510	3998375.3652	14+331.81	228776.3440	3998382.5601	14+360.64	228748.4900	3998381.5885	32.11	28.83	15.468	51.4435	S88° 00' 08.23"W
C417	14+416.43	228697.4185	3998404.0329	14+379.94	228730.8264	3998389.3511	14+401.70	228733.9031	3998404.7488	8.04	21.77	36.492	155.1519	N11° 18' 00.04"E
C418	14+484.75	228816.9292	3998406.3778	14+425.08	228757.2736	3998405.2073	14+446.04	228758.7193	3998419.4836	7.23	20.96	59.667	166.1875	N5° 46' 55.91"E
C419	14+482.98	228722.6839	3998427.5969	14+472.25	228733.1512	3998425.2402	14+493.71	228712.2914	3998430.2642	720.58	21.46	10.729	1.7061	N76° 27' 30.63"W
C420	14+523.18	228683.7461	3998437.5905	14+517.85	228688.9084	3998436.2655	14+527.86	228681.3327	3998442.3423	11.78	10.01	5.330	48.6801	N51° 15' 55.39"W
C421	14+534.06	228678.5258	3998447.8690	14+528.83	228680.8919	3998443.2102	14+538.87	228673.7410	3998449.9688	14.60	10.04	5.225	39.3803	N46° 36' 55.69"W
C422	14+581.85	228634.3810	3998467.2420	14+567.39	228647.6255	3998461.4297	14+596.16	228620.0995	3998469.5304	112.98	28.77	14.464	14.5910	N73° 36' 04.06"W
C423	14+630.09	228586.5961	3998474.8988	14+621.34	228595.2388	3998473.5140	14+638.52	228578.2578	3998472.2366	36.73	17.19	8.753	26.8104	S85° 41' 53.36"W
C424	14+646.70	228570.4652	3998469.7486	14+642.26	228574.6937	3998471.0987	14+651.11	228566.0580	3998469.2193	46.70	8.85	4.439	10.8588	S77° 43' 20.48"W
C425	14+677.54	228539.8169	3998466.0679	14+667.33	228549.9560	3998467.2855	14+687.35	228530.2866	3998469.7363	41.11	20.02	10.212	27.9010	N62° 53' 51.85"W
C426	14+722.02	228497.9353	3998482.1890	14+710.84	228508.3645	3998478.1746	14+732.95	228486.7604	3998482.2594	61.21	22.11	11.175	20.6916	N79° 17' 34.83"W
C427	14+759.85	228459.8568	3998482.4290	14+752.48	228467.2310	3998482.3826	14+767.14	228452.7641	3998484.4479	54.09	14.66	7.374	15.5270	N81° 52' 31.03"W
C428	14+793.34	228427.5628	3998491.6211	14+783.34	228437.1796	3998488.8838	14+803.20	228417.5642	3998491.5528	69.91	19.86	9.999	16.2791	N82° 15' 04.79"W
C429	14+851.06	228369.7038	3998491.2263	14+841.68	228379.0830	3998491.2903	14+860.16	228361.1438	3998495.0603	43.17	18.47	9.379	24.5185	N78° 07' 53.92"W
C430	14+872.89	228349.5259	3998500.2640	14+867.26	228354.6621	3998497.9635	14+878.44	228343.9604	3998501.1001	41.13	11.19	5.628	15.5839	N73° 39' 51.61"W
C431	14+890.15	228332.3869	3998502.8388	14+885.27	228337.2092	3998502.1144	14+894.92	228328.1175	3998505.1952	27.17	9.65	4.876	20.3515	N71° 16' 49.84"W
C432	14+915.76	228309.8709	3998515.2659	14+907.76	228316.8774	3998511.3988	14+923.67	228302.1051	3998517.1990	61.13	15.92	8.003	14.9171	N68° 33' 47.84"W
C433	14+935.68	228290.4564	3998520.0986	14+931.04	228294.9621	3998518.9770	14+940.07	228287.2676	3998523.4737	15.85	9.03	4.643	32.6479	N59° 41' 52.25"W
C434	14+964.26	228270.6553	3998541.0568	14+955.37	228276.7563	3998534.5992	14+972.03	228261.7820	3998540.6221	19.30	16.65	8.884	49.4307	N68° 05' 21.21"W
C435	15+016.02	228217.8377	3998538.4694	15+011.56	228222.2974	3998538.6878	15+020.48	228213.3758	3998538.6372	103.11	8.92	4.465	4.9590	S89° 40' 29.69"W
C436	15+043.19	228190.6875	3998539.4907	15+035.00	228198.8722	3998539.1828	15+051.15	228183.0422	3998536.5525	39.94	16.16	8.190	23.1767	S80° 33' 57.76"W
C437	15+068.94	228166.4424	3998530.1731	15+062.14	228172.7914	3998532.6131	15+074.77	228160.6472	3998533.7339	13.77	12.63	6.802	52.5906	N84° 43' 37.22"W
C438	15+095.39	228143.0789	3998544.5286	15+090.24	228147.4677	3998541.8319	15+100.36	228137.9485	3998544.9902	21.94	10.12	5.151	26.4273	N71° 38' 43.23"W
C439	15+109.89	228128.4579	3998545.8440	15+105.11	228133.2115	3998545.4164	15+114.29	228125.0386	3998549.1739	13.44	9.17	4.773	39.0999	N65° 18' 32.52"W
C440	15+145.80	228102.4591	3998571.1629	15+141.64	228105.4430	3998568.2570	15+149.90	228098.7388	3998573.0355	27.03	8.27	4.165	17.5224	N54° 31' 12.93"W

[Handwritten Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Handwritten Signature]



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. SRS15-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	HORIZONTAL CURVE DATA
		e			DRAWN: IMRAN TARIO			DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG. 2024	
			APPROVED: AQEEL YOUNIS	DWG NO: CEC/RWKP-RRDM-CHT-9/ HCD-11					




Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C441	15+156.72	228092.6496	3998576.1006	15+154.54	228094.5953	3998575.1212	15+158.89	228090.8351	3998577.3060	36.25	4.35	2.178	6.8786	N59° 50' 31.70"W
C442	15+177.30	228075.5028	3998587.4916	15+171.79	228080.0962	3998584.4401	15+182.50	228073.3772	3998592.5801	18.19	10.71	5.515	33.7305	N39° 32' 15.32"W
C443	15+232.53	228054.0904	3998638.7493	15+224.13	228057.3292	3998630.9960	15+240.57	228055.0410	3998647.0979	32.30	16.44	8.403	29.1681	N8° 05' 17.88"W
C444	15+267.73	228058.1140	3998674.0876	15+259.20	228057.1483	3998665.6064	15+276.11	228056.2816	3998682.4246	51.31	16.92	8.536	18.8914	N2° 56' 59.94"W
C445	15+334.90	228043.6624	3998739.8408	15+324.99	228045.7906	3998730.1577	15+339.94	228034.2552	3998736.7107	8.93	14.96	9.914	96.0084	N60° 23' 59.64"W
C446	15+359.82	228015.3901	3998730.4336	15+352.28	228022.5534	3998732.8171	15+365.99	228009.6968	3998735.3915	13.22	13.72	7.549	59.4540	N78° 40' 37.53"W
C447	15+399.77	227984.2290	3998757.5693	15+394.68	227988.0644	3998754.2294	15+404.69	227982.1537	3998762.2123	23.07	10.01	5.086	24.8664	N36° 31' 00.81"W
C448	15+420.46	227975.7170	3998776.6126	15+415.84	227977.6040	3998772.3911	15+424.85	227971.8973	3998779.2187	16.33	9.01	4.624	31.6128	N39° 53' 24.29"W
C449	15+453.56	227948.1867	3998795.3950	15+443.40	227956.5748	3998789.6723	15+462.56	227938.2795	3998793.1688	23.37	19.16	10.154	46.9682	N79° 10' 50.03"W
C450	15+485.96	227915.4523	3998788.0392	15+477.50	227923.6991	3998789.8924	15+494.33	227907.8450	3998784.3551	73.19	16.83	8.452	13.1760	S70° 44' 50.47"W
C451	15+544.88	227862.3496	3998762.3219	15+524.70	227880.5189	3998771.1212	15+558.91	227849.5201	3998777.9089	25.66	34.21	20.188	76.3832	N77° 38' 56.60"W
C452	15+586.39	227832.0532	3998799.1301	15+580.15	227836.0190	3998794.3119	15+592.26	227826.0608	3998800.8720	20.20	12.11	6.240	34.3335	N56° 37' 27.26"W
C453	15+623.05	227796.4963	3998809.4664	15+617.86	227801.4791	3998808.0179	15+628.22	227791.3780	3998810.3206	88.21	10.37	5.189	6.7334	N77° 09' 27.68"W
C454	15+642.92	227776.8839	3998812.7398	15+639.65	227780.1105	3998812.2012	15+646.17	227773.8075	3998813.8517	35.96	6.52	3.271	10.3956	N75° 19' 35.62"W
C455	15+669.60	227751.7693	3998821.8169	15+663.92	227757.1171	3998819.8840	15+674.88	227746.3554	3998820.0779	16.67	10.96	5.686	37.6786	N88° 58' 04.90"W
C456	15+695.39	227726.8216	3998813.8035	15+692.15	227729.9107	3998814.7958	15+698.63	227723.6340	3998813.1990	52.53	6.48	3.244	7.0680	S75° 43' 36.16"W
C457	15+708.39	227714.0413	3998811.3796	15+705.34	227717.0416	3998811.9486	15+711.38	227711.4409	3998809.7782	16.57	6.04	3.054	20.8872	S68° 49' 01.62"W
C458	15+726.01	227698.9831	3998802.1061	15+722.19	227702.2326	3998804.1073	15+728.79	227696.0827	3998804.5865	5.24	6.60	3.816	72.1633	N85° 32' 41.39"W
C459	15+739.27	227688.1174	3998811.3984	15+734.47	227691.7645	3998808.2794	15+743.83	227683.3802	3998812.1660	17.11	9.36	4.799	31.3320	N65° 07' 44.95"W
C460	15+752.30	227675.0163	3998813.5214	15+748.16	227679.1086	3998812.8583	15+756.33	227671.5237	3998815.7551	20.02	8.18	4.146	23.3969	N69° 05' 48.11"W
C461	15+765.62	227663.7013	3998820.7582	15+762.42	227666.3974	3998819.0338	15+768.66	227660.5026	3998820.8641	11.66	6.25	3.200	30.7055	N72° 45' 03.68"W
C462	15+783.76	227645.9104	3998824.1875	15+778.72	227650.6546	3998822.4783	15+788.67	227640.8778	3998823.8687	24.31	9.94	5.043	23.4385	N81° 54' 20.82"W
C463	15+797.22	227632.3369	3998823.3276	15+793.58	227635.9758	3998823.5582	15+800.83	227628.7584	3998824.0278	28.28	7.25	3.646	14.6958	N86° 16' 37.60"W
C464	15+822.38	227607.6055	3998828.1666	15+817.46	227612.4421	3998827.2203	15+827.27	227603.1046	3998830.1741	43.37	9.81	4.928	12.9661	N72° 26' 46.15"W
C465	15+841.26	227590.3309	3998835.8711	15+833.16	227597.7259	3998832.5730	15+847.60	227584.1807	3998830.6043	12.81	14.44	8.097	64.6128	S81° 43' 49.78"W
C466	15+858.40	227575.9804	3998823.5817	15+854.60	227578.8661	3998826.0530	15+862.14	227573.9807	3998820.3512	24.45	7.54	3.799	17.6675	S40° 35' 25.19"W
C467	15+878.57	227565.3336	3998806.3811	15+873.76	227567.8618	3998810.4656	15+883.32	227563.8986	3998801.7969	38.09	9.56	4.804	14.3751	S24° 34' 08.56"W
C468	15+899.89	227558.9487	3998785.9838	15+895.67	227560.2075	3998790.0054	15+903.99	227556.2468	3998782.7501	21.19	8.32	4.214	22.4985	S28° 37' 50.70"W
C469	15+920.62	227545.5860	3998769.9909	15+914.45	227549.5437	3998774.7277	15+926.20	227545.9535	3998763.8292	15.55	11.75	6.173	43.2938	S18° 13' 59.14"W
C470	15+943.03	227546.9558	3998747.0273	15+939.27	227546.7317	3998750.7840	15+946.79	227546.9350	3998743.2640	115.55	7.52	3.763	3.7309	S1° 32' 54.08"E
C471	15+980.91	227546.7462	3998709.1489	15+974.54	227546.7814	3998715.5159	15+987.27	227547.2926	3998702.8053	139.13	12.73	6.367	5.2404	S2° 18' 11.24"E
C472	15+997.04	227548.1317	3998693.0646	15+994.84	227547.9429	3998695.2559	15+999.24	227548.0661	3998690.8662	37.95	4.39	2.199	6.6330	S1° 36' 24.58"E
C473	16+046.44	227546.6578	3998643.6853	16+041.23	227546.8131	3998648.8884	16+051.48	227548.7037	3998638.8989	23.62	10.25	5.205	24.8535	S10° 43' 01.44"E
C474	16+076.39	227558.4946	3998615.9931	16+071.35	227556.5143	3998620.6261	16+081.34	227561.8923	3998612.2726	29.69	9.98	5.038	19.2606	S32° 46' 26.84"E
C475	16+105.79	227578.3818	3998594.2172	16+095.28	227571.2946	3998601.9775	16+113.55	227573.3714	3998584.9788	14.77	18.27	10.510	70.8776	S6° 57' 56.36"E
C476	16+143.64	227559.0261	3998558.5285	16+136.52	227562.4205	3998564.7872	16+150.75	227556.0853	3998552.0442	200.00	14.23	7.120	4.0777	S26° 26' 03.33"W
C477	16+168.51	227548.7499	3998535.8699	16+165.52	227549.9865	3998538.5967	16+171.50	227547.2950	3998533.2530	73.33	5.98	2.994	4.6764	S26° 44' 00.88"W
C478	16+184.15	227541.1479	3998522.1959	16+180.14	227543.0948	3998525.6979	16+188.15	227539.4641	3998518.5601	108.66	8.01	4.007	4.2235	S26° 57' 35.99"W
C479	16+216.95	227527.3650	3998492.4330	16+197.81	227535.4063	3998509.7974	16+231.85	227508.2292	3998492.4751	29.88	34.04	19.136	65.2779	S57° 29' 13.94"W
C480	16+246.24	227493.8393	3998492.5068	16+239.05	227501.0309	3998492.4910	16+253.42	227486.6746	3998491.8853	161.98	14.37	7.192	5.0843	S87° 35' 02.47"W


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.







CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)  MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S DATE: AUG, 2024.	HORIZONTAL CURVE DATA
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
			APPROVED	AQEEL YOUSUF						

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C481	16+264.22	227475.9141	3998490.9518	16+260.08	227480.0411	3998491.3098	16+268.35	227471.7782	3998491.1864	57.75	8.27	4.142	8.2054	S89° 08' 40.36"W
C482	16+287.11	227453.0476	3998492.2491	16+283.95	227456.2069	3998492.0699	16+290.25	227449.9259	3998491.7311	28.50	6.30	3.164	12.6692	S86° 54' 45.53"W
C483	16+312.63	227427.8467	3998488.0672	16+308.09	227432.3279	3998488.8108	16+317.08	227423.8930	3998485.8307	25.66	8.99	4.542	20.0742	S70° 32' 27.57"W
C484	16+332.64	227410.3538	3998478.1718	16+327.07	227415.1958	3998480.9108	16+338.12	227404.9203	3998476.9788	36.97	11.04	5.563	17.1129	S69° 03' 37.23"W
C485	16+358.61	227384.9018	3998472.5836	16+352.26	227391.1072	3998473.9461	16+364.89	227378.5571	3998472.9125	47.14	12.63	6.353	15.3503	S85° 17' 30.88"W
C486	16+396.81	227346.6798	3998474.5647	16+390.87	227352.6159	3998474.2570	16+402.57	227341.4260	3998477.3446	26.90	11.70	5.944	24.9165	N74° 34' 28.91"W
C487	16+411.70	227333.3498	3998481.6177	16+408.24	227336.4064	3998480.0004	16+415.09	227329.9268	3998482.1092	19.90	6.85	3.458	19.7126	N71° 58' 21.95"W
C488	16+426.33	227318.7995	3998483.7069	16+422.51	227322.5865	3998483.1631	16+430.06	227315.4997	3998485.6428	19.48	7.56	3.826	22.2271	N70° 42' 55.90"W
C489	16+438.76	227308.0022	3998490.0412	16+436.56	227309.8960	3998488.9301	16+440.94	227305.9633	3998490.8561	29.16	4.38	2.196	8.6120	N63° 54' 28.67"W
C490	16+452.14	227295.5622	3998495.0133	16+446.46	227300.8446	3998492.9020	16+457.56	227292.0804	3998499.5120	20.88	11.11	5.689	30.4753	N52° 58' 34.74"W
C491	16+504.76	227263.1921	3998536.8369	16+495.94	227268.5900	3998529.8625	16+513.17	227255.0165	3998540.1443	32.65	17.23	8.819	30.2359	N52° 51' 23.91"W
C492	16+526.80	227242.3781	3998545.2570	16+521.03	227247.7296	3998543.0921	16+532.39	227236.6158	3998544.9096	25.54	11.35	5.773	25.4761	N80° 42' 45.65"W
C493	16+557.56	227211.4872	3998543.3943	16+555.76	227213.2810	3998543.5025	16+559.36	227209.6957	3998543.2540	200.00	3.59	1.797	1.0296	S86° 02' 04.06"W
C494	16+574.25	227194.8425	3998542.0901	16+567.36	227201.7154	3998542.6286	16+580.77	227188.7754	3998545.3636	23.40	13.41	6.894	32.8294	N78° 03' 56.16"W
C495	16+611.76	227161.4985	3998560.0809	16+600.49	227171.4184	3998554.7286	16+620.42	227152.6778	3998553.0632	17.08	19.93	11.272	66.8550	S84° 55' 17.89"W
C496	16+635.53	227140.8551	3998543.6570	16+631.42	227144.0653	3998546.2110	16+639.61	227138.1375	3998540.5841	46.86	8.18	4.102	10.0061	S46° 29' 28.03"W
C497	16+657.43	227126.3318	3998527.2346	16+651.36	227130.3499	3998531.7781	16+663.37	227124.1372	3998521.5802	33.92	12.00	6.065	20.2755	S31° 21' 01.29"W
C498	16+682.01	227117.3910	3998504.1988	16+674.27	227120.1930	3998511.4181	16+687.26	227109.7540	3998505.4814	9.51	13.00	7.744	78.3210	S60° 22' 23.24"W
C499	16+698.26	227098.9088	3998507.3028	16+693.84	227103.2682	3998506.5707	16+702.63	227094.8803	3998509.1224	34.10	8.79	4.420	14.7738	N73° 04' 46.15"W
C500	16+709.11	227088.9737	3998511.7903	16+706.72	227091.1515	3998510.8066	16+711.49	227087.0511	3998513.2095	22.49	4.76	2.390	12.1278	N59° 37' 43.22"W
C501	16+728.58	227073.2982	3998523.3621	16+719.79	227080.3669	3998518.1439	16+733.04	227068.8595	3998515.7796	7.90	13.25	8.786	96.0913	S78° 23' 22.64"W
C502	16+745.35	227062.6413	3998505.1571	16+740.60	227065.0388	3998509.2527	16+750.08	227059.6608	3998501.4642	63.39	9.47	4.746	8.5625	S34° 37' 30.84"W
C503	16+768.09	227048.3499	3998487.4497	16+760.50	227053.1137	3998493.3522	16+775.20	227041.0711	3998485.3161	24.24	14.70	7.585	34.7566	S56° 17' 05.23"W
C504	16+787.77	227029.0149	3998481.7822	16+784.29	227032.3518	3998482.7603	16+791.22	227025.5438	3998481.5760	30.67	6.92	3.477	12.9366	S80° 07' 53.08"W
C505	16+805.36	227011.4253	3998480.7371	16+802.05	227014.7308	3998480.9335	16+808.64	227008.2715	3998479.7279	26.31	6.59	3.311	14.3446	S79° 25' 38.71"W
C506	16+816.62	227000.6698	3998477.2953	16+813.31	227003.8178	3998478.3027	16+819.89	226997.3739	3998477.0464	28.08	6.58	3.305	13.4266	S78° 58' 06.24"W
C507	16+850.01	226967.3407	3998474.7786	16+843.10	226974.2272	3998475.2986	16+856.73	226960.7912	3998476.9690	34.23	13.63	6.906	22.8106	N82° 54' 46.94"W
C508	16+878.58	226940.0680	3998483.8998	16+874.19	226944.2353	3998482.5061	16+882.64	226935.9423	3998482.3875	12.54	8.45	4.394	38.6226	S89° 10' 51.38"W
C509	16+897.05	226922.4117	3998477.4279	16+892.46	226926.7267	3998479.0095	16+901.51	226917.8275	3998477.7536	21.44	9.05	4.596	24.1944	S81° 58' 00.60"W
C510	16+936.14	226883.2834	3998480.2079	16+924.42	226894.9830	3998479.3767	16+947.72	226871.8120	3998477.7629	82.95	23.30	11.729	16.0959	S86° 00' 57.78"W
C511	16+981.11	226839.1566	3998470.8028	16+970.13	226849.8936	3998473.0912	16+992.01	226828.1793	3998470.6643	110.88	21.89	10.978	11.3091	S83° 37' 21.39"W
C512	17+017.11	226803.0849	3998470.3477	17+011.50	226808.7007	3998470.4185	17+022.69	226797.5800	3998469.2347	59.93	11.20	5.616	10.7068	S83° 55' 25.48"W
C513	17+037.60	226782.9697	3998466.2809	17+034.49	226786.0149	3998466.8965	17+040.70	226779.8692	3998466.0811	45.91	6.20	3.107	7.7427	S82° 26' 30.05"W
C514	17+054.71	226765.8881	3998465.1802	17+049.23	226771.3545	3998465.5324	17+060.15	226760.5954	3998463.7685	55.63	10.92	5.478	11.2468	S80° 41' 22.66"W
C515	17+083.36	226738.1738	3998457.7885	17+074.27	226746.9494	3998460.1290	17+091.81	226729.7381	3998461.1539	27.40	17.54	9.082	36.6834	N86° 35' 31.38"W

Project Director
Provincial Roads Improvement
C&W Department

 <p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	 <p>MINCONSULT SDN BHD (COMPANY NO. S885-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL				
		a			DRAWN	IRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
					APPROVED	AQHEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S. AUG. 2024	HORIZONTAL CURVE DATA DWG NO: CEC/RWKP-RRDN-CHT-9/ HCD-13

LIST OF CULVERTS & CAUSEWAYS




Project Director (PIU)
Provincial Road Improvement Project



EXISTING CULVERT, BRIDGES & CAUSEWAY

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Peshawar.

S. No.	Location (Km)	Type of Structure	Existing Structures		Proposed / Recommended					Remarks	
			No of Cells / Spans	Size (W x H) (m)	Replaced			New			
					No. of Cells	Type	Size W x H (m)	No. of Cells	Type		Size W x H (m)
1	1+275								BRIDGE	30m	PROPOSED
2	1+525	BRIDGE		54m		BRIDGE	60M				REPLACED
3	1+625								SLAB CULVERT	1.5X1.5	PROPOSED
4	2+000								SLAB CULVERT	2X2	PROPOSED
5	2+250								SLAB CULVERT	2X2	PROPOSED
6	2+400								SLAB CULVERT	2X2	PROPOSED
7	2+513								SLAB CULVERT	1.5X1.5	PROPOSED
8	2+750								SLAB CULVERT	1.5X1.5	PROPOSED
9	2+911								SLAB CULVERT	2X2	PROPOSED
10	4+150								SLAB CULVERT	2X2	PROPOSED
11	4+325								SLAB CULVERT	2X2	PROPOSED
12	4+725								SLAB CULVERT	2X2	PROPOSED
13	5+850								BRIDGE	30m	PROPOSED
14	6+075								SLAB CULVERT	2X2	PROPOSED
15	6+372								SLAB CULVERT	1.5X1.5	PROPOSED
16	7+450								SLAB CULVERT	1.5X1.5	PROPOSED
17	7+550								SLAB CULVERT	1.5X1.5	PROPOSED
18	8+000-8+030								CAUSEWAY	30m	PROPOSED
19	8+355						2		SLAB CULVERT	3X3	PROPOSED
20	9+116								SLAB CULVERT	3X3	PROPOSED
21	10+161								BRIDGE	40m	PROPOSED
22	10+780						2		SLAB CULVERT	3X3	PROPOSED
23	13+756								SLAB CULVERT	3X2	PROPOSED
24	14+266								SLAB CULVERT	2.5X2.5	PROPOSED
25	14+355								SLAB CULVERT	2.5X2.5	PROPOSED
26	14+770								SLAB CULVERT	3X3	PROPOSED
27	15+305-15+325								CAUSEWAY	20m	PROPOSED
28	15+400								SLAB CULVERT	2.5X2.5	PROPOSED
29	15+980								SLAB CULVERT	2.5X2.5	PROPOSED

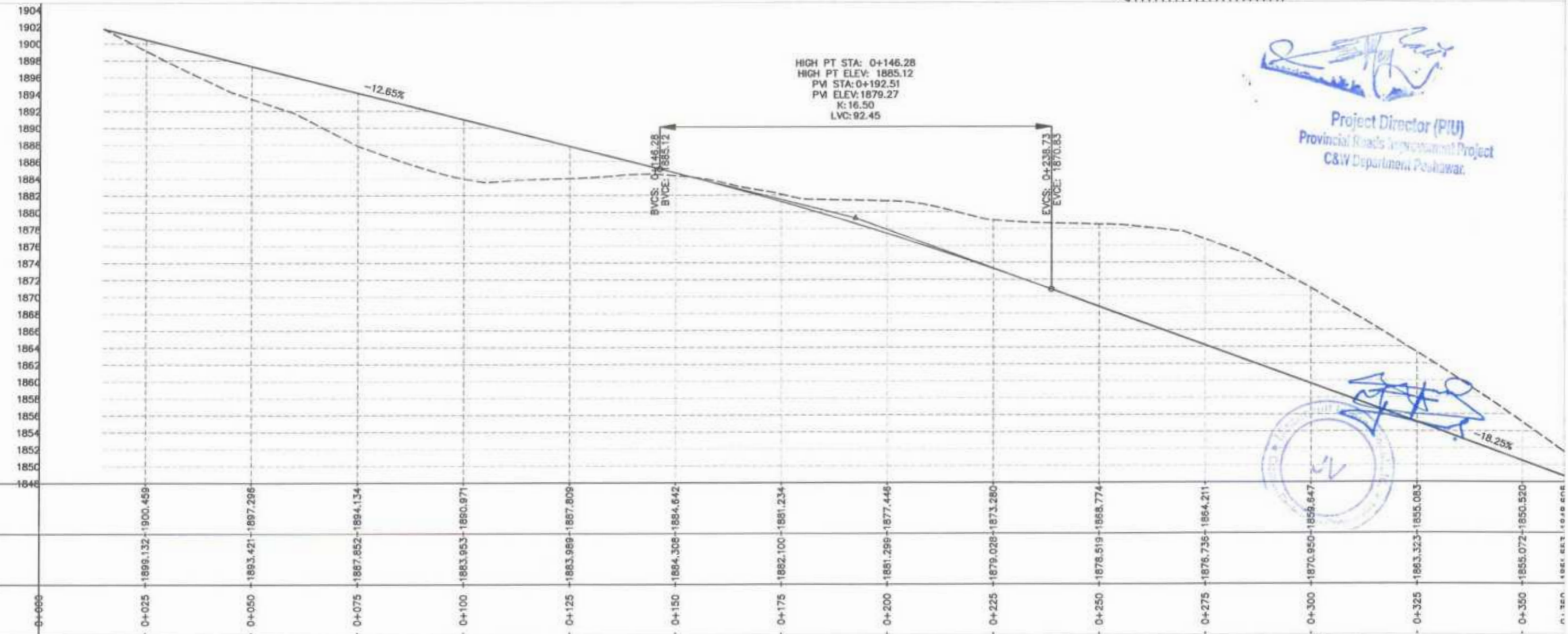
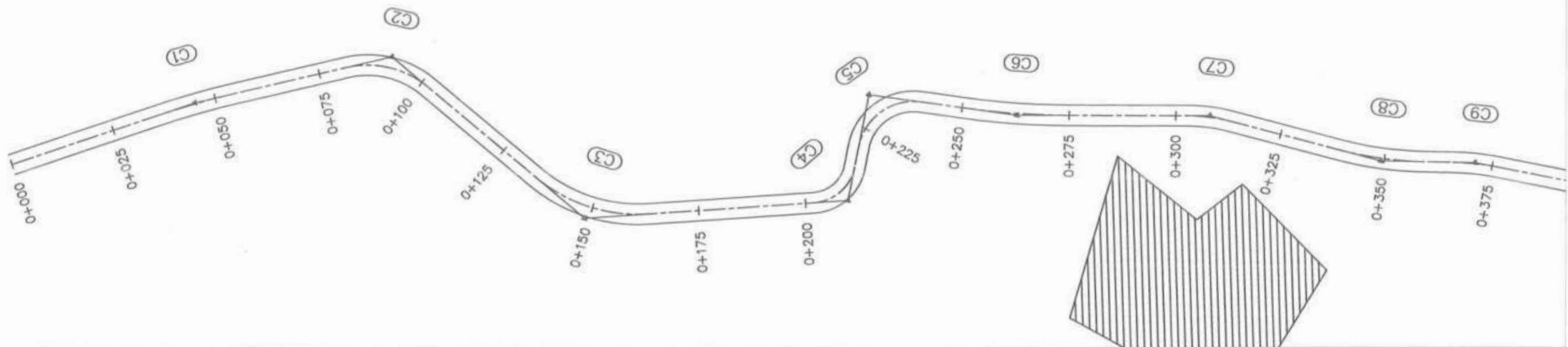
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM ROAD	N.T.S	CULVERTS LIST DWG NO: CEC/HRKP/RRDP/N-CHT-9/ CVT-01
		a			DRAWN	IBRAN TARIQ			
		b			CHECKED	SHAHZAD DURRANI			
		c			APPROVED	AGEEL YOUNIS			
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	AUG, 2024		


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

PLAN & PROFILE DRAWINGS



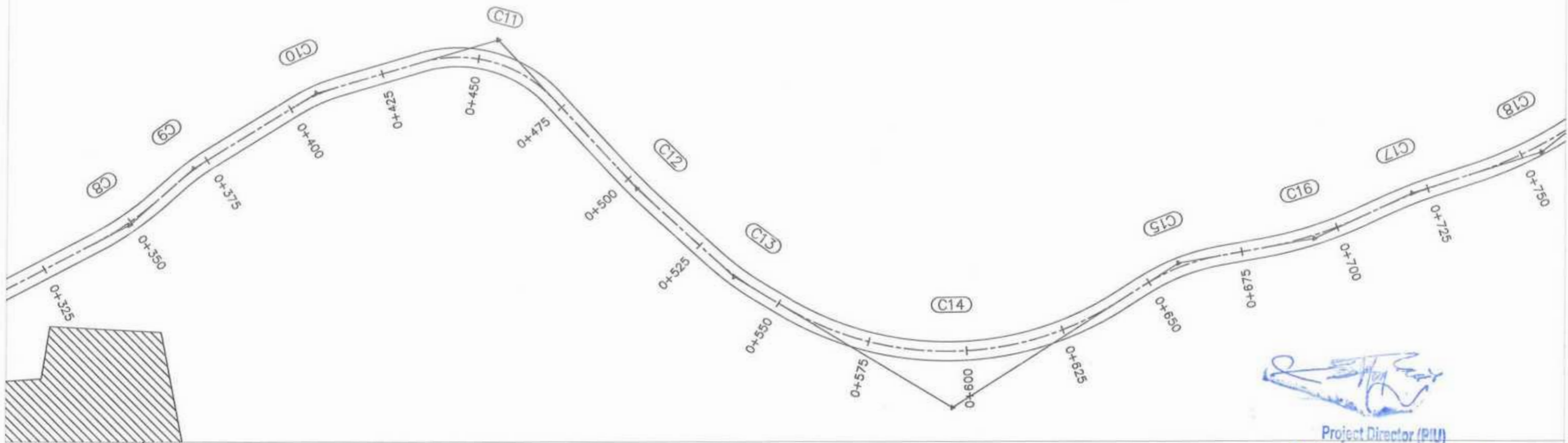




[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

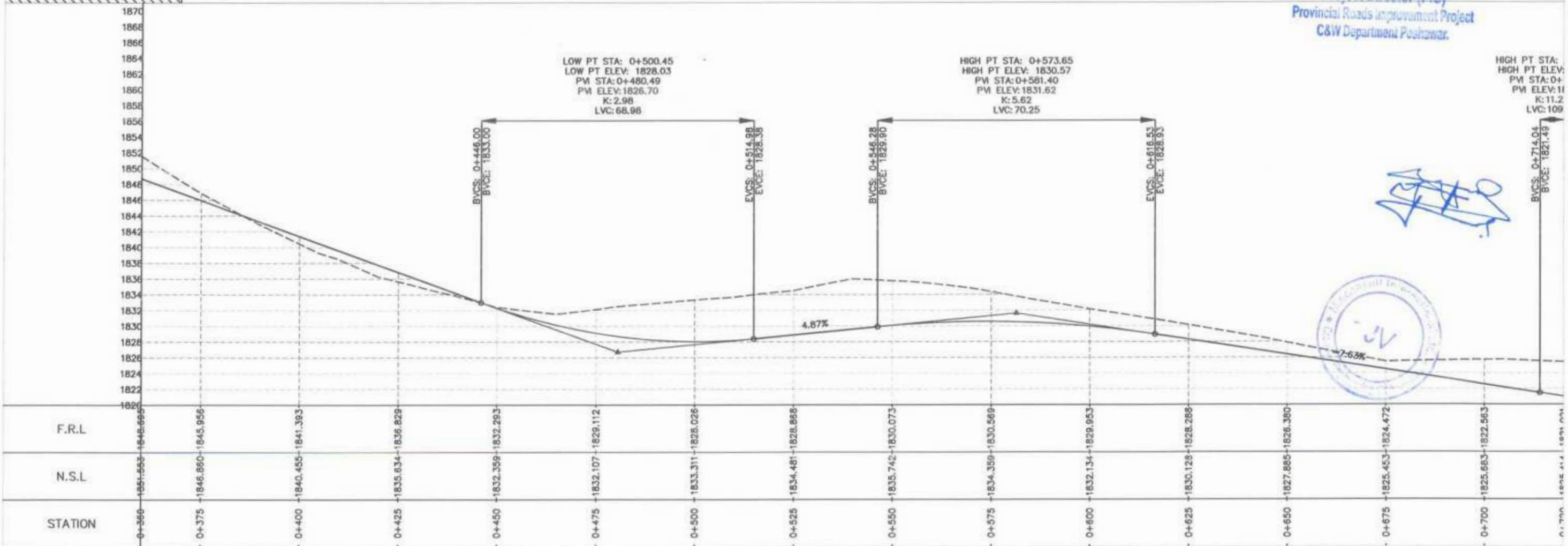


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 18835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	NAMES: G.DESIGNED: TANZEEL DRAWN: MIRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AGEEL YOUSIF		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG, 2024.	SHEET CONTENT: PLAN & PROFILE 0+000.00 - 0+360.00 CEC/HWK/RRDP/N_CHT_9/PP/ 1
		a								
		b								
		c								



[Handwritten Signature]

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



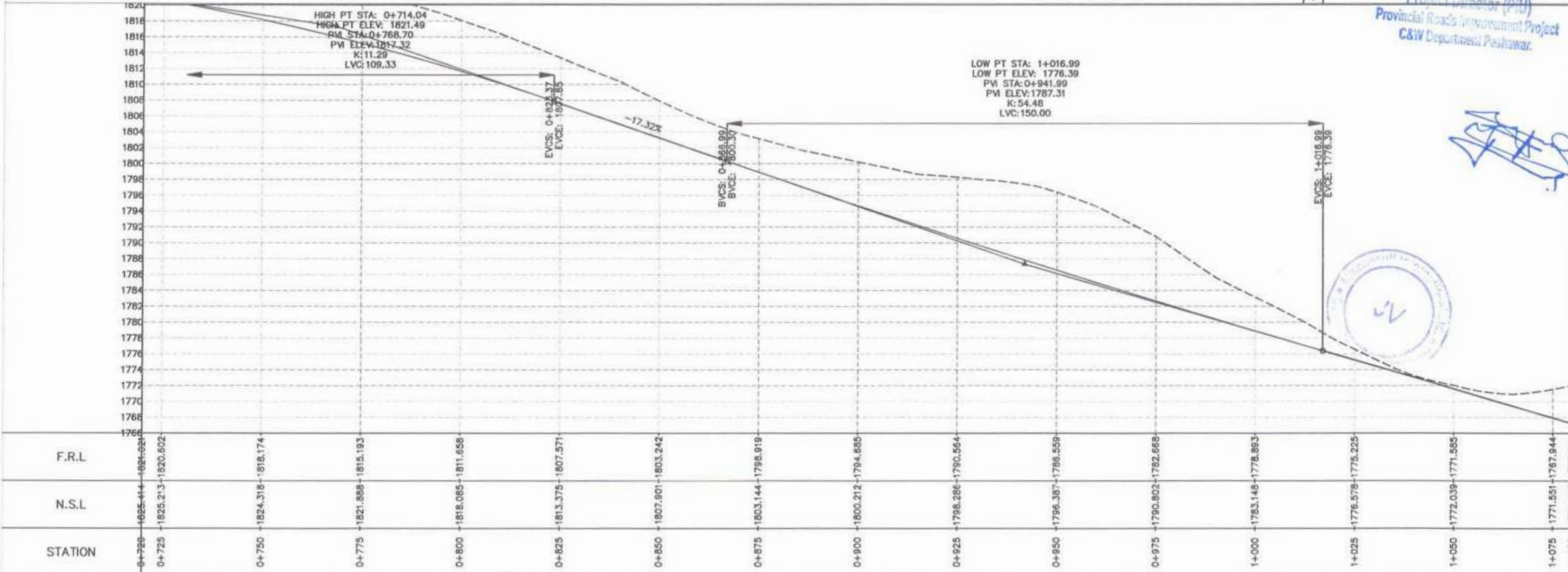
[Handwritten Signature]



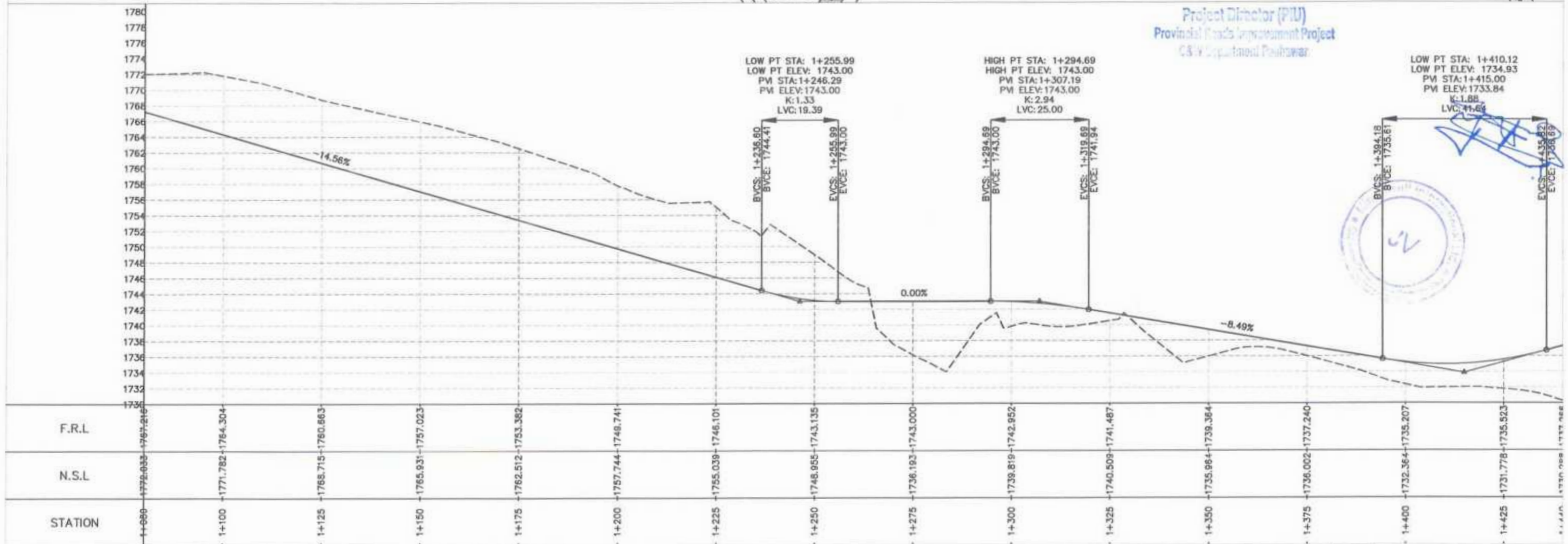
CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO: 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024	PLAN & PROFILE 0+360.00 - 0+720.00 CEC/HWIKPRDP/N_CHT_9/PP/ 2
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AQEEL YOUNIS				



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



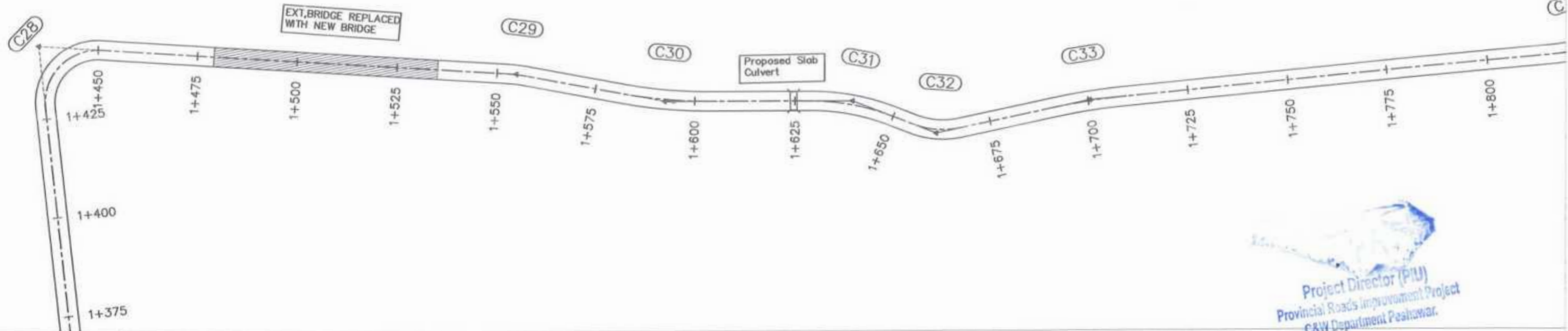
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO: 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	H=1:1000 V=1:500	PLAN & PROFILE 0+720.00 - 1+080.00
		a			DRAWN: IMRAN TARIO		TOURISM	DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG. 2024	
		c			APPROVED: AQEEL YOUNIS				CEC/HWK/RRDP/N_CHT_9/PP/ 3



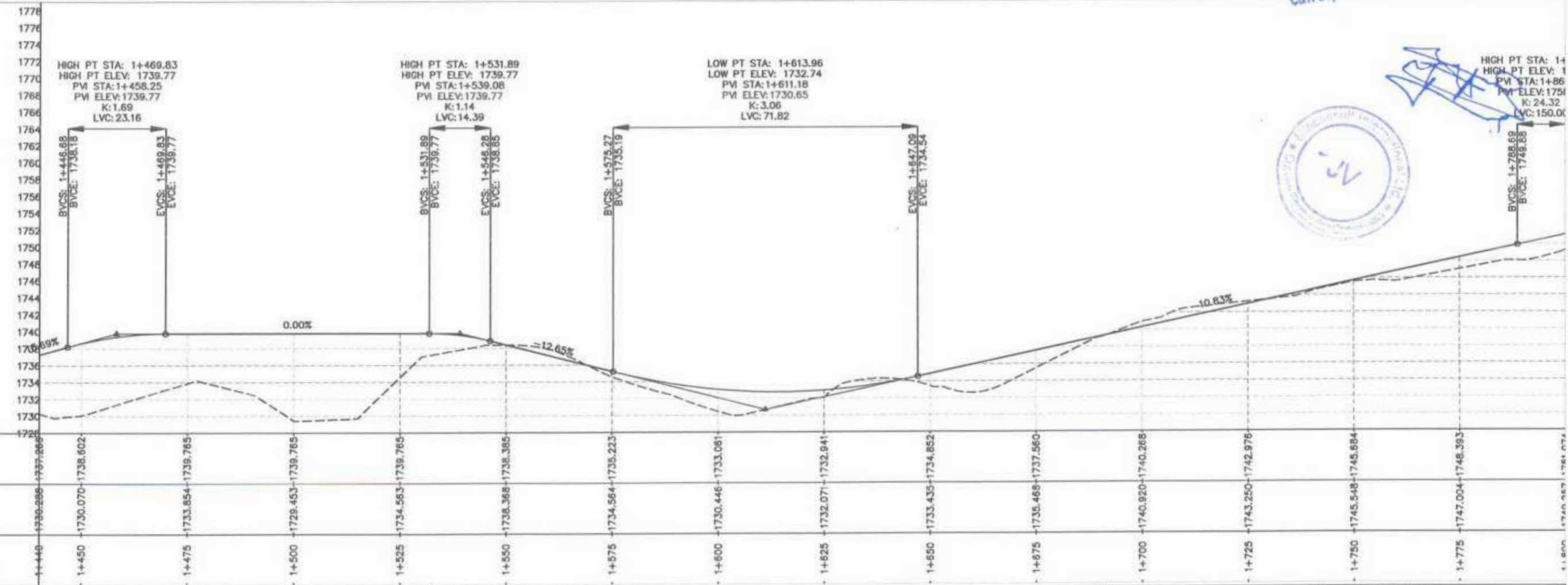
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 1+080.00 - 1+440.00
		a			DRAWN IMRAN TARIQ			DATE:	
		b			CHECKED SHAHZAD DURRANI			AUG, 2024	
		c			APPROVED AQEEL YOUNIS			CEC/HWIKPRDP/N_CHT_9/PPJ	



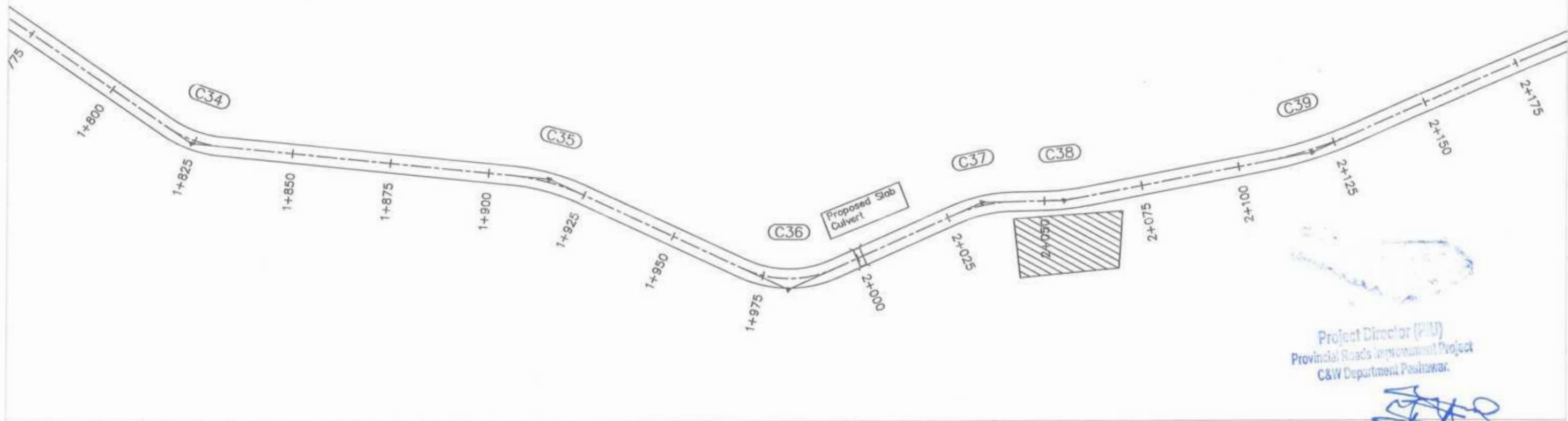
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar.



HIGH PT STA: 1+786.69
 HIGH PT ELEV: 1749.88
 PVI STA: 1+86
 PVI ELEV: 1751
 K: 24.32
 LVC: 150.00

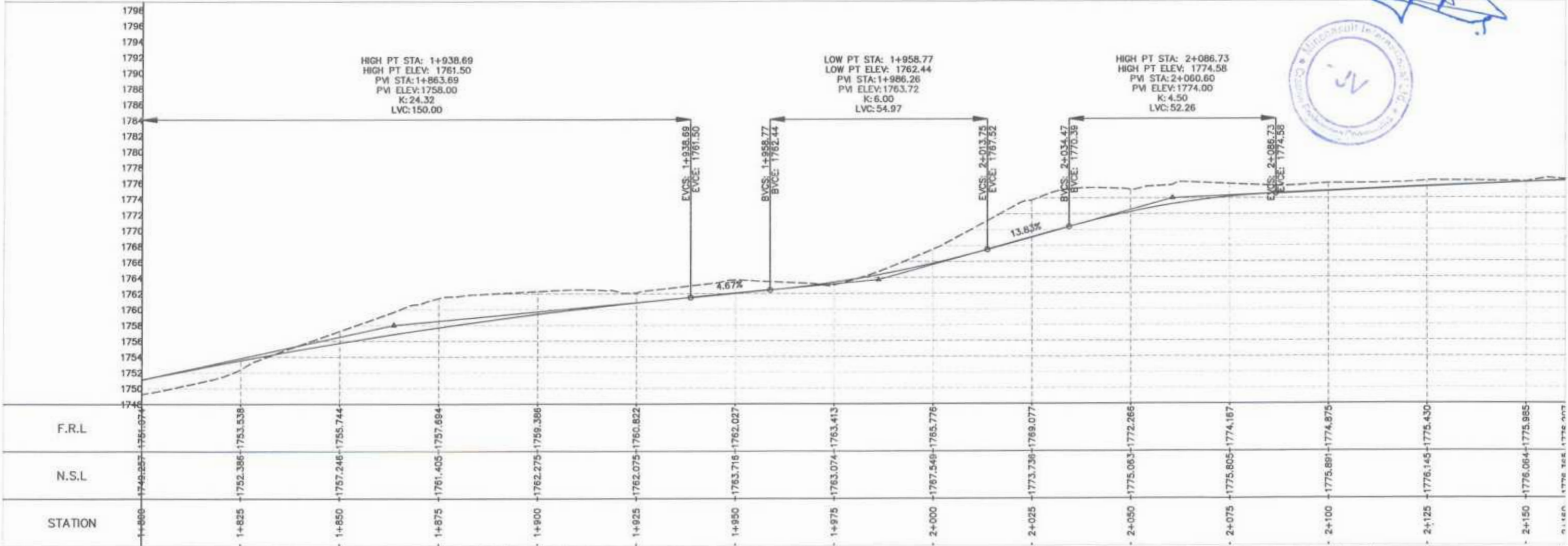
F.R.L
 N.S.L
 STATION

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 1+440.00 - 1+800.00
	<p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	a			DRAWN: IMRAN TARIQ			DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG. 2024	
		c			APPROVED: AQEEL YOUSUF				

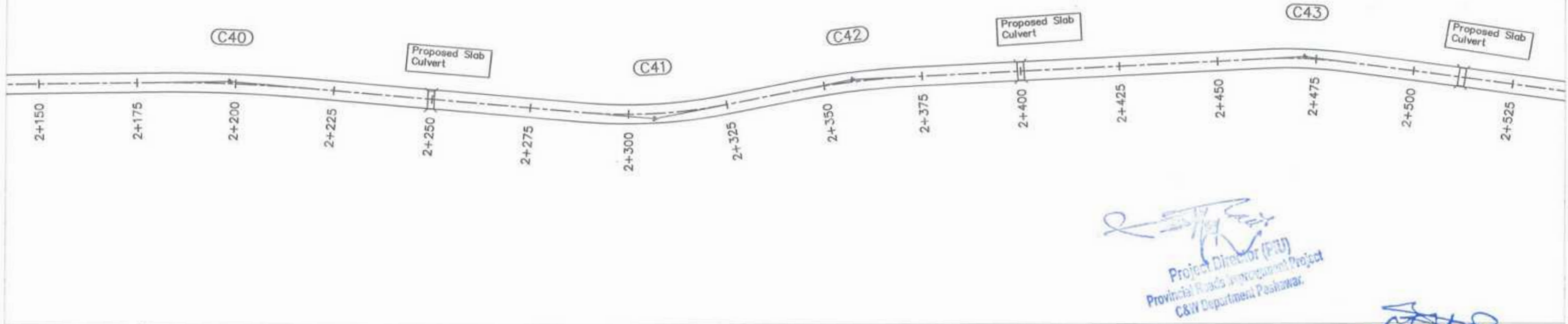


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

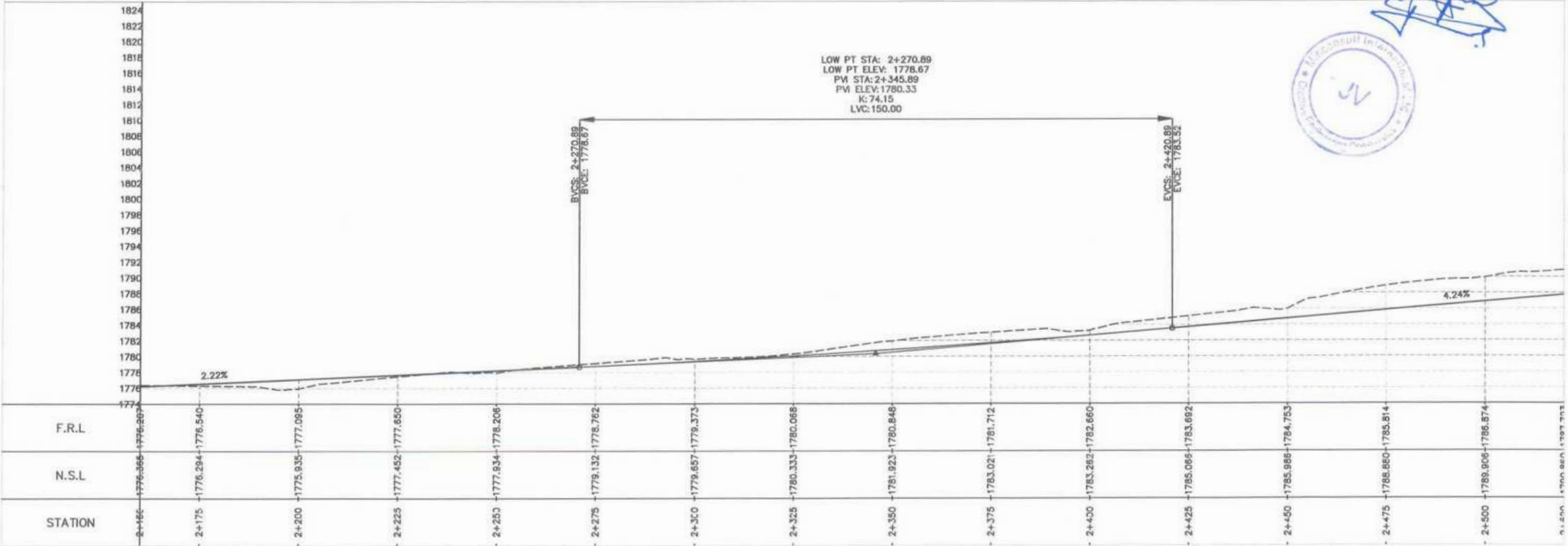
[Handwritten Signature]



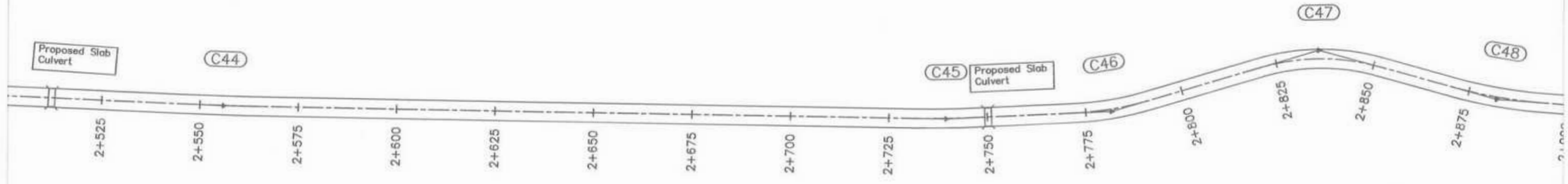
CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD <small>(COMPANY NO. 5835-P)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE:	PLAN & PROFILE 1+800.00 - 2+160.00
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AGEEL YOUNIS				
								AUG, 2024	CEC/HW/KPRRDP/N_CHT_9/PP/ 6



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES		PROJECT	ROAD NAME	SCALE	SHEET CONTENT				
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024	PLAN & PROFILE 2+160.00 - 2+520.00
		a			DRAWN	IMRAN TARIQ								
		b			CHECKED	SHANZAD DURRANI								
		c			APPROVED	AGEEL YOUSIF								
								CEC/HWIKRRDP/N_CHT_9/PP/ 7						



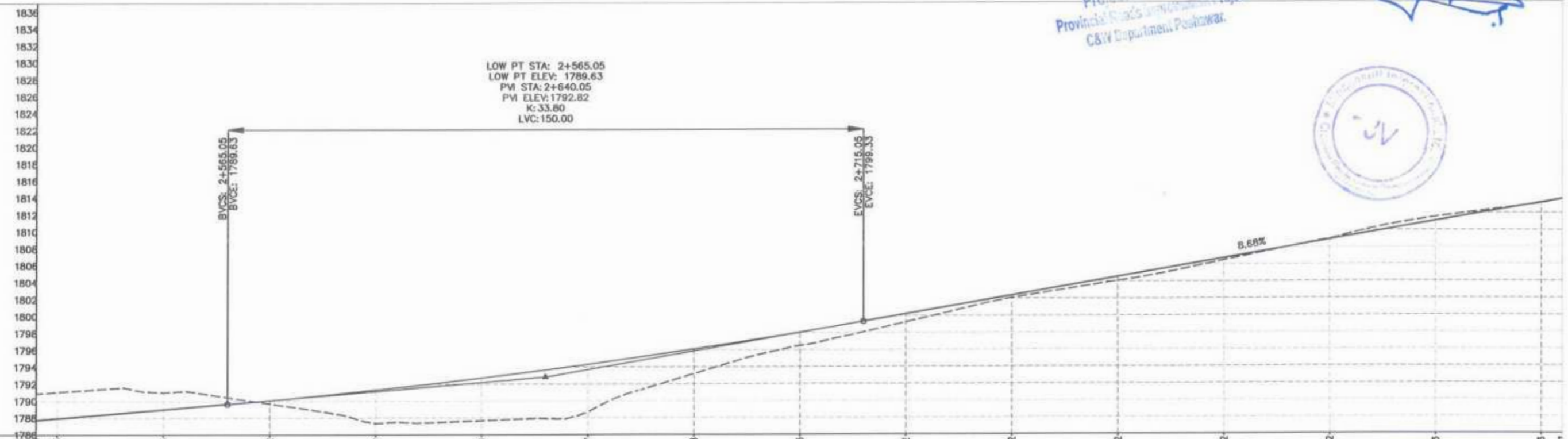
[Handwritten Signature]

Project Director (PIU)
Provincial Roads Development Project
C&W Department Peshawar.

[Handwritten Signature]

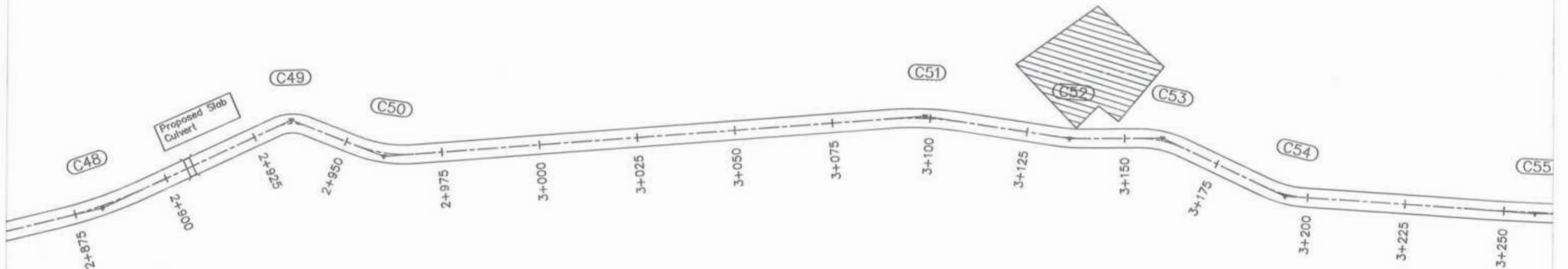


LOW PT STA: 2+565.05
LOW PT ELEV: 1789.63
PM STA: 2+640.05
PM ELEV: 1792.82
K: 33.80
LVC: 150.00



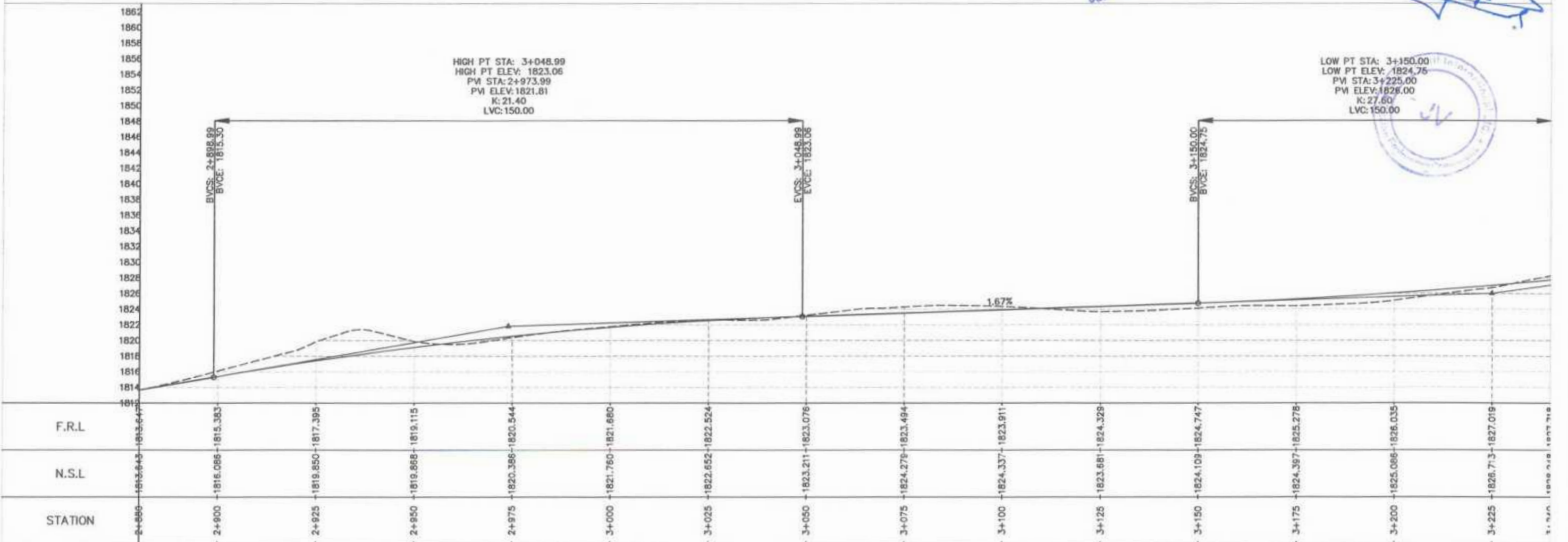
F.R.L	1788.725	1790.72	1791.289	1792.710	1794.307	1796.088	1798.055	1800.192	1802.362	1804.532	1806.702	1808.872	1811.043	1813.213		
N.S.L	1790.860	1791.038	1790.998	1789.679	1787.653	1788.684	1793.175	1796.468	1800.075	1804.084	1808.449	1808.965	1811.520	1813.152		
STATION	2+525	2+550	2+575	2+600	2+625	2+650	2+675	2+700	2+725	2+750	2+775	2+800	2+825	2+850	2+875	2+880

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO: 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 2+520.00 - 2+880.00 AUG. 2024 CEC/HW/KPRRDP/N_CHT_BPP/ 8	
		a			G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM		H=1:1000 V=1:500
		b			DRAWN	MRAN TARIQ				DATE:
		c			CHECKED	SHAHZAD DURRANI				AUG. 2024
					APPROVED	AQEEL YOUNIS				

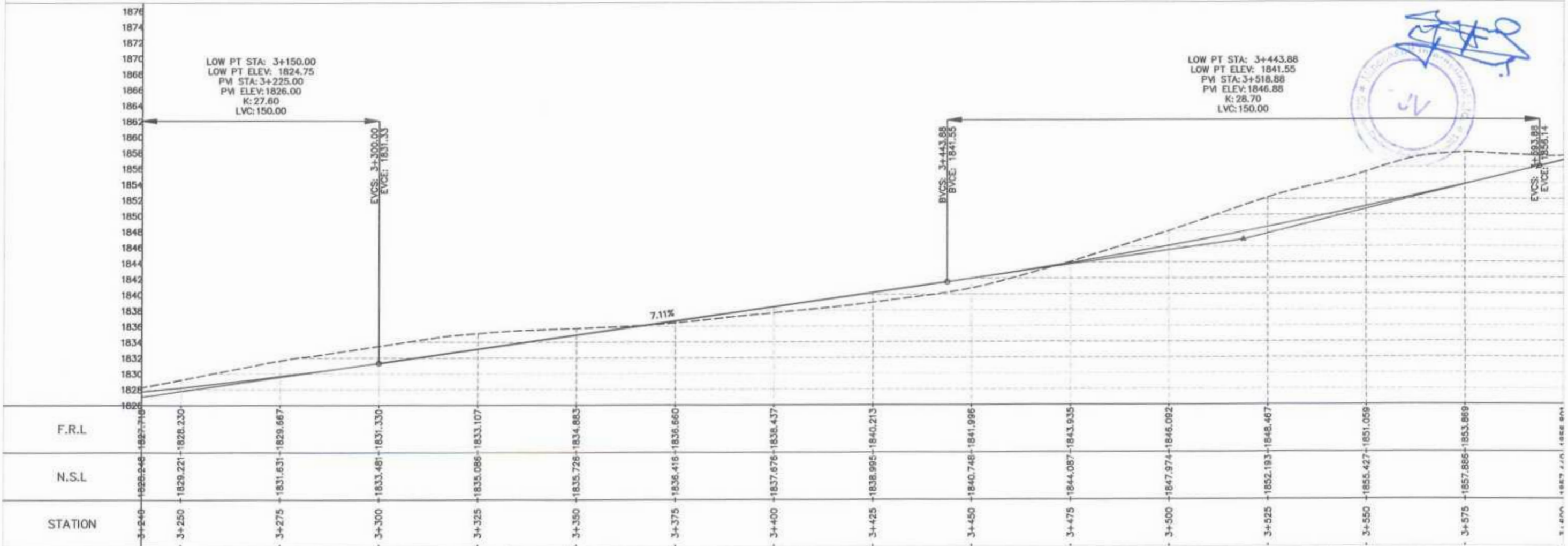
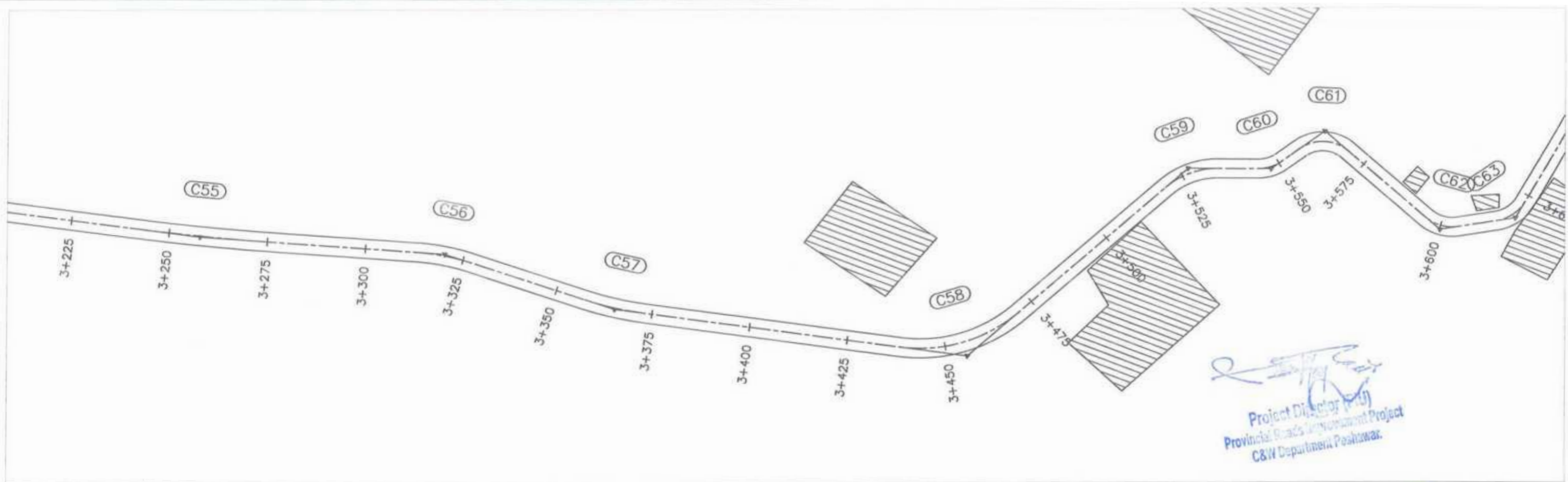


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

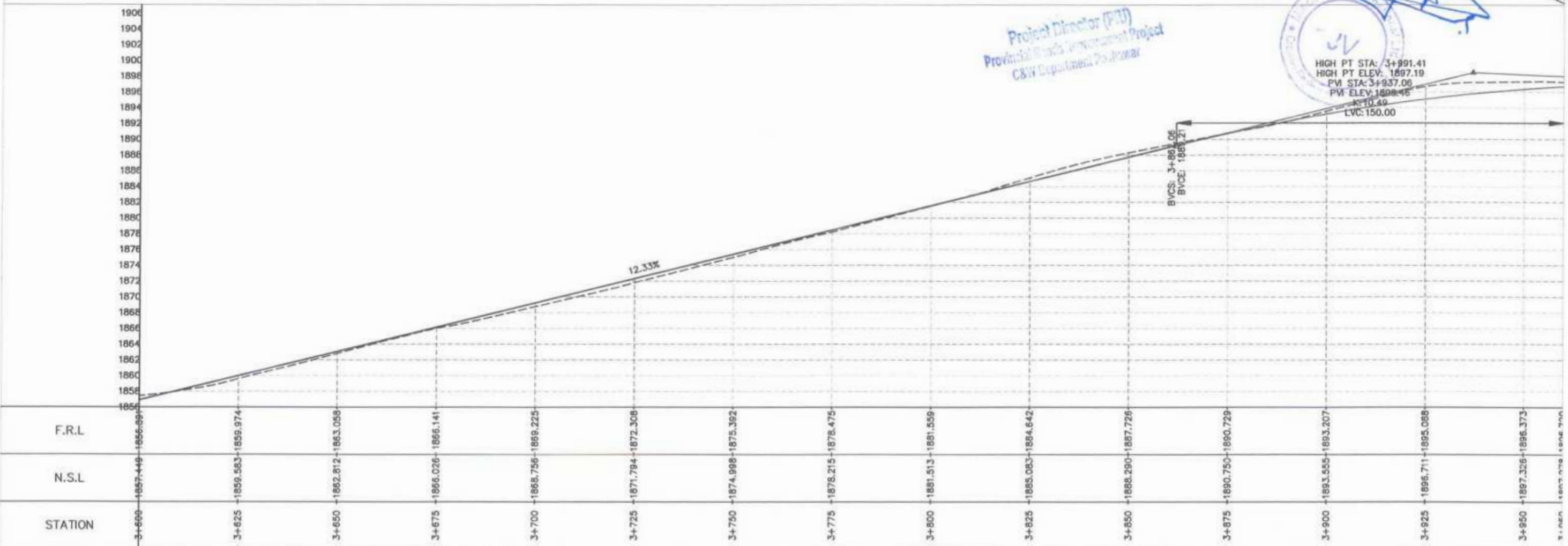
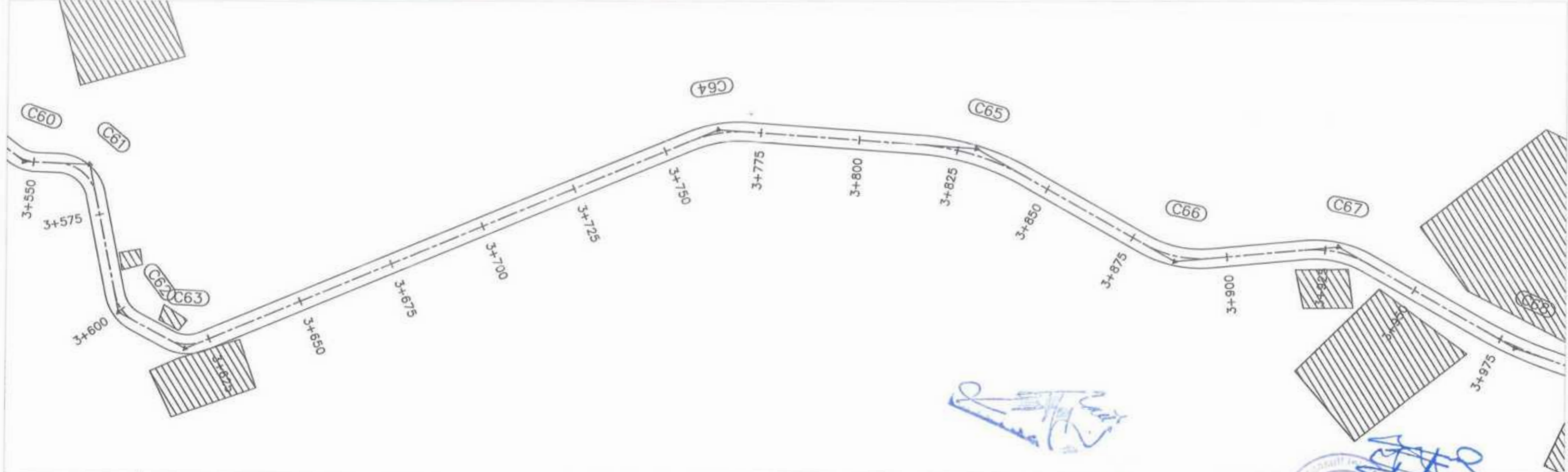
[Handwritten signature]



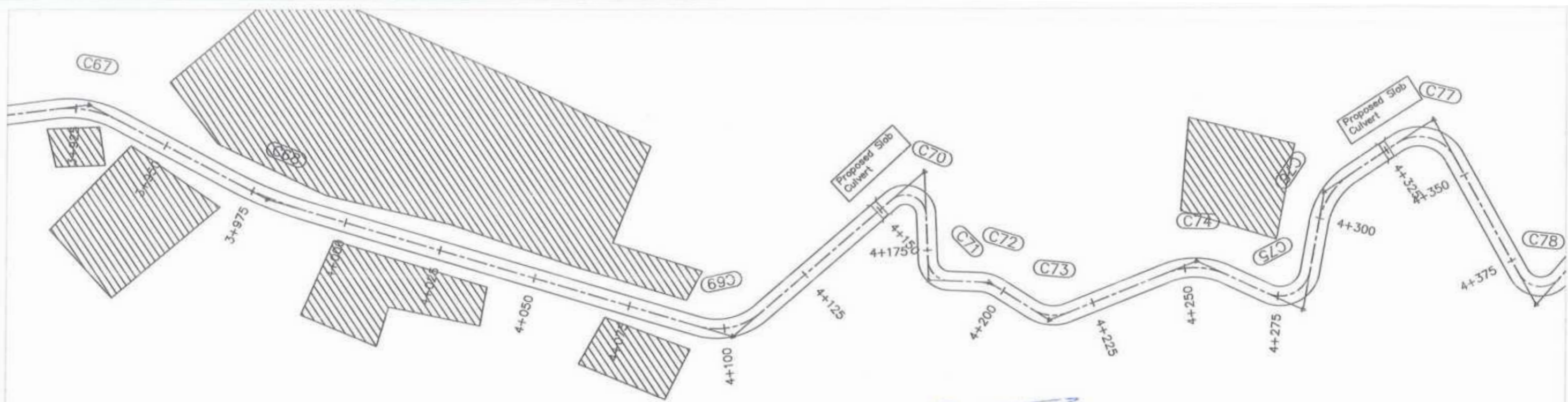
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV: 0	DATE: AUG, 2024	DESCRIPTION: TENDER DRAWINGS	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG, 2024.	SHEET CONTENT: PLAN & PROFILE 2+880.00 - 3+240.00
		DESIGNED: TANZEEL	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG, 2024.	SHEET CONTENT: PLAN & PROFILE 2+880.00 - 3+240.00				
		DRAWN: IMRAN TARIQ								
		CHECKED: SHAHZAD DURRANI								
		APPROVED: AQEEL YOUNIS								
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) REV: 0 DATE: AUG, 2024 DESCRIPTION: TENDER DRAWINGS NAMES: G.DESIGNED: TANZEEL, DRAWN: IMRAN TARIQ, CHECKED: SHAHZAD DURRANI, APPROVED: AQEEL YOUNIS PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP) ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM SCALE: H=1:1000 V=1:500 DATE: AUG, 2024. SHEET CONTENT: PLAN & PROFILE 2+880.00 - 3+240.00 CEC/HWIKPRRDP/N_CHT_9/PP/ 9										



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG. 2024.	PLAN & PROFILE 3+240.00 - 3+600.00
		a			DRAWN	MRAN TARIQ								
		b			CHECKED	SHAHZAD DURRANI								
		c			APPROVED	AGEEL YOUNIS								
								CEC/HWKPRRDP/N_CHT_9/PP/ 10						

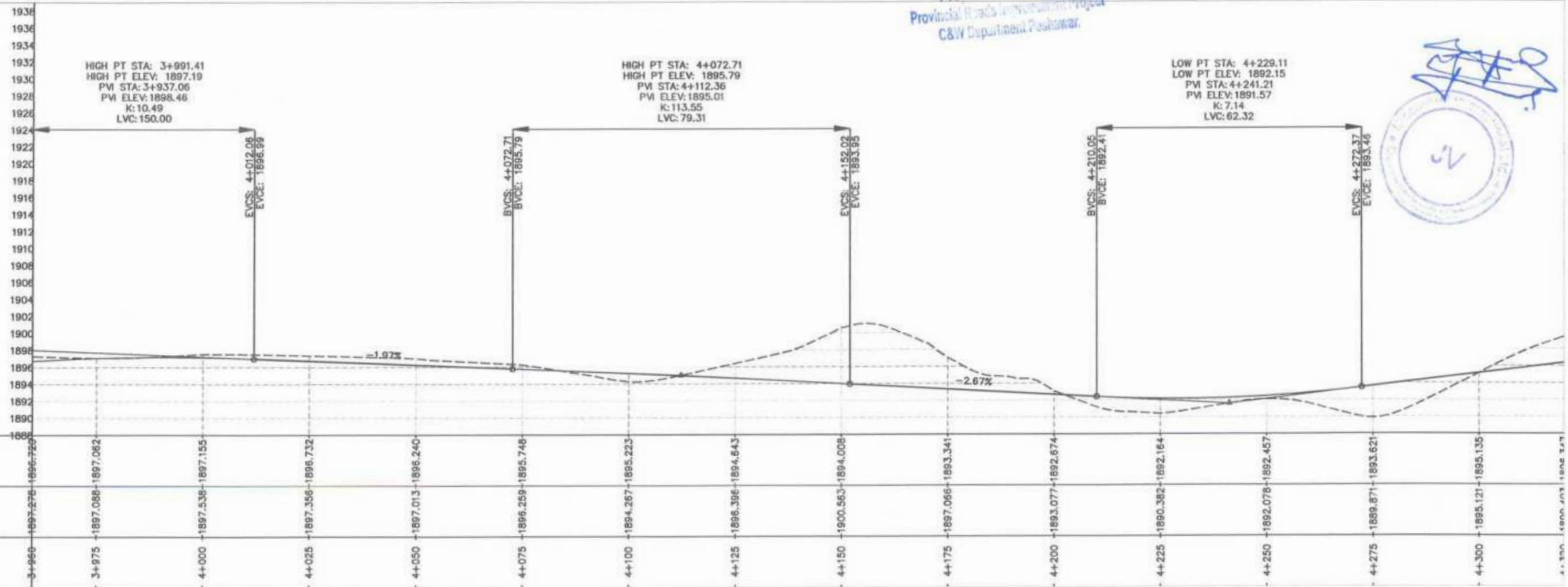


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD <small>(COMPANY NO. 58835-F)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024.	PLAN & PROFILE 3+600.00 - 3+960.00 CEC\HW\KPRDP\N_CHT_9\PPJ 11
		a			DRAWN IMRAN TARIQ				
		b			CHECKED SHAHZAD DURRANI				
		c			APPROVED AQEEL YOUNIS				

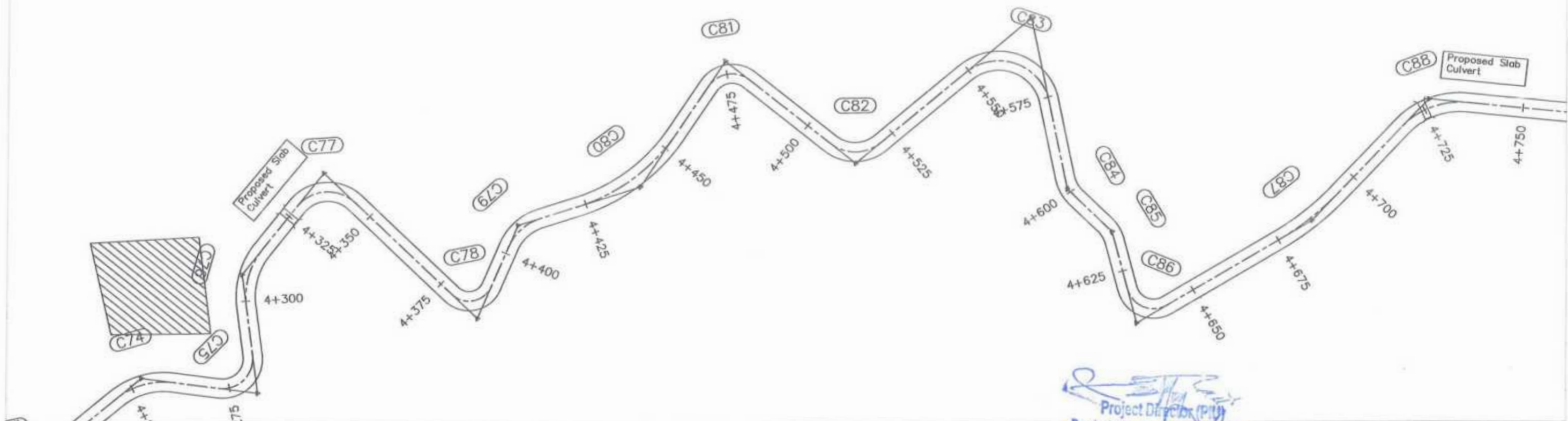


[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Signature]



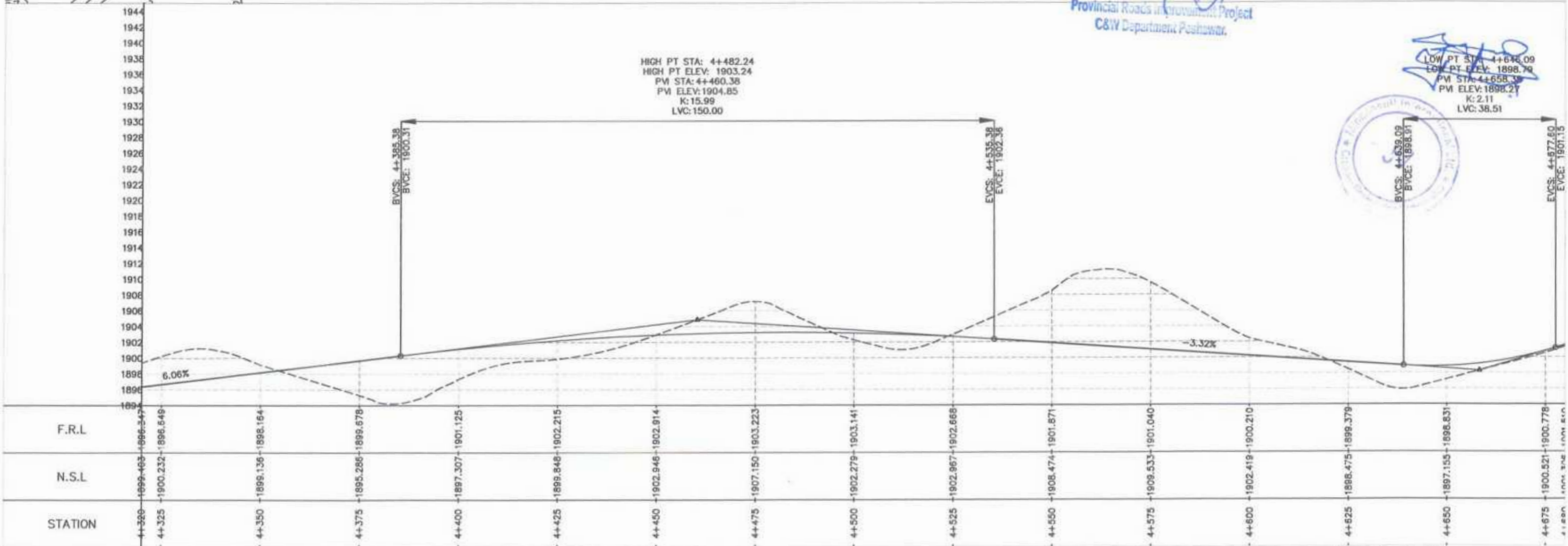
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG, 2024.	SHEET CONTENT: PLAN & PROFILE 3+960.00 - 4+320.00 CEC/HWK/RRDP/N_CHT_9/PP/ 17
		a			DRAWN	IMRAN TARIO				
		b			CHECKED	SHAHZAD DURRANI				
		c			APPROVED	AQEEL YOUNIS				



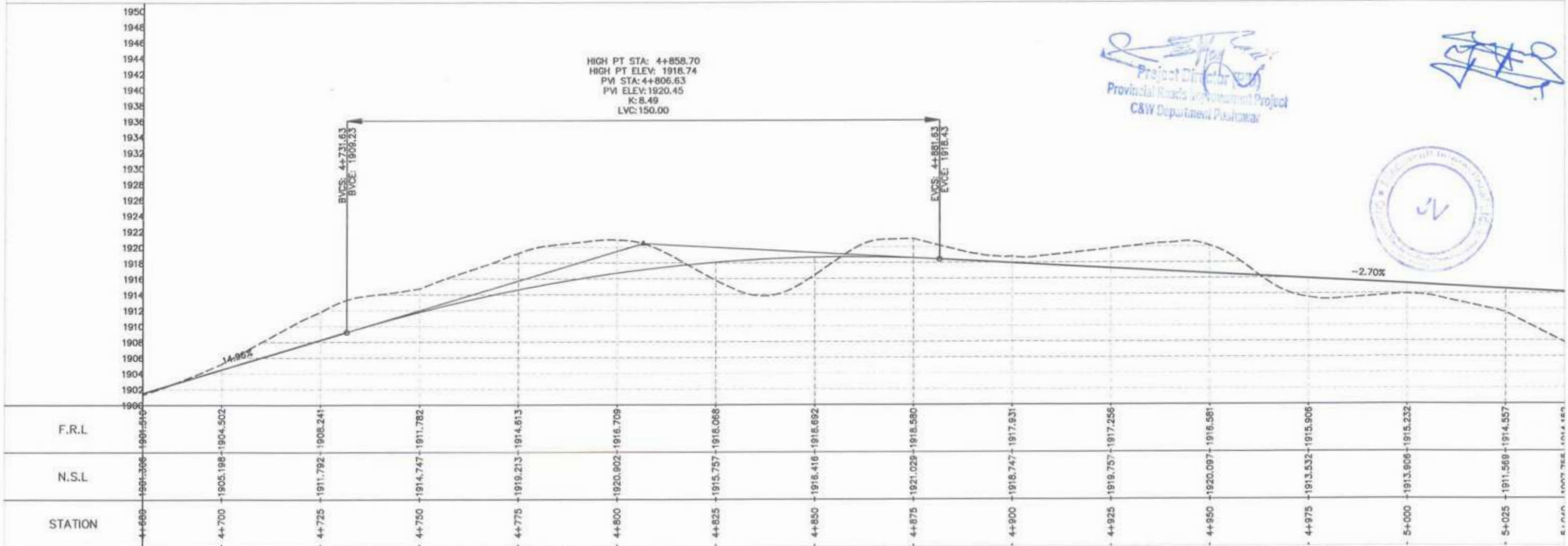
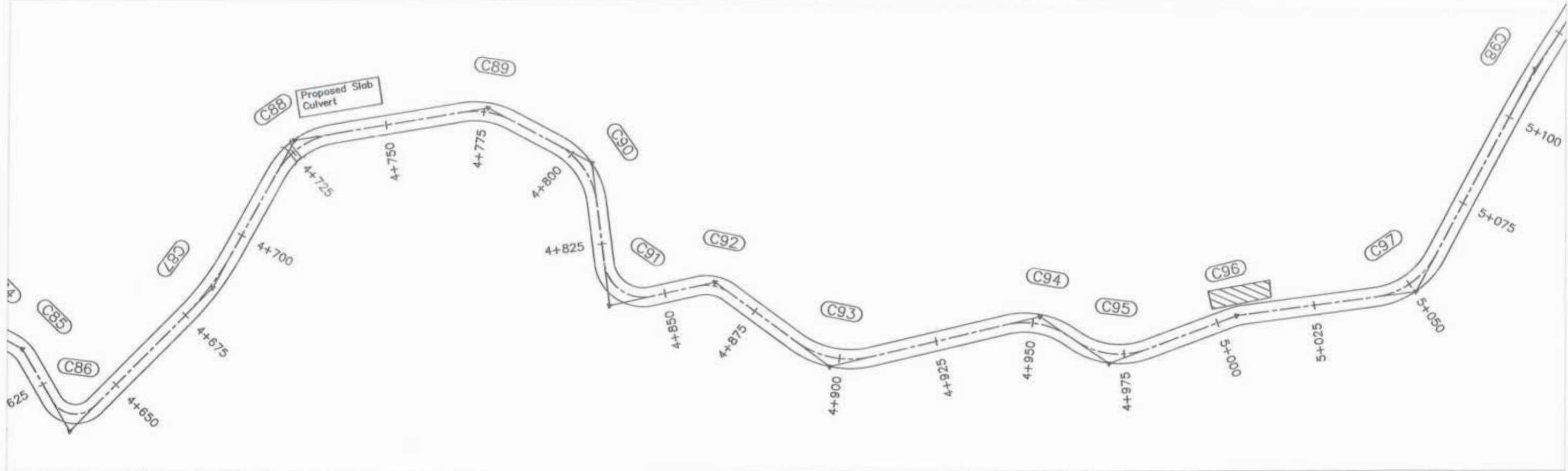
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

LOW PT STA: 4+646.09
 LOW PT ELEV: 1898.79
 PM STA: 4+658.39
 PM ELEV: 1898.27
 K: 2.11
 LVC: 38.51

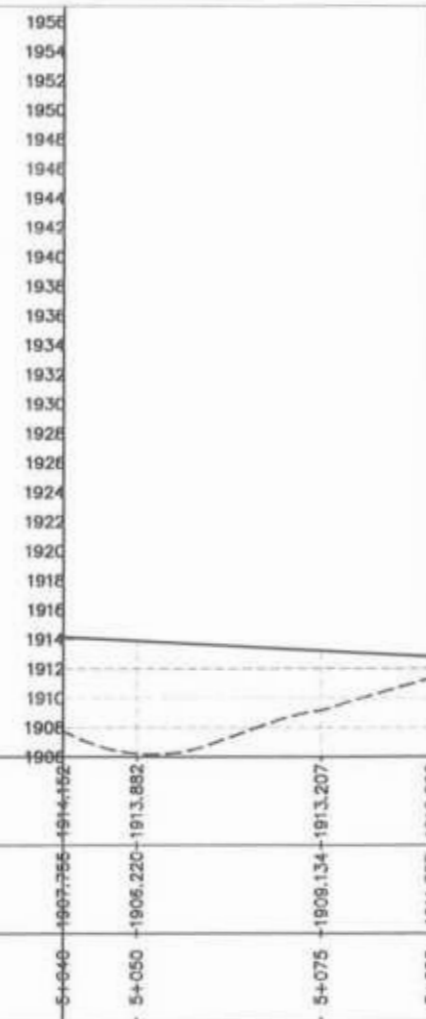
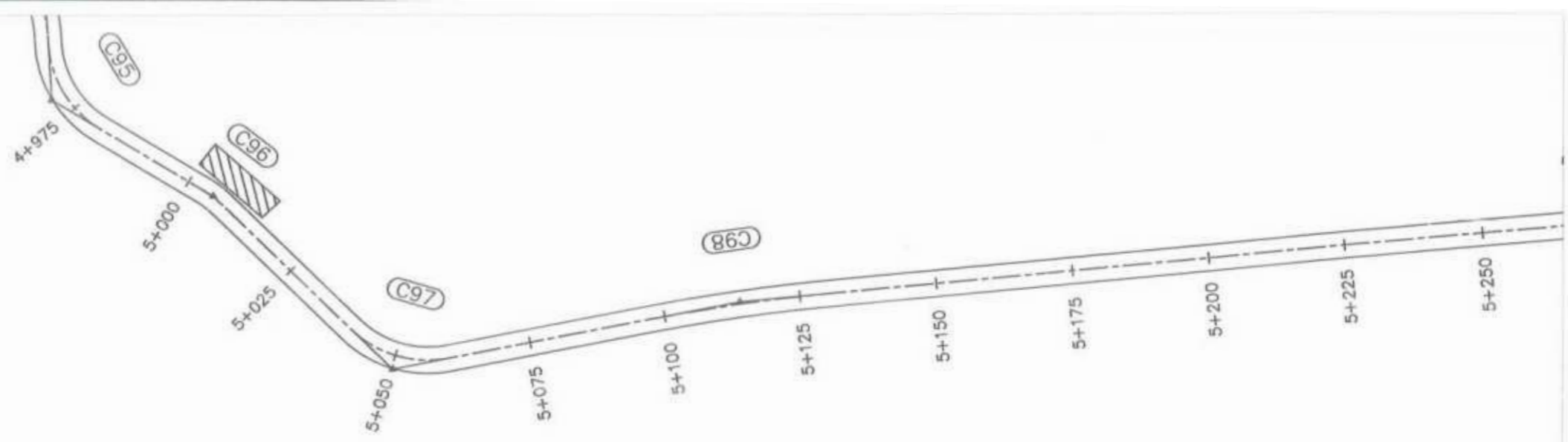
HIGH PT STA: 4+482.24
 HIGH PT ELEV: 1903.24
 PM STA: 4+460.38
 PM ELEV: 1904.85
 K: 15.99
 LVC: 150.00



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58235-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 4+320.00 - 4+680.00 DATE: AUG, 2024 CEC/HWIKPRRDP/N_CHT_9/PP/ 13
		a			G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	
		b			DRAWN: IMRAN TARIQ				
		c			CHECKED: SHAHZAD DURRAN				
			APPROVED: AQEEL YOUNIS						






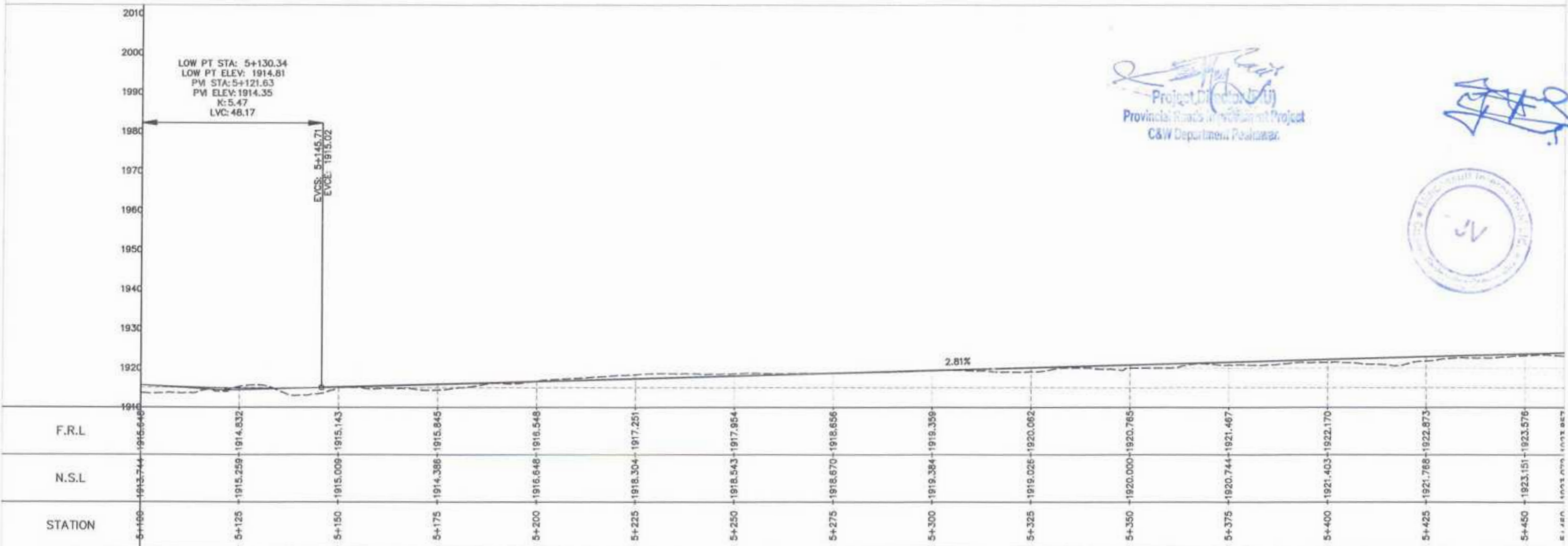
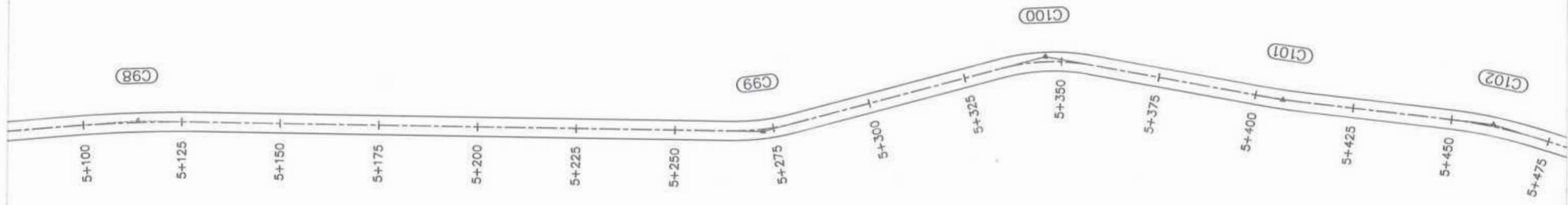
CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD <small>(COMPANY NO 58835-P)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024	PLAN & PROFILE 4+680.00 - 5+040.00 CECHW/KPRRDP/N_CHT_9/PP/ 14
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AGEEL YOUNIS				




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



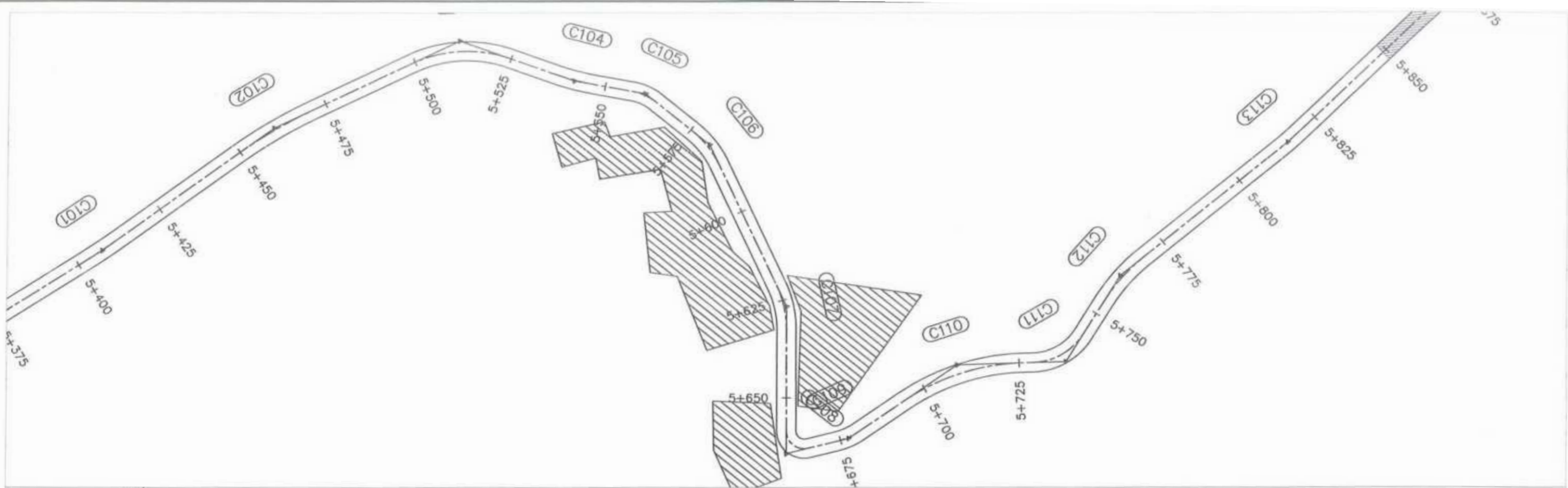
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 5835-F) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE:	PLAN & PROFILE 5+040.00 - 5+090.00 CEC/HWIKPRRD/N_CHT_9/PP/ 15
		a			DRAWN IMRAN TARIQ				
		b			CHECKED SHAHZAD DURRANI				
		c			APPROVED AGEEL YOUNIS				



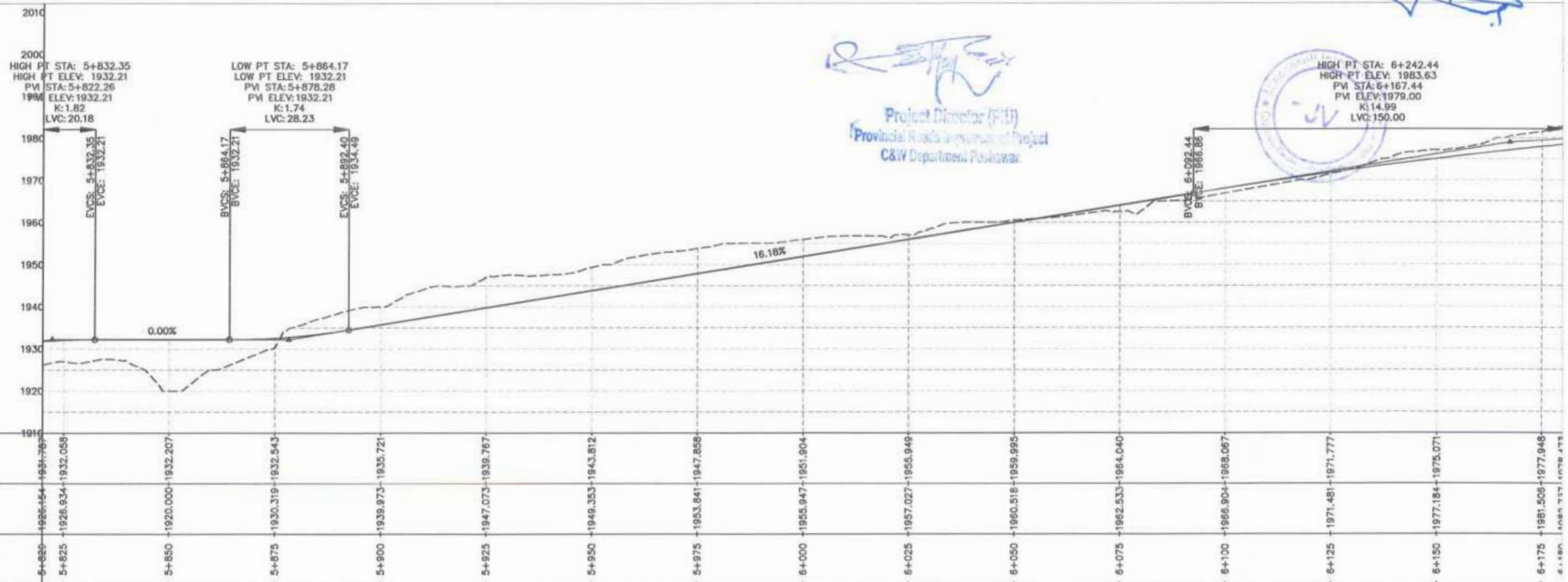
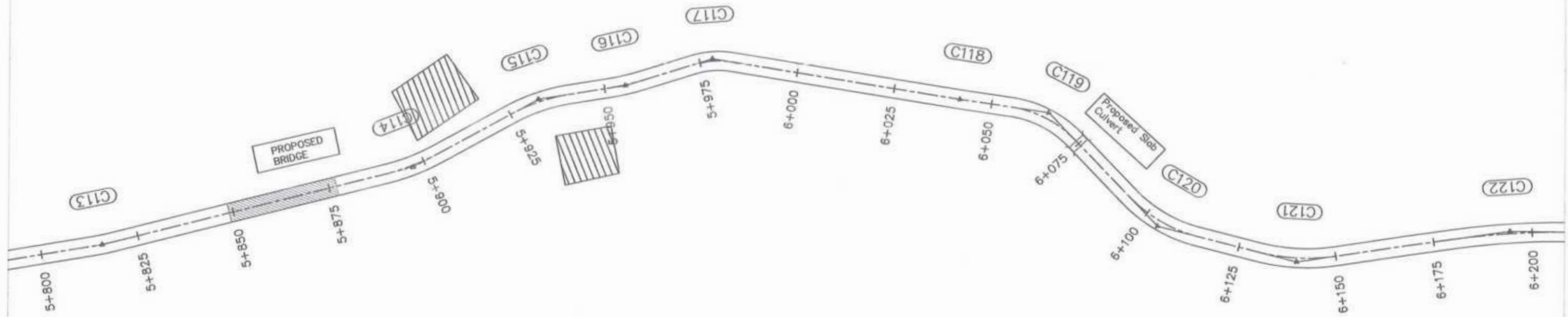
Project Director
 Provincial Roads Development Project
 C&W Department Pakistan



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5833-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)		N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500
		a			DRAWN	IMRAN TARIQ						DATE:
		b			CHECKED	SHAHZAD DURRANI						AUG, 2024
c			APPROVED	AGEEL YOUNIS								



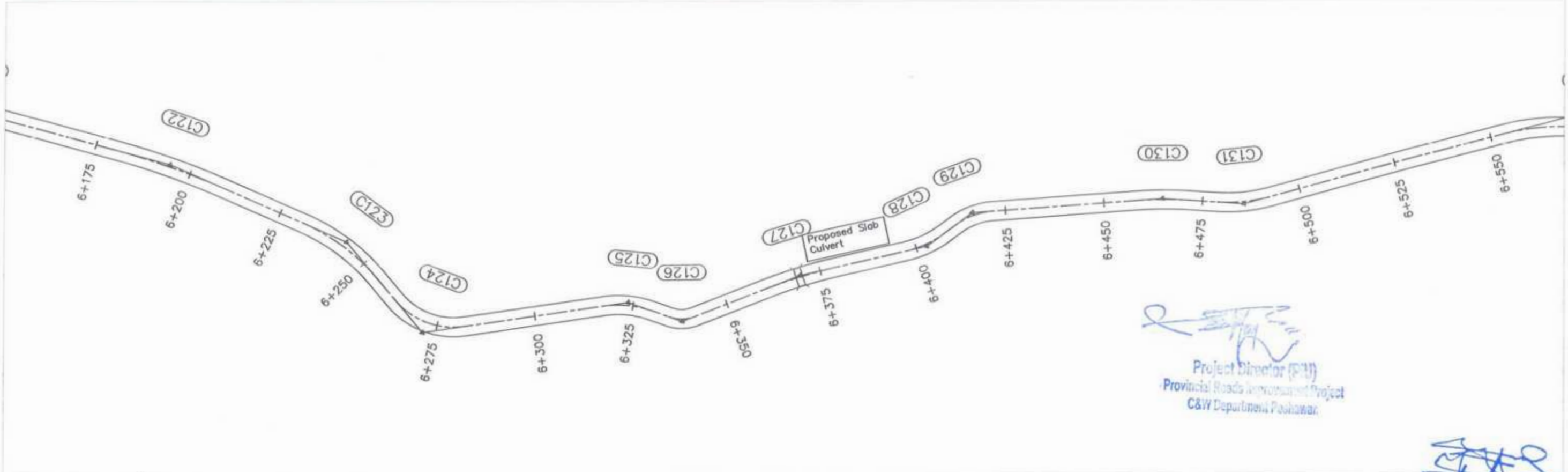
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD <small>(COMPANY NO. 58835-P)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000	PLAN & PROFILE 5+460.00 - 5+820.00
		a			DRAWN: IMRAN TARIQ			V=1:500	
		b			CHECKED: SHAHZAD DURRANI			DATE:	
		c			APPROVED: AQEEL YOUNIS			AUG. 2024	
					DWG NO: CECHWRP/RRDN-CHT-MPP1		2		



Project Director (PIU)
 Provincial Roads Development Project
 C&W Department Peshawar

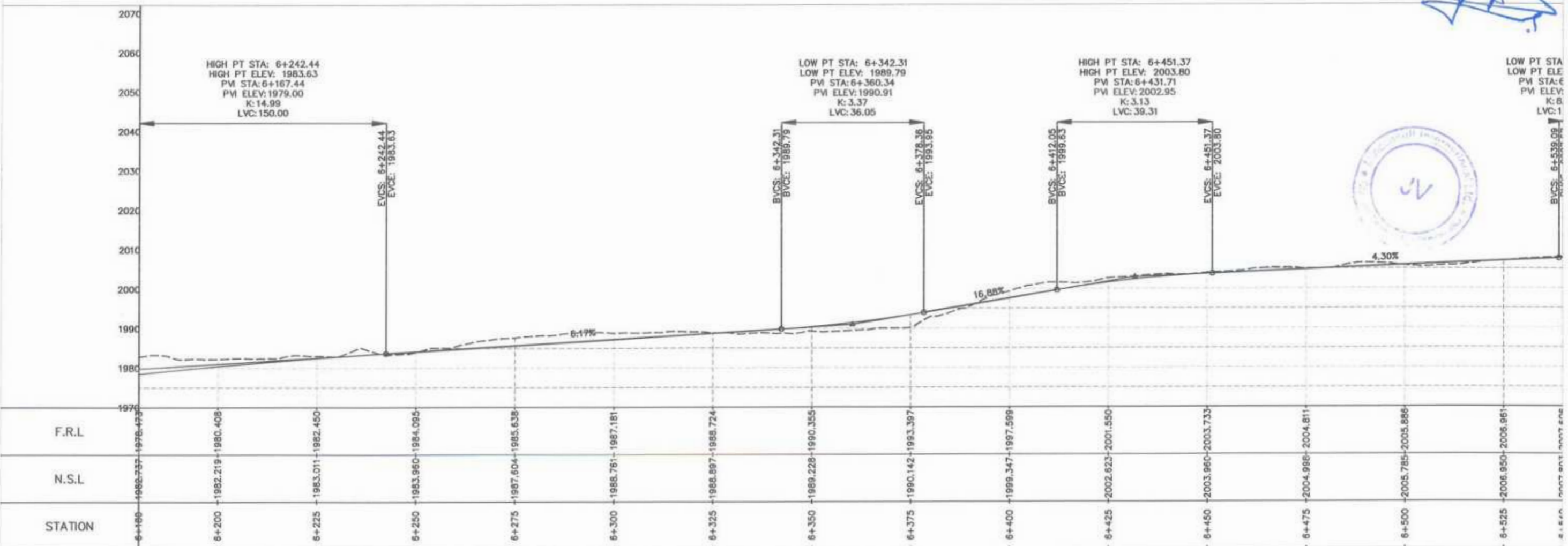


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 5+820.00 - 6+180.00 DWG NO. CEC/WWP/RRDP/N-CHT-9/PIU 3
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AGEEL YOUNIS				

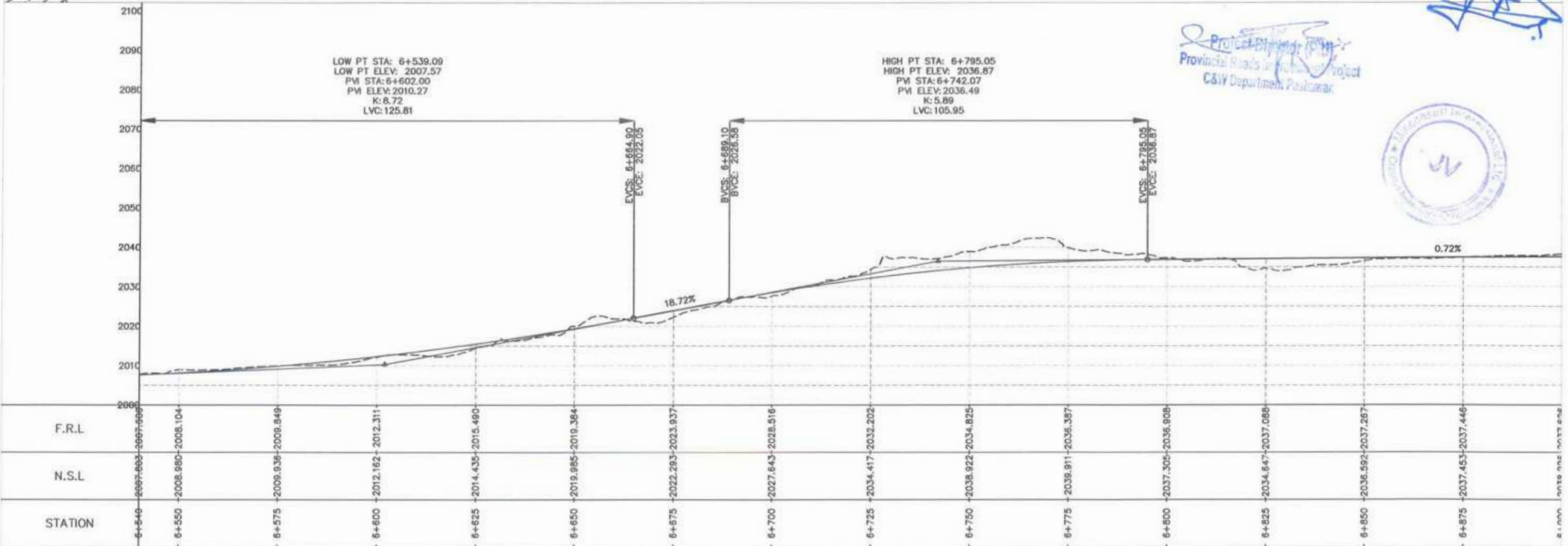
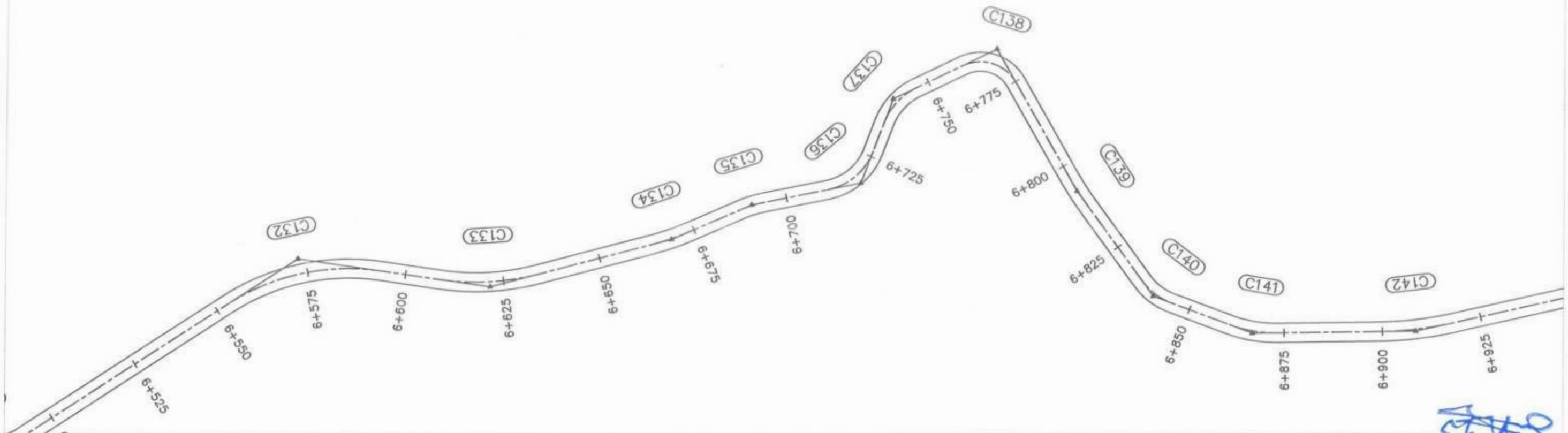



 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar.

[Handwritten signature]



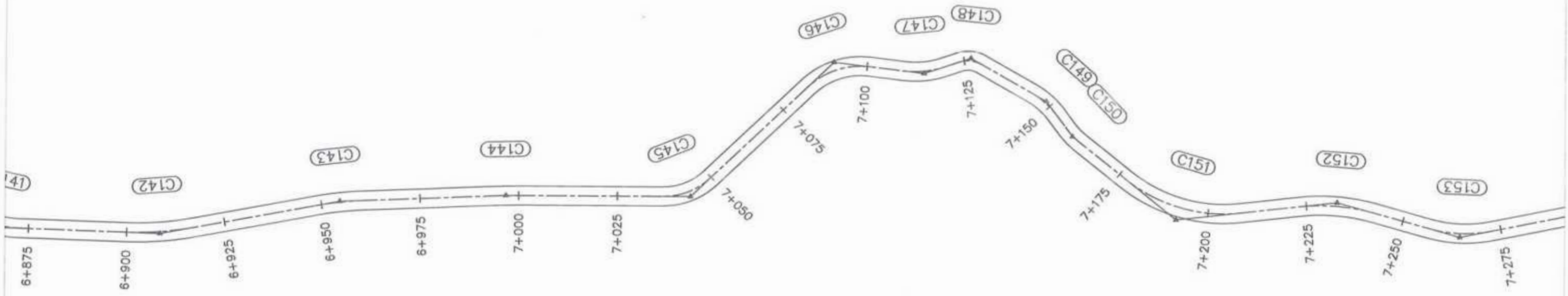
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SON BHD (COMPANY NO. 5835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:						
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	H=1:1000 V=1:500	PLAN & PROFILE 6+180.00 - 6+540.00		
		a			DRAWN	IMRAN TARIQ									TOURISM	DATE: AUG, 2024,
		b			CHECKED	SHAHZAD DURRANI										
c			APPROVED	AQEEL YOUNIS												



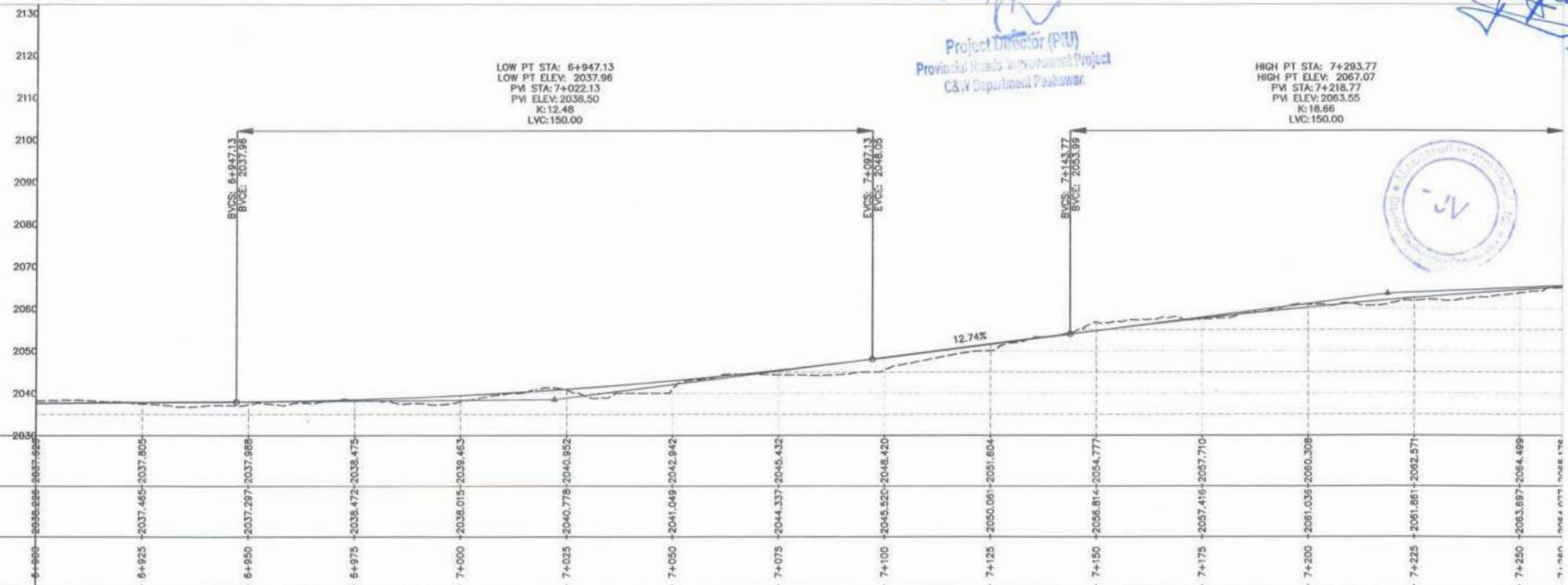
Provincial Roads Development Project
 C&W Department, Peshawar



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 6+540.00 - 6+900.00
		a			DRAWN	IMRAN TARIO								
		b			CHECKED	SHAHZAD DURRANI								
		c			APPROVED	AQEEL YOUNIS								
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) REV: 0, DATE: AUG, 2024, DESCRIPTION: TENDER DRAWINGS NAMES: G.DESIGNED: TANZEEL, DRAWN: IMRAN TARIO, CHECKED: SHAHZAD DURRANI, APPROVED: AQEEL YOUNIS PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP) ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM SCALE: H=1:1000, V=1:500 SHEET CONTENT: PLAN & PROFILE 6+540.00 - 6+900.00 DATE: AUG, 2024 DWG NO: CEC/RRDP/RRDN-CHT-8/PW 5														



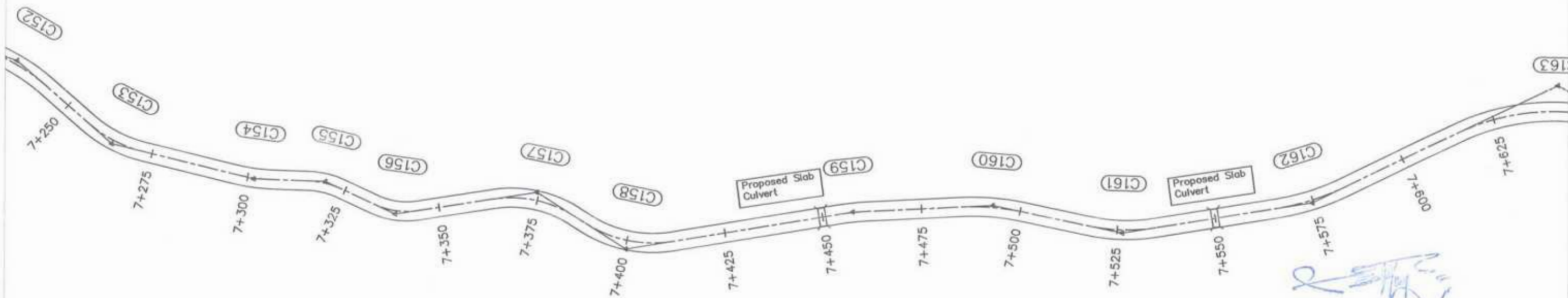
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



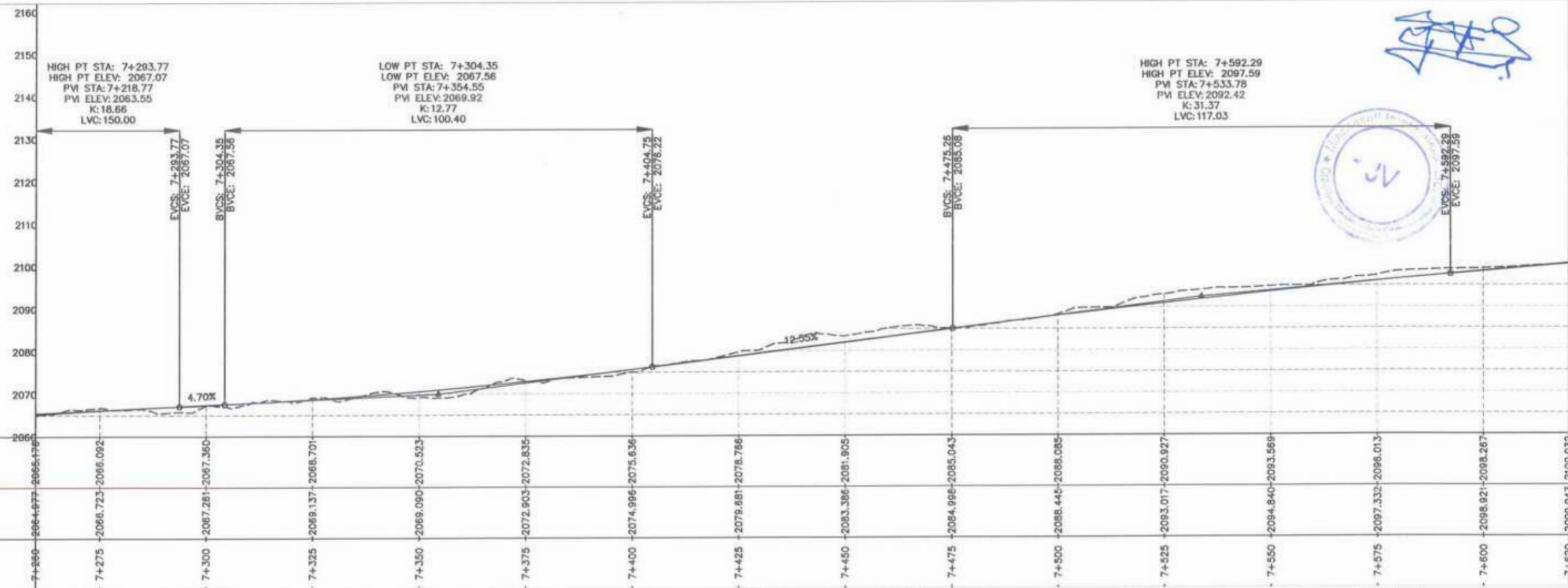
LOW PT STA: 6+947.13
 LOW PT ELEV: 2037.96
 PV STA: 7+022.13
 PV ELEV: 2038.50
 K: 12.48
 LVC: 150.00

HIGH PT STA: 7+293.77
 HIGH PT ELEV: 2067.07
 PV STA: 7+218.77
 PV ELEV: 2063.55
 K: 18.66
 LVC: 150.00

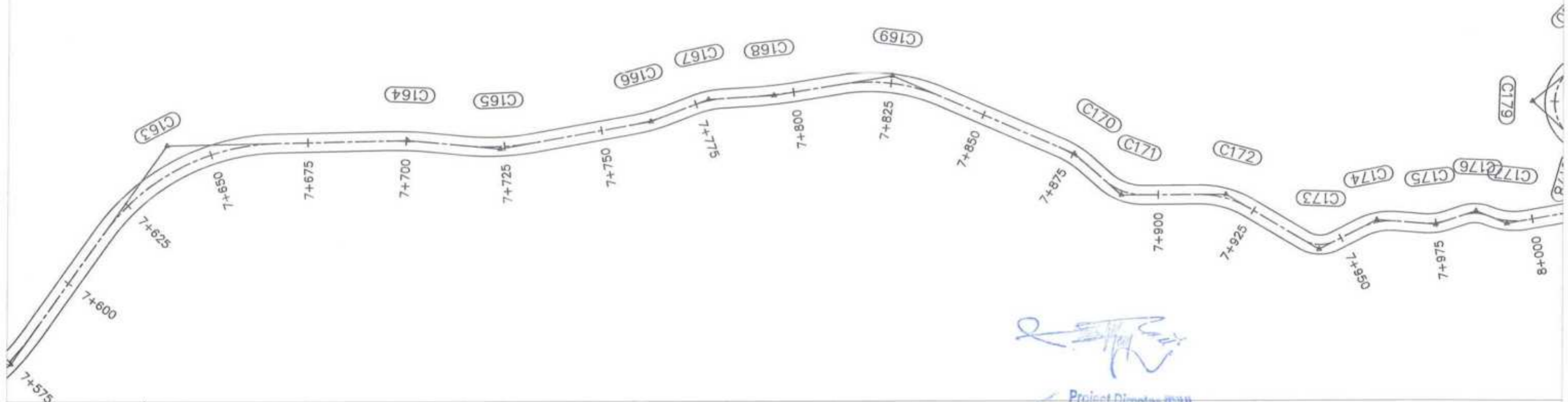
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE:	SHEET CONTENT: PLAN & PROFILE 6+900.00 - 7+260.00 DATE: AUG, 2024. DWG NO. CEC/RWP/RRDN-CHT-SP/ 6
		a			DRAWN	IMRAN TARIQ			H=1:1000	
		b			CHECKED	SHAHZAD DURRANI			V=1:500	
		c			APPROVED	AGEEL YOUNIS				



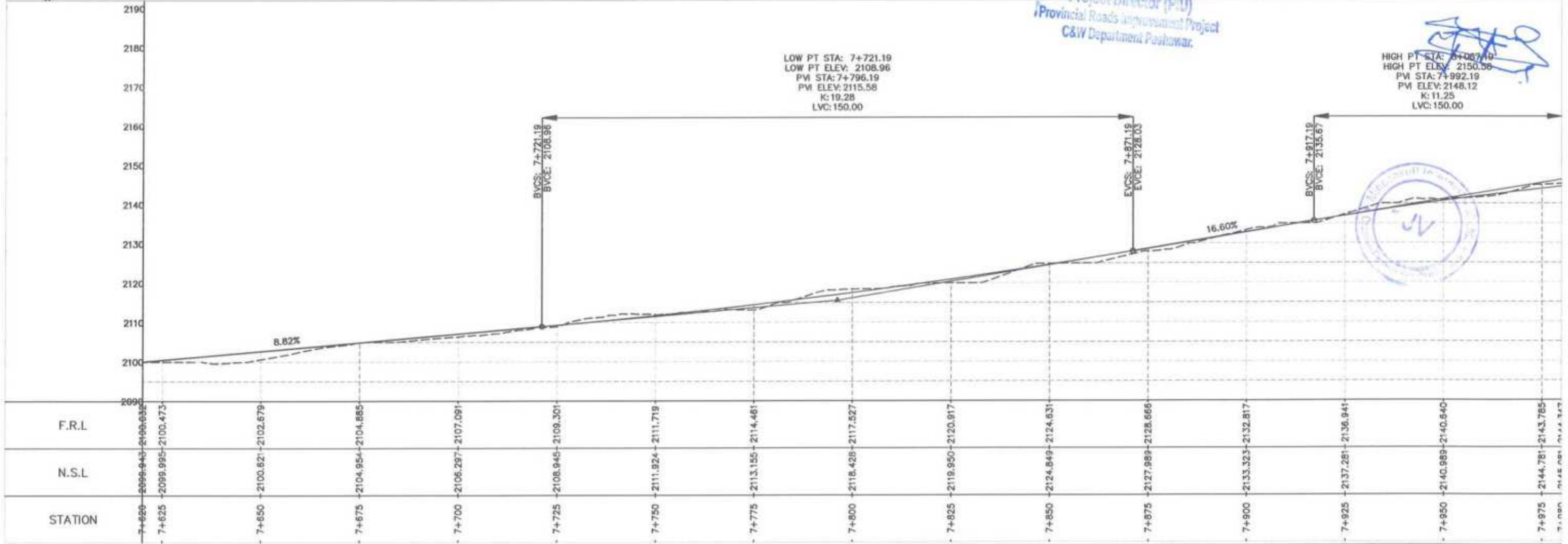
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Pakistan



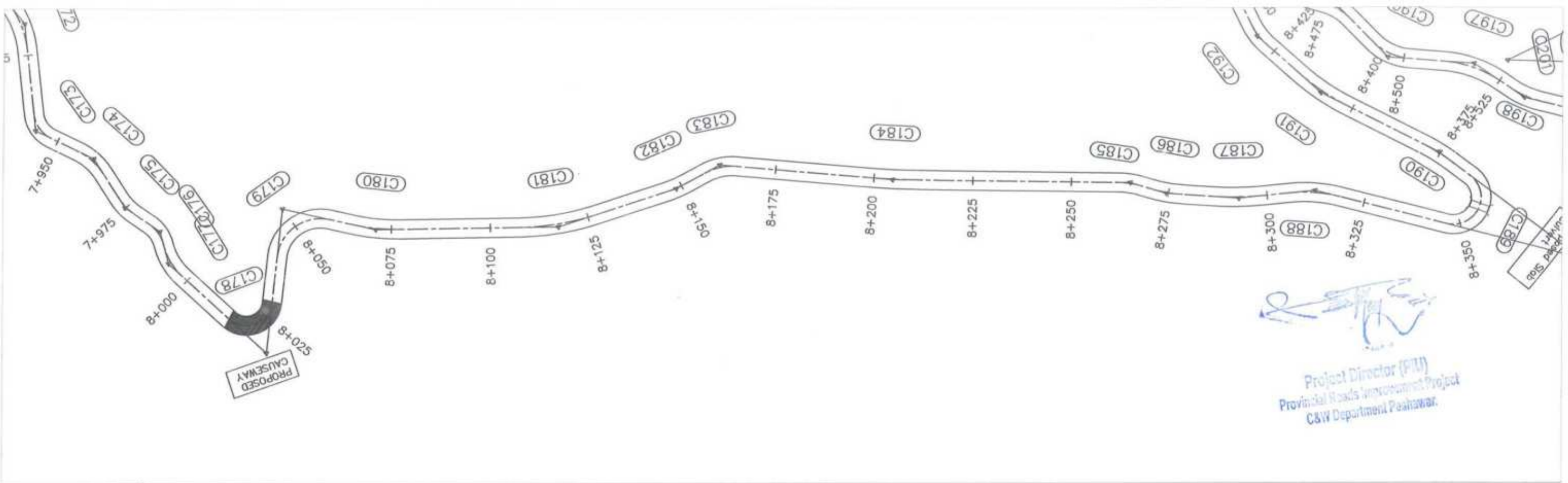
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58336-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024.	PLAN & PROFILE 7+250.00 - 7+620.00 DWG NO: CEC/RRDP/RRDH-CHT-09/1 7
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AQEEL YOUNIS				



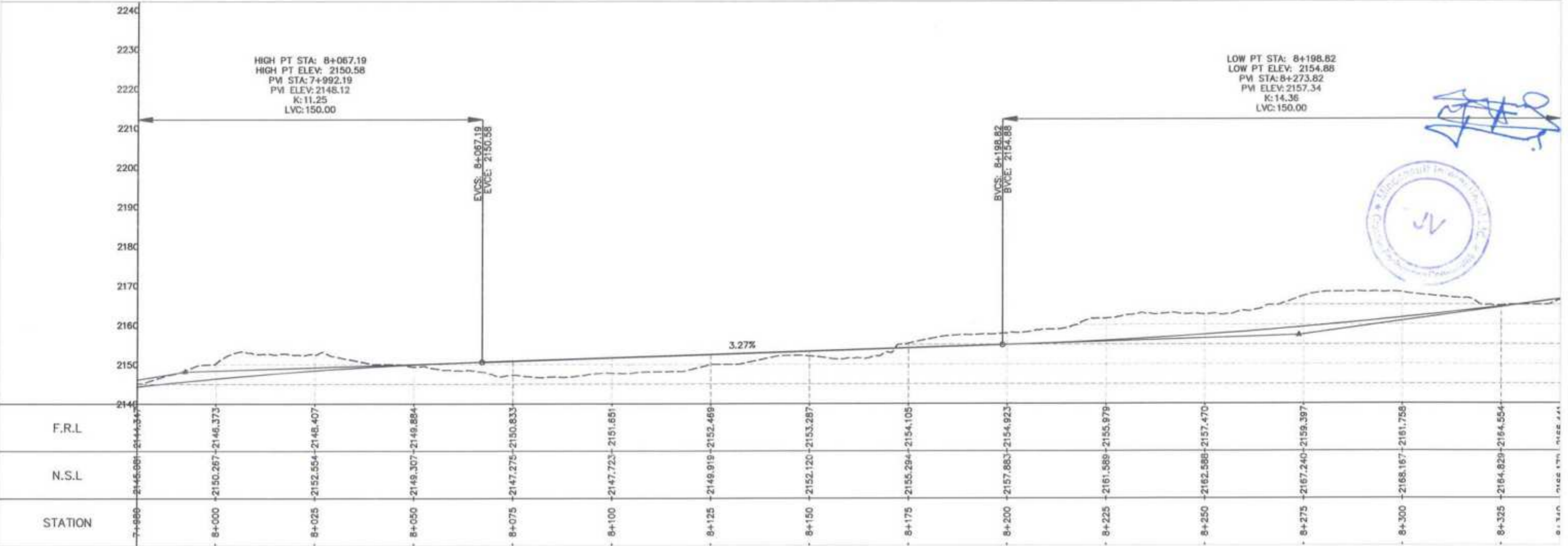
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024.	PLAN & PROFILE 7+620.00 - 7+980.00
		e			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AQEEL YOUNIS						
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP) ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY SCALE: H=1:1000 V=1:500 SHEET CONTENT: PLAN & PROFILE 7+620.00 - 7+980.00 DWG NO: CEC/HRWP/RRDN-CHT-899Y										



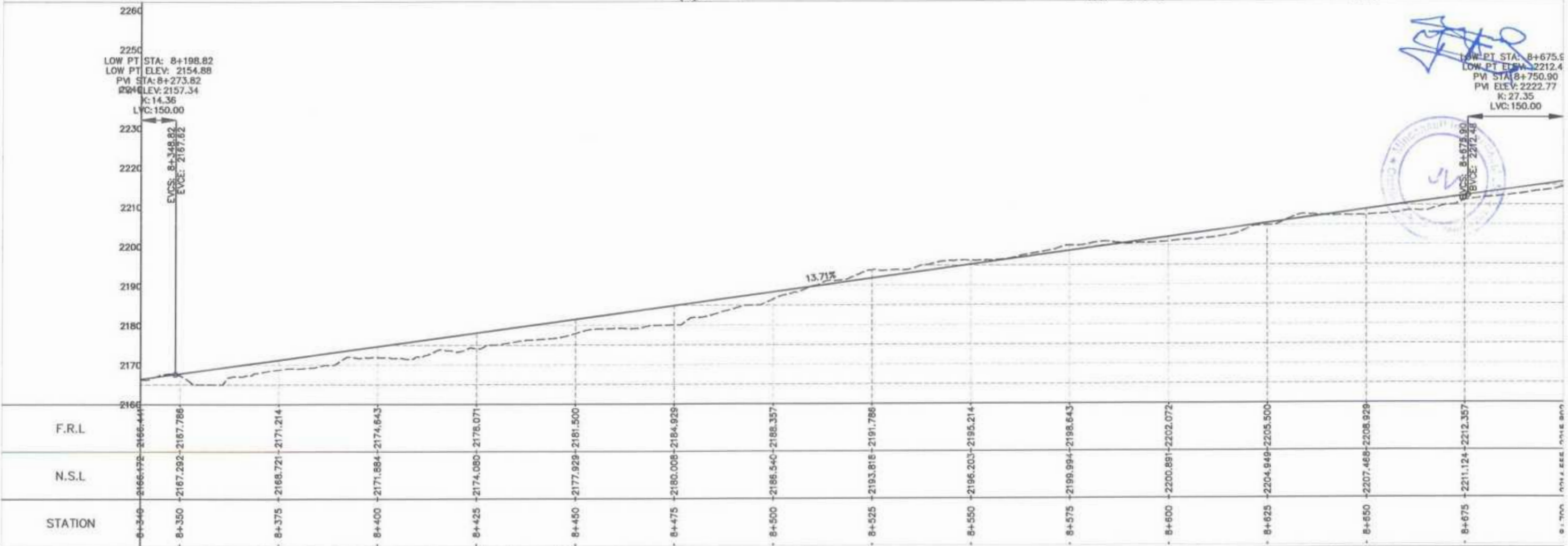
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.




<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024	PLAN & PROFILE 7+980.00 - 8+340.00
		a			DRAWN	IMRAN TARIO								
		b			CHECKED	SHAHZAD DURRANI								
c			APPROVED	AQEEL YOUNIS										
DWG NO. CEC\KWP-RRDN-CHT-SPY 9														

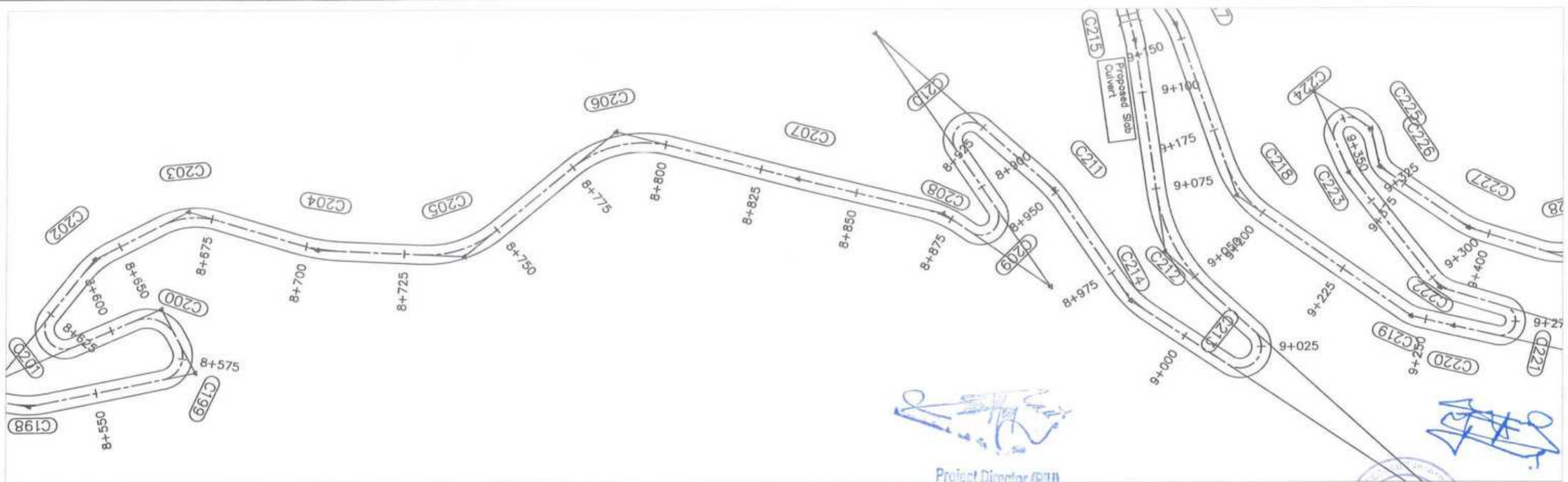



 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

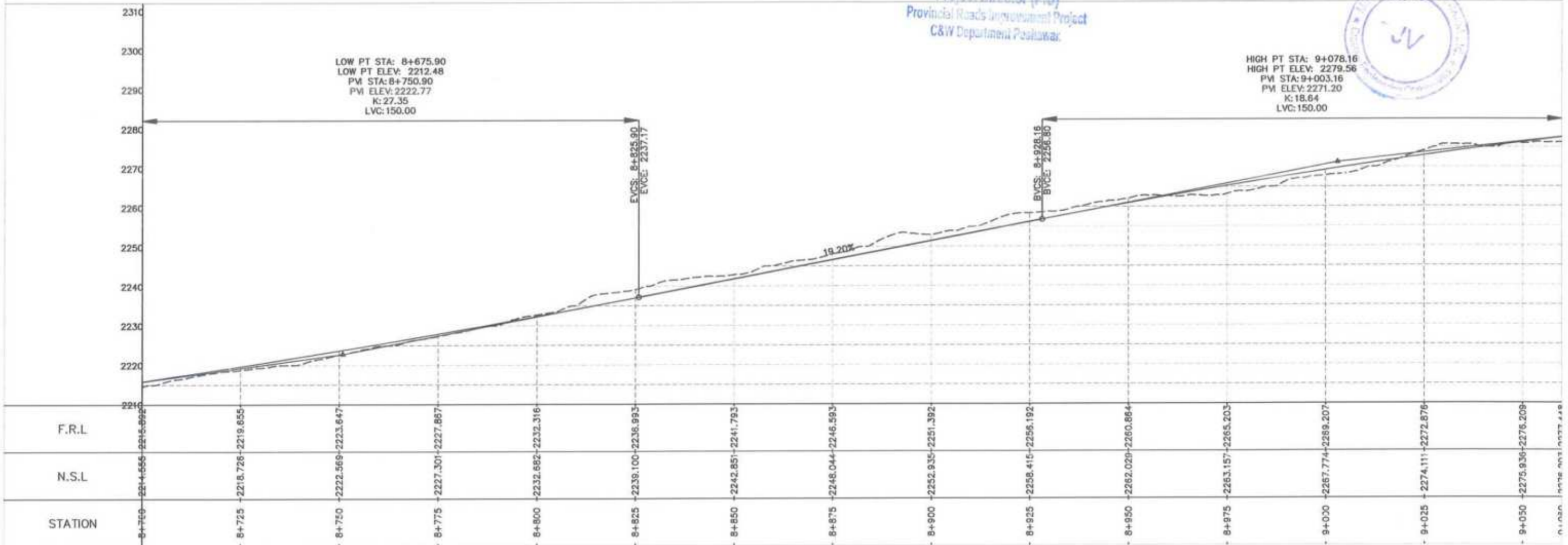



 LOW PT STA: 8+675.90
 LOW PT ELEV: 2212.4
 PVI STA: 8+750.90
 PVI ELEV: 2222.77
 K: 27.35
 LVC: 150.00

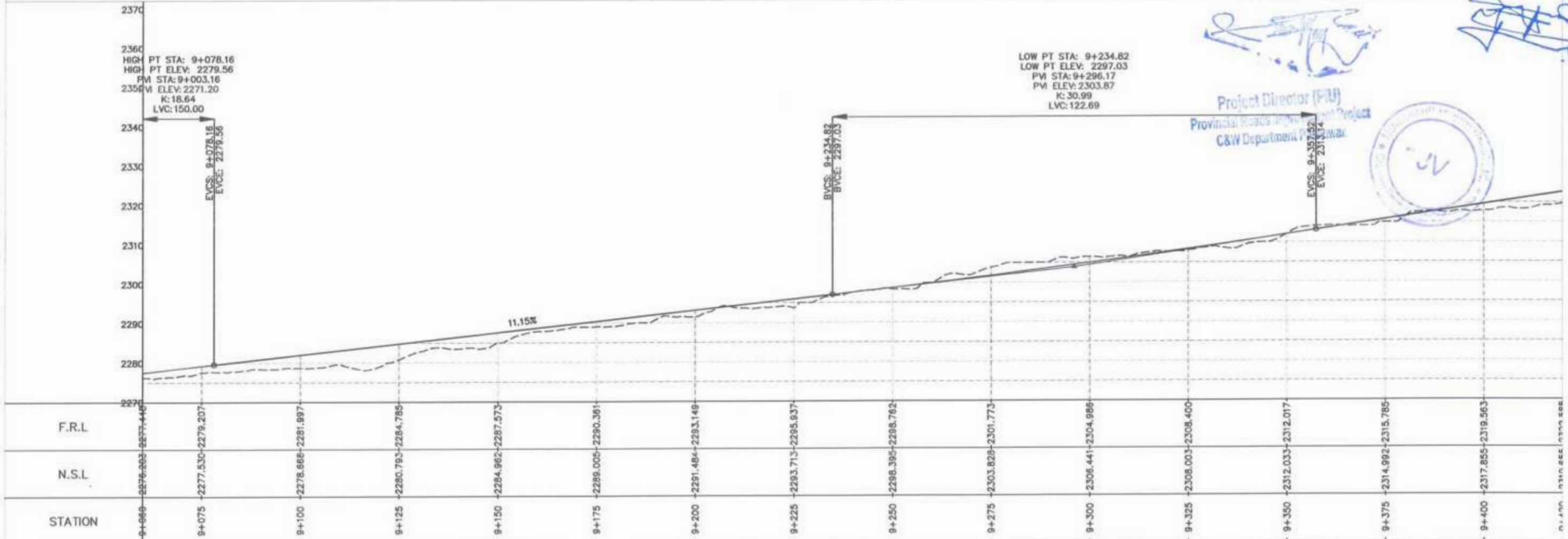
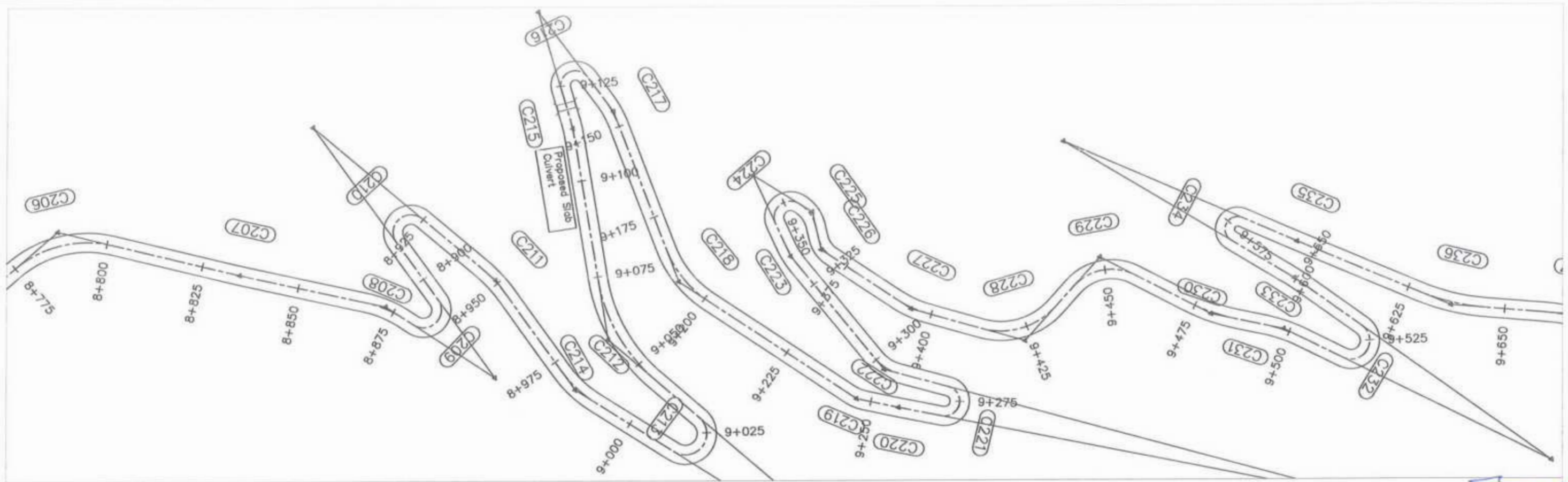
CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO: 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024	PLAN & PROFILE 8+340.00 - 8+700.00 DWG NO: CEC/NWP/RRDP/N-CHT-9/PIU 10
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AGEEL YOUSIF				



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

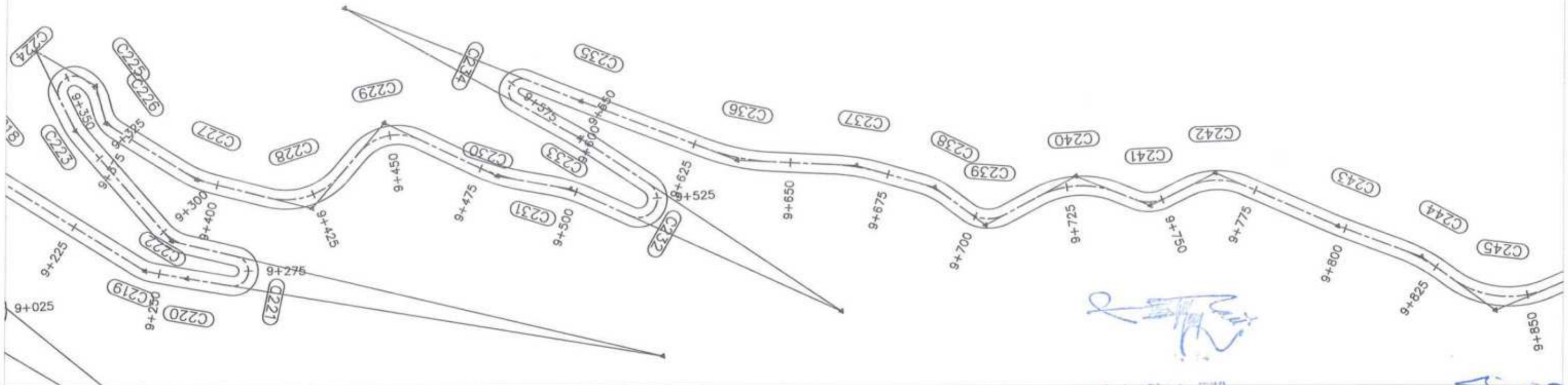


<p>CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	NAMES: G.DESIGNED TANZEEL DRAWN IMRAN TARIQ CHECKED SHANZAD DURRANI APPROVED AQEEL YOUNIS		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG. 2024	SHEET CONTENT: PLAN & PROFILE 8+700.00 - 9+060.00 DWG NO. CEC/HRWP/RRDP/N-CHT-8/PP/ 11
		1								
		2								
		3								



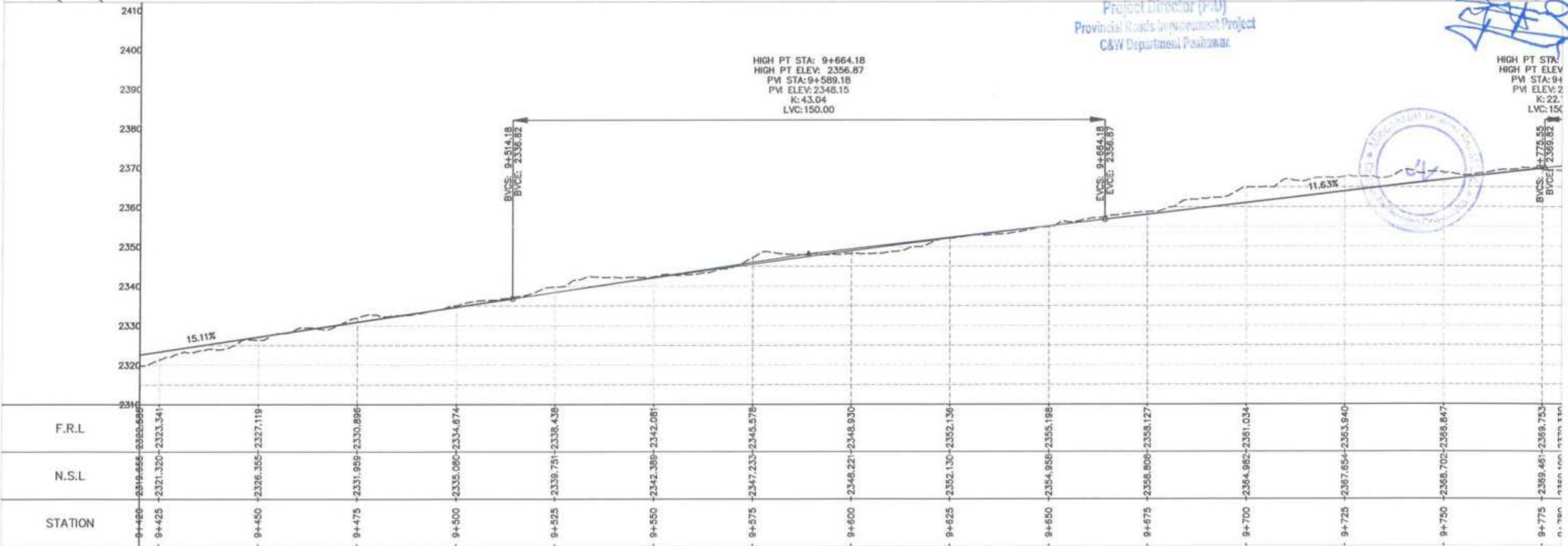
Project Director (PIU)
 Provincial Roads and Highways Project
 C&W Department
 Islamabad

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG. 2024.	PLAN & PROFILE 9+060.00 - 9+420.00
		a			DRAWN	IMRAN TARRIO								
		b			CHECKED	SHANZAD DURRANI								
		c			APPROVED	AQEEL YOUNIS								

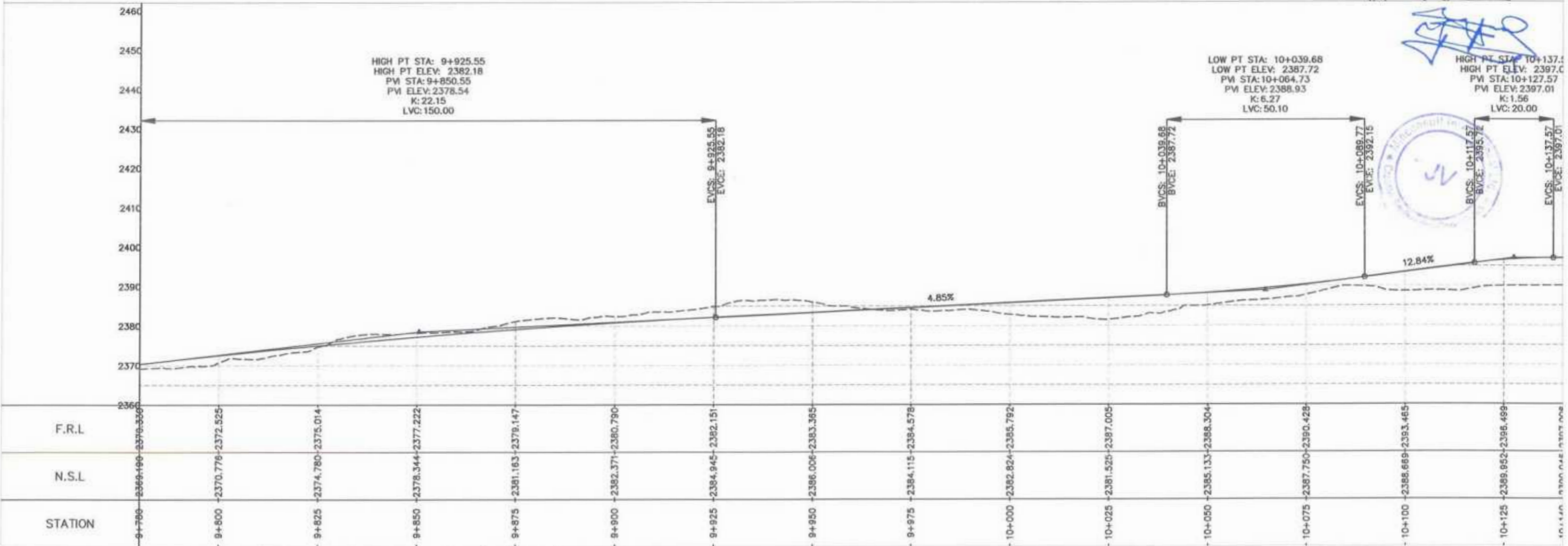
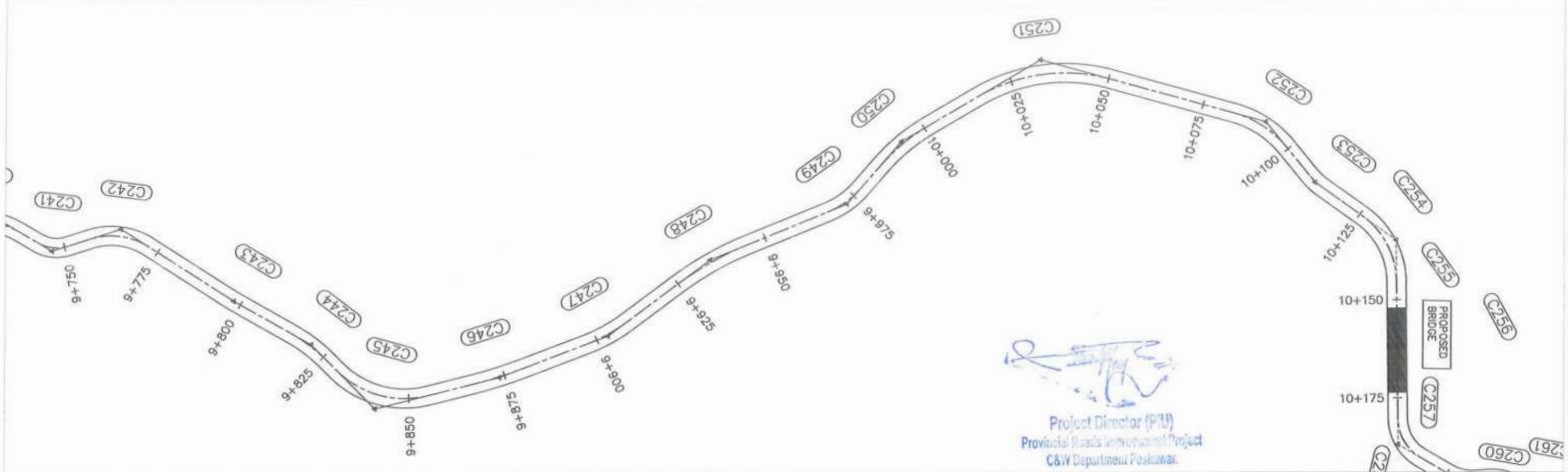


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

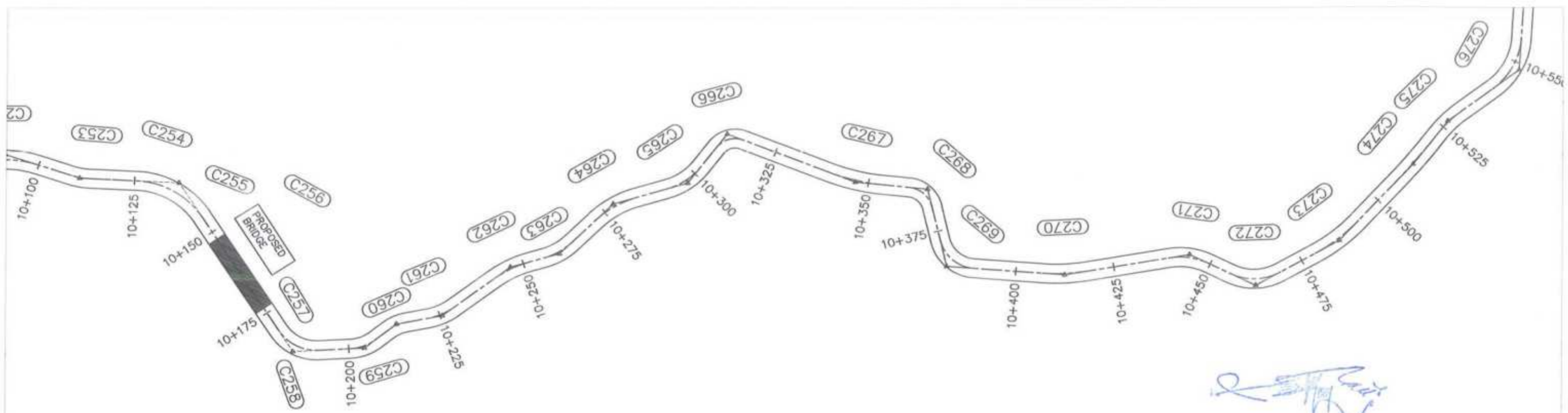
[Handwritten Signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 9+420.00 - 9+780.00 DVG NO: CEC/HKWP-RRDP-NCHT-SPV 13
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	
		a			DRAWN IMRAN TARIQ				
		b			CHECKED SHAHZAD DURRANI				
		c			APPROVED AQEEL YOUNIS				
							DATE:	AUG, 2024.	

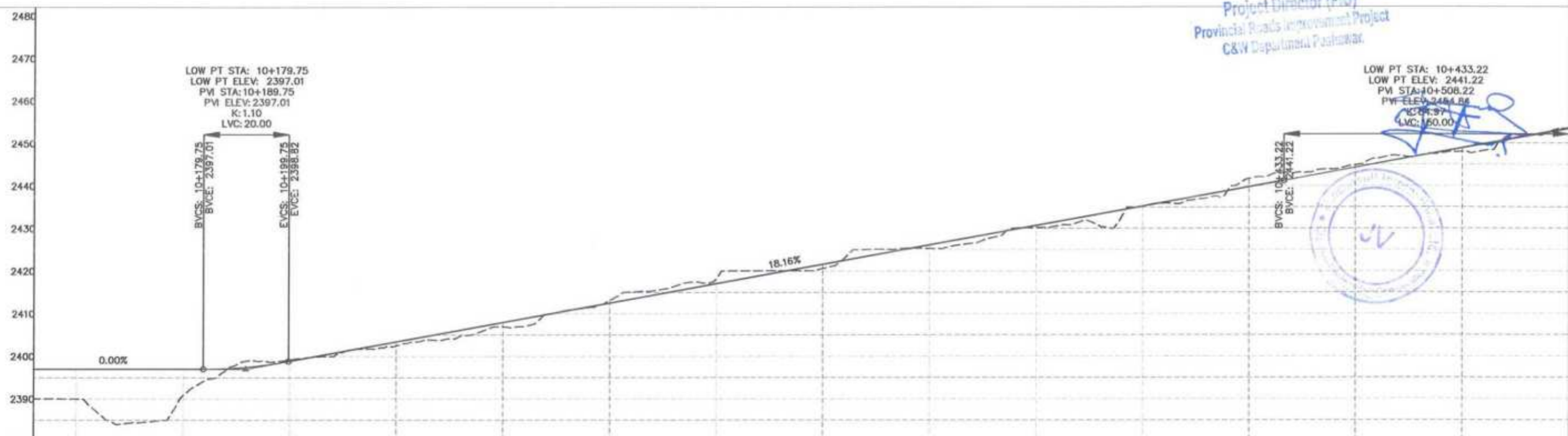


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO: 5835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 9+780.00 - 10+140.00
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AGEEL YOUNIS				
								DATE: AUG. 2024	DWG NO: CEC/HRDP/RRDP/N-CHT-9/PPV 14



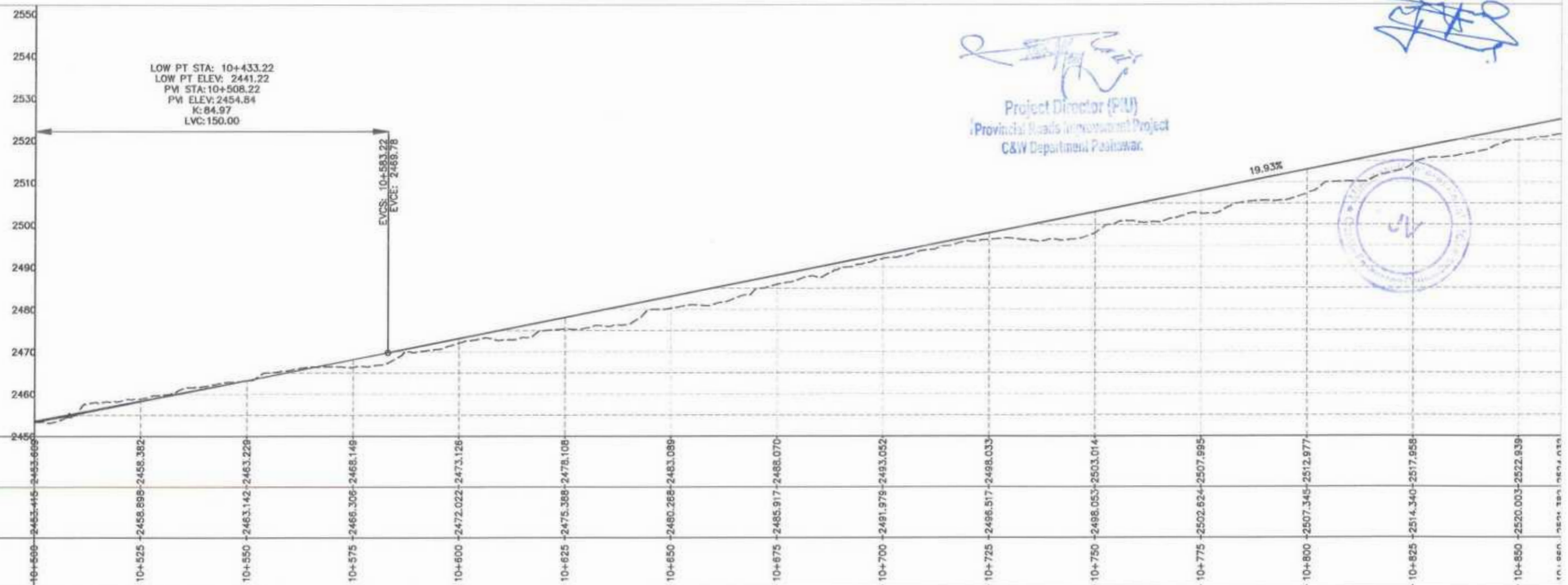
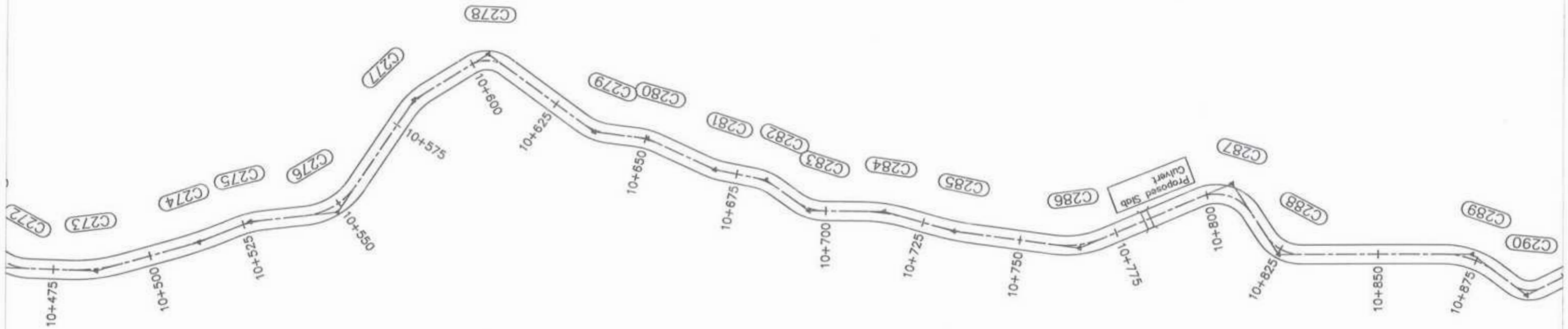
[Handwritten Signature]

Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

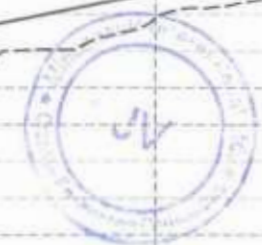





F.R.L	10+140	10+150	10+175	10+200	10+225	10+250	10+275	10+300	10+325	10+350	10+375	10+400	10+425	10+450	10+475	10+500	10+550
N.S.L	2396.646	2390.015	2390.757	2398.867	2402.485	2406.926	2413.197	2418.164	2420.594	2425.311	2430.198	2435.186	2441.689	2444.863	2448.013	2448.909	2448.909
STATION	10+140	10+150	10+175	10+200	10+225	10+250	10+275	10+300	10+325	10+350	10+375	10+400	10+425	10+450	10+475	10+500	10+550

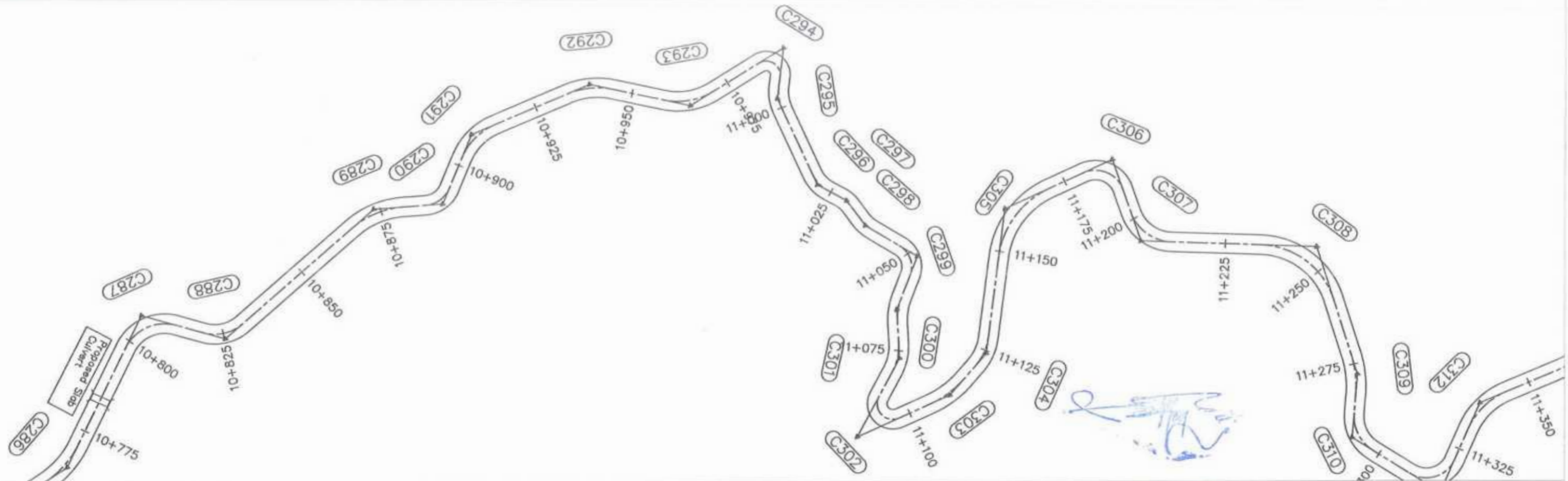
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024.	PLAN & PROFILE 10+140.00 - 10+500.00
		a			DRAWN	IMRAN TARIQ								
		b			CHECKED	SHAHZAD DURRANI								
c			APPROVED	AGEEL YOUNIS										
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP) ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY SCALE: H=1:1000, V=1:500, DATE: AUG, 2024. SHEET CONTENT: PLAN & PROFILE 10+140.00 - 10+500.00 SHEET NO: CEC/HRKP/RRDN-CHT-SPW 15														




 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

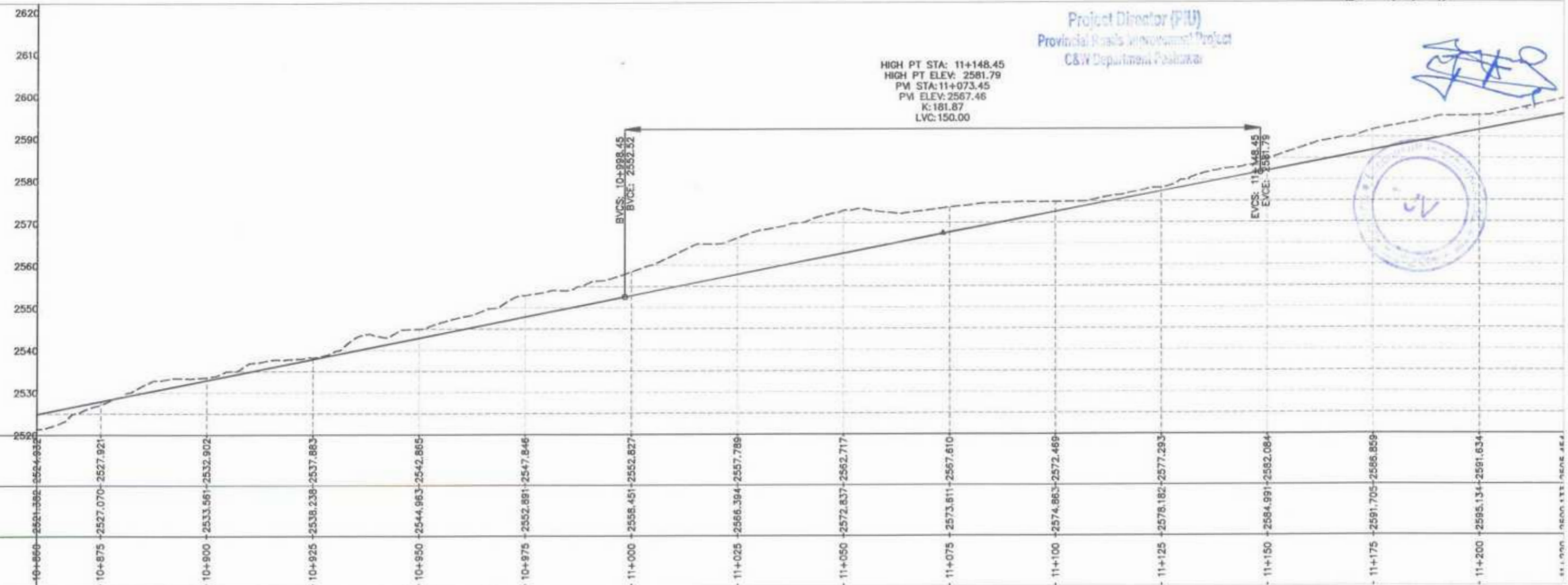


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 10+500.00 - 10+860.00 DWG NO: CEC/HWKP/RRDN/CHT-18/24 16
		a			DRAWN IMRAN TARIQ				
		b			CHECKED SHAHZAD DURRANI				
		c			APPROVED AQEEL YOUNIS				

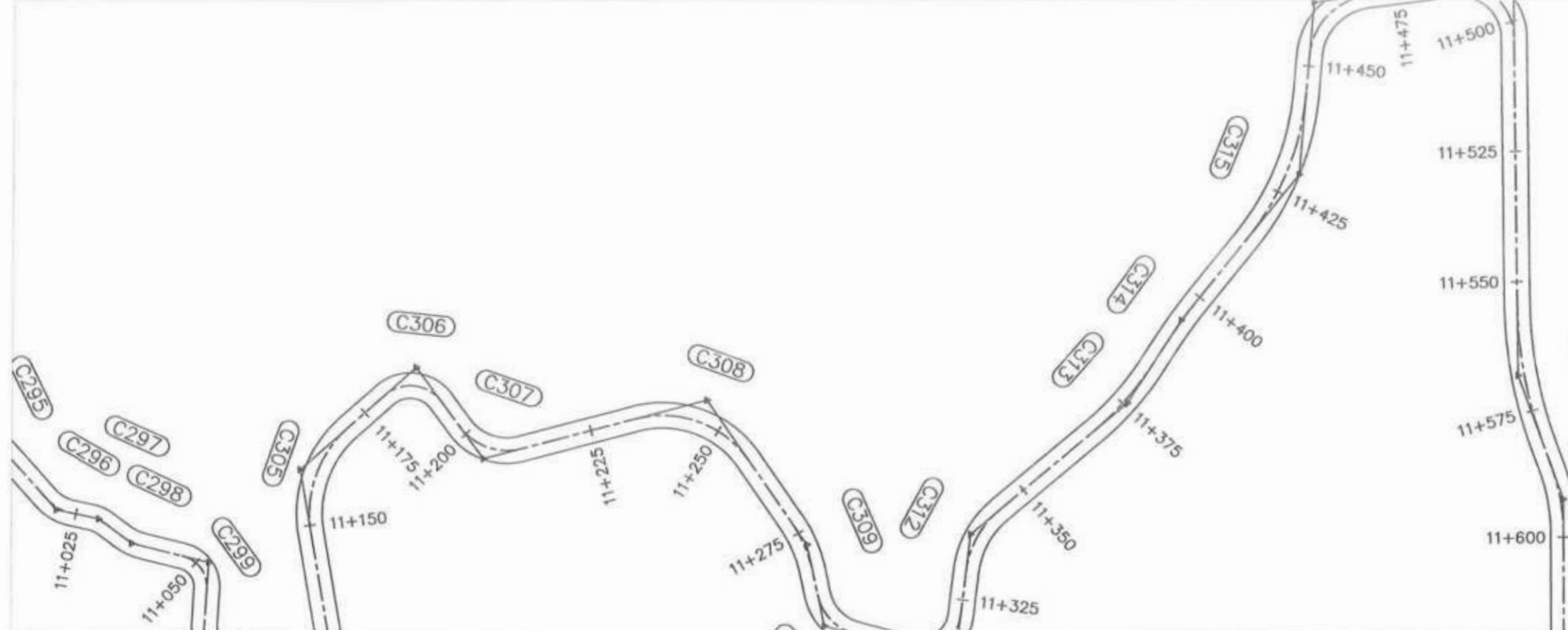


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

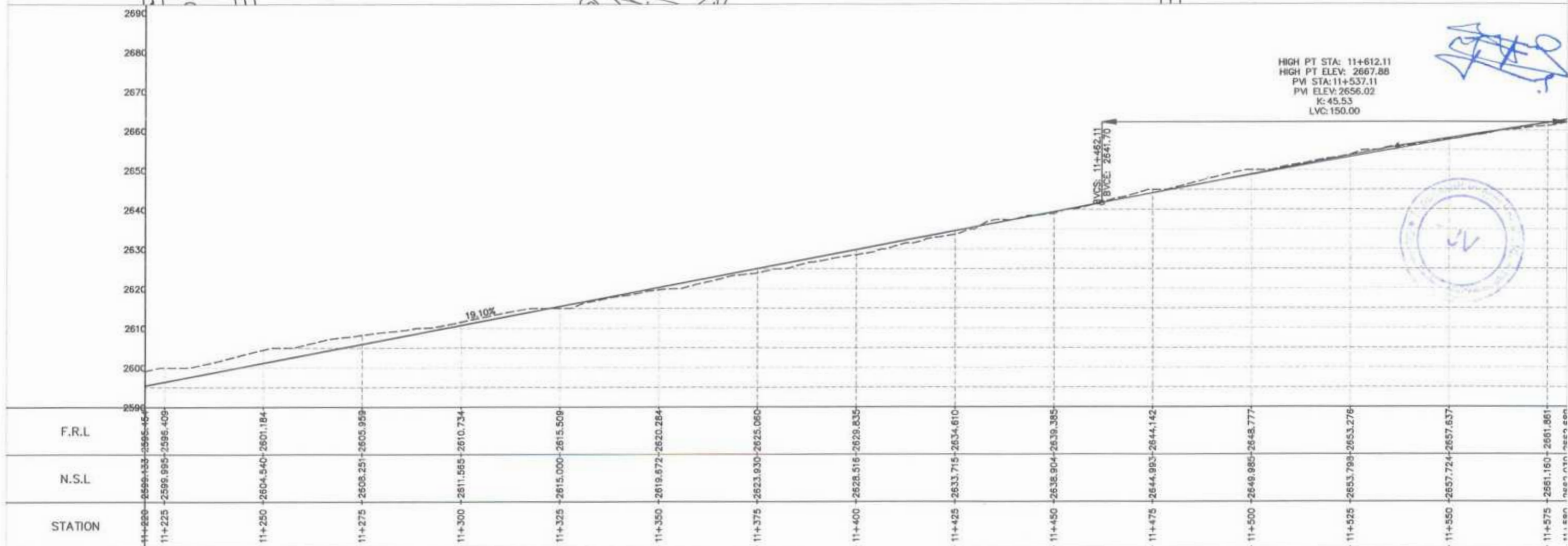
HIGH PT STA: 11+148.45
 HIGH PT ELEV: 2581.79
 PM STA: 11+073.45
 PM ELEV: 2567.46
 K: 181.87
 LVC: 150.00






<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	H=1:1000 V=1:500	PLAN & PROFILE 10+860.00 - 11+220.00
		a			DRAWN	IMRAN TARIQ								
		b			CHECKED	SHAHZAD DURRANI								
		c			APPROVED	AQEEL YOUNIS								
						PROJECT:		SCALE:		SHEET CONTENT:				
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)		H=1:1000 V=1:500		PLAN & PROFILE 10+860.00 - 11+220.00				
								DATE:		DWG NO: CEC/HWKP/RRDN-CHT-SPPY 17				
								AUG, 2024,						



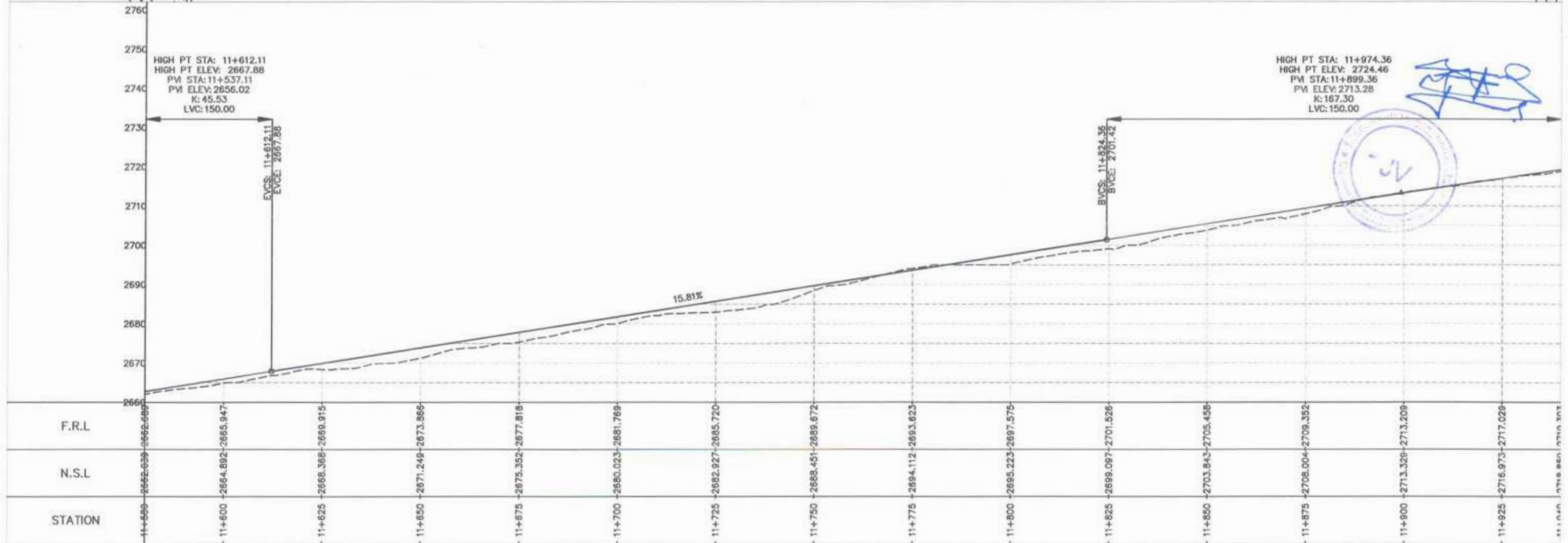
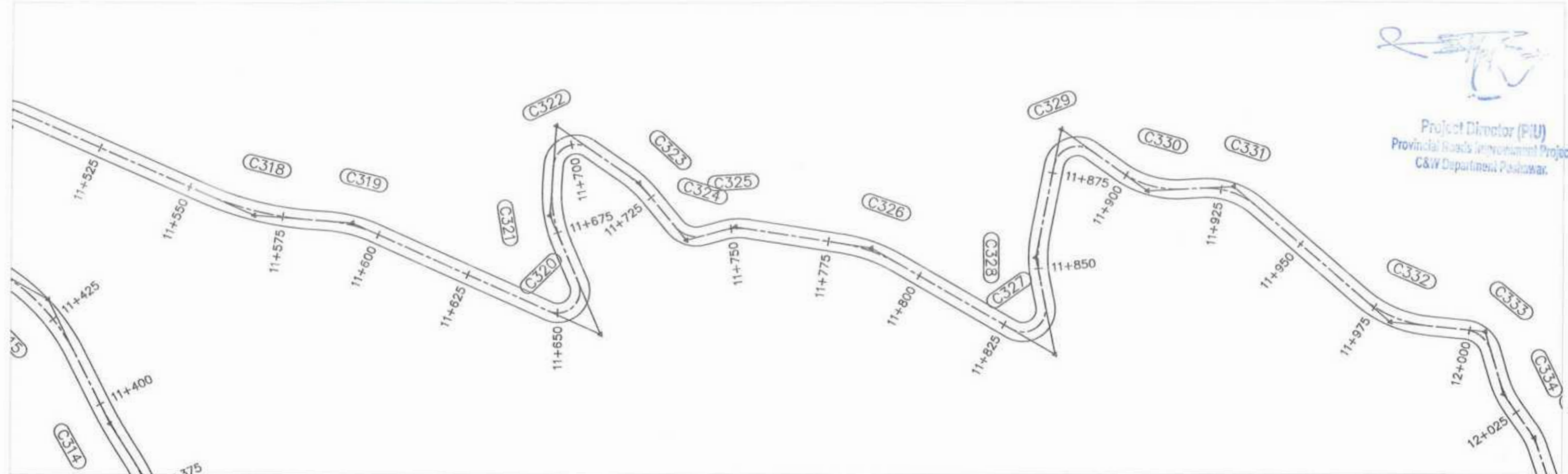

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO 58035-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 11+220.00 - 11+580.00 DWG NO: CEC/RRDP/RRDM-CHT-9/PPV 18
		a			DRAWN IMRAN TARIQ				
		b			CHECKED SHAHZAD DURRANI				
		c			APPROVED AGEEL YOUNIS				

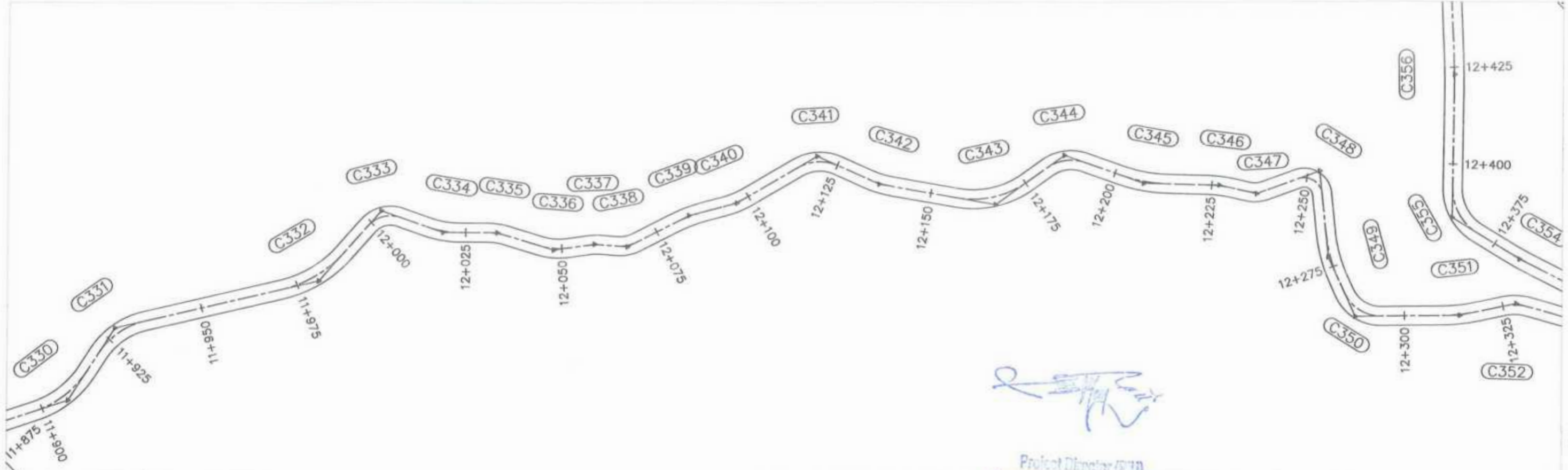
[Handwritten Signature]

Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

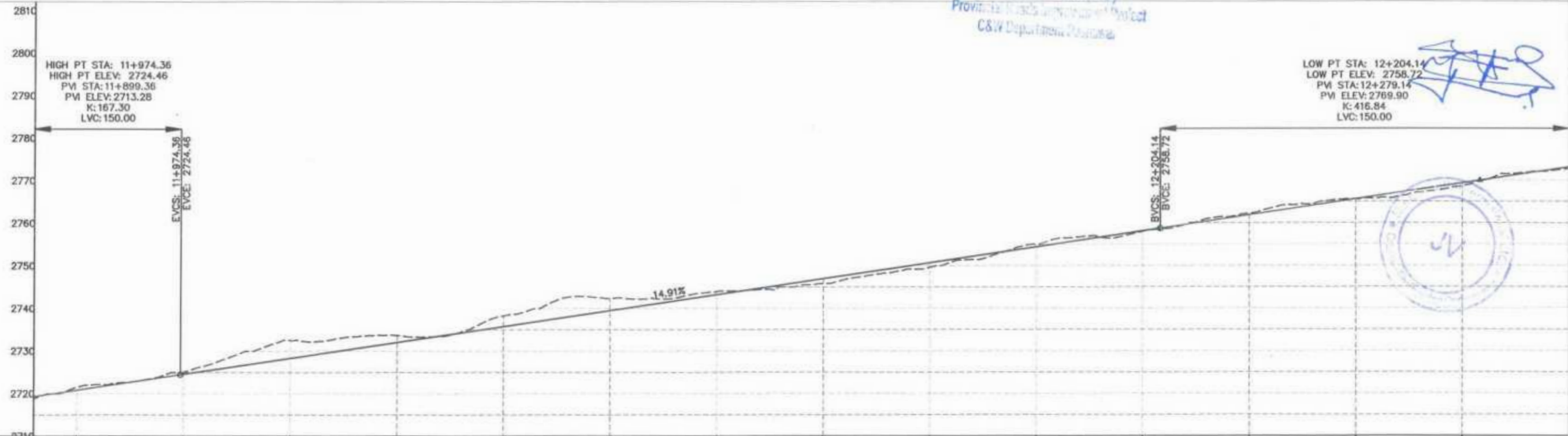


[Handwritten Signature]

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	PLAN & PROFILE 11+580.00 - 11+940.00
		b			DRAWN	IMRAN TARIQ			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG. 2024.	
			APPROVED	AGEEL YOUNIS	DWG NO. CEC/RRDP/RRDN/CHT-099/					

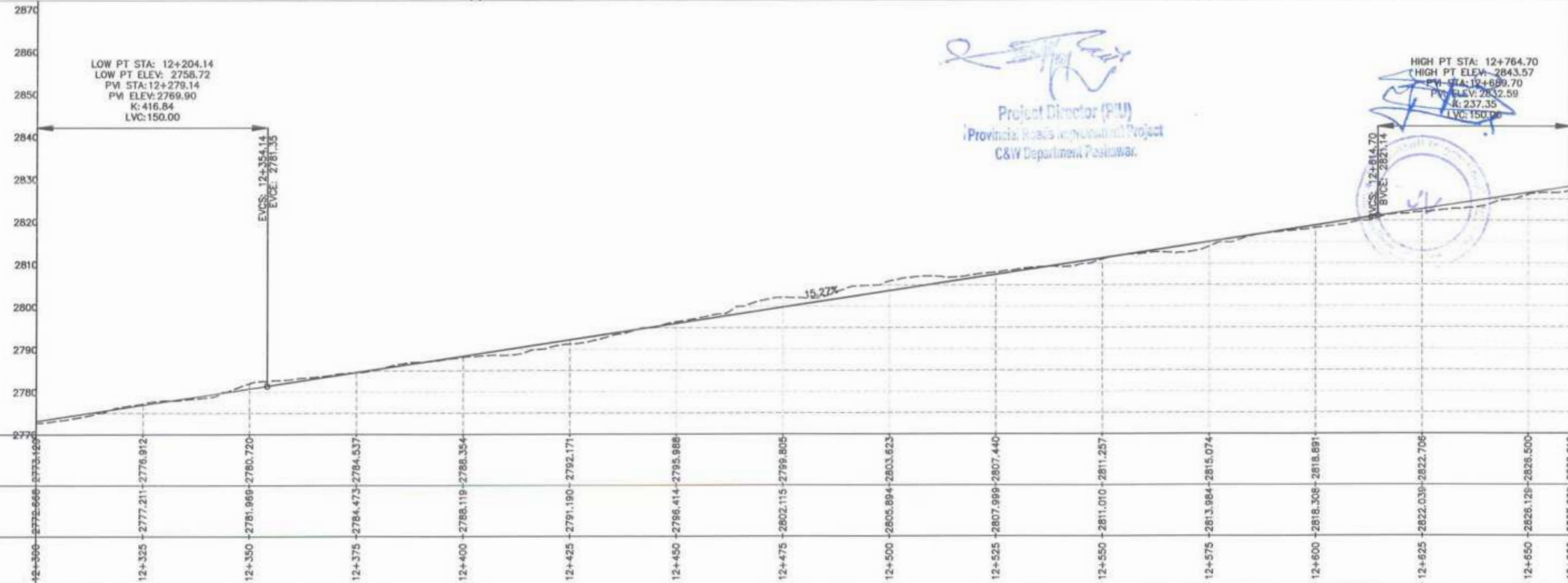
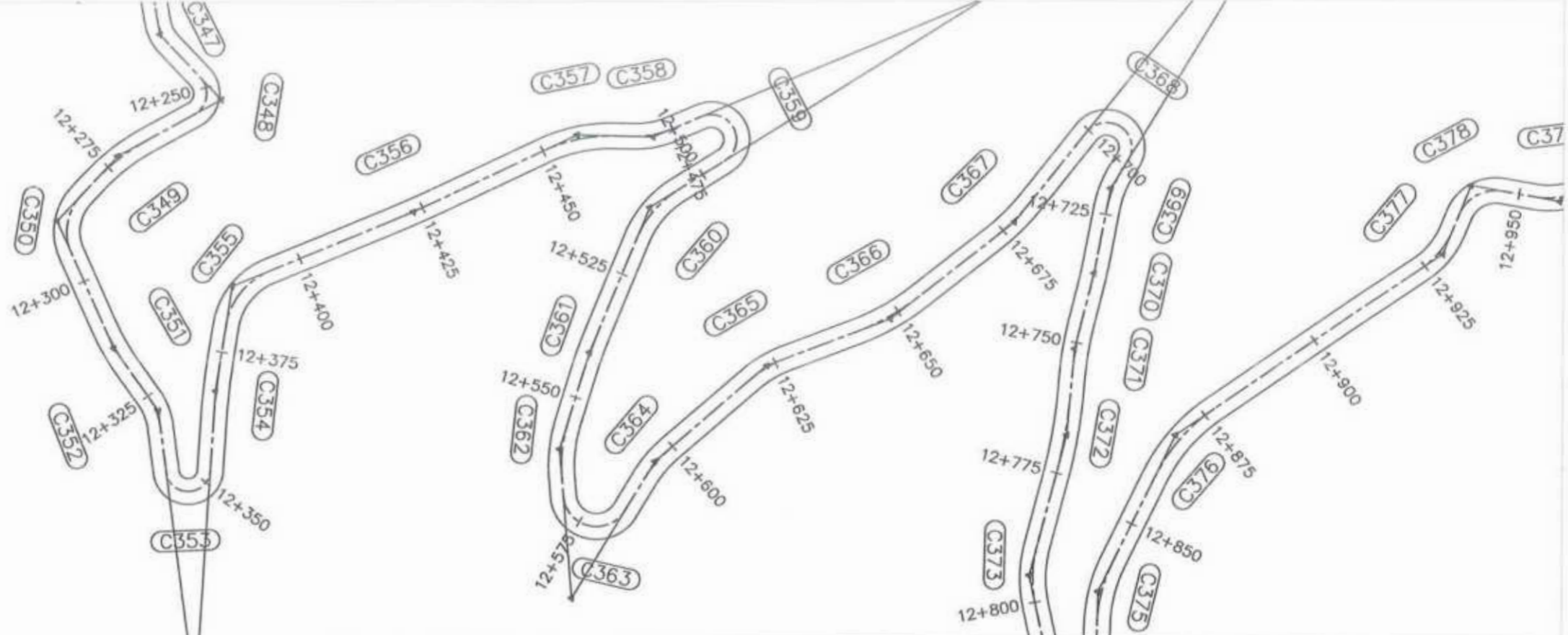


[Handwritten Signature]
 Project Director (RRD)
 Provincial Road Development Project
 C&W Department, Peshawar

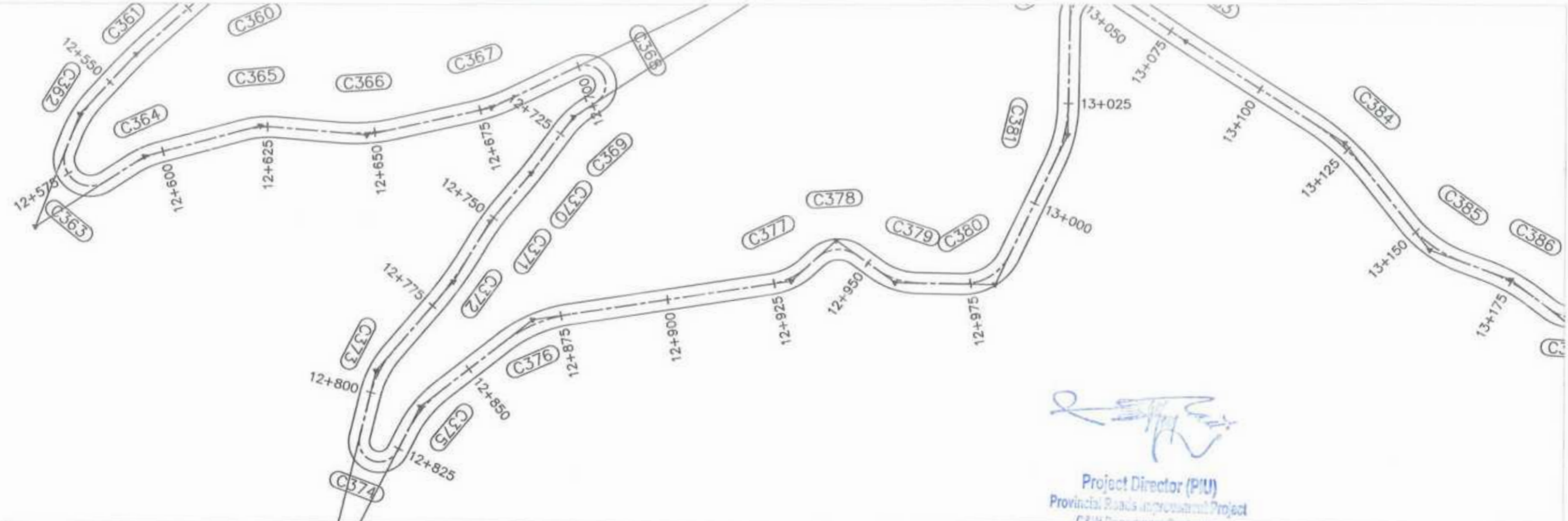


F.R.L	2719.500	2720.811	2724.556	2728.283	2732.010	2735.738	2739.465	2743.192	2746.919	2750.647	2754.374	2758.101	2761.834	2765.561	2769.288	2773.015
N.S.L	2719.500	2721.477	2725.016	2732.521	2733.700	2738.265	2742.374	2743.936	2745.788	2749.577	2754.988	2758.014	2762.211	2765.568	2768.639	2771.500
STATION	11+875	11+950	11+975	12+000	12+025	12+050	12+075	12+100	12+125	12+150	12+175	12+200	12+225	12+250	12+275	

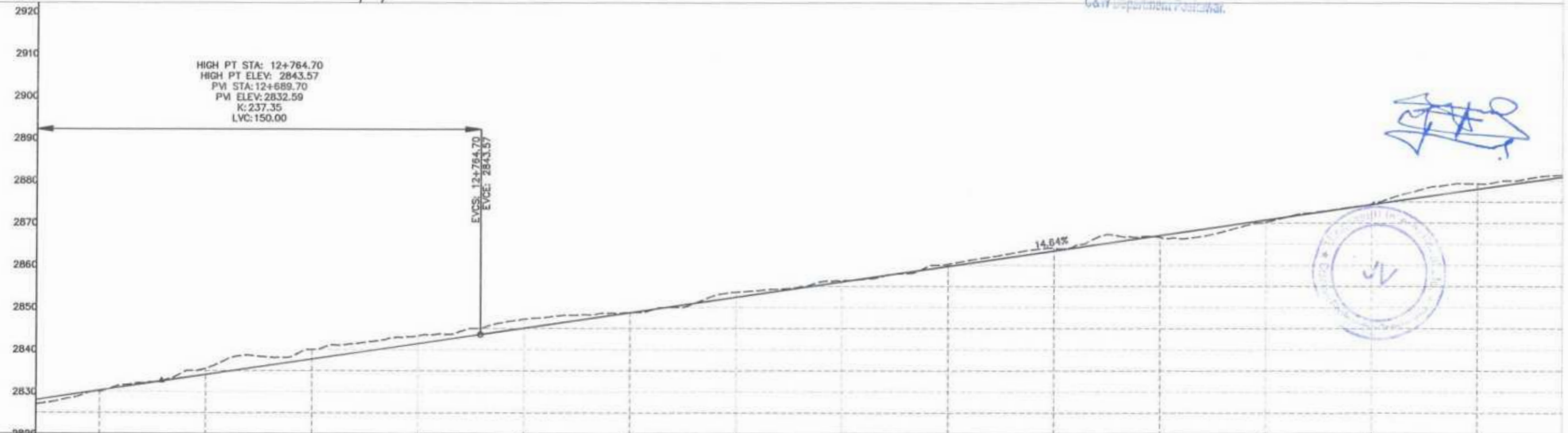
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE:	SHEET CONTENT: PLAN & PROFILE 11+940.00 - 12+300.00 DWG NO: CEC/RRDP/RRDN-CHT-09/PI 20
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED TANZEEL			H=1:1000	
		a			DRAWN IMRAN TARIQ			V=1:500	
		b			CHECKED SHAHZAD DURRANI			DATE:	
					APPROVED AQEEL YOUNIS			AUG. 2024	



CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	H=1:1000 V=1:500	PLAN & PROFILE 12+300.00 - 12+660.00 DWG NO: CEC/RWP/RRDP-CHT-9/PPV 21
		e			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: ACEEL YOUNIS				



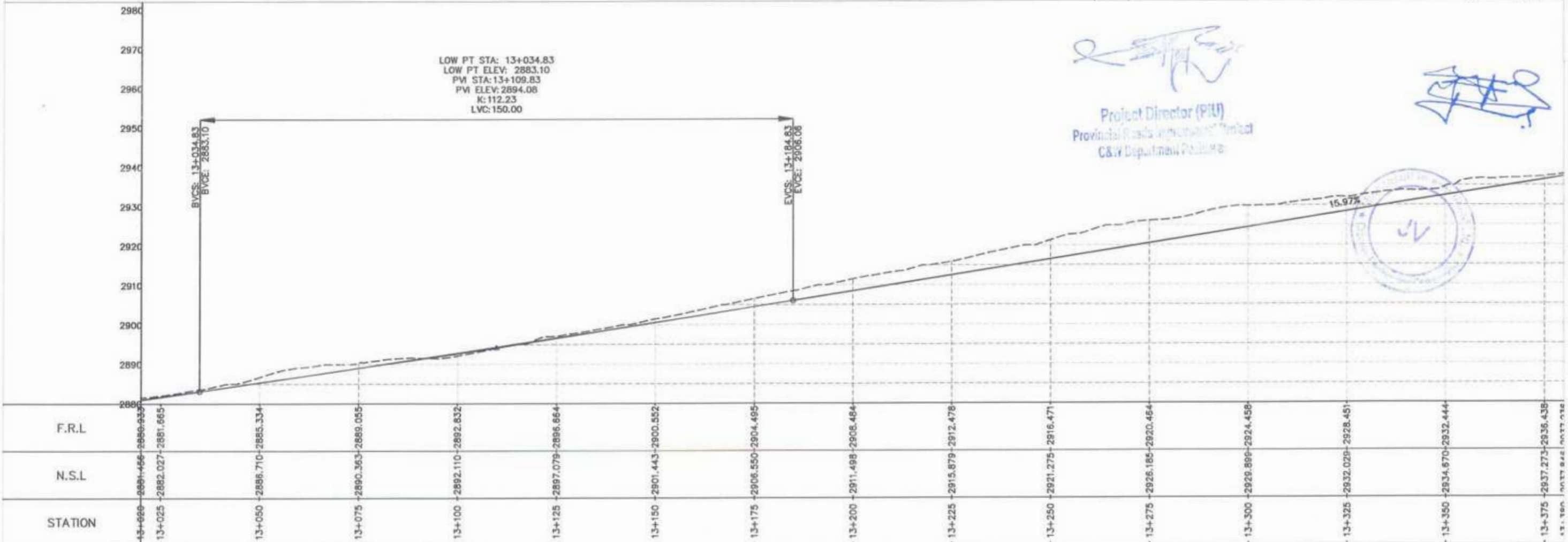
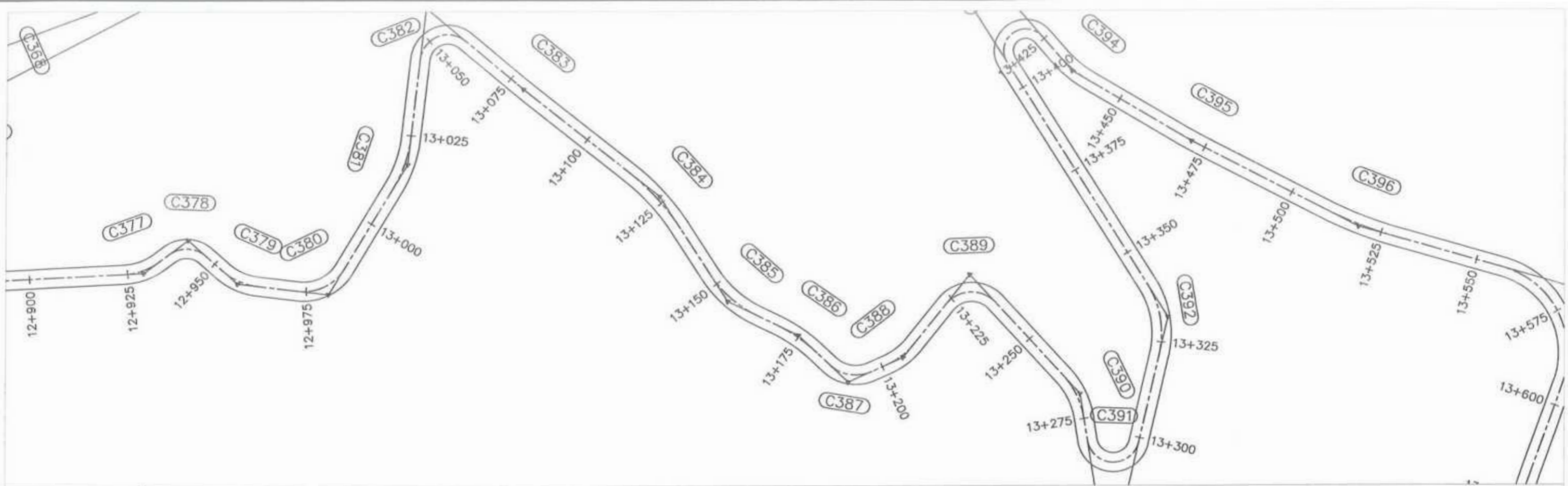
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar.



HIGH PT STA: 12+764.70
 HIGH PT ELEV: 2843.57
 PM STA: 12+689.70
 PM ELEV: 2832.59
 K: 237.35
 LVC: 150.00

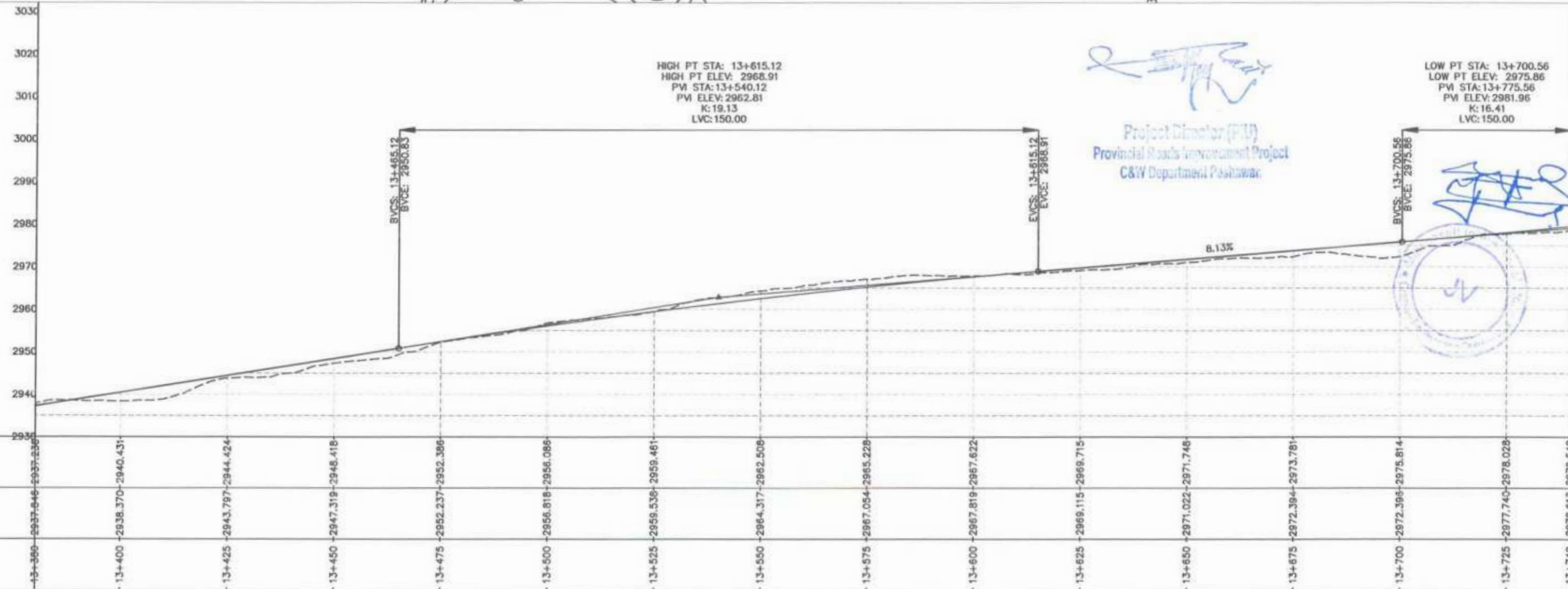
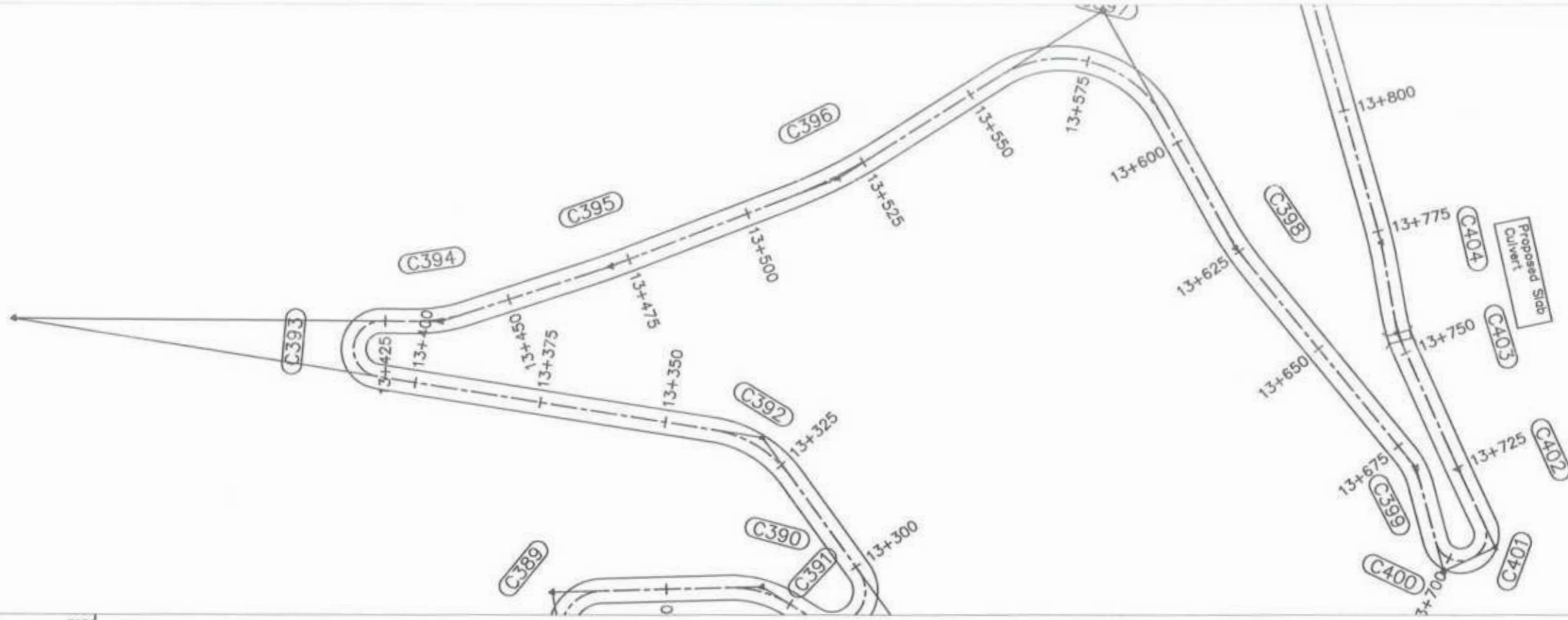
F.R.L	12+660	12+675	12+700	12+725	12+750	12+775	12+800	12+825	12+850	12+875	12+900	12+925	12+950	12+975	13+000
N.S.L	2827.629	2830.006	2835.498	2837.721	2843.224	2845.073	2848.732	2853.614	2856.050	2860.245	2864.040	2866.810	2870.149	2874.346	2878.006
STATION	12+660	12+675	12+700	12+725	12+750	12+775	12+800	12+825	12+850	12+875	12+900	12+925	12+950	12+975	13+000

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE:	SHEET CONTENT: PLAN & PROFILE 12+660.00 - 13+020.00 DWG NO. CEC/RRDP-NRDN-CHT-9PPY 22
		a	AUG. 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL			H=1:1000	
		d			DRAWN IMRAN TARIQ			V=1:500	
		b			CHECKED SHAHZAD DURRANI			DATE:	
					APPROVED AQEEL YOUNIS			AUG. 2024.	



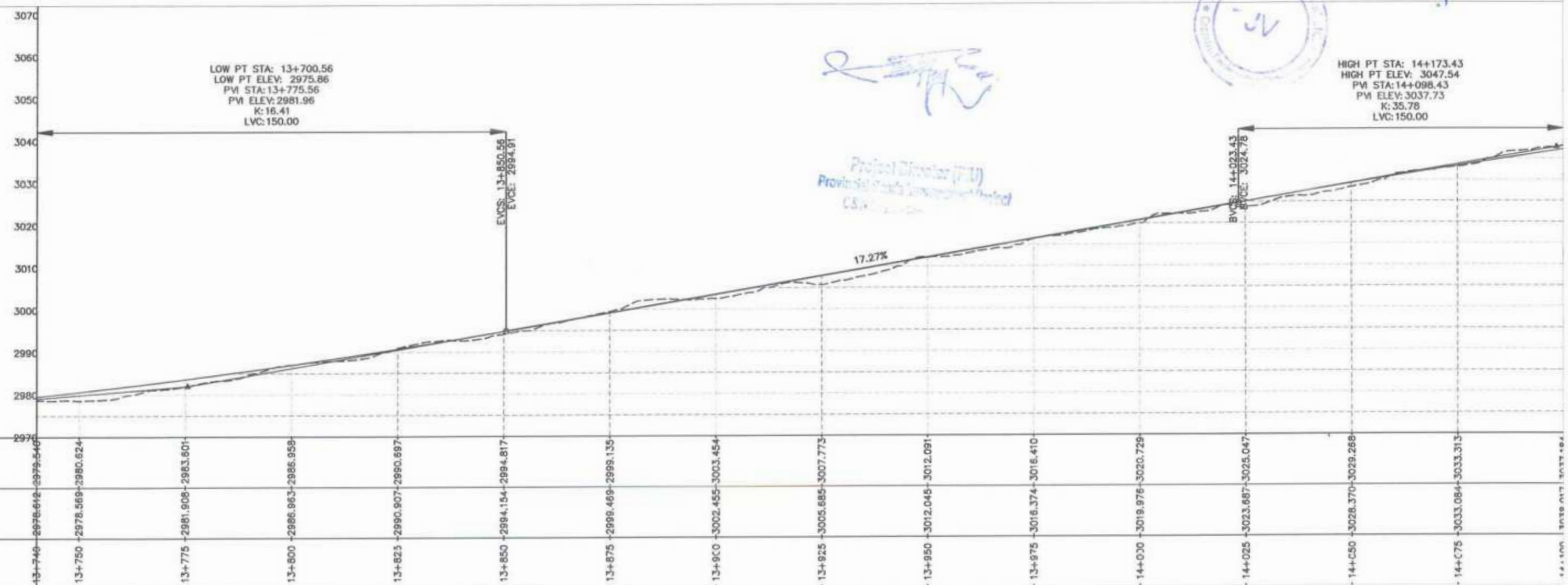
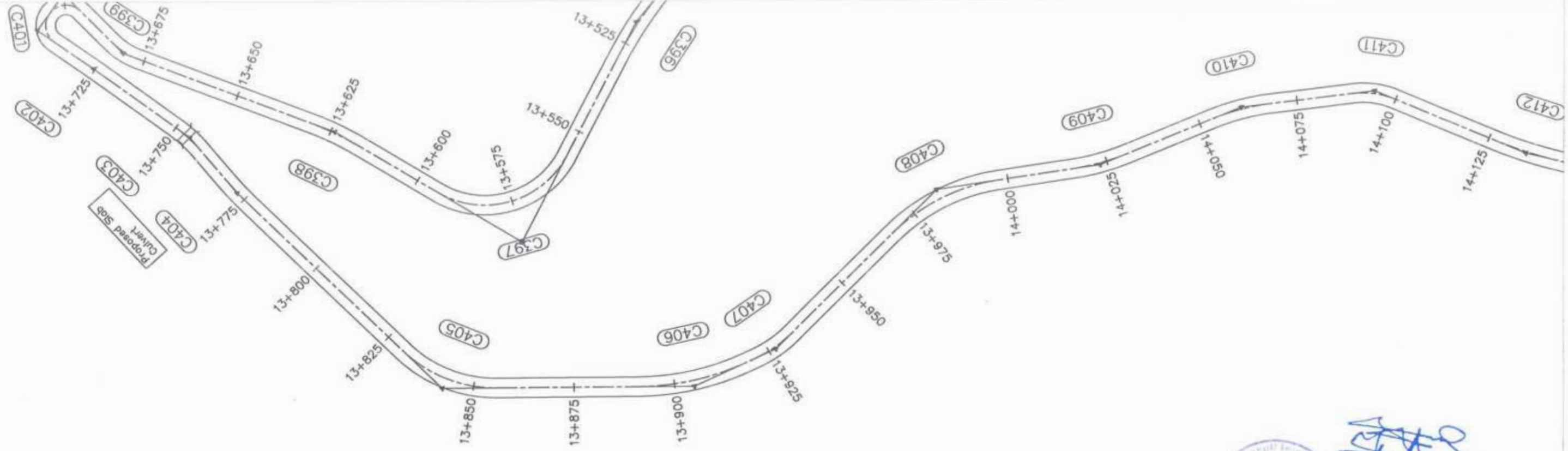
STATION	N.S.L	F.R.L
13+000	2881.456	2880.939
13+025	2882.027	2881.665
13+050	2886.710	2885.334
13+075	2890.393	2889.055
13+100	2892.110	2892.832
13+125	2897.079	2896.664
13+150	2901.443	2900.552
13+175	2906.550	2904.495
13+200	2911.498	2908.484
13+225	2915.879	2912.478
13+250	2921.275	2916.471
13+275	2926.185	2920.454
13+300	2929.899	2924.458
13+325	2932.029	2928.451
13+350	2934.670	2932.444
13+375	2937.273	2936.438
13+400	2939.842	2940.432

CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD <small>(COMPANY NO. 58835-P)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	d	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000	PLAN & PROFILE 13+020.00 - 13+380.00
		e			DRAWN: IMRAN TARIQ			V=1:500	
		b			CHECKED: SHAHZAD DURRANI			DATE:	
		c			APPROVED: AGEEL YOUNIS			AUG, 2024	
								DWG NO: CEC/HRDP/RRDP/N-CHT-3/PP	23



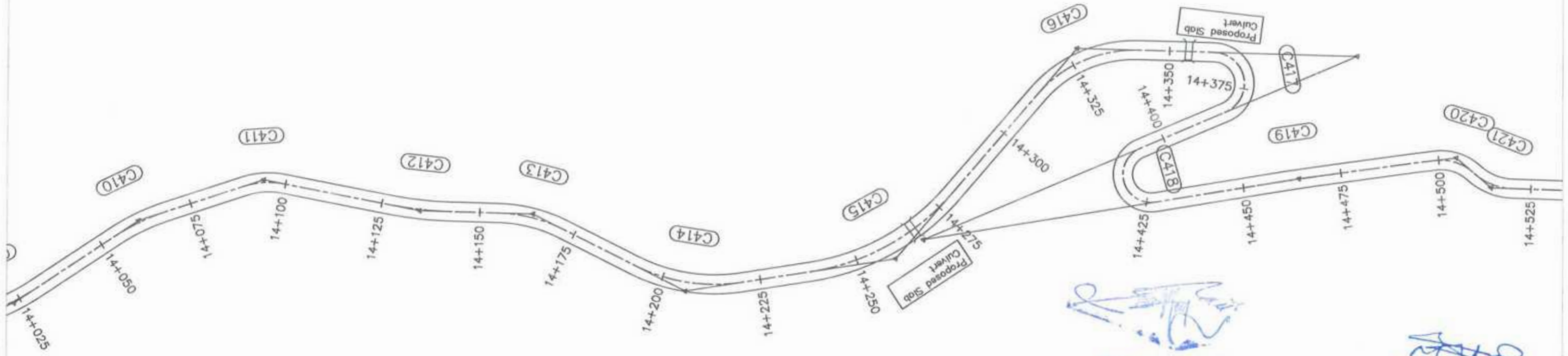
STATION	N.S.L	F.R.L
13+300	2937.646	2937.236
13+400	2938.370	2940.431
13+425	2943.797	2944.424
13+450	2947.319	2946.418
13+475	2952.237	2952.386
13+500	2956.818	2956.086
13+525	2959.536	2959.481
13+550	2964.317	2962.508
13+575	2967.054	2965.228
13+600	2967.819	2967.622
13+625	2969.115	2969.715
13+650	2971.022	2971.748
13+675	2972.394	2973.761
13+700	2972.396	2975.814
13+725	2977.740	2978.028

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO 58335-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0	DATE AUG. 2024	DESCRIPTION TENDER DRAWINGS	NAMES G.DESIGNED TANZEEL DRAWN IMRAN TARIO CHECKED SHAHZAD DURRANI APPROVED AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG. 2024	SHEET CONTENT: PLAN & PROFILE 13+380.00 - 13+740.00 DWG NO: CEC/HRKP/RRDP/N-CHT-SPV 24	
		REV a								
		REV b								
		REV c								



Project Director (PIU)
Provincial Road Development Authority
C.S.A.

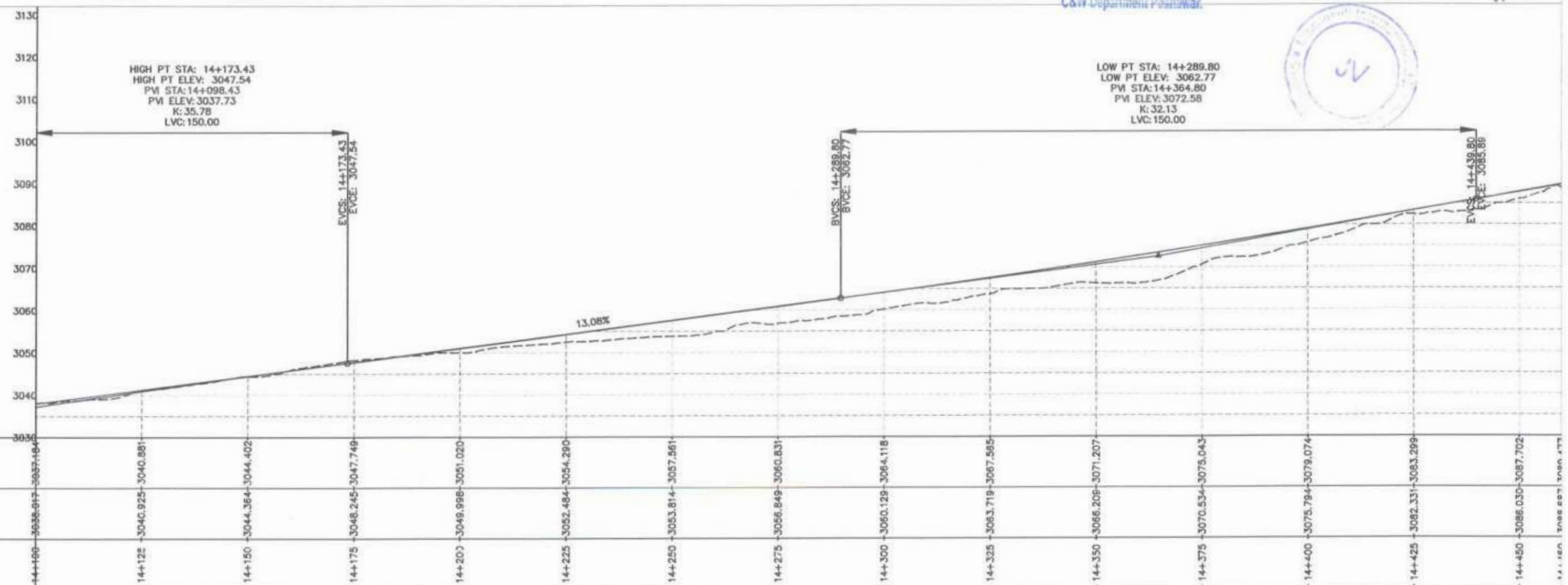
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 9835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024	PLAN & PROFILE 13+740.00 - 14+100.00
		a			DRAWN	IMRAN TARIQ								
		b			CHECKED	SHAHZAD DURRANI								
c			APPROVED	AOEEL YOUNIS										
						PROJECT:		SCALE:		SHEET CONTENT:				
						PROJECT:		SCALE:		SHEET CONTENT:				



Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

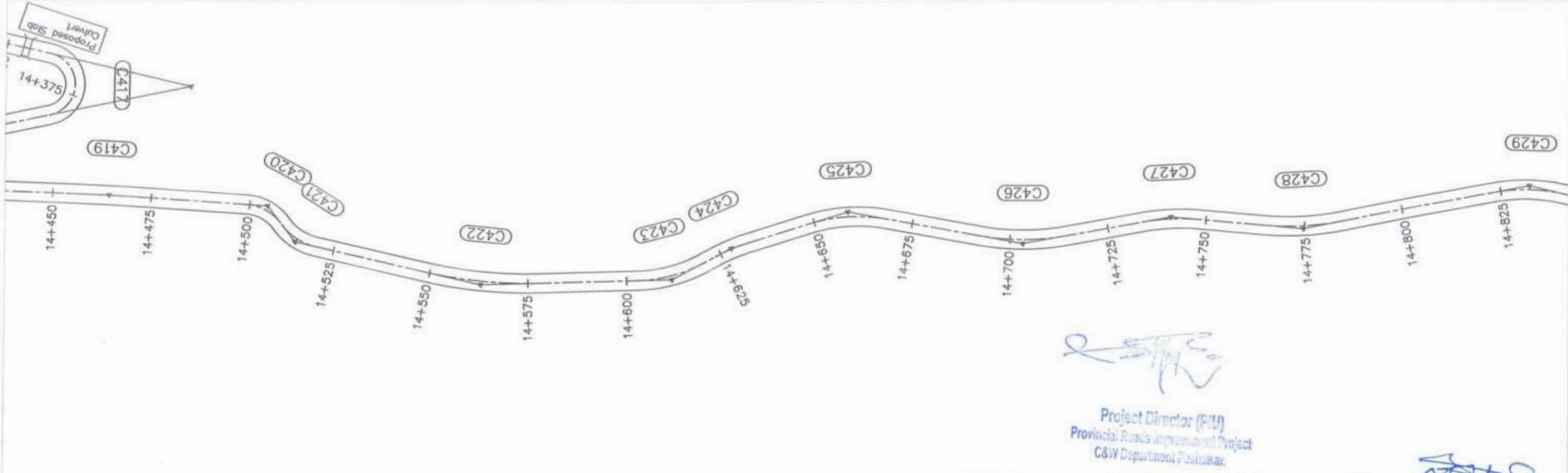


[Handwritten signature]



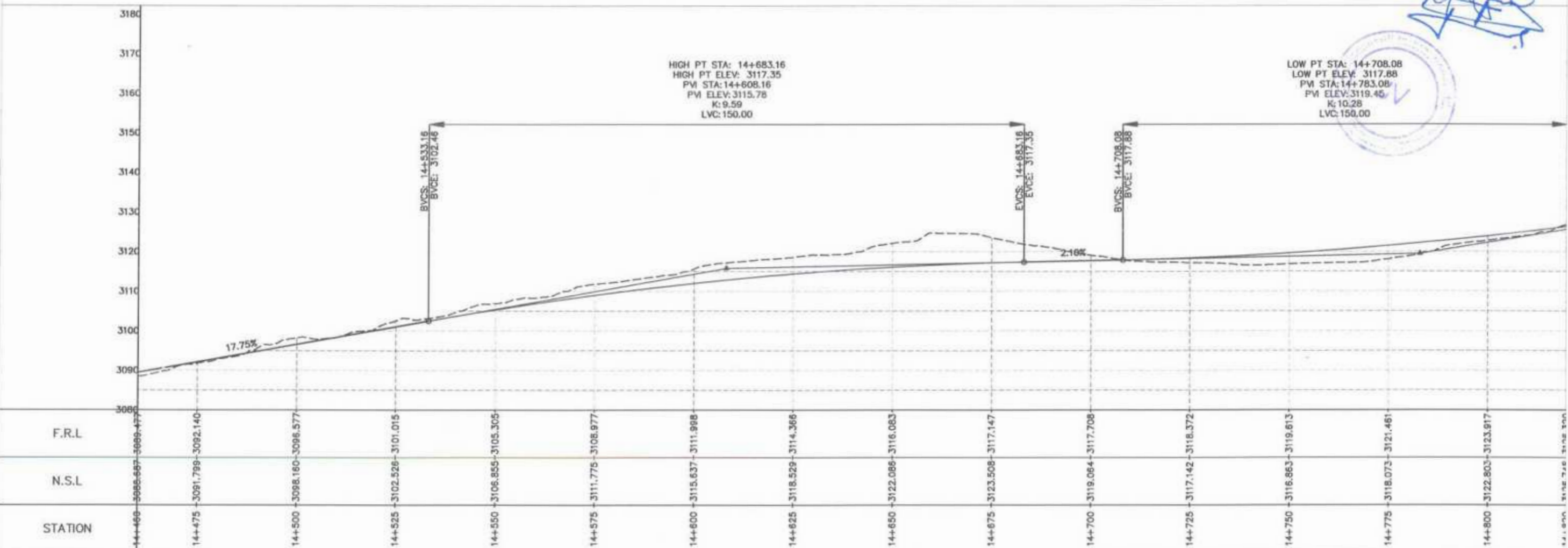
F.R.L	3038.017	3040.881	3044.402	3047.749	3051.020	3054.290	3057.561	3060.831	3064.118	3067.595	3071.207	3075.043	3079.074	3083.299	3087.702
N.S.L															
STATION	14+100	14+125	14+150	14+175	14+200	14+225	14+250	14+275	14+300	14+325	14+350	14+375	14+400	14+425	14+450

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 14+100.00 - 14+460.00 DWG NO. CECHWKP-RRDP-N-CHT-SP11 26
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	
		e			DRAWN	IMRAN TARIQ			DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG, 2024	
		c			APPROVED	ACEEL YOUNIS				



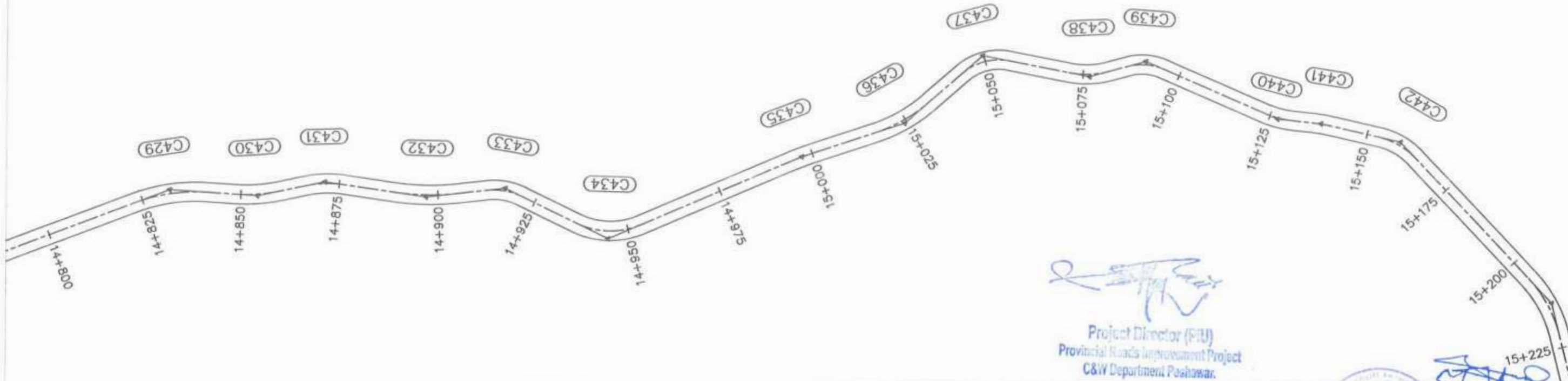
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar.

[Signature]

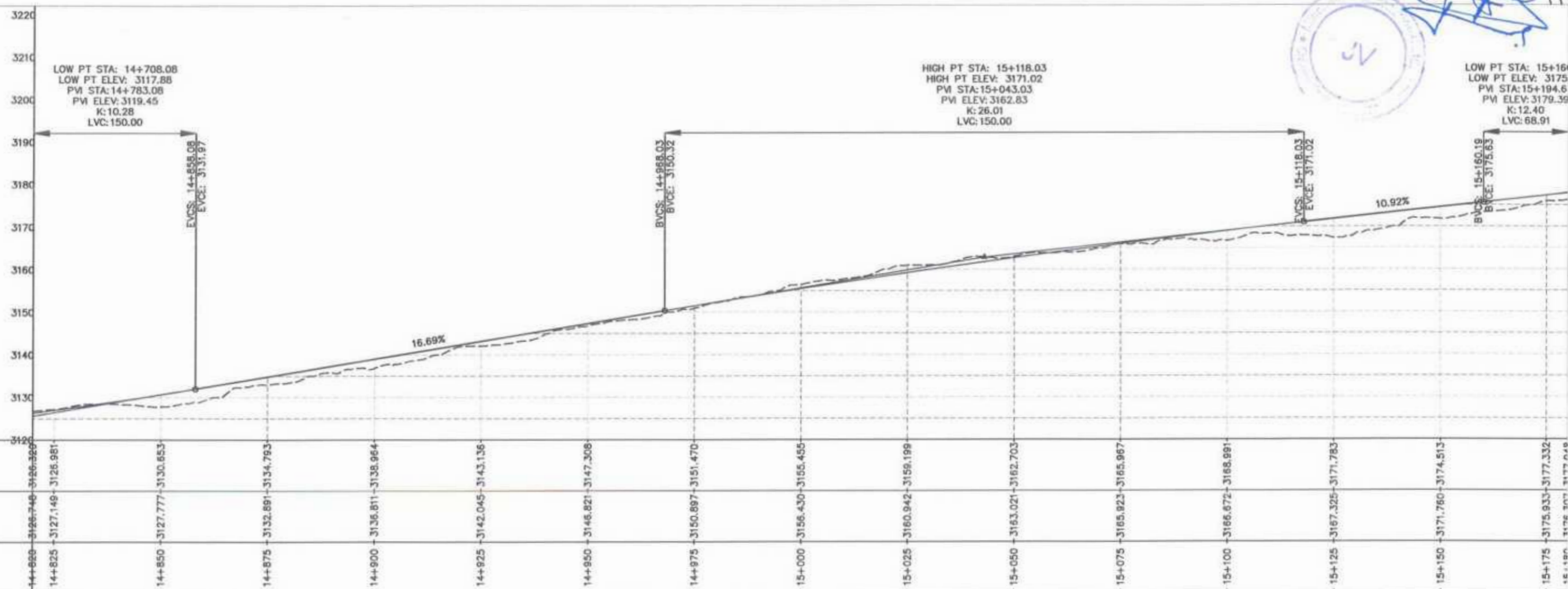


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED					TANZEEL
		a			DRAWN					IMRAN TARIQ
		b			CHECKED					SHAHZAD DURRANI
					APPROVED	AGEEL YOUNIS				

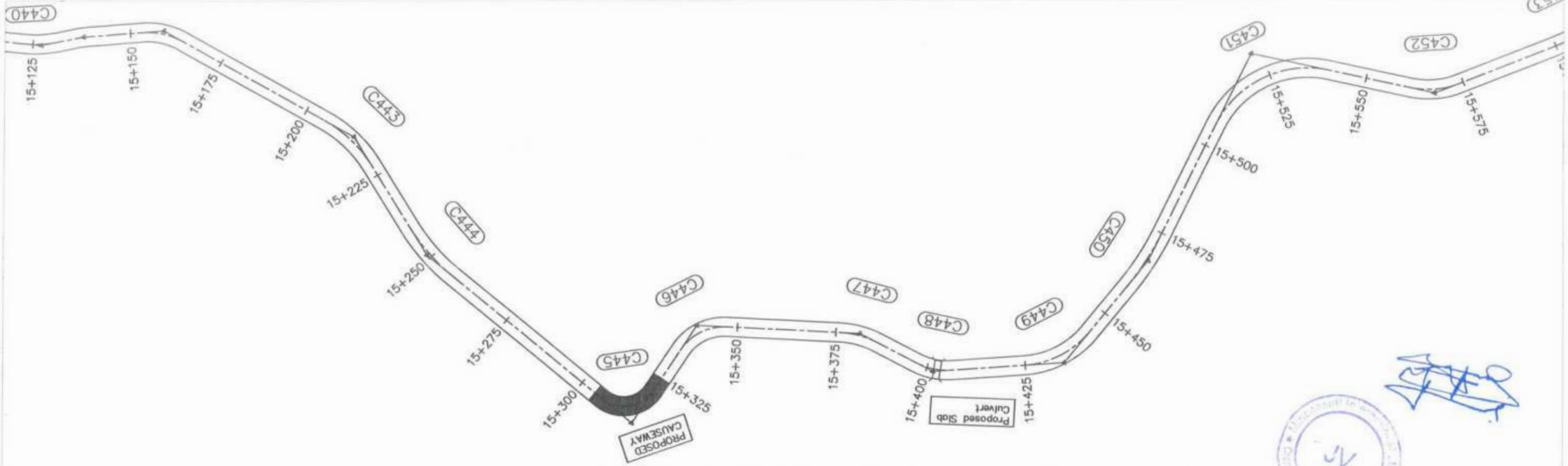
PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)
 ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM
 SCALE: H=1:1000 V=1:500
 DATE: AUG. 2024.
 SHEET CONTENT: PLAN & PROFILE 14+460.00 - 14+820.00
 DWG NO: CECHWRP-RRDN-CHT-01PW 27



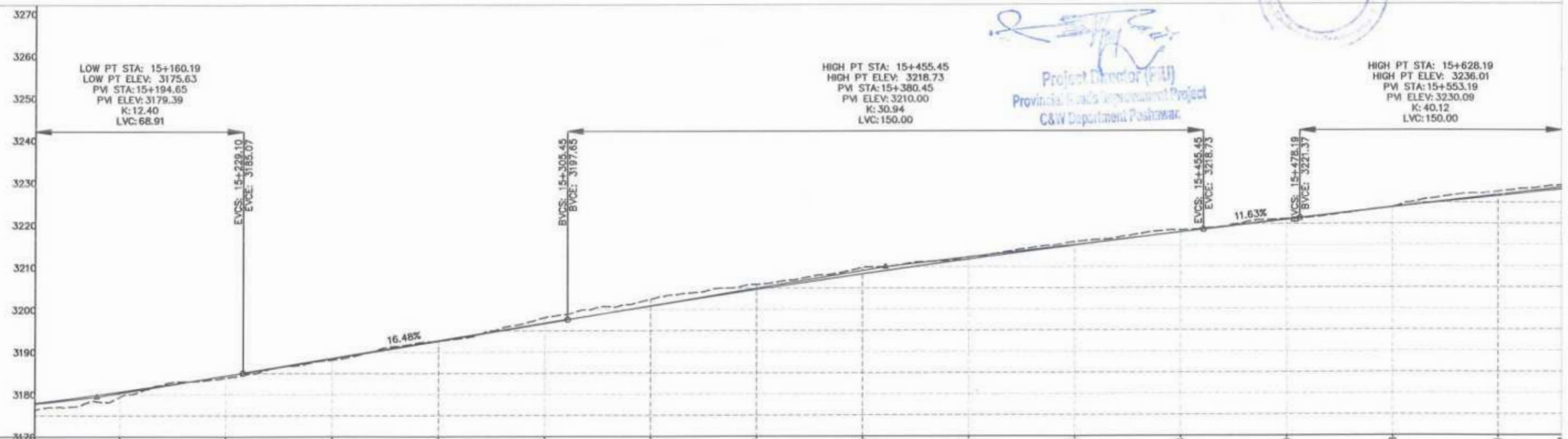
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5885-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 14+820.00 - 15+180.00 DWG NO: CEC\HWK\RRDP\N-CHT-9\PIV 28	
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM		H=1:1000
		a			DRAWN	IRAN TARIQ				V=1:500
		b			CHECKED	SHAGZAD DURRANI				DATE:
c			APPROVED	AQEEL YOUNIS	AUG, 2024					

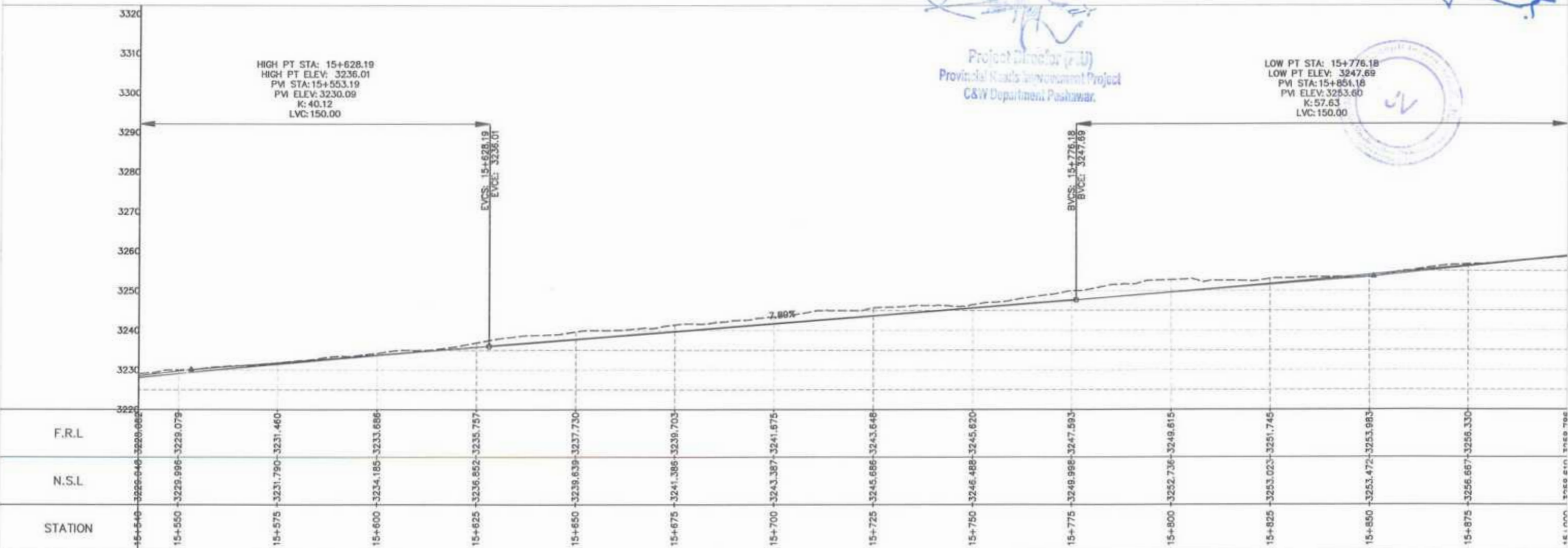
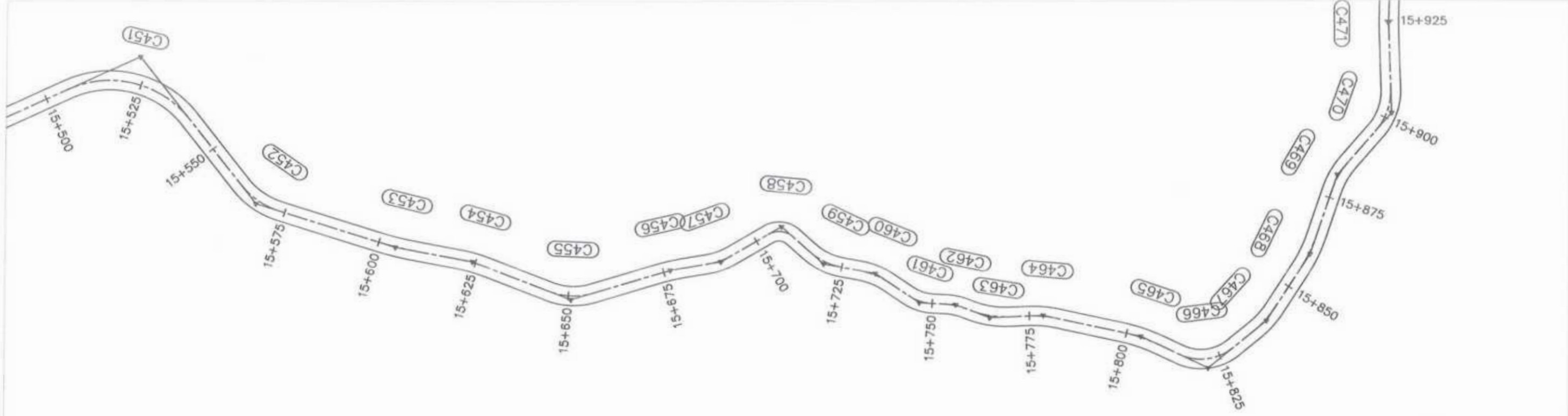


Project Director (PIU)
 Provincial Road Development Project
 C&W Department Peshawar



F.R.L	3176.307	3177.949	3179.390	3180.613	3184.397	3188.510	3192.629	3196.748	3200.806	3204.667	3208.325	3211.781	3215.036	3218.088	3221.000	3223.848	3226.541
N.S.L	3176.307	3179.390	3183.923	3184.397	3188.163	3192.643	3198.094	3202.383	3205.881	3208.830	3212.276	3215.864	3218.597	3221.147	3223.940	3227.554	3228.541
STATION	15+160	15+200	15+225	15+250	15+275	15+300	15+325	15+350	15+375	15+400	15+425	15+450	15+475	15+500	15+525		

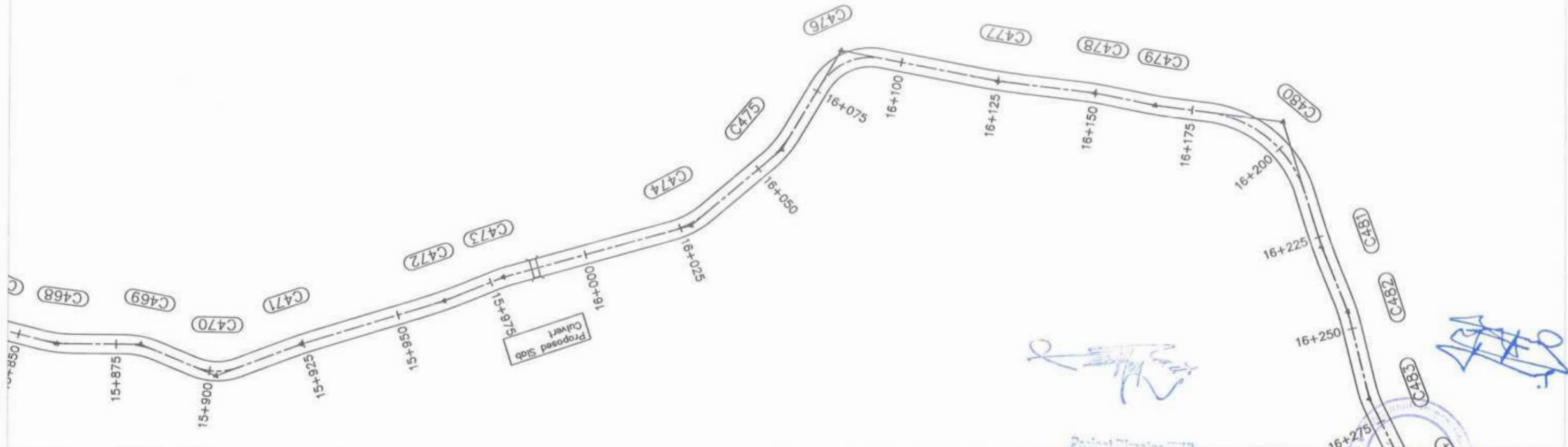
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	NAMES: G.DESIGNED TANZEEL DRAWN IMRAN TARIQ CHECKED SHAHZAD DURRANI APPROVED ADEEL YOUNIS		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG, 2024	SHEET CONTENT: PLAN & PROFILE 15+180.00 - 15+540.00 DWG NO: CEC/RRDP/RRDN-CHT-09/PIU 29
		1								
		2								
		3								



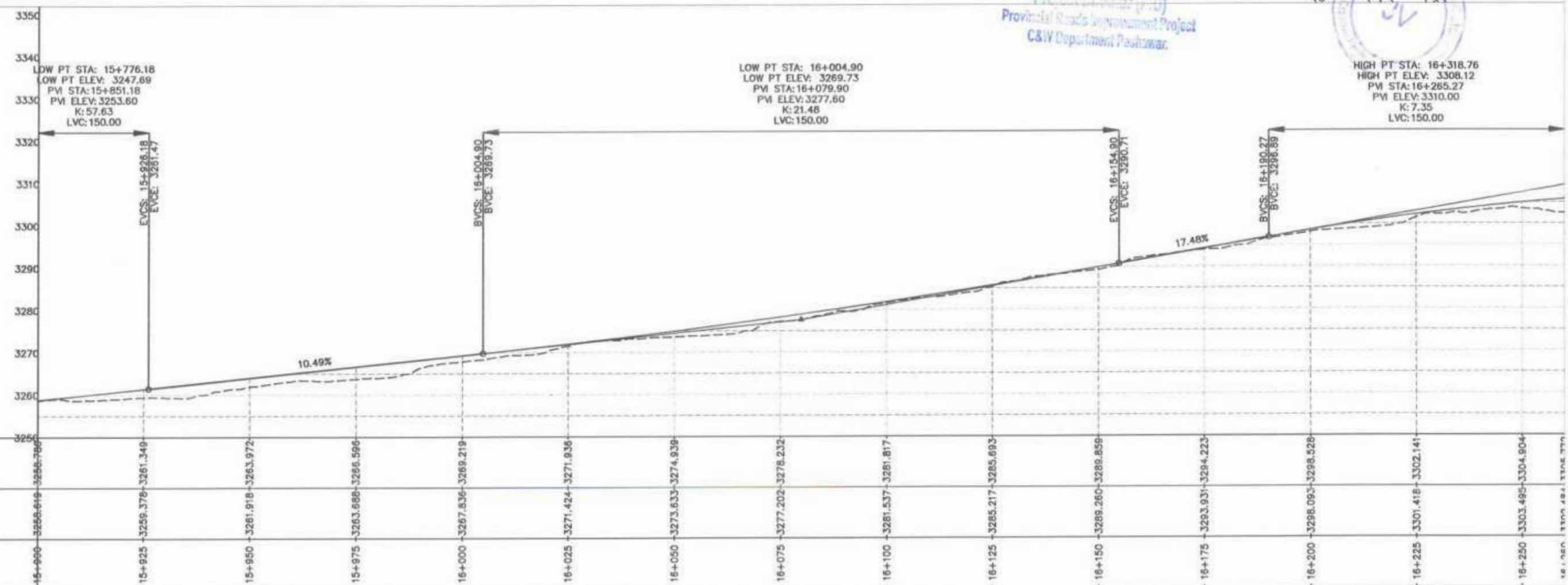
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



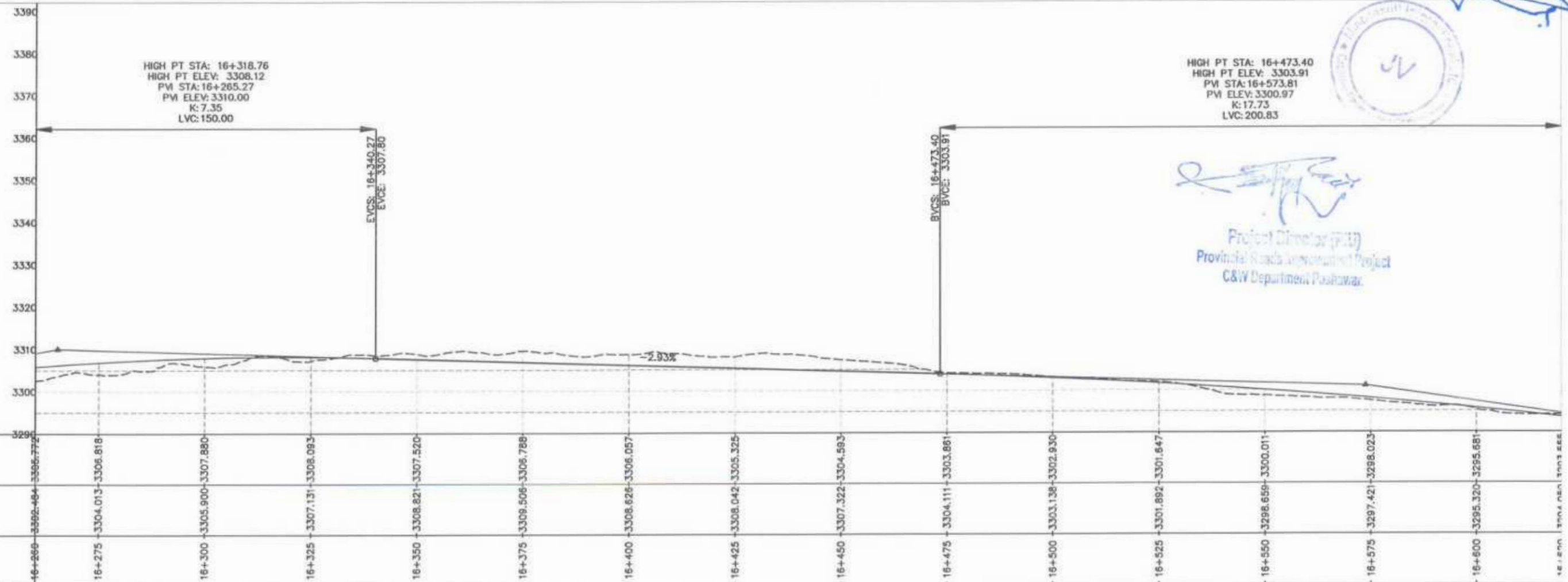
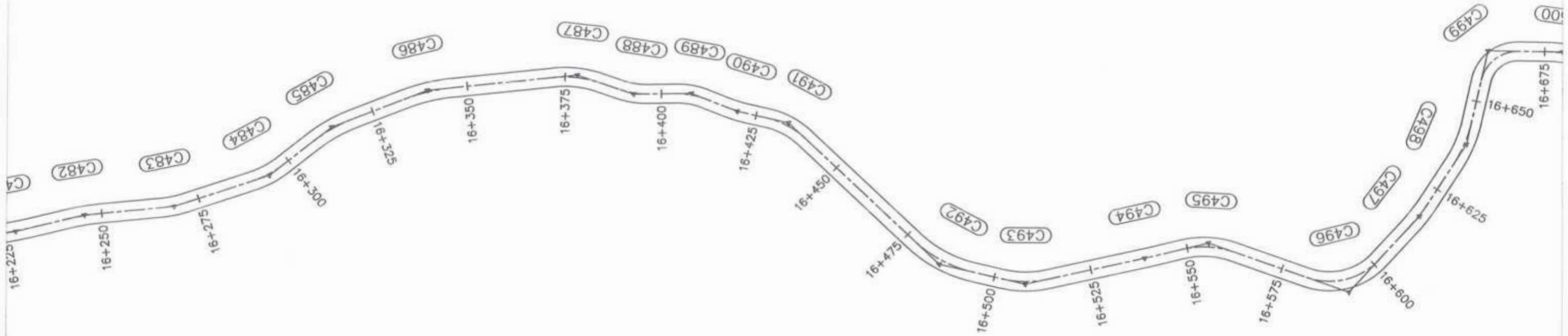
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	<p>SHEET CONTENT:</p> <p>PLAN & PROFILE 15+540.00 - 15+900.00</p> <p>DATE: AUG, 2024.</p> <p>DWG NO: CEC\HWKP\RRDM\CHT-9\PIU 30</p>
		0	AUG, 2024.	TENDER DRAWINGS	G.DESIGNED TANZEEL	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)</p>	<p>N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM</p>	H=1:1000	
		a			DRAWN IMRAN TARIQ			V=1:500	
		b			CHECKED SHAHZAD DURRANI			DATE:	
c			APPROVED AQEEL YOUNIS						



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO: 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500 DATE: AUG, 2024.	PLAN & PROFILE 15+900.00 - 16+260.00 DWG NO: CEGHWRP-RRDN-CHT-9/PV 31
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: ADEEL YOUNIS				



REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY	H=1:1000 V=1:500	PLAN & PROFILE 16+260.00 - 16+620.00
a			DRAWN IMRAN TARIQ			DATE:	
b			CHECKED SHAHZAD DURRANI		TOURISM	AUG, 2024,	DWG NO: CEC/HRKP/RRDM-CHT-899
c			APPROVED ADEEL YOUNIS			32	

CLIENT: **GOVERNMENT OF KHYBER PAKHTUNKHWA**
COMMUNICATION & WORKS DEPARTMENT
PROJECT IMPLEMENTATION UNIT (PIU)

DESIGN CONSULTANT: (MIN - JV - CEC)
MINCONSULT SDN BHD
(COMPANY NO. 58835-P)
J.V.
CREATIVE ENGINEERING CONSULTANTS (CEC)

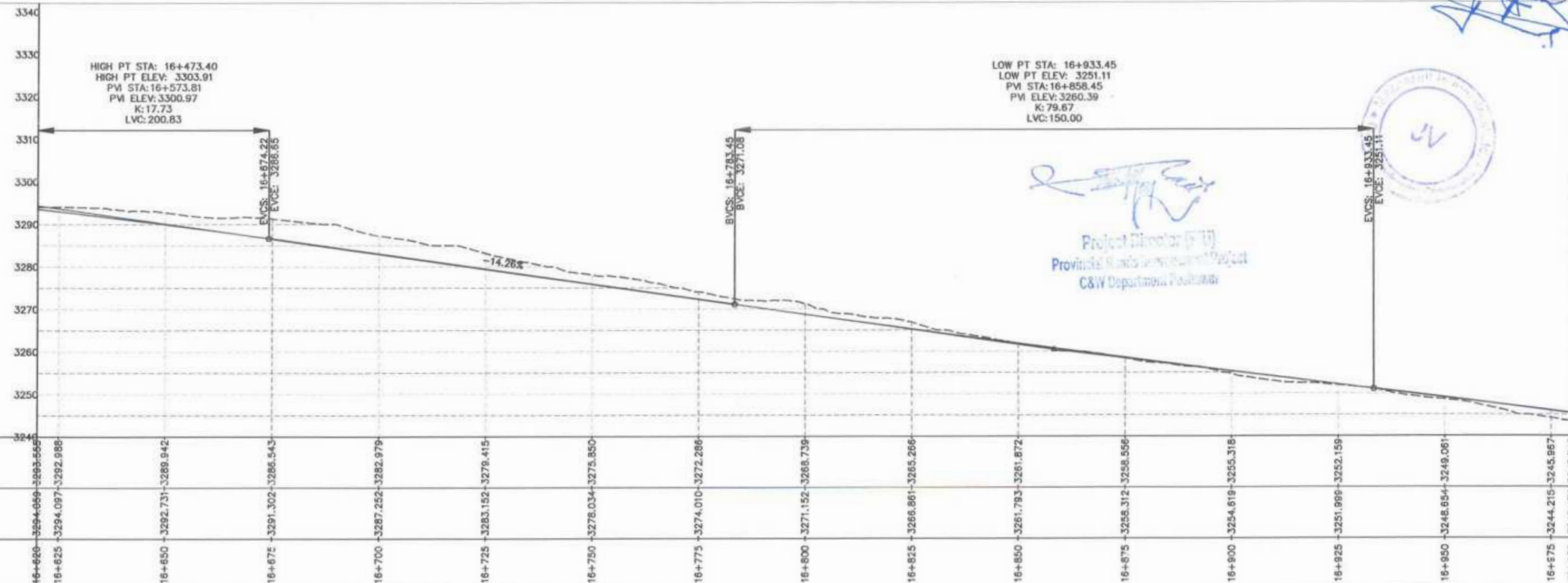
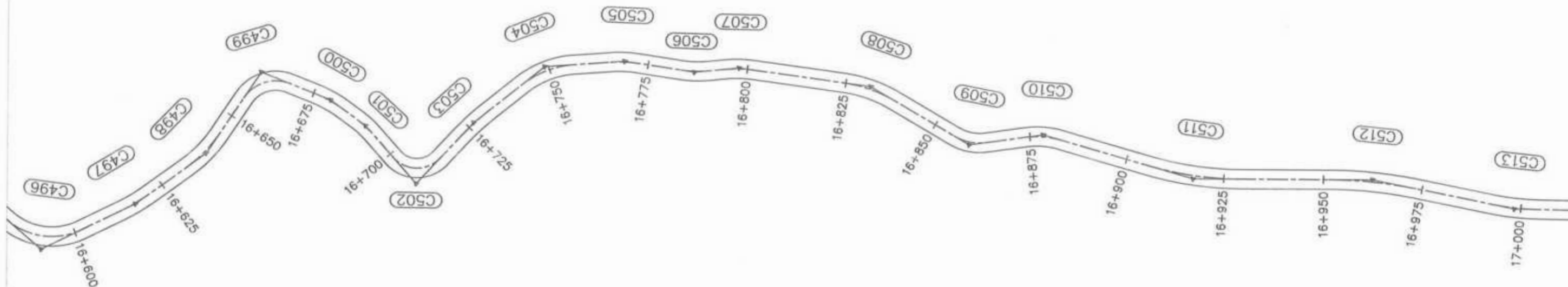
REV: 0
DATE: AUG, 2024
DESCRIPTION: TENDER DRAWINGS

NAMES:
G.DESIGNED: TANZEEL
DRAWN: IMRAN TARIQ
CHECKED: SHAHZAD DURRANI
APPROVED: ADEEL YOUNIS

PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)




ROAD NAME: N-CHT-9
PASHTY ROAD, PRET TO PASHTY VALLEY
TOURISM

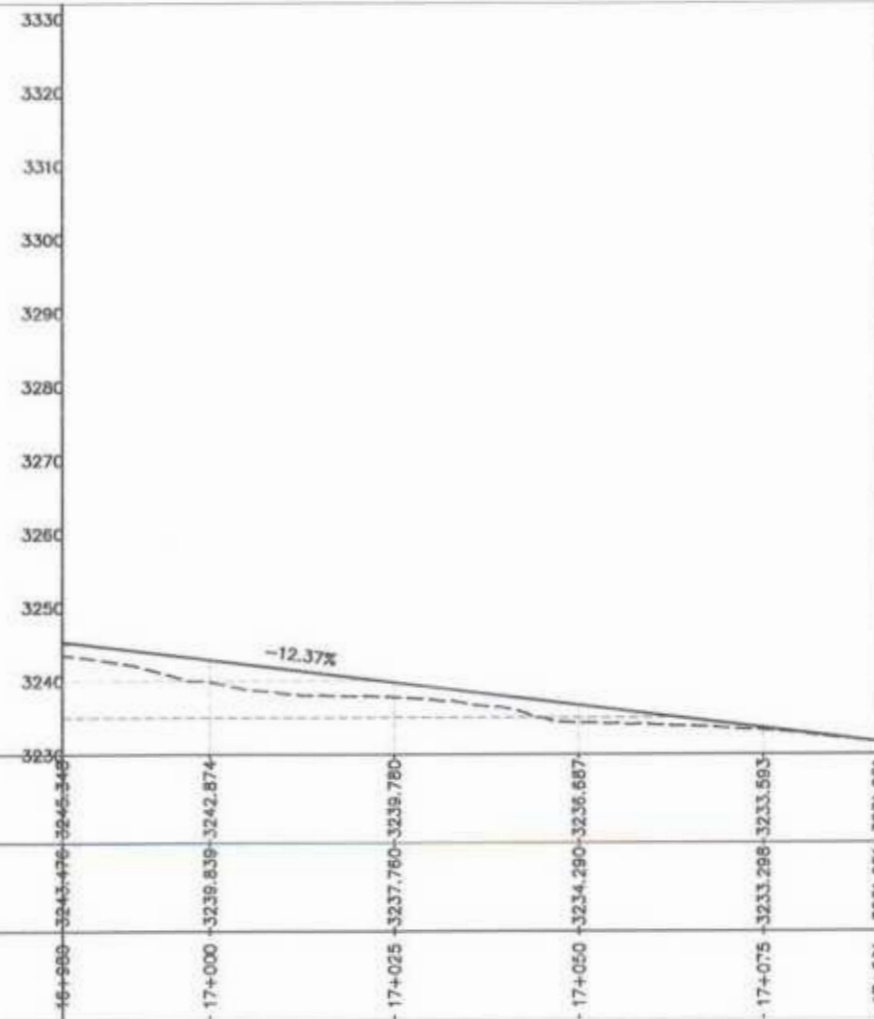
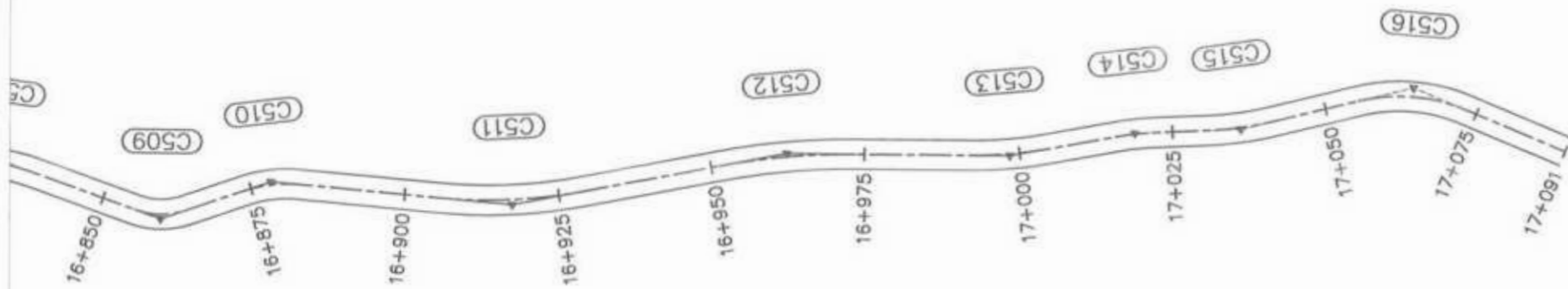
SCALE: H=1:1000
V=1:500
DATE: AUG, 2024,
SHEET CONTENT: PLAN & PROFILE
16+260.00 - 16+620.00
DWG NO: CEC/HRKP/RRDM-CHT-899
32




 Project Director (PIU)
 Provincial Roads Development Project
 C&W Department, Peshawar



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO: 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 16+620.00 - 16+980.00 DWG NO: CEC\HW\PR\RD\N-CHT-9\PIU 33
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	TANZEEL	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	H=1:1000 V=1:500	
		a			DRAWN	IMRAN TARIQ			DATE:	
		b			CHECKED	SHANZAD DURRANI			AUG. 2024	
c			APPROVED	AQEEL YOUSUF						



Project Director (P&I)
Provincial Roads Development Project
C&V Department Peshawar.

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. S8335-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED TANZEEL DRAWN IMRAN TARIQ CHECKED SHAHZAD DURRANI APPROVED AQEEL YOUNIS		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-9 PASHTY ROAD, PRET TO PASHTY VALLEY TOURISM	SCALE: H=1:1000 V=1:500 DATE: AUG, 2024.	SHEET CONTENT: PLAN & PROFILE 16+980.00 - 17+090.69 DWG NO. CEC/HW/RRDP/N-CHT-APPY 34
		1								
		2								
		3								

STRUCTURAL DRAWINGS



A handwritten signature in blue ink, appearing to be "M. J. ...".

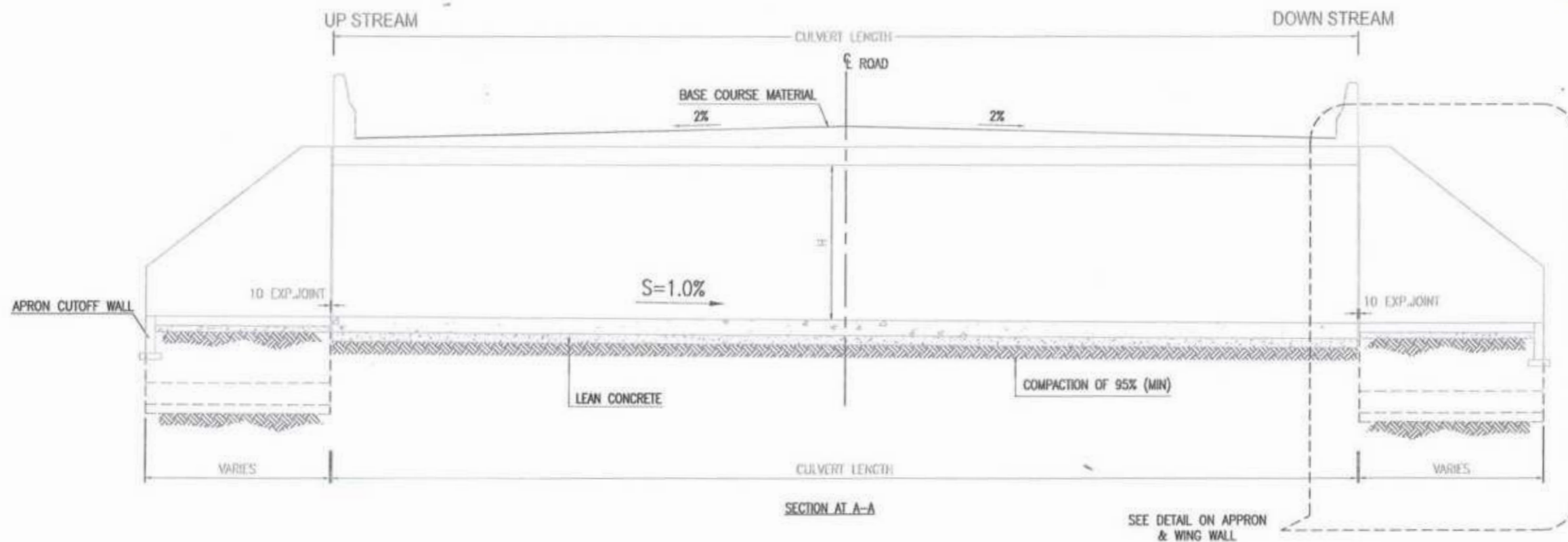
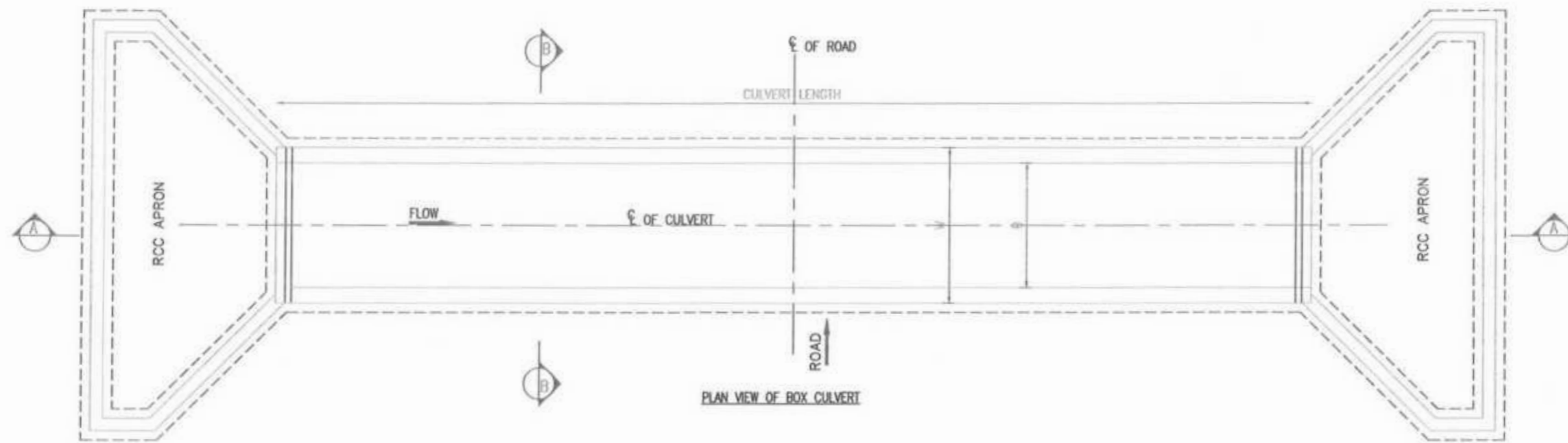
Project Director (P33)
Provincial Roads Improvement Project
C&V Department, Ontario

STRUCTURAL DRAWINGS



Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Pokhara

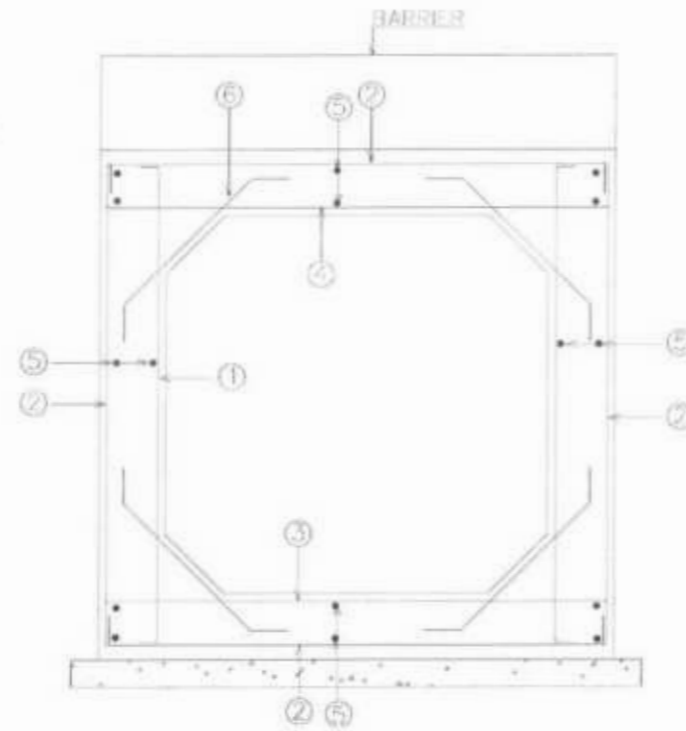
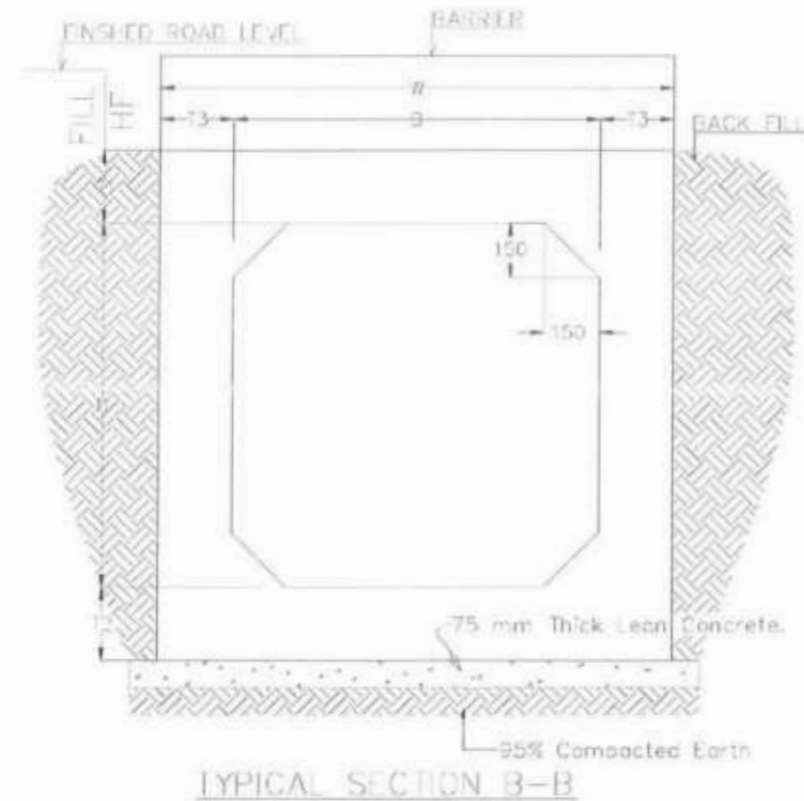


[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 5803 P) J.V. CREATIVE ENGINEERING	REV DATE DESCRIPTION a SEP, 2024 TENDER DRAWINGS * b	NAMES: DESIGNED M.FAIZAN DRAWN MUSHTAQ CHECKED M.ISLAM	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: N.T.S. DATE: SEP.	SHEET CONTENT: PACKAGE-7 LOT-2 SINGLE CELL BOX CULVERT PLAN & SECTION VIEW
---	--	---	---	--	-----------------------------------	---

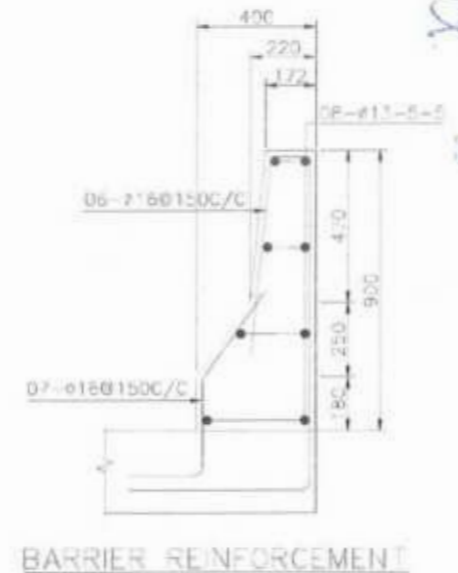


TYPICAL SECTION B-B

REINFORCEMENT DETAILS



BARRIER



BARRIER REINFORCEMENT

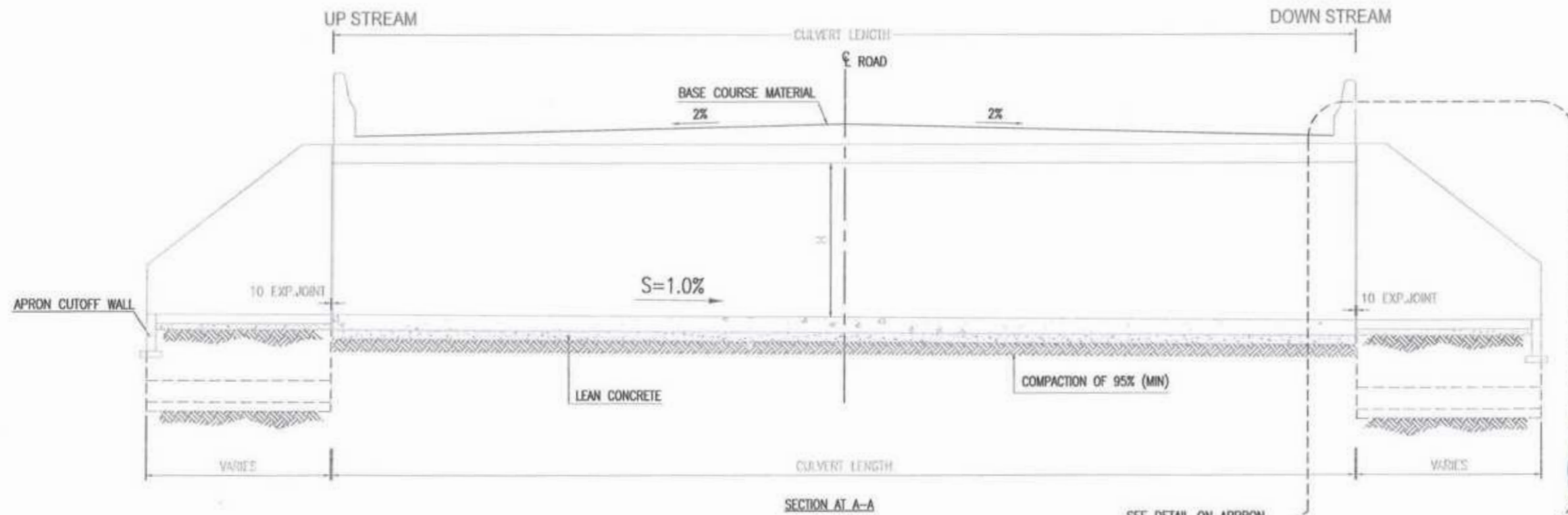
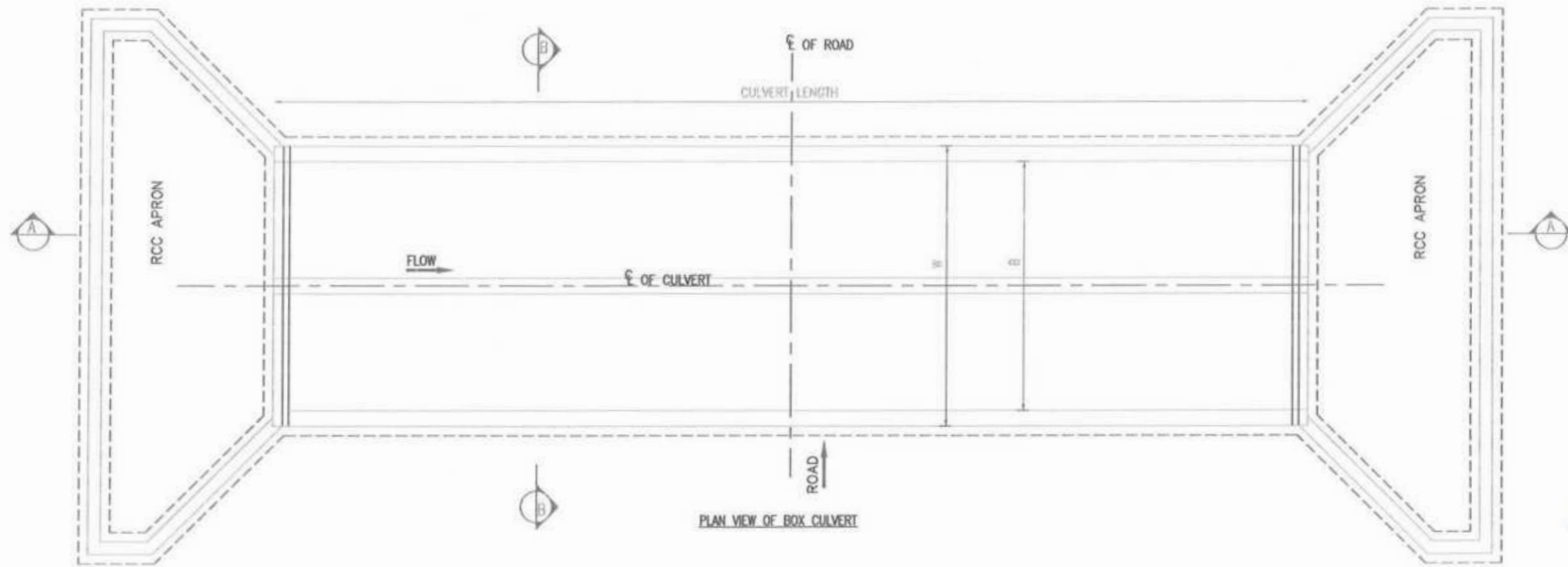
Project Director (P.U.)
Provincial Roads and Transport
C&W Department, Peshawar



- NOTES -
- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED.
 - 2- ALL CONCRETE SHALL BE REINFORCED CONCRETE CLASS A3.
 - 3- REINFORCEMENT FOR REINFORCED CONCRETE SHALL BE DEFORMED BAR OF (GRADE 63) CONFORMING TO AASHTO M-31 (ASTM A615) WITH MINIMUM YIELD STRENGTH OF 4200 kg/cm² (60,000 psi).
 - 4- ALL FACES OF CONCRETE IN CONTACT WITH SOIL SHALL BE DAMP PROOFED WITH 2 LAYERS OF BITUMINOUS COATING MATERIAL.
 - 5- THE DEPTH OF SLOTTING SHALL BE DECIDED BY THE ENGINEER AT SITE. 300mm SHALL BE (min).
 - 6- WING WALLS SHALL BE AT LEAST 45° FOR SKEW &, HOWEVER IF SKEW T SHALL BE FINALIZED AS PER SITE REQUIREMENT.
 - 7- CONCRETE COVER: OUTER SIDE = 50mm, INNER SIDE = 40mm, BOTTOM = 40mm & TOP = 40mm.

SINGLE CELL BOX CULVERT DIMENSION AND REINFORCEMENT												
B	D	FILL HF	T1	T2	T3	W	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6
							DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C
1000	1000	300-600	260	250	250	1500	18-150	16-150	16-150	16-150	10-150	10-150
		601-1000	200	200	200	1400	12-150	16-150	16-150	16-150	10-150	10-150
		1001-2000	200	200	200	1400	12-150	12-150	12-150	16-150	10-150	10-150
1000	1500	300-600	250	250	250	1500	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	200	200	200	1400	16-150	16-150	16-150	20-150	10-150	10-150
		1001-2000	200	200	200	1400	16-150	16-150	12-150	16-150	10-150	10-150
1500	1000	300-600	275	275	225	1950	20-200	20-200	16-150	20-200	10-150	10-150
		601-1000	225	225	225	1950	16-150	16-150	16-150	20-200	10-150	10-150
		1001-2000	225	225	225	1950	16-150	16-150	12-150	16-150	10-150	10-150
2000	1000	300-600	300	315	250	2500	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	250	250	250	2500	16-150	20-150	16-150	20-150	10-150	10-150
		1001-2000	250	250	250	2500	16-150	16-150	16-150	16-150	10-150	10-150
2500	1000	300-600	325	325	300	3100	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	275	275	275	3050	16-150	20-150	16-150	20-150	10-150	10-150
		1001-2000	275	275	275	3050	16-150	16-150	16-150	16-150	10-150	10-150
1500	1500	300-600	275	275	225	1950	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	225	225	225	1950	16-150	16-150	16-150	20-150	10-150	10-150
		1001-2000	225	225	225	1950	16-150	16-150	12-150	16-150	10-150	10-150
2000	1500	300-600	300	315	250	2500	20-200	20-200	20-200	20-200	10-150	10-150
		601-1000	250	250	250	2500	16-150	16-150	16-150	20-200	10-150	10-150
		1001-2000	250	250	250	2500	16-150	16-150	16-150	16-150	10-150	10-150
2500	1500	300-600	325	325	300	3050	20-150	20-150	20-150	20-150	10-150	10-150
		601-1000	275	275	275	3050	16-150	20-150	16-150	20-150	10-150	10-150
		1001-2000	275	275	275	3050	16-150	16-150	16-150	16-150	10-150	10-150
3000	1500	300-600	400	415	325	3650	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	300	300	300	3600	16-150	20-150	16-150	16-150	10-150	10-150
		1001-2000	300	300	300	3600	20-200	20-200	20-200	20-200	10-150	10-150
2000	2000	300-600	300	315	250	2500	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	250	250	250	2500	16-150	20-150	16-150	20-200	10-150	10-150
		1001-2000	250	250	250	2500	16-150	16-150	16-150	16-150	10-150	10-150
2000	2500	300-600	300	325	275	2550	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	250	275	275	2550	16-150	20-150	16-150	20-200	10-150	10-150
		1001-2000	250	275	275	2550	16-150	16-150	16-150	16-150	10-150	10-150
2500	2000	300-600	325	325	325	3150	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	275	275	275	3050	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	275	275	275	3050	20-200	20-200	20-200	20-200	12-150	12-150
3000	2000	300-600	400	425	325	3650	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	300	275	275	3550	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	300	275	275	3550	20-200	20-200	20-200	20-200	12-150	12-150
3000	3000	300-600	400	425	350	3700	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	300	300	300	3600	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	300	300	300	3600	20-200	20-200	20-200	20-200	12-150	12-150
3000	3500	300-600	400	425	375	3750	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	300	325	325	3650	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	300	325	325	3650	20-200	20-200	20-200	20-200	12-150	12-150
4000	2000	300-600	500	500	350	4700	20-125	20-125	20-150	20-100	12-150	12-150
		601-1000	350	350	350	4700	20-150	20-150	20-150	20-100	12-150	12-150
		1001-2000	350	350	350	4700	20-170	20-170	20-170	20-100	12-150	12-150

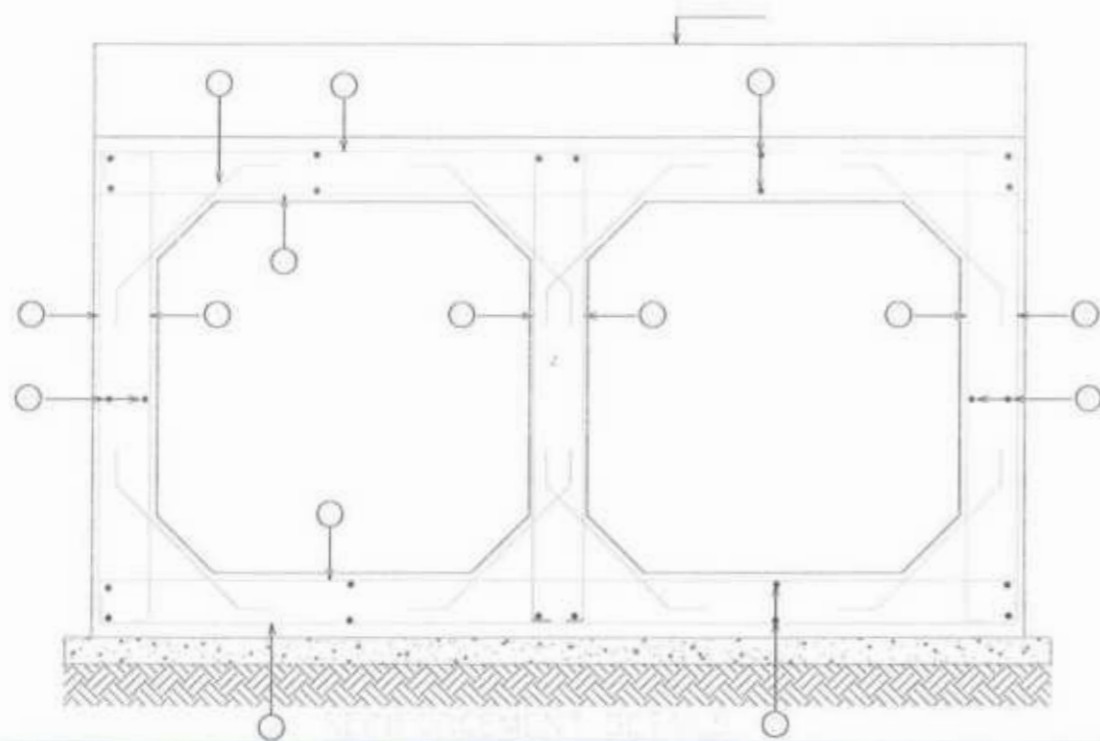
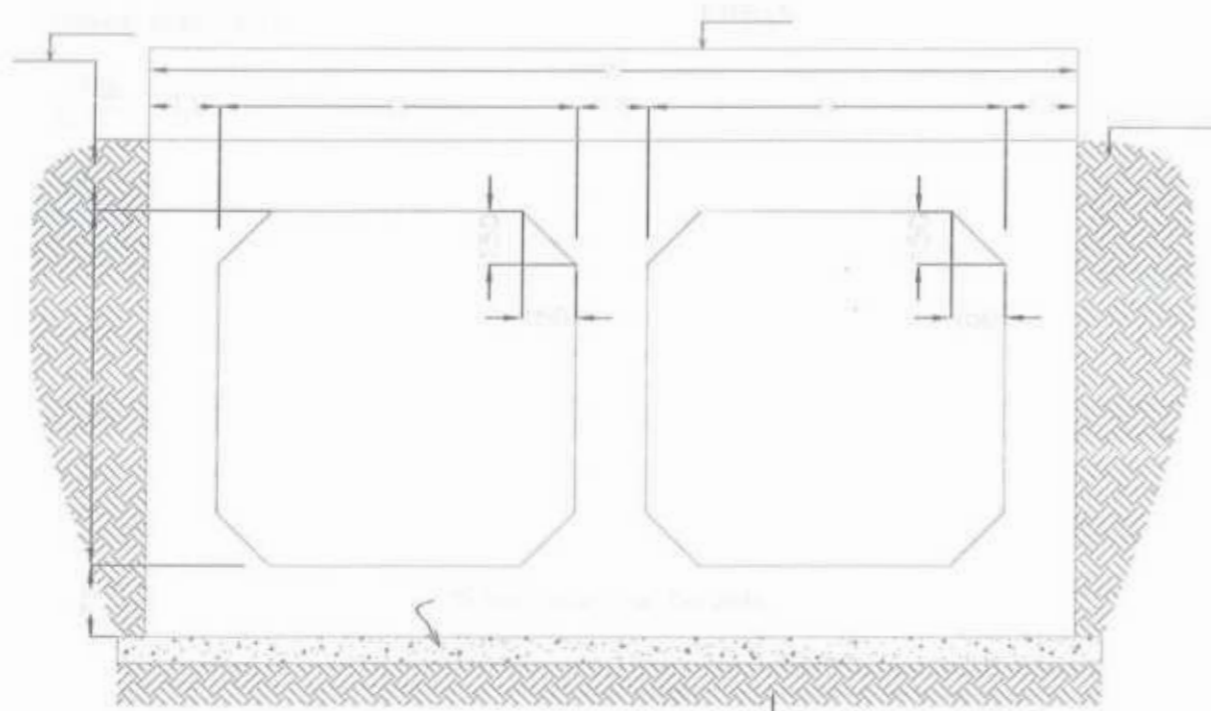
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SON BHD (COMPANY NO. 5835 P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV. DATE. DESCRIPTION a. SEP, 2024 TENDER DRAWINGS	NAMES: DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: PACKAGE-7 LOT-2	SHEET CONTENT: N.T.S. DATE: SEP. SINGLE CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL
---	---	--	--	---	------------------------------	--



[Signature]
 Project Director (P.U)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

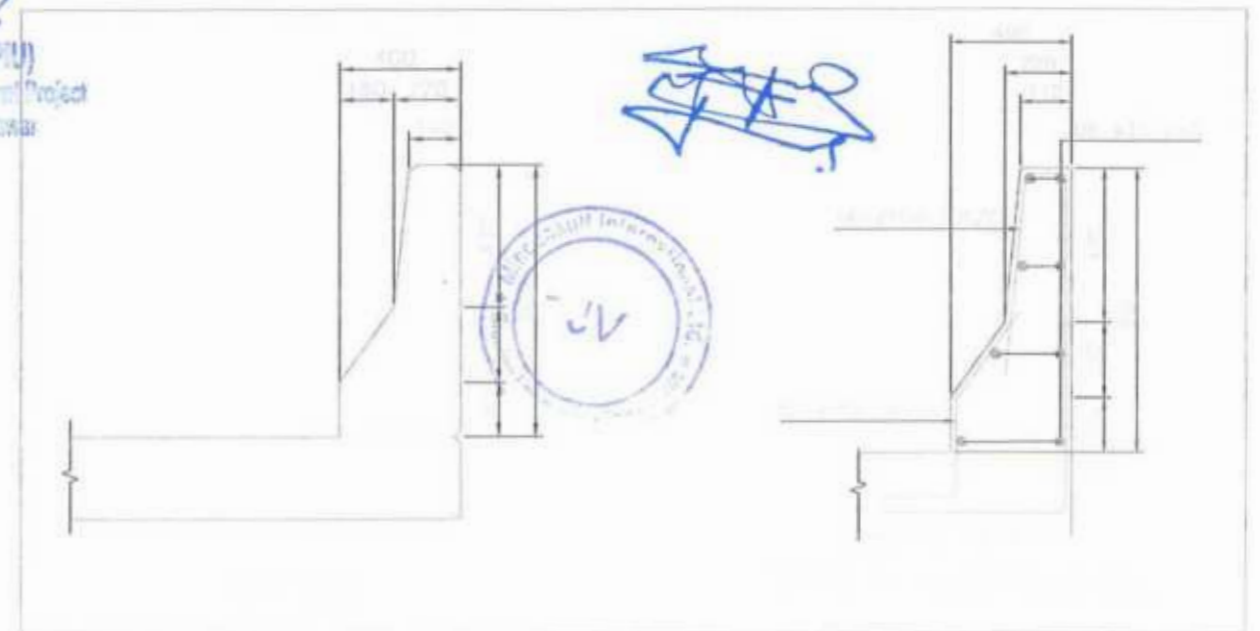
[Signature]

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 38875-P) J.V. CREATIVE ENGINEERING	REV. DATE. DESCRIPTION 01 SEP, 2024 TENDER DRAWINGS 02 03	NAMES: DESIGNED M.FAIZAN DRAWN MUSHTAQ CHECKED M.ISLAM	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: N.T.S. SHEET CONTENT: 2 CELL BOX CULVERT PLAN & SECTION VIEW
	PACKAGE-7	LOT-2	DATE: SEP.	SEE DETAIL ON APRON & WING WALL DWG	SHEET CONTENT: 2 CELL BOX CULVERT PLAN & SECTION VIEW
	PACKAGE-7	LOT-2	DATE: SEP.	SEE DETAIL ON APRON & WING WALL DWG	SHEET CONTENT: 2 CELL BOX CULVERT PLAN & SECTION VIEW
	PACKAGE-7	LOT-2	DATE: SEP.	SEE DETAIL ON APRON & WING WALL DWG	SHEET CONTENT: 2 CELL BOX CULVERT PLAN & SECTION VIEW
	PACKAGE-7	LOT-2	DATE: SEP.	SEE DETAIL ON APRON & WING WALL DWG	SHEET CONTENT: 2 CELL BOX CULVERT PLAN & SECTION VIEW






TWO CELL BOX CULVERT DIMENSION AND REINFORCEMENT													
SIZE		FILL HF	T1	T2	T3	W	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6	BAR 7
B	D						DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C
2000	1000	300-600	300	315	250	4750	16-150	20-150	16-150	20-150	16-150	12-200	12-200
		601-1000	250	250	250	4750	16-150	16-150	16-150	20-150	16-150	12-200	12-200
		1001-2000	250	250	250	4750	16-150	16-150	16-150	20-175	16-150	12-200	12-200
2500	1000	300-600	325	325	300	5900	20-150	20-150	20-175	20-125	16-150	12-200	12-200
		601-1000	275	275	275	5825	20-150	20-150	20-175	20-125	16-150	12-200	12-200
		1001-2000	275	275	275	5825	16-150	20-150	20-175	20-125	16-150	12-200	12-200
2000	1500	300-600	300	315	250	4750	16-150	20-150	20-150	20-150	16-150	12-200	12-200
		601-1000	250	250	250	4750	16-150	16-150	20-150	20-150	16-150	12-200	12-200
		1001-2000	250	250	250	4750	16-150	16-150	20-150	20-150	16-150	12-200	12-200
3000	1500	300-600	400	415	325	6975	16-125	20-125	20-150	20-100	20-200	12-200	12-200
		601-1000	300	300	300	6900	16-150	20-150	20-150	20-100	20-200	12-200	12-200
		1001-2000	300	300	300	6900	16-150	20-150	20-150	20-150	20-200	12-200	12-200
2000	2000	300-600	300	315	250	4750	16-150	20-150	20-150	20-150	16-170	12-200	12-200
		601-1000	250	250	250	4750	16-150	20-150	20-150	20-150	16-150	12-200	12-200
		1001-2000	250	250	250	4750	16-150	20-150	16-150	20-150	16-150	12-200	12-200
3000	2000	300-600	400	425	325	6975	16-125	20-125	20-125	20-125	20-175	12-200	12-200
		601-1000	300	300	300	6900	16-150	20-150	20-150	20-150	20-175	12-200	12-200
		1001-2000	300	300	300	6900	20-170	20-170	20-170	20-170	20-175	12-200	12-200
4000	2000	300-600	500	500	350	9050	20-125	20-125	20-125	20-100	20-150	12-200	12-200
		601-1000	350	350	350	9050	20-150	20-150	20-150	20-100	20-150	12-200	12-200
		1001-2000	250	250	250	8750	20-170	20-170	20-170	20-100	20-150	12-200	12-200

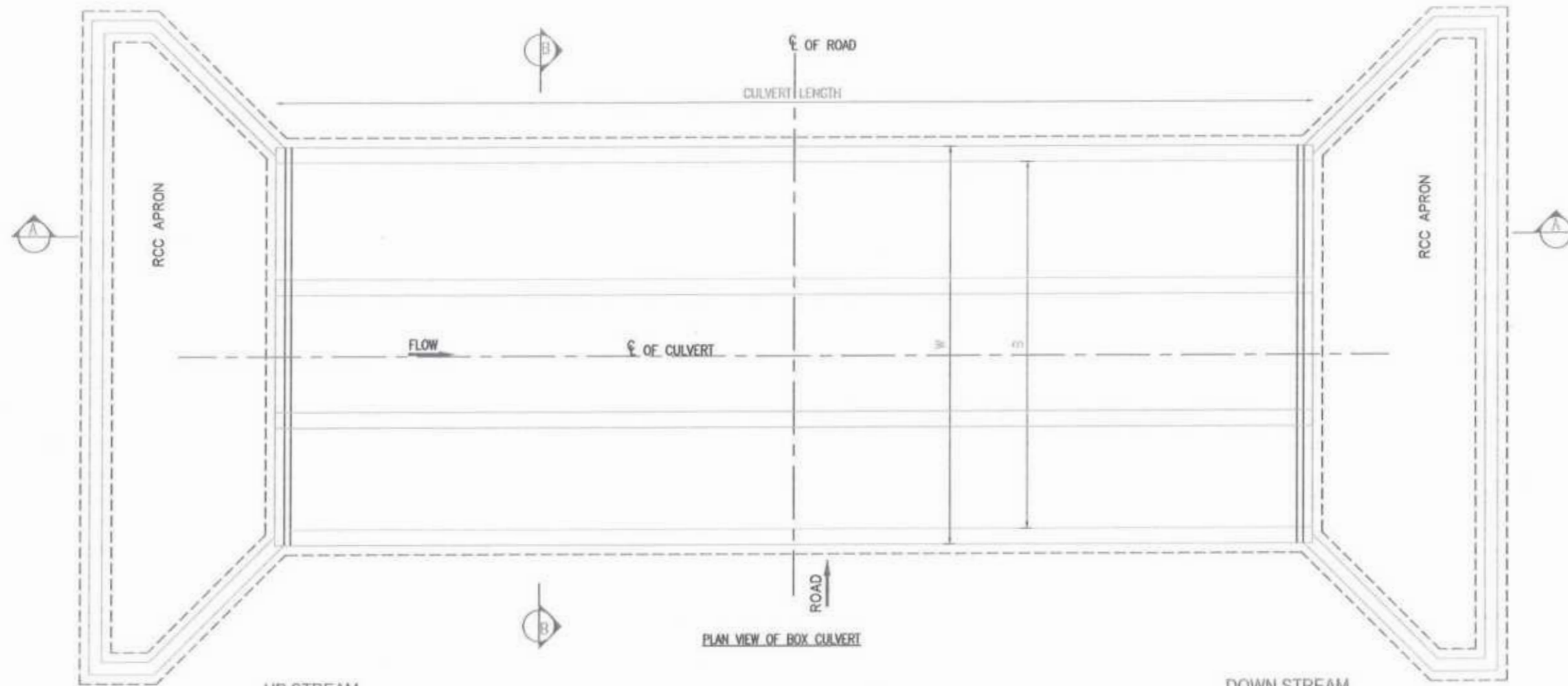

 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



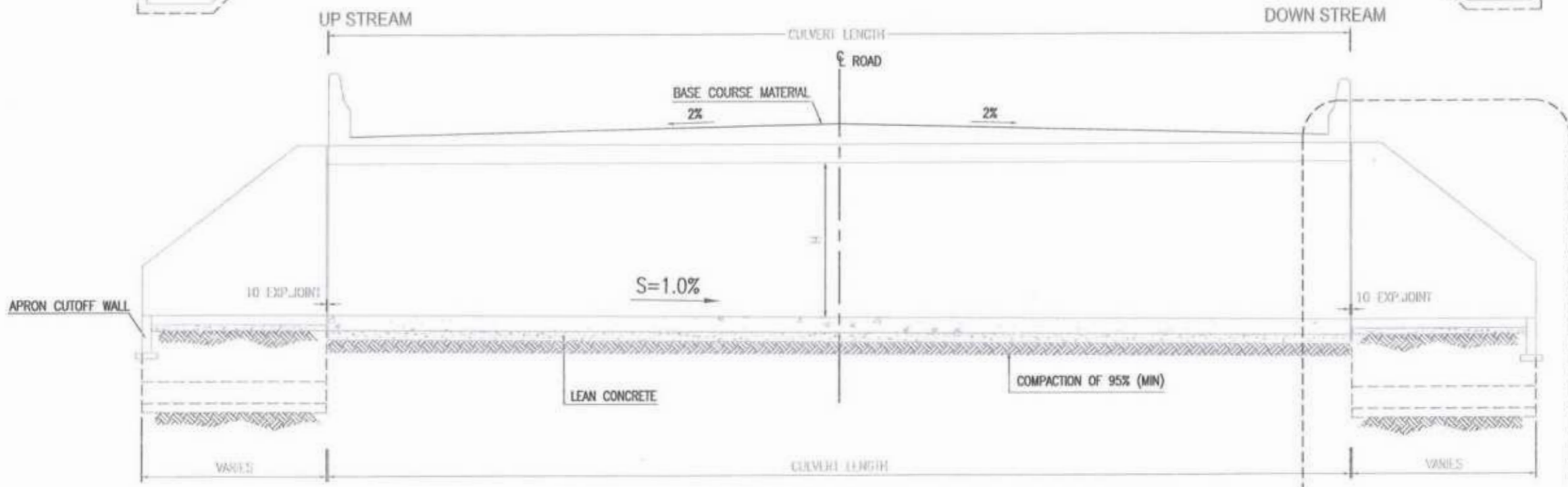
NOTES:-

- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED.
- 2- ALL CONCRETE SHALL BE REINFORCED CONCRETE CLASS A3
- 3- REINFORCEMENT FOR REINFORCED CONCRETE SHALL BE DEFORMED BAR OF (GRADE 60) CONFORMING TO AASHTO M-31(ASTM A615) WITH MINIMUM YIELD STRENGTH OF 4200 kg/sq.cm (60,000 psi).
- 4- ALL FACES OF CONCRETE IN CONTACT WITH SOIL SHALL BE DAMP PROOFED WITH 2 LAYERS OF BITUMINOUS COATING MATERIAL.
- 5- THE DEPTH OF SELECT FILL SHALL BE DECIDED BY THE ENGINEER AT SITE. 300mm SHALL BE (min.).
- 6- WING WALLS SHALL BE AT LEAST 45° FOR SKEW 0, HOWEVER IF SKEW IT SHALL BE FINALIZED AS PER SITE REQUIREMENT.
- 7- CONCRETE COVER: OUTER SIDE = 50mm, INNER SIDE = 40mm, BOTTOM = 40mm & TOP = 40mm

 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	 MINCONSULT SDN BHD (COMPANY NO. 28835-P) J.V.  CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	PACKAGE-7 LOT-2	SCALE:	SHEET CONTENT: 2 CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL
		a	SEP, 2024	TENDER DRAWINGS	DESIGNED	M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N.T.S	
		*			DRAWN	MUSHTAQ			DATE:	
b			CHECKED	M.ISLAM	SEP.					



PLAN VIEW OF BOX CULVERT



SECTION AT A-A

SEE DETAIL ON APRON & WING WALL DWG

[Handwritten Signature]

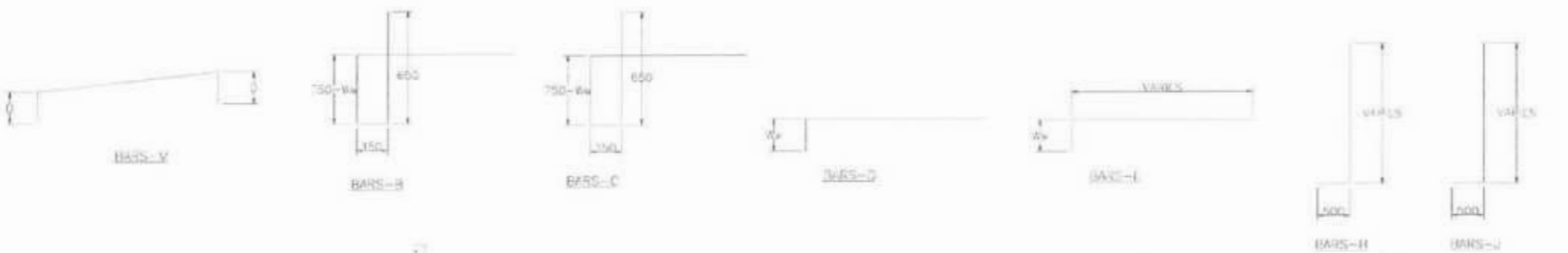
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT ROAD & CIVIL ENGINEERING UNIT (RCEU)	MINCONSULT SDN BHD (COMPANY NO. 38835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7	N.T.S
		1			DRAWN: MUSHTAQ		LOT-2	DATE:
		2			CHECKED: M.ISLAM		SEP.	

APRON & WINGWALLS DIMENSIONS & REINFORCEMENTS

BOX DIMENSIONS			APRON & WING WALL DIMENSIONS						BAR - A			BAR - B			BAR - C			BAR - D			BAR - E			BAR - F			BAR - G			BAR - H			BAR - J			BAR - K			BAR - L			BAR - M								
W	H	T	X	L	E	BT	Ra	D	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA	No. of Bars	MS Length	MS Length	DA									
1000	1000	250	1000	1000	1415	1000	250	800	12#	5 x 2	2800	4100	16#	3	2220	10#	245	1620	220	10#	3	1720	10#	245	1620	12#	5	4200	12#	8	1200	13#	362	1380	2270	12#	3#	1500	2270	13#	2#	180	1410	10#	6#	1210	12#	2#	242	2900
1500	1500	250	1500	1500	2122	1500	250	850	12#	10 x 2	3100	5100	16#	3	2720	10#	247	1750	220	10#	3	1870	10#	247	1750	12#	5	4500	12#	8	1200	13#	362	1480	2470	12#	3#	1600	2470	13#	2#	180	1470	10#	6#	1210	12#	2#	242	3300
2000	2000	250	2000	2000	2830	2000	250	900	12#	15 x 2	3700	6700	16#	3	3220	12#	249	1820	220	12#	3	2120	12#	249	1820	12#	5	5100	12#	8	1200	13#	362	1550	2720	12#	3#	1700	2720	13#	2#	180	1560	10#	6#	1210	12#	2#	242	4000

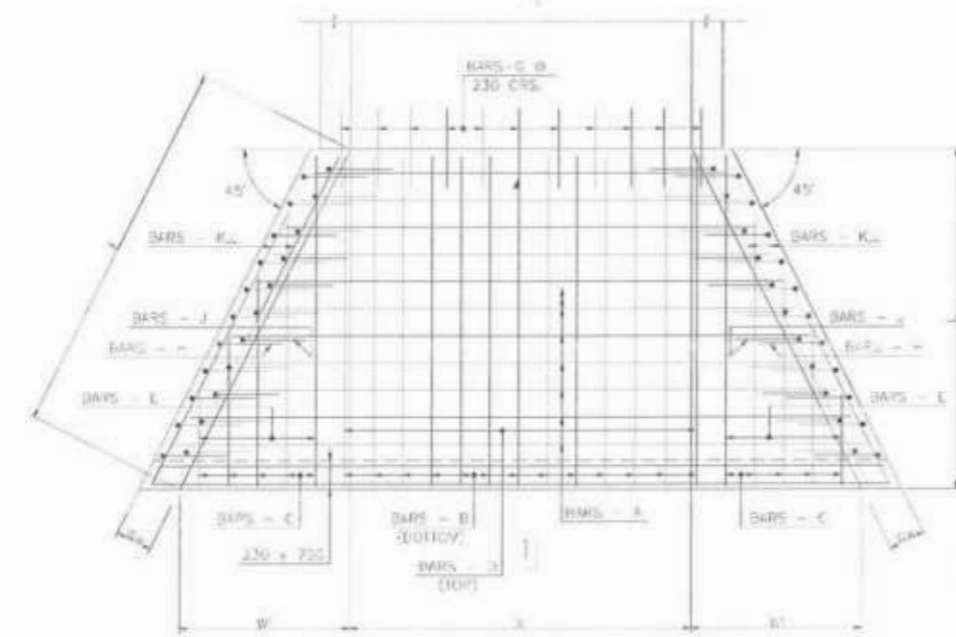


NOTES

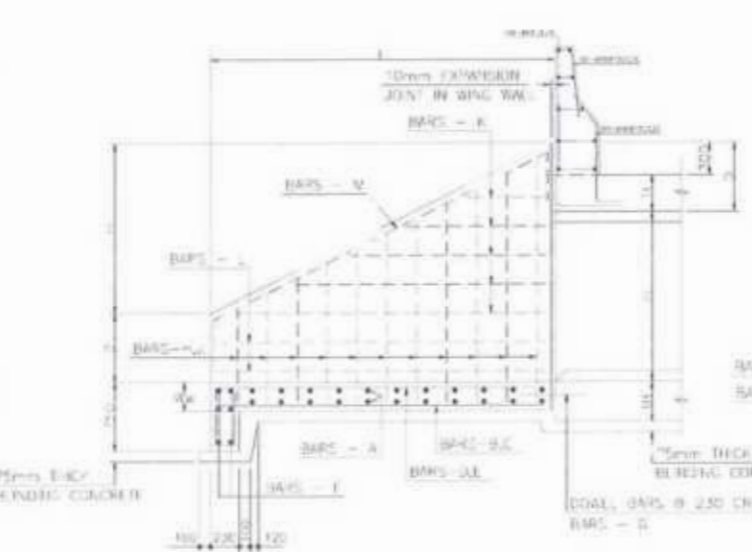
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- ALL STRUCTURAL CONCRETE SHALL BE CLASS-A3 WITH COMPRESSIVE STRENGTH OF 250 kg/cm².
- ALL STRUCTURAL REINFORCEMENT SHALL BE OF GR40-60 STEEL, CONFORMING TO ASTM A-615.
- MINIMUM COVER TO THE REINFORCEMENT TO BE 40mm.

[Handwritten signature]

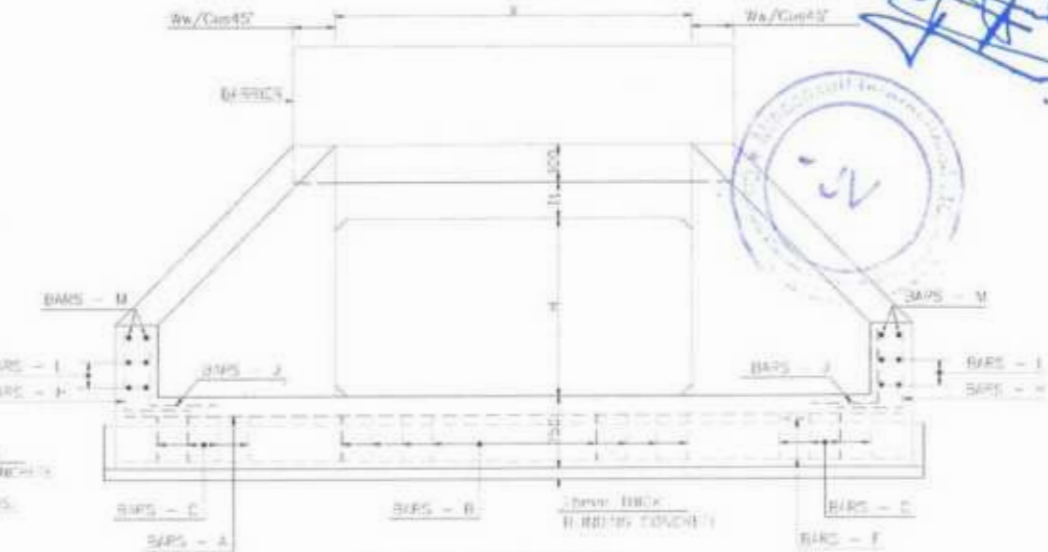
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Peshawar



PLAN OF SLAB AT GROUND LEVEL



TYP. SEC. 1 - 1



END ELEVATION

[Handwritten signature]

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (PVT) LTD.	REV. DATE. DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		a. SEP. 2024 TENDER DRAWINGS	DESIGNED: M.FAZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7	REINFORCEMENT DETAIL OF BOX CULVERT APRON & WING WALL
		b.	DRAWN: MUSHTAQ		LOT-2	N.T.S.
		b.	CHECKED: M.ISLAM		DATE: SEP.	

DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH A/SHTO STANDARDS FOURTEENTH EDITION 1986 AND THE GENERAL SPECIFICATION OF THIS CONTRACT.

PIPE CULVERT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. CLASS 'C' CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 240 KG PER CM² AT 28 DAYS.
3. CLASS 'B' CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 200 KG PER CM² AT 28 DAYS.
4. LEAN CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 100 KG PER CM² AT 28 DAYS.
5. CONCRETE PIPE SHALL CONFORM TO PIP/P/100, THICKNESS CONCRETE QUALITY, WORK SHALL BE DONE PER THE SPECIFICATIONS.
6. ALL SUBSTRUCTURE FINISHES SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
7. ALL RETAINING STRUCTURE SHALL BE SUBJECT TO CHANGE TO SURE TIE-UP CONDITIONS.
8. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 20 MM.
9. THE CHANNEL LOCATION, TYPE, SKEW ANGLE AND INVERT ELEVATION SHALL BE AS SHOWN IN THE DRAWING AND SCHEDULE OF CULVERTS.
10. TOTAL EXISTING LENGTH, SLOPE SHALL AND INVERT ELEVATION SHALL BE PROVIDED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE CULVERT.
11. FILLING MATERIAL SHALL BE 95% COMPACTED EARTH.

MORTAR :

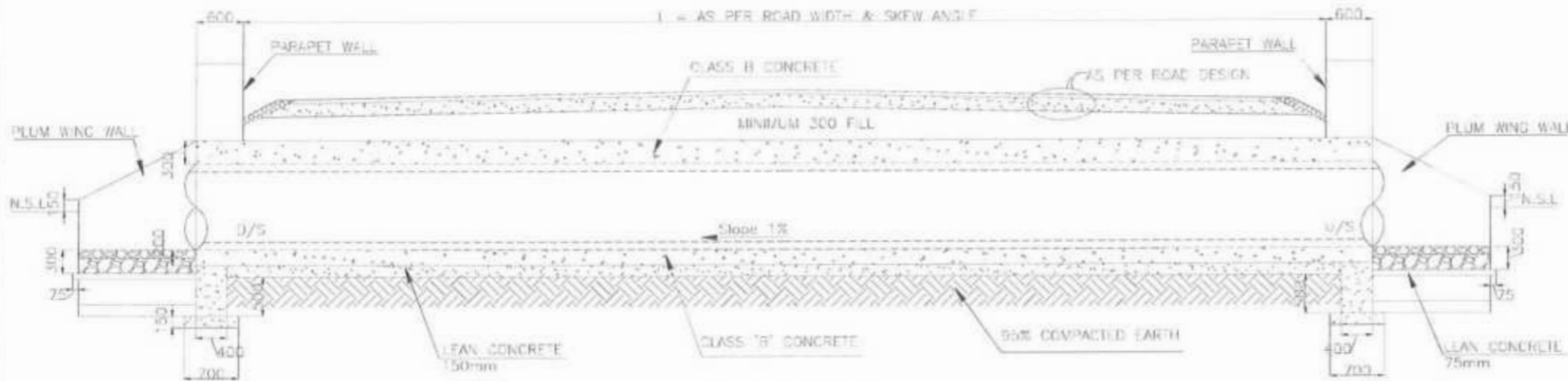
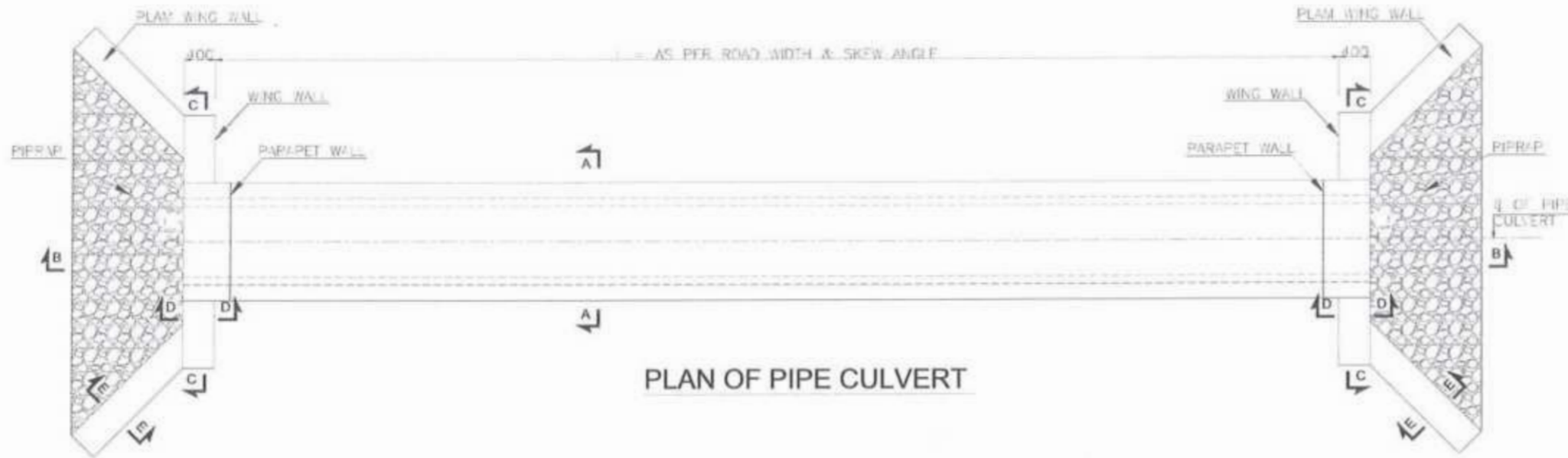
- 1 - PORTLAND CEMENT = 450 KG PER M³
- 2 - SAND = 1450 KG PER M³

PORTLAND CEMENT CONCRETE :

- 1 - LEAN CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 100$ KG PER CM²
- 2 - CLASS 'B' CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 200$ KG PER CM²
- 3 - REINFORCED CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 240$ KG PER CM²

REINFORCEMENT :

- 1 - REINFORCING STEEL SHALL BE GR60 STEEL CONFORM TO A/SHTO
- 2 - ALL STEEL SHALL BE GALVANIZED WITH MINIMUM 55% ZINC COATING

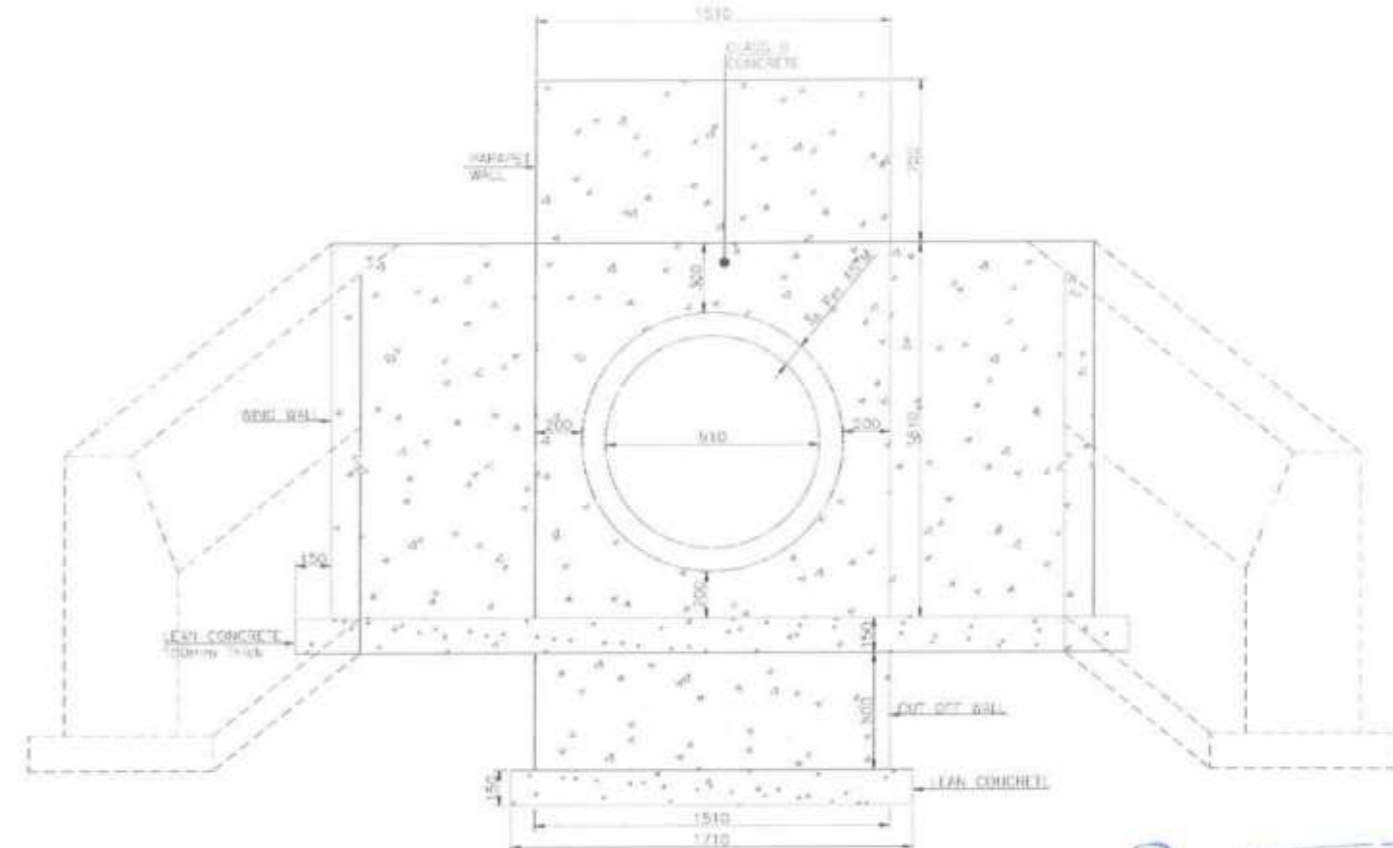


[Handwritten signature]

Project Director (PMD)
Provincial Road Development Project
C&W Department, Islamabad

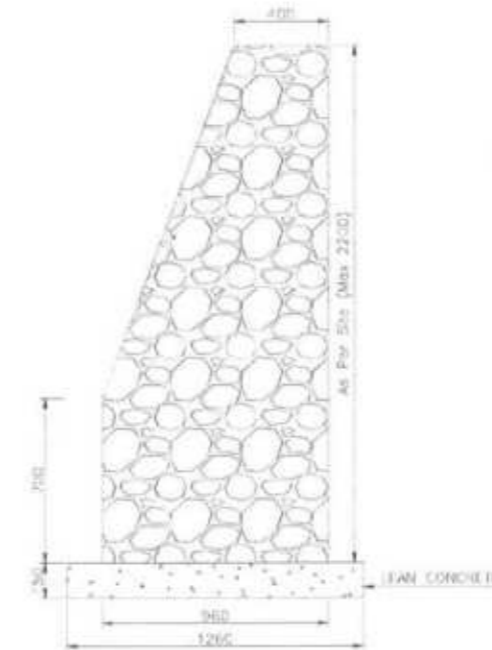
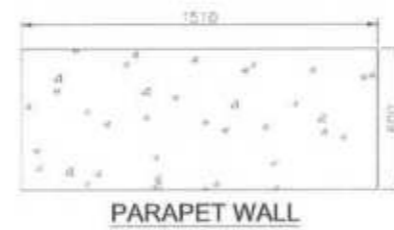
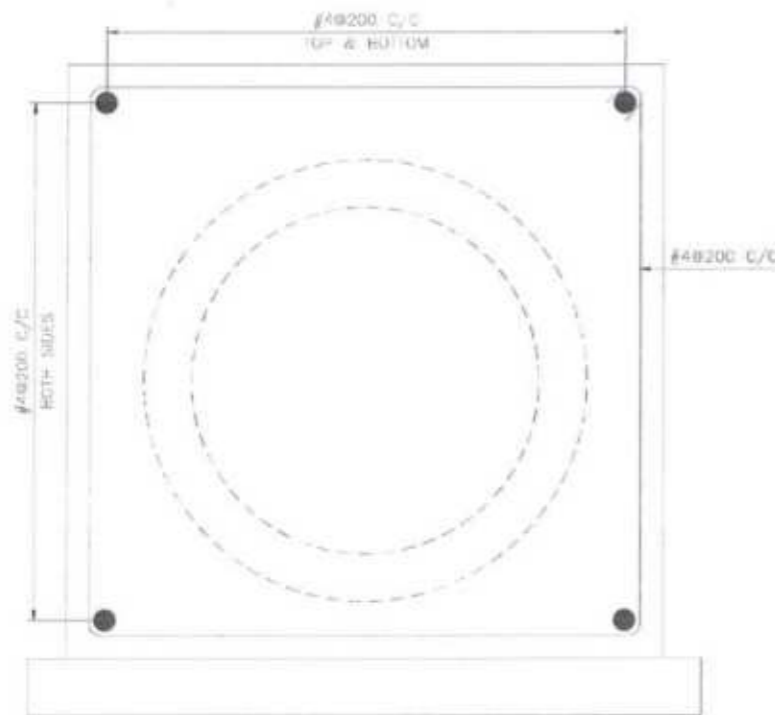


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	8	SEP. 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) PACKAGE-7 LOT-2	N.T.S	TYPICAL PIPE CULVERT PLAN & SECTIONS



[Handwritten signature]

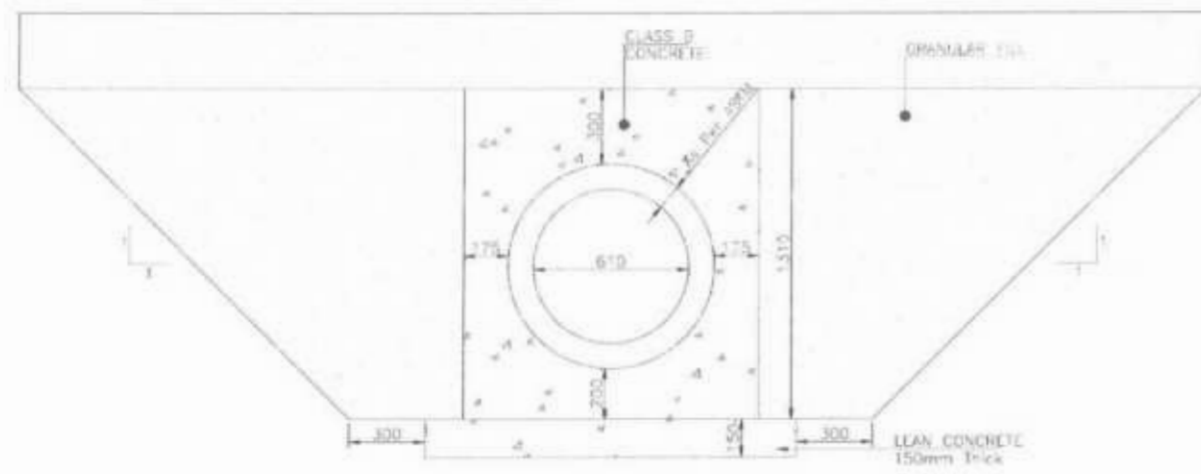
Project Director (F II)
Provincial Roads Development Project
C&W Department, Peshawar



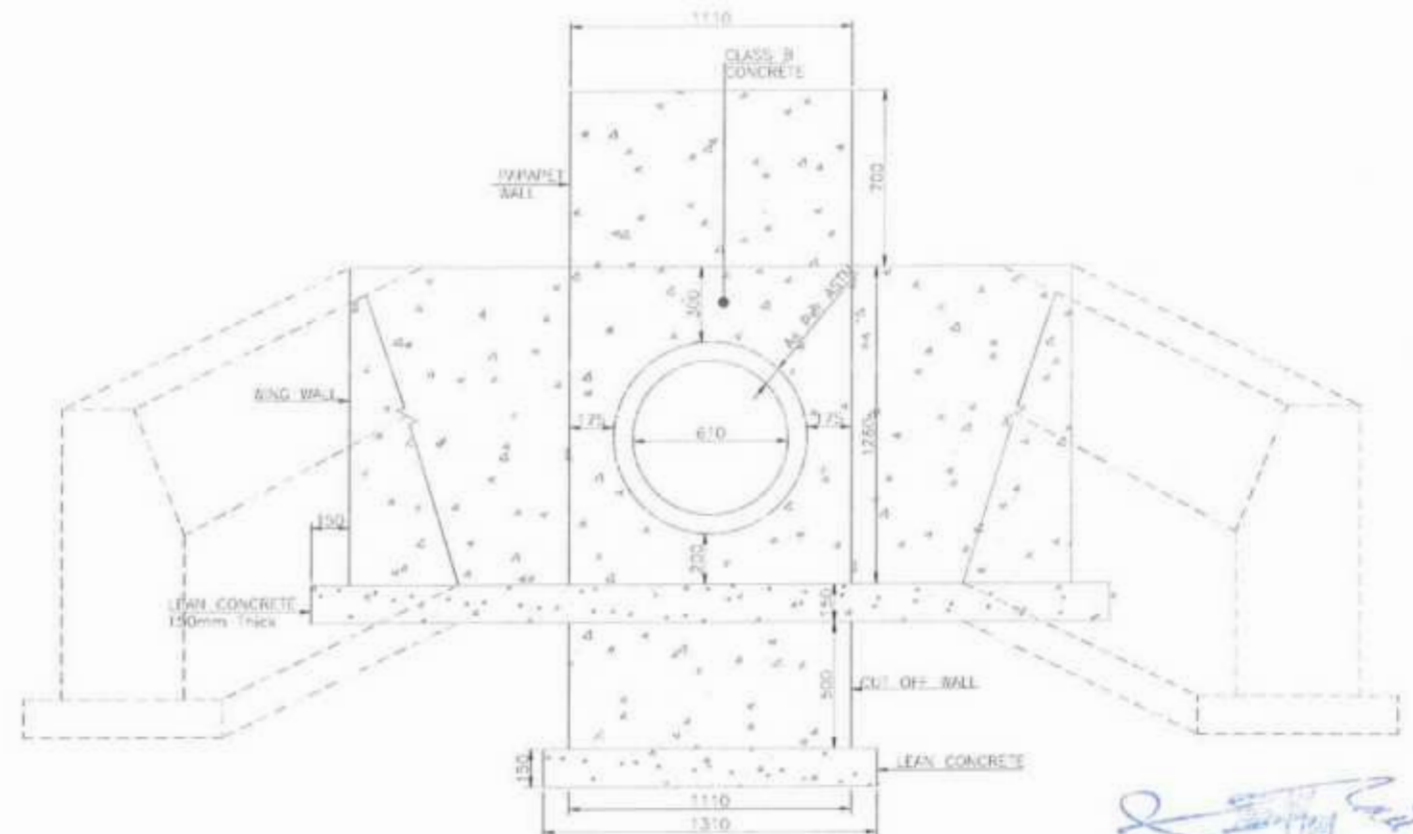
[Handwritten signature]
[Circular stamp]

PIPE CULVERT
ENCASEMENT REINFORCEMENT

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. <p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p> </p>	0	SEP. 2024	TENDER DRAWINGS	DESIGNED: M.FAZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7 LOT-2	N.T.S DATE: SEP.



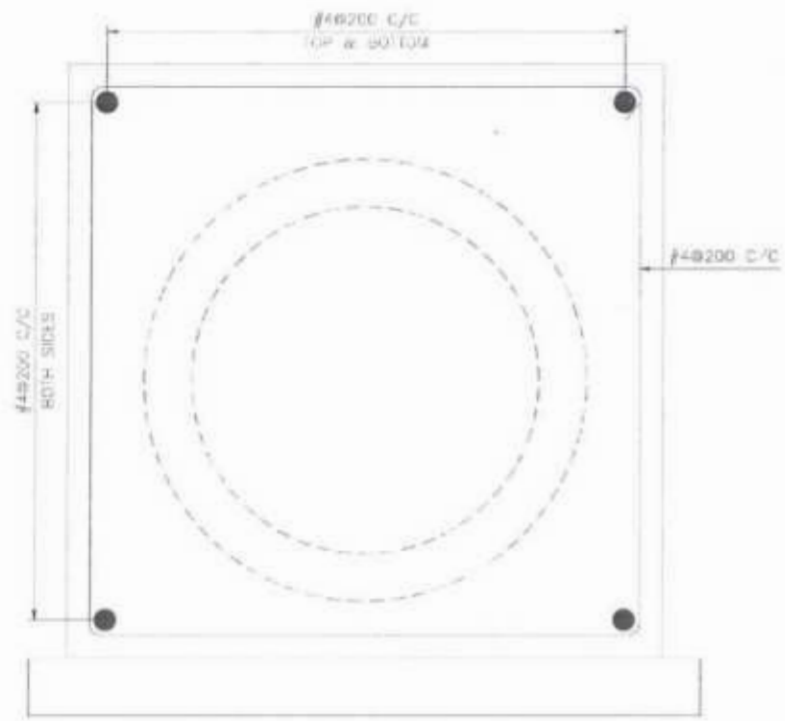
SECTION A-A
PIPE CULVERT DIA=610



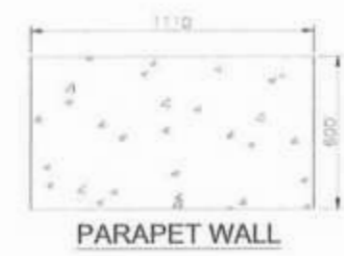
SECTION C-C PIPE CULVERT DIA=610
WITH WING WALL X-SECTION

[Handwritten signature]

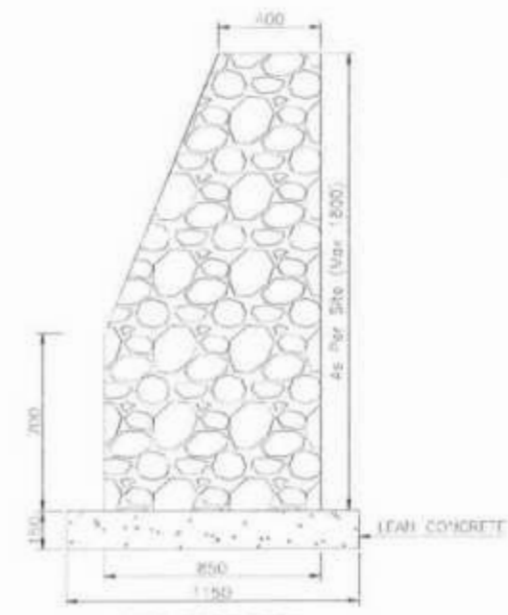
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar



PIPE CULVERT
ENCASEMENT REINFORCEMENT



PARAPET WALL



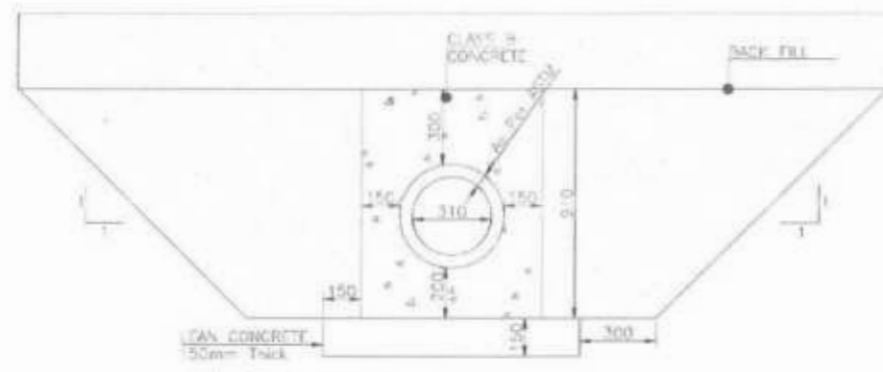
SECTION E-E
PIPE CULVERT DIA = 610mm
PLUM WALL X-SECTION



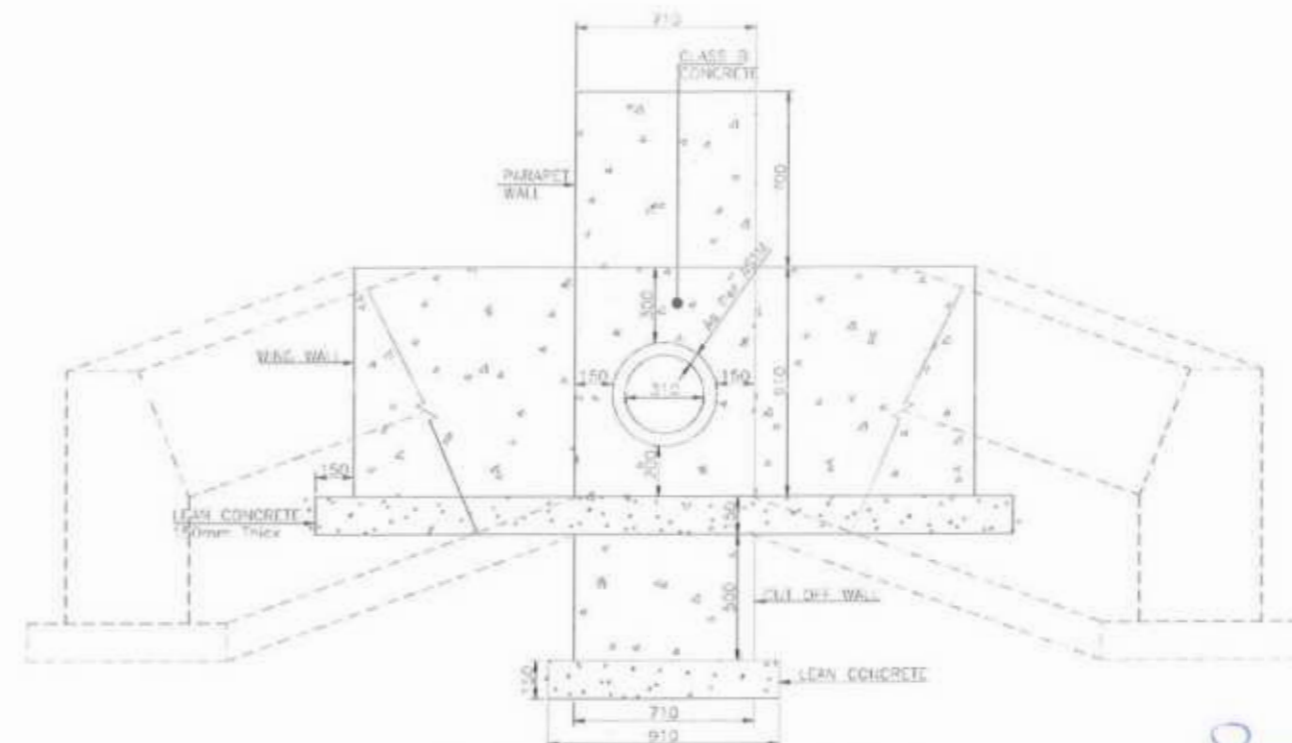
SECTION D-D
PIPE CULVERT DIA = 610mm
WING WALL X-SECTION

[Handwritten signature]

CLIENT:	DESIGN CONSULTANT:	REV.	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	a	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7	N.T.S.	
					DRAWN: MUSHTAQ		LOT-2	DATE:	Ø610 mm TYPICAL PIPE CULVERT SECTION DETAILS
					CHECKED: M.ISLAM		SEP, 2024	PIU NO: CEC/RRDP/PIU/ST/2024/...	



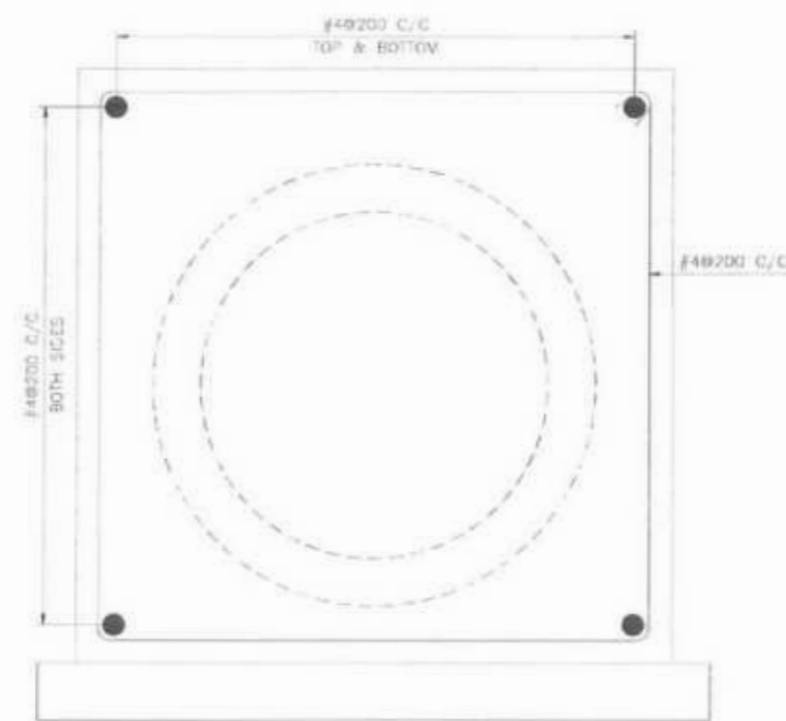
SECTION A-A
PIPE CULVERT DIA=310



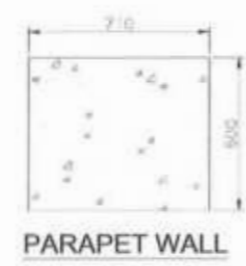
SECTION C-C PIPE CULVERT DIA=310
WITH WING WALL X-SECTION

[Handwritten Signature]

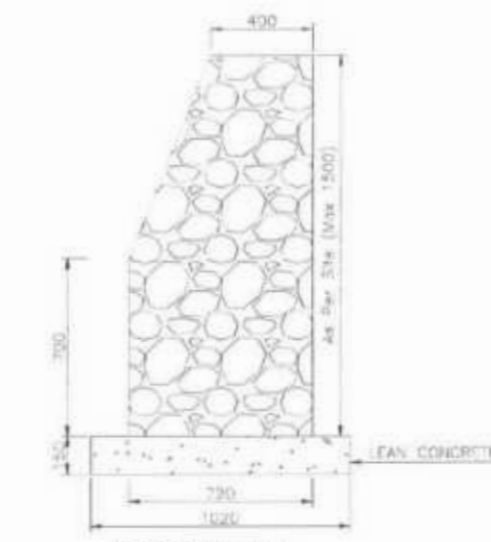
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



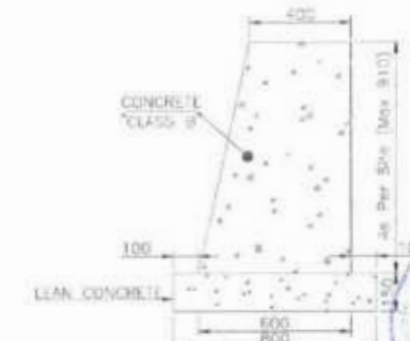
PIPE CULVERT
ENCASEMENT REINFORCEMENT



PARAPET WALL



SECTION E-E
PIPE CULVERT DIA = 310mm
PLUM WALL X-SECTION

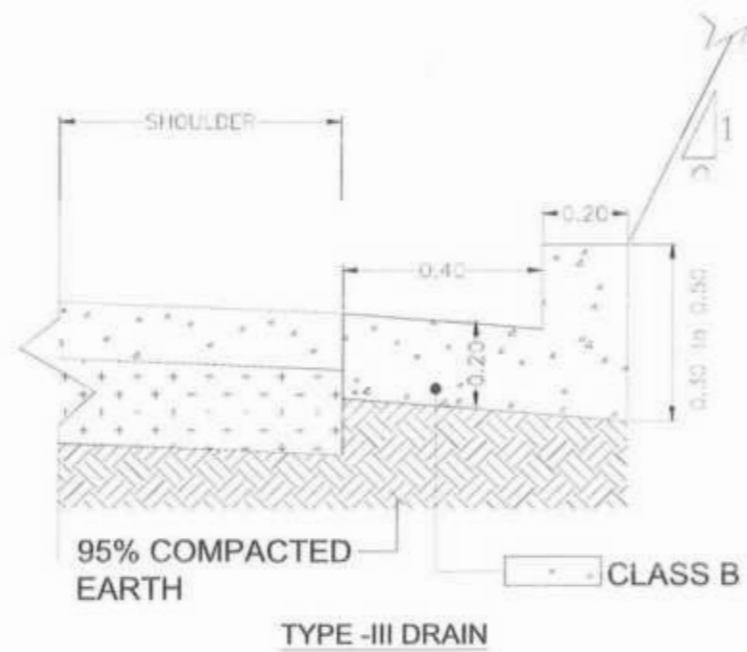
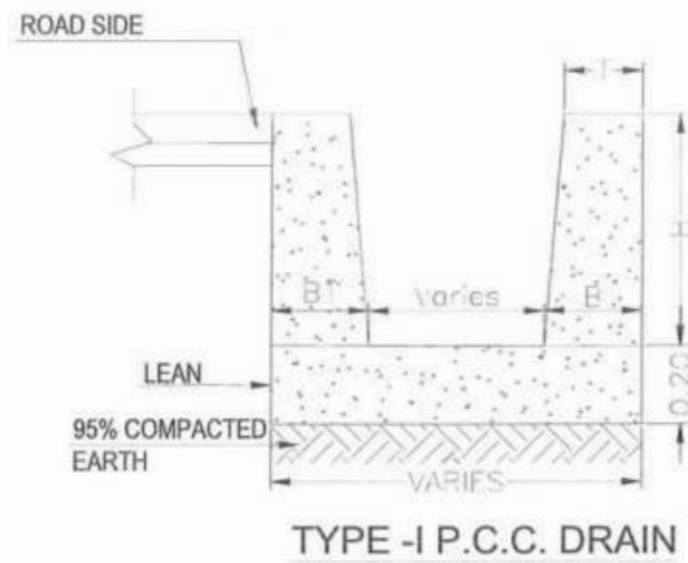
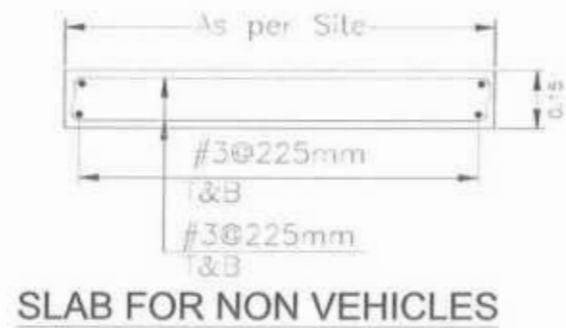


SECTION D-D
PIPE CULVERT DIA = 310mm
WING WALL X-SECTION

[Handwritten Signature]

[Official Seal]

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	1	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: N.T.S	8310 mm TYPICAL PIPE CULVERT SECTION DETAILS
		2			DRAWN: MUSHTAQ		PACKAGE-7	
		3			CHECKED: M.ISLAM		LOT-2	
							DATE: SEP,	



NOTES :

- 1 - TYPE-I DRAIN IS APPLICABLE FOR BUILTUP AREA.
- 2 - TYPE-II DRAIN IS APPLICABLE FOR HILLY AREA CUTTING PORTIONS. TYPE OF DRAIN & LOCATION SHALL DECIDED BY THE ENGINEER INCHARGE.
- 3 - ACTUAL LOCATION, LENGTH, SLOPE AND ELEVATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION
- 4 - ALL DIMENSIONS ARE IN METERS

PORTLAND CEMENT CONCRETE :

- 1 - PLAIN CEMENT CONCRETE 28 DAYS COMPRESSIVE
- 2 - CLASS 'A' CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 210 \text{ Kg per cm}^2$.
- 3 - CLASS 'B' CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 170 \text{ Kg per cm}^2$.
- 4 - LEAN CONCRETE STRENGTH $f_c' = 100 \text{ Kg per cm}^2$.
- 5 - REINFORCING STEEL SHALL BE GRADE 60 STEEL CONFORMING TO AASHTO M-31 (ASTM A-615) WITH MINIMUM YIELD STRENGTH OF 4220 Kg/Sq.Cm (60,000 Psi).

[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

TYPE -I PCC DRAIN			
H (m)	B (m)	B1 (m)	T (m)
0.30	0.200	0.260	0.150
0.45	0.250	0.430	0.175
0.60	0.300	0.510	0.200
0.75	0.350	0.560	0.200
1.00	0.400	0.730	0.200

[Signature]
[Stamp]

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7 LOT-2	N.T.S DATE: SEP.



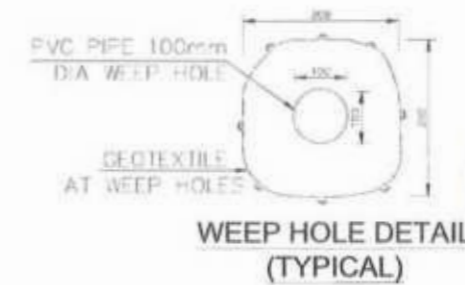
PLUM RETAINING WALL

NOTES

1. WEEP HOLES PVC PIPE 100mm DIA SHALL BE STAGGERED AT AN INTERVAL OF 1500mm VERTICAL AND HORIZONTAL AND AS ADDITIONALLY DIRECTED BY THE ENGINEER.
2. THE SLOPE OF WEEP HOLES SHALL BE 1 IN 8 FROM BACK OF THE WALL TO THE OUTER FACE OR AS DIRECTED BY THE ENGINEER.
3. PLUM CONCRETE IN 3:2 (3 PARTS CONCRETE CLASS 'B' & 2 PART ROCK FILL MATERIAL) HAVING STONE SIZE RANGING BETWEEN 200-300) BE UTILIZED.
4. PCC PARAPET SHALL BE PROVIDED AT TOP OF RETAINING WALL AND AT OTHER HAZARDOUS LOCATIONS, GUARD RAIL SHALL BE PROVIDED OVER 4m HIGH FILL OR AS DIRECTED BY THE ENGINEER.
5. SAFE BEARING CAPACITY MENTIONED IN THE TABLE SHOULD BE ACHIEVED PRIOR TO CONSTRUCTION AT SITE IF LESS IT SHOULD BE COMMUNICATED TO THE ENGINEER.
6. AFTER 10m LENGTH CONSTRUCTION JOINT SHOULD BE PROVIDE.
7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
8. MINIMUM 28 DAYS CYLINDER COMPRESSIVE STRENGTH OF CONCRETE IN FOOTING SHOULD BE 210 Kg/cm² (3000 Psi)
9. NSL SHOULD BE AT LEAST 2m ABOVE THE BOTTOM OF FOOTING ON THE OUTER SIDE OF PLUM RETAINING WALL.
10. ALL SUB-STRUCTURE FOOTING SHALL BE SUBJECTED TO APPROVAL BY THE ENGINEER. ALL ELEVATION SHOWN ARE ESTIMATED AND SUBJECTED TO CHANGE TO SUIT FILL CONDITION.
11. COMPACTION OF FILL MATERIAL (AS PER SPECIFICATION BY JETTING OR PONDING WITH WATER IS NOT PERMITTED. EACH LAYER OF FILL, MAXIMUM 200mm IN THICKNESS, SHALL BE MOISTENED AS REQUIRED. (OPTIMUM MOISTURE CONTENT FROM STANDARD PROCTOR TEST) AND THOROUGHLY TEMPERED OR OTHERWISE COMPACTED TO MINIMUM OF 95% COMPACTION (STANDARD PROCTOR TEST).



X SECTION OF PARAPET WALL



WEEP HOLE DETAIL (TYPICAL)



TYPICAL PLAN OF PARAPET WALL

RETAINING WALL DIMENSIONS																1. T _{ult} = 107.2 kPa	
H	H1	H2	H3	H4	H5	H6	H7	W0	W1	W2	W3	W4	W5	W6	B	BEARING PRESSURE (Kpa)	
5000	1250	1250	1250	1250	1550			800	450	450	450	450	450	450	3600	216.25	
6000	1250	1250	1250	1250	1250	1300		800	450	450	450	450	450	450	4500	222	
7000	1250	1250	1250	1250	1250	1150	1150	800	450	450	450	450	450	450	5000	238.84	

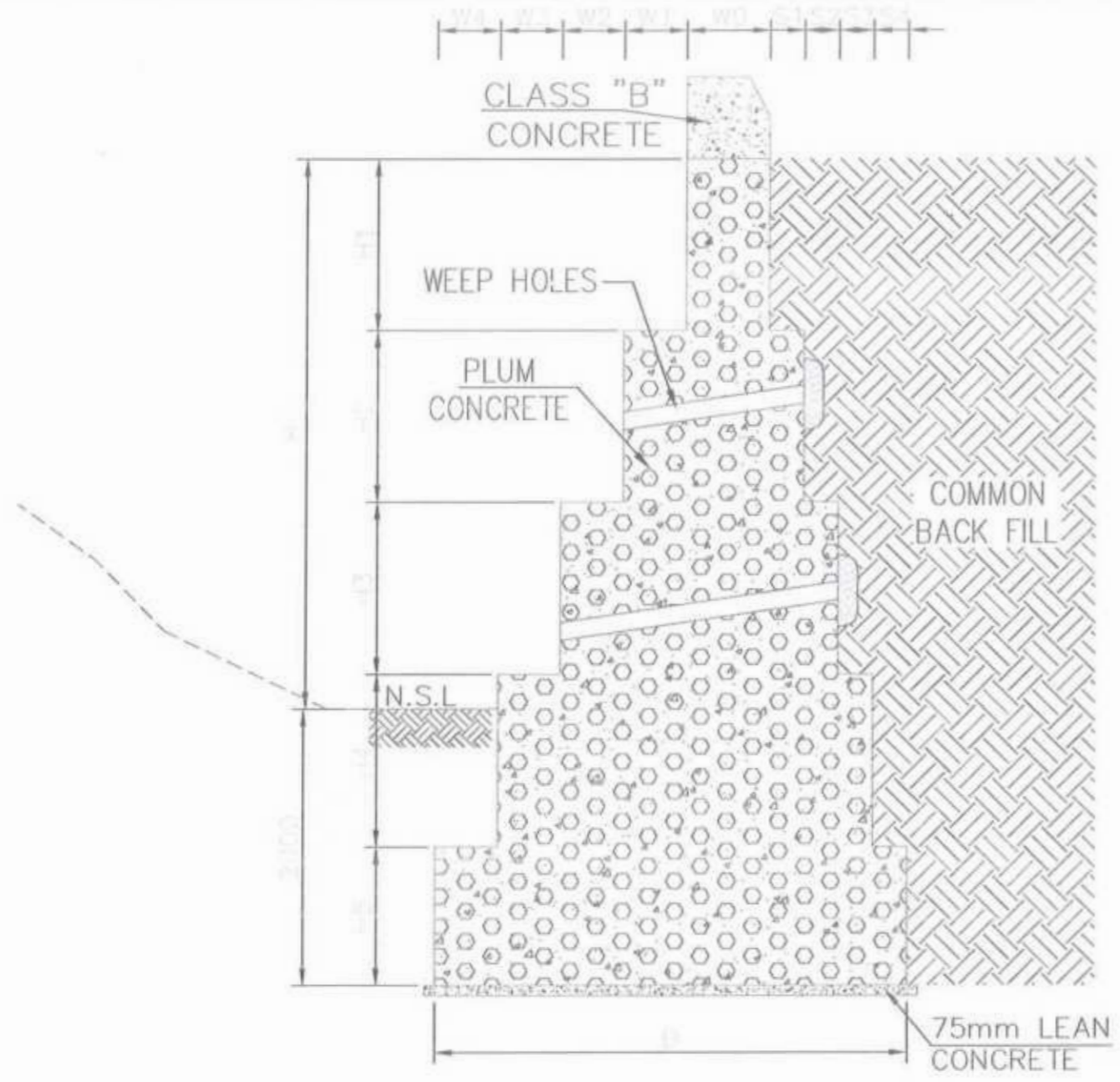
[Handwritten Signature]

Project Director (P.U)
Provincial Roads Improvement Project
C&W Department Peshawar.

[Handwritten Signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING</p>	REV	DATE	DESCRIPTION	NAMES	PROJECT:	SCALE:	SHEET CONTENT:	
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7 LOT-2	N.T.S	DETAIL OF PLUM CONCRETE RETAINING WALL
		1			DRAWN MUSHTAQ			DATE:	
		2			CHECKED M.USLAM			SEP.	
CLIENT:		DESIGN CONSULTANT:		REV				DATE	

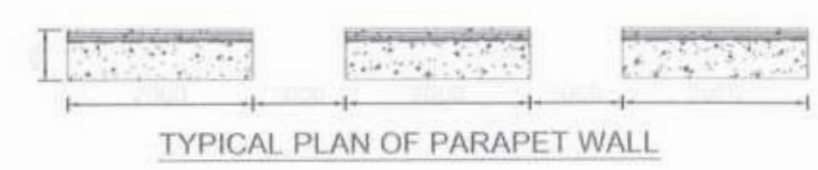
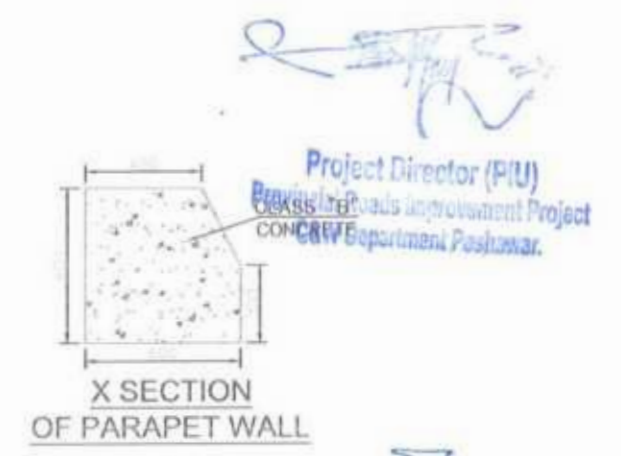


PLUM RETAINING WALL

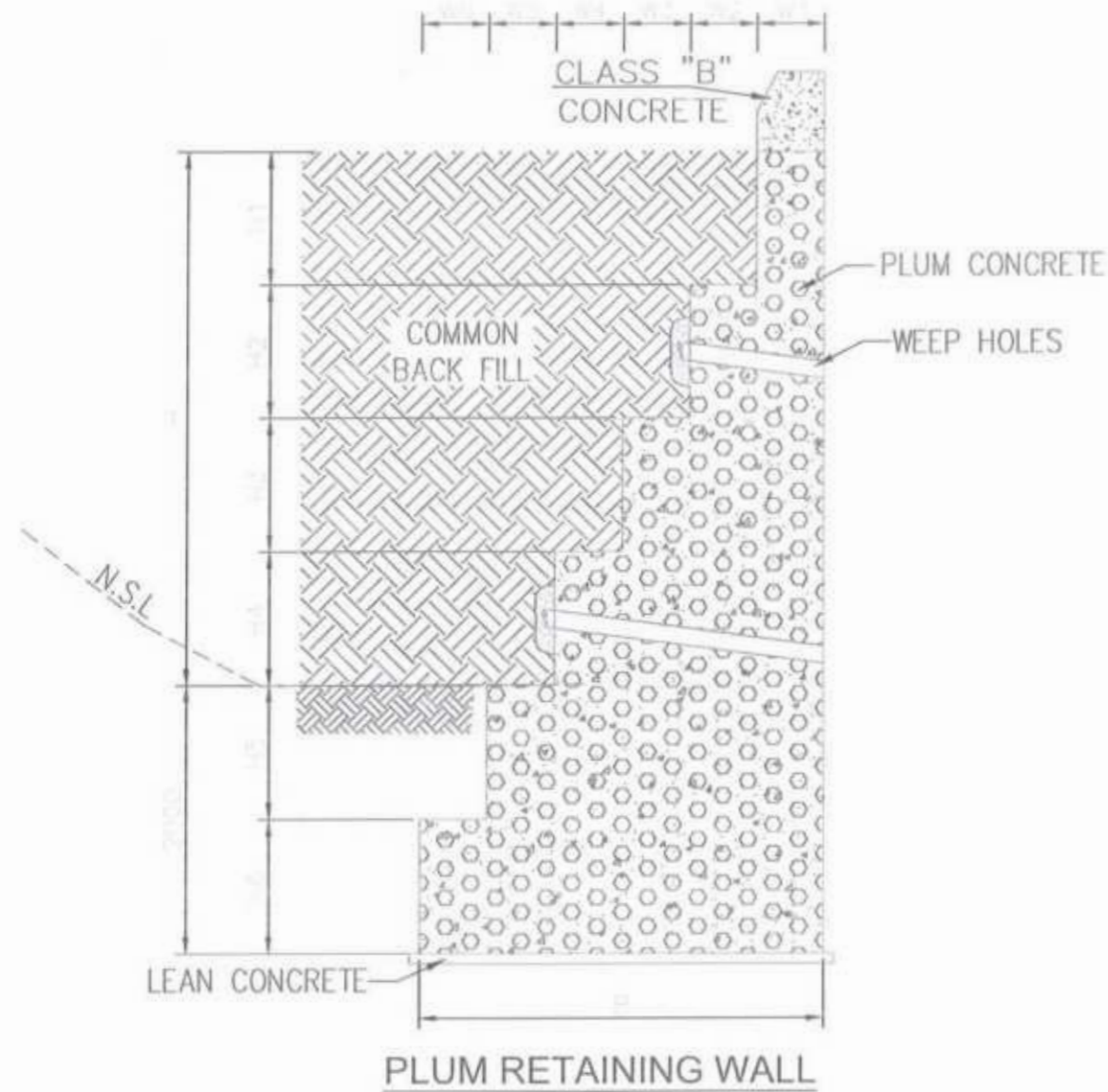
RETAINING WALL DIMENSIONS													1 Ts _f =107.2 kPa
H	H1	H2	H3	H4	H5	W0	B	W1	W2	W3	W4	BEARING PRESSURE (Kpa)	
								S1	S2	S3	S4		
1000	1500	1500				600	1300	450				143	
								250					
2000	1250	1250	1500			600	2000	450	450			145	
								250	250				
3000	1250	1250	1250	1250		600	2700	450	450	450		150	
								250	250	250			
4000	1250	1250	1250	1250	1000	600	3400	450	450	450	450	158	
								250	250	250	250		

NOTES

1. WEEP HOLES PVC PIPE 100mm DIA SHALL BE STAGGERED AT AN INTERVAL OF 1500mm VERTICAL AND HORIZONTAL AND AS ADDITIONALLY DIRECTED BY THE ENGINEER.
2. THE SLOPE OF WEEP HOLES SHALL BE 1 IN 8 FROM BACK OF THE WALL TO THE OUTER FACE OR AS DIRECTED BY THE ENGINEER.
3. PLUM CONCRETE IN 3:2 (3 PARTS CONCRETE CLASS 'B' & 2 PART ROCK FILL MATERIAL) HAVING STONE SIZE RANGING BETWEEN 200~300) BE UTILIZED.
4. PCC PARAPET SHALL BE PROVIDED AT TOP OF RETAINING WALL AND AT OTHER HAZARDOUS LOCATIONS, GUARD RAIL SHALL BE PROVIDED OVER 4m HIGH FILL OR AS DIRECTED BY THE ENGINEER.
5. SAFE BEARING CAPACITY MENTIONED IN THE TABLE SHOULD BE ACHIEVED PRIOR TO CONSTRUCTION AT SITE IF LESS IT SHOULD BE COMMUNICATED TO THE ENGINEER
6. AFTER 10m LENGTH CONSTRUCTION JOINT SHOULD BE PROVIDE.
7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
8. MINIMUM 28 DAYS CYLINDER COMPRESSIVE STRENGTH OF CONCRETE IN FOOTING SHOULD BE 210 Kg/cm² (3000 Psi)
9. NSL SHOULD BE AT LEAST 2m ABOVE THE BOTTOM OF FOOTING ON THE OUTER SIDE OF PLUM RETAINING WALL.
10. ALL SUB-STRUCTURE FOOTING SHALL BE SUBJECTED TO APPROVAL BY THE ENGINEER. ALL ELEVATION SHOWN ARE ESTIMATED AND SUBJECTED TO CHANGE TO SUIT FILL CONDITION.
11. COMPACTION OF FILL MATERIAL (AS PER SPECIFICATION BY JETTING OR PONDING WITH WATER IS NOT PERMITTED. EACH LAYER OF FILL, MAXIMUM 200mm IN THICKNESS, SHALL BE MOISTENED AS REQUIRED. (OPTIMUM MOISTER CONTENT FROM STANDARD PROCTOR TEST) AND THOROUGHLY TEMPERED OR OTHERWISE COMPACTED TO MINIMUM OF 95% COMPACTION (STANDARD PROCTOR TEST).

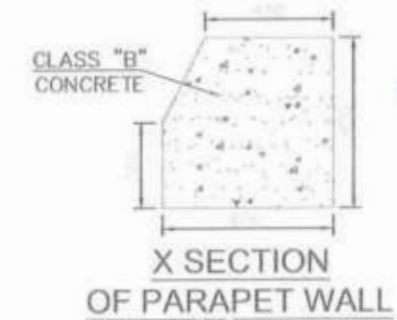


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC) MIRONSAL & SON (PVT) LTD. JV, CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		1	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7 LOT-2	N.T.S DATE: SEP, 2024

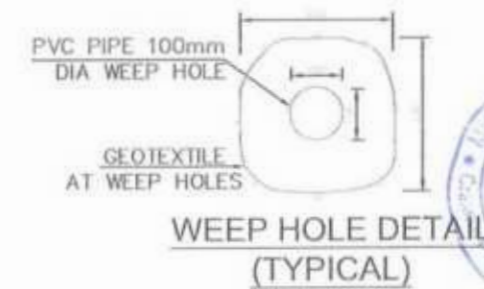


NOTES

1. WEEP HOLES PVC PIPE 100mm DIA SHALL BE STAGGERED AT AN INTERVAL OF 1500mm VERTICAL AND HORIZONTAL AND AS ADDITIONALLY DIRECTED BY THE ENGINEER.
2. THE SLOPE OF WEEP HOLES SHALL BE 1 IN 8 FROM BACK OF THE WALL TO THE OUTER FACE OR AS DIRECTED BY THE ENGINEER.
3. PLUM CONCRETE IN 3:2 (3 PARTS CONCRETE CLASS 'B' & 2 PART ROCK FILL MATERIAL) HAVING STONE SIZE RANGING BETWEEN 200~300) BE UTILIZED.
4. PCC PARAPET SHALL BE PROVIDED AT TOP OF RETAINING WALL AND AT OTHER HAZARDOUS LOCATIONS, GUARD RAIL SHALL BE PROVIDED OVER 4m HIGH FILL OR AS DIRECTED BY THE ENGINEER.
5. SAFE BEARING CAPACITY MENTIONED IN THE TABLE SHOULD BE ACHIEVED PRIOR TO CONSTRUCTION AT SITE IF LESS IT SHOULD BE COMMUNICATED TO THE ENGINEER
6. AFTER 10m LENGTH CONSTRUCTION JOINT SHOULD BE PROVIDE.
7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
8. MINIMUM 28 DAYS CYLINDER COMPRESSIVE STRENGTH OF CONCRETE IN FOOTING SHOULD BE 210 Kg/cm² (3000 Psi)
9. NSL SHOULD BE AT LEAST 2m ABOVE THE BOTTOM OF FOOTING ON THE OUTER SIDE OF PLUM RETAINING WALL.
10. ALL SUB-STRUCTURE FOOTING SHALL BE SUBJECTED TO APPROVAL BY THE ENGINEER. ALL ELEVATION SHOWN ARE ESTIMATED AND SUBJECTED TO CHANGE TO SUIT FILL CONDITION.
11. COMPACTION OF FILL MATERIAL (AS PER SPECIFICATION BY JETTING OR PONDING WITH WATER IS NOT PERMITTED. EACH LAYER OF FILL, MAXIMUM 200mm IN THICKNESS, SHALL BE MOISTENED AS REQUIRED. (OPTIMUM MOISTER CONTENT FROM STANDARD PROCTOR TEST) AND THOROUGHLY TEMPERED OR OTHERWISE COMPACTED TO MINIMUM OF 95% COMPACTION (STANDARD PROCTOR TEST).



[Signature]
 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar.



[Signature]
 [Circular Stamp]



RETAINING WALL DIMENSIONS

H	H1	H2	H3	H4	H5	H6	W1	W2	W3	W4	W5	W6	B	BEARING PRESSURE (Kpa)
2000	1000	1500	1500				750	750	750				2250	188.3
3000	1000	1500	1500				750	750	750	750			3000	223
4000	1500	1500	1500	1500			750	1000	1000	1000			3750	257
5000	1000	1500	1500	1500	1500		750	1200	1200	1200	1200		5550	260
6000	1000	1000	1500	1500	1500	1500	750	1070	1070	1070	1070	1070	6100	299

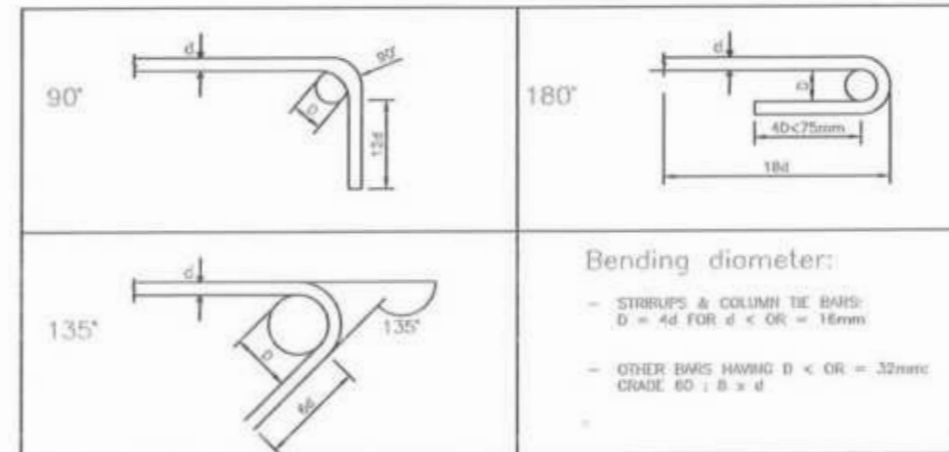
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (1007079-M) (200974-E) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT:	SCALE:	SHEET CONTENT:
		1	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7 LOT-2	N.T.S DATE: SEP, 2024

GENERAL NOTES – CULVERTS

1. THE DESIGN IS IN ACCORDANCE WITH AASHTO "LFRD 2020" AND PAKISTAN CODE OF PRACTICE FOR HIGHWAY BRIDGES, 1967.
2. THE DESIGN IS BASED ON THE ASSUMPTION OF A HOMOGENEOUS FOUNDATION MATERIAL AT AND AROUND THE LOCATION OF THE CULVERT. IN CASE NON-HOMOGENEOUS MATERIAL IS ENCOUNTERED, CASE SHOULD BE REFERRED TO THE DESIGN ENGINEER FOR OPENION/REDESIGN.
3. ALL REINFORCING STEEL SHALL BE DEFORMED BARS GRADE 60, CONFORMING TO ASTM A – 615 STANDARDS HAVING 4200 Kg/Sq.Cm (60,000 PSI) MIN YIELD STRENGTH.
4. DESIGN OF SPECIFIED CONCRETE MIX SHALL BE SUBMITTED BY THE CONTRACTOR AND SHALL BE APPROVED FROM THE ENGINEER WELL BEFORE CONCRETING OF RELEVANT STRUCTURE ALONG WITH RESULT OF TEST SPECIMEN TESTED AS PER ASTM C – 39. TEST SPECIMEN SHALL BE MADE AND CURED IN ACCORDANCE WITH ASTM C – 31.
5. ORDINARY PORTLAND CEMENT, CONFORMING TO BS – 12/ PS – 232 SHALL BE USED IN ALL R.C.C WORKS.
6. CEMENT FROM DIFFERENT SOURCES SHALL NOT BE MIXED FOR THE SAME STRUCTURE, UNLESS APPROVED.
7. WELL GRADED CRUSHED STONE FROM APPROVED QUARRIES/SOURCES SHALL BE USED, AS COARSE AGGREGATE. MAXIMUM NOMINAL SIZE OF THE COARSE AGGREGATE SHALL BE 20MM FOR ALL R.C.C WORKS. IT SHALL BE CONFORM TO THE SPECIFICATIONS.
8. POTABLE WATER SHALL BE USED FOR CONCRETE & SHALL BE FREE OF ORGANIC & OTHER IMPURITIES.
9. UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL DIMENSIONS ARE IN MILLIMETERS IN BOX CULVERT DRAWINGS.
10. CONCRETE COVER PROVIDED FOR REINFORCEMENT SHALL BE AS SHOWN ON THE DRAWINGS.
11. ALL LAYOUT, CONFIGURATION, DIMENSIONS & LEVELS SHALL BE VERIFIED BEFORE PROCEEDING WITH WORK.
12. ALL REINFORCING BARS SHALL BE HELD FIRMLY IN PLACE BEFORE AND DURING THE POURING OF CONCRETE BY MEANS OF ADEQUATE NUMBER OF WIRES, CHAIRS AND SUPPORTS TO PREVENT DISLOCATION DURING THE COURSE OF CONSTRUCTION.
13. DURING CONSTRUCTION, SAFETY AND STABILITY OF STRUCTURE AND ALL THE TEMPORARY WORKS SHALL BE GIVEN PRIME IMPORTANCE. UTMOST CARE AND PRECAUTION SHALL BE EXERCISED BY THE CONTRACTOR DURING THE WORK AGAINST ANY MISHAP OR ACCIDENT.
14. CONCRETE TEST CYLINDERS / CUBES SHALL BE CURED WITH THE SAME METHOD AND CONDITIONS AS THOSE FOR THE CONCRETE WORK THEY REPRESENT.
15. THE CLASS OF CONCRETE BASED ON 28 DAYS' CYLINDER STRENGTH SHALL BE AS FOLLOWS:
 - BLINDING/LEAN CONCRETE 100 Kg/Sq.Cm.
 - CULVERTS 280 Kg/Sq.Cm. (4000 PSI)
16. THE CONTRACTION JOINTS SHALL BE PROVIDED ARROUND THE OVER ALL BARREL, AT INTERVAL 9M TO 12M ALONG THE LENGTH OF CULVERTS.
17. EXPANSION JOINTS SHALL BE PROVIDED AT THE CULVERT ENDS WHERE IT MEET THE WING WALLS AND APRON SLABS AND AT EACH 30M ALONG THE LENGTH OF CULVERT.
18. BACKFILLING AND COMPACTION SHALL BE CARRIED OUT USING APPROVED GRANULAR FILL/A3 MATERIAL IN LAYERS, NOT EXCEEDING 150MM, AND THE DIFFERENCE IN THE LEVELS OF BACKFILL ON EITHER SIDE OF CULVERT SHALL AT NO TIME EXCEED 50CM.
19. DETAILED BAR BENDING SCHEDULE SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED FOR ENGINEER'S APPROVAL. DEVELOPMENT / SPLICE / LAP LENGTH AND STANDARD HOOKS SHAL BE AS GIVEN BELOW.
20. TWO COATS OF HOT BITUMEN SHALL BE APPLIED TO ALL STRUCTURAL CONCRETE COMING IN CONTACT WITH EARTH WITHOUT ANY EXTRA COST.
21. CONCRETE SURFACE ON EXPANSION JOINT AT THE JUNCTION OF BASE SLAB OF BARREL AND APRON SLAB SHALL BE MADE FLUSH IRRESPECTIVE OF THICKNESS OF THE BASE SLAB OF BARREL AND APRON SLAB. SIMILARLY, CONCRETE SURFACE OF EXPANSION JOINT IN BARREL AND WING WALL SHALL BE FLUSH ON WATER SIDE.

22. AT LEAST A MINIMUM OF 300 MM DIFFERENCE SHOULD BE PROVIDED BETWEEN CULVERT TOP SLAB AND FRL.
23. DRAINAGE ENGINEER SHOULD PROVIDE MINIMUM SELF CLEANSING SLOPE FOR CULVERT. CONTRACTOR SHOULD MAKE SURE THAT THE CULVERTS ARE SELF CLEANSING WITH THE APPROVAL OF THE ENGINEER.
24. PRIOR TO THE CONSTRUCTION, CONTRACTOR SHOULD SUBMIT MIX DESIGN TO THE ENGINEER FOR APPROVAL THE DESIRE STRENGTH ACHIEVEMENT ON SITE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR IRRESPECT OF THE CONDITION ON SITE.
25. SHOP DRAWING AND BBS CONFIRMING WITH DRAWING SHOULD BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER PRIOR TO THE CONSTRUCTION.
26. DETAILED BAR BENDING SCHEDULE SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED FOR ENGINEER'S APPROVAL.




Ø10	=	#3
Ø12 / Ø13	=	#4
Ø16	=	#5
Ø19 / Ø20	=	#6
Ø22	=	#7
Ø25	=	#8



BAR DIA (mm)	DEVELOPMENT LENGTH (mm)		SPLICE/LAP LENGTH (mm)	
	$f_c' = 210-280 \text{ kg/sq.cm}$ $f_y' = 4200 \text{ kg/sq.cm}$		$f_c' = 210-280 \text{ kg/sq.cm}$ $f_y' = 4200 \text{ kg/sq.cm}$	
	Straight Bar	Bar with Hook	Straight Bar	Bar with Hook
10.00	500.00	250.00	500.00	250.00
12.00	600.00	300.00	600.00	300.00
16.00	800.00	400.00	800.00	400.00
18.00	900.00	450.00	900.00	450.00
20.00	1000.00	500.00	1000.00	500.00
22.00	1100.00	550.00	1100.00	550.00
25.00	1250.00	625.00	1250.00	625.00


 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.




CLIENT:	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	a	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7	GENERAL NOTES FOR CULVERTS
		b			DRAWN: MUSHTAQ		LOT-2	
		c			CHECKED: M.ISLAM			
							N.T.S	
							DATE:	
							SEP, 2024	