

GOVERNMENT OF KHYBER PAKHTUNKHWA		
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH ROAD DISTRICT CHITRAL (TOTAL LENGTH 30.00KM)(RRD-N-CHT-6)		
PACKAGE 7 LOT-1		
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	32,620,000
9	BILL NO: 7 GENERAL ITEMS	168,409,038
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)				
FLOOD ROADS DISTRICT CHITRAL				
PACKAGE 7 LOT-1				
SUMMARY OF BILLS				
S No	DESCRIPTION	TOTAL AMOUNT N-CHT-6	TOTAL AMOUNT N-CHT-7	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	168,409,038	13,980,000	182,389,038
9	BILL NO: 7 GENERAL ITEMS	168,409,038		168,409,038
TOTAL AMOUNT OF CIVIL WORK:				
TOTAL AMOUNT OF CIVIL WORK IN MILLIONS:				



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GOVERNMENT OF KHYBER PAKHTUNKHWA						
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)						
REHABILITATION, IMPROMENT AND CONSTRUCTION OF ROAD FROM NISHKO BRDIGE TO SHAHGROOM TIRCH ROAD DISTRICT CHITRAL (TOTAL LENGTH 30.00KM)(RRD-N-CHT-6)						
PACKAGE 7 LOT-1						
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	49,500.00			-
104	Compaction of Natural Ground	SM	49,500.00			-
108a	Formation of Embankment from Road way excavation in common material	CM	32,166.23			-
108b (iii)	Formation of Embankment from Roadway excavation in Soft Rock Material	CM	21,444.15			-
106a / 106c	Excavate Unsuitable / Surplus Common Material	CM	70,074.28			-
106bi / di	Excavate Unsuitable / Surplus Hard Rock Material	CM	46,716.19			-
106bi / dii	Excavate Unsuitable / Surplus Medium Rock Material	CM	36,098.87			-
106bii / diii	Excavate Unsuitable / Surplus Soft Rock Material	CM	59,456.97			-
109a	Subgrade preparation in Earth Cut	SM	59,400.00			-
Total:						-

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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCHI ROAD DISTRICT CHITRAL (TOTAL LENGTH 30.00KM)(RRD-N-CHT-6)						
PACKAGE 7 LOT-1						
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	26,790.00			-
401a2 ii	Concrete Class A2 (ON GROUND)	CM	30,158.00			-
310.2.3	Providing and laying Polythene sheet heavy weight under rigid pavement including overlapping, wastage and cartage etc complete as per drawing.	SM	146,755.00			-
SIW-15 406a	Premoulded Joint Filler 20 mm Thick with Bitumatic joint seal	M	29,302.00			-
Total:						-



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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH ROAD DISTRICT CHITRAL (TOTAL LENGTH 30.00KM)(RRD-N-CHT-6)						
-PACKAGE 7 LOT-1						
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	1,490.00			-
401f	Lean Concrete	CM	376.00			-
401 a3ii	Concrete Class A3 (On ground)	CM	1,990.00			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	203.07			-
507 b	Rock Fill in Gabions	CM	6,960.00			-
SIW-17 507 a	Steel Wire Mesh for Gabions	SM	12,000.00			-
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	351.00			-
SIW-13	Providing and filling sand behind abutment of culverts and causeways	CM	4,001.00			-
Total:						-



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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH ROAD DISTRICT CHITRAL (TOTAL LENGTH 30.00KM)(RRD-N-CHT-6)						
PACKAGE 7 LOT-1						
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 BREAST WALL)

107a	Structural Excavation in Common Material.	CM	30,168.00			-
107e	Common Backfill	CM	6,366.00			-
401b	Concrete Class B	CM	3,371.00			-
401a1 (ii)	Concrete Class A1 (ON GROUND)	CM	454.00			-
401f	Lam Concrete	CM	6,294.00			-
SIW-16 401h	Plain Concrete (Class 'B' with 40% Boulders' Rock) as per drawing & Engineer's Instructions	CM	83,152.00			-
Total:						-



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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCHI ROAD DISTRICT CHITRAL (TOTAL LENGTH 30.00KM)(RRD-N-CHT-6)					
PACKAGE 7 LOT-1					
BILLS OF QUANTITIES					
NHA Specification Item No.	DESCRIPTION	Unit	BDO		
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words

BILL # 4a (CONSTRUCTION OF RCC BRIDGES)

407i	Pile Load Tests to 2 times the design load	Each	3.00			-
SIW 7 (Item 407)	Exploratory/Confirmatory Boring and Soil testing, including soil investigation report					-
SIW 7 a	Exploratory/Confirmatory Boring	M	120.00			-
SIW 7 b	Soil testing, / investigation report	L.Sum	3.00			-
407d	Cast-in-place, Reinforced Concrete Cylindrical Piles dia 910 to 1200 mm	M	1,325.00			-
107a	Structural Excavation in Common Material	CM	1,472.63			-
401f	Lean Concrete	CM	243.64			-
401a3 (ii)	Concrete Class 'A 3' (ON GROUND)	CM	1,465.26			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	474.04			-
SIW-13	Providing and filling sand behind abutment of bridges	CM	4,161.60			-
407-7(b)	Supply and Fabrication of Permanent Lining	Kg	8,679.51			-
406 c	Elastomeric Bearing Pads & as per approved drawing	Cu.cm	158,400.00			-
401 d ii	Concrete Class 'D 2'	CM	332.29			-
SIW 4 405b	Launching of Girders in place including lifting, handling and temporary works	M	400.00			-
SIW-5	Galvanized Iron Drain Pipe, 75 mm Diameter	Each	104.00			-
401a3 (iii)	Concrete Class 'A 3' (ELEVATED) (Deck Slab, Diaphragm, Walkway and Barrier)	CM	296.06			-
SIW 12 406c	Supply and place in position expansion joint assemblies as specified & as per approved drawing	M	65.10			-
SIW 4 405a	Prestressing High Tensile Steel Including Sheathing, Anchorages, Assemblies, Grouting and Stressing Complete in All Respect	KG	14,165.38			-
SIW-6	PVC Pipe sched. 40 200 mm Dia. for Services	M	560.00			-
Total:						-


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PACKAGE 7 LOT-1						
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	4,604.00			-
107c	Common Backfill	CM	5,363.00			-
401b	Concrete Class B	CM	6,435.00			-
401aii	Concrete Class A1 (ON GROUND)	CM	68.00			-
404 b	Reinforcement as per AASHTO M 31 Grade 60	Ton	10.68			-
507 b	Rock Fill in Gabions	CM	18,270.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	31,500.00			-
401f	Lean Concrete	CM	1,778.00			-
Total:						-



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PACKAGE 7 LOT-1						
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 (ANCLLARY WORKS)

610 c	Kilometer Post	EACH	30.00			-
607 a	Traffic Road Signs Category 1 Size 75 CM	EACH	15.00			-
607 b	Traffic Road Signs Category 2 Size dia 75 CM	EACH	10.00			-
607c	Traffic Road Signs Category 3 (a)	EACH	7.00			-
607 d	Traffic Road Signs Category 3 (b)	EACH	6.00			-
608 h	Pavement Marking in reflective TP paint for line of 15 cm width.	M	78,000.00			-
609 a	Reflectorised Pavement Stud (Flush Surface Type Single)	EACH	6,000.00			-
604 a	Metal Guard Rail	M	5,100.00			-
604 b	Guard Rail End pieces	EACH	90.00			-
604 d	Steel Post for Guard Rail	EACH	1,700.00			-
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	32,620,000.00			32,620,000.00
Total:						32,620,000.00

BILL # 7 (GENERAL ITEMS)

7.1	Provision of Engineering Testing Laboratory Equipment + Purchasing of Vehicles for Resident Engineers, Assistant Resident Engineers and Support Staffs including Registration, POL, Maintenance and Salaries of Drivers, Utility bills	PS	168,409,037.80	1.00		168,409,038
Total:						168,409,038


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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM RECH ROAD DISTRICT CHITRAL (TOTAL LENGTH 12.30KM)(RRD-N-CHT-7)		
PACKAGE 7 LOT-1		
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	13,980,000.00
TOTAL AMOUNT OF CIVIL WORK:		
TOTAL AMOUNT OF CIVIL WORK IN MILLIONS:		

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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM RECH ROAD DISTRICT CHITRAL (TOTAL LENGTH 12.30KM)(RRD-N-CHT-7)						
PACKAGE 7 LOT-I						
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	21,648.00			-
104	Compaction of Natural Ground.	SM	21,648.00			-
108a	Formation of Embankment from Road way excavation in common material	CM	8,868.34			-
108b (ii)	Formation of Embankment from Roadway excavation in Soft Rock Material	CM	5,912.22			-
106a / 106c	Excavate Unsuitable / Surplus Common Material	CM	28,956.42			-
106bi / di	Excavate Unsuitable / Surplus Hard Rock Material	CM	7,239.10			-
106bi / dii	Excavate Unsuitable / Surplus Medium Rock Material	CM	14,478.21			-
106bii / diii	Excavate Unsuitable / Surplus Soft Rock Material	CM	21,717.31			-
109a	Subgrade preparation in Earth Cut	SM	29,766.00			-
Total:						-

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PACKAGE 7 LOT-1						
BILLS OF QUANTITIES						
SHA 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	11,071.00			-
401a2 ii	Concrete Class A2 (ON GROUND)	CM	12,485.00			-
310.2.3	Providing and laying Polythene sheet heavy weight under rigid pavement including overlapping, wastage and cartage etc.complete as per drawing.	SM	60,270.00			-
SIW-15 406a	Premoulded Joint Filler 20 mm Thick with Bitumastic joint seal	M	12,300.00			-
Total:						-

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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM RECH ROAD DISTRICT CHITRAL (TOTAL LENGTH 12.30KM)(RRD-N-CHT-7)					
PACKAGE 7 LOT-1					
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	1,063.00			-
401f	Lean Concrete	CM	271.00			-
401 a3ii	Concrete Class A3 (On ground)	CM	1,388.00			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	174.52			-
507 b	Rock Fill in Gabions	CM	7,395.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	10,200.00			-
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	2,887.00			-
Total:						-



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REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM RECH ROAD DISTRICT CHITRAL (TOTAL LENGTH 12.30KM)(RRD-N-CHT-7)						
PACKAGE 7 LOT-1						
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 BREAST WALL)

107a	Structural Excavation in Common Material	CM	16,433.00			-
107e	Common Backfill	CM	3,916.00			-
401b	Concrete Class B	CM	2,659.00			-
401a1 (ii)	Concrete Class A1 (ON GROUND)	CM	305.00			-
401f	Lean Concrete	CM	3,632.00			-
SIW-8 401h	Plain Concrete (Class 'B' with 40% Boulders/ Rock) as per drawing & Engineer's Instructions	CM	36,952.00			-
Total:						-



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PACKAGE 7 LOT-1					
BILLS OF QUANTITIES					
NHA Specification Item No.	DESCRIPTION	Unit	BOQ		
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words

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.Sum	2.00			-
407d	Cast-in-place, Reinforced Concrete Cylindrical Piles (dia 910 to 1200 mm)	M	650.00			-
107a	Structural Excavation in Common Material,	CM	762.30			-
401f	Lean Concrete	CM	67.31			-
401a3 (ii)	Concrete Class 'A 3' (ON GROUND)	CM	488.32			-
404h	Reinforcement as per AASHTO M 31 Grade 60	Ton	231.30			-
SIW-13	Providing and filling sand behind abutment of bridges	CM	2,774.40			-
406 e	Elastomeric Bearing Pads & as per approved drawing	Cu.cm	158,400.00			-
401 d ii	Concrete Class 'D 2'	CM	196.06			-
SIW 4 405b	Launching of Girders in place including lifting, handling and temporary works	M	200.00			-
SIW-5	Galvanized Iron Drain Pipe, 75 mm Diameter	Each	52.00			-
401a3 (iii)	Concrete Class 'A 3' (ELEVATED) (Deck Slab, Diaphragm, Walkway and Barrier)	CM	218.08			-
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	KG	8,524.80			-
SIW-6	PVC Pipe sched. 40 200 mm Dia. for Services.	M	260.00			-
Total:						-



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PACKAGE 7 LOT-1						
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	4,406.00			-
107c	Common Backfill	CM	2,558.00			-
401b	Concrete Class B	CM	3,131.00			-
401a ii	Concrete Class A1 (ON GROUND)	CM	158.00			-
404 b	Reinforcement as per AASHTO M 31 Grade 60	Ton	16.12			-
507 b	Rock Fill in Gabions	CM	18,270.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	31,500.00			-
401f	Lean Concrete	CM	1,395.00			-
Total:						-



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PACKAGE 7 LOT-1						
BILLS OF QUANTITIES						
NIA Specification Item No.	DESCRIPTION	Unit	BOQ			
			QTY	Unit Rate (Rs) in Figures	Unit Rate (Rs) in Words	Total Amount (Rs) in Figures

BILL # 6 (ANCLLARY WORKS)

610 c	Kilometer Post	EACH	10.00			-
607 a	Traffic Road Signs Category 1 Size 75 CM	EACH	6.00			-
607 b	Traffic Road Signs Category 2 Size dia 75 CM	EACH	3.00			-
607c	Traffic Road Signs Category 3 (a)	EACH	2.00			-
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	21,210.00			-
609 a	Reflectorisrd Pavement Stud (Flush Surface Type Single)	EACH	2,020.00			-
604 a	Metal Guard Rail	M	2,100.00			-
604 b	Guard Rail End pieces	EACH	30.00			-
604 d	Steel Post for Guard Rail	EACH	700.00			-
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	13,980,000.00			13,980,000.00
Total:						13,980,000.00



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

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

TENDER DRAWINGS

N-CHT-6
TIRCH ROAD FROM NISHKO BRIDGE TO
SHAHGROOM TIRCH

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.

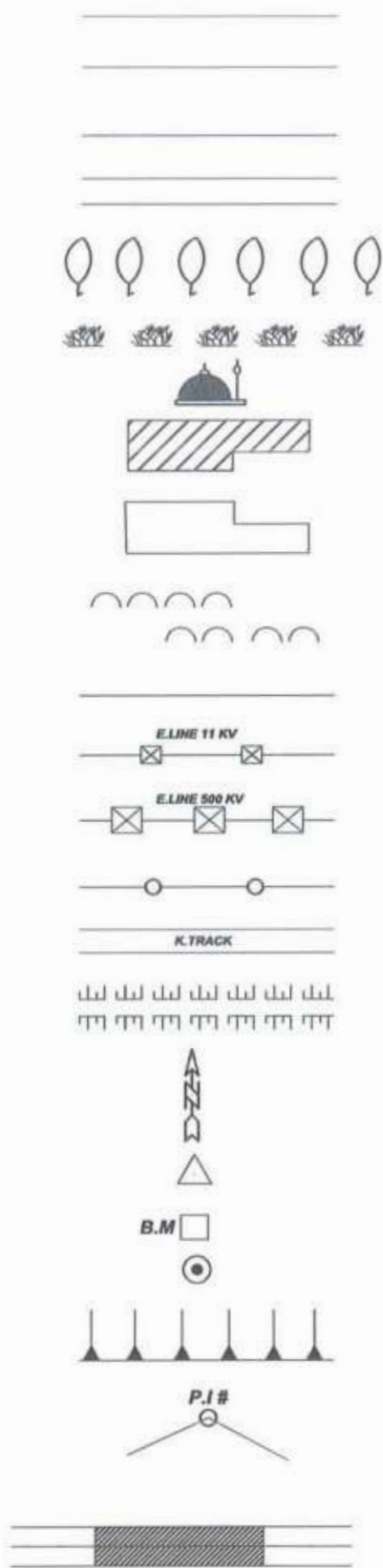
GENERAL & TYPICAL DRAWINGS



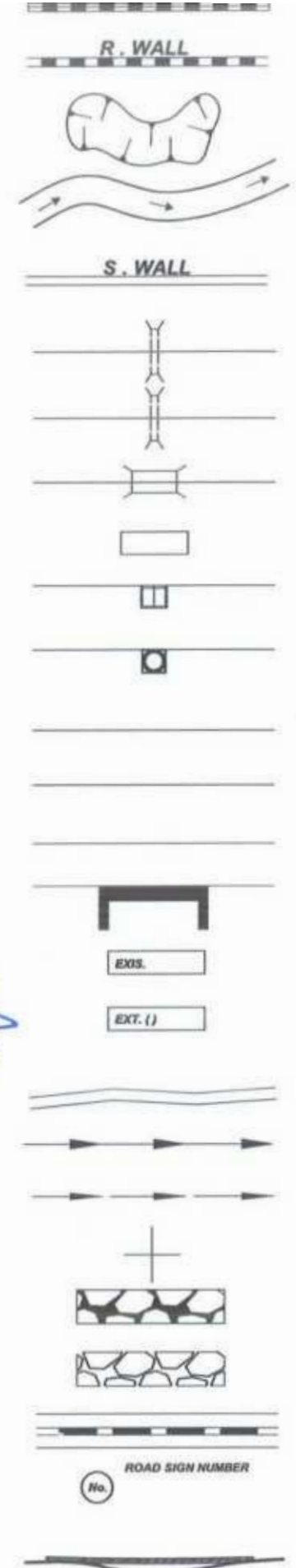
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



DESIGN CENTERLINE
 PROPOSED RIGHT OF WAY
 TOE OF PROPOSED EMBANKMENT
 EXISTING ROAD EDGE
 GARDEN / TREES
 BUSHES
 MOSQUE
 BUILT-UP AREA (BUILDING/HOUSE)
 HUT / MUD HOUSE (KACHA)
 GRAVES / GRAVE YARD
 LIMIT OF AGRICULTURAL FIELDS
 H.T / L.T POWER TRANSMISSION LINE
 500 KV TRANSMISSION LINE
 TELEPHONE / TELEGRAPH LINE
 EXISTING KATCHA TRACK
 DYKE
 NORTH
 TRAVERSE POINT
 BENCH MARK
 TUBE WELL / WELL
 EXISTING EMBANKMENT SLOPE
 POINT OF INTERSECTION
 CAUSEWAY (IN PLAN)



PARAPET WALL
 RETAINING WALL
 DEPRESSION / DITCH / POND
 RIVER / NULLAH
 STONE MASONRY SIDE WALL
 EXISTING/PROPOSED BOX CULVERT (IN PLAN)
 PIPE CULVERT (IN PLAN)
 EXISTING/PROPOSED BRIDGE (IN PLAN)
 BRICK WALL / BOUNDARY WALL
 BOX CULVERT (IN PROFILE)
 PIPE CULVERT (IN PROFILE)
 EXISTING GROUND LEVEL (N.S.L) AT DESIGN CENTRELINE
 FORMATION ROAD LEVEL(F.R.L)
 SUB GRADE LINE (S.G.L) AT DESIGN CENTRELINE
 BRIDGE (IN PROFILE)
 EXISTING CULVERT SIZE
 EXISTING CULVERT EXTENSION TO LEFT (L) RIGHT (R)
 WATER COURSE (EXISTING) (LINED)
 WATER COURSE (UNLINED)
 RELOCATED WATER COURSE
 GRID CORNER
 GROUTED RIPRAP
 LOOSE RIPRAP
 RAILWAY LINE
 ROAD SIGN (IN PLAN)
 CAUSEWAY (IN PROFILE)



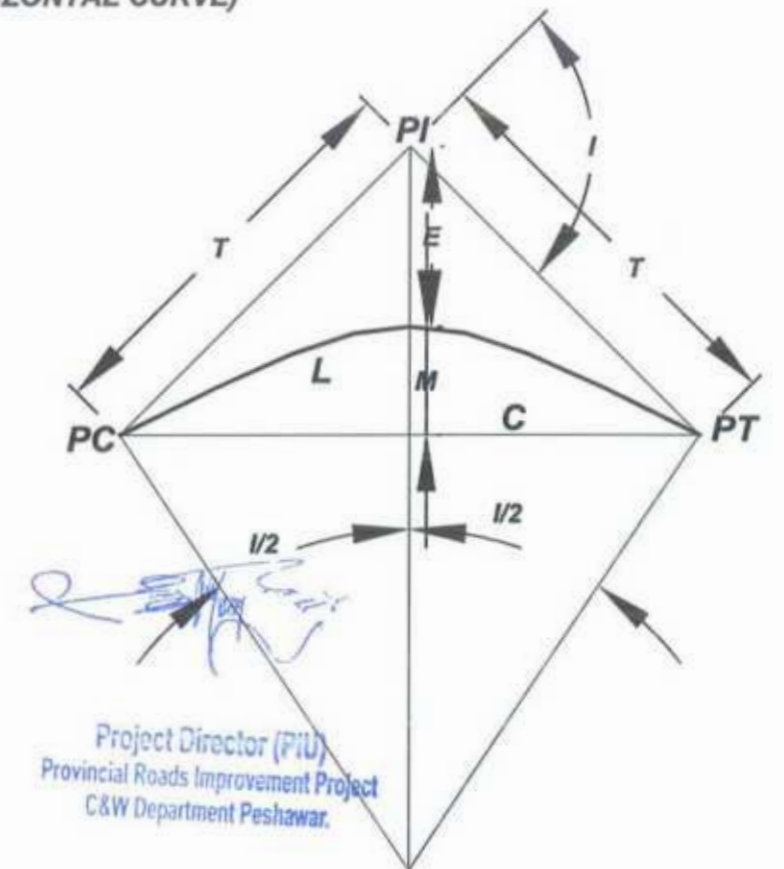
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	FLOOD AFFECTED ROAD		N.T.S
		a			DRAWN	INAM ULLAH					DATE:
		b			CHECKED	S.DURRANI					AUG, 2024.
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/KP-RRDP/RRN-CHT-6/SA-03a						

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 CONCRERE
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



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>	a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	SYMBOLS & ABBREVIATOIN
		b			DRAWN	INAM ULLAH		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	
		c			CHECKED	S.DURRANI	AUG, 2024		
							APPROVED	AOEEL YOUNIS	DWG NO: CEC/KP-RRDP/R/W/N-CHT-6/5A-03b

GENERAL NOTES FOR ROAD CONSTRUCTION

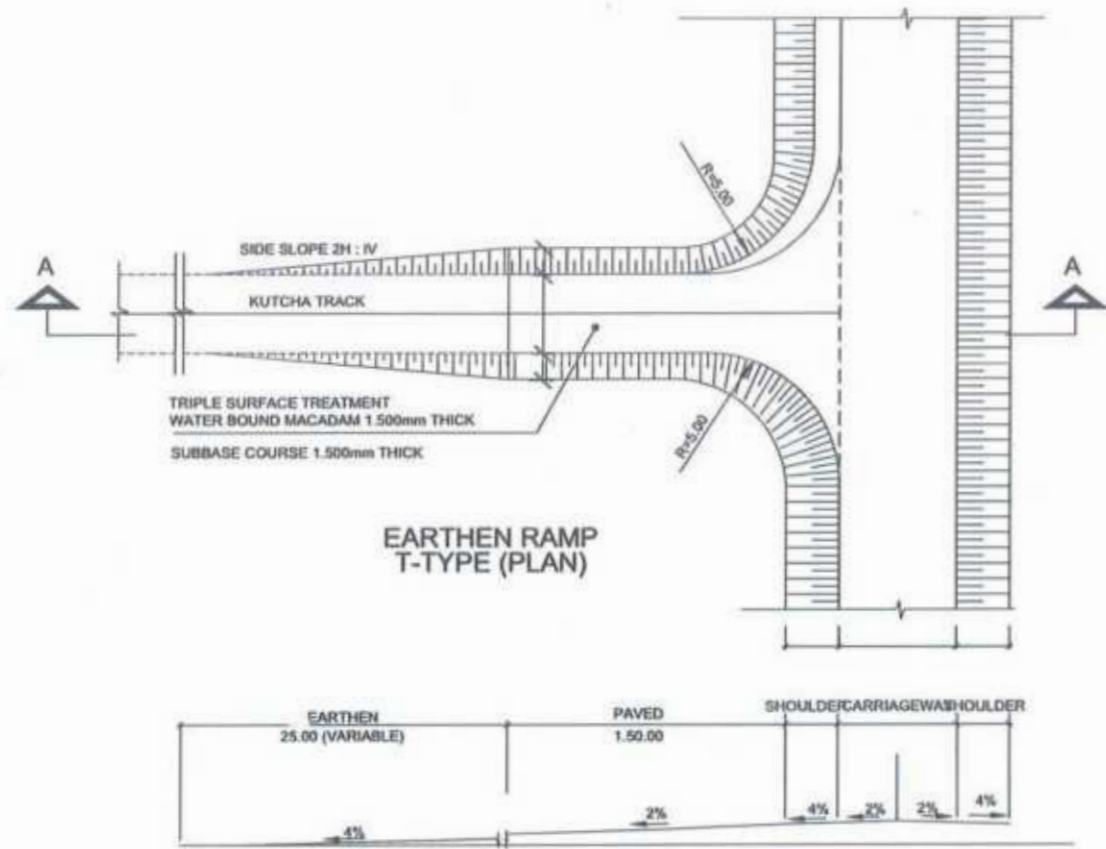
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

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.

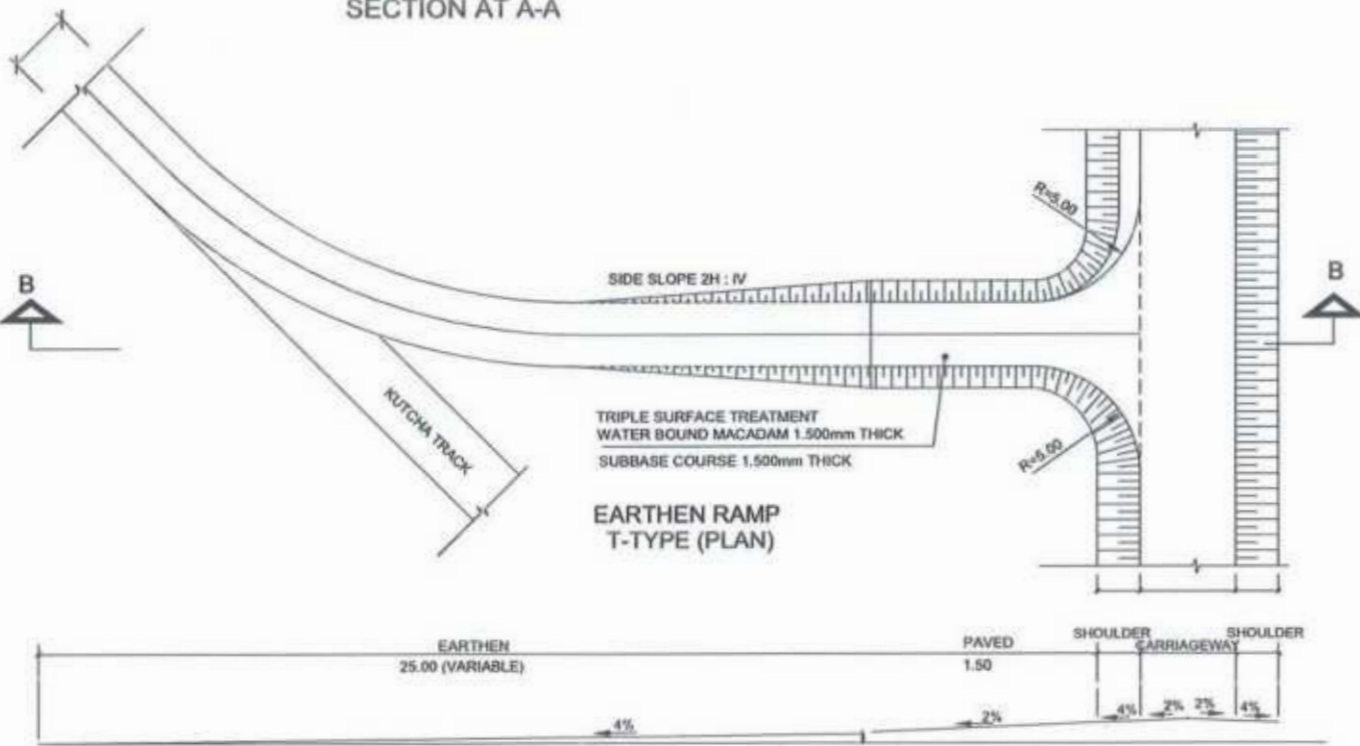


CLIENT:	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	N.T.S	GENERAL NOTES FOR ROAD CONSTRUCTION DWG NO: CEC/KP-RRDP/HWN-CHT-6/01-04
		a			DRAWN INAM ULLAH				
		b			CHECKED S.DURRANI				
		c			APPROVED AQEEL YOUNIS				
							FLOOD AFFECTED ROAD	AUG, 2024	

MINOR JUNCTION DETAIL



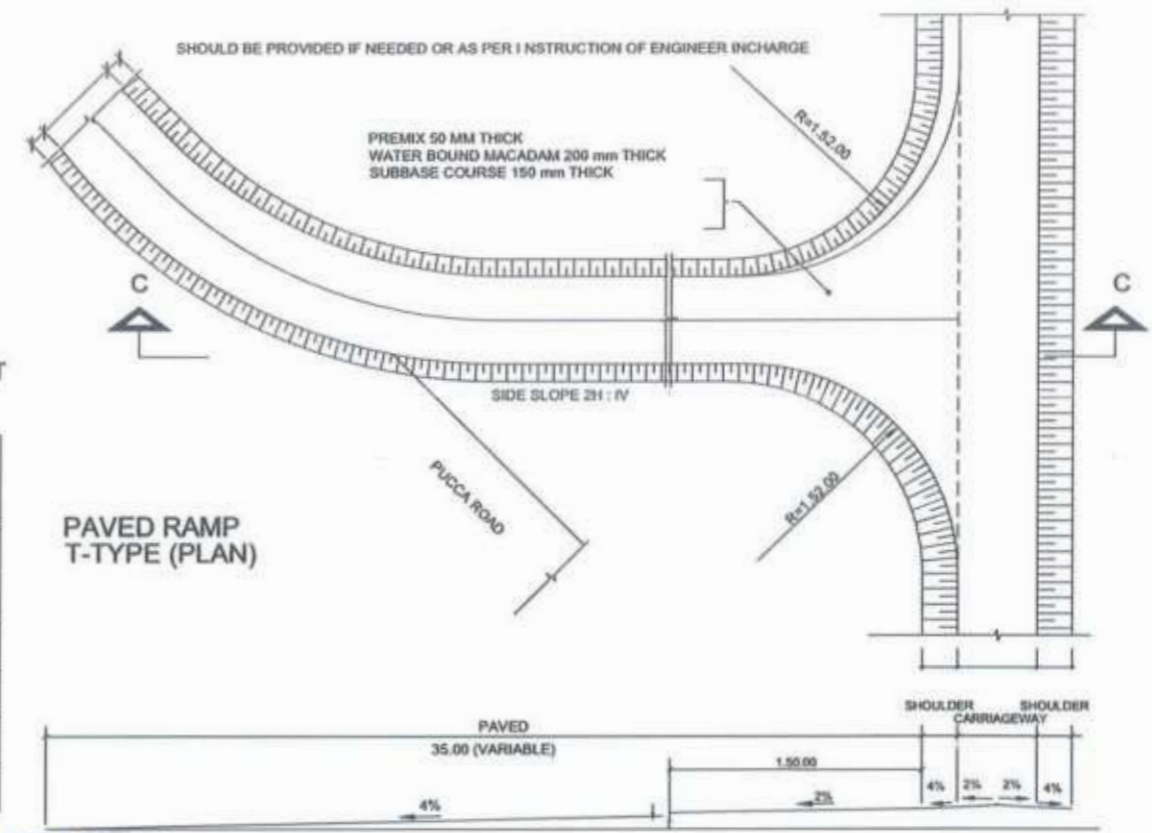
SECTION AT A-A



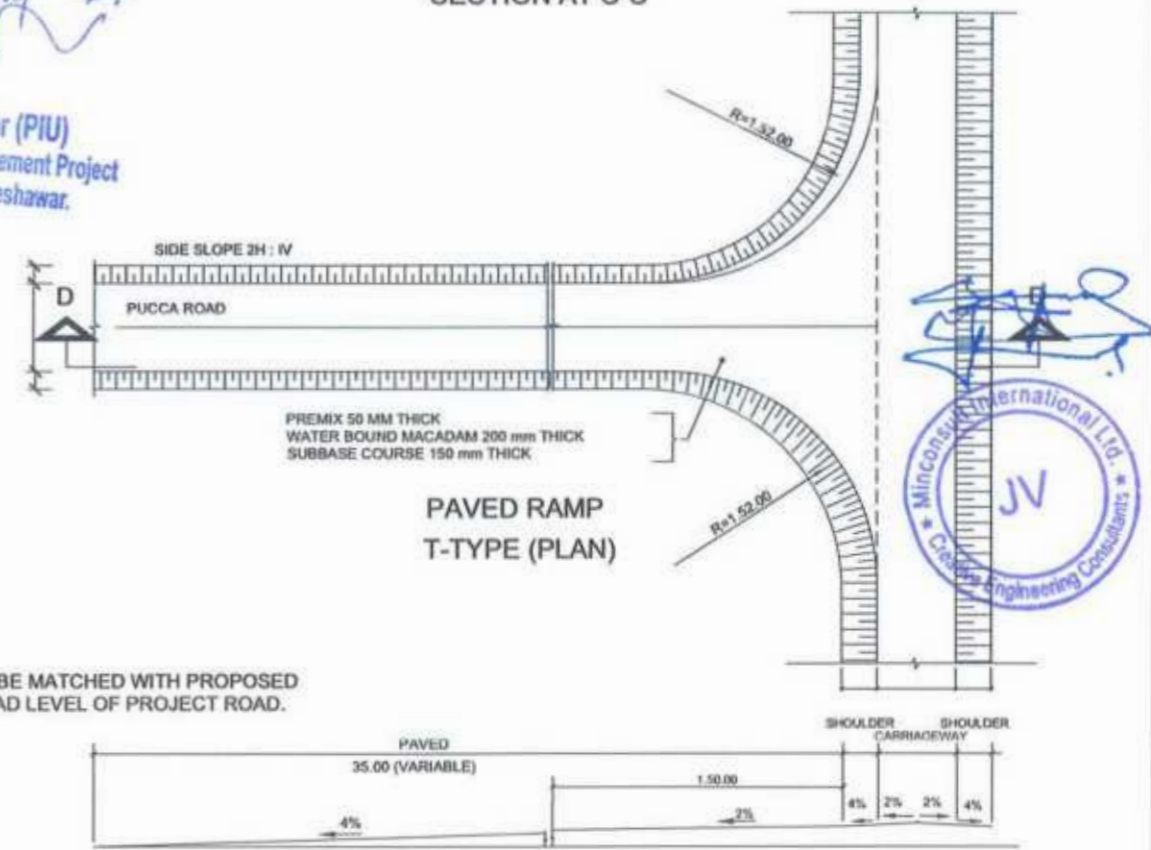
SECTION AT B-B

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	1.58
90	1.52 TO 1.55
>90	VARIABLE



SECTION AT C-C



SECTION AT D-D

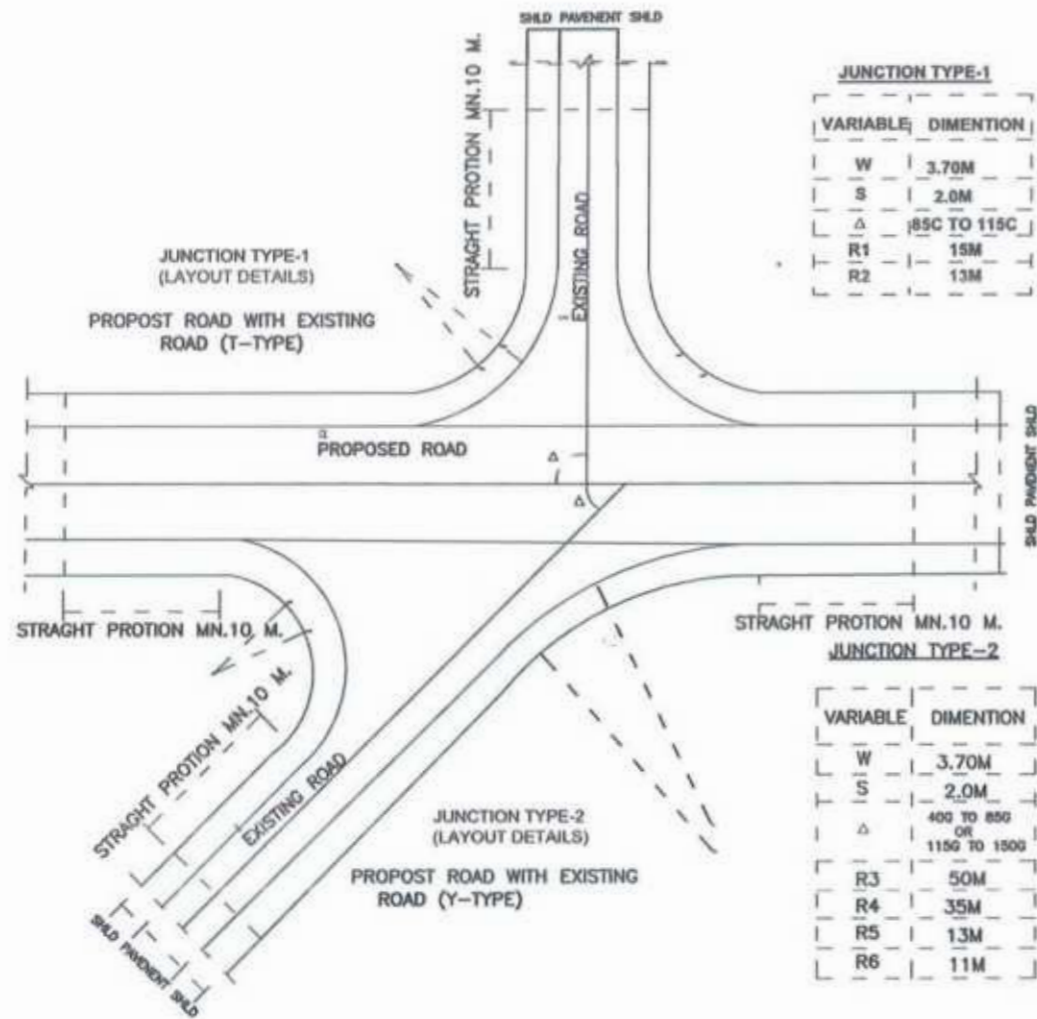
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C&W Department Peshawar.

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



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		a			DRAWN: INAM ULLAH		FLOOD AFFECTED ROAD	DATE:	
		b			CHECKED: S.DURRANI			AUG, 2024	
		c			APPROVED: AQEEL YOUNIS			DWG NO: CEC/KP-RRDP/RRN-CHT-6/ MJJ-05a	

MINOR JUNCTION DETAIL



JUNCTION TYPE-1

VARIABLE	DIMENTION
W	3.70M
S	2.0M
Δ	85C TO 115C
R1	15M
R2	13M

JUNCTION TYPE-2

VARIABLE	DIMENTION
W	3.70M
S	2.0M
Δ	400 TO 850 OR 1150 TO 1500
R3	50M
R4	35M
R5	13M
R6	11M

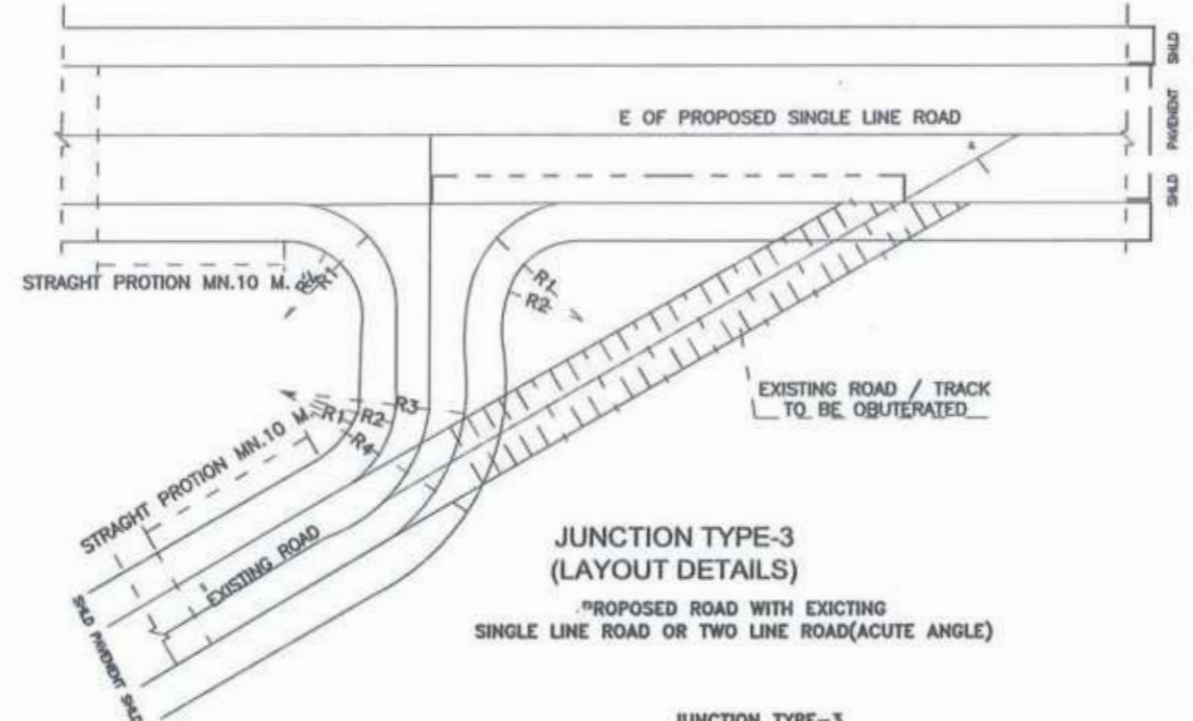
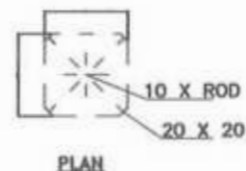
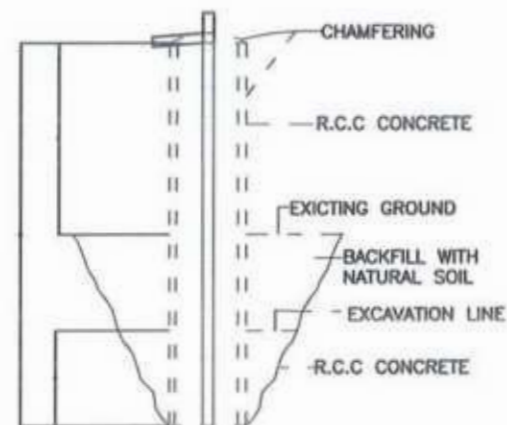
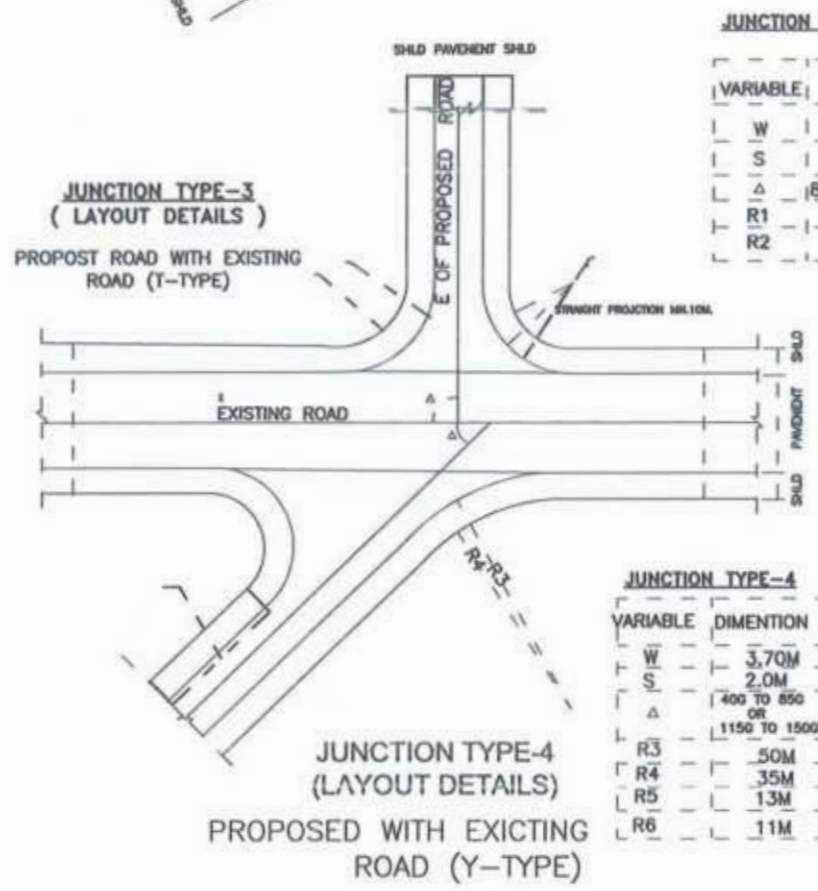


TABLE NO.5 APPLICABLE WHEN
1 <500 OR >1500
(JUNCTION WITH 2 LINE ROAD)
(2) 400 OR 1800
(JUNCTION WITH SINGLE ROAD)

JUNCTION TYPE-3

VARIABLE	DIMENTION FOR JUSTIFICATION SINGLE LINE ROAD
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
Δ	85C TO 115C
R1	15M
R2	13M

JUNCTION TYPE-4

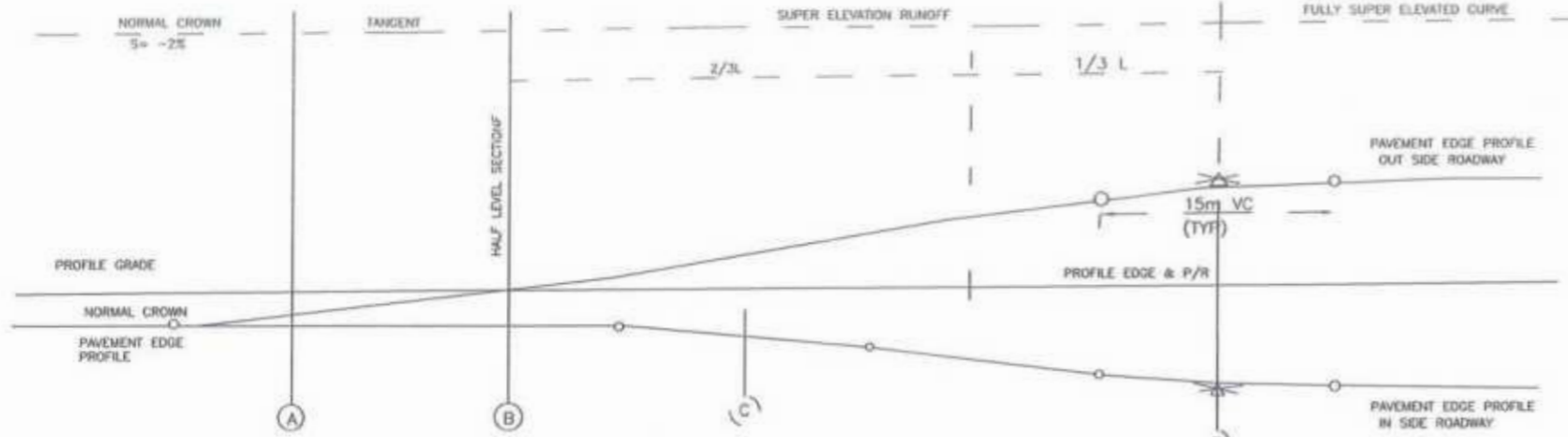
VARIABLE	DIMENTION
W	3.70M
S	2.0M
Δ	400 TO 850 OR 1150 TO 1500
R3	50M
R4	35M
R5	13M
R6	11M

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

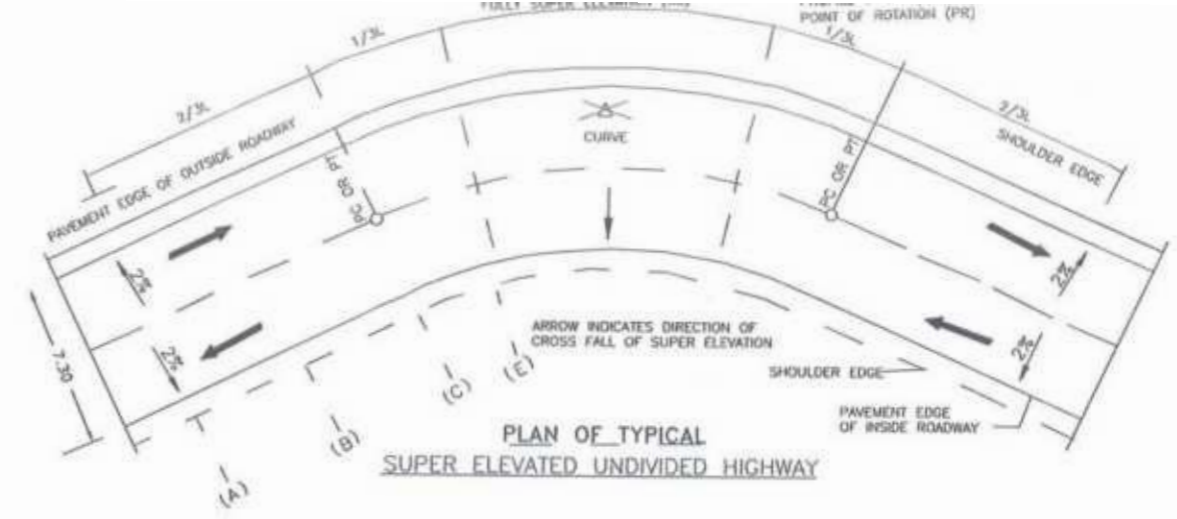


- NOTES :**
- EXISTING ROAD TO BE DISMANTLED WHERE IT MEETS PROPOSED ROAD AT THE JUNCTION LOCATION ONLY AND WILL BE RECONSTRUCTED ACCORDING TO JUNCTION DETAIL AND LIMITS.
 - ON JUNCTION MIN. 10 METER STRAIGHT PORTION SHOULD BE PROVIDED.
 - RAD# SHOWN ARE TYPICAL AND MAY BE ADJUSTED AS PER SITE CONDITIONS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

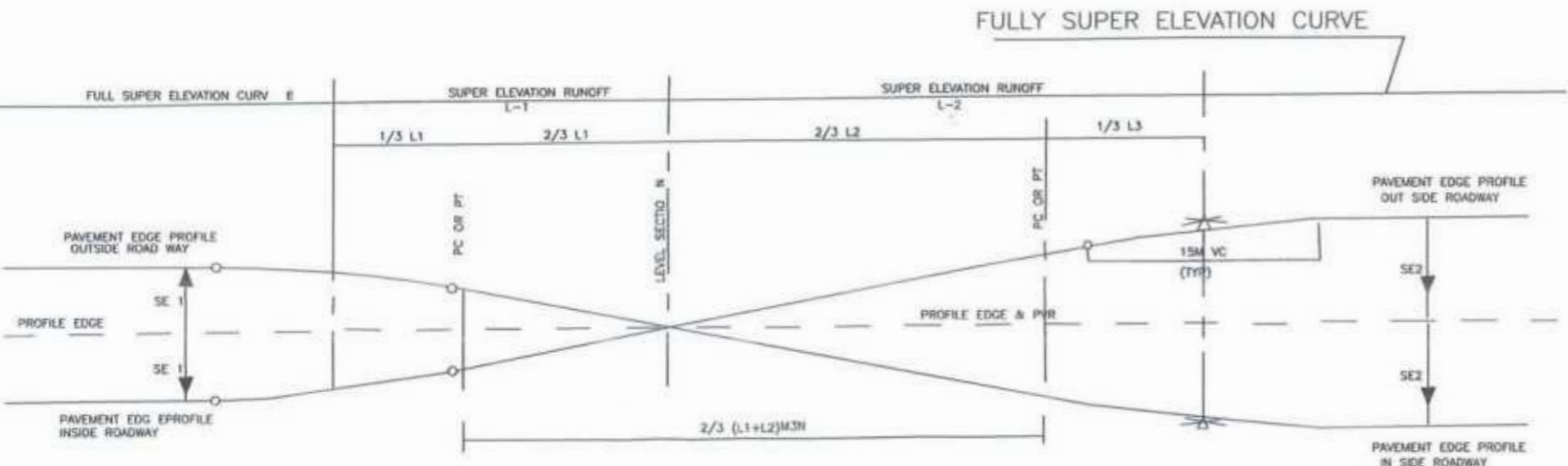
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AGEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	N.T.S DATE: AUG, 2024	MINOR JUNCTION DETAILS DWG NO: CEC/KP-RRDP/RWN-CHT-6/ MJD-056



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

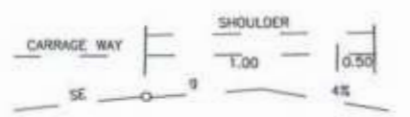
RADIUS	40 KPH		60 KPH	
	SE (m/m)	L (m/m)	SE (m/m)	L (m/m)
950				
900				
850	NC			
800	NC			
750	RC			
700	RC			
650	RC			
600	RC			
550	0.020	10	NC	
500	0.021	10	NC	
460	0.022	11	RC	
400	0.023	12	RC	
350	0.027	15	RC	
300	0.030	15	0.020	10
250	0.033	17	0.023	12
200	0.036	19	0.027	13
100	0.047	25	0.037	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

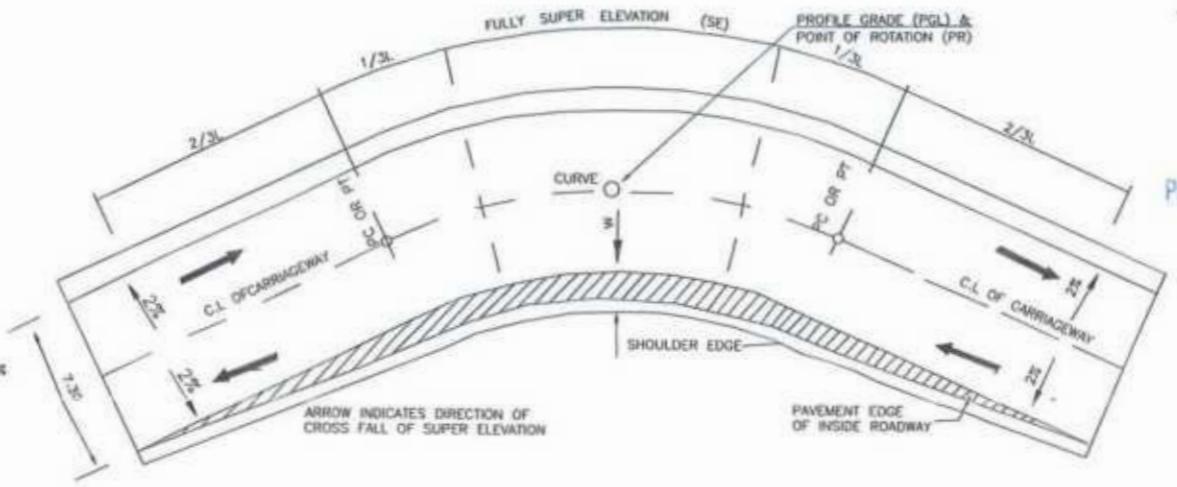
RADIUS (M)	SE (m/m)	L(M)	W(M)
15.00	0.06	32.00	1.20
20.00	0.060	32.00	1.20
25.00	0.060	32.00	1.20
10.00	0.060	32.00	1.20
35.00	0.060	32.00	1.20
40.00	0.060	32.00	1.20
45.00	0.060	32.00	1.20
15.00	0.060	32.00	1.20
55.00	0.060	32.00	1.20
60.00	0.060	32.00	1.20
70.00	0.060	32.00	1.20

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	-	-	-

SHOULDER	CARRIAGEWAY		SHOULDER
2.00	3.65	3.65	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%	-2%
+2%	+6%	-6%	-4%



1. ROLL OVER ALGEBRAIC DIFFERENCE SE AND NORMAL SHOULDER SLOPE $1 \leq 4\%$ AT PAVEMENT EDGE NOT TO BE EXCEED 6%
2. WHERE THE DIFFERENCE EXCEED 6% THE ABOVE CROWNING OF SHOULDERS SHOULD BE USED WITH $q = (6 - SE)\%$

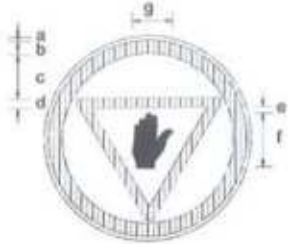


ROAD WIDENING AND SUPER ELEVATED UNDIVIDED HIGHWAY

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

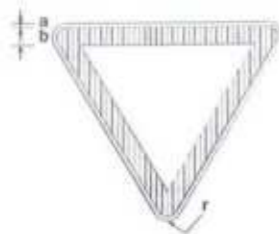


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								DATE: AUG, 2024	DWG NO: CEC/KP-RRDP/RRN-CHT-5/SE-06



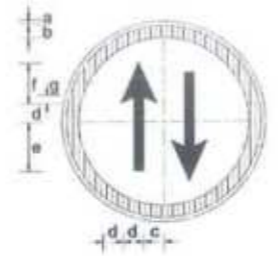
STOP SIGN
R-1
DIMENSIONS (cm)

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



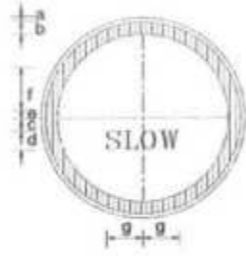
GIVE WAY SIGN
R-2
DIMENSIONS (cm)

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



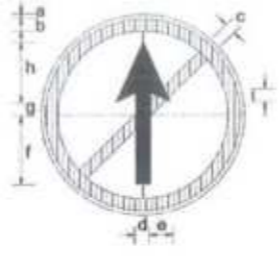
PRIORITY ROAD SIGN
R-3
DIMENSIONS (cm)

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



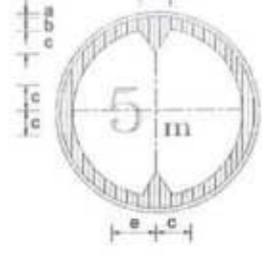
SLOW SIGN
R-4
DIMENSIONS (cm)

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



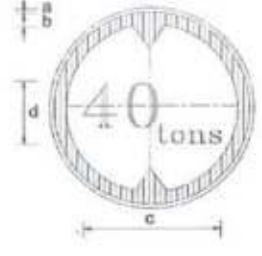
NO ENTRY SIGN
R-6
DIMENSIONS (cm)

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



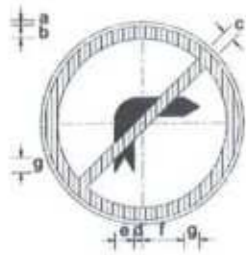
HEIGHT LIMIT SIGN
R-18
DIMENSIONS (cm)

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



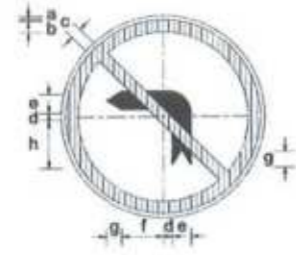
GROSS WEIGHT LIMIT SIGN
R-18
DIMENSIONS (cm)

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



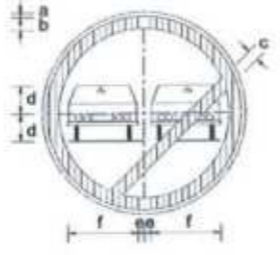
NO RIGHT TURN SIGN
R-20
DIMENSIONS (cm)

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



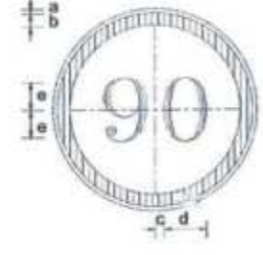
NO LEFT TURN SIGN
R-21
DIMENSIONS (cm)

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



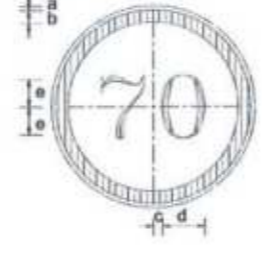
OVERTAKING PROHIBITED SIGN
R-23
DIMENSIONS (cm)

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



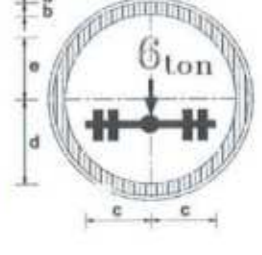
SPEED LIMIT SIGN
R-25-2
DIMENSIONS (cm)

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



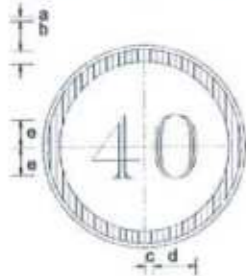
SPEED LIMIT SIGN
R-25-3
DIMENSIONS (cm)

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



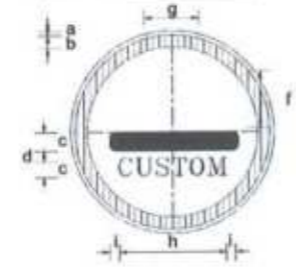
SPEED LIMIT SIGN
R-25-4
DIMENSIONS (cm)

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



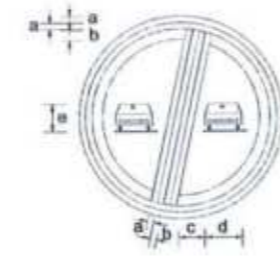
POLICE CHECK POST SIGN
R-2
DIMENSIONS (cm)

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



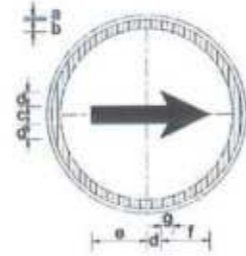
CUSTOM CHECK SIGN
R-28
DIMENSIONS (cm)

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



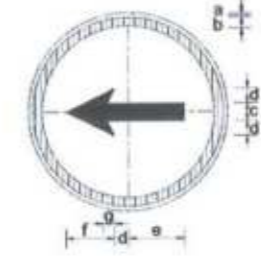
END OF OVERTAKING RESTRICTION SIGN
R-31
DIMENSIONS (cm)

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



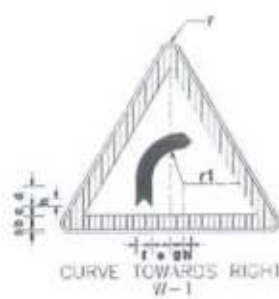
TURN LEFT SIGN
R-35
DIMENSIONS (cm)

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



- 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 Sheatings In Accordance With The Relevant Clause In The Specification.
 - 5 - Sign Legends Shall Be Approved By Engineer And Client.

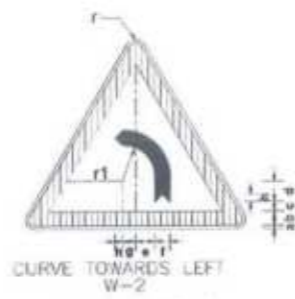
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AOEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S DATE: AUG, 2024	TRAFFIC SIGNS DETAILS DWG NO: CEC/KP-RRDP/HWN-CHT-6/ TSD-07a



CURVE TOWARDS RIGHT
W-1

DIMENSIONS (cm)

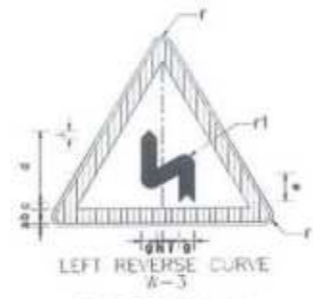
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



CURVE TOWARDS LEFT
W-2

DIMENSIONS (cm)

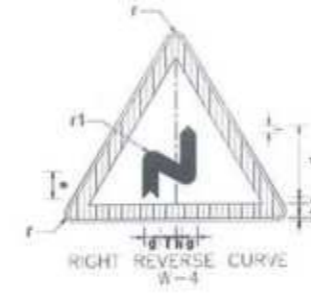
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



LEFT REVERSE CURVE
W-3

DIMENSIONS (cm)

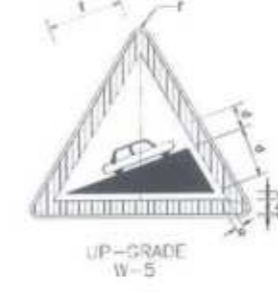
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	33.0	38.5
e	14.0	16.3
f	8.0	9.3
g	7.0	8.2
h	2.0	2.3
i	3.5	4.1
r1	4.5	5.2



RIGHT REVERSE CURVE
W-4

DIMENSIONS (cm)

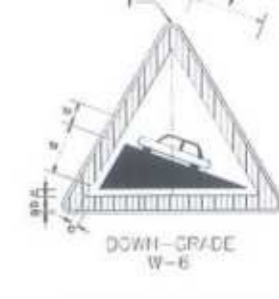
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	33.0	38.5
e	14.0	16.3
f	8.0	9.3
g	7.0	8.2
h	2.0	2.3
i	3.5	4.1
r1	4.5	5.2



UP-GRADE
W-5

DIMENSIONS (cm)

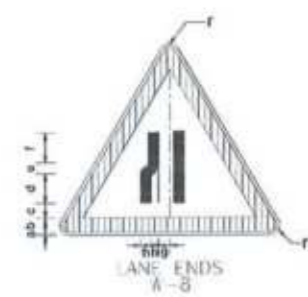
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5



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)

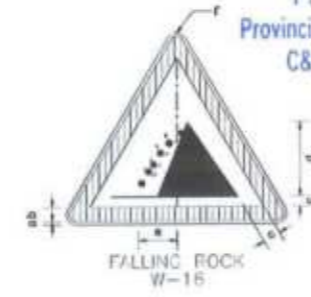
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	10.0	11.7
e	14.0	16.3
f	2.5	2.9
g	5.0	5.8



HUMP SIGN
W-12

DIMENSIONS (cm)

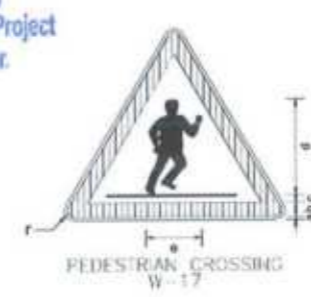
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	7.0	8.2
e	32.0	37.3



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)

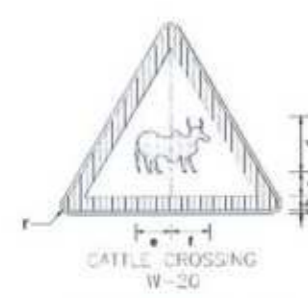
PARTS	SIGN SIZE	
	90cm	105cm
r	2.9	3.5
a	0.8	1.0
b	5.4	6.5
c	2.1	2.5
d	35.8	43.0
e	19.2	23.0



CHILDREN CROSSING
W-18

DIMENSIONS (cm)

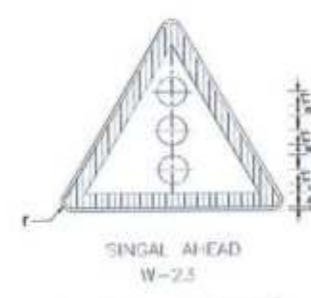
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.5	5.3
d	28.5	33.7
e	37.5	43.8



CATTLE CROSSING
W-20

DIMENSIONS (cm)

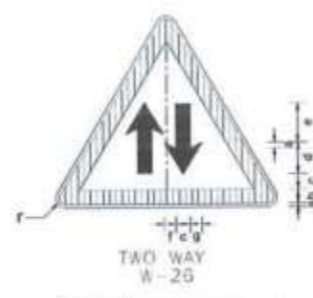
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.0	2.3
d	22.0	26.7
e	18.5	21.6
f	17.5	20.4



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

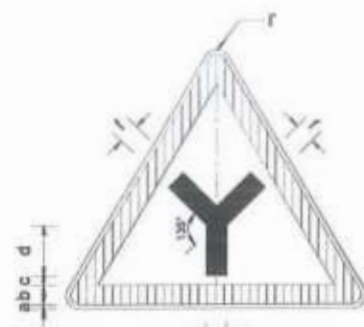
DIMENSIONS (cm)

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.

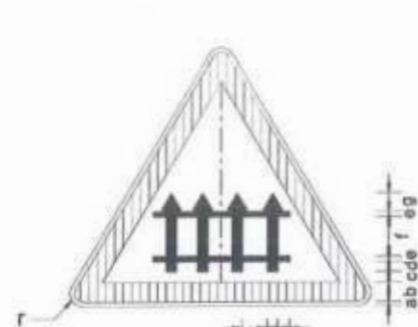


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		c	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	TRAFFIC SIGNS DETAILS
		d			DRAWN	INAM ULLAH				
		b			CHECKED	S.DURRANI				
c			APPROVED	AQEEL YOUNIS						
							FLOOD AFFECTED ROAD	AUG, 2024.	DWG NO: CEC/KP-RRDP/NW/N-CHT-6/TSI-076	



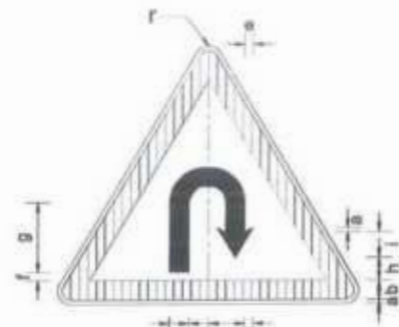
JUNCTION SIGN
W-31

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



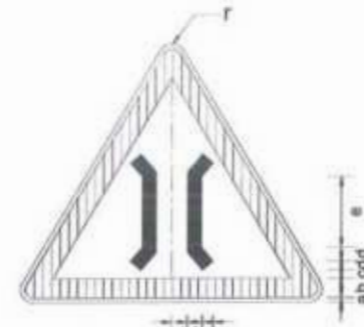
LEVEL CROSSING
WITH GATES
W-33

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



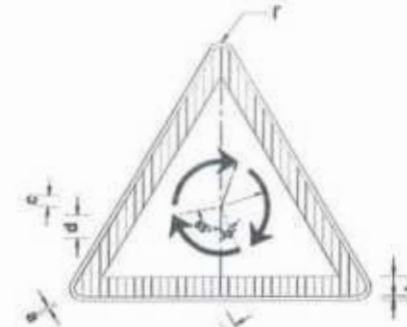
U-TURN
W-34

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



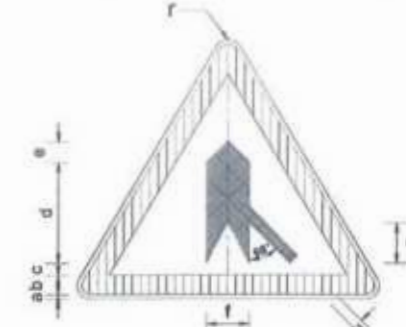
NARROW BRIDGE
W-35

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

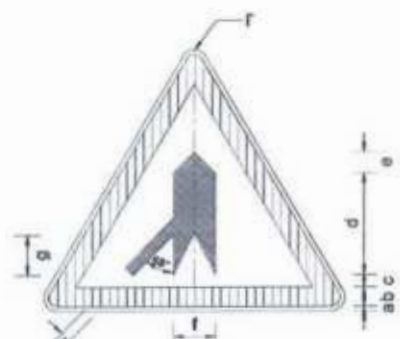
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	9.0	10.5
R1	12.0	14.0
R2	16.0	18.7



MERGE SIGN
W-37

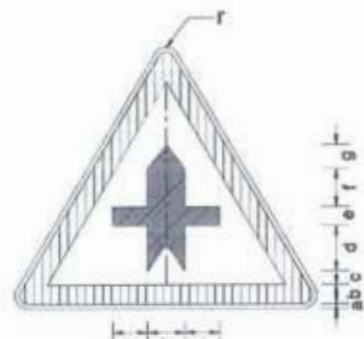
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4

Handwritten signature



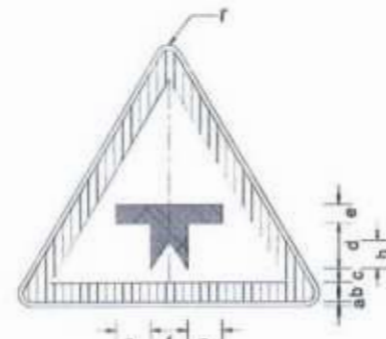
MERGE SIGN
W-37A

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



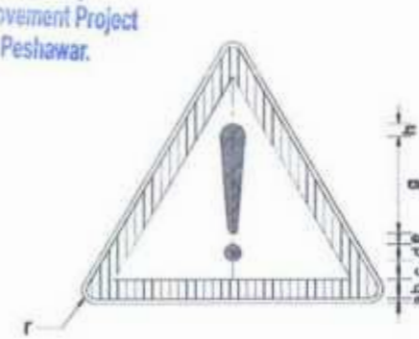
MAJOR ROAD AHEAD
W-39

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

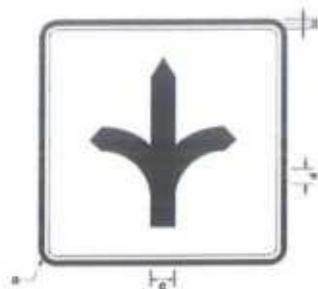
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
d	10.0	11.7
e	2.0	2.3
f	1.7	2.0
g	25.0	29.2
h	5.0	5.8

Project Director (PIU)
Provincial 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:
		1	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT DRAWN: IRAM ULLAH CHECKED: S.DURRANI APPROVED: ADEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S AUG, 2024	TRAFFIC SIGNS DETAILS

DWG NO: CEC/KP-RRDP/PIU/N-CHT-6/TSD-07c



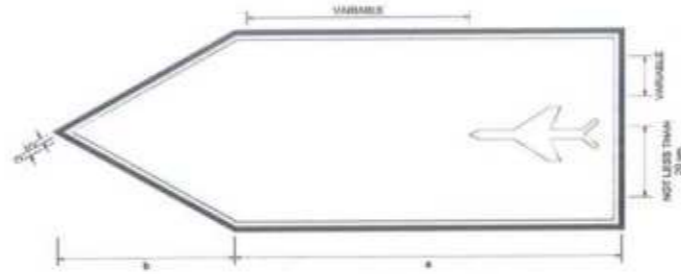
DESTINATION SIGN
1-1

SIGN SIZE	
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a	4.5 / 6.0
b	1.8 / 2.4
c	12.0 / 16.0
d	22.5 / 30.0



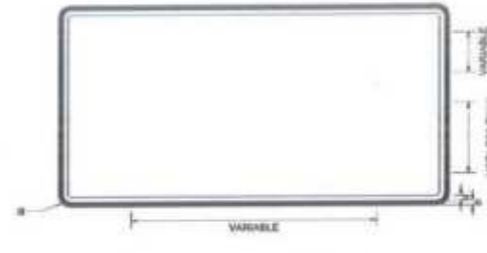
DIRECTION SIGN
1-3

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
1-4

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



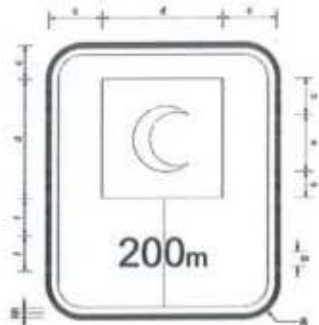
BEGINNING OF MUNICIPAL LIMIT
1-5

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



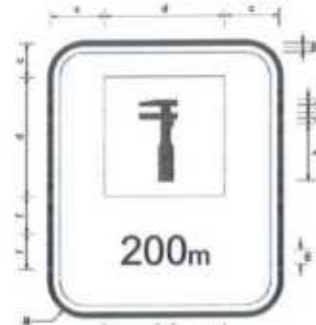
END OF MUNICIPAL LIMIT
1-6

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



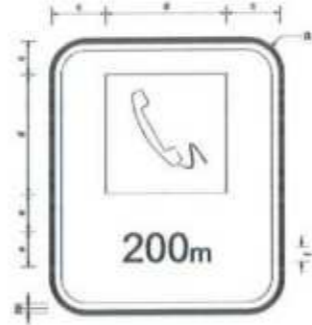
FIRST AID STATION
1-9

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



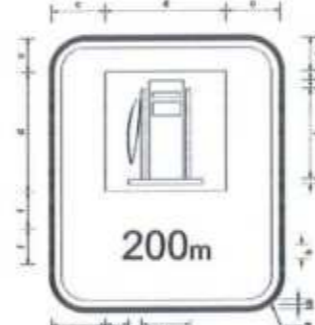
AUTO REPAIR SHOP
1-10

SIGN SIZE	
120 x 180	
a	6.0
b	2.4
c	20.0
d	40.0
e	33.0
f	15.0
g	25.0
h	5.0
i	11.0
j	7.0
k	44.0
l	26.0
m	14.0



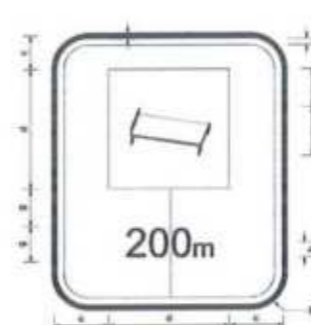
PHONE SERVICE
1-11

SIGN SIZE	
120 x 180	
a	6.0
b	2.4
c	20.0
d	40.0
e	25.0
f	14.0



PETROL PUMP
1-12

SIGN SIZE	
120 x 180	
a	6.0
b	2.4
c	20.0
d	40.0
e	4.0
f	60.0
g	8.0
h	12.0
i	17.0
j	28.0
k	14.0



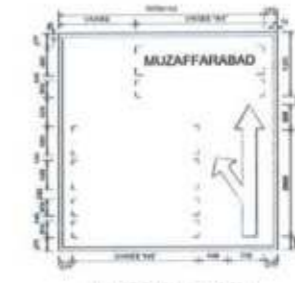
HOTEL / MOTEL
1-13

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	18.0 / 25.0
f	24.0 / 32.0
g	19.5 / 26.0
h	10.5 / 14.0



RESTAURANT
1-14

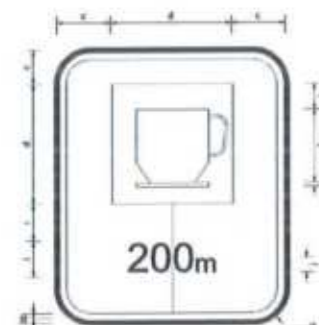
SIGN SIZE	
90 x 135 / 120 x 180	
a	4.5 / 6.0
b	1.8 / 2.4
c	15.0 / 20.0
d	60.0 / 80.0
e	60.0 / 80.0
f	12.0 / 16.0
g	36.0 / 48.0
h	19.5 / 26.0
i	10.5 / 14.0



JUNCTION SIGN
(250+ 300M OF JUNCTION)



DESTINATION SIGN
(250+ 300M OF JUNCTION)



CAFETERIA
1-15

SIGN SIZE	
120 x 180	
a	6.0
b	2.4
c	20.0
d	40.0
e	16.0
f	34.0
g	8.0
h	64.0
i	28.0
j	14.0



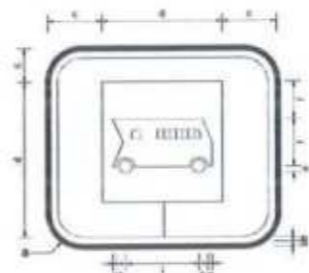
PICNIC SITE
1-16

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	8.0 / 8.0
i	48.0 / 64.0
j	19.5 / 26.0
k	16.5 / 14.0



HOSPITAL SIGN
1-22

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



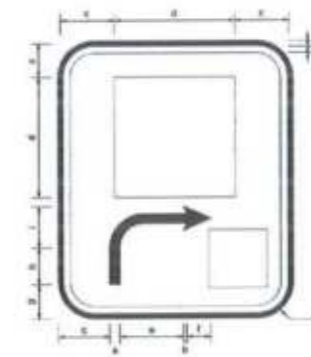
BUS STOP
1-25

SIGN SIZE	
120 x 120	
a	6.0
b	2.4
c	20.0
d	40.0
e	8.0
f	26.0
g	4.0
h	12.0
i	48.0



PARKING
1-26

SIGN SIZE	
120 x 120	
a	6.0
b	2.4
c	30.0
d	15.0
e	34.0
f	20.0
g	40.0



GENERAL INFORMATION
1-27

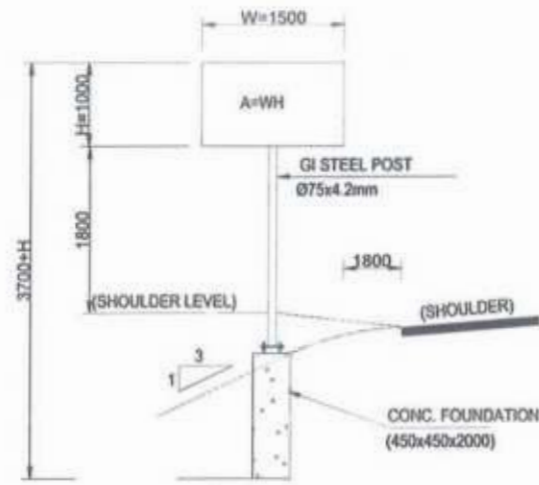
SIGN SIZE	
90 x 135 / 120 x 180	
a	4.5 / 6.0
b	1.8 / 2.4
c	15.0 / 20.0
d	60.0 / 80.0
e	12.0 / 16.0
f	20.3 / 27.0
g	10.5 / 14.0
h	28.5 / 38.0
i	19.0 / 24.0



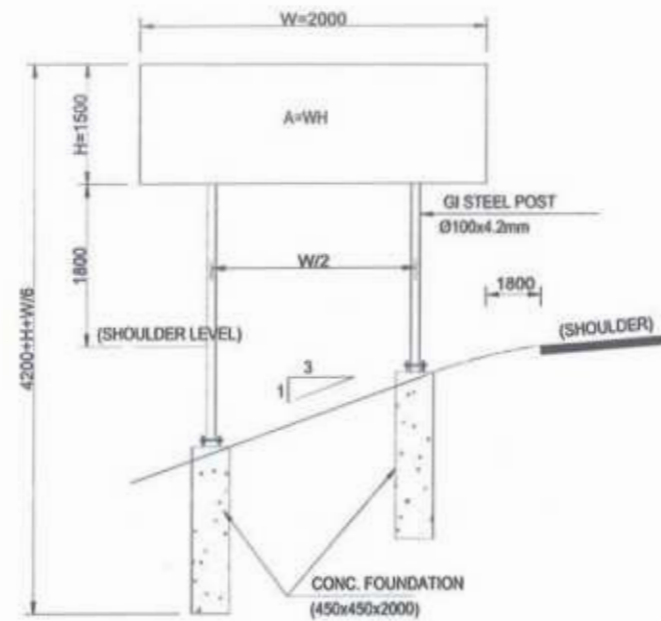
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Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

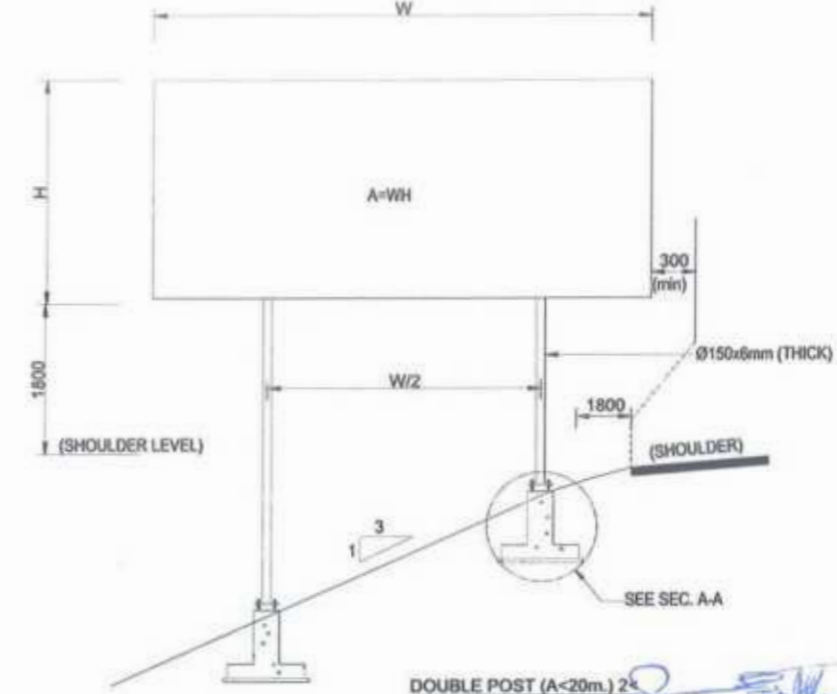
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S DATE: AUG, 2024	TRAFFIC SIGNS DETAILS DWG NO. CEC/RRDP/PIU/N-CHT-6/TSD-074



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

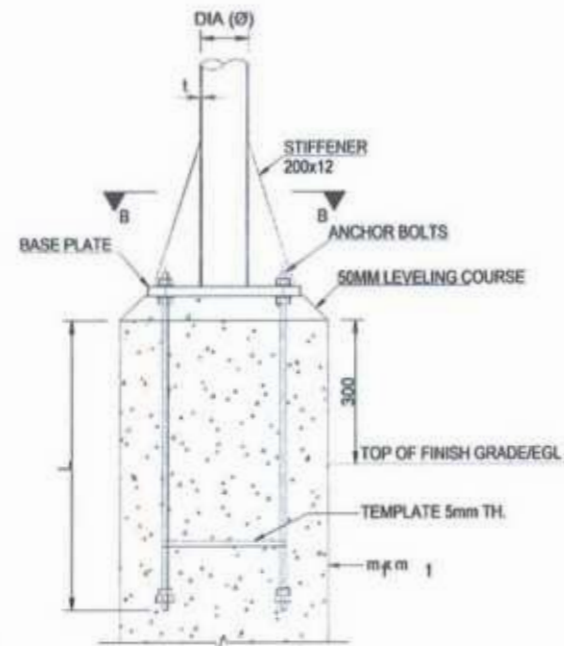


DOUBLE POST (A<3m.)
2 <FOUNDATION TYPE-2

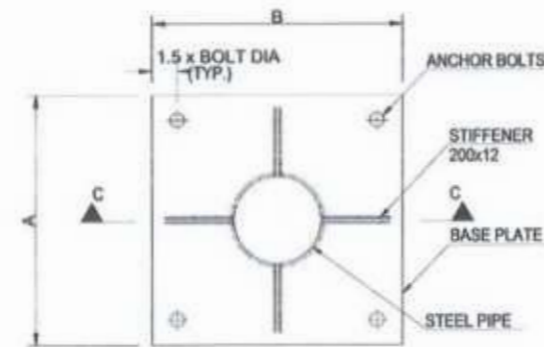


DOUBLE POST (A<20m.) 2<
FOUNDATION TYPE-3

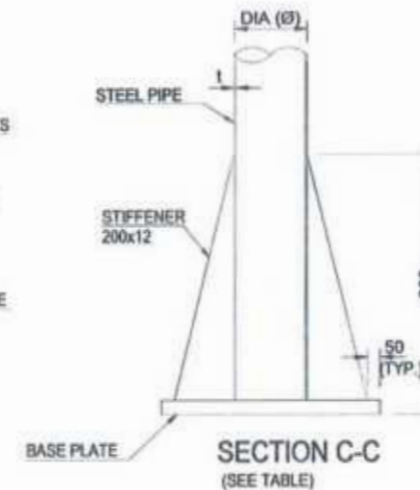
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



BASE PLATE &
ANCHORAGE ELEVATION



SECTION B-B
(SEE TABLE)



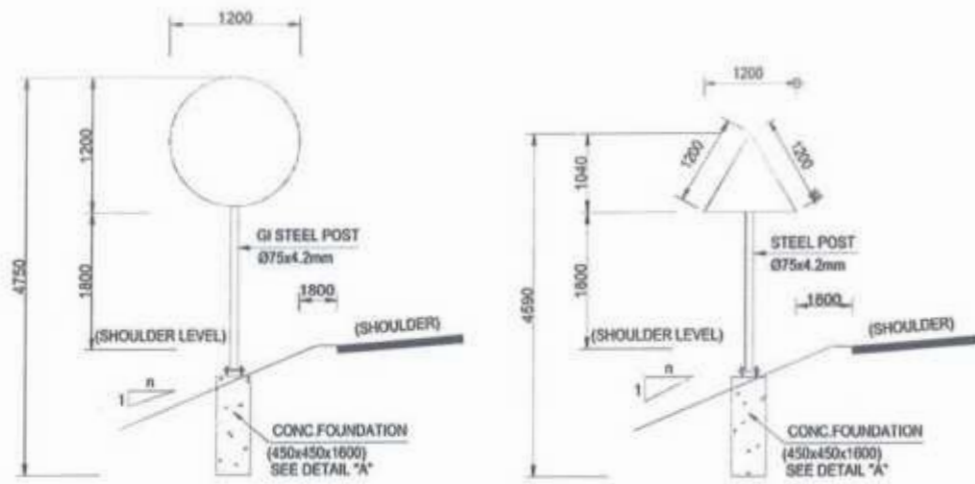
SECTION C-C
(SEE TABLE)

NOTES:-

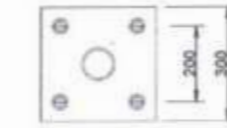
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. FABRICATION GALVANIZING AND ERECTION TO BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
3. AFTER FABRICATION AND BEFORE GALVANIZING THE TRIAL ASSEMBLY OF COMPLETE STRUCTURE SHALL BE DONE.
4. ALL COMPONENTS TO BE HOT DIP GALVANIZED IN ACCORDANCE 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.



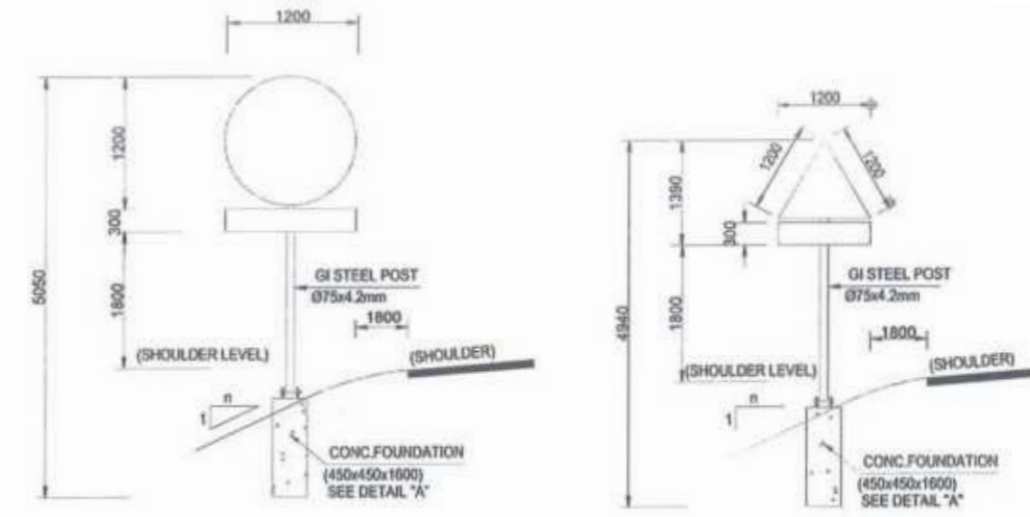
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS
		1			DRAWN	INAM ULLAH		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	
		2			CHECKED	S.DURRANI	AUG, 2024		DWG NO. CEC/KP-RRDP/WHN-C/11-G/ TSD-07e
		3			APPROVED	AQEEL YOUNIS			



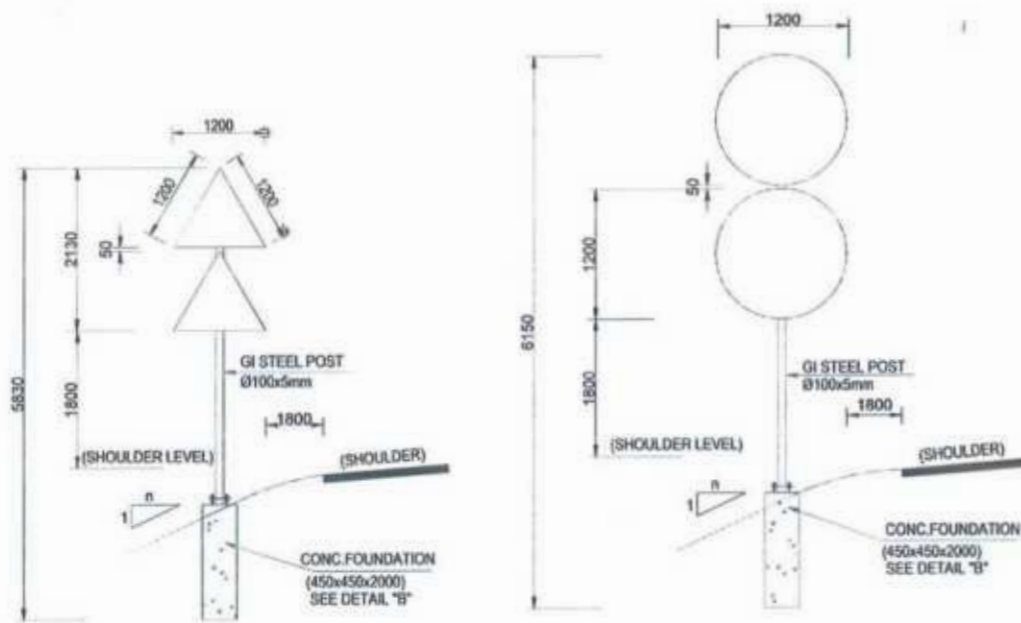
SINGLE SIGNS
FOUNDATION TYPE-1



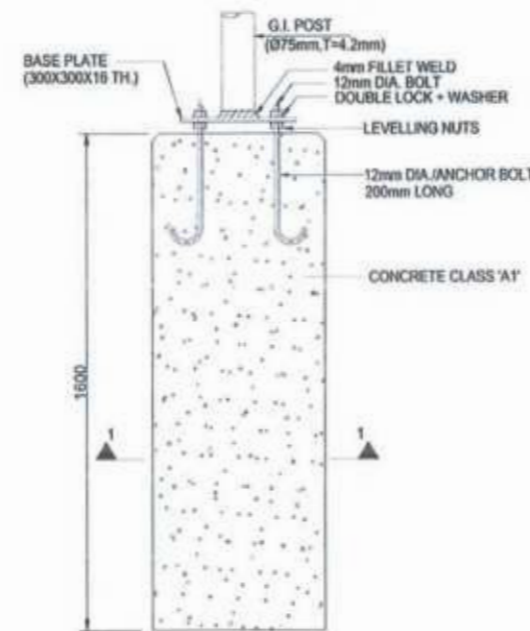
TYPICAL PLAN



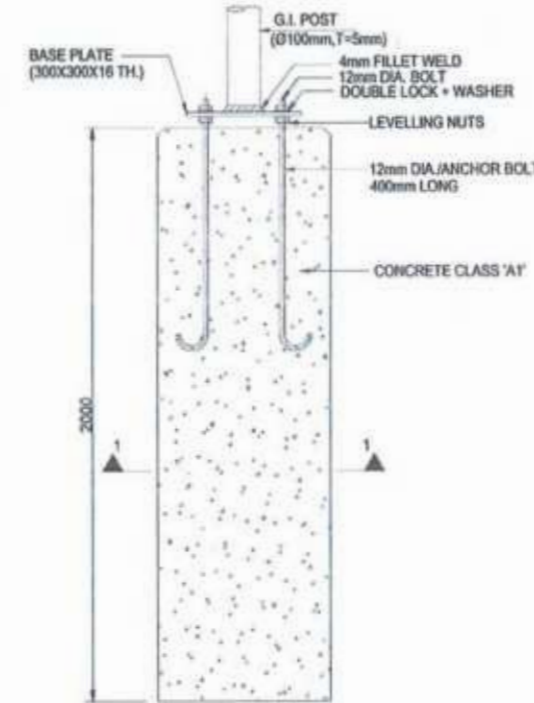
SINGLE SIGNS WITH ADDITIONAL PLATE
FOUNDATION TYPE-1



DOUBLE SIGNS
FOUNDATION TYPE-2



DETAIL 'A'
CONCRETE FOUNDATION
(TYPE-1)



DETAIL 'B'
CONCRETE FOUNDATION
(TYPE-2)

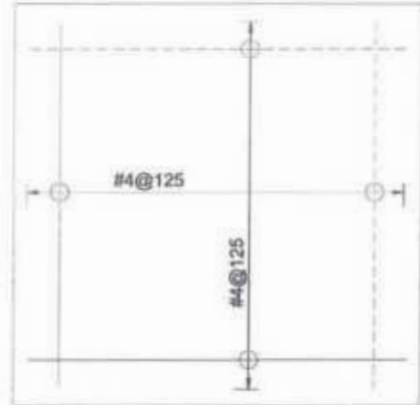
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Peshawar.



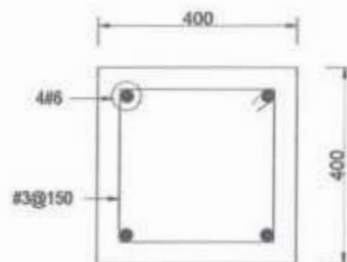
NOTE:-

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

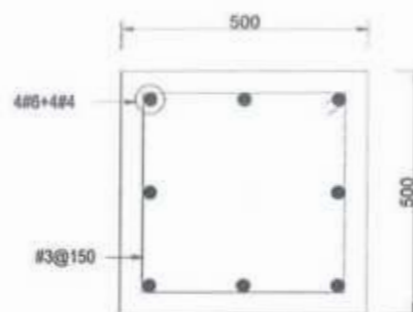
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	i	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS	
		ii			DRAWN	IRAM ULLAH		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		FLOOD AFFECTED ROAD
		b			CHECKED	S.DURRANI	AUG, 2024			
		c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/RP/RRDP/HW/N-CHT-6/TSD-071			



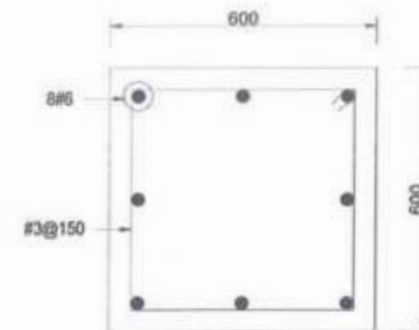
FOUNDATION PLAN (SEE TABLE)



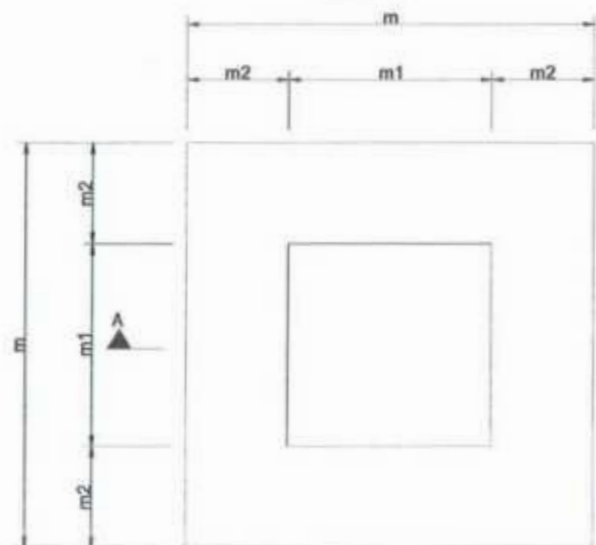
SECTION 1-1



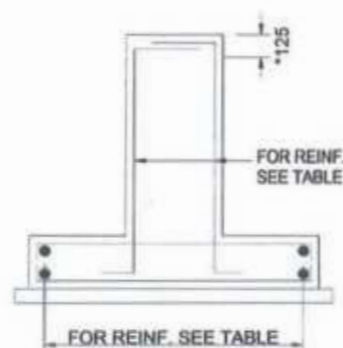
SECTION 2-2



SECTION 3-3

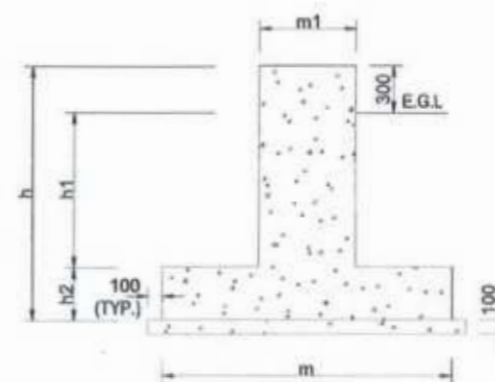


FOUNDATION PLAN (SEE TABLE)



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 Roads Improvement Project
C&W Department Peshawar.



TABLE - 1

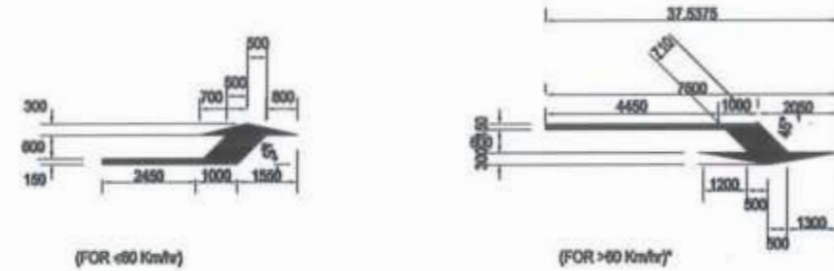
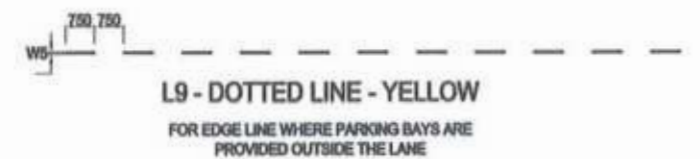
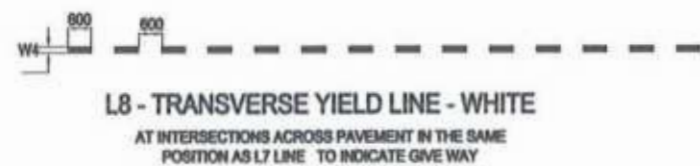
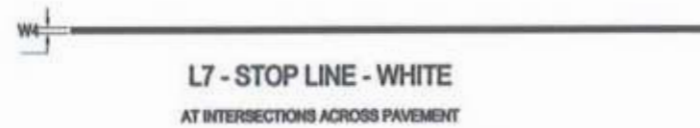
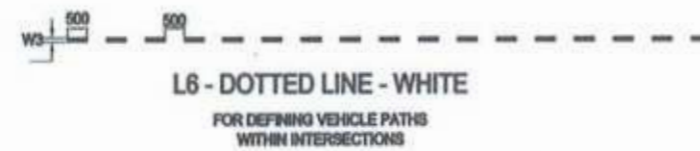
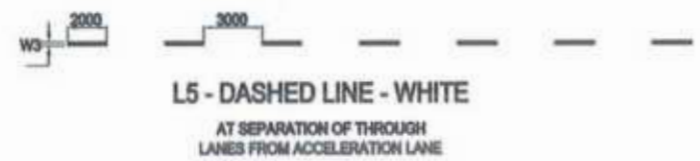
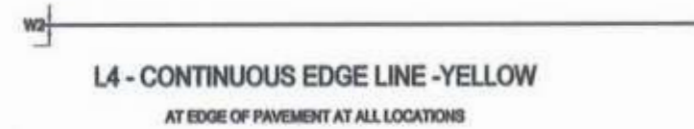
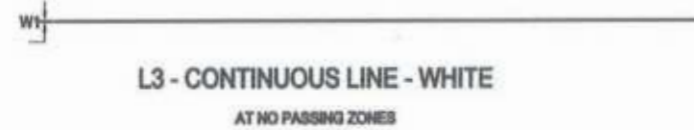
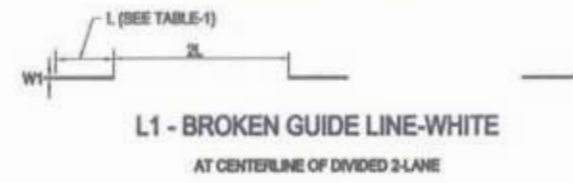
AREA OF SIGN BOARD A (M) ²	STRUCTURAL CONCRETE SIZING (mm)						STRUCTURAL STEEL SIZING (mm)						REINFORCEMENT		
	PEDESTAL m ₁ x m ₁	FOUNDATION PAD m x m	m ₂	h ₁	h ₂	h	PIPE		BASE PLATE		ANCHOR BOLTS (J-TYPE)		PEDESTAL	PAD	
							DIA (Ø)	THICKNESS (t)	PLAN SIZE (AxB)	THICKNESS (T)	DIA.	EMBEDMENT (L)			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

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: a, b, c DATE: AUGUST, 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	SCALE: N.T.S. DATE: AUG, 2024.	SHEET CONTENT: TRAFFIC SIGNS FOUNDATION DETAILS DWG NO: CEC/KP RRDP/RRWN CHT 6/150 0/9
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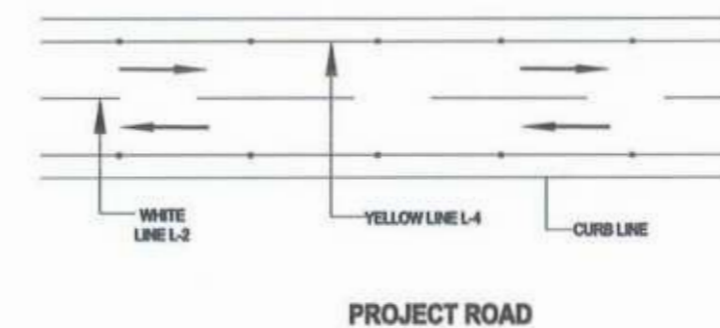
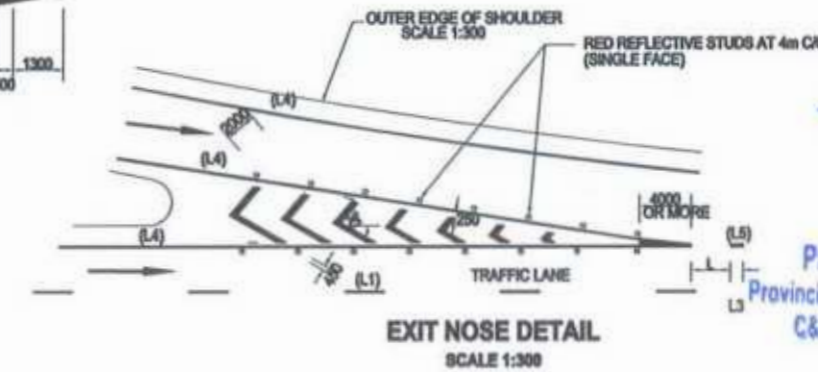
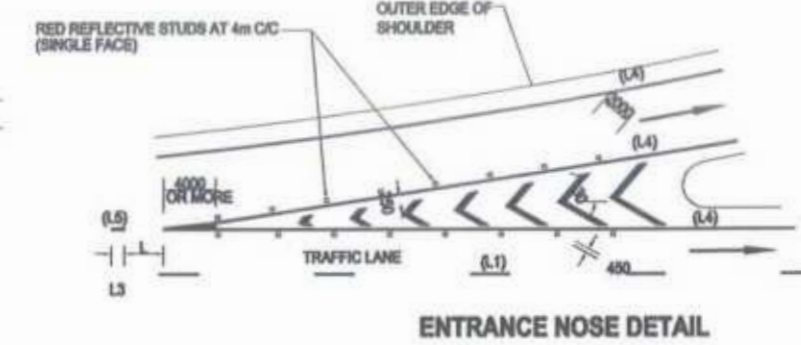
PAVEMENT MARKING LINES
FOR DIMENSIONS L & W1 TO W5, SEE TABLE-1



LANE SELECTION ARROWS - WHITE

TABLE - 1

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



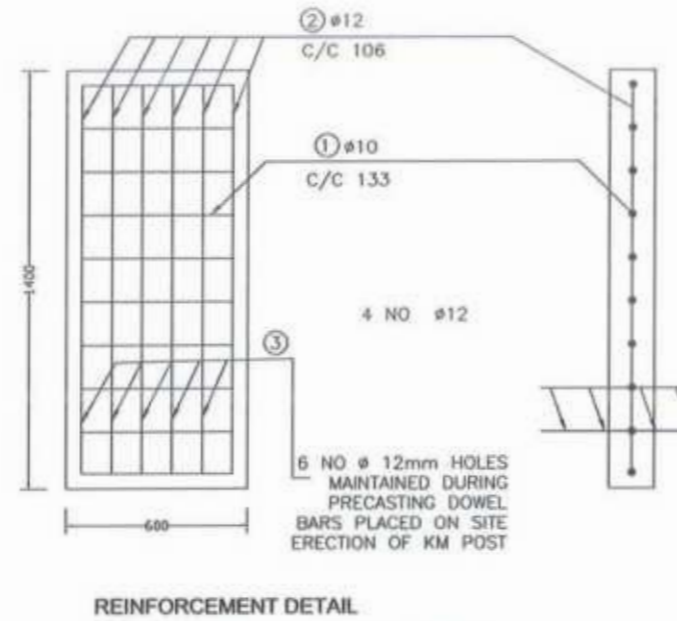
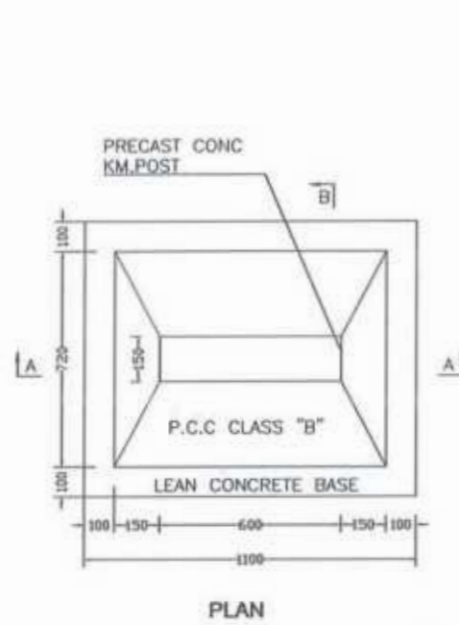
[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar



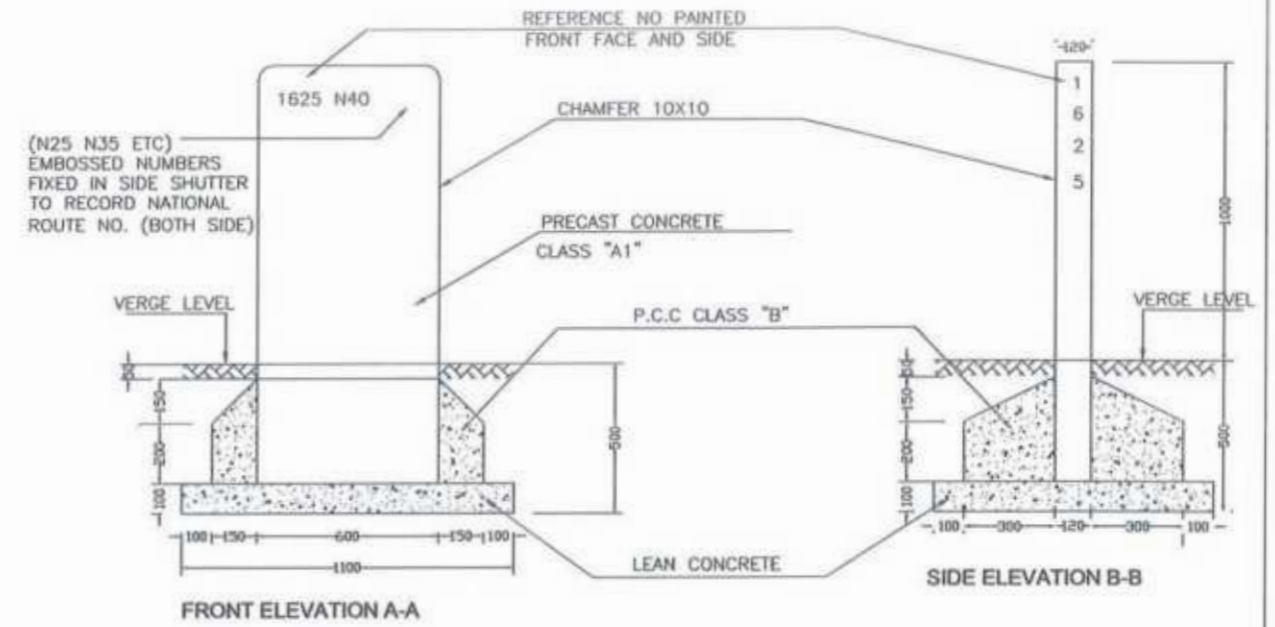
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0	DATE: AUGUST, 2024	DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: REHMAT	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	SCALE: N.T.S	SHEET CONTENT: TYPICAL PAVEMENT MARKING DETAILS DWG NO: CEC/KP-RRDP/WWA-N-CHT-6/P14-08
		REV: a			DRAWN: INAM ULLAH			DATE: AUG, 2024	
		REV: b			CHECKED: S.DURRANI				
		REV: 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



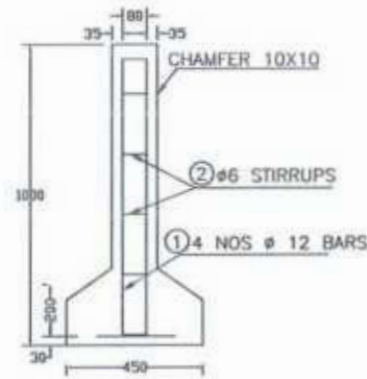
REINFORCEMENT DETAIL
.SEE TABLE-1 OF REINFORCEMENT SCHEDULE



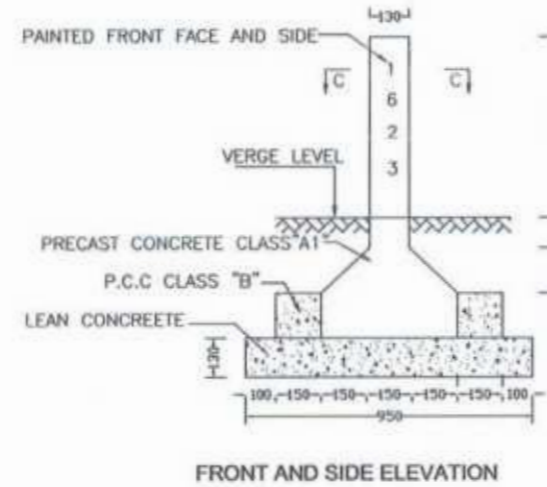
FIVE KILOMETER POST

[Signature]

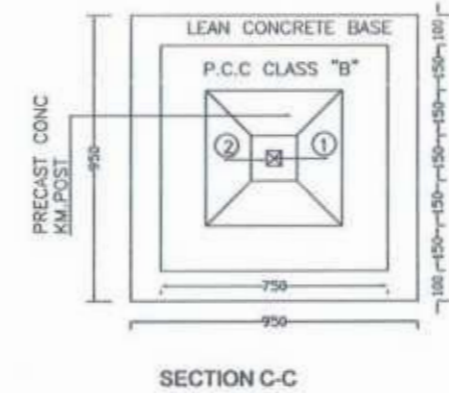
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.



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

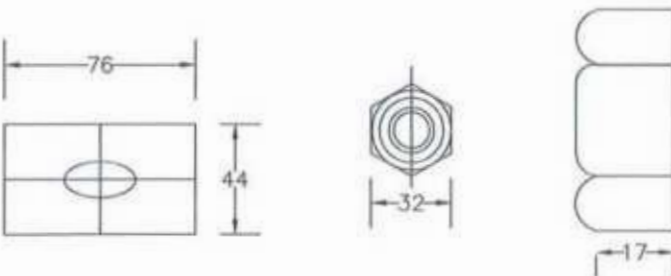
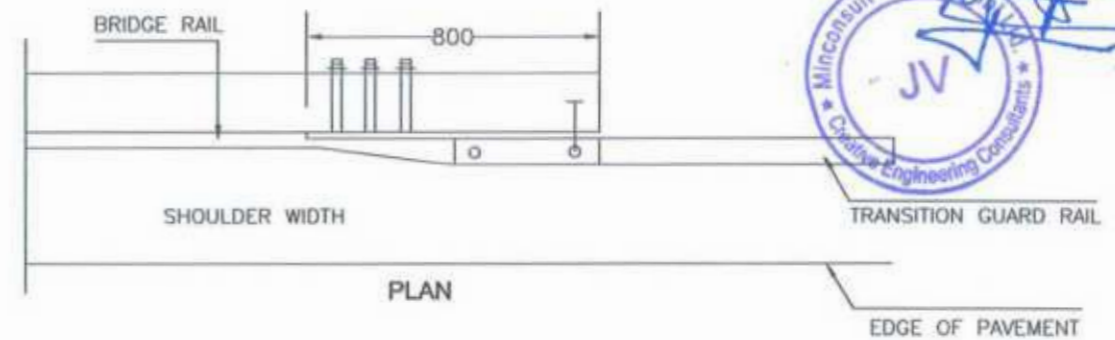
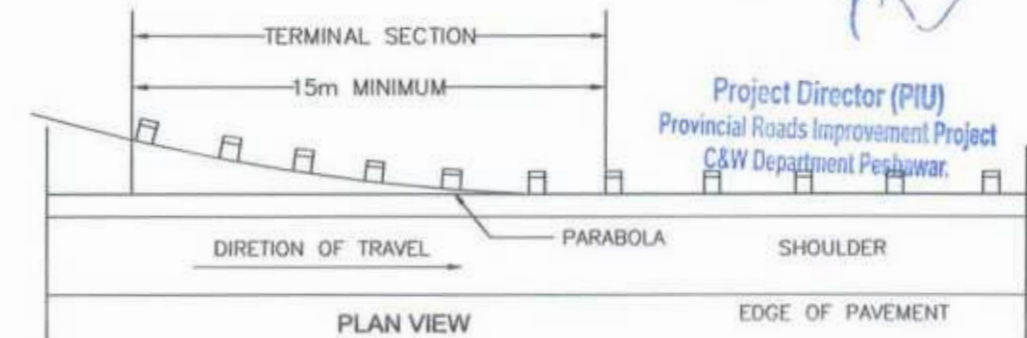
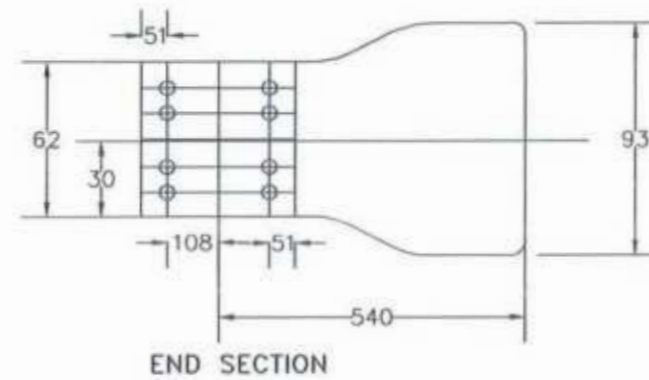
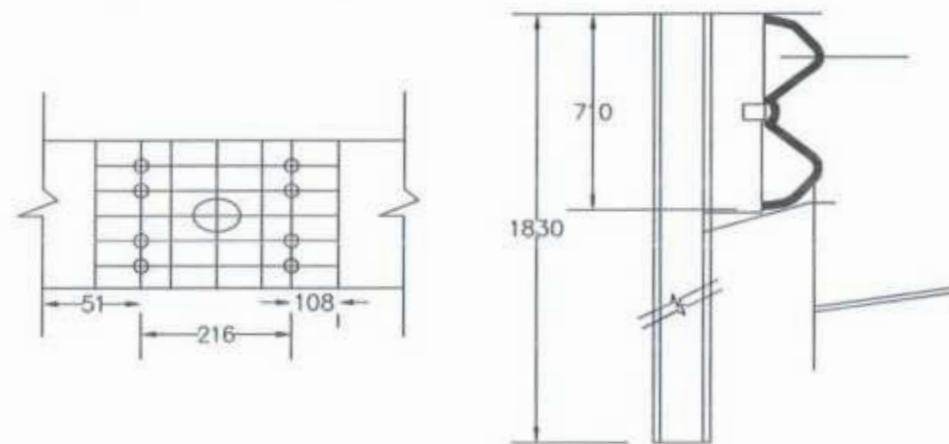
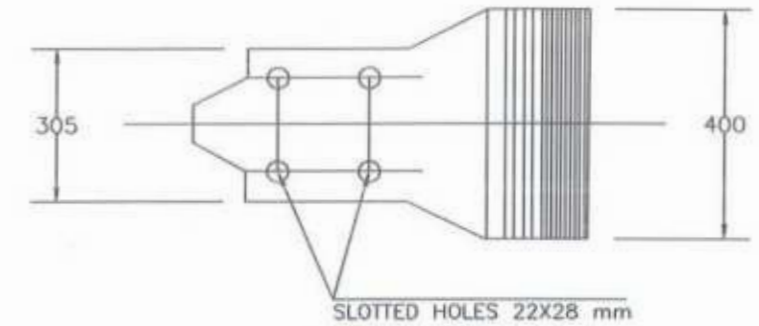
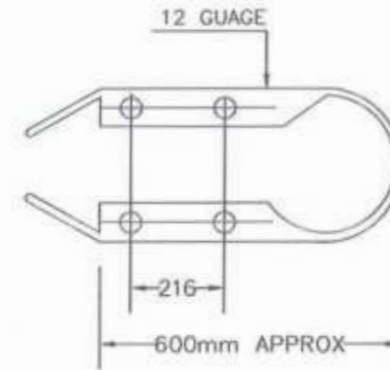
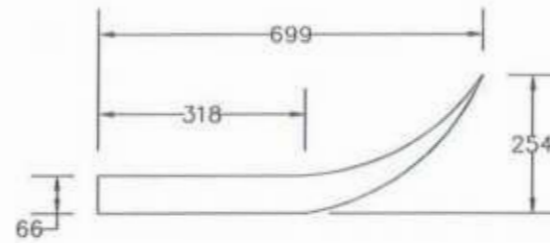
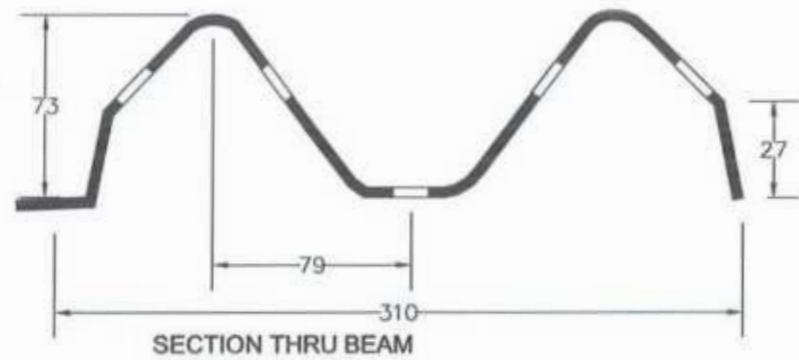
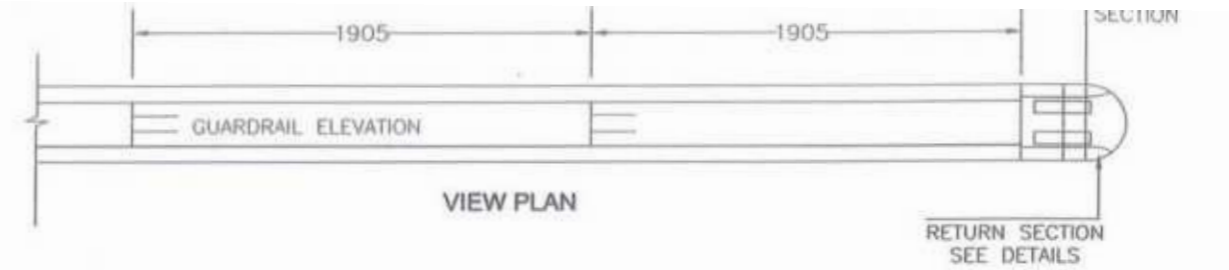
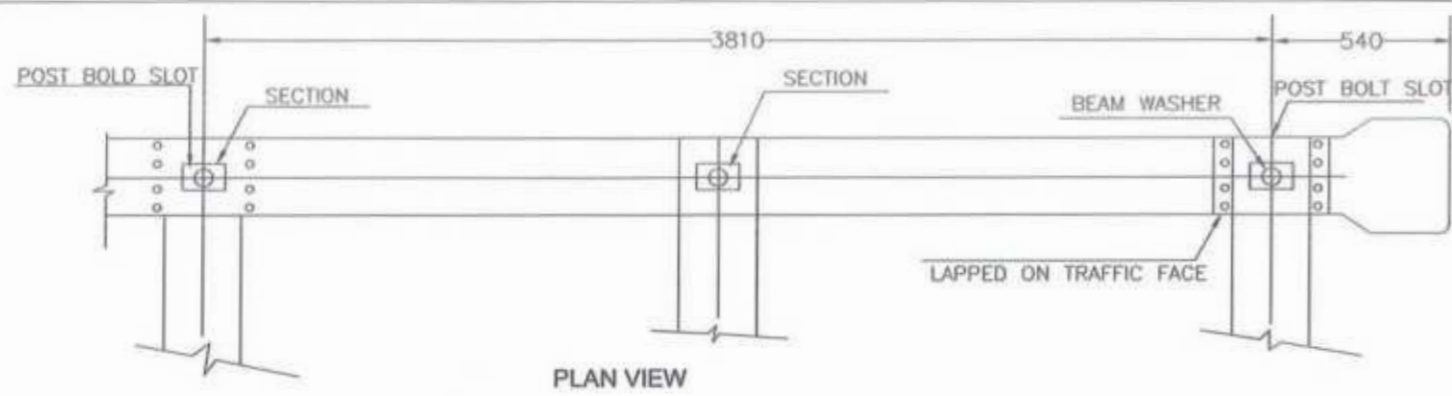
TABLE-2
REINFORCEMENT SCHEDULE



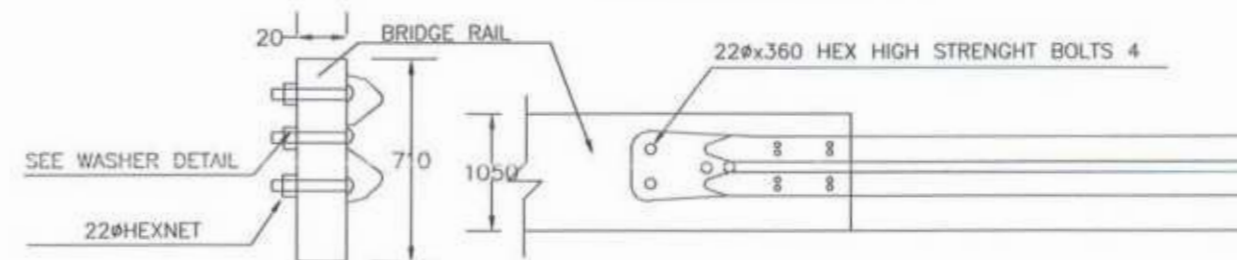
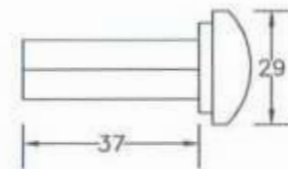
NOTES:-

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.

<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	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S
		a			DRAWN	INAM ULLAH						DATE:
		b			CHECKED	S.DURRANI						AUG, 2024
		c			APPROVED	AGEEL YOUNIS						



(15.875mm) POST OR SLICE BOLT AND NET



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



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	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	N.T.S	
		1			DRAWN	INAM ULLAH						FLOOD AFFECTED ROAD	DATE:
		2			CHECKED	S.DURRANI							AUG, 2024
		3			APPROVED	AQEEL YOUNIS							DWG NO: CEC/KP-RRDP/RRIN-CHT-6/GR-19
4													

CENTER LINE DATA



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



CENTER LINE DATA			
S:No	Station	Northing	Easting
1	0+000.00	4028467.74	264015.98
2	0+025.00	4028443.64	264022.65
3	0+050.00	4028421.11	264033.39
4	0+075.00	4028396.75	264038.84
5	0+100.00	4028388.91	264032.03
6	0+125.00	4028402.12	264015.40
7	0+150.00	4028399.86	263990.51
8	0+175.00	4028397.60	263965.61
9	0+200.00	4028406.89	263945.77
10	0+225.00	4028430.90	263939.39
11	0+250.00	4028444.83	263919.04
12	0+275.00	4028461.86	263901.79
13	0+300.00	4028466.64	263877.89
14	0+325.00	4028484.63	263860.72
15	0+350.00	4028503.93	263844.83
16	0+375.00	4028520.68	263826.94
17	0+400.00	4028512.41	263804.06
18	0+425.00	4028504.80	263780.27
19	0+450.00	4028491.27	263760.20
20	0+475.00	4028473.16	263743.14
21	0+500.00	4028459.36	263722.29
22	0+525.00	4028469.89	263709.03
23	0+550.00	4028494.71	263706.23
24	0+575.00	4028516.93	263695.95
25	0+600.00	4028525.14	263672.61
26	0+625.00	4028544.82	263666.66
27	0+650.00	4028561.81	263679.01
28	0+675.00	4028565.38	263703.68
29	0+700.00	4028573.28	263727.20
30	0+725.00	4028592.62	263742.50
31	0+750.00	4028613.95	263755.47
32	0+775.00	4028636.84	263765.20
33	0+800.00	4028661.15	263770.90
34	0+825.00	4028684.87	263764.43
35	0+850.00	4028707.73	263754.89
36	0+875.00	4028731.37	263747.50
37	0+900.00	4028750.85	263732.04
38	0+925.00	4028774.74	263726.68
39	0+950.00	4028799.64	263724.88
40	0+975.00	4028814.76	263706.80
41	1+000.00	4028826.59	263687.14

CENTER LINE DATA			
S:No	Station	Northing	Easting
42	1+025.00	4028842.17	263668.77
43	1+050.00	4028844.96	263644.98
44	1+075.00	4028846.42	263621.23
45	1+100.00	4028856.27	263600.24
46	1+125.00	4028866.51	263578.07
47	1+150.00	4028876.58	263555.42
48	1+175.00	4028892.31	263553.83
49	1+200.00	4028889.39	263578.50
50	1+225.00	4028887.00	263603.35
51	1+250.00	4028903.81	263610.46
52	1+275.00	4028927.24	263602.32
53	1+300.00	4028951.70	263597.12
54	1+325.00	4028968.06	263580.91
55	1+350.00	4028991.08	263575.67
56	1+375.00	4029015.53	263580.84
57	1+400.00	4029038.30	263591.13
58	1+425.00	4029060.62	263587.02
59	1+450.00	4029079.14	263571.75
60	1+475.00	4029084.19	263551.02
61	1+500.00	4029087.76	263526.62
62	1+525.00	4029101.04	263508.92
63	1+550.00	4029111.62	263530.81
64	1+575.00	4029123.58	263552.76
65	1+600.00	4029129.17	263576.75
66	1+625.00	4029151.76	263573.34
67	1+650.00	4029173.59	263577.45
68	1+675.00	4029194.45	263591.16
69	1+700.00	4029216.93	263601.57
70	1+725.00	4029236.77	263609.22
71	1+750.00	4029246.34	263632.22
72	1+775.00	4029257.24	263654.71
73	1+800.00	4029267.28	263677.61
74	1+825.00	4029285.85	263692.41
75	1+850.00	4029309.41	263700.77
76	1+875.00	4029332.11	263711.06
77	1+900.00	4029355.04	263720.94
78	1+925.00	4029375.91	263734.31
79	1+950.00	4029398.04	263745.80
80	1+975.00	4029422.08	263748.72
81	2+000.00	4029444.23	263737.20
82	2+025.00	4029464.20	263722.16

CENTER LINE DATA			
S:No	Station	Northing	Easting
83	2+050.00	4029484.07	263706.98
84	2+075.00	4029503.94	263691.81
85	2+100.00	4029518.68	263672.65
86	2+125.00	4029528.35	263650.19
87	2+150.00	4029550.18	263638.45
88	2+175.00	4029571.07	263624.81
89	2+200.00	4029593.53	263613.83
90	2+225.00	4029617.77	263608.47
91	2+250.00	4029638.79	263621.01
92	2+275.00	4029630.29	263637.35
93	2+300.00	4029610.72	263652.82
94	2+325.00	4029591.34	263668.44
95	2+350.00	4029584.02	263691.81
96	2+375.00	4029582.42	263716.67
97	2+400.00	4029571.83	263739.13
98	2+425.00	4029556.96	263759.22
99	2+450.00	4029548.55	263782.29
100	2+475.00	4029544.02	263806.54
101	2+500.00	4029533.49	263828.68
102	2+525.00	4029520.44	263849.78
103	2+550.00	4029525.17	263873.50
104	2+575.00	4029544.68	263888.96
105	2+600.00	4029559.46	263908.95
106	2+625.00	4029571.76	263930.69
107	2+650.00	4029583.24	263952.90
108	2+675.00	4029604.42	263963.02
109	2+700.00	4029628.42	263969.62
110	2+725.00	4029648.73	263984.12
111	2+750.00	4029666.94	264001.14
112	2+775.00	4029686.03	264017.09
113	2+800.00	4029704.96	264033.12
114	2+825.00	4029725.20	264046.73
115	2+850.00	4029748.68	264055.32
116	2+875.00	4029772.16	264063.91
117	2+900.00	4029796.85	264063.75
118	2+925.00	4029820.89	264068.46
119	2+950.00	4029845.66	264071.68
120	2+975.00	4029870.35	264075.37
121	3+000.00	4029893.67	264084.36
122	3+025.00	4029918.29	264082.46
123	3+050.00	4029940.70	264092.68

Project Director (FIU)
Rural Roads Improvement Project
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>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
			a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA
			b			DRAWN: INAM ULLAH				
			c			CHECKED: S.DURRANI				
	d			APPROVED: AQEEL YOUNIS						
DATE: AUG, 2024										DWG NO: CEC/KP-RRDP/RRW-N-CHT-6/CLD 02a

CENTER LINE DATA			
S:No	Station	Northing	Easting
124	3+075.00	4029964.58	264098.75
125	3+100.00	4029989.40	264101.74
126	3+125.00	4030013.42	264105.27
127	3+150.00	4030037.36	264106.34
128	3+175.00	4030061.92	264101.72
129	3+200.00	4030085.59	264093.72
130	3+225.00	4030109.43	264086.54
131	3+250.00	4030134.26	264088.88
132	3+275.00	4030159.16	264086.73
133	3+300.00	4030181.83	264076.75
134	3+325.00	4030198.16	264057.86
135	3+350.00	4030217.50	264061.96
136	3+375.00	4030233.47	264077.63
137	3+400.00	4030258.05	264073.73
138	3+425.00	4030282.56	264078.33
139	3+450.00	4030307.26	264075.32
140	3+475.00	4030331.99	264073.39
141	3+500.00	4030352.89	264060.25
142	3+525.00	4030376.62	264065.90
143	3+550.00	4030401.62	264065.46
144	3+575.00	4030426.41	264062.60
145	3+600.00	4030450.80	264057.64
146	3+625.00	4030452.46	264034.01
147	3+650.00	4030457.47	264010.93
148	3+675.00	4030464.84	263987.04
149	3+700.00	4030473.77	263963.71
150	3+725.00	4030489.94	263944.76
151	3+750.00	4030499.01	263921.88
152	3+775.00	4030513.73	263901.68
153	3+800.00	4030535.07	263897.37
154	3+825.00	4030559.81	263900.65
155	3+850.00	4030584.24	263896.04
156	3+875.00	4030606.67	263885.87
157	3+900.00	4030630.68	263881.59
158	3+925.00	4030652.10	263886.80
159	3+950.00	4030666.79	263906.80
160	3+975.00	4030681.17	263926.44
161	4+000.00	4030688.86	263950.22
162	4+025.00	4030708.89	263957.90
163	4+050.00	4030733.12	263958.78
164	4+075.00	4030757.86	263957.36

CENTER LINE DATA			
S:No	Station	Northing	Easting
165	4+100.00	4030780.99	263947.92
166	4+125.00	4030804.74	263946.50
167	4+150.00	4030824.20	263962.13
168	4+175.00	4030848.17	263960.47
169	4+200.00	4030871.97	263964.10
170	4+225.00	4030896.47	263967.17
171	4+250.00	4030921.47	263966.95
172	4+275.00	4030946.47	263966.73
173	4+300.00	4030970.89	263970.48
174	4+325.00	4030992.91	263982.08
175	4+350.00	4031017.15	263986.53
176	4+375.00	4031039.51	263997.72
177	4+400.00	4031063.54	264003.18
178	4+425.00	4031086.42	264013.10
179	4+450.00	4031111.29	264014.47
180	4+475.00	4031134.89	264021.90
181	4+500.00	4031155.44	264036.13
182	4+525.00	4031177.82	264046.39
183	4+550.00	4031202.68	264045.04
184	4+575.00	4031227.36	264046.63
185	4+600.00	4031251.24	264040.25
186	4+625.00	4031275.24	264035.26
187	4+650.00	4031279.41	264059.26
188	4+675.00	4031287.92	264082.60
189	4+700.00	4031294.58	264106.69
190	4+725.00	4031298.94	264131.17
191	4+750.00	4031311.15	264152.18
192	4+775.00	4031333.84	264158.27
193	4+800.00	4031358.48	264157.04
194	4+825.00	4031382.83	264162.71
195	4+850.00	4031403.13	264176.00
196	4+875.00	4031421.57	264192.83
197	4+900.00	4031440.78	264208.83
198	4+925.00	4031460.14	264224.60
199	4+950.00	4031476.89	264243.17
200	4+975.00	4031488.31	264264.62
201	5+000.00	4031507.11	264273.98
202	5+025.00	4031530.02	264265.10
203	5+050.00	4031552.73	264265.84
204	5+075.00	4031575.95	264270.74
205	5+100.00	4031585.59	264249.21


CENTER LINE DATA			
S:No	Station	Northing	Easting
206	5+125.00	4031597.16	264229.96
207	5+150.00	4031619.84	264222.58
208	5+175.00	4031630.82	264201.88
209	5+200.00	4031643.71	264193.17
210	5+225.00	4031666.13	264191.89
211	5+250.00	4031681.99	264172.79
212	5+275.00	4031704.95	264163.35
213	5+300.00	4031727.98	264153.65
214	5+325.00	4031751.76	264148.52
215	5+350.00	4031773.92	264137.05
216	5+375.00	4031797.98	264134.36
217	5+400.00	4031822.47	264132.99
218	5+425.00	4031844.43	264127.09
219	5+450.00	4031868.87	264126.55
220	5+475.00	4031893.08	264120.54
221	5+500.00	4031908.12	264103.60
222	5+525.00	4031925.03	264085.21
223	5+550.00	4031944.64	264074.54
224	5+575.00	4031969.23	264078.32
225	5+600.00	4031993.83	264075.51
226	5+625.00	4032018.68	264073.92
227	5+650.00	4032042.90	264068.12
228	5+675.00	4032067.65	264070.88
229	5+700.00	4032092.25	264075.32
230	5+725.00	4032117.12	264077.88
231	5+750.00	4032141.99	264080.45
232	5+775.00	4032166.84	264083.20
233	5+800.00	4032191.80	264083.65
234	5+825.00	4032216.80	264083.22
235	5+850.00	4032241.76	264082.04
236	5+875.00	4032266.49	264078.49
237	5+900.00	4032290.76	264072.64
238	5+925.00	4032313.06	264061.38
239	5+950.00	4032334.79	264049.01
240	5+975.00	4032355.28	264034.69
241	6+000.00	4032377.13	264022.89
242	6+025.00	4032402.06	264022.08
243	6+050.00	4032426.52	264017.15
244	6+075.00	4032448.72	264005.79
245	6+100.00	4032463.20	264018.52
246	6+125.00	4032480.53	264033.17

Project Director (PIU)
 National Road Improvement Project
 Government of Punjab

[Signature]

Minconsult International Ltd.
 Creative Engineering Consultants
[Signature]

JV

 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 59835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	CENTER LINE DATA
		b			DRAWN	INAM ULLAH				
		c			CHECKED	S.DURRANI				
d			APPROVED	AQEEL YOUNIS						
								DATE:	DWG NO: CECNP-RRDP/RWN-CHT-6/CLD-026	
								AUG, 2024		

CENTER LINE DATA

S:No	Station	Northing	Easting
247	6+150.00	4032505.25	264036.43
248	6+175.00	4032529.72	264031.48
249	6+200.00	4032554.71	264030.75
250	6+225.00	4032579.68	264031.12
251	6+250.00	4032601.13	264043.16
252	6+275.00	4032625.14	264049.62
253	6+300.00	4032649.91	264049.98
254	6+325.00	4032674.64	264046.35
255	6+350.00	4032698.38	264052.73
256	6+375.00	4032717.23	264068.32
257	6+400.00	4032737.27	264080.02
258	6+425.00	4032758.10	264090.75
259	6+450.00	4032769.94	264112.74
260	6+475.00	4032786.63	264131.05
261	6+500.00	4032791.66	264155.44
262	6+525.00	4032805.36	264175.46
263	6+550.00	4032806.66	264199.39
264	6+575.00	4032815.11	264222.65
265	6+600.00	4032824.88	264245.58
266	6+625.00	4032834.87	264268.07
267	6+650.00	4032847.88	264289.24
268	6+675.00	4032868.60	264300.86
269	6+700.00	4032884.12	264315.92
270	6+725.00	4032890.78	264339.80
271	6+750.00	4032906.27	264358.71
272	6+775.00	4032928.74	264369.28
273	6+800.00	4032949.83	264381.98
274	6+825.00	4032973.15	264390.98
275	6+850.00	4032997.68	264395.00
276	6+875.00	4033019.54	264384.30
277	6+900.00	4033038.45	264367.96
278	6+925.00	4033061.12	264357.60
279	6+950.00	4033085.55	264353.16
280	6+975.00	4033109.26	264360.44
281	7+000.00	4033133.66	264355.58
282	7+025.00	4033156.61	264346.37
283	7+050.00	4033177.04	264359.74
284	7+075.00	4033197.34	264374.28
285	7+100.00	4033210.86	264394.95
286	7+125.00	4033224.42	264415.84
287	7+150.00	4033243.10	264431.00

CENTER LINE DATA

S:No	Station	Northing	Easting
288	7+175.00	4033267.55	264426.17
289	7+200.00	4033292.09	264427.36
290	7+225.00	4033313.51	264440.18
291	7+250.00	4033323.32	264461.82
292	7+275.00	4033336.99	264481.30
293	7+300.00	4033360.24	264489.26
294	7+325.00	4033385.09	264489.05
295	7+350.00	4033405.03	264474.39
296	7+375.00	4033422.29	264456.44
297	7+400.00	4033442.22	264445.39
298	7+425.00	4033464.61	264455.80
299	7+450.00	4033485.80	264469.05
300	7+475.00	4033509.50	264476.85
301	7+500.00	4033534.40	264475.86
302	7+525.00	4033558.04	264483.93
303	7+550.00	4033582.06	264488.91
304	7+575.00	4033603.30	264475.96
305	7+600.00	4033624.41	264462.90
306	7+625.00	4033621.35	264442.25
307	7+650.00	4033626.36	264423.16
308	7+675.00	4033648.46	264411.64
309	7+700.00	4033664.98	264397.98
310	7+725.00	4033675.57	264381.03
311	7+750.00	4033693.97	264366.70
312	7+775.00	4033704.22	264344.35
313	7+800.00	4033708.89	264322.92
314	7+825.00	4033728.14	264333.83
315	7+850.00	4033751.92	264338.22
316	7+875.00	4033776.59	264334.66
317	7+900.00	4033801.45	264333.42
318	7+925.00	4033825.98	264336.56
319	7+950.00	4033849.83	264343.41
320	7+975.00	4033873.37	264351.69
321	8+000.00	4033893.28	264365.82
322	8+025.00	4033899.45	264345.57
323	8+050.00	4033892.06	264321.72
324	8+075.00	4033890.96	264296.93
325	8+100.00	4033908.66	264280.87
326	8+125.00	4033927.05	264265.79
327	8+150.00	4033943.22	264246.93
328	8+175.00	4033967.34	264243.43

CENTER LINE DATA

S:No	Station	Northing	Easting
329	8+200.00	4033988.95	264253.09
330	8+225.00	4034004.87	264271.89
331	8+250.00	4034029.30	264277.08
332	8+275.00	4034053.87	264279.53
333	8+300.00	4034072.34	264263.14
334	8+325.00	4034077.08	264238.70
335	8+350.00	4034078.33	264213.82
336	8+375.00	4034083.48	264190.23
337	8+400.00	4034105.51	264185.48
338	8+425.00	4034128.91	264194.24
339	8+450.00	4034153.39	264197.99
340	8+475.00	4034178.39	264197.49
341	8+500.00	4034203.38	264197.00
342	8+525.00	4034226.17	264190.19
343	8+550.00	4034231.22	264166.30
344	8+575.00	4034230.80	264141.59
345	8+600.00	4034247.52	264124.61
346	8+625.00	4034269.28	264115.37
347	8+650.00	4034285.75	264097.23
348	8+675.00	4034308.82	264088.02
349	8+700.00	4034328.92	264073.33
350	8+725.00	4034345.19	264054.35
351	8+750.00	4034365.98	264046.61
352	8+775.00	4034390.85	264046.71
353	8+800.00	4034415.29	264051.85
354	8+825.00	4034438.14	264042.97
355	8+850.00	4034453.65	264024.53
356	8+875.00	4034468.23	264015.79
357	8+900.00	4034484.50	264034.75
358	8+925.00	4034508.19	264040.62
359	8+950.00	4034531.23	264048.73
360	8+975.00	4034555.92	264051.01
361	9+000.00	4034580.08	264047.50
362	9+025.00	4034600.55	264058.60
363	9+050.00	4034624.29	264060.21
364	9+075.00	4034646.38	264049.55
365	9+100.00	4034658.39	264027.76
366	9+125.00	4034660.24	264002.96
367	9+150.00	4034663.49	263978.82
368	9+175.00	4034685.15	263966.56
369	9+200.00	4034705.84	263952.72

Project Director (PIU)
 Provincial Roads Improvement Project
 Cash Department Feshwar



<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:	
		c	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	CENTER LINE DATA DWG NO: CEC/KP-RRDP/PIU/N-CHT-6/CLD 02c
		d			DRAWN	INAM ULLAH		FLOOD AFFECTED ROAD	DATE:	
		e			CHECKED	S.DURRANI		AUG, 2024		
		f			APPROVED	AQEEL YOUNIS				
g										

CENTER LINE DATA			
S:No	Station	Northing	Easting
370	9+225.00	4034724.62	263936.21
371	9+250.00	4034737.06	263915.19
372	9+275.00	4034744.72	263891.85
373	9+300.00	4034758.09	263871.02
374	9+325.00	4034766.50	263848.04
375	9+350.00	4034780.50	263827.55
376	9+375.00	4034802.57	263816.69
377	9+400.00	4034813.69	263794.46
378	9+425.00	4034834.70	263781.33
379	9+450.00	4034852.32	263764.40
380	9+475.00	4034876.37	263757.76
381	9+500.00	4034898.76	263746.65
382	9+525.00	4034909.47	263728.17
383	9+550.00	4034918.62	263707.40
384	9+575.00	4034913.47	263685.88
385	9+600.00	4034899.70	263665.46
386	9+625.00	4034901.85	263641.72
387	9+650.00	4034906.71	263617.95
388	9+675.00	4034913.23	263594.36
389	9+700.00	4034908.96	263570.00
390	9+725.00	4034914.84	263547.85
391	9+750.00	4034925.29	263525.49
392	9+775.00	4034927.78	263501.11
393	9+800.00	4034942.82	263481.53
394	9+825.00	4034937.44	263458.25
395	9+850.00	4034920.93	263439.58
396	9+875.00	4034900.17	263425.95
397	9+900.00	4034914.49	263415.23
398	9+925.00	4034939.14	263419.29
399	9+950.00	4034956.02	263406.14
400	9+975.00	4034957.87	263381.99
401	10+000.00	4034950.94	263358.26
402	10+025.00	4034965.16	263338.62
403	10+050.00	4034981.81	263320.28
404	10+075.00	4035002.35	263307.04
405	10+100.00	4035026.14	263299.64
406	10+125.00	4035048.50	263288.47
407	10+150.00	4035059.36	263267.42
408	10+175.00	4035065.71	263244.14
409	10+200.00	4035076.98	263222.03
410	10+225.00	4035087.42	263199.35

CENTER LINE DATA			
S:No	Station	Northing	Easting
411	10+250.00	4035097.09	263176.45
412	10+275.00	4035101.74	263152.03
413	10+300.00	4035117.49	263133.03
414	10+325.00	4035140.75	263124.07
415	10+350.00	4035159.62	263108.29
416	10+375.00	4035171.84	263086.55
417	10+400.00	4035191.89	263071.82
418	10+425.00	4035214.09	263060.39
419	10+450.00	4035226.86	263039.22
420	10+475.00	4035245.22	263022.35
421	10+500.00	4035265.51	263007.75
422	10+525.00	4035287.16	262995.28
423	10+550.00	4035309.43	262983.96
424	10+575.00	4035329.75	262969.40
425	10+600.00	4035351.07	262956.66
426	10+625.00	4035375.52	262951.58
427	10+650.00	4035398.30	262941.44
428	10+675.00	4035419.82	262928.71
429	10+700.00	4035439.57	262913.50
430	10+725.00	4035461.48	262901.87
431	10+750.00	4035479.95	262886.18
432	10+775.00	4035493.13	262864.94
433	10+800.00	4035506.32	262843.70
434	10+825.00	4035515.68	262820.59
435	10+850.00	4035523.51	262796.85
436	10+875.00	4035539.37	262777.68
437	10+900.00	4035558.35	262761.65
438	10+925.00	4035564.80	262742.22
439	10+950.00	4035541.54	262733.37
440	10+975.00	4035518.19	262724.56
441	11+000.00	4035495.19	262714.77
442	11+025.00	4035494.22	262697.07
443	11+050.00	4035517.99	262690.24
444	11+075.00	4035536.30	262673.25
445	11+100.00	4035566.43	262627.07
446	11+125.00	4035575.46	262603.75
447	11+150.00	4035579.54	262579.22
448	11+175.00	4035584.70	262554.76
449	11+200.00	4035589.95	262530.32
450	11+225.00	4035592.91	262505.55
451	11+250.00	4035595.06	262480.67

CENTER LINE DATA			
S:No	Station	Northing	Easting
452	11+275.00	4035598.66	262455.93
453	11+300.00	4035598.08	262430.99
454	11+325.00	4035595.97	262406.08
455	11+350.00	4035603.85	262383.25
456	11+375.00	4035622.05	262366.25
457	11+400.00	4035632.68	262343.81
458	11+425.00	4035636.60	262319.15
459	11+450.00	4035637.80	262294.18
460	11+475.00	4035632.42	262270.01
461	11+500.00	4035630.58	262245.20
462	11+525.00	4035631.96	262220.28
463	11+550.00	4035633.63	262195.37
464	11+575.00	4035636.20	262170.67
465	11+600.00	4035641.94	262146.43
466	11+625.00	4035641.47	262121.45
467	11+650.00	4035637.66	262096.75
468	11+675.00	4035633.55	262072.09
469	11+700.00	4035631.54	262047.19
470	11+725.00	4035632.70	262022.25
471	11+750.00	4035638.04	261997.85
472	11+775.00	4035644.24	261973.63
473	11+800.00	4035642.99	261948.96
474	11+825.00	4035636.85	261924.75
475	11+850.00	4035633.22	261900.03
476	11+875.00	4035632.92	261875.05
477	11+900.00	4035635.62	261850.29
478	11+925.00	4035641.71	261826.07
479	11+950.00	4035661.40	261812.69
480	11+975.00	4035686.25	261809.95
481	12+000.00	4035710.66	261804.84
482	12+025.00	4035735.55	261802.99
483	12+050.00	4035760.19	261798.76
484	12+075.00	4035784.35	261792.63
485	12+100.00	4035798.10	261774.98
486	12+125.00	4035803.45	261750.85
487	12+150.00	4035820.92	261733.47
488	12+175.00	4035842.92	261721.59
489	12+200.00	4035858.80	261702.88
490	12+225.00	4035871.98	261681.79
491	12+250.00	4035889.50	261663.96
492	12+275.00	4035904.18	261643.93

Project Director (PIU)
Rural Roads Improvement Project
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:
		c	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA
		d			DRAWN INAM ULLAH				
		b			CHECKED S.DURRANI				
e			APPROVED AQEEL YOUNIS						
DWG NO: CECKP-RRDP/RRIN-CHT-6/CLD 024									

CENTER LINE DATA

S:No	Station	Northing	Easting
493	12+300.00	4035916.82	261622.44
494	12+325.00	4035933.81	261604.39
495	12+350.00	4035938.98	261579.96
496	12+375.00	4035934.03	261555.61
497	12+400.00	4035927.96	261531.39
498	12+425.00	4035930.31	261506.56
499	12+450.00	4035928.46	261481.69
500	12+475.00	4035925.04	261456.95
501	12+500.00	4035912.93	261435.36
502	12+525.00	4035892.78	261420.71
503	12+550.00	4035872.26	261406.45
504	12+575.00	4035853.58	261389.96
505	12+600.00	4035838.54	261370.42
506	12+625.00	4035855.61	261356.19
507	12+650.00	4035880.51	261354.83
508	12+675.00	4035905.51	261354.99
509	12+700.00	4035929.44	261348.76
510	12+725.00	4035948.15	261332.52
511	12+750.00	4035957.21	261309.48
512	12+775.00	4035962.79	261285.24
513	12+800.00	4035980.90	261268.25
514	12+825.00	4035988.65	261245.57
515	12+850.00	4035988.68	261220.59
516	12+875.00	4035985.39	261195.81
517	12+900.00	4035984.46	261170.85
518	12+925.00	4035977.46	261147.38
519	12+950.00	4035983.38	261123.24
520	12+975.00	4035977.40	261099.14
521	13+000.00	4035960.62	261082.31
522	13+025.00	4035936.99	261074.15
523	13+050.00	4035912.18	261071.65
524	13+075.00	4035892.83	261059.22
525	13+100.00	4035883.49	261037.68
526	13+125.00	4035859.13	261032.45
527	13+150.00	4035835.21	261025.21
528	13+175.00	4035810.55	261021.46
529	13+200.00	4035786.76	261013.79
530	13+225.00	4035778.13	260994.48
531	13+250.00	4035799.41	260981.81
532	13+275.00	4035821.70	260970.48
533	13+300.00	4035845.19	260962.23

CENTER LINE DATA

S:No	Station	Northing	Easting
534	13+325.00	4035869.91	260958.80
535	13+350.00	4035894.75	260957.56
536	13+375.00	4035901.79	260936.05
537	13+400.00	4035901.63	260911.23
538	13+425.00	4035903.69	260886.34
539	13+450.00	4035903.59	260861.37
540	13+475.00	4035897.86	260837.04
541	13+500.00	4035891.65	260812.83
542	13+525.00	4035877.60	260792.51
543	13+550.00	4035857.48	260777.83
544	13+575.00	4035847.10	260755.52
545	13+600.00	4035845.64	260730.56
546	13+625.00	4035847.41	260705.69
547	13+650.00	4035847.13	260680.83
548	13+675.00	4035844.13	260656.05
549	13+700.00	4035846.01	260631.13
550	13+725.00	4035844.56	260606.38
551	13+750.00	4035838.57	260582.11
552	13+775.00	4035832.59	260557.84
553	13+800.00	4035826.50	260533.59
554	13+825.00	4035813.66	260512.42
555	13+850.00	4035793.30	260498.09
556	13+875.00	4035783.47	260475.38
557	13+900.00	4035771.01	260453.72
558	13+925.00	4035759.80	260431.61
559	13+950.00	4035739.99	260416.37
560	13+975.00	4035727.84	260394.68
561	14+000.00	4035715.20	260373.13
562	14+025.00	4035702.06	260351.86
563	14+050.00	4035692.29	260329.06
564	14+075.00	4035687.19	260304.63
565	14+100.00	4035686.31	260279.65
566	14+125.00	4035685.47	260254.66
567	14+150.00	4035684.62	260229.68
568	14+175.00	4035683.78	260204.69
569	14+200.00	4035687.38	260180.04
570	14+225.00	4035689.80	260155.18
571	14+250.00	4035699.05	260132.02
572	14+275.00	4035709.57	260109.34
573	14+300.00	4035720.09	260086.67
574	14+325.00	4035728.59	260063.18

CENTER LINE DATA

S:No	Station	Northing	Easting
575	14+350.00	4035735.46	260039.15
576	14+375.00	4035739.66	260014.67
577	14+400.00	4035742.09	259990.20
578	14+425.00	4035750.04	259966.49
579	14+450.00	4035755.95	259942.35
580	14+475.00	4035749.36	259918.41
581	14+500.00	4035740.39	259895.08
582	14+525.00	4035728.44	259873.30
583	14+550.00	4035717.86	259850.76
584	14+575.00	4035709.02	259827.38
585	14+600.00	4035699.65	259804.20
586	14+625.00	4035697.12	259779.47
587	14+650.00	4035683.70	259759.18
588	14+675.00	4035695.15	259741.08
589	14+700.00	4035703.20	259717.88
590	14+725.00	4035698.39	259693.43
591	14+750.00	4035695.91	259668.56
592	14+775.00	4035695.24	259643.59
593	14+800.00	4035694.98	259618.61
594	14+825.00	4035688.49	259594.52
595	14+850.00	4035679.74	259571.11
596	14+875.00	4035669.61	259548.28
597	14+900.00	4035650.81	259532.10
598	14+925.00	4035636.52	259512.22
599	14+950.00	4035625.71	259491.62
600	14+975.00	4035634.82	259467.94
601	15+000.00	4035629.20	259443.72
602	15+025.00	4035633.55	259419.45
603	15+050.00	4035643.61	259396.58
604	15+075.00	4035657.62	259375.93
605	15+100.00	4035659.39	259351.44
606	15+125.00	4035667.67	259328.23
607	15+150.00	4035674.32	259304.16
608	15+175.00	4035675.98	259279.42
609	15+200.00	4035672.36	259254.75
610	15+225.00	4035664.48	259231.85
611	15+250.00	4035659.66	259207.50
612	15+275.00	4035661.99	259182.94
613	15+300.00	4035660.96	259158.08
614	15+325.00	4035659.42	259133.13
615	15+350.00	4035660.50	259108.35

Project Director (PIU)
Roads Improvement Project
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>	a	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA DWG NO: CECKP-RBDP/RWN-CHT-8/CLD 024
		b			DRAWN: INAM ULLAH				
		c			CHECKED: S.DURRANI				
		d			APPROVED: AQEEL YOUNIS				

CENTER LINE DATA

S:No	Station	Northing	Easting
616	15+375.00	4035663.04	259084.03
617	15+400.00	4035655.20	259060.30
618	15+425.00	4035646.35	259036.95
619	15+450.00	4035634.67	259014.92
620	15+475.00	4035624.23	258992.67
621	15+500.00	4035612.29	258971.05
622	15+525.00	4035607.50	258946.51
623	15+550.00	4035602.74	258921.97
624	15+575.00	4035597.99	258897.43
625	15+600.00	4035597.11	258872.58
626	15+625.00	4035594.26	258847.75
627	15+650.00	4035593.69	258822.93
628	15+675.00	4035593.51	258798.05
629	15+700.00	4035598.74	258773.93
630	15+725.00	4035612.18	258752.89
631	15+750.00	4035614.17	258728.07
632	15+775.00	4035613.84	258703.16
633	15+800.00	4035608.34	258678.94
634	15+825.00	4035603.60	258654.62
635	15+850.00	4035590.77	258633.17
636	15+875.00	4035573.08	258615.72
637	15+900.00	4035552.48	258601.58
638	15+925.00	4035530.75	258589.22
639	15+950.00	4035508.97	258576.94
640	15+975.00	4035487.18	258564.68
641	16+000.00	4035465.38	258552.45
642	16+025.00	4035443.57	258540.23
643	16+050.00	4035427.82	258521.60
644	16+075.00	4035424.00	258496.93
645	16+100.00	4035414.94	258474.09
646	16+125.00	4035401.01	258453.42
647	16+150.00	4035389.24	258431.36
648	16+175.00	4035377.47	258409.31
649	16+200.00	4035365.76	258387.22
650	16+225.00	4035362.27	258362.75
651	16+250.00	4035362.72	258337.75
652	16+275.00	4035363.17	258312.76
653	16+300.00	4035363.61	258287.76
654	16+325.00	4035359.62	258263.20
655	16+350.00	4035365.95	258239.08
656	16+375.00	4035367.40	258214.19

CENTER LINE DATA



S:No	Station	Northing	Easting
657	16+400.00	4035371.27	258189.70
658	16+425.00	4035375.41	258165.16
659	16+450.00	4035380.54	258140.83
660	16+475.00	4035384.14	258116.16
661	16+500.00	4035385.90	258091.24
662	16+525.00	4035380.42	258066.87
663	16+550.00	4035367.87	258045.40
664	16+575.00	4035357.17	258022.91
665	16+600.00	4035348.22	257999.56
666	16+625.00	4035336.44	257977.71
667	16+650.00	4035314.88	257970.73
668	16+675.00	4035295.17	257959.09
669	16+700.00	4035287.30	257935.72
670	16+725.00	4035271.36	257916.46
671	16+750.00	4035255.40	257897.23
672	16+775.00	4035239.43	257877.99
673	16+800.00	4035227.60	257856.57
674	16+825.00	4035226.21	257831.85
675	16+850.00	4035221.49	257807.90
676	16+875.00	4035216.08	257784.15
677	16+900.00	4035208.27	257760.50
678	16+925.00	4035194.27	257740.02
679	16+950.00	4035190.11	257715.43
680	16+975.00	4035182.78	257691.68
681	17+000.00	4035168.04	257672.05
682	17+025.00	4035155.66	257650.62
683	17+050.00	4035143.95	257628.56
684	17+075.00	4035128.38	257609.22
685	17+100.00	4035112.16	257590.28
686	17+125.00	4035096.99	257570.41
687	17+150.00	4035078.62	257553.51
688	17+175.00	4035059.05	257538.00
689	17+200.00	4035039.05	257523.54
690	17+225.00	4035020.90	257506.46
691	17+250.00	4035001.03	257491.30
692	17+275.00	4034981.79	257475.47
693	17+300.00	4034967.69	257454.93
694	17+325.00	4034959.90	257431.26
695	17+350.00	4034956.32	257406.52
696	17+375.00	4034942.09	257386.95
697	17+400.00	4034922.25	257371.93

CENTER LINE DATA

S:No	Station	Northing	Easting
698	17+425.00	4034904.40	257354.56
699	17+450.00	4034884.61	257339.30
700	17+475.00	4034864.81	257324.03
701	17+500.00	4034845.30	257308.42
702	17+525.00	4034830.38	257288.40
703	17+550.00	4034820.23	257266.00
704	17+575.00	4034810.50	257243.09
705	17+600.00	4034802.41	257219.45
706	17+625.00	4034796.05	257195.35
707	17+650.00	4034788.56	257171.71
708	17+675.00	4034778.02	257149.04
709	17+700.00	4034765.64	257127.36
710	17+725.00	4034752.08	257106.36
711	17+750.00	4034742.06	257083.60
712	17+775.00	4034734.69	257059.71
713	17+800.00	4034727.31	257035.82
714	17+825.00	4034726.34	257011.14
715	17+850.00	4034728.17	256986.32
716	17+875.00	4034728.05	256961.42
717	17+900.00	4034728.41	256936.64
718	17+925.00	4034719.49	256913.29
719	17+950.00	4034710.41	256890.00
720	17+975.00	4034699.59	256867.46
721	18+000.00	4034688.55	256845.03
722	18+025.00	4034681.37	256821.25
723	18+050.00	4034679.80	256796.30
724	18+075.00	4034669.97	256773.75
725	18+100.00	4034668.78	256749.24
726	18+125.00	4034659.43	256726.24
727	18+150.00	4034649.79	256703.42
728	18+175.00	4034644.50	256679.25
729	18+200.00	4034638.53	256655.45
730	18+225.00	4034623.79	256636.26
731	18+250.00	4034602.81	256622.79
732	18+275.00	4034581.05	256610.50
733	18+300.00	4034561.66	256595.02
734	18+325.00	4034538.26	256586.60
735	18+350.00	4034514.97	256577.85
736	18+375.00	4034491.48	256569.62
737	18+400.00	4034470.49	256556.06
738	18+425.00	4034448.31	256544.53

Project Director (PIU)
 Provincial Road Development Project
 Peshawar.

JV
 International Ltd.
 Engineering Consultants

 <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. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		c	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA
		d			DRAWN INAM ULLAH			DATE:	
		e			CHECKED S.DURRANI			AUG, 2024	
f			APPROVED AQEEL YOUNIS	DWG NO: CEC/KP-RRDP/MIN-CHT-6/CLD 02a					

CENTER LINE DATA			
S:No	Station	Northing	Easting
739	18+450.00	4034428.02	256529.99
740	18+475.00	4034413.60	256509.65
741	18+500.00	4034395.93	256492.35
742	18+525.00	4034380.37	256473.27
743	18+550.00	4034362.20	256456.14
744	18+575.00	4034345.43	256437.59
745	18+600.00	4034328.88	256418.87
746	18+625.00	4034317.58	256396.66
747	18+650.00	4034302.03	256377.08
748	18+675.00	4034284.56	256359.37
749	18+700.00	4034265.42	256343.36
750	18+725.00	4034248.58	256324.89
751	18+750.00	4034231.74	256306.41
752	18+775.00	4034216.23	256286.84
753	18+800.00	4034204.26	256265.22
754	18+825.00	4034204.52	256240.37
755	18+850.00	4034192.59	256218.88
756	18+875.00	4034171.01	256206.45
757	18+900.00	4034150.42	256192.66
758	18+925.00	4034133.61	256174.16
759	18+950.00	4034117.90	256154.82
760	18+975.00	4034113.90	256130.54
761	19+000.00	4034108.16	256106.76
762	19+025.00	4034088.76	256091.41
763	19+050.00	4034070.19	256075.14
764	19+075.00	4034056.68	256054.11
765	19+100.00	4034042.99	256033.19
766	19+125.00	4034027.73	256013.39
767	19+150.00	4034011.04	255994.83
768	19+175.00	4033993.22	255977.30
769	19+200.00	4033973.79	255961.71
770	19+225.00	4033955.81	255944.53
771	19+250.00	4033939.93	255925.21
772	19+275.00	4033925.61	255904.87
773	19+300.00	4033913.71	255883.08
774	19+325.00	4033900.32	255862.23
775	19+350.00	4033891.48	255838.89
776	19+375.00	4033876.14	255819.17
777	19+400.00	4033860.38	255799.76
778	19+425.00	4033843.25	255781.66
779	19+450.00	4033824.56	255765.11

CENTER LINE DATA			
S:No	Station	Northing	Easting
780	19+475.00	4033807.45	255746.89
781	19+500.00	4033798.15	255724.02
782	19+525.00	4033790.73	255700.15
783	19+550.00	4033782.26	255676.63
784	19+575.00	4033772.75	255653.54
785	19+600.00	4033767.65	255629.18
786	19+625.00	4033760.95	255605.12
787	19+650.00	4033754.05	255581.12
788	19+675.00	4033743.01	255559.21
789	19+700.00	4033733.66	255536.05
790	19+725.00	4033725.00	255512.60
791	19+750.00	4033720.45	255488.04
792	19+775.00	4033716.48	255463.36
793	19+800.00	4033706.97	255441.16
794	19+825.00	4033688.51	255424.73
795	19+850.00	4033674.65	255403.93
796	19+875.00	4033652.18	255400.50
797	19+900.00	4033629.23	255410.41
798	19+925.00	4033606.71	255421.22
799	19+950.00	4033583.24	255428.66
800	19+975.00	4033561.50	255421.53
801	20+000.00	4033566.28	255397.53
802	20+025.00	4033575.62	255374.42
803	20+035.14	4033580.53	255365.54
804	20+060.00	4033541.32	255319.49
805	20+085.00	4033524.48	255303.99
806	20+110.00	4033516.48	255280.42
807	20+135.00	4033507.22	255257.20
808	20+160.00	4033496.89	255234.51
809	20+185.00	4033478.28	255217.87
810	20+210.00	4033459.60	255201.29
811	20+235.00	4033449.65	255178.65
812	20+260.00	4033443.84	255154.36
813	20+285.00	4033443.99	255129.38
814	20+310.00	4033439.76	255105.00
815	20+335.00	4033431.76	255081.37
816	20+360.00	4033428.58	255056.57
817	20+385.00	4033420.64	255033.19
818	20+410.00	4033414.41	255009.13
819	20+435.00	4033403.35	254987.17
820	20+460.00	4033397.30	254962.95

CENTER LINE DATA			
S:No	Station	Northing	Easting
821	20+485.00	4033388.88	254939.41
822	20+510.00	4033380.35	254915.92
823	20+535.00	4033371.38	254892.58
824	20+560.00	4033362.42	254869.24
825	20+585.00	4033353.08	254846.06
826	20+610.00	4033342.72	254823.31
827	20+635.00	4033332.35	254800.55
828	20+660.00	4033321.16	254778.24
829	20+685.00	4033306.35	254758.17
830	20+710.00	4033297.64	254734.78
831	20+735.00	4033286.77	254712.26
832	20+760.00	4033275.96	254689.72
833	20+785.00	4033265.32	254667.10
834	20+810.00	4033254.68	254644.48
835	20+835.00	4033244.00	254621.87
836	20+860.00	4033230.09	254601.14
837	20+885.00	4033213.70	254582.46
838	20+910.00	4033192.48	254569.25
839	20+935.00	4033171.28	254555.99
840	20+960.00	4033151.61	254541.09
841	20+985.00	4033131.38	254526.44
842	21+010.00	4033111.80	254510.93
843	21+035.00	4033094.60	254492.83
844	21+060.00	4033078.08	254474.41
845	21+085.00	4033069.44	254451.14
846	21+110.00	4033059.61	254428.22
847	21+135.00	4033053.03	254404.10
848	21+160.00	4033046.49	254379.97
849	21+185.00	4033037.92	254356.49
850	21+210.00	4033026.73	254334.36
851	21+235.00	4033010.18	254315.68
852	21+260.00	4033000.22	254292.83
853	21+285.00	4032991.84	254269.78
854	21+310.00	4032983.46	254245.73
855	21+335.00	4032979.70	254221.22
856	21+360.00	4032979.31	254196.32
857	21+385.00	4032969.77	254173.25
858	21+410.00	4032959.47	254150.48
859	21+435.00	4032941.27	254133.86
860	21+460.00	4032920.24	254120.34
861	21+485.00	4032899.21	254106.82

Project Director (PIU)
Capital Region Improvement Project
Department Peshawar

Engineering Consultants
JV

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: AUGUST, 2024	DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	SCALE: N.T.S. DATE: AUG, 2024	SHEET CONTENT: CENTER LINE DATA DWG NO: CEC/KP-RRDP/PIU/N-CHT 6/C/LD 02g
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CENTER LINE DATA

S:No	Station	Northing	Easting
862	21+510.00	4032878.18	254093.30
863	21+535.00	4032857.16	254079.78
864	21+560.00	4032836.19	254066.18
865	21+585.00	4032818.31	254048.78
866	21+610.00	4032801.49	254030.29
867	21+635.00	4032778.86	254022.45
868	21+660.00	4032765.54	254008.75
869	21+685.00	4032763.98	253985.49
870	21+710.00	4032751.33	253963.94
871	21+735.00	4032734.36	253945.68
872	21+760.00	4032716.03	253928.68
873	21+785.00	4032694.76	253916.05
874	21+810.00	4032673.17	253904.44
875	21+835.00	4032655.21	253887.20
876	21+860.00	4032638.14	253868.93
877	21+885.00	4032623.24	253848.97
878	21+910.00	4032604.88	253832.41
879	21+935.00	4032591.50	253811.34
880	21+960.00	4032586.23	253786.93
881	21+985.00	4032580.02	253762.74
882	22+010.00	4032572.44	253738.92
883	22+035.00	4032560.04	253717.50
884	22+060.00	4032544.72	253697.78
885	22+085.00	4032530.64	253677.13
886	22+110.00	4032515.34	253657.42
887	22+135.00	4032496.54	253641.00
888	22+160.00	4032483.34	253619.89
889	22+185.00	4032469.28	253599.64
890	22+210.00	4032450.28	253584.33
891	22+235.00	4032443.30	253560.33
892	22+260.00	4032432.80	253537.83
893	22+285.00	4032425.12	253514.26
894	22+310.00	4032409.91	253495.30
895	22+335.00	4032389.91	253480.30
896	22+360.00	4032375.51	253460.06
897	22+385.00	4032364.45	253437.73
898	22+410.00	4032357.98	253413.58
899	22+435.00	4032349.07	253390.44
900	22+460.00	4032335.15	253369.98
901	22+485.00	4032333.28	253345.08
902	22+510.00	4032325.84	253321.40

CENTER LINE DATA

S:No	Station	Northing	Easting
903	22+535.00	4032315.02	253298.86
904	22+560.00	4032302.90	253277.15
905	22+585.00	4032279.74	253269.31
906	22+610.00	4032259.77	253254.90
907	22+635.00	4032244.37	253235.25
908	22+660.00	4032227.11	253217.25
909	22+685.00	4032214.65	253195.63
910	22+710.00	4032208.31	253171.60
911	22+735.00	4032202.08	253148.11
912	22+760.00	4032190.57	253126.02
913	22+785.00	4032183.21	253102.20
914	22+810.00	4032175.10	253078.55
915	22+835.00	4032167.35	253054.79
916	22+860.00	4032159.97	253030.90
917	22+885.00	4032153.18	253006.84
918	22+910.00	4032144.57	252983.42
919	22+935.00	4032133.80	252960.86
920	22+960.00	4032123.95	252937.90
921	22+985.00	4032116.35	252914.09
922	23+010.00	4032108.75	252890.27
923	23+035.00	4032102.53	252866.10
924	23+060.00	4032095.95	252842.47
925	23+085.00	4032075.51	252828.40
926	23+110.00	4032062.95	252807.48
927	23+135.00	4032053.90	252784.27
928	23+160.00	4032040.61	252763.33
929	23+185.00	4032039.73	252738.40
930	23+210.00	4032027.32	252717.48
931	23+235.00	4032012.58	252697.59
932	23+260.00	4031996.50	252678.60
933	23+285.00	4031990.24	252654.88
934	23+310.00	4031999.63	252632.05
935	23+335.00	4032011.70	252610.20
936	23+360.00	4032022.99	252587.93
937	23+385.00	4032043.04	252573.22
938	23+410.00	4032056.92	252552.55
939	23+435.00	4032071.19	252532.03
940	23+460.00	4032081.87	252510.02
941	23+485.00	4032073.07	252486.75
942	23+510.00	4032071.71	252462.03
943	23+535.00	4032076.56	252437.63

CENTER LINE DATA

S:No	Station	Northing	Easting
944	23+560.00	4032065.87	252415.51
945	23+585.00	4032064.12	252391.27
946	23+610.00	4032062.84	252366.59
947	23+635.00	4032057.41	252342.22
948	23+660.00	4032054.46	252317.44
949	23+685.00	4032044.16	252294.74
950	23+710.00	4032024.86	252278.96
951	23+735.00	4032012.07	252257.69
952	23+760.00	4031992.67	252242.69
953	23+785.00	4031971.22	252231.11
954	23+810.00	4031961.48	252209.39
955	23+835.00	4031948.70	252188.42
956	23+860.00	4031937.74	252166.05
957	23+885.00	4031922.46	252146.36
958	23+910.00	4031901.96	252132.09
959	23+935.00	4031879.71	252120.71
960	23+960.00	4031857.36	252109.51
961	23+985.00	4031834.39	252099.63
962	24+010.00	4031810.80	252091.43
963	24+035.00	4031786.73	252084.69
964	24+060.00	4031762.72	252077.74
965	24+085.00	4031738.45	252071.91
966	24+110.00	4031714.20	252065.90
967	24+135.00	4031690.67	252057.49
968	24+160.00	4031667.33	252048.54
969	24+185.00	4031645.56	252036.35
970	24+210.00	4031627.61	252019.01
971	24+235.00	4031622.39	251995.07
972	24+260.00	4031620.36	251970.19
973	24+285.00	4031615.74	251945.66
974	24+310.00	4031621.57	251921.42
975	24+335.00	4031620.99	251896.78
976	24+360.00	4031615.39	251872.50
977	24+385.00	4031608.11	251848.76
978	24+410.00	4031598.71	251825.63
979	24+435.00	4031596.82	251800.75
980	24+460.00	4031592.27	251776.18
981	24+485.00	4031588.46	251751.51
982	24+510.00	4031583.20	251727.13
983	24+535.00	4031583.94	251702.26
984	24+560.00	4031593.25	251679.08

Handwritten signature and stamp of the Director (PIU) for the Rural Road Development Project (KP-RRDP).

Handwritten signature of the project engineer or consultant.



<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	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA
		b			DRAWN IRAM ULLAH				DATE:	
		c			CHECKED S.DURRANI				AUG, 2024.	
d			APPROVED AQEEL YOUNIS	DWG NO. CEC/KP-RRDP/PIU/N-CHT-6/CLD 02h						

CENTER LINE DATA

S:No	Station	Northing	Easting
985	24+585.00	4031595.20	251654.55
986	24+610.00	4031590.36	251630.07
987	24+635.00	4031582.92	251606.24
988	24+660.00	4031571.83	251583.84
989	24+685.00	4031563.57	251560.26
990	24+710.00	4031556.86	251536.21
991	24+735.00	4031547.71	251512.94
992	24+760.00	4031545.91	251488.19
993	24+785.00	4031537.70	251464.64
994	24+810.00	4031527.79	251441.68
995	24+835.00	4031518.43	251418.51
996	24+860.00	4031507.29	251396.17
997	24+885.00	4031492.81	251375.95
998	24+910.00	4031479.80	251354.88
999	24+935.00	4031469.45	251332.13
1000	24+960.00	4031460.48	251308.86
1001	24+985.00	4031454.51	251284.59
1002	25+010.00	4031442.98	251262.44
1003	25+035.00	4031432.75	251239.86
1004	25+060.00	4031424.40	251216.58
1005	25+085.00	4031416.86	251192.87
1006	25+110.00	4031406.72	251170.31
1007	25+135.00	4031395.15	251148.31
1008	25+160.00	4031386.56	251124.83
1009	25+185.00	4031384.90	251100.37
1010	25+210.00	4031379.37	251076.32
1011	25+235.00	4031371.90	251052.54
1012	25+260.00	4031367.95	251028.12
1013	25+285.00	4031386.13	251012.16
1014	25+310.00	4031397.76	250990.20
1015	25+335.00	4031381.31	250973.73
1016	25+360.00	4031385.93	250952.25
1017	25+385.00	4031383.51	250927.71
1018	25+410.00	4031373.92	250905.80
1019	25+435.00	4031356.28	250888.75
1020	25+460.00	4031345.06	250866.41
1021	25+485.00	4031333.93	250844.02
1022	25+510.00	4031322.15	250821.98
1023	25+535.00	4031309.45	250800.45
1024	25+560.00	4031295.33	250779.87
1025	25+585.00	4031276.83	250763.15
1026	25+610.00	4031254.77	250751.79

CENTER LINE DATA

S:No	Station	Northing	Easting
1027	25+635.00	4031231.74	250742.20
1028	25+660.00	4031211.02	250728.24
1029	25+685.00	4031188.21	250718.15
1030	25+710.00	4031173.27	250698.41
1031	25+735.00	4031162.05	250676.14
1032	25+760.00	4031153.91	250652.51
1033	25+785.00	4031147.98	250628.34
1034	25+810.00	4031148.10	250603.34
1035	25+835.00	4031146.81	250578.46
1036	25+860.00	4031135.90	250556.07
1037	25+885.00	4031123.00	250534.66
1038	25+910.00	4031110.44	250513.07
1039	25+935.00	4031099.90	250490.40
1040	25+960.00	4031088.25	250468.38
1041	25+985.00	4031067.26	250455.49
1042	26+010.00	4031049.10	250438.83
1043	26+035.00	4031033.26	250419.49
1044	26+060.00	4031017.05	250400.46
1045	26+085.00	4031000.26	250381.96
1046	26+110.00	4030980.07	250367.25
1047	26+135.00	4030959.08	250353.70
1048	26+160.00	4030936.51	250342.95
1049	26+185.00	4030912.48	250336.35
1050	26+210.00	4030887.58	250334.28
1051	26+235.00	4030863.36	250328.15
1052	26+260.00	4030839.71	250320.13
1053	26+285.00	4030817.20	250309.26
1054	26+310.00	4030796.95	250294.68
1055	26+335.00	4030776.97	250279.65
1056	26+360.00	4030757.84	250263.68
1057	26+385.00	4030746.42	250241.50
1058	26+410.00	4030735.60	250218.97
1059	26+435.00	4030723.19	250197.27
1060	26+460.00	4030710.96	250175.47
1061	26+485.00	4030704.15	250151.52
1062	26+510.00	4030698.53	250127.19
1063	26+535.00	4030689.67	250103.96
1064	26+560.00	4030678.68	250081.54
1065	26+585.00	4030668.03	250058.93
1066	26+610.00	4030657.79	250036.13
1067	26+635.00	4030649.95	250012.50

CENTER LINE DATA

S:No	Station	Northing	Easting
1068	26+660.00	4030640.41	249989.56
1069	26+685.00	4030629.07	249967.31
1070	26+710.00	4030624.93	249942.71
1071	26+735.00	4030616.54	249919.16
1072	26+760.00	4030607.96	249895.68
1073	26+785.00	4030598.24	249872.69
1074	26+810.00	4030586.05	249850.86
1075	26+835.00	4030571.03	249831.15
1076	26+860.00	4030557.77	249810.27
1077	26+885.00	4030546.57	249787.96
1078	26+910.00	4030526.16	249774.10
1079	26+935.00	4030514.66	249752.02
1080	26+960.00	4030501.12	249731.01
1081	26+985.00	4030494.57	249707.10
1082	27+010.00	4030496.33	249682.18
1083	27+035.00	4030496.85	249657.34
1084	27+060.00	4030486.42	249634.65
1085	27+085.00	4030470.71	249615.35
1086	27+110.00	4030454.81	249596.29
1087	27+135.00	4030434.75	249582.14
1088	27+160.00	4030416.74	249565.44
1089	27+185.00	4030397.79	249549.13
1090	27+210.00	4030379.96	249531.74
1091	27+235.00	4030366.44	249510.70
1092	27+260.00	4030353.76	249489.19
1093	27+285.00	4030342.21	249467.09
1094	27+310.00	4030323.79	249450.29
1095	27+335.00	4030304.31	249434.62
1096	27+360.00	4030283.39	249420.97
1097	27+385.00	4030266.41	249402.81
1098	27+410.00	4030258.13	249379.26
1099	27+435.00	4030247.03	249356.94
1100	27+460.00	4030233.42	249336.03
1101	27+485.00	4030214.37	249319.90
1102	27+510.00	4030199.08	249300.23
1103	27+535.00	4030190.01	249277.02
1104	27+560.00	4030183.97	249252.77
1105	27+585.00	4030173.06	249230.29
1106	27+610.00	4030168.57	249205.90
1107	27+635.00	4030162.33	249182.12
1108	27+660.00	4030150.55	249160.19

Project Director (PIU)
 Highway Department Peshawar

JV
 International Co.
 Engineering Consultants

 <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: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: CENTER LINE DATA DWG NO: CEC/KP-RRDP/WHN-NCHT-8/CLD/03	
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED			REHMAT		N.T.3
		b			DRAWN			INAM ULLAH		DATE:
		c			CHECKED			S.DURRANI		AUG, 2024
					APPROVED	ACEEL YOUNIS				

CENTER LINE DATA

S:No	Station	Northing	Easting
1109	27+685.00	4030141.64	249136.83
1110	27+710.00	4030125.92	249118.07
1111	27+735.00	4030112.10	249097.95
1112	27+760.00	4030100.35	249076.09
1113	27+785.00	4030078.09	249067.49
1114	27+810.00	4030055.13	249061.39
1115	27+835.00	4030037.58	249043.59
1116	27+860.00	4030021.01	249024.97
1117	27+885.00	4030008.38	249003.41
1118	27+910.00	4029992.56	248984.05
1119	27+935.00	4029981.68	248961.90
1120	27+960.00	4029974.99	248937.81
1121	27+985.00	4029970.06	248913.31
1122	28+010.00	4029960.97	248890.10
1123	28+035.00	4029950.67	248867.32
1124	28+060.00	4029939.51	248844.97
1125	28+085.00	4029926.01	248823.93
1126	28+110.00	4029914.05	248802.04
1127	28+135.00	4029902.52	248779.90
1128	28+160.00	4029886.87	248760.42
1129	28+185.00	4029870.97	248741.13
1130	28+210.00	4029857.72	248719.99
1131	28+235.00	4029847.03	248697.41
1132	28+260.00	4029833.60	248676.38
1133	28+285.00	4029822.13	248654.18
1134	28+310.00	4029803.19	248638.11
1135	28+335.00	4029785.65	248620.30
1136	28+360.00	4029768.49	248602.15
1137	28+385.00	4029749.71	248586.36
1138	28+410.00	4029728.05	248573.88
1139	28+435.00	4029706.40	248561.39
1140	28+460.00	4029686.95	248546.05
1141	28+485.00	4029670.82	248526.96
1142	28+510.00	4029656.59	248506.51
1143	28+535.00	4029644.89	248484.42
1144	28+560.00	4029640.43	248460.80
1145	28+585.00	4029641.60	248436.24
1146	28+610.00	4029645.89	248411.86
1147	28+635.00	4029625.19	248404.09
1148	28+660.00	4029626.37	248386.84
1149	28+685.00	4029618.81	248367.51

CENTER LINE DATA

S:No	Station	Northing	Easting
1150	28+710.00	4029595.57	248358.29
1151	28+735.00	4029571.90	248350.54
1152	28+760.00	4029546.94	248351.53
1153	28+785.00	4029522.57	248346.71
1154	28+810.00	4029499.74	248336.56
1155	28+835.00	4029479.52	248321.89
1156	28+860.00	4029461.82	248304.24
1157	28+885.00	4029457.17	248281.06
1158	28+910.00	4029446.49	248259.02
1159	28+935.00	4029431.50	248239.05
1160	28+960.00	4029415.11	248220.16
1161	28+985.00	4029398.05	248201.91
1162	29+010.00	4029379.49	248185.17
1163	29+035.00	4029362.37	248167.10
1164	29+060.00	4029344.53	248149.62
1165	29+085.00	4029326.40	248132.40
1166	29+110.00	4029308.76	248114.72
1167	29+135.00	4029294.21	248094.41
1168	29+160.00	4029278.13	248075.27
1169	29+185.00	4029261.41	248056.86
1170	29+210.00	4029250.04	248034.76
1171	29+235.00	4029239.28	248012.62
1172	29+260.00	4029224.38	247994.04
1173	29+285.00	4029201.61	247985.32
1174	29+310.00	4029178.72	247977.44
1175	29+335.00	4029154.10	247978.73
1176	29+360.00	4029130.92	247987.66
1177	29+385.00	4029113.50	247972.31
1178	29+410.00	4029102.66	247949.81
1179	29+435.00	4029087.71	247929.78
1180	29+460.00	4029072.58	247909.88
1181	29+485.00	4029057.41	247890.00
1182	29+510.00	4029037.87	247874.57
1183	29+535.00	4029018.18	247859.24
1184	29+560.00	4028999.59	247842.53
1185	29+585.00	4028977.66	247830.64
1186	29+610.00	4028961.46	247811.73
1187	29+635.00	4028948.25	247790.51
1188	29+660.00	4028936.14	247768.67
1189	29+685.00	4028920.83	247749.26
1190	29+710.00	4028906.01	247729.53

CENTER LINE DATA

S:No	Station	Northing	Easting
1191	29+735.00	4028885.49	247715.91
1192	29+760.00	4028867.19	247698.88
1193	29+785.00	4028851.95	247679.28
1194	29+810.00	4028840.83	247656.91
1195	29+835.00	4028830.43	247634.18
1196	29+860.00	4028821.96	247610.71
1197	29+885.00	4028807.10	247591.35
1198	29+910.00	4028790.28	247572.90
1199	29+935.00	4028778.61	247550.85
1200	29+960.00	4028770.56	247527.25
1201	29+985.00	4028760.76	247504.30
1202	29+986.23	4028760.22	247503.20

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	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA
		b			DRAWN INAM ULLAH				DATE:	
		c			CHECKED S.DURRANI				AUG, 2024.	
			APPROVED AQEEL YOUNIS	DWG NO: CEC/KP-RRDP/RWN-CHT-6/CLD 03						

HORIZONTAL CURVE DATA



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+029.10	264023.6997	4028439.6803	0+022.86	264022.0460	4028445.6925	0+035.28	264026.6945	4028434.2110	53.39	12.41	6.236	13.3234	S02° 02' 29.08"E
C2	0+051.46	264034.4667	4028420.0166	0+043.60	264030.6944	4028426.9059	0+059.18	264035.9161	4028412.2971	49.40	15.58	7.854	18.0685	S19° 40' 07.76"E
C3	0+155.90	264053.7652	4028317.2388	0+064.61	264040.6093	4028387.3027	0+096.39	264033.0763	4028385.4590	3.88	11.78	71.288	173.7638	S76° 14' 50.47"W
C4	0+114.97	264027.6846	4028403.2381	0+107.81	264029.7628	4028396.3852	0+119.83	264020.5528	4028402.5898	8.79	12.02	7.161	78.3233	N56° 01' 56.64"W
C5	0+192.78	263947.9045	4028395.9859	0+182.35	263958.2897	4028396.9299	0+199.32	263945.8974	4028406.2189	11.56	16.97	10.428	84.0969	N53° 08' 44.16"W
C6	0+227.56	263940.4620	4028433.9307	0+216.40	263942.6097	4028422.9807	0+237.09	263930.4071	4028438.7694	22.28	20.69	11.159	53.2047	N37° 41' 58.11"W
C7	0+251.08	263917.6021	4028444.8353	0+245.26	263923.0490	4028442.3104	0+256.61	263914.6205	4028449.7121	20.87	11.36	5.823	31.1820	N48° 42' 38.96"W
C8	0+271.13	263906.6908	4028461.8672	0+264.81	263910.1431	4028456.5753	0+276.42	263900.3732	4028461.9731	11.90	11.62	6.318	55.9200	N61° 04' 47.42"W
C9	0+292.30	263884.5009	4028462.2391	0+287.95	263888.8495	4028462.1662	0+296.41	263880.8815	4028464.6505	14.82	8.46	4.349	32.7132	N72° 40' 59.61"W
C10	0+306.27	263872.6725	4028470.1197	0+301.12	263876.9603	4028467.2630	0+311.35	263869.3975	4028474.0972	34.77	10.23	5.152	16.8593	N47° 53' 48.94"W
C11	0+377.93	263827.0777	4028525.4950	0+364.98	263835.3058	4028515.5020	0+386.47	263815.8661	4028519.0251	15.29	21.48	12.945	80.5208	N79° 43' 39.54"W
C12	0+401.11	263803.1801	4028511.7044	0+396.20	263807.4396	4028514.1624	0+405.99	263798.4714	4028510.2857	42.44	9.79	4.918	13.2207	S86° 37' 20.25"W
C13	0+437.70	263768.1040	4028501.1361	0+432.00	263773.5657	4028502.7816	0+443.06	263764.5359	4028496.6856	18.36	11.06	5.704	34.5121	S55° 58' 35.75"W
C14	0+468.64	263748.5332	4028476.7257	0+461.72	263752.8675	4028482.1318	0+475.46	263742.7551	4028472.9013	44.30	13.75	6.929	17.7799	S47° 36' 37.81"W
C15	0+514.01	263710.6071	4028451.6233	0+504.48	263718.5567	4028456.8850	0+516.20	263709.7868	4028461.1211	5.66	11.72	9.533	118.5634	N64° 13' 04.27"W
C16	0+548.30	263707.0247	4028493.1028	0+539.30	263707.7997	4028484.1289	0+557.25	263704.4383	4028501.7307	87.53	17.95	9.007	11.7510	N10° 48' 41.86"W
C17	0+571.15	263700.4468	4028515.0458	0+562.02	263703.0663	4028506.3073	0+579.30	263692.3726	4028519.2923	21.72	17.27	9.123	45.5724	N39° 28' 23.86"W
C18	0+585.12	263687.2187	4028522.0027	0+579.71	263692.0093	4028519.4832	0+590.47	263681.9268	4028523.1406	39.50	10.76	5.413	15.6048	N70° 03' 42.84"W
C19	0+609.60	263663.2256	4028527.1620	0+603.40	263669.2811	4028525.8599	0+613.20	263664.4064	4028533.2424	6.32	9.80	6.194	88.8549	N33° 26' 12.82"W
C20	0+641.91	263669.8801	4028561.4267	0+638.50	263669.2292	4028558.0755	0+644.28	263673.2910	4028561.5687	4.32	5.78	3.414	76.8247	N49° 18' 10.41"E
C21	0+660.74	263680.7362	4028562.2536	0+656.04	263685.0466	4028562.0583	0+665.40	263694.3159	4028563.2819	52.23	9.36	4.694	10.2702	N82° 28' 48.61"E
C22	0+703.82	263731.7933	4028571.6968	0+685.98	263714.3876	4028567.7886	0+719.34	263739.9224	4028587.5761	36.05	33.36	17.839	50.2360	N52° 13' 37.25"E
C23	0+736.01	263747.5204	4028602.4183	0+730.82	263745.1540	4028597.7957	0+741.19	263750.4758	4028606.6883	78.40	10.37	5.193	7.5793	N30° 53' 55.25"E
C24	0+780.83	263761.5370	4028622.6695	0+748.06	263754.3863	4028612.3382	0+772.93	263764.6782	4028634.8351	70.50	24.87	12.565	20.2103	N24° 34' 59.40"E
C25	0+807.21	263773.2480	4028668.0245	0+793.74	263769.8800	4028654.9809	0+819.46	263766.9989	4028679.9587	34.99	25.72	13.471	42.1157	N6° 34' 47.37"W
C26	0+845.15	263755.0773	4028702.7262	0+840.35	263757.3080	4028698.4661	0+849.81	263754.8942	4028707.5315	21.29	9.46	4.809	25.4550	N14° 54' 36.52"W
C27	0+856.72	263754.8307	4028714.4434	0+852.67	263754.7851	4028710.3923	0+860.69	263753.0573	4028718.1797	22.25	8.02	4.054	20.6547	N12° 30' 35.85"W
C28	0+880.54	263745.3519	4028736.4767	0+874.31	263747.7697	4028730.7354	0+886.64	263741.0996	4028741.0292	34.96	12.33	6.230	20.2095	N32° 56' 31.30"W
C29	0+906.36	263727.6403	4028755.4390	0+898.08	263733.2946	4028749.3854	0+913.96	263727.2293	4028763.7124	22.63	15.88	8.284	40.2032	N22° 56' 42.69"W
C30	0+965.75	263724.6598	4028815.4425	0+945.10	263725.6844	4028794.8165	0+977.79	263704.0165	4028814.8629	21.10	32.69	20.651	88.7647	N47° 13' 33.43"W
C31	0+988.55	263693.2572	4028814.5608	0+979.10	263702.7057	4028814.8261	0+995.96	263688.9698	4028822.9848	14.94	16.86	9.452	64.8338	N59° 17' 29.09"W
C32	1+010.27	263682.4790	4028835.7376	1+004.68	263685.0152	4028830.7546	1+015.45	263677.4175	4028838.1136	16.29	10.77	5.591	37.8791	N45° 54' 50.77"W
C33	1+038.25	263656.7818	4028847.8004	1+033.28	263661.2767	4028845.6904	1+042.83	263651.9544	4028846.6372	14.14	9.55	4.966	38.6940	N84° 12' 02.40"W
C34	1+068.58	263626.9439	4028840.6107	1+058.93	263636.2997	4028842.8651	1+076.47	263620.1416	4028847.4182	17.16	17.54	9.624	58.5694	N74° 15' 46.59"W
C35	1+089.03	263611.2703	4028856.2963	1+088.49	263611.6452	4028855.9211	1+089.50	263610.7398	4028856.2952	1.28	1.01	0.530	45.1417	N67° 32' 58.63"W
C36	1+108.80	263591.4438	4028856.2548	1+099.86	263600.3827	4028856.2735	1+117.08	263584.3768	4028861.7285	26.05	17.22	8.939	37.8790	N71° 10' 49.54"W
C37	1+127.04	263576.5058	4028867.8249	1+123.26	263579.4907	4028865.5129	1+130.71	263572.8654	4028868.8263	19.09	7.45	3.776	22.3783	N63° 25' 45.45"W
C38	1+141.86	263562.1170	4028871.7830	1+137.15	263566.6607	4028870.5331	1+146.48	263558.2876	4028874.5292	26.37	9.33	4.712	20.2654	N64° 29' 11.71"W
C39	1+175.86	263534.4114	4028891.6520	1+158.28	263548.6976	4028881.4067	1+173.15	263551.9813	4028892.2507	5.98	14.87	17.580	142.4023	N16° 50' 50.24"E
C40	1+183.72	263562.5473	4028892.6107	1+183.52	263562.3470	4028892.6039	1+183.92	263562.7437	4028892.5710	1.71	0.40	0.200	13.3675	S85° 16' 04.06"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	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN: INAM ULLAH				DATE:	
		c			CHECKED: S.DURRANI				AUG, 2024.	
d			APPROVED: AQEEL YOUSUF	DWG NO: CEC/KP-RRDP/RRN-CHT-6/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
C41	1+207.92	263586.2663	4028887.8212	1+202.55	263581.0076	4028888.8831	1+213.26	263591.6250	4028887.5644	70.76	10.71	5.365	8.6717	S82° 55' 11.52"E
C42	1+242.89	263621.2147	4028886.1460	1+226.93	263605.2781	4028886.9100	1+245.28	263612.9200	4028899.7777	8.47	18.35	15.957	124.0641	N30° 42' 44.03"E
C43	1+259.38	263605.5905	4028911.8232	1+251.92	263609.4652	4028905.4554	1+266.69	263604.0418	4028919.1145	43.77	14.77	7.454	19.3279	N21° 39' 21.15"W
C44	1+310.40	263594.9605	4028961.8685	1+305.50	263595.9781	4028957.0777	1+314.54	263590.4631	4028963.8080	9.47	9.04	4.898	54.6803	N39° 19' 55.39"W
C45	1+330.88	263575.4549	4028970.2802	1+323.35	263582.3699	4028967.2981	1+336.71	263575.3629	4028977.8102	11.60	13.36	7.531	65.9721	N33° 41' 10.05"W
C46	1+348.35	263575.2207	4028989.4508	1+343.55	263575.2794	4028984.6430	1+353.12	263576.1936	4028994.1595	44.35	9.58	4.808	12.3742	N5° 29' 13.33"E
C47	1+375.67	263580.7563	4029016.2424	1+370.55	263579.7196	4029011.2249	1+380.75	263582.9366	4029020.8787	43.25	10.20	5.123	13.5122	N18° 25' 48.90"E
C48	1+417.01	263598.3666	4029053.6893	1+402.59	263592.2330	4029040.6466	1+426.12	263586.0892	4029061.2390	16.12	23.52	14.413	83.5980	N16° 36' 45.48"W
C49	1+437.21	263576.6419	4029067.0484	1+433.58	263579.7322	4029065.1481	1+440.59	263575.2808	4029070.4113	11.04	7.01	3.628	36.3770	N40° 13' 23.30"W
C50	1+460.07	263567.9725	4029088.4685	1+452.93	263570.6525	4029081.8469	1+464.66	263561.0571	4029086.6786	8.15	11.73	7.143	82.4767	N63° 16' 22.97"W
C51	1+482.78	263543.5090	4029082.1366	1+472.33	263553.6307	4029084.7564	1+492.66	263533.5901	4029085.4427	35.36	20.33	10.455	32.9456	N88° 02' 19.01"W
C52	1+534.92	263493.4956	4029098.8069	1+514.03	263513.3163	4029092.2003	1+531.43	263513.3141	4029105.4202	6.97	17.40	20.893	143.1125	N0° 00' 34.60"W
C53	1+549.34	263530.3055	4029111.0901	1+543.38	263524.6460	4029109.2016	1+555.28	263535.5168	4029113.9947	63.83	11.90	5.966	10.6807	N66° 12' 22.58"E
C54	1+578.92	263556.1675	4029125.5048	1+573.99	263551.8599	4029123.1039	1+583.71	263561.0788	4029125.9526	23.28	9.72	4.932	23.9245	N72° 49' 41.43"E
C55	1+603.62	263580.9148	4029127.7612	1+594.35	263571.6755	4029126.9188	1+608.56	263579.4589	4029136.9239	8.68	14.21	9.278	93.8184	N37° 52' 52.32"E
C56	1+618.63	263577.8781	4029146.8730	1+613.53	263578.6788	4029141.8337	1+623.44	263574.4068	4029150.6127	16.77	9.91	5.103	33.8412	N25° 56' 54.99"W
C57	1+634.83	263586.8569	4029158.9616	1+625.73	263572.8482	4029152.2917	1+640.93	263572.0606	4029166.2842	10.98	15.20	9.101	79.2950	N3° 13' 18.11"W
C58	1+664.46	263586.0317	4029185.2163	1+659.97	263583.3658	4029181.6038	1+668.93	263588.2111	4029189.1414	69.57	8.97	4.490	7.3848	N32° 44' 00.28"E
C59	1+698.37	263602.5012	4029214.8779	1+692.34	263599.5757	4029209.6091	1+703.86	263601.2009	4029220.7624	15.91	11.52	6.026	41.5012	N8° 17' 25.45"E
C60	1+716.91	263598.3865	4029233.4992	1+708.58	263600.1836	4029225.3665	1+722.01	263606.3593	4029235.9086	8.99	13.43	8.329	85.6454	N30° 21' 44.96"E
C61	1+736.92	263620.6325	4029240.2220	1+732.00	263615.9173	4029238.7970	1+741.82	263624.9892	4029242.5205	51.15	9.82	4.926	11.0009	N67° 41' 04.97"E
C62	1+763.18	263643.8817	4029252.4880	1+758.06	263639.3529	4029250.0987	1+768.30	263648.5710	4029254.5445	141.80	10.24	5.120	4.1362	N64° 15' 08.43"E
C63	1+810.62	263687.3354	4029271.5444	1+803.48	263680.7902	4029268.6740	1+816.97	263689.7258	4029278.2797	16.52	13.49	7.147	46.7803	N42° 55' 49.28"E
C64	1+864.55	263705.6416	4029323.1246	1+858.18	263703.5084	4029317.1139	1+870.89	263708.9362	4029328.5857	63.00	12.71	8.378	11.5616	N25° 19' 15.49"E
C65	1+879.11	263713.1822	4029335.6239	1+874.94	263711.0299	4029332.0563	1+883.26	263714.7289	4029339.4928	51.17	8.31	4.167	9.3111	N25° 26' 46.49"E
C66	1+910.96	263725.0121	4029365.2146	1+903.82	263722.3637	4029358.5901	1+917.96	263729.6988	4029370.5934	42.01	14.13	7.134	19.2762	H31° 25' 43.71"E
C67	1+929.14	263737.0457	4029379.0251	1+923.87	263733.5801	4029375.0478	1+934.34	263739.2522	4029383.8167	36.74	10.48	5.275	16.3406	N32° 53' 47.73"E
C68	1+967.42	263753.0887	4029413.8631	1+954.70	263747.8050	4029402.3894	1+978.34	263747.4132	4029425.1482	26.23	23.54	12.632	51.4252	H0° 59' 10.72"W
C69	1+997.96	263738.5977	4029442.6766	1+990.81	263741.8090	4029436.2915	2+005.06	263734.2597	4029448.3567	76.53	14.25	7.147	10.6708	N32° 02' 03.47"W
C70	2+092.22	263681.3600	4029517.6226	2+082.93	263686.9993	4029510.2386	2+100.52	263672.1371	4029518.7476	22.06	17.59	9.291	45.6758	N60° 12' 27.28"W
C71	2+122.88	263650.1324	4029521.4317	2+103.47	263669.2057	4029519.1052	2+138.18	263642.9684	4029539.2609	32.52	34.71	19.215	61.1545	N52° 28' 05.58"W
C72	2+152.81	263637.5143	4029552.8346	2+146.73	263639.7783	4029547.2002	2+158.80	263633.8138	4029557.6489	44.17	12.07	6.072	15.6563	N29° 43' 08.92"W
C73	2+169.81	263627.1088	4029566.3722	2+165.22	263629.9060	4029562.7330	2+174.36	263625.0924	4029570.4955	45.63	9.15	4.590	11.4886	N31° 48' 10.78"W
C74	2+206.57	263610.0673	4029601.2218	2+199.46	263614.0672	4029593.0419	2+217.48	263609.1858	4029610.2846	50.35	18.02	9.106	20.5033	N15° 48' 25.32"W
C75	2+229.18	263608.0534	4029621.9271	2+224.51	263608.5048	4029617.2874	2+233.39	263610.8933	4029625.6238	11.81	8.88	4.662	43.0878	N15° 59' 18.57"E
C76	2+260.96	263627.8884	4029647.4861	2+252.80	263622.7145	4029641.0115	2+263.44	263631.6871	4029640.3677	5.39	10.64	8.165	113.1434	S85° 53' 45.30"E
C77	2+280.58	263640.0804	4029625.4258	2+274.71	263637.2083	4029630.5387	2+286.40	263643.9463	4029621.0159	56.20	11.69	5.864	11.9153	S35° 16' 54.82"E
C78	2+300.61	263653.3120	4029610.3324	2+295.66	263650.0532	4029614.0497	2+305.54	263656.1071	4029606.2549	83.10	9.88	4.944	6.8091	S37° 50' 05.73"E
C79	2+333.04	263671.8579	4029583.5894	2+313.83	263660.7953	4029589.4157	2+349.05	263690.8651	4029583.9945	35.50	35.22	19.212	58.8373	S62° 50' 56.58"E
C80	2+379.97	263721.7707	4029584.6784	2+358.60	263700.4108	4029584.2057	2+399.77	263738.9431	4029571.9671	62.44	41.17	21.365	37.7771	S72° 22' 44.92"E



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



<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:	
		c	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		d			DRAWN	INAM ULLAH				
		e			CHECKED	S.DURRANI				
		f			APPROVED	AQEEL YOUNIS				
						FLOOD AFFECTED ROAD				
							AUG, 2024		DWG NO: CECRP-RRDP/RRN-CHT-6/HCD-02	

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	2+435.01	263787.2703	4029550.9989	2+429.14	263782.5493	4029554.4934	2+440.80	263773.1175	4029550.4415	21.13	11.48	5.874	31.0846	S69° 01' 20.34"E
C82	2+446.92	263779.4123	4029549.8415	2+442.35	263774.8645	4029550.2750	2+451.41	263783.6000	4029548.0159	28.67	9.06	4.568	18.1101	S75° 30' 00.50"E
C83	2+461.63	263792.9641	4029543.9336	2+454.53	263786.4583	4029546.7698	2+468.52	263800.0608	4029544.0080	33.17	13.98	7.097	24.1554	S78° 31' 22.16"E
C84	2+482.91	263814.4500	4029544.1688	2+473.18	263804.7238	4029544.0568	2+491.93	263822.2321	4029538.3237	28.68	18.76	9.727	37.4634	S71° 52' 07.71"E
C85	2+542.96	263883.0586	4029507.7116	2+513.74	263839.6754	4029525.2446	2+559.09	263879.8130	4029531.5589	28.28	45.35	29.226	91.8849	N80° 55' 13.80"E
C86	2+579.39	263891.4485	4029548.2897	2+573.73	263888.2074	4029543.6572	2+584.30	263898.2142	4029551.3316	28.46	11.16	5.654	22.4725	N46° 12' 51.29"E
C87	2+610.44	263917.7436	4029565.0735	2+603.02	263911.4914	4029561.0828	2+617.84	263924.3330	4029568.4789	162.72	14.82	7.417	5.2197	N60° 03' 37.39"E
C88	2+657.86	263959.8838	4029586.8514	2+652.85	263955.4327	4029584.5511	2+662.16	263960.7644	4029591.7837	10.15	9.31	5.010	52.5477	N36° 23' 47.08"E
C89	2+697.67	263967.0060	4029626.7445	2+684.17	263964.6321	4029613.4478	2+710.65	263975.3042	4029637.4021	54.62	26.48	13.507	27.7824	N24° 00' 49.53"E
C90	2+737.58	263991.8495	4029658.6517	2+731.96	263988.3961	4029654.2164	2+743.17	263996.0457	4029662.3920	61.87	11.21	5.621	10.3825	N43° 05' 46.32"E
C91	2+760.55	264009.0194	4029673.9562	2+754.14	264004.2348	4029669.6915	2+766.89	264012.5806	4029679.2852	50.26	12.75	6.409	14.5336	N41° 01' 14.42"E
C92	2+791.23	264026.1065	4029699.5251	2+785.16	264022.7318	4029694.4752	2+797.20	264030.9064	4029703.2489	37.38	12.04	6.074	18.4568	N42° 58' 56.27"E
C93	2+810.96	264041.7761	4029711.6750	2+804.09	264038.3471	4029707.4655	2+817.47	264044.1371	4029718.1265	23.87	13.38	6.870	32.1095	N36° 09' 21.45"E
C94	2+881.40	264066.1115	4029778.1704	2+875.21	264063.9845	4029772.3583	2+887.36	264065.3364	4029784.3108	25.49	12.14	6.189	27.2957	N6° 27' 12.06"E
C95	2+909.18	264062.6041	4029805.9564	2+904.14	264063.2344	4029800.9629	2+913.99	264064.5109	4029810.6143	19.15	9.84	5.033	29.4578	N7° 32' 03.86"E
C96	2+925.75	264068.9668	4029821.4987	2+920.98	264067.1610	4029817.0876	2+930.45	264069.4980	4029826.2355	34.21	9.47	4.766	15.8642	N14° 19' 52.34"E
C97	2+972.20	264074.1507	4029867.7210	2+965.07	264073.3563	4029860.6378	2+979.24	264076.7679	4029874.3508	53.62	14.17	7.128	15.1430	N13° 58' 14.05"E
C98	3+004.79	264086.1485	4029898.1137	2+998.81	264083.9534	4029892.5532	3+010.40	264084.8029	4029903.9383	19.22	11.59	5.978	34.5502	N4° 16' 01.02"E
C99	3+028.89	264080.6421	4029921.9491	3+017.98	264083.0966	4029911.3241	3+038.62	264086.5345	4029931.1250	25.87	20.64	10.905	45.7154	N9° 50' 58.47"E
C100	3+057.23	264096.5877	4029946.7801	3+052.42	264093.9911	4029942.7366	3+061.87	264097.1666	4029951.5504	20.99	9.45	4.805	25.7881	N19° 48' 47.78"E
C101	3+102.82	264102.0997	4029992.2006	3+098.83	264101.6184	4029988.2350	3+108.77	264101.5432	4029996.1564	30.49	7.94	3.995	14.9269	N0° 32' 39.16"W
C102	3+114.41	264100.4793	4030003.7189	3+110.67	264101.0003	4030000.0157	3+117.92	264102.1356	4030007.0717	12.12	7.25	3.740	34.2973	N9° 08' 27.51"E
C103	3+135.46	264109.9033	4030022.7956	3+129.98	264107.4763	4030017.8827	3+140.49	264108.6004	4030028.1182	15.04	10.51	5.480	40.0449	N6° 16' 01.76"E
C104	3+156.16	264104.8752	4030043.3356	3+149.08	264106.5587	4030036.4588	3+163.23	264103.7153	4030050.3198	187.46	14.15	7.080	4.3257	N11° 35' 32.92"W
C105	3+177.58	264101.3076	4030064.2749	3+172.24	264102.2390	4030059.2087	3+182.48	264099.6568	4030069.1064	56.51	10.24	5.136	10.3849	N14° 37' 19.53"W
C106	3+224.17	264085.5244	4030108.3295	3+215.99	264088.2988	4030100.6292	3+231.98	264086.9893	4030116.3822	30.41	15.99	8.185	30.1253	N4° 45' 06.84"W
C107	3+245.12	264089.3414	4030129.3110	3+237.53	264087.9834	4030121.8464	3+252.62	264088.7226	4030136.9729	57.67	15.09	7.587	14.9894	N2° 48' 57.79"E
C108	3+280.13	264086.4787	4030164.2906	3+271.06	264087.2189	4030155.2457	3+288.98	264082.3720	4030172.3833	46.20	17.92	9.075	22.2269	N15° 47' 31.49"W
C109	3+299.31	264077.6955	4030181.5991	3+293.55	264080.3011	4030176.4644	3+304.91	264073.2755	4030185.2893	28.01	11.36	5.758	23.2362	N38° 31' 25.02"W
C110	3+341.23	264045.3957	4030208.5660	3+326.42	264056.7680	4030199.0713	3+345.99	264058.4339	4030215.6005	10.03	19.57	14.815	111.7935	N5° 45' 18.16"E
C111	3+369.54	264079.1572	4030226.7814	3+364.71	264074.9085	4030224.4891	3+372.96	264078.0839	4030231.4883	6.35	8.26	4.828	74.4974	N24° 24' 11.04"E
C112	3+398.39	264072.4311	4030256.2774	3+389.14	264074.4886	4030247.2548	3+407.23	264075.0768	4030265.1455	35.20	18.10	9.254	29.4572	N1° 52' 58.55"E
C113	3+427.41	264080.8452	4030284.4810	3+409.09	264075.6072	4030266.9235	3+444.88	264076.5265	4030302.2870	67.80	35.79	18.322	30.2449	N1° 29' 20.68"E
C114	3+461.58	264072.5808	4030318.5137	3+455.70	264073.9766	4030312.8001	3+467.35	264073.0997	4030324.3709	35.90	11.66	5.879	18.5991	N4° 20' 01.78"W
C115	3+477.25	264073.9564	4030334.2306	3+471.81	264073.4857	4030328.8137	3+482.15	264070.5476	4030338.4667	13.53	10.34	5.437	43.7888	N16° 55' 43.32"W
C116	3+502.43	264057.8353	4030354.2647	3+495.34	264062.2808	4030348.7402	3+507.81	264061.3122	4030360.4447	10.48	12.47	7.091	68.1855	N4° 43' 49.27"W
C117	3+517.45	264066.0432	4030368.8537	3+512.67	264063.6963	4030364.6822	3+522.02	264065.9580	4030373.6393	17.63	9.35	4.786	30.3824	N14° 10' 16.40"E
C118	3+558.70	264065.3050	4030410.3168	3+553.92	264065.3901	4030405.5385	3+563.46	264064.5125	4030415.0297	64.12	9.54	4.779	8.5248	N5° 16' 56.41"W
C119	3+603.41	264057.8883	4030454.4258	3+596.21	264059.0824	4030447.3239	3+608.10	264050.6878	4030454.3010	8.37	11.89	7.202	81.4484	N50° 16' 08.07"W
C120	3+621.08	264037.7092	4030454.0760	3+616.54	264042.2536	4030454.1548	3+625.51	264033.5403	4030452.2654	22.87	8.97	4.545	22.4821	S77° 45' 57.10"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. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S DATE: AUG, 2024.	HORIZONTAL CURVE DATA

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	3+633.02	264026.6504	4030449.2732	3+627.64	264031.5871	4030451.4172	3+637.62	264021.9765	4030451.9421	10.75	9.98	5.382	53.2026	N86° 52' 25.53"W
C122	3+647.22	264013.6387	4030456.1032	3+642.86	264017.4229	4030454.5423	3+651.54	264009.4609	4030457.9423	37.64	8.68	4.358	13.2085	N60° 52' 35.75"W
C123	3+671.17	263990.6384	4030463.5246	3+666.64	263994.9792	4030462.2372	3+675.70	263986.3858	4030465.0789	145.78	9.05	4.528	3.5580	N71° 42' 06.75"W
C124	3+702.44	263961.2705	4030474.2584	3+694.79	263968.4477	4030471.6352	3+709.85	263955.7846	4030479.5780	35.89	15.06	7.642	24.0410	N57° 54' 08.56"W
C125	3+726.49	263943.8372	4030491.1632	3+722.66	263946.5887	4030488.4950	3+730.06	263940.0330	4030491.6303	11.42	7.40	3.833	37.1173	N64° 26' 25.87"W
C126	3+738.98	263931.1808	4030492.1174	3+733.42	263936.6962	4030492.0401	3+744.53	263926.5790	4030495.8322	23.06	10.91	5.557	27.0926	N69° 27' 10.27"W
C127	3+764.25	263910.0513	4030507.0196	3+756.24	263916.7125	4030502.5108	3+772.32	263903.7738	4030512.0487	200.00	16.08	8.044	4.6062	N53° 36' 12.42"W
C128	3+786.56	263892.6556	4030520.9560	3+780.90	263897.0784	4030517.4127	3+790.78	263894.4810	4030526.3210	8.08	9.88	5.667	70.0906	N16° 15' 18.30"W
C129	3+801.60	263897.9669	4030536.5665	3+797.20	263896.5476	4030532.3948	3+805.98	263898.5656	4030540.9321	45.84	8.79	4.406	10.9812	N13° 17' 58.54"E
C130	3+825.74	263901.2500	4030560.5058	3+819.87	263900.4518	4030554.6854	3+831.42	263899.4887	4030566.1104	26.22	11.56	5.875	25.2549	N4° 49' 06.43"W
C131	3+842.17	263896.2663	4030576.3644	3+837.72	263897.6013	4030572.1162	3+846.57	263896.1362	4030580.8155	32.15	8.85	4.453	15.7722	N9° 33' 35.16"W
C132	3+856.05	263895.8593	4030590.2942	3+850.83	263896.0118	4030585.0793	3+861.03	263895.1420	4030594.7478	19.67	10.20	5.217	29.7141	N16° 31' 50.46"W
C133	3+883.75	263881.3091	4030614.1427	3+878.29	263884.1540	4030609.4798	3+888.92	263881.4015	4030619.6042	18.83	10.63	5.462	32.3572	N15° 12' 32.65"W
C134	3+903.56	263881.6492	4030634.2402	3+900.78	263881.6020	4030631.4564	3+906.29	263880.7743	4030636.8833	16.39	5.52	2.784	19.2826	N8° 40' 18.65"W
C135	3+916.53	263877.5581	4030646.6009	3+909.27	263879.8392	4030639.7088	3+921.50	263883.7960	4030650.3148	9.04	12.23	7.260	77.5448	N20° 27' 33.25"E
C136	3+942.38	263901.7359	4030660.9957	3+937.81	263897.8040	4030658.6547	3+946.88	263904.7456	4030664.4427	28.72	9.08	4.576	18.1063	N50° 10' 42.53"E
C137	3+964.89	263916.5890	4030678.0069	3+960.18	263913.4936	4030674.4618	3+969.36	263921.0691	4030679.4480	16.95	9.18	4.706	31.0430	N56° 38' 48.50"E
C138	4+001.66	263951.8124	4030689.3374	3+998.99	263949.2747	4030688.5211	4+004.26	263953.8620	4030691.0421	13.77	5.27	2.666	21.9202	N61° 12' 29.53"E
C139	4+013.78	263961.1809	4030697.1296	4+009.40	263957.8118	4030694.3274	4+017.17	263960.0039	4030701.3507	6.77	7.78	4.382	65.8285	N17° 20' 01.91"E
C140	4+036.12	263954.9161	4030719.5971	4+031.95	263956.0345	4030715.5863	4+039.94	263956.6428	4030723.3881	11.42	7.99	4.164	40.0804	N4° 27' 35.33"E
C141	4+044.32	263958.4591	4030727.3715	4+041.09	263957.1189	4030724.4308	4+047.47	263958.6379	4030730.5983	17.16	6.39	3.232	21.3286	N13° 50' 08.53"E
C142	4+068.47	263959.7995	4030751.5627	4+061.01	263959.3867	4030744.1121	4+075.71	263957.1162	4030756.5255	34.74	14.70	7.462	24.2465	N8° 57' 06.60"W
C143	4+095.23	263950.0869	4030776.7400	4+092.04	263951.2432	4030773.7656	4+098.41	263948.6423	4030779.5765	60.08	6.37	3.188	6.0748	N24° 05' 53.99"E
C144	4+118.34	263939.5470	4030797.3122	4+103.74	263946.2123	4030784.3150	4+129.47	263949.0357	4030808.4171	21.79	25.74	14.807	67.6627	N6° 40' 53.99"E
C145	4+156.79	263966.7801	4030829.1837	4+146.75	263960.2599	4030821.5529	4+165.03	263963.6127	4030838.7079	17.77	18.27	10.037	58.9381	N11° 03' 31.62"E
C146	4+183.88	263957.6625	4030856.5999	4+177.54	263959.6632	4030850.5841	4+189.67	263960.1108	4030862.4479	16.91	12.13	6.340	41.1120	N2° 09' 38.74"E
C147	4+208.33	263967.3165	4030879.6595	4+203.22	263965.3437	4030874.9473	4+213.30	263967.2717	4030884.7679	24.87	10.08	5.109	23.2185	N11° 06' 27.07"E
C148	4+294.13	263986.5640	4030965.5938	4+282.56	263986.6653	4030954.0233	4+305.01	263972.9658	4030975.2324	37.74	22.45	11.571	34.0935	N16° 32' 42.01"E
C149	4+316.37	263979.2471	4030984.6895	4+311.03	263976.2953	4030980.2453	4+321.64	263980.9838	4030989.7340	41.66	10.61	5.335	14.5939	N26° 17' 41.18"E
C150	4+335.85	263985.6102	4031003.1714	4+331.65	263984.2417	4030999.1966	4+339.93	263985.1879	4031007.3539	19.15	8.28	4.204	24.7632	N6° 36' 58.40"E
C151	4+345.88	263984.5899	4031013.2769	4+341.85	263984.9948	4031009.2660	4+349.70	263986.3943	4031016.8817	13.90	7.85	4.051	32.3666	N10° 24' 46.48"E
C152	4+385.14	264002.2617	4031048.5803	4+380.22	264000.0597	4031044.1813	4+389.91	264002.4244	4031053.4970	32.47	9.69	4.919	24.6959	N14° 14' 35.58"E
C153	4+401.01	264002.7914	4031064.5864	4+395.27	264002.6016	4031058.8503	4+406.57	264005.3442	4031069.7267	26.42	11.30	5.739	24.5152	N14° 09' 10.31"E
C154	4+427.28	264014.5561	4031088.2754	4+419.35	264011.0268	4031081.1689	4+434.92	264014.4854	4031096.2098	33.15	15.58	7.935	26.9208	N12° 57' 00.29"E
C155	4+482.76	264014.2375	4031124.0445	4+448.80	264014.3814	4031107.8919	4+477.88	264023.4784	4031137.2935	50.61	31.27	16.153	35.4053	N17° 11' 32.33"E
C156	4+520.77	264048.0179	4031172.4767	4+507.89	264040.6503	4031161.9134	4+532.42	264046.1705	4031185.2223	32.58	24.53	12.879	43.1423	N13° 19' 25.66"E
C157	4+545.56	264044.2862	4031198.2220	4+540.88	264044.9573	4031193.5920	4+550.16	264045.0687	4031202.8344	29.75	9.25	4.675	17.9760	N0° 41' 26.27"E
C158	4+571.57	264048.6491	4031223.9391	4+563.67	264047.3281	4031216.1521	4+578.95	264045.1858	4031231.0375	24.57	15.28	7.898	35.6362	N8° 11' 22.18"W
C159	4+588.43	264041.0314	4031239.5525	4+582.78	264043.5054	4031234.4818	4+593.93	264040.6545	4031245.1820	28.79	11.14	5.642	22.1780	N14° 55' 07.08"W
C160	4+609.56	264039.6106	4031260.7771	4+604.79	264039.9289	4031256.0215	4+614.23	264037.7291	4031265.1563	27.85	9.44	4.766	19.4205	N13° 32' 23.63"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. 5833-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO. CECRP-RRDP-RWN-CHT-6/HCD-04
		b			DRAWN	INAM ULLAH			DATE:	
		c			CHECKED	S.DURRANI			AUG, 2024	
			APPROVED	AOEEL 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
C161	4+627.32	264032.5627	4031277.1815	4+620.90	264035.0982	4031271.2799	4+629.62	264038.9673	4031277.6703	4.59	8.73	6.423	108.8861	N31° 11' 34.45"E
C162	4+651.07	264060.3507	4031279.3021	4+647.22	264056.5174	4031279.0096	4+654.82	264063.8023	4031280.9949	20.00	7.60	3.844	21.7613	N74° 45' 19.07"E
C163	4+667.57	264075.2540	4031286.6114	4+664.76	264072.7306	4031285.3738	4+670.35	264078.0207	4031287.1055	20.00	5.58	2.811	15.9985	N71° 52' 26.07"E
C164	4+678.21	264085.7558	4031288.4871	4+674.92	264082.5216	4031287.9094	4+681.48	264088.9101	4031289.4058	61.54	6.56	3.285	6.1120	N76° 49' 01.74"E
C165	4+712.75	264118.9321	4031298.1501	4+710.55	264118.8197	4031297.5348	4+714.94	264121.1278	4031298.2915	20.00	4.38	2.200	12.5557	N80° 02' 20.33"E
C166	4+733.09	264139.2471	4031299.4578	4+726.12	264132.2914	4031299.0101	4+739.54	264144.4178	4031304.1317	20.00	13.41	6.970	38.4273	N67° 06' 11.36"E
C167	4+759.29	264159.0620	4031317.3686	4+753.47	264154.7540	4031313.4746	4+764.32	264158.7825	4031323.1689	12.27	10.85	5.807	50.6477	N22° 33' 56.26"E
C168	4+778.44	264158.1029	4031337.2765	4+775.78	264158.2309	4031334.6196	4+781.09	264157.4955	4031339.8662	29.11	5.31	2.660	10.4418	N7° 58' 44.95"W
C169	4+791.63	264155.0880	4031350.1304	4+785.87	264156.4025	4031344.5263	4+797.18	264156.3954	4031355.7362	24.61	11.31	5.756	26.3281	N0° 02' 09.68"W
C170	4+835.70	264165.1432	4031293.2443	4+829.47	264163.7296	4031387.1835	4+841.54	264169.7461	4031397.4330	20.00	12.07	6.223	34.5696	N30° 24' 46.20"E
C171	4+857.56	264181.5945	4031408.2151	4+851.89	264177.4030	4031404.4008	4+863.21	264185.2421	4031412.5524	84.94	11.32	5.667	7.6345	N43° 52' 49.44"E
C172	4+897.38	264207.2362	4031438.7054	4+894.25	264205.2210	4031436.3092	4+900.51	264209.1447	4031441.1876	143.02	6.26	3.131	2.5082	N38° 48' 32.59"E
C173	4+921.33	264221.8340	4031457.6918	4+915.76	264218.4374	4031453.2741	4+926.87	264225.9768	4031461.4188	60.82	11.11	5.573	10.4698	N42° 47' 23.39"E
C174	4+963.59	264253.2751	4031485.9770	4+959.92	264250.5417	4031483.5179	4+967.09	264256.8839	4031486.6806	13.28	7.17	3.677	30.9432	N63° 29' 46.74"E
C175	4+974.93	264264.5831	4031488.1816	4+972.83	264262.5210	4031487.7796	4+977.02	264266.5167	4031489.0034	20.00	4.19	2.101	11.9936	N72° 58' 16.01"E
C176	4+988.14	264276.7551	4031493.3547	4+981.38	264270.5297	4031490.7089	4+992.73	264275.4171	4031499.9854	8.30	11.35	6.764	78.3827	N27° 46' 58.58"E
C177	5+015.17	264270.9792	4031521.9778	5+010.95	264271.8135	4031517.8434	5+019.25	264268.4909	4031525.3832	19.23	8.30	4.218	24.7464	N23° 46' 53.92"W
C178	5+036.39	264258.3788	4031539.2226	5+028.11	264263.2642	4031532.5365	5+042.85	264262.3817	4031546.4715	12.98	14.74	8.281	65.0621	N3° 37' 25.68"W
C179	5+083.98	264282.2620	4031582.4739	5+059.49	264270.4256	4031561.0388	5+091.29	264257.8840	4031584.7714	16.05	31.79	24.486	113.5234	N27° 51' 15.99"W
C180	5+118.86	264230.6281	4031587.3401	5+108.41	264240.8345	4031586.3782	5+125.41	264229.9198	4031597.5672	12.08	17.00	10.252	80.6547	N44° 17' 19.66"W
C181	5+141.85	264228.7848	4031613.9607	5+137.79	264229.0649	4031609.9129	5+145.50	264225.7630	4031616.6688	10.00	7.71	4.058	44.1698	N26° 02' 46.95"W
C182	5+148.49	264223.5342	4031618.6665	5+147.26	264224.4480	4031617.8475	5+149.71	264222.7625	4031619.6206	15.30	2.45	1.227	9.1680	N43° 32' 56.34"W
C183	5+163.70	264213.9665	4031630.4970	5+157.60	264217.7996	4031625.7574	5+168.99	264207.8710	4031630.5464	12.90	11.39	6.096	50.5729	N64° 14' 59.26"W
C184	5+175.06	264201.8049	4031630.5955	5+171.46	264205.4072	4031630.5683	5+178.62	264198.3272	4031631.5347	28.02	7.17	3.602	14.6497	N82° 12' 41.03"W
C185	5+193.37	264184.0902	4031635.3798	5+186.47	264190.7521	4031633.5805	5+194.58	264189.1747	4031640.0452	3.80	8.11	6.901	122.3478	N13° 42' 45.44"W
C186	5+208.51	264199.4405	4031649.4649	5+201.44	264194.2294	4031644.6833	5+213.75	264196.6682	4031655.9714	10.00	12.31	7.073	70.5399	N12° 11' 28.79"E
C187	5+227.08	264191.4416	4031668.2375	5+220.91	264193.8606	4031662.5604	5+232.88	264188.2444	4031671.5646	20.00	11.97	6.171	34.2951	N40° 13' 34.25"W
C188	5+251.51	264170.5565	4031681.6076	5+240.41	264179.9099	4031675.6198	5+261.67	264167.4052	4031692.2571	29.79	21.26	11.106	40.8899	N36° 55' 43.66"W
C189	5+272.27	264164.3978	4031702.4203	5+267.83	264165.6575	4031698.1635	5+276.70	264162.7189	4031706.5299	56.58	8.87	4.439	5.7379	N19° 21' 10.10"W
C190	5+298.24	264154.5714	4031726.4732	5+296.25	264155.3243	4031724.6302	5+300.22	264153.5331	4031728.1719	24.71	3.97	1.991	9.2120	N28° 49' 40.01"W
C191	5+308.51	264149.2136	4031735.2390	5+305.51	264150.7784	4031732.6789	5+311.34	264149.3167	4031738.2377	10.00	5.83	3.000	33.4033	N14° 43' 55.77"W
C192	5+323.64	264149.7396	4031750.5354	5+318.93	264149.5776	4031745.8249	5+328.04	264147.0834	4031754.4288	14.39	9.11	4.713	36.2727	N16° 10' 00.71"W
C193	5+332.90	264144.3422	4031758.4467	5+330.13	264145.9035	4031756.1582	5+335.60	264143.1511	4031760.9480	35.84	5.53	2.770	8.8400	N29° 52' 59.51"W
C194	5+352.34	264135.9793	4031776.0090	5+347.37	264138.1156	4031771.5226	5+357.28	264134.7756	4031780.8300	49.59	9.90	4.969	11.4446	N19° 44' 27.27"W
C195	5+367.45	264132.3108	4031790.7021	5+362.19	264132.3748	4031790.4459	5+367.70	264132.3824	4031790.9583	0.99	0.52	0.264	29.7465	N0° 51' 16.59"E
C196	5+384.19	264136.8497	4031806.8196	5+376.93	264134.5841	4031799.8398	5+391.13	264135.1882	4031813.8780	28.07	14.19	7.251	28.9732	N1° 14' 28.45"E
C197	5+400.77	264132.9779	4031823.2684	5+397.75	264133.6698	4031820.3291	5+403.71	264131.1565	4031825.6767	14.30	5.95	3.020	23.8535	N25° 10' 19.60"W
C198	5+418.54	264122.2065	4031837.5114	5+411.21	264126.6275	4031831.6655	5+423.86	264126.4500	4031843.4873	10.00	12.65	7.329	72.4781	N0° 51' 35.31"W
C199	5+427.65	264128.6422	4031846.5743	5+424.26	264126.5819	4031843.8137	5+430.80	264128.5568	4031849.9591	10.17	6.54	3.386	36.8242	N16° 58' 01.67"E
C200	5+446.58	264128.1589	4031865.7349	5+443.56	264128.2352	4031862.7098	5+449.51	264126.7742	4031868.4255	13.22	5.95	3.026	25.7857	N14° 20' 16.23"W

Project Director (PIO)
Provincial Roads Improvement Project
C&T Department Peshawar

JV
Minconsult International Ltd. & Creative Engineering Consultants

 <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. 59835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	1	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		2			DRAWN INAM ULLAH		FLOOD AFFECTED ROAD	DATE:	
		3			CHECKED S.DURRANI			AUG, 2024.	
	4			APPROVED AQEEL YOUNIS			DWG NO: CECRP-RRDP/MIN-CHT-6/HCD-05		

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	5+452.95	264125.1995	4031871.4856	5+449.96	264126.5648	4031868.8328	5+455.90	264124.5699	4031874.4021	22.59	5.93	2.984	15.0485	N19° 42' 23.33"W
C202	5+486.89	264116.0291	4031904.7000	5+479.31	264119.6294	4031897.2870	5+492.28	264110.4592	4031905.1585	10.00	12.98	7.584	74.3517	N49° 21' 29.10"W
C203	5+496.35	264106.3992	4031905.4044	5+493.42	264109.3211	4031905.2274	5+493.03	264104.2994	4031907.4440	7.89	5.61	2.927	40.7001	N66° 11' 01.94"W
C204	5+511.07	264095.6658	4031915.8299	5+508.81	264097.2860	4031914.2561	5+513.33	264094.0008	4031917.3562	156.48	4.52	2.259	1.6540	N48° 39' 39.01"W
C205	5+523.39	264086.5845	4031924.1548	5+520.65	264088.6042	4031922.3034	5+526.11	264084.2900	4031925.6521	33.38	5.47	2.740	9.3861	N52° 10' 51.22"W
C206	5+541.56	264071.3507	4031934.0955	5+532.47	264078.9694	4031929.1240	5+548.08	264073.9873	4031942.8024	12.13	15.61	9.097	73.7213	N20° 00' 47.79"W
C207	5+559.20	264077.2116	4031953.4498	5+556.28	264076.3626	4031950.6464	5+562.11	264077.4164	4031956.3718	26.04	5.83	2.929	12.8376	N10° 25' 42.93"E
C208	5+584.24	264078.9640	4031978.4489	5+581.16	264078.7487	4031975.3781	5+587.26	264078.1123	4031981.4071	17.39	6.09	3.078	20.0717	N6° 01' 33.84"W
C209	5+596.50	264075.5548	4031990.2897	5+592.79	264076.5801	4031986.7287	5+600.16	264075.5043	4031993.9951	27.63	7.37	3.706	15.3801	N8° 25' 18.70"W
C210	5+621.03	264075.2195	4032014.8629	5+617.06	264075.2737	4032010.8893	5+624.94	264073.9363	4032018.6240	25.01	7.88	3.974	18.0577	N9° 48' 38.38"W
C211	5+650.03	264065.8347	4032042.3685	5+632.51	264071.4929	4032025.7850	5+666.74	264069.2626	4032059.5522	65.12	34.23	17.522	30.1213	N3° 46' 43.93"W
C212	5+678.02	264071.4706	4032070.8202	5+678.01	264071.4676	4032070.8054	5+678.04	264071.4733	4032070.6350	1.75	0.03	0.015	0.9881	N10° 47' 19.51"E
C213	5+699.09	264075.2356	4032091.3467	5+697.30	264074.9148	4032089.5807	5+700.88	264075.4191	4032093.1323	46.43	3.59	1.795	4.4283	N8° 04' 53.68"E
C214	5+746.24	264080.2601	4032140.2395	5+747.52	264080.1864	4032139.5221	5+748.96	264080.3394	4032140.9564	186.28	1.44	0.721	0.4437	N6° 05' 21.41"E
C215	5+781.92	264083.9628	4032173.7178	5+778.43	264083.5793	4032170.2508	5+785.40	264083.9025	4032177.2054	54.68	6.97	3.488	7.3005	N2° 39' 39.17"E
C216	5+842.89	264082.9098	4032234.6906	5+836.32	264083.0233	4032228.1177	5+849.46	264082.1051	4032241.2151	124.57	13.14	6.574	6.0416	N4° 00' 36.56"W
C217	5+869.04	264079.7080	4032260.6512	5+865.76	264080.1094	4032257.3964	5+872.31	264079.0387	4032263.8616	79.16	6.56	3.279	4.7444	N9° 24' 11.42"W
C218	5+897.00	264074.0014	4032288.0258	5+891.82	264075.0581	4032282.9568	5+902.13	264071.7656	4032292.6961	42.77	10.31	5.178	13.8065	N18° 40' 43.01"W
C219	5+916.67	264065.4871	4032305.8109	5+914.14	264066.5795	4032303.5292	5+919.19	264064.2403	4032308.0120	73.40	5.06	2.530	3.9480	N27° 33' 21.01"W
C220	5+949.91	264049.1018	4032334.7368	5+947.84	264050.1216	4032332.9365	5+951.97	264047.9132	4032336.4304	42.83	4.13	2.069	5.5311	N32° 17' 43.40"W
C221	5+978.09	264032.9085	4032357.8109	5+973.80	264035.3771	4032354.2934	5+982.39	264030.7207	4032361.5094	110.46	8.59	4.297	4.4555	N32° 49' 59.50"W
C222	5+998.75	264022.3916	4032375.5902	5+994.38	264024.6149	4032371.8316	6+002.80	264022.9242	4032379.9246	12.82	8.42	4.367	37.6108	N11° 48' 00.08"W
C223	6+005.35	264023.2349	4032382.4336	6+003.28	264022.9828	4032380.4017	6+007.41	264023.1944	4032384.5205	29.09	4.13	2.067	8.1295	N2° 56' 26.39"E
C224	6+018.70	264022.9728	4032395.8157	6+015.41	264023.0374	4032392.5199	6+021.99	264022.5049	4032399.0788	53.63	6.58	3.296	7.0352	N4° 38' 29.95"W
C225	6+051.16	264018.3650	4032427.9536	6+035.09	264020.6463	4032412.0422	6+066.80	264010.0393	4032441.7036	78.88	31.71	16.074	23.0359	N19° 40' 37.85"W
C226	6+085.20	264000.5106	4032457.4404	6+078.06	264004.2093	4032451.3319	6+088.23	264007.3122	4032459.6156	5.63	10.17	7.141	103.4607	N20° 32' 06.84"E
C227	6+112.93	264030.8341	4032467.1379	6+105.37	264023.6358	4032464.8359	6+118.96	264032.1349	4032474.5825	12.49	13.59	7.557	62.3541	N41° 05' 18.71"E
C228	6+148.49	264037.2168	4032503.8658	6+141.86	264036.0766	4032497.1405	6+154.92	264035.6212	4032510.0949	31.37	13.06	6.624	23.8492	H2° 00' 47.22"W
C229	6+172.43	264031.4037	4032527.0892	6+165.77	264033.0065	4032520.6297	6+179.03	264031.2458	4032533.7428	60.39	13.26	6.655	12.5785	H7° 38' 54.42"W
C230	6+216.64	264030.3538	4032571.3384	6+210.77	264030.4929	4032565.4746	6+222.49	264030.8898	4032577.1794	101.69	11.72	5.865	6.6026	N1° 56' 31.53"E
C231	6+230.48	264031.6199	4032585.1349	6+226.37	264031.2446	4032581.0456	6+234.38	264034.0707	4032588.4298	14.01	8.01	4.106	31.3987	N20° 56' 33.81"E
C232	6+253.76	264045.8378	4032603.9810	6+245.42	264040.6637	4032597.2936	6+261.81	264047.1794	4032612.1716	36.13	16.38	8.334	25.9824	N23° 39' 03.16"E
C233	6+287.14	264051.8660	4032637.0709	6+280.86	264050.7031	4032630.8921	6+293.31	264050.9512	4032643.2913	37.52	12.46	6.287	19.0265	N1° 08' 47.15"E
C234	6+332.48	264045.2517	4032682.0430	6+324.33	264046.4387	4032673.9725	6+340.19	264048.6481	4032689.4597	27.56	15.86	8.157	32.9717	N8° 07' 08.49"E
C235	6+362.33	264057.8689	4032709.5951	6+355.99	264055.2277	4032703.8275	6+368.40	264062.9924	4032713.3355	24.30	12.41	6.344	29.2641	N39° 14' 12.89"E
C236	6+389.34	264079.9060	4032725.6831	6+383.01	264074.7920	4032721.9497	6+394.75	264079.9708	4032732.0145	12.62	11.74	6.332	53.2820	H27° 13' 40.64"E
C237	6+415.41	264080.1625	4032752.6770	6+404.00	264080.0656	4032741.2645	6+424.53	264090.3347	4032757.8916	18.91	20.54	11.413	62.2260	N31° 41' 59.82"E
C238	6+451.40	264114.2359	4032770.1684	6+444.52	264108.1153	4032767.0245	6+458.07	264118.4477	4032775.6095	30.95	13.54	6.681	25.0708	N50° 16' 39.13"E
C239	6+473.00	264127.5924	4032787.4234	6+460.94	264120.2059	4032777.8808	6+483.90	264139.5227	4032789.2362	30.16	22.96	12.087	43.6175	N59° 33' 03.25"E
C240	6+508.57	264163.9172	4032792.9431	6+501.60	264157.0239	4032791.8956	6+515.01	264168.6652	4032798.0490	20.00	13.42	6.972	38.4391	N62° 05' 24.36"E

[Handwritten 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)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	a.	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA	
		b.					FLOOD AFFECTED ROAD	DATE:	DWG NO: CEC/KP-RRDP/HW/N-CHT-6/HCD-06	
		c.						AUG, 2024.		
		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
C241	6+530.37	264179.1238	4032809.2956	6+525.14	264175.5613	4032805.4647	6+534.78	264184.3022	4032808.5538	10.00	9.64	5.231	55.2312	N70° 32' 10.03"E
C242	6+554.27	264203.5924	4032805.7907	6+546.28	264195.6875	4032806.9230	6+561.78	264210.7661	4032809.2989	25.95	15.49	7.986	34.2120	N81° 02' 44.51"E
C243	6+593.56	264239.3219	4032823.2637	6+590.30	264236.3910	4032821.8304	6+596.80	264242.4809	4032824.0794	32.17	6.50	3.263	11.5820	N69° 43' 50.53"E
C244	6+617.10	264262.1305	4032829.1532	6+609.23	264254.5105	4032827.1856	6+624.62	264267.8011	4032834.6104	29.97	15.39	7.870	29.4231	N60° 48' 36.56"E
C245	6+631.67	264272.8785	4032839.4967	6+627.82	264270.1046	4032836.8272	6+635.46	264276.3048	4032841.2519	26.11	7.64	3.850	16.7758	N54° 29' 11.33"E
C246	6+658.33	264296.6540	4032851.6767	6+652.14	264291.1509	4032848.8575	6+663.75	264298.1462	4032857.6772	13.60	11.61	6.183	48.9094	N38° 25' 10.77"E
C247	6+689.81	264304.4357	4032882.9686	6+684.55	264303.1650	4032877.8590	6+693.72	264309.6748	4032883.4922	7.47	9.17	5.265	70.3279	N49° 07' 44.05"E
C248	6+710.57	264326.4405	4032885.1677	6+706.61	264322.4970	4032884.7736	6+714.47	264330.0940	4032886.7034	26.37	7.87	3.963	17.0916	N75° 44' 48.47"E
C249	6+742.17	264355.6297	4032897.4370	6+728.39	264342.9232	4032892.0960	6+754.45	264360.5875	4032910.2979	32.38	26.06	13.783	46.1203	N44° 08' 28.04"E
C250	6+772.07	264366.9234	4032926.7341	6+768.11	264365.4997	4032923.0409	6+775.86	264369.9220	4032929.3175	15.77	7.76	3.958	28.1730	N35° 10' 02.80"E
C251	6+784.05	264376.1238	4032934.6605	6+776.42	264370.3448	4032929.6817	6+791.37	264378.8711	4032941.7766	30.43	14.95	7.628	28.1438	N35° 10' 55.30"E
C252	6+831.75	264393.4128	4032979.4424	6+827.19	264391.7725	4032975.1938	6+836.24	264393.8505	4032983.9757	33.26	9.05	4.554	15.5953	N13° 18' 44.90"E
C253	6+858.49	264395.9881	4033006.1163	6+846.95	264394.8790	4032994.6289	6+865.74	264388.4099	4033014.8202	26.82	21.80	11.541	46.5598	N17° 45' 54.28"W
C254	6+901.43	264366.9439	4033039.4749	6+897.78	264369.3459	4033036.7161	6+905.04	264365.3954	4033042.7889	26.03	7.27	3.658	15.9997	N33° 02' 42.43"W
C255	6+921.28	264358.5212	4033057.5004	6+918.00	264359.9125	4033054.5229	6+924.55	264357.7072	4033060.6845	35.08	6.55	3.287	10.7058	N19° 41' 32.52"W
C256	6+949.38	264351.5573	4033084.7423	6+940.90	264353.6588	4033076.5214	6+957.18	264355.2172	4033092.3975	23.38	16.28	8.485	39.8914	N5° 36' 22.38"E
C257	6+972.40	264361.7840	4033106.1332	6+962.51	264357.5173	4033097.2085	6+981.62	264359.9162	4033115.8474	30.06	19.11	9.892	36.4357	N7° 20' 02.63"E
C258	6+996.94	264357.0234	4033130.8928	6+992.18	264357.9217	4033126.2208	7+001.64	264354.8736	4033135.1370	33.90	9.45	4.758	15.9793	N16° 52' 24.38"W
C259	7+027.84	264343.0358	4033158.5079	7+016.56	264348.1295	4033148.4517	7+036.32	264350.5878	4033166.8770	16.42	19.76	11.273	68.9255	N7° 35' 58.75"E
C260	7+051.82	264360.9737	4033178.3865	7+048.97	264359.0582	4033176.2637	7+054.66	264362.4026	4033180.8632	27.02	5.70	2.859	12.0802	N36° 01' 20.30"E
C261	7+059.86	264364.9977	4033185.3612	7+056.96	264363.5495	4033182.8511	7+062.74	264366.7720	4033187.6523	42.66	5.79	2.898	7.7718	N33° 52' 05.18"E
C262	7+082.39	264378.8032	4033203.1887	7+074.97	264374.2582	4033197.3196	7+089.55	264385.5075	4033206.3757	31.13	14.57	7.423	26.8215	N51° 09' 53.03"E
C263	7+105.74	264402.8399	4033214.6148	7+105.87	264400.2532	4033213.3852	7+111.58	264405.1271	4033216.3387	28.74	5.71	2.864	11.5824	N58° 47' 03.52"E
C264	7+146.80	264433.2547	4033237.5398	7+135.26	264424.0331	4033230.5891	7+155.72	264430.6020	4033248.7787	17.69	20.46	11.548	66.2734	N19° 51' 22.84"E
C265	7+193.02	264422.0327	4033285.0852	7+176.84	264425.7500	4033269.3355	7+207.46	264430.7422	4033298.7238	38.27	30.62	16.182	45.8424	N9° 38' 27.09"E
C266	7+233.41	264444.7080	4033320.5934	7+227.26	264441.4019	4033315.4162	7+238.81	264450.7745	4033321.5590	13.67	11.55	6.143	48.3946	N56° 45' 33.70"E
C267	7+260.28	264471.9784	4033324.9338	7+254.80	264466.5614	4033324.0716	7+265.24	264475.3330	4033329.2736	13.84	10.44	5.485	43.2531	N59° 19' 48.34"E
C268	7+281.56	264485.3125	4033342.1839	7+278.38	264483.3695	4033339.6703	7+284.66	264486.1541	4033345.2475	16.09	6.27	3.177	22.3435	N26° 31' 54.47"E
C269	7+295.24	264488.9573	4033355.4521	7+289.95	264487.5569	4033350.3544	7+300.49	264489.2932	4033360.7280	51.52	10.54	5.287	11.7165	N9° 30' 06.43"E
C270	7+326.75	264490.9620	4033386.9357	7+315.03	264490.2174	4033375.2415	7+337.19	264483.0472	4033395.5764	27.52	22.16	11.718	46.1329	N19° 25' 22.59"W
C271	7+367.56	264482.5323	4033417.9728	7+363.78	264465.0851	4033415.1859	7+371.31	264459.4481	4033420.1570	35.35	7.53	3.779	12.2044	N48° 35' 29.71"W
C272	7+390.44	264443.8393	4033431.2112	7+382.79	264450.0750	4033426.7951	7+396.52	264444.9037	4033438.7778	12.54	13.73	7.641	62.7012	N23° 20' 35.49"W
C273	7+407.68	264446.4586	4033449.8308	7+402.27	264445.7049	4033444.4732	7+412.93	264449.3485	4033454.4046	25.15	10.66	5.410	24.2784	N20° 05' 47.77"E
C274	7+451.70	264470.0593	4033487.1838	7+447.15	264467.6274	4033483.3349	7+456.21	264471.4540	4033491.5177	35.92	9.06	4.553	14.4466	N25° 03' 45.13"E
C275	7+475.18	264477.2667	4033509.5796	7+471.18	264476.0416	4033505.7730	7+479.07	264476.8875	4033513.5604	19.41	7.89	3.999	23.2803	N6° 11' 56.81"E
C276	7+498.67	264475.0292	4033533.0701	7+492.99	264475.5673	4033527.4214	7+504.16	264476.9342	4033538.4149	25.53	11.17	5.674	25.0582	N7° 05' 17.03"E
C277	7+546.91	264491.2850	4033578.6783	7+538.77	264488.5519	4033571.0103	7+554.07	264487.3674	4033585.8142	18.12	15.30	8.140	48.3839	N4° 34' 29.23"W
C278	7+564.52	264482.3374	4033594.9762	7+562.32	264483.3968	4033593.0466	7+566.71	264480.9980	4033596.7231	28.90	4.39	2.201	8.7124	N33° 07' 22.52"W
C279	7+585.46	264469.5898	4033611.6018	7+582.46	264471.4140	4033609.2227	7+588.43	264468.3732	4033614.3417	25.26	5.97	2.998	13.5361	N30° 42' 39.93"W
C280	7+593.03	264464.0727	4033624.0266	7+596.06	264465.2783	4033621.3116	7+601.76	264461.4182	4033625.3601	8.30	5.71	2.971	39.3842	N43° 38' 08.59"W

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



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 a b c	DATE AUGUST, 2024	DESCRIPTION TENDER DRAWINGS	NAMES: G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S.DURRANI APPROVED: AGEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	SCALE: N.T.S. DATE: AUG, 2024	SHEET CONTENT: HORIZONTAL CURVE DATA
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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	8+594.22	264125.4688	4034241.0463	8+586.90	264131.2755	4034238.5877	8+600.79	264124.4919	4034248.3018	17.76	13.89	7.321	44.8123	N30° 04' 29.67"W
C322	8+617.58	264122.2511	4034264.9428	8+612.09	264122.9829	4034259.5084	8+622.35	264117.6120	4034267.8663	11.73	10.26	5.483	50.1133	N32° 43' 31.49"W
C323	8+644.84	264098.5876	4034279.8549	8+635.39	264106.5807	4034274.8179	8+653.41	264096.1054	4034288.9706	24.26	18.02	9.448	42.5489	N36° 30' 25.52"W
C324	8+666.27	264092.7276	4034301.3756	8+661.23	264094.0499	4034296.5195	8+671.23	264090.0352	4034305.6278	33.46	9.99	5.033	17.1086	N23° 42' 11.09"W
C325	8+694.47	264077.6006	4034325.2665	8+688.43	264080.8334	4034320.1607	8+700.42	264073.0111	4034329.1979	40.25	12.00	6.043	17.0759	N40° 52' 43.05"W
C326	8+738.57	264044.0388	4034354.0157	8+734.49	264047.1428	4034351.3568	8+741.85	264044.9293	4034358.0044	6.80	7.36	4.087	62.0102	N18° 24' 41.23"W
C327	8+751.88	264047.1178	4034367.7975	8+747.67	264046.2008	4034363.6928	8+756.01	264046.6962	4034371.9823	26.05	8.34	4.206	18.3463	N3° 25' 13.75"E
C328	8+769.24	264045.3709	4034385.1379	8+763.33	264045.9634	4034379.2567	8+775.04	264046.7233	4034390.8922	35.36	11.71	5.911	18.9792	N3° 44' 12.87"E
C329	8+806.07	264053.8236	4034421.1016	8+794.22	264051.1110	4034409.5603	8+816.66	264047.4533	4034431.1006	28.12	22.44	11.856	45.7275	N9° 38' 14.20"W
C330	8+837.71	264036.1386	4034448.8605	8+833.22	264038.5515	4034445.0731	8+841.93	264032.0033	4034450.6117	14.44	8.71	4.491	34.5480	N49° 46' 30.10"W
C331	8+850.38	264024.2179	4034453.9085	8+846.11	264028.1531	4034452.2421	8+854.64	264020.0919	4034455.0214	62.24	8.53	4.273	7.8560	N70° 58' 37.19"W
C332	8+870.33	264004.9520	4034459.1051	8+859.31	264015.5874	4034456.2364	8+871.85	264013.3804	4034466.1975	5.76	12.54	11.015	124.8246	N12° 29' 33.70"W
C333	8+904.89	264038.6581	4034487.4685	8+897.23	264032.7976	4034482.5369	8+911.48	264038.3855	4034495.1229	15.72	14.25	7.659	51.9587	N23° 56' 24.85"E
C334	8+921.07	264036.0443	4034504.7078	8+915.65	264036.2370	4034499.2938	8+926.09	264041.2272	4034509.0916	15.72	10.43	5.417	38.0210	N16° 58' 16.87"E
C335	8+931.05	264044.1442	4034513.1093	8+928.71	264042.7649	4034511.2095	8+933.38	264045.0461	4034515.2769	20.00	4.67	2.348	13.3901	N29° 17' 12.37"E
C336	8+944.33	264049.2542	4034525.3903	8+939.40	264047.3586	4034520.8344	8+949.08	264048.8132	4034530.3050	20.00	9.68	4.935	27.7192	N8° 43' 55.61"E
C337	8+959.41	264047.8899	4034540.5951	8+955.89	264048.2040	4034537.0940	8+962.87	264048.5900	4034544.0399	24.07	6.98	3.515	16.6171	N3° 10' 51.87"E
C338	8+986.76	264053.3519	4034567.4669	8+976.65	264051.3345	4034557.5416	8+996.22	264049.0893	4034576.6545	30.82	19.57	10.128	36.3787	N6° 41' 59.07"W
C339	9+006.00	264044.9721	4034585.5287	9+000.54	264047.2712	4034580.5733	9+010.18	264048.6567	4034589.5618	8.21	9.64	5.463	67.3042	N8° 45' 46.75"E
C340	9+034.84	264065.1569	4034607.6223	9+023.34	264057.5341	4034599.2786	9+043.92	264061.9425	4034618.4570	20.00	20.57	11.302	58.9395	N12° 56' 43.14"E
C341	9+069.82	264054.5762	4034643.2861	9+061.28	264057.0041	4034635.1026	9+077.64	264047.4225	4034647.9431	23.19	16.36	8.536	40.4120	N36° 43' 49.55"W
C342	9+101.04	264027.8130	4034660.7087	9+086.11	264040.3218	4034652.5656	9+115.07	264012.8896	4034660.4260	48.59	28.96	14.926	34.1489	N74° 00' 39.02"W
C343	9+148.43	263979.5375	4034689.7941	9+139.43	263988.5410	4034689.9647	9+156.52	263975.4349	4034687.8105	14.42	16.10	9.005	63.9833	N59° 05' 37.09"W
C344	9+188.31	263960.4978	4034696.9376	9+179.36	263964.5745	4034689.0318	9+197.17	263954.5883	4034703.7171	71.70	17.80	8.948	14.2281	N34° 12' 57.71"W
C345	9+238.81	263927.0858	4034734.9897	9+227.26	263934.7154	4034726.3141	9+249.48	263915.7035	4034736.9717	32.81	22.22	11.553	38.7919	N60° 43' 33.61"W
C346	9+267.41	263896.0417	4034740.0472	9+263.01	263902.3754	4034739.2926	9+271.64	263894.5295	4034742.6958	18.22	8.63	4.399	27.1415	N66° 33' 04.34"W
C347	9+297.65	263873.7606	4034758.3573	9+292.62	263877.7780	4034755.3279	9+302.30	263868.7313	4034758.2092	14.33	9.68	5.032	38.7031	N72° 19' 55.33"W
C348	9+308.63	263862.4007	4034758.0234	9+302.80	263868.2334	4034758.1949	9+314.16	263857.3762	4034760.9906	20.19	11.36	5.835	32.2472	N75° 33' 35.95"W
C349	9+348.84	263827.5106	4034778.6275	9+342.57	263832.9074	4034775.4405	9+354.56	263825.5565	4034784.5828	16.64	11.99	6.268	41.2706	N38° 48' 03.84"W
C350	9+373.89	263819.5311	4034802.9464	9+365.47	263822.1545	4034794.9511	9+380.91	263811.4110	4034805.1535	15.62	15.44	8.415	56.6280	N46° 28' 47.11"W
C351	9+384.36	263808.0859	4034808.0573	9+382.46	263809.9186	4034805.5591	9+386.24	263806.4017	4034806.9348	17.80	3.78	1.899	12.3154	N68° 38' 09.76"W
C352	9+400.31	263793.9233	4034813.4367	9+396.92	263796.9281	4034811.8710	9+403.46	263792.4891	4034816.5063	10.00	6.53	3.388	37.4347	N43° 45' 39.66"W
C353	9+420.83	263785.1366	4034832.2423	9+413.40	263788.2816	4034825.5114	9+427.91	263779.0322	4034836.4771	27.53	14.51	7.429	30.2065	N40° 08' 48.95"W
C354	9+444.10	263765.7309	4034845.7045	9+435.20	263773.0461	4034840.6298	9+452.16	263763.8466	4034854.4059	22.58	16.96	8.903	43.0316	N33° 44' 03.76"W
C355	9+469.96	263760.0793	4034871.8030	9+462.51	263761.6554	4034864.5250	9+477.33	263756.7596	4034878.4687	59.55	14.82	7.447	14.2563	N19° 20' 48.32"W
C356	9+516.24	263739.4100	4034913.3048	9+507.49	263743.3111	4034905.4717	9+521.87	263731.1287	4034910.4773	10.00	14.38	8.751	82.3764	N67° 39' 47.21"W
C357	9+535.28	263718.4362	4034906.1437	9+527.20	263726.0856	4034908.7554	9+541.42	263713.1457	4034912.2548	11.99	14.22	8.083	67.9683	N74° 52' 01.80"W
C358	9+561.61	263699.9356	4034927.5142	9+547.87	263708.9289	4034917.1258	9+568.87	263690.2164	4034917.8015	12.79	21.01	13.740	94.0981	N87° 55' 55.54"W
C359	9+588.37	263676.4251	4034904.0192	9+582.96	263680.2530	4034907.8446	9+593.63	263671.3901	4034902.0350	26.05	10.67	5.412	23.4732	S56° 45' 19.52"W
C360	9+610.81	263655.4058	4034895.7361	9+603.29	263662.4080	4034898.4954	9+617.54	263648.5340	4034896.8057	17.91	14.25	7.526	45.5783	N88° 43' 07.82"W


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



 Creative Engineering Consultants

CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:  MINCONSULT SON BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: HORIZONTAL CURVE DATA DWG NO: CECRP-RRDP/MAIN-CHT-6/HCD-08
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	
		b			DRAWN	IMAM ULLAH			DATE:	
		c			CHECKED	S.DURRANI			AUG.	
		d			APPROVED	AGEEL YOUNIS			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
C361	9+641.61	263626.5486	4034908.6266	9+635.49	263632.1391	4034906.1293	9+647.32	263620.5729	4034907.2917	18.48	11.83	6.123	36.6627	N84° 15' 39.74"W
C362	9+654.69	263613.3766	4034905.6841	9+651.00	263616.9816	4034908.4894	9+658.07	263610.1137	4034907.4157	10.00	7.08	3.694	40.5475	N82° 19' 07.15"W
C363	9+674.48	263595.6256	4034915.1046	9+662.79	263605.9436	4034909.6288	9+685.23	263584.1730	4034912.8060	32.71	22.44	11.681	39.3041	N81° 41' 49.10"W
C364	9+697.65	263571.9951	4034910.3618	9+694.35	263575.2309	4034911.0112	9+700.86	263569.2774	4034908.4892	16.06	6.51	3.300	23.2188	S67° 02' 29.62"W
C365	9+706.88	263564.3264	4034905.0779	9+702.20	263568.1768	4034907.7309	9+710.52	263560.3039	4034907.4617	7.31	8.32	4.676	65.2195	S88° 02' 30.83"W
C366	9+746.16	263529.6429	4034925.6318	9+740.94	263534.1376	4034922.9683	9+751.06	263524.4329	4034925.2418	16.60	10.12	5.225	34.9325	N76° 48' 52.57"W
C367	9+772.29	263503.2629	4034923.6572	9+760.39	263515.1324	4034924.5457	9+782.51	263495.3060	4034932.5094	24.23	22.13	11.903	52.3300	N68° 06' 57.04"W
C368	9+809.46	263477.2914	4034952.5513	9+787.26	263492.1352	4034936.0371	9+822.90	263459.8968	4034938.7496	23.61	35.64	22.205	86.4795	N85° 11' 26.22"W
C369	9+845.27	263442.3679	4034924.8412	9+839.32	263447.0340	4034928.5434	9+851.15	263438.8992	4034919.9989	42.51	11.84	5.956	15.9539	S43° 35' 33.56"W
C370	9+863.51	263431.7009	4034909.9503	9+859.97	263433.7635	4034912.8296	9+867.03	263430.2399	4034906.7238	35.95	7.06	3.542	11.2529	S29° 59' 21.37"W
C371	9+950.93	263395.6299	4034830.2948	9+870.58	263428.7766	4034903.4926	9+893.90	263413.8501	4034908.5549	7.92	23.32	80.353	168.7431	N71° 15' 56.26"W
C372	9+909.49	263417.3852	4034923.7391	9+904.83	263415.2832	4034919.0058	9+914.34	263417.9816	4034928.5622	91.86	9.71	4.860	6.0569	N10° 04' 38.85"E
C373	9+944.67	263421.7030	4034958.6580	9+927.57	263419.8044	4034941.6857	9+951.32	263404.8297	4034955.8732	12.79	23.75	17.102	106.4206	N46° 09' 40.68"W
C374	9+965.29	263391.0470	4034953.5956	9+960.53	263395.7438	4034954.3737	9+969.71	263386.8432	4034955.8321	14.08	9.18	4.760	37.3540	N80° 41' 40.54"W
C375	9+976.51	263380.8352	4034959.0243	9+971.89	263384.9210	4034956.8534	9+980.55	263376.5356	4034957.3154	10.00	8.67	4.627	49.6574	N86° 50' 46.59"W
C376	10+002.38	263356.2554	4034949.2552	9+995.83	263362.5289	4034951.7486	10+007.82	263351.0440	4034953.5485	11.43	12.20	6.751	61.1441	N81° 06' 10.49"W
C377	10+023.14	263339.2197	4034963.2830	10+021.15	263340.7562	4034962.0178	10+025.02	263338.6127	4034965.1786	6.77	3.87	1.990	32.7758	N34° 08' 34.67"W
C378	10+027.43	263337.8786	4034967.4714	10+025.09	263338.5906	4034965.2476	10+029.63	263336.0681	4034968.9462	7.86	4.54	2.335	33.0800	N34° 17' 42.27"W
C379	10+063.39	263309.8917	4034990.2684	10+052.21	263318.5640	4034983.2043	10+073.77	263307.3255	4035001.1554	32.88	21.56	11.185	37.5715	N32° 02' 57.66"W
C380	10+092.41	263303.0496	4035019.2948	10+086.35	263304.4396	4035013.3982	10+098.41	263300.3516	4035024.7191	52.43	12.06	6.058	13.1821	N19° 51' 16.79"W
C381	10+137.72	263282.8472	4035059.9110	10+123.62	263289.1255	4035047.2887	10+148.66	263268.7587	4035059.4049	21.87	25.04	14.098	65.6117	N59° 13' 05.64"W
C382	10+163.42	263254.0121	4035058.8752	10+157.16	263260.2793	4035059.1000	10+169.25	263248.8636	4035062.4403	18.65	12.09	6.262	36.7593	N73° 40' 39.92"W
C383	10+189.05	263232.5848	4035073.7132	10+182.32	263238.1210	4035069.9795	10+195.68	263226.1519	4035075.7041	43.74	13.36	6.734	17.5053	N64° 03' 02.74"W
C384	10+205.42	263216.8449	4035078.5844	10+201.14	263220.9350	4035077.3186	10+209.68	263213.0235	4035080.5150	50.95	8.54	4.281	9.6062	N68° 00' 01.26"W
C385	10+245.40	263181.1412	4035096.6218	10+240.31	263185.6849	4035094.3264	10+250.38	263176.0758	4035097.1283	27.34	10.07	5.091	21.0927	N73° 44' 37.03"W
C386	10+277.14	263149.4444	4035099.7912	10+260.88	263165.6277	4035093.1730	10+292.09	263138.0454	4035111.3922	44.94	31.21	16.264	39.7930	N64° 23' 36.40"W
C387	10+301.35	263131.5580	4035117.9945	10+292.98	263137.4187	4035112.0300	10+309.41	263128.9822	4035125.9499	35.43	16.42	8.362	26.5563	N31° 13' 07.57"W
C388	10+339.07	263119.8460	4035154.1677	10+321.99	263125.1065	4035137.9204	10+354.31	263104.5364	4035161.7352	40.47	32.32	17.078	45.7566	N40° 49' 08.09"W
C389	10+376.46	263084.6797	4035171.5502	10+365.93	263094.1214	4035166.8832	10+386.47	263079.0139	4035180.4285	37.78	20.54	10.532	31.1531	N48° 07' 14.45"W
C390	10+401.14	263071.1200	4035192.7954	10+395.62	263074.0918	4035185.1416	10+406.66	263068.7247	4035197.7764	92.33	11.04	5.524	6.8453	N29° 07' 11.99"W
C391	10+426.99	263059.9082	4035216.0993	10+421.43	263062.3198	4035211.0873	10+432.05	263054.7695	4035218.2275	14.56	10.63	5.562	41.8068	N46° 35' 57.35"W
C392	10+446.70	263041.2413	4035223.8303	10+439.94	263047.4872	4035221.2435	10+453.13	263037.1874	4035229.2403	24.66	13.20	6.760	30.6569	N52° 10' 27.30"W
C393	10+461.20	263032.3477	4035235.6999	10+457.97	263034.2857	4035233.1126	10+464.42	263029.9624	4035237.8795	34.45	6.44	3.232	10.7194	N42° 12' 13.94"W
C394	10+474.38	263022.6105	4035244.6010	10+470.06	263025.7981	4035241.6867	10+478.67	263020.0654	4035248.0904	43.04	8.61	4.319	11.4597	N41° 50' 07.52"W
C395	10+501.71	263006.4844	4035266.7108	10+488.81	263014.0900	4035256.2830	10+514.59	263000.2822	4035278.0296	200.00	25.78	12.907	7.3848	N32° 24' 47.51"W
C396	10+538.14	262986.9625	4035298.6876	10+535.10	262990.4223	4035296.0236	10+541.17	262987.7910	4035301.4904	57.61	6.07	3.038	6.0370	N25° 42' 08.35"W
C397	10+543.45	262984.9847	4035308.2046	10+543.94	262986.7620	4035303.9523	10+553.02	262982.2833	4035311.9386	39.83	9.18	4.609	13.1993	N29° 17' 00.49"W
C398	10+596.06	262957.0553	4035346.8114	10+587.68	262961.9645	4035340.0254	10+604.12	262955.8073	4035355.0934	34.47	16.43	8.376	27.3134	N22° 13' 35.05"W
C399	10+629.80	262951.9799	4035380.4914	10+609.63	262954.9851	4035360.5496	10+649.47	262941.7111	4035397.8483	103.58	39.84	20.167	22.0399	N19° 35' 02.81"W
C400	10+683.41	262924.4298	4035427.0583	10+679.58	262926.3792	4035423.7633	10+687.22	262921.9119	4035429.9423	41.61	7.64	3.826	10.5133	N35° 51' 58.61"W

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



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA</p> <p>COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P)</p> <p>J.V.</p> <p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	INAM ULLAH				
		c			CHECKED	S.DURRANI				
d			APPROVED	AGEEL YOUNIS						
DATE: AUG, 2024. DWG NO: CEC/KP-RRDP/PIU/N-CHT-6/HCD-19										

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	10+707.82	262908.3603	4035445.4642	10+702.53	262911.8426	4035441.4756	10+713.02	262906.3724	4035450.3717	31.52	10.49	5.295	19.0713	N31° 35' 14.11"W
C402	10+737.58	262897.1524	4035473.1330	10+730.16	262899.9350	4035466.2636	10+744.49	262890.8556	4035477.0422	22.73	14.33	7.412	36.1152	N40° 06' 33.10"W
C403	10+806.06	262838.5497	4035509.5152	10+800.48	262843.2880	4035506.5736	10+811.59	262833.2744	4035511.3254	49.36	11.11	5.577	12.8943	N64° 36' 50.25"W
C404	10+838.13	262808.1739	4035519.9382	10+834.44	262811.6638	4035518.7407	10+841.82	262804.6422	4035521.0062	200.00	7.38	3.690	2.1138	N72° 07' 04.78"W
C405	10+852.75	262794.1791	4035524.1702	10+847.44	262799.2611	4035522.6334	10+857.88	262790.2745	4035527.7678	23.15	10.44	5.309	25.8316	N60° 15' 32.64"W
C406	10+888.25	262767.9347	4035548.3512	10+882.87	262771.8901	4035544.7067	10+893.57	262765.0721	4035552.9046	40.34	10.69	5.378	15.1873	N39° 44' 58.64"W
C407	10+925.84	262747.8982	4035580.2228	10+906.20	262758.3484	4035563.5999	10+928.26	262740.5264	4035562.0244	10.05	22.06	19.635	125.7921	S84° 56' 52.61"W
C408	10+942.14	262735.3183	4035549.1674	10+938.61	262736.6440	4035552.4402	10+945.66	262734.4469	4035545.7456	52.04	7.05	3.531	7.7640	S18° 10' 11.60"W
C409	10+956.73	262731.7000	4035534.9595	10+953.40	262732.5354	4035538.2401	10+960.16	262730.3737	4035531.8447	44.12	6.76	3.385	8.7757	S18° 40' 32.69"W
C410	11+021.94	262706.1599	4035474.9995	11+003.13	262713.5388	4035492.3081	11+022.55	262698.1239	4035492.0019	8.45	19.41	18.810	131.6118	S88° 52' 10.23"W
C411	11+033.13	262693.5956	4035501.5710	11+028.69	262695.4953	4035497.5567	11+037.47	262693.2880	4035506.0015	23.56	8.78	4.441	21.3529	N14° 38' 53.18"W
C412	11+047.86	262692.5825	4035516.1635	11+040.70	262693.0841	4035509.2258	11+054.05	262687.7680	4035521.1800	19.18	13.34	6.954	39.8632	N23° 54' 11.55"W

Project Director (PIU)
Provincial Roads Improvement Project
Islamabad



<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	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	FLOOD AFFECTED ROAD	H.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	INAM ULLAH					
		c			CHECKED	S.DURRANI					
		d			APPROVED	AOEEL YOUNIS					
e											
										DATE: AUG, 2024	DWG NO: CEC/KP-RRDP/RRN-CHT-6/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
C413	11+066.36	262658.8894	4035554.1793	11+060.91	262662.0026	4035549.8503	11+071.54	262653.8061	4035556.1485	19.40	10.63	5.451	31.3958	N53° 07' 36.88"W
C414	11+132.35	262596.9013	4035578.1145	11+126.53	262602.3268	4035576.0128	11+138.08	262591.0984	4035578.5369	38.90	11.55	5.818	17.0123	N77° 13' 51.55"W
C415	11+149.69	262579.5221	4035579.3794	11+146.42	262582.7774	4035579.1425	11+152.94	262576.3311	4035580.0649	46.91	6.52	3.264	7.9595	N81° 51' 26.69"W
C416	11+211.47	262519.1044	4035592.3565	11+203.03	262527.3581	4035590.5837	11+219.87	262510.6696	4035592.7016	98.68	16.84	8.442	9.7793	N82° 46' 02.29"W
C417	11+239.28	262491.2771	4035593.4951	11+234.67	262495.8841	4035593.3066	11+243.88	262486.7153	4035594.1664	87.58	9.21	4.611	6.0276	N84° 38' 35.35"W
C418	11+281.53	262449.4726	4035599.6464	11+272.83	262458.0802	4035598.3798	11+290.15	262440.8034	4035598.9121	75.13	17.32	8.700	13.2120	N88° 14' 07.33"W
C419	11+341.71	262389.4288	4035594.5607	11+326.06	262405.0191	4035595.8812	11+354.51	262380.3343	4035607.2922	27.49	28.45	15.646	59.3018	N65° 11' 25.75"W
C420	11+379.81	262365.6283	4035627.8791	11+356.02	262379.4590	4035608.5175	11+401.46	262342.3951	4035633.0147	61.99	45.44	23.794	41.9958	N56° 32' 15.05"W
C421	11+416.22	262327.9785	4035636.2014	11+405.30	262338.6393	4035633.8449	11+427.09	262317.0725	4035636.7165	127.87	21.78	10.918	9.7607	N82° 24' 56.69"W
C422	11+457.65	262286.5469	4035638.1581	11+451.39	262292.7961	4035637.8630	11+463.75	262280.6376	4035636.1038	32.38	12.36	6.256	21.8740	S81° 46' 01.01"W
C423	11+480.43	262264.2806	4035630.6259	11+474.25	262270.7167	4035632.6548	11+486.50	262258.7020	4035630.6113	36.85	12.24	6.179	19.0352	S80° 20' 51.24"W
C424	11+514.63	262230.5720	4035630.5451	11+509.07	262236.1310	4035630.5582	11+520.17	262225.0643	4035631.2996	80.16	11.10	5.559	7.9345	N86° 10' 03.32"W
C425	11+537.31	262208.0759	4035633.6266	11+531.10	262214.2329	4035632.7832	11+543.51	262201.8615	4035633.6272	91.23	12.41	6.214	7.7938	N86° 05' 50.16"W
C426	11+566.74	262178.6337	4035633.6296	11+560.15	262185.2201	4035633.6289	11+573.22	262172.3659	4035635.6534	41.85	13.07	6.586	17.8889	N81° 02' 59.10"W
C427	11+594.03	262152.5617	4035642.0479	11+584.87	262161.2760	4035639.2342	11+603.03	262143.4044	4035642.0068	57.33	18.16	9.157	18.1518	N81° 10' 52.41"W
C428	11+624.09	262122.3417	4035641.9123	11+614.99	262131.4450	4035641.9531	11+633.16	262113.3617	4035640.4186	113.31	18.17	9.103	9.1864	S85° 08' 58.76"W
C429	11+681.94	262065.2383	4035632.4143	11+676.20	262070.9019	4035633.3563	11+687.67	262059.5035	4035632.1366	98.51	11.47	5.741	6.6715	S83° 53' 31.90"W
C430	11+720.23	262026.9840	4035630.5620	11+699.42	262047.7721	4035631.5686	11+740.73	262006.8252	4035635.7369	137.86	41.31	20.812	17.1694	N84° 11' 14.49"W
C431	11+786.13	261962.8494	4035647.0258	11+773.76	261974.8350	4035643.9490	11+797.92	261950.9659	4035643.5755	45.25	24.16	12.374	30.5879	S89° 06' 12.27"W
C432	11+818.79	261930.9192	4035637.7550	11+815.17	261934.3932	4035638.7637	11+822.40	261927.3402	4035637.2281	52.95	7.22	3.618	7.8161	S77° 43' 03.04"W
C433	11+853.22	261896.8417	4035632.7384	11+848.71	261901.3110	4035633.3963	11+857.72	261892.3244	4035632.7752	58.44	9.02	4.517	8.8412	S86° 02' 46.08"W
C434	11+888.53	261861.5210	4035633.0261	11+881.48	261868.5654	4035632.9687	11+895.52	261854.6574	4035634.6130	64.06	14.03	7.045	12.5514	N83° 15' 27.27"W
C435	11+936.60	261814.6249	4035643.8085	11+920.30	261830.5101	4035640.1959	11+948.66	261812.8369	4035660.0743	22.99	28.36	16.304	70.6821	N41° 38' 26.86"W
C436	11+986.33	261808.7031	4035697.5103	11+980.71	261809.3198	4035691.9238	11+991.92	261807.0637	4035702.8862	60.25	11.21	5.620	10.6590	N11° 37' 45.18"W
C437	12+002.88	261803.8659	4035713.3731	11+996.41	261805.7536	4035707.1826	12+009.27	261803.7175	4035719.8432	47.11	12.86	6.472	15.6455	N3° 08' 09.37"W
C438	12+024.32	261803.3727	4035734.8850	12+016.44	261803.5533	4035727.0067	12+032.16	261801.9604	4035742.6378	100.00	15.73	7.880	9.0116	N5° 49' 08.29"W
C439	12+068.50	261795.4478	4035778.3861	12+060.17	261796.9400	4035770.1954	12+076.73	261791.9211	4035785.9278	64.38	16.56	8.326	14.7374	N17° 41' 36.44"W
C440	12+089.75	261786.4091	4035797.7149	12+084.01	261788.8377	4035792.5215	12+094.30	261780.6792	4035797.9069	9.35	10.29	5.733	63.0185	N56° 34' 17.01"W
C441	12+129.75	261745.2473	4035799.0943	12+105.07	261769.9099	4035798.2678	12+149.88	261733.5282	4035820.8105	42.98	44.80	24.676	59.7272	N58° 13' 01.31"W
C442	12+185.33	261716.6904	4035852.0119	12+174.21	261721.9730	4035842.2230	12+195.74	261706.7085	4035856.9201	34.79	21.53	11.123	35.4631	N46° 05' 05.80"W
C443	12+217.14	261687.5053	4035866.3624	12+208.57	261695.1902	4035862.5837	12+225.56	261681.3965	4035872.3639	53.14	16.98	8.564	18.3091	N54° 33' 42.94"W
C444	12+262.66	261654.9318	4035898.3640	12+255.53	261660.0140	4035893.3710	12+269.68	261648.6335	4035901.6941	48.76	14.15	7.124	16.6257	N53° 49' 12.81"W
C445	12+297.18	261624.3185	4035914.5503	12+291.34	261629.4807	4035911.8208	12+302.90	261620.4054	4035918.8845	33.02	11.56	5.839	20.0567	N52° 06' 17.01"W
C446	12+322.53	261607.2568	4035933.4485	12+316.63	261611.2053	4035929.0749	12+328.03	261601.4956	4035934.6841	18.23	11.40	5.892	35.8182	N59° 59' 07.71"W
C447	12+353.38	261576.7263	4035939.9967	12+345.54	261584.3760	4035938.3559	12+360.88	261569.1976	4035937.8688	31.51	15.34	7.824	27.8875	S88° 09' 42.05"W
C448	12+401.16	261530.4325	4035926.9125	12+391.88	261539.3661	4035929.4374	12+410.17	261521.2423	4035928.2254	43.84	18.30	9.284	23.9127	S86° 10' 27.36"W
C449	12+428.75	261502.8509	4035930.8529	12+424.22	261507.3414	4035930.2114	12+433.24	261498.3435	4035930.3442	35.48	9.02	4.536	14.5706	N89° 09' 16.94"W
C450	12+491.73	261440.2237	4035923.7839	12+466.98	261464.8125	4035926.5594	12+513.11	261427.0432	4035902.8413	51.44	46.13	24.745	51.3752	S57° 52' 20.61"W
C451	12+534.43	261415.6903	4035884.8026	12+530.90	261417.5702	4035887.7895	12+537.95	261413.5970	4035881.9612	96.37	7.08	3.529	4.1945	S34° 16' 55.41"W
C452	12+563.85	261398.2391	4035861.1145	12+558.16	261401.6098	4035865.6899	12+569.49	261394.0357	4035867.2898	57.34	11.33	5.683	11.3211	S42° 02' 23.62"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 SON BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA AUG, 2024 DWG NO: CEC/PIU/RRDPWIN-DHT-6/1/CD-12
		b			DRAWN	INAM ULLAH				
		c			CHECKED	S.DURRANI				
d			APPROVED	AOEEL 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
C453	12+611.25	261363.1506	4035829.1870	12+593.21	261376.4889	4035841.3237	12+615.70	261358.4861	4035846.6068	10.98	22.49	18.034	117.3092	N73° 38' 41.77"W
C454	12+630.31	261354.7082	4035850.7159	12+621.19	261357.0684	4035851.9014	12+639.33	261354.7650	4035869.8406	67.72	18.14	9.125	15.3472	N7° 19' 00.28"W
C455	12+688.54	261355.0715	4035919.0497	12+675.00	261354.9872	4035905.5186	12+701.38	261348.0660	4035930.6263	47.92	26.38	13.531	31.5369	N15° 24' 41.75"W
C456	12+727.61	261354.4861	4035953.0670	12+704.04	261346.6904	4035932.8995	12+748.22	261311.2311	4035956.9239	51.25	44.19	23.573	49.4029	N55° 52' 53.25"W
C457	12+775.96	261283.8699	4035961.4620	12+766.02	261293.6798	4035959.8349	12+785.01	261277.6411	4035969.2133	26.04	19.00	9.944	41.7982	N59° 41' 01.57"W
C458	12+809.27	261262.4496	4035988.1181	12+800.07	261268.2118	4035980.9474	12+817.31	261253.2552	4035988.4095	20.00	17.24	9.199	49.4000	N63° 29' 04.74"W
C459	12+846.88	261223.7039	4035989.3461	12+836.68	261233.8997	4035989.0230	12+857.03	261213.6070	4035987.8934	116.56	20.35	10.201	10.0029	S86° 48' 50.12"W
C460	12+881.84	261189.0433	4035984.3592	12+870.76	261200.0125	4035985.9374	12+892.88	261177.9613	4035984.4180	149.27	22.12	11.082	8.4919	S86° 03' 30.35"W
C461	12+909.76	261161.0814	4035984.5077	12+903.14	261167.7029	4035984.4725	12+915.93	261155.7471	4035980.5846	20.00	12.79	6.622	36.6373	S71° 59' 08.56"W
C462	12+924.13	261149.1465	4035975.7301	12+916.37	261155.3943	4035980.3251	12+930.66	261141.8072	4035978.2369	14.84	14.29	7.756	55.1910	S81° 15' 45.26"W
C463	12+951.73	261121.8728	4035985.0457	12+941.82	261131.2465	4035981.8440	12+960.92	261112.4845	4035981.8870	29.22	19.10	9.905	37.4540	N89° 52' 08.03"W
C464	12+988.06	261086.7685	4035973.2348	12+977.72	261096.5641	4035976.5304	12+996.95	261083.3259	4035963.4896	21.21	19.23	10.335	51.9475	S45° 25' 49.35"W
C465	13+029.18	261072.5935	4035933.1092	13+020.49	261075.4880	4035941.3027	13+037.74	261072.2014	4035924.4283	58.60	17.25	8.690	16.8702	S11° 01' 17.45"W
C466	13+068.88	261070.7963	4035893.3228	13+054.02	261071.4666	4035908.1631	13+078.30	261055.9779	4035892.2745	16.68	24.27	14.855	83.3673	S44° 16' 12.17"W
C467	13+096.59	261037.7283	4035890.9836	13+084.85	261049.4403	4035891.8121	13+104.35	261036.5930	4035879.2973	13.89	19.50	11.741	80.4047	S45° 45' 04.85"W
C468	13+114.88	261035.5740	4035868.8084	13+107.40	261036.2971	4035876.2522	13+122.30	261033.2764	4035861.6912	69.17	14.90	7.479	12.3422	S11° 43' 12.25"W
C469	13+149.40	261024.9511	4035835.9021	13+142.42	261027.0954	4035842.5445	13+156.33	261024.3363	4035828.9493	62.04	13.90	6.980	12.6380	S11° 28' 19.81"W
C470	13+169.42	261023.1833	4035815.9092	13+164.03	261023.6574	4035821.2713	13+174.75	261021.5322	4035810.7856	47.96	10.72	5.383	12.8083	S11° 27' 26.47"W
C471	13+232.33	261003.8742	4035755.9896	13+202.12	261013.1380	4035784.7369	13+231.50	260990.1913	4035782.9155	12.45	29.38	30.203	135.2003	S85° 27' 41.98"W
C472	13+287.64	260964.7573	4035832.9659	13+277.66	260969.2783	4035824.0692	13+297.50	260962.7395	4035842.7393	74.43	19.84	9.980	15.2732	N19° 18' 05.73"W
C473	13+316.98	260958.8016	4035861.8140	13+308.62	260960.8951	4035851.6732	13+327.26	260958.7669	4035872.1685	103.07	20.64	10.355	11.4732	N5° 55' 42.14"W
C474	13+360.76	260958.6548	4035905.6605	13+344.36	260958.7097	4035889.2626	13+368.46	260942.4924	4035902.8910	13.87	24.10	16.398	99.5316	N49° 57' 27.15"W
C475	13+386.35	260924.8585	4035890.8694	13+380.33	260930.7941	4035900.8865	13+392.28	260918.8857	4035900.6390	40.14	11.96	6.022	17.0659	S88° 48' 34.67"W
C476	13+414.40	260896.9461	4035903.4661	13+409.69	260901.6185	4035902.8641	13+419.11	260892.2361	4035903.5655	87.92	9.41	4.711	6.1347	N85° 43' 29.15"W
C477	13+448.81	260862.5392	4035904.1916	13+441.93	260869.4184	4035904.0466	13+455.61	260855.8612	4035902.5337	51.74	13.68	6.881	15.1501	S83° 37' 58.14"W
C478	13+515.11	260798.1091	4035888.1963	13+495.68	260816.9712	4035892.8790	13+532.50	260788.1788	4035871.4903	46.54	36.82	19.435	45.3298	S53° 23' 34.33"W
C479	13+559.85	260774.2029	4035847.9784	13+538.04	260785.3491	4035866.7298	13+578.11	260752.4202	4035846.8105	40.85	40.07	21.814	56.2029	S56° 49' 45.96"W
C480	13+609.11	260721.4608	4035845.1505	13+602.06	260728.5028	4035845.5281	13+616.12	260714.4799	4035846.1507	71.78	14.06	7.052	11.2224	N87° 27' 28.57"W
C481	13+637.81	260693.0103	4035849.2266	13+627.24	260703.4783	4035847.7289	13+648.21	260682.5881	4035847.4360	67.14	20.98	10.575	17.9020	S89° 12' 08.15"W
C482	13+672.06	260659.0877	4035843.3984	13+659.98	260670.9946	4035845.4441	13+684.00	260647.0587	4035844.5217	91.25	24.02	12.081	15.0835	S87° 47' 34.96"W
C483	13+713.74	260617.4506	4035847.2865	13+706.44	260624.7173	4035846.6079	13+720.90	260610.3645	4035845.5396	43.19	14.46	7.298	19.1830	S85° 44' 35.97"W
C484	13+819.38	260514.7459	4035821.9682	13+796.69	260536.7760	4035827.3990	13+839.48	260503.7358	4035802.1289	52.03	42.79	22.690	47.1234	S52° 35' 24.54"W
C485	13+853.03	260497.1626	4035790.2843	13+845.09	260501.0157	4035797.2273	13+860.07	260489.4628	4035788.3435	18.34	14.99	7.941	46.8246	S52° 26' 26.83"W
C486	13+871.68	260478.2088	4035785.5069	13+861.67	260487.9183	4035787.9542	13+881.56	260469.5913	4035780.4077	69.20	19.89	10.013	16.4672	S67° 37' 10.27"W
C487	13+904.45	260449.8856	4035768.7472	13+901.02	260452.8396	4035770.4952	13+907.86	260446.6549	4035767.5879	36.06	6.84	3.432	10.8742	S64° 49' 22.88"W
C488	13+921.58	260433.7501	4035762.9572	13+914.92	260440.0136	4035765.2048	13+927.85	260429.7543	4035757.6359	22.21	12.93	6.655	33.3569	S53° 34' 53.95"W
C489	13+952.99	260414.6570	4035737.5305	13+947.82	260417.7668	4035741.6720	13+957.98	260409.9969	4035735.2709	21.38	10.16	5.179	27.2287	S50° 31' 03.13"W
C490	13+980.56	260389.6760	4035725.4176	13+976.10	260393.6908	4035727.3643	13+985.02	260385.8799	4035723.0726	87.51	8.92	4.462	5.8376	S61° 12' 47.13"W
C491	14+037.63	260341.1169	4035695.4202	14+031.80	260346.0786	4035698.4853	14+043.38	260335.4716	4035693.9560	38.64	11.58	5.832	17.1660	S66° 52' 38.30"W
C492	14+069.74	260309.9474	4035687.3362	14+062.26	260317.1967	4035689.2163	14+077.17	260302.4625	4035687.0833	67.81	14.92	7.489	12.6047	S81° 45' 45.61"W

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

[Signature]
Minconsult International Ltd.
Creative Engineering Consultants
JV

 <p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	 <p>MINCONSULT SDN BHD COMPANY NO. 5805-P1 J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES	PROJECT	ROAD NAME	SCALE	SHEET CONTENT	
		1	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-4 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		2			DRAWN	IMAMULLAH			DATE	
		3			CHECKED	S.DURRANI			AUG, 2024	
4			APPROVED	ADIFL YOUSUF	DWG NO. CEC/P-RRDP/RRD/N-CHT-4 HCB-11					

Curve Table: Alignments

Curve #	Pt 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
C493	14+181.36	260198.3347	4035683.5654	14+176.49	260203.1998	4035683.7298	14+186.18	260193.5831	4035684.6232	38.30	9.68	4.868	14.4860	N84° 41' 31.12"W
C494	14+199.62	260180.4628	4035687.5442	14+193.74	260186.1965	4035686.2677	14+205.47	260174.6019	4035687.9373	77.10	11.73	5.874	8.7138	N81° 48' 21.12"W
C495	14+227.30	260152.8160	4035689.3986	14+217.20	260162.9011	4035688.7221	14+237.18	260143.6472	4035693.6531	54.39	19.99	10.108	21.0553	N75° 38' 06.30"W
C496	14+311.05	260076.6463	4035724.7433	14+299.29	260087.3079	4035719.7961	14+322.75	260065.3456	4035727.9737	150.35	23.46	11.753	8.9397	N69° 34' 38.12"W
C497	14+368.99	260020.8918	4035740.6811	14+359.42	260030.0915	4035738.0513	14+378.27	260011.4225	4035739.3037	44.64	18.85	9.568	24.1937	N86° 08' 38.28"W
C498	14+387.40	260002.3843	4035738.0007	14+380.34	260009.3761	4035739.0133	14+394.21	259995.6861	4035740.2466	29.68	13.87	7.065	26.7773	N84° 51' 07.87"W
C499	14+451.10	259941.7424	4035758.3341	14+437.37	259954.7683	4035753.9665	14+463.74	259928.9196	4035753.4019	38.19	26.38	13.739	39.5754	S28° 44' 55.61"W
C500	14+513.50	259882.4791	4035735.5389	14+506.37	259889.1321	4035738.0979	14+520.53	259876.8465	4035731.1704	48.40	14.15	7.128	16.7570	S60° 34' 57.30"W
C501	14+531.65	259868.0558	4035724.3527	14+523.76	259874.2944	4035729.1911	14+539.43	259860.6642	4035721.5787	52.13	15.67	7.895	17.2253	S60° 49' 00.20"W
C502	14+572.49	259829.7120	4035709.9626	14+570.66	259831.4176	4035710.6027	14+574.31	259828.0231	4035709.2795	143.88	3.64	1.822	1.4508	S68° 42' 14.27"W
C503	14+605.15	259799.4347	4035697.7166	14+599.30	259804.8564	4035699.9095	14+610.87	259793.5899	4035697.5438	32.62	11.57	5.848	20.3278	S78° 08' 32.76"W
C504	14+631.86	259772.8094	4035696.9234	14+624.46	259780.0030	4035697.1420	14+638.53	259767.4188	4035691.6536	18.43	14.07	7.397	43.7398	S66° 26' 10.99"W
C505	14+661.62	259751.2146	4035675.2024	14+647.61	259761.0498	4035685.1875	14+666.63	259744.9721	4035687.7509	10.00	19.02	14.015	108.9845	N80° 56' 28.54"W
C506	14+677.48	259740.1410	4035697.4622	14+673.08	259742.0985	4035693.5273	14+681.36	259735.9186	4035698.6810	10.00	6.28	4.395	47.4496	N50° 10' 25.68"W
C507	14+701.05	259717.0032	4035704.1411	14+694.15	259723.6303	4035702.2282	14+707.63	259710.3140	4035702.4586	25.55	13.47	6.898	30.2197	N89° 00' 30.48"W
C508	14+725.82	259692.6666	4035698.0199	14+719.88	259698.4258	4035693.4685	14+731.74	259686.7507	4035697.5020	74.50	11.85	5.939	9.1150	S80° 26' 21.09"W
C509	14+760.29	259658.3069	4035695.0118	14+753.92	259664.6551	4035695.5678	14+766.65	259651.9351	4035695.1117	123.63	12.73	6.373	5.9015	S87° 56' 50.82"W
C510	14+801.73	259616.6612	4035695.6616	14+790.62	259627.9656	4035695.4875	14+812.64	259606.2971	4035692.2668	67.46	22.01	11.106	18.6976	S81° 32' 57.76"W
C511	14+836.66	259583.4171	4035684.9242	14+831.40	259588.4253	4035686.5321	14+841.91	259578.5701	4035682.8816	119.23	10.51	5.260	5.0520	S69° 40' 28.36"W
C512	14+878.69	259544.8756	4035668.5978	14+869.54	259553.1060	4035672.1506	14+887.36	259539.3947	4035661.1275	32.02	17.82	9.148	31.8913	S51° 12' 10.44"W
C513	14+909.22	259528.7812	4035643.2847	14+903.27	259530.2152	4035648.1424	14+914.89	259521.3843	4035640.7822	22.31	11.63	5.949	29.8663	S50° 11' 25.46"W
C514	14+928.78	259508.7375	4035634.9413	14+924.08	259513.0526	4035636.9190	14+933.40	259505.3360	4035631.7493	29.87	9.33	4.701	17.8862	S56° 10' 49.67"W
C515	14+946.08	259496.0322	4035623.1452	14+939.20	259501.0807	4035627.9140	14+951.25	259489.8658	4035626.1882	10.00	12.05	6.876	69.0276	S81° 45' 04.26"W
C516	14+974.88	259468.6699	4035636.6477	14+965.41	259477.1612	4035632.4575	14+983.39	259459.6831	4035633.6648	23.07	17.97	9.469	44.6273	N86° 02' 55.21"W
C517	15+007.40	259436.8929	4035626.1001	14+991.97	259451.5307	4035630.9588	15+021.46	259422.7088	4035632.1569	40.72	29.49	15.423	41.4856	N87° 37' 10.36"W
C518	15+051.26	259395.3025	4035643.8599	15+044.65	259401.3816	4035641.2640	15+057.81	259390.0399	4035647.8597	53.40	13.15	6.610	14.1134	N59° 49' 12.24"W
C519	15+081.92	259370.8449	4035662.4488	15+067.94	259381.9712	4035653.9923	15+094.32	259357.0622	4035660.1378	32.33	26.38	13.975	46.7551	N76° 08' 27.50"W
C520	15+105.57	259345.9641	4035658.2770	15+096.91	259354.5145	4035659.7106	15+113.60	259338.3559	4035662.4338	25.06	16.69	8.670	38.1692	N80° 26' 01.98"W
C521	15+126.95	259326.6400	4035668.8350	15+119.60	259333.0864	4035665.3129	15+134.21	259319.5034	4035670.5760	56.02	14.61	7.346	14.9412	N68° 49' 11.61"W
C522	15+166.38	259288.2518	4035678.1998	15+153.20	259301.0551	4035675.0764	15+179.07	259275.4197	4035675.1973	55.15	25.87	13.179	26.8789	N89° 43' 47.74"W
C523	15+190.23	259264.5548	4035672.6551	15+184.20	259270.4286	4035674.0294	15+196.22	259258.5251	4035672.4725	60.25	12.02	6.032	11.4353	S82° 32' 53.77"W
C524	15+212.38	259242.3809	4035671.9838	15+207.21	259247.5402	4035672.1400	15+217.22	259238.2138	4035668.9377	16.66	10.01	5.162	34.4321	S71° 02' 59.54"W
C525	15+228.54	259229.0760	4035662.2587	15+222.18	259234.2104	4035666.0113	15+234.62	259222.7616	4035661.4977	24.33	12.44	6.360	29.2988	S68° 28' 59.59"W
C526	15+260.76	259196.8097	4035658.3721	15+256.48	259201.0668	4035658.8848	15+264.95	259192.6627	4035659.4623	22.48	8.47	4.288	21.5970	N86° 04' 07.96"W
C527	15+279.38	259178.7048	4035683.1318	15+273.76	259184.1420	4035661.7024	15+284.88	259173.1139	4035662.5409	30.69	11.12	5.622	20.7635	N85° 39' 07.70"W
C528	15+305.35	259152.7555	4035660.3889	15+297.94	259160.1301	4035661.1685	15+312.77	259145.3488	4035660.0219	265.75	14.83	7.416	3.1068	S85° 33' 52.20"W
C529	15+343.24	259114.3083	4035658.4836	15+338.22	259119.9297	4035658.7622	15+349.34	259108.9757	4035660.2839	29.66	11.12	5.628	21.4918	N82° 05' 28.36"W
C530	15+366.72	259092.5061	4035665.8440	15+357.46	259101.2799	4035662.8820	15+375.34	259083.7137	4035662.9374	27.72	17.87	9.260	36.9476	N89° 49' 08.80"W
C531	15+421.27	259040.1044	4035648.5211	15+410.77	259050.0744	4035651.8170	15+431.68	259031.1074	4035643.1065	94.00	20.91	10.501	12.7475	S65° 20' 00.09"W
C532	15+446.73	259018.2136	4035635.3467	15+441.26	259022.9023	4035638.1685	15+452.11	259012.8757	4035634.1411	33.95	10.85	5.472	18.3132	S68° 06' 58.39"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 SON BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		a	AUGUST, 2024.	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN: INAM ULLAH				DATE:	
		c			CHECKED: S.DURRANI				AUG, 2024.	
d			APPROVED: AQEEL YOUNIS	DWG NO: CEC/KP-RRDP/RRIN-CHT-6/HCD-14						

Curve Table: Alignments

Curve #	Pt Station	Pt Easting	Pt Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C533	15+464.41	259000.8757	4035631.4308	15+456.56	259008.5369	4035633.1612	15+471.94	258994.9713	4035628.2515	30.89	15.38	7.854	28.5301	S63° 00' 28.03"W
C534	15+490.17	258981.2699	4035614.2325	15+478.04	258990.3853	4035622.2286	15+501.72	258969.3658	4035611.9260	44.80	23.68	12.125	30.2915	S63° 53' 18.56"W
C535	15+584.31	258888.2822	4035596.2152	15+580.23	258892.2927	4035596.9923	15+588.35	258884.2126	4035596.5710	29.14	8.12	4.085	15.9624	S87° 00' 55.51"W
C536	15+599.63	258872.9707	4035597.5539	15+591.63	258880.9377	4035596.8574	15+607.57	258865.0407	4035596.5186	73.41	15.93	7.997	12.4348	S88° 46' 45.20"W
C537	15+639.97	258832.9059	4035592.3233	15+636.24	258836.6076	4035592.8065	15+643.66	258829.2075	4035592.8307	27.88	7.42	3.733	15.2506	N89° 48' 46.19"W
C538	15+659.37	258813.6474	4035594.9656	15+655.57	258817.4116	4035594.4492	15+663.13	258809.8648	4035594.6082	32.81	7.57	3.799	13.2106	N88° 47' 34.10"W
C539	15+689.82	258783.2958	4035592.0976	15+673.72	258799.3229	4035593.6120	15+704.63	258769.9737	4035601.1356	44.77	30.91	16.099	39.5519	N75° 37' 19.71"W
C540	15+726.17	258752.1480	4035613.2289	15+720.92	258756.4959	4035610.2792	15+731.15	258746.8980	4035613.4343	18.38	10.23	5.254	31.9130	N71° 48' 09.64"W
C541	15+772.43	258705.6570	4035615.0481	15+765.92	258712.1546	4035614.7938	15+778.75	258699.5922	4035612.7025	31.42	12.82	6.503	23.3849	S80° 32' 54.21"W
C542	15+789.74	258689.3413	4035608.7379	15+781.94	258696.6162	4035611.5515	15+797.40	258681.5469	4035608.4394	46.73	15.46	7.600	18.9507	S78° 19' 52.73"W
C543	15+818.26	258660.7029	4035607.6411	15+805.84	258673.1083	4035608.1162	15+830.13	258650.1092	4035601.1683	47.61	24.29	12.415	29.2317	S73° 11' 26.94"W
C544	15+858.18	258626.1717	4035586.5425	15+847.82	258635.0102	4035591.9428	15+868.31	258619.8189	4035578.3618	56.59	20.49	10.358	20.7435	S48° 12' 11.62"W
C545	15+890.55	258606.1787	4035560.7968	15+875.33	258615.5756	4035572.8975	15+905.82	258598.6502	4035547.4532	208.64	30.59	15.321	8.3998	S33° 37' 53.77"W
C546	15+964.00	258570.0597	4035496.7788	15+962.43	258570.8328	4035498.1492	15+965.57	258569.2902	4035495.4063	1162.97	3.15	1.573	0.1550	S29° 21' 15.11"W
C547	16+042.18	258531.8267	4035428.5833	16+025.87	258539.8034	4035442.8113	16+056.11	258515.6540	4035426.4605	32.54	30.24	16.311	53.2455	S55° 53' 57.98"W
C548	16+088.78	258483.2644	4035422.2091	16+078.96	258492.9955	4035423.4864	16+098.11	258475.5713	4035416.1148	35.50	19.15	9.815	30.9079	S67° 04' 05.72"W
C549	16+114.29	258462.8921	4035406.0705	16+108.61	258467.3418	4035409.5955	16+119.94	258457.8839	4035403.3977	63.01	11.32	5.677	10.2968	S56° 45' 45.71"W
C550	16+207.96	258380.2319	4035361.9547	16+197.77	258389.2203	4035366.7518	16+217.70	258370.0451	4035362.1378	39.23	19.94	10.188	29.1189	S76° 28' 13.88"W
C551	16+304.42	258283.3407	4035363.6966	16+299.37	258288.3875	4035363.6059	16+309.40	258278.4760	4035362.3499	34.80	10.03	5.048	16.5038	S82° 46' 40.94"W
C552	16+324.47	258263.9529	4035358.3294	16+315.74	258272.3628	4035360.8575	16+332.71	258255.6351	4035360.9676	29.39	16.97	8.726	33.0716	N88° 56' 17.02"W
C553	16+354.05	258235.2899	4035367.4206	16+344.32	258244.5687	4035364.4776	16+363.63	258225.5555	4035367.4120	62.71	19.31	9.734	17.6483	N81° 13' 34.96"W
C554	16+387.39	258201.7985	4035367.3911	16+381.53	258207.6622	4035367.3963	16+393.16	258196.2155	4035369.1834	37.34	11.63	5.864	17.8487	N81° 07' 34.19"W
C555	16+410.48	258179.7209	4035374.4787	16+403.43	258186.4308	4035372.3246	16+417.46	258172.6880	4035374.9261	56.75	14.02	7.047	14.1581	N79° 16' 51.11"W
C556	16+438.43	258153.7523	4035378.1307	16+429.37	258160.8026	4035375.6822	16+443.41	258147.0700	4035378.4229	52.62	14.05	7.065	15.2930	N78° 42' 48.54"W
C557	16+456.01	258135.1526	4035382.5108	16+448.52	258142.2373	4035380.0806	16+463.43	258127.6902	4035383.1512	60.88	14.90	7.490	14.0278	N78° 04' 51.07"W
C558	16+500.26	258090.9383	4035386.3011	16+495.09	258096.1407	4035385.8589	16+505.34	258085.9612	4035385.0883	31.81	10.25	5.171	16.4683	S85° 40' 15.99"W
C559	16+530.44	258061.5676	4035379.2036	16+522.75	258069.0419	4035381.0067	16+537.95	258055.2725	4035374.7891	40.54	15.20	7.689	21.4768	S65° 41' 54.81"W
C560	16+557.97	258038.8808	4035363.2945	16+550.61	258044.9053	4035367.5192	16+565.25	258032.0104	4035360.6600	59.67	14.64	7.358	14.0596	S61° 59' 23.73"W
C561	16+615.06	257985.4987	4035342.8241	16+607.30	257992.7477	4035345.6039	16+622.70	257979.4939	4035337.9030	48.05	15.39	7.764	18.3554	S59° 50' 31.33"W
C562	16+637.96	257967.6894	4035328.2289	16+630.11	257973.7623	4035333.2059	16+644.16	257969.4427	4035320.5753	12.67	14.06	7.852	63.5672	S18° 52' 50.77"W
C563	16+669.01	257974.9903	4035296.3584	16+649.33	257970.5955	4035315.5428	16+678.77	257955.4079	4035294.3876	17.38	29.45	19.081	97.1557	S35° 40' 30.21"W
C564	16+691.59	257942.6565	4035293.1043	16+680.92	257953.2708	4035294.1725	16+701.63	257934.4480	4035286.2905	34.95	20.71	10.868	33.9485	S67° 16' 43.29"W
C565	16+794.52	257862.9748	4035226.9617	16+794.82	257870.4365	4035233.1556	16+803.28	257853.2954	4035227.5998	24.33	18.46	9.697	43.4683	S72° 02' 18.92"W
C566	16+816.79	257839.8127	4035228.4891	16+813.31	257843.2839	4035228.2602	16+820.20	257836.4680	4035227.5324	20.00	6.89	3.479	19.7345	S83° 54' 19.75"W
C567	16+830.22	257826.8319	4035224.7763	16+826.58	257830.3378	4035225.7791	16+833.79	257823.1976	4035225.0753	20.00	7.21	3.647	20.6661	S84° 22' 16.59"W
C568	16+841.58	257815.4364	4035225.1140	16+837.94	257819.0831	4035225.4156	16+845.00	257812.2830	4035223.9334	11.90	7.06	3.639	34.0016	S77° 42' 12.71"W
C569	16+860.87	257798.4200	4035216.1659	16+857.46	257801.3953	4035217.8354	16+864.12	257795.0093	4035216.2443	12.46	6.60	3.412	30.0138	S76° 00' 34.83"W
C570	16+874.80	257784.3389	4035216.4895	16+870.03	257789.1081	4035216.3799	16+879.49	257779.7732	4035215.1067	29.84	9.46	4.770	18.1667	S82° 13' 59.72"W
C571	16+899.65	257760.4719	4035209.2809	16+892.67	257767.1594	4035211.2864	16+906.36	257755.5320	4035204.3191	27.86	13.69	6.987	28.1610	S59° 04' 09.95"W
C572	16+921.23	257745.0159	4035193.7989	16+906.88	257755.1662	4035203.9531	16+934.54	257739.7689	4035192.0208	41.82	27.66	14.357	37.8973	S63° 56' 15.26"W

[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>	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		MINCONSULT SDN BHD (COMPANY NO. 5835-P)	a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		J.V.	b			DRAWN: INAM ULLAH			DATE:	
		CREATIVE ENGINEERING CONSULTANTS (CEC)	c			CHECKED: S.DURRANI			AUG, 2024.	
		d			APPROVED: AQEEL YOUNIS	DWG NO: CECRP-RRDP-MIN-CHT-6/HCD-15				

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
C573	16+960.58	257704.9134	4035188.7941	16+952.28	257713.1582	4035189.8230	16+968.78	257697.3484	4035185.3581	54.57	16.49	8.309	17.3137	S74° 13' 45.89"W
C574	16+988.41	257679.4727	4035177.2389	16+982.18	257685.1427	4035179.8142	16+994.41	257675.5832	4035172.3917	26.26	12.23	6.227	26.8844	S52° 13' 43.12"W
C575	17+005.49	257668.6072	4035163.7674	16+999.55	257672.3342	4035168.3883	17+011.21	257663.1950	4035161.3278	24.87	11.66	5.937	26.8477	S52° 18' 43.03"W
C576	17+035.91	257640.6743	4035151.1762	17+029.08	257646.8997	4035153.9824	17+042.73	257634.8095	4035147.6785	119.38	13.64	6.829	6.5475	S62° 21' 43.33"W
C577	17+063.30	257617.1370	4035137.1386	17+056.29	257623.1590	4035140.7301	17+070.21	257612.4344	4035131.9377	46.72	13.92	7.012	17.0688	S50° 39' 13.97"W
C578	17+082.90	257603.9246	4035122.5261	17+076.78	257608.0261	4035127.0823	17+088.98	257599.0559	4035118.8252	65.67	12.20	6.116	10.6400	S47° 26' 22.19"W
C579	17+129.68	257566.6524	4035094.1934	17+122.52	257572.3552	4035098.5285	17+136.79	257562.0310	4035088.7200	64.97	14.27	7.164	12.5846	S46° 28' 01.89"W
C580	17+173.65	257538.2531	4035060.5576	17+165.35	257543.6036	4035066.8946	17+181.83	257534.8394	4035052.9990	59.50	16.48	8.294	15.8693	S32° 14' 24.76"W
C581	17+189.80	257531.5618	4035045.7418	17+182.82	257534.4322	4035052.0973	17+196.53	257526.2070	4035041.2745	30.38	13.71	6.974	25.8577	S37° 14' 03.84"W
C582	17+209.10	257516.5544	4035033.2218	17+204.02	257520.4552	4035036.4760	17+214.15	257513.3365	4035029.2910	53.45	10.13	5.080	10.8577	S44° 44' 03.03"W
C583	17+242.03	257495.6752	4035007.7174	17+232.40	257501.7777	4035015.1718	17+251.65	257490.3938	4034999.6604	181.98	19.25	9.634	6.0607	S36° 16' 30.72"W
C584	17+293.08	257487.6808	4034965.0106	17+253.20	257488.5445	4034998.3646	17+328.10	257428.1949	4034959.4090	88.16	74.91	39.881	48.6810	S57° 35' 07.25"W
C585	17+361.18	257395.4474	4034954.7634	17+349.11	257407.3953	4034956.4584	17+371.81	257388.7279	4034944.7397	27.05	22.70	12.068	48.0894	S57° 52' 52.00"W
C586	17+394.90	257375.8719	4034925.5621	17+390.83	257378.1391	4034928.9442	17+398.92	257372.7537	4034922.9437	28.71	8.09	4.072	16.1438	S41° 54' 29.77"W
C587	17+413.33	257361.7135	4034913.6734	17+407.80	257365.9553	4034917.2352	17+418.83	257358.3309	4034909.2873	51.23	11.03	5.539	12.3405	S43° 48' 35.67"W
C588	17+500.96	257308.1737	4034844.2501	17+493.24	257312.8869	4034850.3616	17+508.58	257301.8555	4034839.8180	50.70	15.32	7.718	17.3116	S48° 17' 43.69"W
C589	17+539.29	257276.6980	4034822.1707	17+534.05	257280.9863	4034825.1788	17+544.37	257271.5439	4034821.2359	23.86	10.31	5.238	24.7688	S67° 20' 08.45"W
C590	17+555.74	257260.3506	4034819.2058	17+550.73	257265.2853	4034820.1007	17+560.68	257255.9001	4034816.8938	33.22	9.96	5.015	17.1706	S71° 08' 05.18"W
C591	17+576.91	257241.5028	4034809.4149	17+568.11	257249.3109	4034813.4709	17+585.66	257233.1173	4034806.7500	102.42	17.55	8.799	9.8203	S67° 27' 34.53"W
C592	17+618.57	257201.7567	4034796.7836	17+615.37	257204.8027	4034797.7516	17+621.74	257198.5815	4034796.4190	32.95	6.37	3.196	11.0801	S77° 54' 35.21"W
C593	17+635.08	257185.3353	4034794.8990	17+628.73	257191.6431	4034795.8223	17+641.32	257179.5780	4034792.2207	39.22	12.59	6.349	18.3898	S74° 13' 17.79"W
C594	17+684.92	257140.0417	4034773.8350	17+678.42	257145.9347	4034776.5755	17+691.40	257134.5827	4034770.3085	93.85	12.98	6.499	7.9226	S61° 05' 55.47"W
C595	17+735.55	257097.4856	4034746.3502	17+728.01	257103.8283	4034750.4411	17+743.00	257090.2918	4034744.1265	54.65	14.98	7.539	15.7083	S64° 59' 29.62"W
C596	17+810.41	257025.8763	4034724.2429	17+801.36	257034.5272	4034726.9132	17+819.17	257018.9132	4034725.5201	40.40	17.81	9.054	25.2643	S85° 28' 40.32"W
C597	17+844.22	256992.1144	4034729.0539	17+838.68	256997.5978	4034728.2728	17+849.68	256986.6386	4034728.2201	37.58	11.00	5.539	16.7683	S89° 43' 33.23"W
C598	17+861.66	256974.7969	4034726.4169	17+851.27	256985.0581	4034727.9810	17+871.92	256964.4840	4034727.6771	75.72	20.65	10.390	15.6248	S89° 09' 14.89"W
C599	17+895.00	256941.5701	4034730.4769	17+886.53	256949.9751	4034729.4499	17+903.13	256933.6775	4034727.4102	33.71	16.59	8.467	28.2010	S82° 51' 57.72"W
C600	17+952.44	256887.7145	4034709.5505	17+947.34	256892.4625	4034711.3954	17+957.52	256883.1437	4034707.3021	117.66	10.18	5.094	4.9577	S66° 17' 12.16"W
C601	18+014.87	256831.6881	4034681.9916	18+002.04	256842.6567	4034687.3870	18+026.77	256819.4877	4034681.2359	61.03	24.13	12.224	22.6522	S75° 08' 02.26"W
C602	18+057.08	256789.2414	4034679.3658	18+052.11	256794.1973	4034679.6723	18+061.84	256785.0044	4034676.7769	20.00	9.73	4.965	27.8855	S72° 31' 02.30"W
C603	18+081.45	256768.2742	4034666.5545	18+073.32	256775.2083	4034670.7914	18+088.94	256760.2223	4034667.6504	22.84	15.61	8.126	39.1758	S78° 09' 44.98"W
C604	18+102.55	256746.7353	4034669.4860	18+096.20	256753.0256	4034668.6299	18+108.50	256741.1027	4034666.5576	20.00	12.29	6.348	35.2205	S80° 08' 24.62"W
C605	18+123.34	256727.9299	4034659.7090	18+117.90	256732.7599	4034662.2201	18+128.74	256722.6557	4034658.3607	47.30	10.84	5.444	13.1303	S69° 05' 42.34"W
C606	18+138.49	256713.2097	4034655.9460	18+135.35	256716.2460	4034656.7222	18+141.57	256710.5563	4034654.2782	20.00	6.22	3.134	17.8117	S66° 45' 15.91"W
C607	18+155.26	256698.9667	4034648.9936	18+150.47	256703.0212	4034649.5420	18+159.87	256694.1977	4034646.5579	20.00	9.40	4.789	26.9313	S71° 18' 51.15"W
C608	18+173.38	256680.7499	4034645.3292	18+168.84	256685.2671	4034645.7419	18+177.83	256676.6081	4034643.4798	27.34	8.99	4.536	18.8423	S75° 21' 31.33"W
C609	18+191.09	256664.5026	4034638.0743	18+186.97	256668.2627	4034639.7533	18+195.05	256660.3910	4034638.3011	17.01	8.08	4.118	27.2201	S79° 32' 51.41"W
C610	18+205.47	256649.9907	4034638.8749	18+188.97	256656.4811	4034638.5168	18+211.10	256645.6160	4034634.0669	13.67	12.14	6.500	50.8595	S67° 43' 40.56"W
C611	18+231.35	256631.9897	4034619.0909	18+225.92	256635.6443	4034623.1074	18+236.73	256629.3186	4034614.3629	48.29	10.82	5.430	12.8333	S35° 52' 53.57"W
C612	18+286.44	256604.8706	4034571.0894	18+280.93	256607.5771	4034575.8800	18+291.85	256600.8186	4034567.3671	34.81	10.91	5.502	17.9638	S38° 26' 48.51"W

[Handwritten 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)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		MINCONSULT SDN BHD (COMPANY NO. 58835-P)	a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		J.V.	b			DRAWN: INAM ULLAH		FLOOD AFFECTED ROAD	DATE:	
		CREATIVE ENGINEERING CONSULTANTS (CEC)	c			CHECKED: S.DURRANI		AUG, 2024		
			d			APPROVED: AQEEL YOUNIS		DWG NO: CEC/KP-RRDP/RRN-CHT-6/HCD-16		
		e								

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
C613	18+301.84	256593.4629	4034560.8100	18+296.92	256597.0801	4034523.9329	18+306.48	256592.1918	4034555.8655	16.89	9.56	4.912	32.4301	S31° 12' 49.17"W
C614	18+321.67	256588.2624	4034541.1995	18+317.85	256589.2504	4034544.8870	18+325.45	256586.3852	4034537.8753	30.10	7.59	3.818	14.4550	S22° 13' 33.84"W
C615	18+334.99	256581.6943	4034529.5685	18+327.90	256585.1796	4034535.7403	18+342.00	256579.8000	4034522.7141	54.93	14.10	7.088	14.7057	S22° 06' 02.48"W
C616	18+369.30	256572.9381	4034496.3049	18+360.65	256575.1401	4034504.6701	18+377.80	256568.1332	4034489.1120	51.70	17.14	8.650	18.9956	S24° 14' 44.25"W
C617	18+398.13	256556.8372	4034472.2022	18+392.77	256559.8166	4034476.8622	18+403.48	256554.4368	4034467.4057	85.75	10.71	5.364	7.1579	S30° 09' 52.01"W
C618	18+423.68	256545.3972	4034449.3427	18+417.89	256547.9859	4034454.5154	18+429.44	256542.0994	4034444.5904	80.96	11.55	5.784	8.1733	S30° 40' 19.65"W
C619	18+450.12	256530.3105	4034427.6023	18+445.05	256533.2039	4034431.7718	18+455.05	256525.9923	4034424.9359	24.35	10.01	5.075	23.5469	S46° 31' 55.98"W
C620	18+472.74	256510.9405	4034415.6418	18+466.45	256516.2956	4034418.9484	18+478.90	256507.1063	4034410.6509	34.34	12.45	6.294	20.7729	S47° 55' 09.16"W
C621	18+494.65	256497.5096	4034398.1591	18+488.26	256501.4036	4034403.2278	18+500.77	256491.6467	4034395.6134	24.72	12.51	6.392	28.9969	S52° 01' 52.34"W
C622	18+509.44	256483.6975	4034392.1619	18+503.90	256488.7736	4034394.3659	18+514.79	256480.0325	4034388.0157	24.91	10.89	5.534	25.0546	S54° 00' 08.05"W
C623	18+542.91	256461.4742	4034367.0207	18+538.07	256464.6174	4034370.5766	18+547.55	256457.9535	4034363.8383	84.70	9.48	4.746	6.4138	S44° 40' 54.18"W
C624	18+601.33	256418.0549	4034327.7727	18+595.99	256422.0201	4034331.3570	18+608.58	256413.0852	4034325.8050	29.54	10.58	5.345	20.5109	S58° 08' 38.61"W
C625	18+619.86	256400.7228	4034320.9103	18+611.93	256408.0966	4034323.8298	18+627.67	256394.5257	4034315.9613	53.03	15.74	7.931	17.0098	S59° 53' 40.55"W
C626	18+664.35	256365.8701	4034293.0774	18+658.70	256370.2784	4034296.5978	18+669.93	256362.4471	4034288.5929	45.83	11.23	5.642	14.0355	S44° 22' 18.92"W
C627	18+693.81	256347.9584	4034269.6111	18+688.77	256351.0162	4034273.6171	18+698.82	256344.2335	4034266.2164	55.91	10.05	5.040	10.3014	S42° 30' 17.46"W
C628	18+759.64	256299.2822	4034225.2500	18+753.86	256303.5518	4034229.1411	18+765.41	256294.6053	4034221.8593	103.27	11.54	5.777	6.4033	S50° 51' 25.84"W
C629	18+799.10	256267.3290	4034202.0847	18+786.97	256277.1439	4034209.2003	18+809.83	256255.4390	4034204.4494	27.76	22.86	12.123	47.1896	S77° 39' 13.08"W
C630	18+840.00	256225.8483	4034210.3346	18+809.91	256255.3669	4034204.4638	18+861.25	256212.5337	4034183.3430	39.23	51.34	30.097	74.9920	S63° 45' 08.77"W
C631	18+891.29	256199.2433	4034156.4002	18+883.50	256202.6926	4034163.3928	18+898.91	256193.4727	4034151.1569	41.10	15.41	7.797	21.4842	S36° 59' 54.59"W
C632	18+957.46	256150.1397	4034111.7829	18+939.44	256163.4768	4034123.9015	18+973.31	256132.2232	4034113.7170	40.08	33.87	18.021	48.4206	S71° 57' 03.07"W
C633	18+997.84	256107.8300	4034116.3502	18+975.56	256129.9863	4034113.9584	19+015.18	256096.4316	4034097.2007	34.71	39.62	22.285	65.3986	S63° 27' 42.66"W
C634	19+040.30	256083.5830	4034075.6151	19+031.05	256088.3137	4034083.5627	19+049.22	256075.8016	4034070.6158	39.25	18.17	9.249	26.5183	S44° 01' 18.16"W
C635	19+097.63	256035.0704	4034044.4476	19+094.18	256037.9700	4034046.3105	19+101.07	256032.3413	4034042.3429	80.21	6.88	3.446	4.9209	S54° 49' 13.45"W
C636	19+136.28	256004.4626	4034020.8423	19+129.17	256010.0938	4034025.1852	19+143.37	255999.4760	4034015.7722	103.84	14.20	7.111	7.8358	S48° 26' 31.33"W
C637	19+187.74	255968.7854	4033984.5675	19+182.01	255972.3777	4033988.2200	19+192.23	255965.9739	4033980.2849	52.06	10.21	5.123	11.2395	S38° 54' 15.72"W
C638	19+210.02	255956.2098	4033965.4117	19+200.62	255961.3648	4033973.2642	19+219.27	255948.9533	4033959.4469	61.76	18.64	9.393	17.2950	S41° 55' 55.64"W
C639	19+268.89	255910.6238	4033927.9398	19+263.15	255915.0555	4033931.5827	19+274.53	255905.3053	4033925.7894	37.48	11.39	5.737	17.4051	S59° 16' 55.83"W
C640	19+290.67	255890.3479	4033919.7415	19+283.83	255896.6877	4033922.3050	19+297.40	255885.0858	4033915.3740	43.98	13.57	6.838	17.6772	S59° 08' 45.97"W
C641	19+316.61	255870.3042	4033903.1054	19+309.92	255875.4463	4033907.3733	19+323.14	255863.9879	4033900.9232	36.71	13.22	6.683	20.6331	S60° 37' 26.58"W
C642	19+349.48	255839.1010	4033892.3251	19+342.24	255845.9366	4033894.6867	19+356.56	255833.4866	4033887.7603	40.98	14.32	7.232	20.0165	S60° 55' 56.59"W
C643	19+416.28	255787.1244	4033850.1212	19+408.56	255793.1158	4033854.9859	19+423.94	255782.3237	4033844.0787	70.71	15.37	7.717	12.4573	S44° 41' 43.81"W
C644	19+440.73	255771.8765	4033830.9292	19+435.23	255775.2995	4033835.2376	19+446.22	255767.8694	4033827.1579	76.11	10.99	5.503	8.2699	S42° 36' 06.47"W
C645	19+482.54	255741.3453	4033802.1950	19+473.53	255747.9799	4033808.4391	19+491.32	255732.4586	4033800.1866	33.39	17.79	9.111	30.5287	S62° 00' 03.97"W
C646	19+507.95	255716.2315	4033796.5194	19+491.98	255731.8142	4033800.0410	19+523.89	255701.2010	4033791.1058	258.49	31.91	15.976	7.0733	S73° 43' 43.66"W
C647	19+563.75	255663.6953	4033777.5970	19+558.99	255668.1731	4033779.2099	19+568.50	255659.4001	4033775.5467	95.44	9.51	4.759	5.7097	S67° 20' 14.14"W
C648	19+580.53	255648.5501	4033770.3674	19+575.01	255653.5243	4033772.7419	19+585.95	255643.0897	4033769.6156	35.45	10.94	5.512	17.6777	S73° 19' 16.39"W
C649	19+604.98	255624.2430	4033767.0205	19+596.92	255632.2191	4033768.1188	19+612.99	255616.5690	4033764.5842	94.17	16.06	8.051	9.7736	S77° 16' 23.64"W
C650	19+646.02	255585.0822	4033754.5878	19+641.43	255589.4601	4033755.9777	19+650.59	255580.5311	4033753.9675	53.29	9.16	4.593	9.8528	S77° 18' 46.20"W
C651	19+658.45	255572.7490	4033752.9070	19+653.23	255577.9167	4033753.6112	19+663.44	255568.5834	4033749.7688	20.00	10.20	5.215	29.2312	S67° 37' 25.13"W
C652	19+676.37	255558.2518	4033741.9857	19+670.68	255562.7998	4033745.4119	19+681.99	255552.9202	4033739.9868	39.42	11.31	5.694	16.4398	S61° 13' 40.67"W

[Handwritten Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 CSW 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:
		a	AUGUST, 2024	TENDER DRAWINGS	G. DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	INAM ULLAH			DATE:	
		c			CHECKED	S. DURRANI			AUG, 2024.	
		d			APPROVED	AGEEL YOUSIF			DWG NO: CEC/KP-RRDP/PIU/N-CHT-6/HCD-17	

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
C653	19+727.37	255510.4269	4033724.0551	19+721.02	255516.3678	4033726.2824	19+733.67	255504.1829	4033723.0471	63.50	12.65	8.345	11.4108	S75° 09' 11.77"W
C654	19+793.00	255445.5874	4033713.6215	19+784.28	255454.1968	4033715.0069	19+800.73	255440.7436	4033706.3707	20.00	16.45	8.720	47.1141	S57° 18' 05.83"W
C655	19+816.35	255432.0662	4033693.3814	19+810.48	255435.3258	4033698.2607	19+822.05	255427.1798	4033590.1325	29.32	11.58	5.868	22.6365	S45° 03' 46.17"W
C656	19+862.25	255393.7147	4033667.8825	19+849.21	255404.5736	4033675.1023	19+870.94	255398.8853	4033655.9114	15.61	21.73	13.040	79.7415	S16° 30' 37.14"W
C657	19+913.99	255415.9553	4033616.3902	19+906.72	255413.0748	4033623.0591	19+921.24	255419.4264	4033610.0087	160.50	14.52	7.264	5.1829	S25° 57' 06.83"E
C658	19+938.94	255427.8830	4033594.4616	19+932.93	255425.0111	4033599.7414	19+944.76	255428.2957	4033588.4656	27.56	11.84	6.010	24.6053	S16° 14' 26.48"E
C659	19+977.89	255430.5710	4033555.4144	19+959.34	255429.2967	4033573.9245	19+983.77	255412.9461	4033561.2117	12.48	24.43	18.554	112.1455	S52° 08' 04.98"W
C660	20+016.19	255382.1455	4033571.3429	20+011.40	255386.7025	4033569.8440	20+020.96	255377.9486	4033573.6664	50.93	9.57	4.797	10.7619	N66° 24' 41.73"W

[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>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:			
		1	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	N.T.S	
		2			DRAWN	INAM ULLAH						FLOOD AFFECTED ROAD	DATE:
		3			CHECKED	S.DURRANI							AUG, 2024
		4			APPROVED	AQEEL YOUNIS							DWG NO: CEC/KP-RRDP/RWN-CHT-6/HCD-18

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
C661	19+997.03	255354.8458	4033586.0422	19+990.80	255360.3877	4033583.1886	20+001.95	255349.8434	4033582.3230	10.00	11.15	6.233	63.8742	S85° 18' 24.21"W
C662	20+010.52	255342.9673	4033577.2106	20+007.56	255345.3356	4033578.9715	20+013.42	255340.1913	4033576.2089	20.00	5.86	2.951	16.7878	S61° 45' 48.73"W
C663	20+022.32	255331.8213	4033573.1885	20+018.13	255335.7669	4033574.6123	20+026.40	255328.7803	4033570.2994	20.00	8.27	4.195	23.6897	S58° 18' 45.23"W
C664	20+046.70	255314.0586	4033556.3133	20+035.41	255322.2451	4033564.0908	20+055.33	255318.0881	4033545.7647	16.94	19.92	11.292	67.3746	S12° 48' 49.48"W
C665	20+068.18	255322.6739	4033533.7602	20+057.45	255318.8444	4033543.7850	20+074.87	255313.0625	4033528.9871	11.81	17.42	10.731	84.4975	S21° 20' 30.77"W
C666	20+094.10	255295.8469	4033520.4377	20+090.46	255299.0996	4033522.0530	20+097.70	255292.3102	4033519.6125	31.21	7.23	3.632	13.2749	S70° 13' 41.03"W
C667	20+109.05	255281.2484	4033517.0313	20+102.38	255287.7523	4033518.5489	20+115.70	255275.0648	4033514.5082	84.27	13.33	6.679	9.0525	S72° 20' 03.37"W
C668	20+159.37	255234.6396	4033498.0135	20+152.51	255240.9882	4033500.6039	20+165.96	255230.2003	4033492.7877	28.07	13.45	6.857	27.4550	S54° 04' 31.99"W
C669	20+215.77	255197.9508	4033454.8250	20+203.46	255205.9182	4033464.2039	20+227.32	255186.0649	4033451.6359	39.47	23.86	12.306	34.6326	S57° 39' 51.75"W
C670	20+259.07	255155.4002	4033443.4082	20+251.47	255162.7450	4033445.3789	20+266.57	255147.7976	4033443.5774	53.12	15.11	7.604	16.2941	S83° 07' 39.91"W
C671	20+297.64	255116.7444	4033444.2685	20+289.29	255125.0659	4033444.0828	20+305.77	255108.9551	4033441.2780	42.38	16.48	8.344	22.2779	S80° 08' 09.17"W
C672	20+331.16	255085.2506	4033432.1772	20+324.47	255091.4986	4033434.5760	20+337.79	255078.6100	4033431.3442	55.09	13.32	6.693	13.8528	S75° 55' 24.04"W
C673	20+372.65	255044.0202	4033427.0050	20+365.47	255051.1408	4033427.8982	20+379.60	255037.9396	4033423.1933	32.46	14.13	7.176	24.9316	S70° 23' 02.27"W
C674	20+387.94	255030.8667	4033416.7596	20+380.00	255037.6020	4033422.9817	20+395.63	255022.9675	4033417.8694	34.92	15.63	7.949	25.6518	S70° 44' 38.67"W
C675	20+407.15	255011.5151	4033416.5787	20+399.56	255019.0598	4033417.4290	20+414.40	255005.3841	4033412.1004	28.62	14.84	7.592	29.7162	S68° 42' 42.81"W
C676	20+427.52	254994.7954	4033404.3658	20+422.42	254998.9107	4033407.3718	20+432.40	254989.7433	4033403.6957	20.00	9.98	5.096	28.5913	S68° 08' 57.98"W
C677	20+446.70	254975.5717	4033401.8162	20+433.78	254988.3721	4033403.5139	20+459.51	254963.4138	4033397.4666	121.52	25.73	12.912	12.1304	S76° 22' 47.53"W
C678	20+505.10	254920.4929	4033382.1110	20+501.73	254923.6669	4033383.2466	20+508.47	254917.3463	4033380.9018	289.10	6.74	3.371	1.3361	S69° 38' 47.79"W
C679	20+578.47	254852.0062	4033355.7920	20+570.77	254859.1879	4033358.5519	20+586.15	254845.0047	4033352.6025	253.96	15.38	7.694	3.4705	S67° 14' 35.94"W
C680	20+657.20	254780.3562	4033323.1514	20+649.24	254787.5951	4033326.4492	20+665.06	254774.1892	4033318.1268	61.75	15.82	7.955	14.6802	S58° 10' 04.83"W
C681	20+684.00	254759.5120	4033306.1683	20+676.37	254765.4274	4033310.9880	20+691.42	254752.1801	4033304.0553	37.35	15.05	7.630	23.0953	S62° 22' 32.06"W
C682	20+702.04	254741.9730	4033301.1136	20+694.85	254748.8867	4033303.1061	20+709.20	254735.4938	4033297.3646	84.79	14.36	7.195	9.7005	S69° 04' 22.68"W
C683	20+752.81	254696.2249	4033279.0205	20+747.86	254700.6816	4033281.1727	20+757.76	254691.7465	4033276.9138	970.38	9.90	4.949	0.5844	S64° 30' 53.73"W
C684	20+839.87	254617.4482	4033241.9630	20+832.39	254624.2137	4033245.1456	20+847.30	254611.4037	4033237.5623	78.63	14.91	7.477	10.8639	S59° 22' 30.34"W
C685	20+879.34	254585.5037	4033218.7056	20+871.43	254591.8981	4033223.3611	20+887.05	254581.3365	4033211.9827	40.41	15.62	7.910	22.1508	S42° 52' 04.34"W
C686	20+935.76	254555.6721	4033170.5780	20+932.95	254557.1520	4033172.9656	20+938.54	254553.5917	4033168.6905	20.00	5.58	2.809	15.9900	S39° 47' 14.98"W
C687	20+948.83	254545.9691	4033161.7745	20+944.87	254548.9030	4033164.4364	20+952.69	254544.2714	4033158.1951	20.00	7.82	3.962	22.4081	S36° 34' 42.43"W
C688	20+982.50	254540.0673	4033149.3311	20+957.85	254542.0590	4033153.5304	20+967.11	254537.2570	4033145.6294	44.85	9.26	4.648	11.8319	S31° 17' 25.25"W
C689	21+008.38	254512.3024	4033112.7605	21+002.03	254516.1416	4033117.8173	21+014.69	254507.5239	4033108.5801	62.43	12.65	6.349	11.6131	S43° 00' 46.34"W
C690	21+029.54	254496.3442	4033098.7997	21+025.67	254499.2599	4033101.3505	21+033.40	254493.8557	4033095.8306	50.05	7.73	3.874	8.8522	S44° 23' 36.01"W
C691	21+050.05	254483.1601	4033083.0692	21+044.26	254486.8812	4033087.5090	21+055.72	254478.1286	4033080.1984	32.32	11.46	5.793	20.3252	S50° 07' 47.44"W
C692	21+070.49	254465.2987	4033072.8781	21+065.40	254469.7199	4033075.4008	21+075.52	254460.3521	4033071.6770	36.09	10.11	5.090	16.0587	S68° 19' 18.47"W
C693	21+089.15	254447.1014	4033068.4593	21+085.49	254450.6652	4033069.3247	21+092.79	254443.8400	4033066.7823	30.84	7.30	3.667	13.5635	S69° 34' 09.83"W
C694	21+106.63	254431.5301	4033060.4525	21+100.74	254436.7634	4033063.1435	21+112.47	254425.8496	4033058.9161	55.62	11.73	5.885	12.0779	S68° 49' 35.69"W
C695	21+163.88	254376.2193	4033045.4928	21+157.72	254382.1642	4033047.1007	21+170.03	254370.4698	4033043.2855	120.16	12.31	6.159	5.8681	S71° 55' 53.32"W
C696	21+203.81	254338.9375	4033031.1798	21+196.77	254345.5059	4033033.7015	21+210.65	254333.8905	4033026.2777	34.33	13.88	7.036	23.1627	S57° 24' 57.97"W
C697	21+236.58	254315.2931	4033008.2145	21+223.06	254324.9871	4033017.6301	21+249.67	254302.5613	4033003.6836	62.04	26.61	13.514	24.5762	S58° 07' 22.29"W
C698	21+322.94	254233.5368	4032979.1200	21+312.45	254243.4163	4032982.6358	21+333.16	254223.0619	4032979.6155	53.21	20.71	10.487	22.2975	S81° 33' 34.94"W
C699	21+358.41	254197.8416	4032980.8086	21+348.61	254207.6293	4032980.3456	21+367.85	254188.9024	4032976.7958	41.00	19.24	9.799	26.8836	S79° 16' 00.01"W
C700	21+417.47	254143.6334	4032956.4748	21+407.83	254152.4271	4032960.4222	21+426.57	254138.4211	4032948.3667	32.45	18.74	9.639	33.0894	S43° 16' 48.66"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:	
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	INAM ULLAH				
		c			CHECKED	S.DURRANI				
d			APPROVED	AGEEL YOUNIS						
							FLOOD AFFECTED ROAD	AUG, 2024	DWG NO. CEC/MP-RRDP/RWR-N-CHT-6/HCD-19	

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
C701	21+565.45	254063.3175	4032831.5401	21+556.07	254068.3921	4032839.4139	21+574.73	254056.3788	4032825.2244	71.45	18.66	9.384	14.9650	S40° 13' 04.72"W
C702	21+620.16	254022.7711	4032794.6463	21+611.57	254029.1295	4032800.4319	21+627.81	254022.5939	4032786.0515	20.00	16.24	8.397	46.5190	S24° 26' 27.49"W
C703	21+654.74	254022.0386	4032759.1257	21+641.48	254022.3120	4032772.3826	21+658.51	254010.0973	4032754.8900	8.51	17.03	13.250	114.5852	S58° 28' 28.48"W
C704	21+672.44	253997.5466	4032770.9486	21+663.95	254005.1952	4032767.2564	21+679.57	253990.1934	4032766.6984	16.04	15.62	8.493	55.7958	S87° 52' 11.33"W
C705	21+715.77	253958.8539	4032748.5840	21+705.19	253968.0142	4032753.8788	21+726.19	253951.6620	4032740.8236	70.17	21.00	10.580	17.1495	S51° 23' 49.79"W
C706	21+766.81	253924.0547	4032711.0338	21+760.60	253928.2769	4032715.5898	21+772.84	253922.0087	4032705.1690	29.75	12.25	6.212	23.5899	S31° 01' 38.75"W
C707	21+780.92	253919.3485	4032697.5439	21+776.09	253920.9388	4032702.1024	21+785.52	253915.6645	4032684.4234	17.71	9.43	4.828	30.5014	S34° 28' 59.47"W
C708	21+794.12	253909.0997	4032688.8627	21+785.96	253915.3251	4032694.1359	21+801.73	253907.1907	4032680.9306	24.96	15.77	8.159	36.2024	S31° 37' 57.84"W
C709	21+811.07	253905.0071	4032671.8574	21+803.30	253906.8242	4032679.4076	21+818.39	253899.3331	4032666.5552	25.88	15.09	7.766	33.4088	S30° 14' 09.46"W
C710	21+870.52	253861.2454	4032630.9637	21+867.32	253863.5814	4032633.1465	21+873.70	253858.5394	4032629.2610	33.57	6.38	3.197	10.8814	S52° 22' 51.78"W
C711	21+891.19	253843.7283	4032619.9418	21+888.32	253846.1613	4032621.4727	21+893.99	253842.0784	4032617.5880	14.26	5.67	2.874	22.7931	S46° 25' 30.60"W
C712	21+908.83	253833.5608	4032605.4365	21+904.99	253835.7866	4032608.5833	21+912.58	253830.3460	4032603.3313	20.00	7.59	3.843	21.7527	S45° 54' 17.87"W
C713	21+935.03	253811.5695	4032591.0356	21+929.72	253816.0128	4032593.9452	21+940.21	253806.3565	4032590.0192	27.09	10.49	5.311	22.1858	S67° 52' 27.22"W
C714	21+972.26	253774.8943	4032583.8848	21+967.45	253779.6105	4032584.8044	21+977.05	253770.3154	4032582.4283	83.18	9.60	4.805	6.6124	S75° 39' 39.43"W
C715	22+022.01	253727.4757	4032568.8016	22+011.94	253737.0695	4032571.8532	22+031.79	253719.9089	4032562.1611	48.14	19.85	10.067	23.8240	S60° 32' 33.96"W
C716	22+047.82	253707.8626	4032551.5896	22+041.63	253712.5120	4032555.6698	22+053.99	253702.7512	4032548.1056	101.28	12.36	6.186	6.9900	S52° 13' 32.65"W
C717	22+107.07	253658.8880	4032518.2073	22+094.74	253669.0757	4032525.1516	22+119.18	253651.4541	4032508.3711	75.13	24.44	12.329	18.6403	S46° 24' 02.07"W
C718	22+138.13	253640.0326	4032493.2584	22+122.27	253649.5936	4032505.9093	22+153.41	253625.8057	4032486.2549	66.80	31.14	15.857	26.7096	S50° 26' 06.81"W
C719	22+179.79	253602.1331	4032474.6014	22+170.14	253610.7960	4032478.8659	22+188.80	253597.6752	4032466.0364	29.46	18.66	9.656	36.2937	S45° 38' 35.41"W
C720	22+204.84	253590.2674	4032451.8038	22+196.22	253594.2485	4032459.4527	22+212.50	253581.9726	4032449.4477	20.00	16.28	8.623	48.8460	S50° 49' 09.50"W
C721	22+245.84	253549.9044	4032440.3384	22+240.30	253555.2326	4032441.8519	22+251.31	253545.2049	4032437.4066	39.16	11.00	5.539	16.1006	S66° 05' 31.08"W
C722	22+267.89	253531.1361	4032428.6296	22+261.85	253536.2630	4032431.8281	22+273.81	253525.2198	4032427.3996	33.90	11.36	6.043	20.2137	S68° 08' 54.56"W
C723	22+294.26	253505.1954	4032423.2364	22+284.60	253514.6505	4032425.2022	22+303.06	253499.4374	4032415.4835	25.39	18.46	9.657	41.6542	S57° 25' 41.70"W
C724	22+340.94	253476.8496	4032385.0704	22+331.93	253482.2243	4032392.3072	22+349.70	253469.0169	4032380.6085	42.90	17.77	9.014	23.7312	S48° 28' 00.36"W
C725	22+379.35	253443.2524	4032365.9320	22+373.58	253448.2639	4032368.7868	22+385.05	253437.6814	4032364.4393	44.81	11.47	5.768	14.6683	S67° 39' 59.47"W
C726	22+429.41	253394.8394	4032352.9604	22+421.10	253402.8596	4032355.1093	22+437.43	253388.5469	4032347.5431	36.36	16.33	8.303	25.7261	S62° 08' 15.45"W
C727	22+456.95	253373.7548	4032334.9085	22+447.85	253380.6484	4032340.7433	22+465.38	253364.6709	4032334.3322	26.63	17.53	9.096	37.7240	S68° 08' 11.68"W
C728	22+494.13	253335.0604	4032332.8268	22+483.20	253346.8765	4032333.3992	22+504.78	253326.7049	4032328.0983	54.63	21.58	10.931	22.6297	S75° 41' 01.51"W
C729	22+564.76	253272.0274	4032302.1526	22+551.29	253284.1724	4032307.9797	22+575.88	253270.5391	4032288.7645	24.29	24.60	13.471	58.0260	S35° 21' 21.33"W
C730	22+590.52	253268.9221	4032274.2172	22+581.57	253269.9114	4032283.1174	22+598.83	253262.6969	4032267.7798	26.23	17.26	8.955	37.6970	S25° 11' 29.07"W
C731	22+615.86	253250.8569	4032255.5362	22+607.46	253256.6964	4032261.5748	22+624.21	253244.0255	4032250.6477	92.54	16.75	8.400	10.3731	S49° 13' 35.28"W
C732	22+641.81	253229.7165	4032240.4084	22+635.18	253235.1052	4032244.2645	22+648.38	253225.2686	4032235.4969	61.75	13.20	6.626	12.2488	S48° 17' 19.12"W
C733	22+661.93	253216.1750	4032225.4554	22+655.03	253220.8075	4032230.5708	22+668.69	253210.0760	4032222.2258	39.27	13.66	6.901	19.9331	S52° 07' 50.90"W
C734	22+698.27	253183.9384	4032208.3852	22+681.97	253198.3416	4032216.0121	22+713.96	253167.6424	4032208.1320	67.85	31.99	16.298	27.0126	S75° 36' 13.17"W
C735	22+725.33	253156.2740	4032207.9554	22+719.06	253162.5448	4032208.0528	22+731.21	253151.1817	4032204.2948	20.00	12.15	6.271	34.8200	S71° 41' 59.83"W
C736	22+744.06	253140.7540	4032196.7990	22+737.25	253146.2826	4032200.7731	22+750.81	253134.4828	4032194.1472	60.75	13.56	8.809	12.7891	S60° 41' 04.11"W
C737	22+769.29	253117.4601	4032186.9492	22+765.96	253120.5282	4032188.2465	22+772.60	253114.1907	4032186.3104	32.06	6.64	3.331	11.8057	S73° 00' 42.72"W
C738	22+779.96	253106.9614	4032184.8979	22+775.93	253110.9221	4032185.6718	22+783.98	253103.1568	4032183.5524	54.81	8.06	4.036	8.4215	S74° 44' 02.35"W
C739	22+800.31	253087.7649	4032178.1088	22+797.31	253090.5890	4032179.1076	22+803.31	253084.9172	4032177.1797	244.10	5.99	2.995	1.4061	S71° 13' 34.71"W
C740	22+850.19	253040.3435	4032162.8360	22+846.58	253043.782	4032163.7567	22+853.80	253036.8664	4032161.6549	178.98	7.22	3.613	2.3129	S73° 05' 08.93"W

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

[Signature]
Minconsult International Ltd.
Creative Engineering Consultants
JV

 <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	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	INAM ULLAH				
		c			CHECKED	S.DURRANI				
d			APPROVED	AQEEL YOUNIS						
							FLOOD AFFECTED ROAD	DATE:		
								AUG, 2024		OWG NO: CECP/RRDP/PIU/N-CHT-6/HCD-28

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
C741	22+898.65	252993.7049	4032149.4758	22+889.01	253002.9790	4032152.0927	22+908.24	252985.0088	4032145.3245	112.85	19.23	9.636	9.7609	S69° 21' 42.51"W
C742	22+952.73	252944.8550	4032126.1560	22+944.08	252952.6646	4032129.8842	22+961.36	252936.6099	4032123.5276	126.34	17.28	8.654	7.8369	S68° 23' 59.26"W
C743	23+030.83	252870.4257	4032102.4287	23+019.11	252881.5906	4032105.9880	23+042.41	252858.7205	4032101.8712	89.28	23.30	11.719	14.9546	S79° 47' 43.86"W
C744	23+058.18	252842.9707	4032101.1209	23+042.85	252858.2880	4032101.8506	23+070.86	252835.4430	4032087.7611	27.74	28.02	15.335	57.8734	S58° 20' 10.00"W
C745	23+093.35	252824.4059	4032088.1729	23+082.42	252829.7679	4032077.6891	23+103.21	252813.9694	4032064.9497	27.42	20.79	10.923	43.4381	S51° 07' 06.58"W
C746	23+131.15	252787.2751	4032056.7057	23+121.01	252796.9631	4032059.6976	23+141.06	252779.3237	4032050.4141	54.20	20.05	10.139	21.1905	S62° 14' 32.43"W
C747	23+158.20	252765.8800	4032039.7767	23+149.15	252772.9760	4032045.3914	23+166.56	252756.8313	4032039.8058	25.88	17.41	9.049	38.5370	S70° 54' 56.24"W
C748	23+193.93	252729.4676	4032039.8937	23+182.29	252741.1060	4032039.8563	23+204.27	252721.4373	4032031.4695	27.05	21.98	11.638	46.5554	S66° 54' 23.20"W
C749	23+222.02	252709.1908	4032018.6223	23+216.49	252713.0054	4032022.6240	23+227.45	252704.2882	4032016.0671	33.32	10.96	5.529	18.8426	S53° 03' 00.15"W
C750	23+239.84	252693.2964	4032010.3381	23+235.77	252696.9074	4032012.2202	23+243.85	252690.4268	4032007.4488	26.20	8.06	4.072	17.6674	S53° 38' 15.51"W
C751	23+282.34	252663.3032	4031980.1389	23+252.92	252684.0333	4032001.0114	23+302.59	252638.3423	4031995.7068	36.89	49.67	22.418	77.1475	S83° 22' 39.70"W
C752	23+323.00	252621.0214	4032005.5097	23+319.70	252623.8213	4032004.7834	23+326.30	252618.0464	4032007.9374	59.83	6.59	3.300	6.3143	N61° 12' 20.51"W
C753	23+362.17	252585.7060	4032023.4582	23+354.74	252592.4024	4032020.2444	23+369.20	252581.7664	4032029.7551	25.62	14.46	7.428	32.3313	N48° 11' 49.91"W
C754	23+387.32	252572.1526	4032045.1215	23+382.19	252574.8759	4032040.7687	23+392.23	252567.6400	4032047.5710	19.52	10.04	5.135	29.4752	N46° 46' 08.97"W
C755	23+400.71	252560.1901	4032051.6148	23+396.42	252563.9630	4032049.5669	23+404.99	252556.6653	4032054.0653	77.82	8.58	4.293	6.3147	N58° 20' 57.91"W
C756	23+458.36	252512.8458	4032084.5296	23+447.86	252521.4707	4032078.5334	23+467.01	252503.2286	4032080.3044	18.75	19.15	10.504	58.5254	N84° 27' 17.24"W
C757	23+490.33	252481.8732	4032070.9223	23+484.66	252487.0671	4032073.2042	23+495.81	252476.2045	4032071.1461	24.59	11.15	5.673	25.9781	S79° 16' 17.54"W
C758	23+514.80	252457.2249	4032071.8953	23+510.46	252461.5695	4032071.7238	23+519.10	252453.0704	4032073.1777	33.26	8.65	4.348	14.8943	N80° 17' 32.18"W
C759	23+538.65	252434.3969	4032078.9420	23+526.99	252445.5318	4032075.5048	23+548.68	252424.8214	4032072.3005	23.95	21.69	11.653	51.8999	S81° 12' 17.72"W
C760	23+567.61	252409.2661	4032061.5114	23+559.15	252416.2189	4032066.3338	23+575.27	252400.8922	4032062.7282	21.48	16.12	8.462	42.9995	S76° 45' 16.93"W
C761	23+597.80	252378.5989	4032065.9603	23+590.07	252386.2486	4032064.8506	23+605.33	252371.1176	4032064.0162	38.30	15.25	7.730	22.8214	S86° 50' 37.41"W
C762	23+630.30	252346.9443	4032057.7344	23+622.95	252354.0640	4032059.5846	23+637.62	252339.6101	4032057.1664	82.93	14.67	7.356	10.1389	S80° 30' 08.23"W
C763	23+657.95	252319.3385	4032055.5965	23+650.59	252326.6773	4032056.1648	23+665.18	252312.5721	4032052.6988	44.57	14.59	7.361	16.7543	S78° 11' 39.83"W
C764	23+685.45	252293.9393	4032044.7194	23+678.42	252300.4034	4032047.4876	23+692.16	252289.7431	4032039.0767	26.08	13.74	7.032	30.1812	S51° 43' 55.87"W
C765	23+714.47	252276.4294	4032021.1733	23+706.75	252281.0372	4032027.3696	23+721.89	252269.4837	4032017.7995	31.61	15.15	7.722	27.4567	S50° 21' 51.80"W
C766	23+741.10	252252.2044	4032009.4065	23+735.09	252257.6118	4032012.0330	23+746.76	252249.1897	4032004.2054	19.67	11.67	6.012	33.9945	S47° 05' 43.72"W
C767	23+780.70	252242.1970	4031992.1415	23+755.72	252244.6977	4031996.4558	23+765.67	252240.4628	4031987.4660	58.48	9.95	4.987	9.7481	S25° 13' 27.06"W
C768	23+783.34	252234.3173	4031970.8971	23+776.77	252236.6002	4031977.0521	23+788.46	252227.7737	4031970.3701	10.30	11.69	6.565	65.0456	S52° 52' 22.70"W
C769	23+799.82	252216.4525	4031969.4584	23+794.99	252221.2662	4031969.8461	23+804.17	252213.2525	4031965.8414	11.98	9.18	4.829	43.8972	S63° 26' 49.87"W
C770	23+819.33	252203.2075	4031954.4870	23+813.81	252206.8640	4031958.6201	23+824.64	252198.0685	4031952.4762	22.87	10.83	5.518	27.1325	S55° 03' 53.37"W
C771	23+851.03	252173.4960	4031942.8618	23+842.98	252180.9958	4031945.7962	23+859.01	252166.8597	4031938.2991	69.92	16.04	8.053	13.1405	S62° 03' 38.97"W
C772	23+881.28	252148.5081	4031925.6820	23+874.09	252154.4342	4031929.7563	23+888.33	252144.3117	4031919.8418	41.22	14.24	7.192	19.7916	S45° 35' 41.14"W
C773	23+906.76	252133.5597	4031904.8783	23+902.03	252136.3165	4031908.7149	23+911.46	252131.4119	4031900.6703	62.41	9.43	4.724	8.6584	S31° 22' 11.06"W
C774	23+959.52	252109.5651	4031857.8685	23+950.23	252113.7867	4031866.1394	23+968.80	252105.9451	4031849.3172	259.66	18.56	9.286	4.0963	S24° 59' 32.63"W
C775	23+997.03	252094.9370	4031823.3133	23+987.84	252098.5219	4031831.7818	24+006.20	252092.4556	4031814.4585	144.37	18.37	9.196	7.2896	S19° 17' 58.10"W
C776	24+054.23	252079.4975	4031788.2182	24+049.91	252080.6674	4031772.3716	24+058.54	252078.1811	4031764.1107	233.70	8.63	4.313	2.1148	S16° 42' 43.47"W
C777	24+072.10	252074.0426	4031751.1971	24+066.40	252075.7814	4031756.6229	24+077.78	252073.1034	4031745.5775	78.70	11.36	5.698	8.2813	S13° 37' 43.75"W
C778	24+090.84	252070.9506	4031732.6966	24+083.61	252072.1413	4031739.8208	24+098.05	252069.0491	4031725.7283	143.21	14.43	7.223	5.7746	S12° 22' 31.78"W
C779	24+115.64	252064.4169	4031708.7523	24+109.98	252065.9076	4031714.2154	24+121.30	252062.3918	4031703.4639	113.95	11.32	5.663	5.6901	S18° 06' 28.20"W
C780	24+166.46	252046.2420	4031681.2856	24+158.21	252049.1907	4031668.9891	24+174.66	252041.9554	4031654.2446	90.87	16.45	8.246	10.3696	S26° 08' 15.50"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:
		a	AUGUST, 2024	TENDER DRAWINGS	G. DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN: INAM ULLAH			DATE:	
		c			CHECKED: S.DURRANI			AUG, 2024	
		d			APPROVED: AQEEL YOUNIS			DWG NO: CEC/KP-RRDP/RAIN-CHT-6/1/CD-21	
e									

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
C781	24+185.96	252036.0786	4031644.5874	24+179.27	252039.5586	4031650.3026	24+192.60	252031.4142	4031639.7913	59.27	13.32	6.690	12.8801	S37° 45' 44.89"W
C782	24+216.08	252015.0434	4031622.9583	24+205.45	252022.4585	4031630.5807	24+225.65	252004.4149	4031622.6586	26.20	20.20	10.633	44.1820	S66° 17' 36.73"W
C783	24+252.95	251977.1204	4031621.8888	24+244.47	251985.6023	4031622.1280	24+261.39	251968.8307	4031620.0774	90.52	16.92	8.485	10.7105	S83° 01' 45.46"W
C784	24+285.70	251945.0817	4031614.8881	24+278.66	251951.9539	4031616.3897	24+292.45	251938.3119	4031616.7993	28.12	13.79	7.034	28.0910	N88° 16' 49.69"W
C785	24+322.47	251909.4244	4031624.9545	24+309.77	251921.6442	4031621.5048	24+334.45	251897.3101	4031621.1511	42.60	24.68	12.697	33.1956	S89° 10' 02.07"W
C786	24+350.71	251881.7962	4031616.2802	24+343.70	251888.4884	4031616.3814	24+357.67	251874.8142	4031615.6082	67.11	13.98	7.014	11.9329	S78° 32' 09.28"W
C787	24+369.18	251863.3611	4031614.5059	24+362.02	251870.4869	4031615.1917	24+376.22	251856.8042	4031611.6329	44.78	14.20	7.159	18.1639	S75° 25' 13.50"W
C788	24+411.64	251824.3586	4031597.4162	24+402.03	251833.1587	4031601.2721	24+420.99	251814.7511	4031597.3356	46.85	18.95	9.608	23.1806	S77° 55' 43.60"W
C789	24+434.49	251801.2507	4031597.2222	24+427.05	251808.6869	4031597.2847	24+441.88	251793.9553	4031595.7801	79.40	14.83	7.436	10.7010	S84° 10' 06.89"W
C790	24+476.28	251760.2064	4031589.1087	24+474.61	251761.8490	4031589.4334	24+477.95	251758.5366	4031588.9833	27.64	3.34	1.674	6.8849	S82° 15' 37.95"W
C791	24+490.85	251745.6800	4031588.0172	24+487.87	251748.6434	4031588.2399	24+493.80	251742.8076	4031587.2551	32.15	5.93	2.972	10.5637	S80° 25' 16.18"W
C792	24+513.84	251723.4429	4031582.1167	24+507.12	251729.9337	4031583.8390	24+520.43	251716.7416	4031582.5514	41.07	13.31	6.715	18.5713	S84° 25' 29.94"W
C793	24+535.19	251702.0118	4031583.5066	24+529.54	251707.6526	4031583.1408	24+540.74	251696.8096	4031585.7179	33.21	11.20	5.653	19.3185	N76° 37' 48.33"W
C794	24+570.07	251669.8131	4031597.1935	24+560.32	251678.7874	4031593.3788	24+579.36	251660.1439	4031595.9300	35.80	19.04	9.751	30.4743	N82° 12' 28.68"W
C795	24+597.18	251642.4792	4031593.6216	24+592.85	251646.7670	4031594.1819	24+601.49	251638.2966	4031592.5236	68.12	8.64	4.324	7.2647	S78° 55' 21.24"W
C796	24+629.62	251611.0918	4031585.3815	24+621.96	251618.4936	4031587.3247	24+637.21	251604.2488	4031581.9556	73.52	15.25	7.653	11.8849	S69° 20' 52.04"W
C797	24+663.90	251580.3882	4031570.0099	24+655.82	251587.6118	4031573.6263	24+671.94	251572.6945	4031567.5476	104.41	16.12	8.078	8.8479	S67° 49' 45.44"W
C798	24+690.66	251554.8697	4031561.8430	24+688.33	251557.0926	4031562.5544	24+692.99	251552.5951	4031561.3193	55.89	4.67	2.334	4.7828	S74° 38' 40.61"W
C799	24+705.45	251540.4564	4031558.5249	24+702.72	251543.1154	4031558.1370	24+708.17	251537.9171	4031557.5266	36.72	5.45	2.728	8.4982	S72° 47' 12.80"W
C800	24+740.71	251507.6312	4031545.8197	24+734.46	251513.4445	4031547.9052	24+746.77	251501.3906	4031545.8935	29.42	12.31	6.247	23.9742	S80° 31' 29.63"W
C801	24+761.12	251487.0552	4031546.5224	24+753.74	251494.4259	4031546.1990	24+768.28	251480.1902	4031543.8197	34.71	14.54	7.378	24.0014	S80° 30' 40.62"W
C802	24+789.50	251460.4517	4031535.0487	24+786.04	251463.6652	4031537.3138	24+792.95	251457.2905	4031534.6580	175.33	6.91	3.464	2.2569	S67° 22' 55.68"W
C803	24+815.75	251436.4156	4031525.4744	24+812.13	251439.7347	4031526.9346	24+819.38	251433.0415	4031524.1466	183.42	7.25	3.626	2.2650	S67° 23' 10.39"W
C804	24+846.61	251407.6997	4031514.1737	24+837.53	251416.1500	4031517.4992	24+855.65	251399.9015	4031509.5203	111.11	18.12	9.081	9.3447	S63° 50' 47.04"W
C805	24+877.22	251381.3822	4031498.4692	24+872.00	251385.8641	4031501.1437	24+882.38	251377.7885	4031494.7035	38.72	10.38	5.219	15.3541	S51° 29' 49.32"W
C806	24+893.44	251370.1111	4031486.7240	24+886.62	251374.8286	4031491.6399	24+900.09	251363.9090	4031483.9033	35.51	13.46	6.813	21.7237	S54° 40' 54.68"W
C807	24+952.79	251315.9305	4031462.0824	24+946.03	251322.0881	4031464.8829	24+959.51	251309.3340	4031460.5843	66.24	13.48	6.764	11.6614	S71° 22' 27.91"W
C808	24+985.86	251283.6369	4031454.7485	24+977.99	251291.3149	4031456.4922	24+993.63	251276.7526	4031450.9276	55.20	15.64	7.874	16.2357	S69° 05' 14.18"W
C809	25+029.98	251244.9668	4031433.2863	25+025.69	251248.7230	4031435.3711	25+034.16	251240.6941	4031432.8398	21.05	8.48	4.296	23.0645	S72° 30' 05.98"W
C810	25+043.54	251231.3657	4031431.8649	25+038.59	251236.2946	4031432.3800	25+048.39	251226.9421	4031429.6306	26.96	9.80	4.956	20.8327	S73° 37' 03.26"W
C811	25+069.39	251208.1923	4031420.1598	25+063.40	251213.5440	4031422.8631	25+075.33	251202.3310	4031418.8972	46.67	11.93	5.896	14.6422	S70° 31' 20.41"W
C812	25+096.62	251181.5110	4031414.4123	25+088.37	251189.5818	4031416.1509	25+104.67	251174.7076	4031409.7352	41.79	16.30	8.256	22.3507	S66° 40' 05.02"W
C813	25+123.26	251159.3898	4031399.2047	25+117.51	251164.1247	4031402.4597	25+128.94	251153.9939	4031397.2303	45.45	11.43	5.746	14.4099	S62° 41' 51.43"W
C814	25+171.09	251114.4165	4031382.7491	25+164.14	251120.9404	4031385.1362	25+177.74	251107.5494	4031383.7995	27.06	13.60	6.947	28.7946	S84° 17' 59.47"W
C815	25+191.31	251094.1344	4031385.8516	25+184.84	251100.5289	4031384.8735	25+197.51	251088.0557	4031383.6388	25.29	12.67	6.469	28.7001	S84° 20' 49.51"W
C816	25+231.11	251056.4824	4031372.1452	25+226.85	251060.4814	4031373.6010	25+235.30	251052.2346	4031371.8847	29.36	8.45	4.256	16.4933	S78° 14' 37.27"W
C817	25+244.06	251043.4925	4031371.3485	25+239.15	251048.3922	4031371.5490	25+248.91	251038.8414	4031369.7787	36.94	9.76	4.909	15.1402	S78° 55' 12.86"W
C818	25+263.17	251025.3348	4031365.2202	25+254.09	251033.9401	4031368.1245	25+268.83	251021.6180	4031373.5070	10.00	14.75	9.082	84.4828	N66° 24' 12.46"W
C819	25+279.35	251017.3151	4031383.1006	25+274.21	251019.4168	4031378.4148	25+284.16	251012.8890	4031385.7052	16.11	9.94	5.136	35.3686	N41° 50' 28.91"W
C820	25+314.09	250987.0887	4031400.8871	25+305.05	250994.8835	4031396.3003	25+320.10	250981.2082	4031394.0156	10.79	15.06	9.044	79.9182	S50° 30' 54.81"W

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



<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. 58835-P)	a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	b			DRAWN: INAM ULLAH		FLOOD AFFECTED ROAD	DATE:	
			c			CHECKED: S.DURRANI			AUG, 2024	
			d			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
C821	25+327.38	250976.4760	4031388.4859	25+323.92	250978.7295	4031391.1192	25+330.78	250975.2399	4031385.2478	20.00	8.86	3.466	19.6630	S30° 43' 28.76"W
C822	25+341.72	250971.3368	4031375.0229	25+334.72	250973.8330	4031381.5621	25+345.00	250965.3119	4031378.5856	5.90	10.27	6.999	99.7040	S70° 44' 42.55"W
C823	25+363.49	250949.3952	4031387.9976	25+356.58	250955.3457	4031384.4789	25+369.77	250942.6257	4031386.5969	17.87	13.19	6.913	42.2877	N80° 32' 48.11"W
C824	25+404.40	250908.7101	4031379.5791	25+398.66	250914.3368	4031380.7434	25+409.38	250906.0833	4031374.4688	12.02	10.72	5.746	51.1052	S52° 45' 24.75"W
C825	25+419.06	250901.6580	4031365.8596	25+414.59	250903.7020	4031369.8362	25+423.38	250898.1152	4031363.1320	20.00	8.80	4.471	25.2033	S39° 48' 21.31"W
C826	25+434.01	250889.6953	4031356.6497	25+430.43	250892.5353	4031358.8361	25+437.57	250886.4864	4031355.0532	36.75	7.15	3.584	11.1412	S57° 58' 41.46"W
C827	25+499.71	250830.8494	4031327.3727	25+493.85	250836.0986	4031329.9843	25+505.57	250825.7986	4031324.3958	165.25	11.72	5.863	4.0639	S61° 31' 00.70"W
C828	25+565.24	250774.3960	4031294.0991	25+541.09	250795.1970	4031306.3592	25+588.54	250761.1625	4031273.9034	103.55	47.44	24.145	26.2497	S46° 21' 36.21"W
C829	25+600.79	250754.4448	4031263.6513	25+596.41	250756.8488	4031267.3201	25+605.12	250753.1866	4031259.4493	30.13	8.71	4.386	16.5661	S24° 57' 07.77"W
C830	25+616.42	250749.9438	4031248.6192	25+613.17	250750.8757	4031251.7318	25+619.67	250748.6495	4031245.6390	54.64	6.49	3.249	6.8054	S20° 04' 18.58"W
C831	25+634.78	250742.6271	4031231.7716	25+628.02	250745.3216	4031237.9761	25+641.50	250738.6996	4031226.2643	64.25	13.48	6.764	12.0196	S29° 29' 03.66"W
C832	25+661.30	250727.2032	4031210.1435	25+653.98	250731.4500	4031216.0986	25+668.52	250724.7050	4031203.2691	53.67	14.54	7.314	15.5220	S27° 43' 59.31"W
C833	25+688.02	250718.0464	4031184.9472	25+677.08	250721.7817	4031195.2253	25+698.09	250708.6468	4031179.3580	30.63	21.01	10.936	39.2918	S39° 37' 04.82"W
C834	25+726.49	250684.2365	4031164.8435	25+719.16	250690.5358	4031168.5891	25+733.77	250677.3076	4031162.4558	71.39	14.61	7.329	11.7225	S65° 07' 30.41"W
C835	25+778.64	250634.8852	4031147.8373	25+769.05	250643.9523	4031150.9618	25+788.04	250625.2951	4031147.9183	55.82	19.00	9.590	19.4975	S80° 44' 06.29"W
C836	25+835.57	250577.7718	4031148.3196	25+823.25	250590.0858	4031148.2156	25+847.31	250567.0840	4031142.2024	45.53	24.05	12.314	30.2685	S75° 20' 58.44"W
C837	25+872.05	250545.6117	4031129.9128	25+869.34	250547.9647	4031131.2595	25+874.76	250543.3192	4031128.4656	125.39	5.42	2.711	2.4772	S58° 58' 36.25"W
C838	25+902.98	250519.4551	4031113.4016	25+897.57	250524.0270	4031116.2876	25+908.37	250514.5520	4031111.1231	84.33	10.80	5.407	7.3370	S61° 24' 24.05"W
C839	25+965.77	250462.4980	4031086.9330	25+950.20	250476.6153	4031093.4935	25+979.68	250457.2840	4031072.2649	37.12	29.48	15.567	45.5067	S42° 19' 18.70"W
C840	25+991.75	250453.2407	4031060.8903	25+984.21	250455.7687	4031068.0020	25+998.93	250447.3999	4031056.1101	27.09	14.72	7.548	31.1338	S35° 08' 07.45"W
C841	26+045.17	250411.6190	4031026.8261	26+037.97	250417.1839	4031031.3806	26+052.36	250406.2115	4031022.0858	424.53	14.36	7.191	1.9409	S49° 43' 54.65"W
C842	26+086.39	250380.1639	4030999.2518	26+076.83	250387.8092	4031005.9536	26+097.05	250374.4860	4030990.8179	78.22	20.22	10.167	14.8124	S41° 21' 18.74"W
C843	26+132.10	250354.9098	4030961.7391	26+126.49	250358.0459	4030966.3975	26+137.70	250352.4925	4030956.6704	75.99	11.21	5.616	8.4525	S29° 43' 21.86"W
C844	26+174.23	250336.7649	4030923.6916	26+156.57	250344.3694	4030939.6372	26+191.46	250335.7423	4030906.0552	90.14	34.89	17.666	22.1779	S14° 24' 27.05"W
C845	26+211.07	250334.8068	4030896.4724	26+201.81	250335.1428	4030895.7170	26+220.26	250332.1168	4030877.5533	86.08	18.45	9.260	12.2801	S9° 27' 30.93"W
C846	26+252.69	250323.3987	4030846.3258	26+241.19	250326.4900	4030857.3987	26+264.12	250318.3971	4030835.9744	128.94	22.93	11.496	10.1904	S20° 41' 37.81"W
C847	26+290.25	250307.0282	4030812.4452	26+282.19	250310.5346	4030819.7020	26+298.24	250301.9903	4030806.1542	71.30	16.05	8.060	12.8988	S32° 14' 18.43"W
C848	26+309.19	250295.1512	4030797.6139	26+304.78	250297.9049	4030801.0525	26+313.59	250292.5055	4030794.0916	284.20	8.81	4.405	1.7761	S37° 47' 59.36"W
C849	26+359.67	250264.8286	4030757.2453	26+350.09	250270.5858	4030764.9098	26+368.87	250256.1329	4030753.2108	38.16	18.78	9.586	28.1989	S51° 00' 40.51"W
C850	26+406.20	250222.2675	4030737.4987	26+400.78	250227.1859	4030739.7807	26+411.62	250217.5620	4030734.8050	126.72	10.84	5.422	4.9000	S62° 39' 38.62"W
C851	26+467.06	250189.4505	4030707.2633	26+454.44	250180.4023	4030713.5327	26+479.42	250157.0174	4030705.1033	71.81	24.98	12.619	19.8336	S70° 10' 39.10"W
C852	26+496.45	250140.3394	4030702.1884	26+492.16	250144.4645	4030702.9224	26+500.73	250136.1102	4030701.0306	64.55	8.57	4.288	5.8070	S77° 14' 26.98"W
C853	26+525.93	250111.8428	4030694.2265	26+521.85	250115.7714	4030695.3280	26+529.97	250108.3111	4030692.1834	32.33	8.12	4.080	14.3866	S67° 08' 38.62"W
C854	26+545.37	250094.9813	4030684.4721	26+540.89	250098.8577	4030686.7146	26+549.84	250090.8689	4030682.6989	76.24	8.95	4.478	6.7232	S63° 18' 44.63"W
C855	26+569.34	250072.9610	4030674.9768	26+568.49	250073.7438	4030675.3144	26+570.19	250072.1970	4030674.5987	32.49	1.70	0.852	3.0063	S65° 10' 15.08"W
C856	26+594.65	250050.2739	4030663.7483	26+593.22	250051.5598	4030664.3847	26+596.09	250048.9515	4030663.1916	46.89	2.87	1.435	3.5051	S65° 25' 12.91"W
C857	26+626.14	250021.2554	4030651.5338	26+622.08	250024.9930	4030653.1070	26+630.16	250017.2653	4030650.8102	36.89	3.08	4.055	12.5478	S73° 25' 48.25"W
C858	26+642.94	250004.6876	4030648.5291	26+636.22	250011.2982	4030649.7280	26+649.55	249998.7676	4030645.3524	42.57	13.33	6.718	17.9388	S70° 45' 04.45"W
C859	26+686.30	249956.3862	4030627.9764	26+678.56	249973.2058	4030631.6359	26+693.84	249958.6855	4030627.2032	38.94	15.28	7.739	22.4844	S73° 01' 26.45"W
C860	26+708.17	249944.4249	4030625.7713	26+701.71	249950.8559	4030626.4170	26+714.57	249938.3543	4030623.5527	51.37	12.86	6.463	14.3418	S77° 05' 43.15"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:	
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	AUG, 2024	HORIZONTAL CURVE DATA
		b			DRAWN: INAM ULLAH					
		c			CHECKED: S.DURRANI					
d			APPROVED: AQEEL YOUNIS							
DWG NO: CEC/KP-RRDP/RW/N-CHT-6/HCD-23										

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
C861	26+777.20	249879.5282	4030602.0539	26+769.11	249887.1234	4030604.8296	26+785.25	249872.4671	4030598.1128	101.70	16.14	8.086	9.0921	S65° 02' 42.16"W
C862	26+824.09	249838.5555	4030573.1853	26+817.97	249843.9019	4030582.1694	26+830.10	249834.4404	4030574.6517	37.38	12.14	6.123	18.6030	S51° 31' 51.07"W
C863	26+843.01	249825.7633	4030565.0920	26+837.08	249829.7489	4030569.4830	26+848.79	249820.4010	4030562.5598	29.82	11.71	5.920	22.4930	S53° 28' 33.19"W
C864	26+888.06	249784.8945	4030545.7929	26+879.72	249792.4377	4030549.3550	26+895.72	249781.3886	4030538.2235	23.00	16.01	8.342	39.8707	S44° 47' 13.34"W
C865	26+908.68	249775.9410	4030526.4616	26+903.89	249777.9545	4030530.8089	26+912.99	249771.4665	4030524.7493	11.80	9.10	4.791	44.2077	S46° 57' 19.91"W
C866	26+923.49	249761.6630	4030520.9978	26+919.25	249765.6195	4030522.5118	26+927.69	249758.1236	4030518.6701	39.03	8.44	4.236	12.3699	S62° 51' 51.99"W
C867	26+974.42	249719.0794	4030492.9931	26+954.92	249735.3754	4030503.7100	26+992.45	249699.6544	4030494.7484	55.86	37.53	19.504	38.4940	S75° 54' 59.35"W
C868	27+032.25	249660.0180	4030498.3301	27+025.77	249666.4721	4030497.7469	27+038.44	249654.1167	4030495.6524	24.55	12.67	6.480	29.5696	S80° 22' 43.18"W
C869	27+061.89	249632.7642	4030485.9638	27+055.22	249638.8361	4030488.7189	27+068.37	249628.3086	4030481.0033	31.83	13.15	6.668	23.6628	S53° 45' 44.90"W
C870	27+074.92	249623.9282	4030476.1266	27+069.70	249627.4189	4030480.0128	27+080.07	249619.4538	4030473.4307	34.96	10.37	5.224	16.9989	S50° 25' 49.97"W
C871	27+085.91	249614.4485	4030470.4148	27+081.54	249618.1925	4030472.6707	27+090.21	249611.5775	4030467.1189	27.80	8.67	4.371	17.8718	S49° 59' 38.84"W
C872	27+098.55	249606.0972	4030460.8275	27+094.71	249608.8249	4030463.7293	27+102.34	249602.8138	4030458.8203	25.00	7.64	3.848	17.5045	S49° 48' 37.81"W
C873	27+118.54	249588.9964	4030450.3738	27+108.98	249597.1488	4030455.3574	27+127.50	249585.1577	4030441.6239	30.42	18.52	9.555	34.8750	S41° 07' 30.99"W
C874	27+143.41	249578.7650	4030427.0524	27+137.70	249581.0606	4030432.2851	27+148.83	249574.0514	4030423.8223	20.00	11.13	5.714	31.8900	S39° 37' 58.04"W
C875	27+157.12	249567.2112	4030419.1348	27+149.46	249573.5287	4030423.4641	27+164.69	249562.2614	4030413.2906	56.96	15.23	7.659	15.3146	S47° 55' 13.79"W
C876	27+204.44	249536.5687	4030382.9554	27+195.92	249542.0765	4030389.4584	27+212.84	249529.3854	4030378.3702	56.39	16.92	8.522	17.1864	S48° 51' 23.11"W
C877	27+253.53	249495.0804	4030356.4731	27+248.59	249499.2489	4030359.1339	27+258.46	249490.5885	4030354.4046	72.31	9.88	4.945	7.8242	S61° 21' 42.27"W
C878	27+285.56	249465.9807	4030343.0727	27+273.71	249476.7440	4030348.0292	27+296.99	249458.5032	4030333.8801	51.03	23.29	11.850	26.1478	S52° 11' 59.81"W
C879	27+337.28	249433.0815	4030302.6278	27+329.97	249437.6947	4030308.2991	27+344.56	249429.3662	4030296.3316	97.44	14.59	7.311	8.5815	S34° 50' 06.96"W
C880	27+359.43	249421.8111	4030283.5284	27+350.21	249426.4967	4030291.4689	27+368.55	249415.3076	4030276.9931	73.42	18.34	9.220	14.3160	S37° 42' 09.04"W
C881	27+383.88	249404.4928	4030266.1255	27+374.80	249410.9014	4030272.5654	27+392.62	249395.8318	4030263.3815	37.04	17.82	9.085	27.5598	S58° 38' 25.50"W
C882	27+418.00	249371.6377	4030255.7161	27+410.16	249379.1042	4030258.0817	27+425.76	249364.8956	4030251.7299	68.67	15.60	7.832	13.0134	S65° 54' 48.95"W
C883	27+459.43	249335.9143	4030234.5951	27+449.71	249344.2761	4030239.5399	27+468.89	249330.0698	4030226.8361	49.02	19.18	9.714	22.4183	S48° 11' 51.93"W
C884	27+505.76	249307.8903	4030197.3907	27+474.58	249326.6515	4030222.2979	27+534.44	249277.5632	4030190.1372	86.71	59.87	31.183	39.5602	S56° 46' 07.38"W
C885	27+561.04	249251.6933	4030183.9496	27+555.26	249257.3135	4030185.2939	27+566.77	249246.5480	4030181.3193	48.37	11.50	5.779	13.6252	S69° 44' 10.39"W
C886	27+592.37	249223.3041	4030169.4370	27+582.90	249232.1803	4030173.9745	27+602.54	249213.3479	4030168.9395	46.47	19.64	9.969	24.2160	S75° 01' 53.83"W
C887	27+626.21	249189.7114	4030167.7585	27+616.21	249199.6940	4030168.2573	27+635.66	249181.5738	4030161.9550	34.14	19.45	9.995	32.6350	S70° 49' 19.53"W
C888	27+647.67	249171.7969	4030154.9824	27+630.32	249178.5943	4030159.8301	27+655.93	249163.9965	4030152.0062	65.12	16.61	8.349	14.6113	S61° 48' 36.80"W
C889	27+695.59	249126.9398	4030137.8674	27+686.83	249135.1244	4030140.9901	27+703.88	249121.7175	4030130.8341	30.03	17.05	8.760	32.5211	S52° 51' 19.16"W
C890	27+719.83	249112.2070	4030118.0258	27+714.31	249115.4962	4030122.4555	27+725.08	249107.1119	4030115.9091	20.00	10.77	5.517	30.8447	S52° 01' 01.62"W
C891	27+752.47	249081.8168	4030105.4002	27+748.37	249087.4536	4030107.7420	27+758.46	249077.2395	4030101.3620	36.75	12.10	6.104	18.8586	S58° 00' 36.64"W
C892	27+773.57	249065.9100	4030091.3670	27+781.26	249075.1487	4030099.5157	27+783.94	249067.3678	4030079.1363	23.47	22.69	12.317	55.3777	S20° 53' 31.42"W
C893	27+800.27	249069.3003	4030062.9221	27+790.47	249068.1404	4030072.6534	27+808.70	249062.3206	4030056.0425	20.00	18.22	9.800	52.2106	S19° 18' 30.69"W
C894	27+855.17	249029.2207	4030023.4174	27+850.38	249032.6296	4030026.7773	27+859.90	249025.0546	4030021.0608	36.13	9.52	4.786	15.0915	S52° 57' 34.52"W
C895	27+883.37	249004.6284	4030009.5067	27+878.54	249008.8301	4030011.8834	27+888.17	249000.9018	4030006.4382	55.32	9.63	4.827	9.9737	S55° 31' 06.52"W
C896	27+921.24	248975.3728	4029985.4173	27+913.58	248981.2854	4029990.2858	27+928.68	248967.9927	4029983.3692	36.10	15.09	7.659	23.9577	S62° 30' 37.70"W
C897	27+963.42	248934.5192	4029974.0795	27+960.34	248937.4849	4029974.9025	27+966.49	248931.4952	4029973.5070	73.58	6.15	3.078	4.7904	S76° 53' 04.42"W
C898	27+990.42	248907.9848	4029969.0560	27+985.24	248913.0761	4029970.0199	27+995.55	248903.2635	4029966.9210	43.41	10.31	5.182	13.6130	S72° 28' 23.73"W
C899	28+053.46	248850.5021	4029943.0614	28+046.21	248857.1067	4029946.0481	28+060.68	248844.4014	4029939.1469	99.26	14.47	7.249	8.3531	S61° 29' 24.75"W
C900	28+098.00	248812.9882	4029918.9906	28+092.73	248817.4281	4029921.8394	28+103.26	248808.1803	4029916.8198	71.94	10.53	5.275	8.3877	S61° 30' 27.14"W

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






<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58435-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	INAM ULLAH			DATE:	
		c			CHECKED	S.DURRANI			AUG, 2024	
d			APPROVED	AOEEL YOUNIS	DWG NO: CECRP-RRDP/RWN-CHT-6/100-24					

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
C901	28+131.01	248782.8851	4029905.3994	28+119.39	248793.4811	4029910.1833	28+142.50	248773.9150	4029898.0034	87.09	23.12	11.626	15.2073	S58° 05' 51.84"W
C902	28+192.67	248735.2100	4029866.0908	28+186.40	248740.0435	4029870.0760	28+198.90	248729.7208	4029863.0720	66.91	12.49	6.265	10.6975	S55° 50' 34.11"W
C903	28+218.34	248712.6811	4029853.7011	28+213.56	248716.8676	4029856.0034	28+223.11	248708.3032	4029851.7874	105.27	9.55	4.778	5.1975	S63° 47' 25.04"W
C904	28+239.98	248692.8524	4029845.0336	28+235.27	248697.1671	4029846.9196	28+244.65	248689.0182	4029842.3001	45.28	9.38	4.709	11.8746	S60° 27' 06.29"W
C905	28+261.15	248675.5797	4029832.7196	28+252.85	248682.3397	4029837.5390	28+269.42	248668.1147	4029829.0866	99.55	16.57	8.302	9.5341	S59° 16' 53.41"W
C906	28+288.60	248650.8682	4029820.6930	28+282.31	248656.5255	4029823.4463	28+294.61	248647.2972	4029815.5128	23.93	12.30	6.292	29.4679	S49° 18' 52.57"W
C907	28+307.24	248640.1317	4029805.1183	28+302.31	248642.9256	4029809.1712	28+312.13	248636.6193	4029801.6695	51.39	9.82	4.923	10.9423	S40° 03' 06.59"W
C908	28+357.80	248604.0343	4029769.8739	28+354.08	248606.6859	4029772.2776	28+361.49	248600.9121	4029767.6583	36.49	7.41	3.716	11.6307	S51° 20' 18.10"W
C909	28+369.45	248594.2251	4029763.3411	28+364.61	248598.2872	4029765.9636	28+374.10	248591.8096	4029759.1526	20.00	9.49	4.835	27.1818	S43° 33' 46.13"W
C910	28+449.60	248554.0896	4029693.7457	28+443.26	248557.2616	4029699.2460	28+455.83	248549.2397	4029689.6478	36.32	12.57	6.349	19.8317	S39° 53' 16.00"W
C911	28+499.13	248516.1624	4029661.6989	28+492.31	248521.3694	4029666.0985	28+505.90	248510.1382	4029658.5084	63.31	13.58	6.817	12.2905	S55° 56' 56.05"W
C912	28+550.13	248471.0460	4029637.8051	28+542.40	248477.8762	4029641.4224	28+557.15	248463.5582	4029639.7209	20.00	14.75	7.729	42.2579	S83° 13' 23.28"W
C913	28+572.76	248448.4392	4029643.5894	28+568.55	248452.5147	4029642.5466	28+576.85	248444.2890	4029642.9020	20.00	8.29	4.207	23.7567	N87° 31' 34.42"W
C914	28+588.44	248432.8483	4029641.0071	28+583.86	248437.3689	4029641.7558	28+592.87	248428.4527	4029642.3011	20.00	9.01	4.582	25.8084	N86° 30' 01.30"W
C915	28+620.81	248401.6493	4029650.1917	28+604.77	248417.0362	4029645.6620	28+625.92	248403.2106	4029634.2281	10.82	21.15	16.040	111.9898	S50° 24' 32.21"W
C916	28+654.60	248406.0023	4029605.6847	28+635.02	248404.0963	4029625.1726	28+651.37	248392.7494	4029620.0990	6.55	16.36	19.581	142.9897	S65° 54' 32.11"W
C917	28+676.89	248375.4778	4029638.8842	28+658.45	248387.9635	4029625.3043	28+681.84	248368.6724	4029621.7379	11.58	23.40	18.447	115.7555	S79° 31' 33.74"W
C918	28+732.52	248349.3775	4029574.6359	28+724.34	248352.9969	4029582.2433	28+740.44	248350.4689	4029566.4660	36.78	16.11	8.185	25.0905	S9° 06' 11.04"W
C919	28+771.09	248352.3091	4029535.8721	28+756.14	248351.4114	4029550.7965	28+785.52	248346.5085	4029522.0917	64.07	29.38	14.951	26.2699	S9° 41' 34.01"W
C920	28+809.83	248337.0771	4029499.6857	28+801.98	248340.1221	4029508.9196	28+817.60	248332.3916	4029493.3891	64.73	15.62	7.849	13.8261	S29° 44' 26.77"W
C921	28+835.65	248321.6179	4029478.9106	28+830.83	248324.6149	4029482.9382	28+840.65	248318.0381	4029475.3908	65.02	10.02	5.020	8.8299	S41° 04' 07.51"W
C922	28+869.35	248297.5696	4029455.2649	28+862.15	248302.7031	4029460.3125	28+875.57	248290.4229	4029456.1345	14.94	13.42	7.199	51.4535	S71° 12' 37.54"W
C923	28+890.71	248275.3922	4029457.9633	28+882.92	248283.1301	4029457.0218	28+897.81	248269.0091	4029453.4893	20.33	14.89	7.795	41.9641	S75° 57' 18.43"W
C924	28+927.09	248245.0258	4029436.8792	28+924.04	248247.5252	4029438.4310	28+930.14	248242.7201	4029434.6794	59.13	6.10	3.052	5.9093	S52° 01' 06.35"W
C925	28+977.68	248206.8102	4029403.5335	28+967.40	248214.5721	4029410.2657	28+987.92	248199.9362	4029395.8970	166.28	20.52	10.275	7.0717	S45° 31' 40.57"W
C926	29+025.97	248174.4841	4029367.6218	29+022.71	248176.6648	4029370.0444	29+029.20	248171.8176	4029365.7472	28.83	6.49	3.260	12.9008	S48° 26' 32.96"W
C927	29+036.71	248165.6729	4029361.4275	29+033.15	248168.5878	4029363.4767	29+040.25	248163.2189	4029358.8443	35.82	7.10	3.563	11.3613	S49° 12' 44.07"W
C928	29+107.16	248117.1355	4029310.3362	29+102.24	248120.5223	4029313.9012	29+112.04	248113.0589	4029307.5864	45.02	9.80	4.917	12.4680	S49° 45' 56.14"W
C929	29+128.76	248099.1964	4029298.2359	29+123.12	248103.8709	4029301.3890	29+134.39	248094.8797	4029294.6084	106.85	11.27	5.639	6.0416	S52° 58' 43.76"W
C930	29+167.17	248069.7803	4029273.5161	29+162.56	248073.3105	4029276.4827	29+171.77	248066.7049	4029270.0802	64.91	9.21	4.611	8.1273	S45° 53' 39.85"W
C931	29+181.85	248059.9773	4029262.5639	29+177.07	248063.1695	4029266.1303	29+186.46	248055.5163	4029260.8290	20.00	9.40	4.786	26.9179	S55° 17' 23.03"W
C932	29+200.23	248042.6831	4029255.8381	29+195.58	248047.0242	4029257.5264	29+204.84	248038.9224	4029253.0897	35.60	9.26	4.658	14.9092	S61° 17' 38.74"W
C933	29+223.94	248023.5016	4029241.8197	29+219.87	248026.7873	4029244.2210	29+227.90	248019.5389	4029240.5933	20.00	8.03	4.070	23.0030	S65° 20' 27.64"W
C934	29+247.17	248000.7695	4029236.5057	29+238.31	248009.3982	4029238.5228	29+255.00	247996.4668	4029228.7592	20.00	16.68	8.861	47.7930	S52° 56' 45.68"W
C935	29+279.30	247984.6672	4029207.5155	29+275.57	247986.4754	4029210.7710	29+282.78	247985.0735	4029203.8137	11.70	7.21	3.724	35.3129	S11° 23' 35.00"W
C936	29+291.16	247985.9872	4029195.4882	29+287.40	247985.5774	4029199.2222	29+294.52	247983.6293	4029192.5640	9.04	7.12	3.756	45.1454	S16° 18' 33.40"W
C937	29+303.28	247978.1323	4029185.7471	29+297.31	247981.8827	4029190.3961	29+308.92	247977.5475	4029179.8011	20.00	11.61	5.975	33.2654	S22° 14' 57.30"W
C938	29+327.99	247975.6806	4029160.8169	29+319.88	247976.4749	4029168.8942	29+335.74	247979.0253	4029153.4219	30.34	15.86	8.116	29.9532	S9° 21' 36.31"E
C939	29+369.41	247992.9003	4029122.7445	29+353.21	247986.2238	4029137.5060	29+378.63	247978.1213	4029116.1068	16.16	25.42	16.201	90.1504	S20° 44' 18.66"W
C940	29+408.10	247951.2407	4029104.0339	29+400.78	247957.9147	4029107.0314	29+415.35	247945.4169	4029099.6054	63.90	14.57	7.316	13.0636	S59° 16' 54.95"W

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

JV
Creative Engineering Consultants
International Ltd.

 <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-P)	0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	1			DRAWN	INAM ULLAH			DATE:	
			2			CHECKED	S.DURRANI			AUG. 2024	
			3			APPROVED	AQEEL YOUNIS			DWG NO: CEC/KP-RRDP/MIN-CHT-6/HCD-25	
		4									

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
C941	29+490.16	247885.8711	4029054.3260	29+483.11	247891.4826	4029058.5930	29+497.09	247881.8786	4029048.5159	43.88	13.98	7.050	18.2542	S43° 37' 22.94"W
C942	29+524.34	247866.4453	4029026.0569	29+519.43	247869.2218	4029030.0974	29+529.22	247863.1354	4029022.4404	70.35	9.79	4.902	7.9692	S38° 26' 50.04"W
C943	29+561.08	247841.6284	4028998.9410	29+555.27	247844.8786	4029002.4923	29+565.82	247839.5831	4028994.5830	31.60	9.55	4.814	17.3240	S33° 48' 11.51"W
C944	29+586.63	247830.7419	4028975.7442	29+576.23	247835.1601	4028985.1585	29+596.62	247822.4455	4028969.4736	42.06	20.39	10.400	27.7760	S39° 01' 45.22"W
C945	29+610.84	247811.1027	4028960.3005	29+606.69	247814.4089	4028963.3994	29+614.98	247807.5711	4028958.7317	85.84	8.28	4.144	5.5281	S55° 40' 52.62"W
C946	29+649.38	247778.2558	4028940.7287	29+646.80	247780.4510	4028942.0769	29+651.95	247775.9319	4028939.6168	49.28	5.15	2.576	5.9850	S61° 26' 16.19"W
C947	29+670.11	247759.5478	4028931.7776	29+664.02	247765.0411	4028934.4059	29+676.06	247755.3778	4028927.3396	32.52	12.04	6.090	21.2135	S53° 49' 24.98"W
C948	29+697.59	247740.6361	4028911.6505	29+693.16	247743.6693	4028914.8786	29+701.89	247736.5619	4028909.9120	21.13	8.73	4.430	23.6747	S55° 03' 15.25"W
C949	29+711.36	247727.8531	4028906.1959	29+705.47	247733.2736	4028908.5088	29+716.46	247726.2728	4028900.5183	12.26	10.99	5.893	51.3377	S41° 13' 21.84"W
C950	29+722.23	247724.7246	4028894.9558	29+717.93	247725.8792	4028899.1041	29+726.37	247721.7904	4028891.8042	17.66	6.45	4.306	27.3998	S29° 15' 13.60"W
C951	29+772.07	247690.6548	4028858.3612	29+764.66	247695.7011	4028863.7815	29+779.35	247684.2027	4028854.7256	47.71	14.69	7.406	17.6462	S51° 46' 36.54"W
C952	29+794.58	247670.9398	4028847.2523	29+790.85	247674.1874	4028849.0823	29+798.30	247667.5503	4028845.7008	88.85	7.45	3.728	4.8050	S63° 00' 08.86"W
C953	29+845.36	247624.7600	4028826.1144	29+841.82	247627.9783	4028827.5875	29+848.89	247621.3655	4028825.1119	49.74	7.07	3.539	8.1411	S69° 28' 31.94"W
C954	29+869.01	247602.0723	4028819.4139	29+862.81	247608.0112	4028821.1679	29+874.86	247598.0046	4028814.7448	21.26	12.05	6.192	32.4837	S57° 18' 15.20"W
C955	29+890.01	247588.0574	4028803.3269	29+886.76	247590.1909	4028805.7758	29+893.25	247585.6041	4028801.1984	46.50	6.48	3.248	7.9917	S45° 03' 29.55"W
C956	29+914.10	247569.8532	4028787.5325	29+907.18	247575.0790	4028792.0665	29+920.93	247563.5903	4028784.5926	49.86	13.75	6.919	15.8003	S56° 57' 15.25"W
C957	29+944.01	247542.7007	4028774.7869	29+939.16	247547.0911	4028776.8478	29+948.83	247538.0224	4028773.5077	56.27	9.68	4.850	9.8523	S69° 46' 50.05"W
C958	29+967.07	247520.4345	4028768.6984	29+960.03	247527.2178	4028770.5532	29+974.06	247514.1246	4028765.5938	73.68	14.02	7.032	10.9047	S69° 15' 15.76"W

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

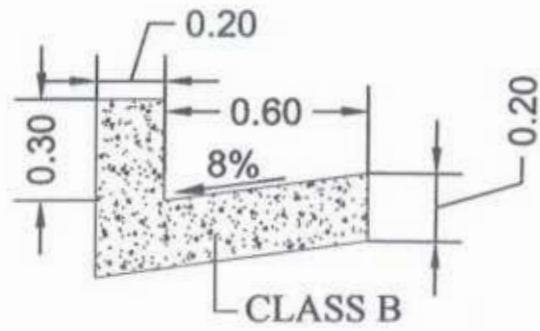


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SON BHD (COMPANY NO. 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH	N.T.S
		1			DRAWN	INAM ULLAH						DATE:
		2			CHECKED	S.DURRANI						AUG, 2024
3			APPROVED	AQEEL YOUNIS	DWG NO: CEC/KP-RRDP/BN-CHT-6/HCD-26							

TYPICAL SECTIONS

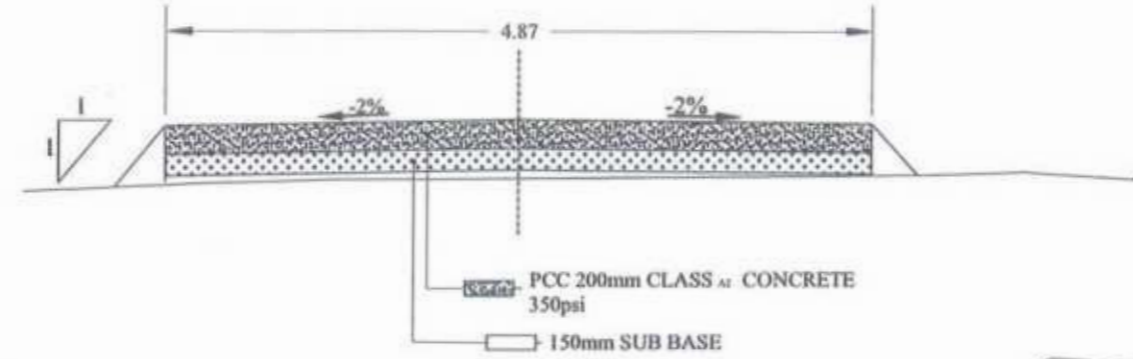

Project Director (PTU)
Provincial Roads Improvement Project
C&W Department Peshawar



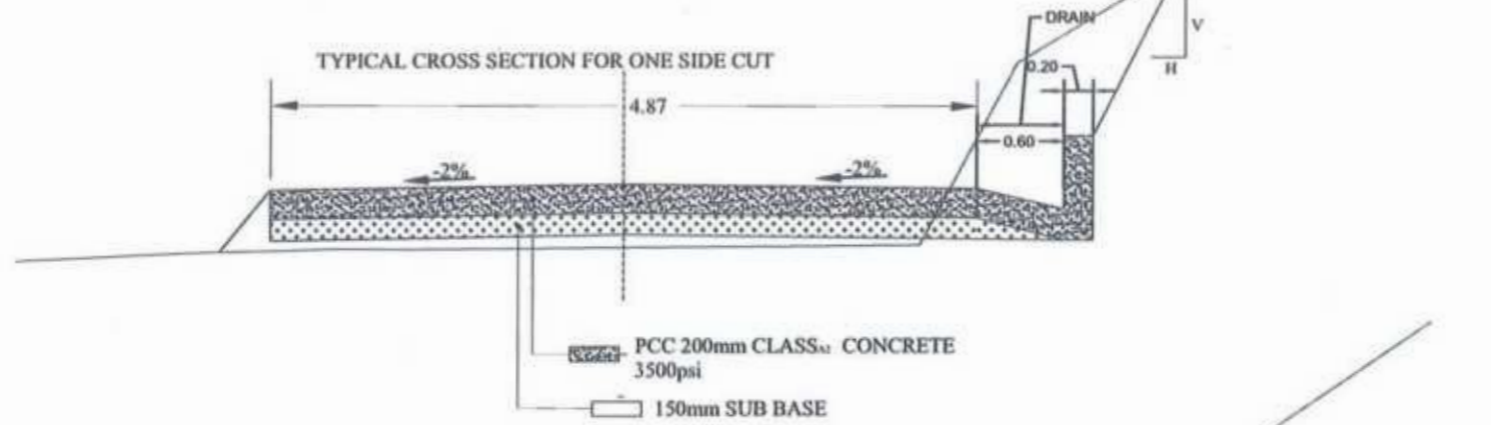


DETAIL "A"

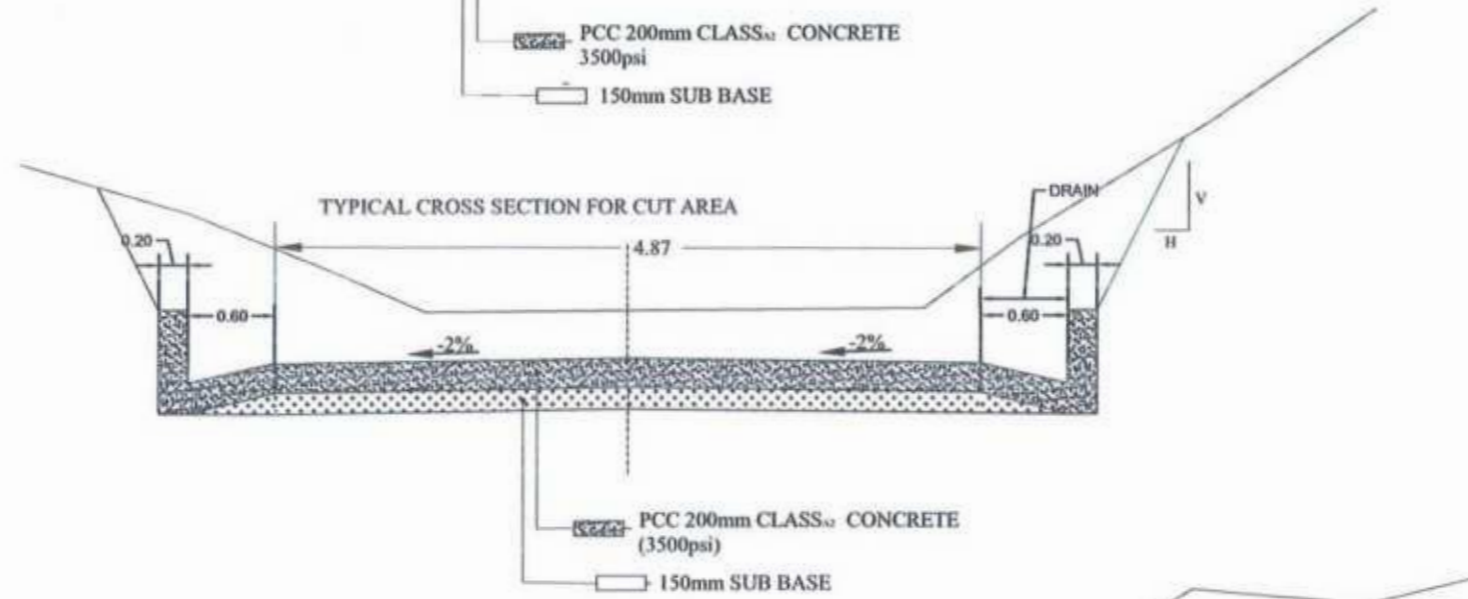
TYPICAL CROSS SECTION FOR OPEN AREA



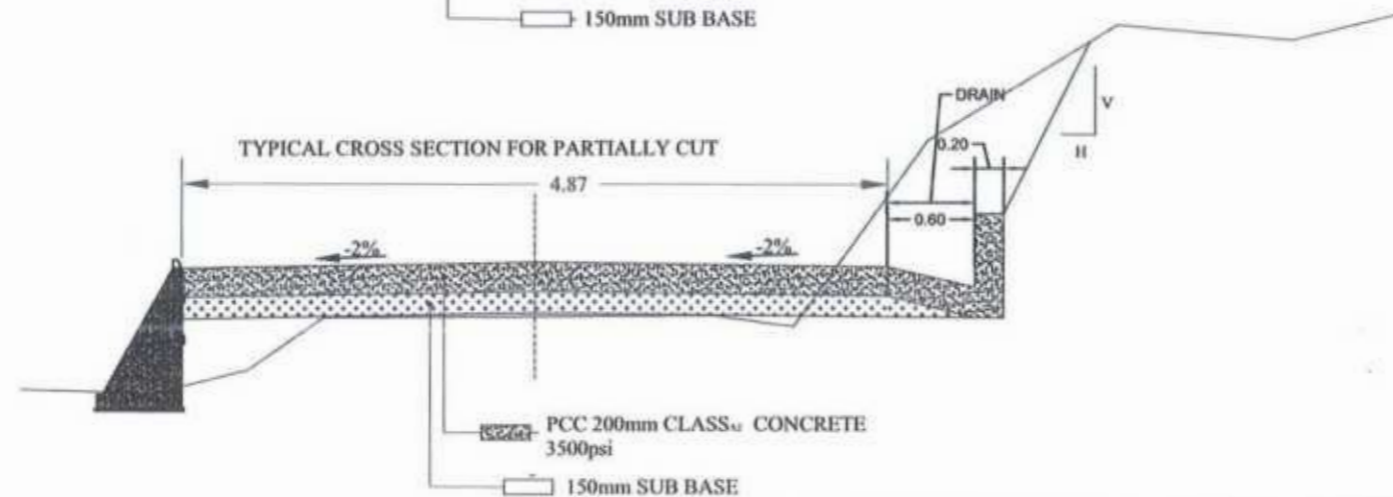
TYPICAL CROSS SECTION FOR ONE SIDE CUT



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



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) N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	DESIGNED	REHMAT		TYPICAL CROSS SECTIONS	NTS:	DWGNO. CEC/KP-RRDP/HW/N-CHT-6/TC3 01
		1			DRAWN:	INAM ULLAH			DATE:	
		2			CHECKED	S-OURRANI			AUG 2024	
3			APPROVED	AQEEL YOUNIS						

EXISTING CULVERT & CAUSEWAY

S. No.	Location (Km)	Type of Structure	Skew	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	0+050 TO 0+175	BRIDGE								BRIDGE	63 m	PROPOSED BRIDGE
2	0+315 OT 0+340	BRIDGE								BRIDGE	25 m	PROPOSED BRIDGE
3	1+525									CAUSEWAY	15 m	PROPOSED CAUSEWAY
4	2+233 TO 2+252	BRIDGE								BRIDGE	20 m	PROPOSED BRIDGE
5	4+183									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
6	4+625									CAUSEWAY	18 m	PROPOSED CAUSEWAY
7	5+190									CAUSEWAY	12 m	PROPOSED CAUSEWAY
8	5+367									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
9	5+542									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
10	6+080									CAUSEWAY	17 m	PROPOSED CAUSEWAY
11	6+690									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
12	7+030									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
13	7+715									CAUSEWAY	20 m	PROPOSED CAUSEWAY
14	7+800									CAUSEWAY	27 m	PROPOSED CAUSEWAY
15	8+740									CAUSEWAY	15 m	PROPOSED CAUSEWAY
16	8+865									CAUSEWAY	16 m	PROPOSED CAUSEWAY
17	9+880									CAUSEWAY	25 m	PROPOSED CAUSEWAY
18	11+010									CAUSEWAY	27 m	PROPOSED CAUSEWAY
19	11+575									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
20	12+605									CAUSEWAY	28 m	PROPOSED CAUSEWAY
21	13+220									CAUSEWAY	24 m	PROPOSED CAUSEWAY
22	14+670									CAUSEWAY	28 m	PROPOSED CAUSEWAY
23	14+945									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
24	15+675									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
25	16+660									CAUSEWAY	29 m	PROPOSED CAUSEWAY
26	17+190									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
27	17+560									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
28	18+310									CAUSEWAY	14 m	PROPOSED CAUSEWAY
29	18+490									CAUSEWAY	16 m	PROPOSED CAUSEWAY
30	18+850									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
31	19+960									CAUSEWAY	34 m	PROPOSED CAUSEWAY
32	19+970									CAUSEWAY	34 m	PROPOSED CAUSEWAY
33	21+075									CAUSEWAY	17 m	PROPOSED CAUSEWAY
34	21+650									CAUSEWAY	29 m	PROPOSED CAUSEWAY
35	23+780									CAUSEWAY	22 m	PROPOSED CAUSEWAY
36	25+340									CAUSEWAY	20 m	PROPOSED CAUSEWAY
37	25+975									CAUSEWAY	51 m	PROPOSED CAUSEWAY
38	28+640									CAUSEWAY	36 m	PROPOSED CAUSEWAY
39	29+217									SLAB CULVERT	2 x 1.5	PROPOSED SLAB CULVERT
40	29+290									CAUSEWAY	25 m	PROPOSED CAUSEWAY

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



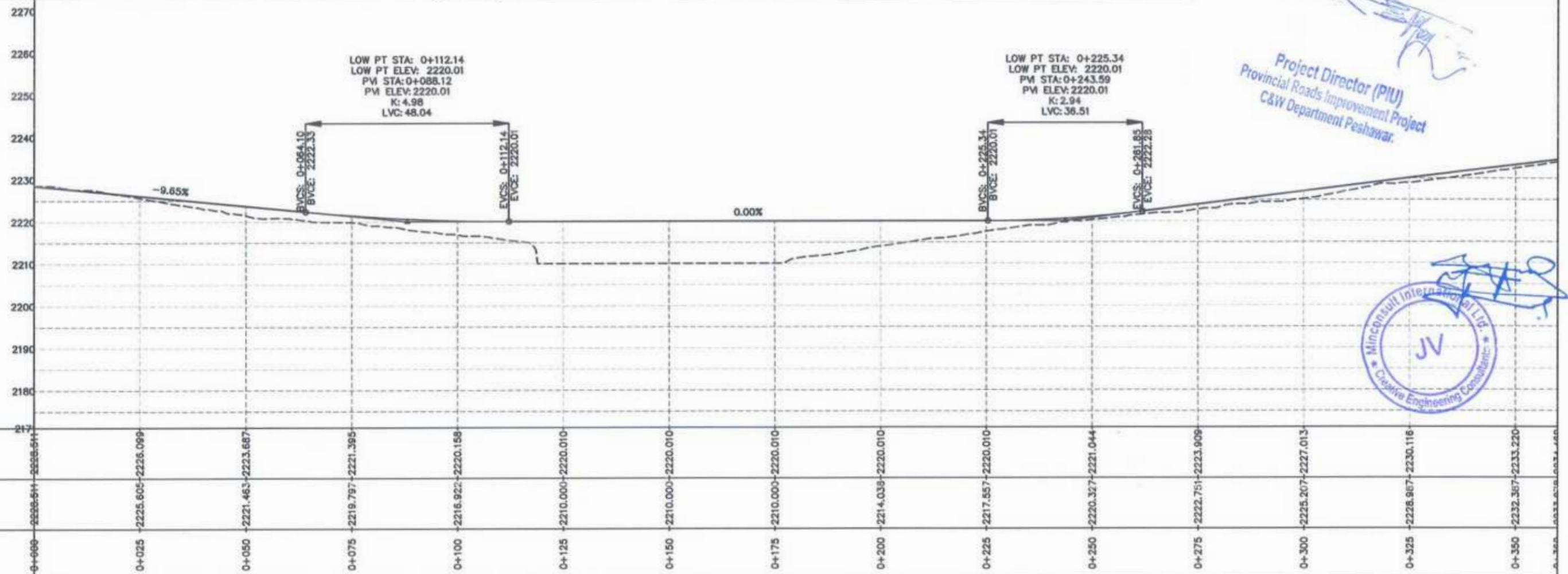
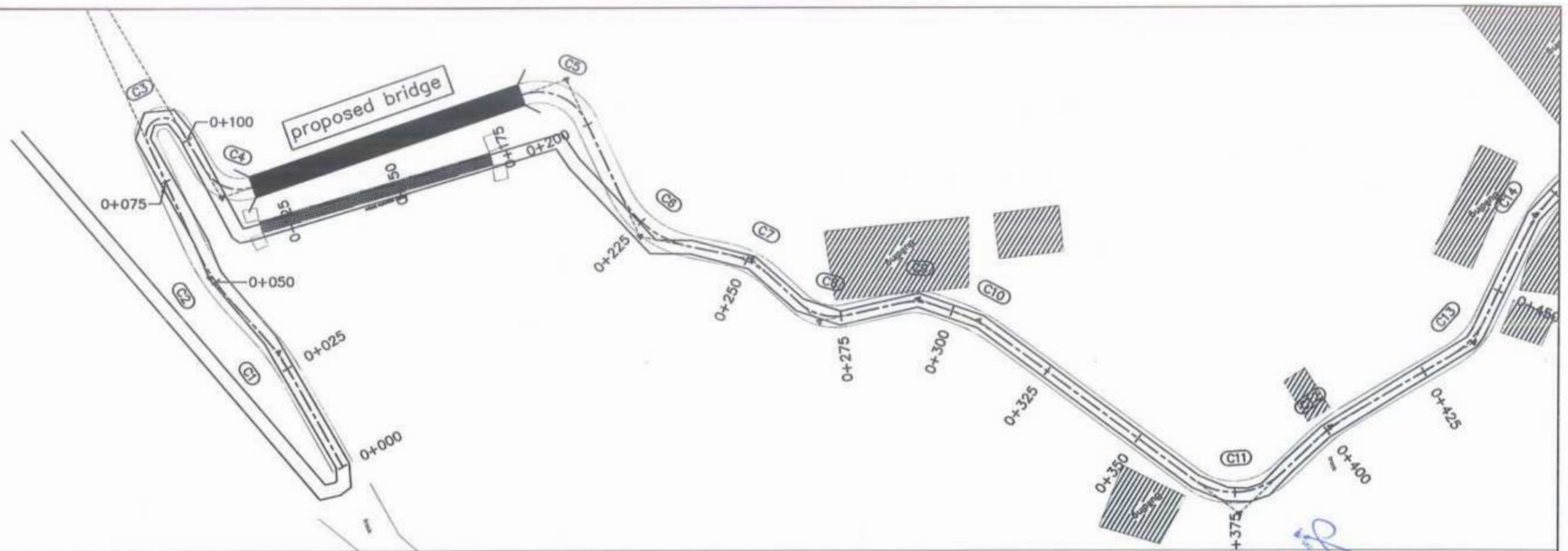
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUGUST, 2024	TENDER DRAWINGS	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED ROAD	N.T.5 DATE: AUG, 2024	STRUCTUR INVENTORY
		a			DRAWN: INAM ULLAH				
		b			CHECKED: S.DURRANI				
	c			APPROVED: AGEEL YOUNIS					
DWG NO: CEC/KP-RRDP/HWN-CHT-6/29-01									

PLAN & PROFILE DRAWINGS



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





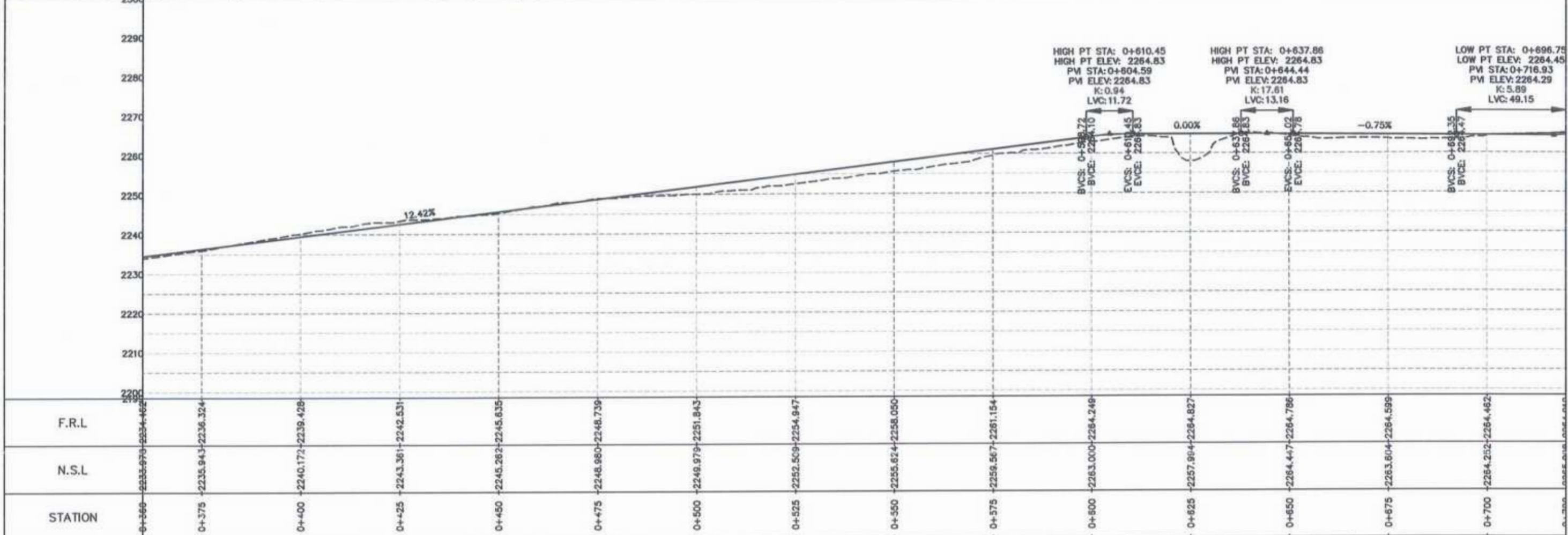
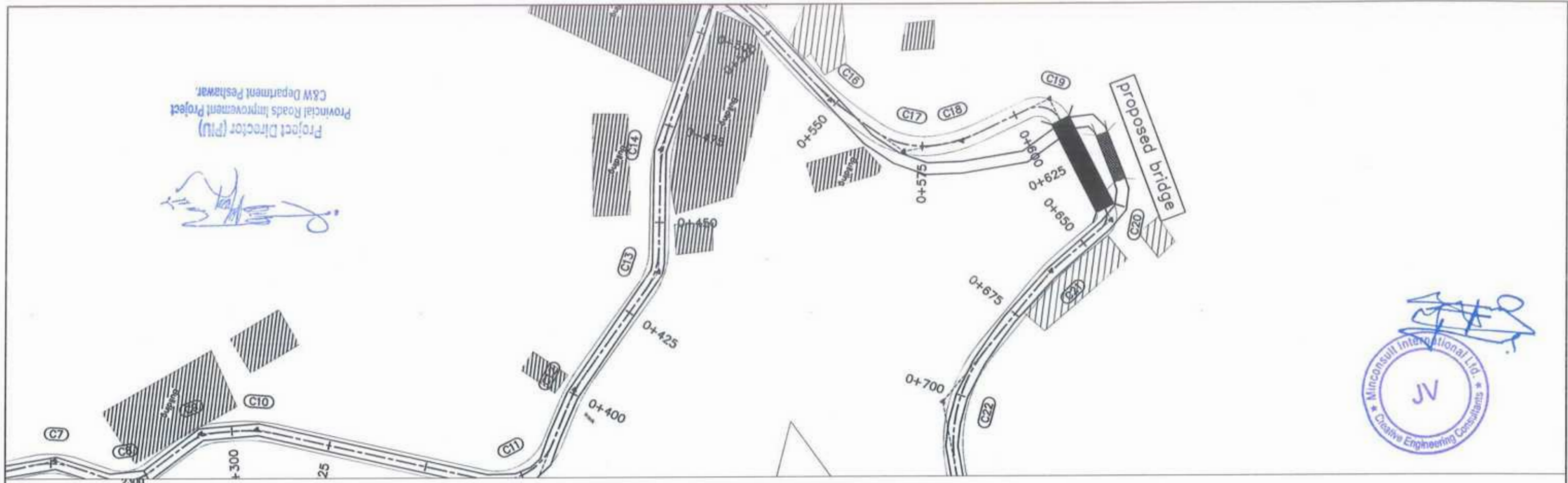
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



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	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 0+000.00 - 0+360.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 1
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)			DATE:	
								Aug 2024.	

Project Director (PIU)
 C&W Department Peshawar

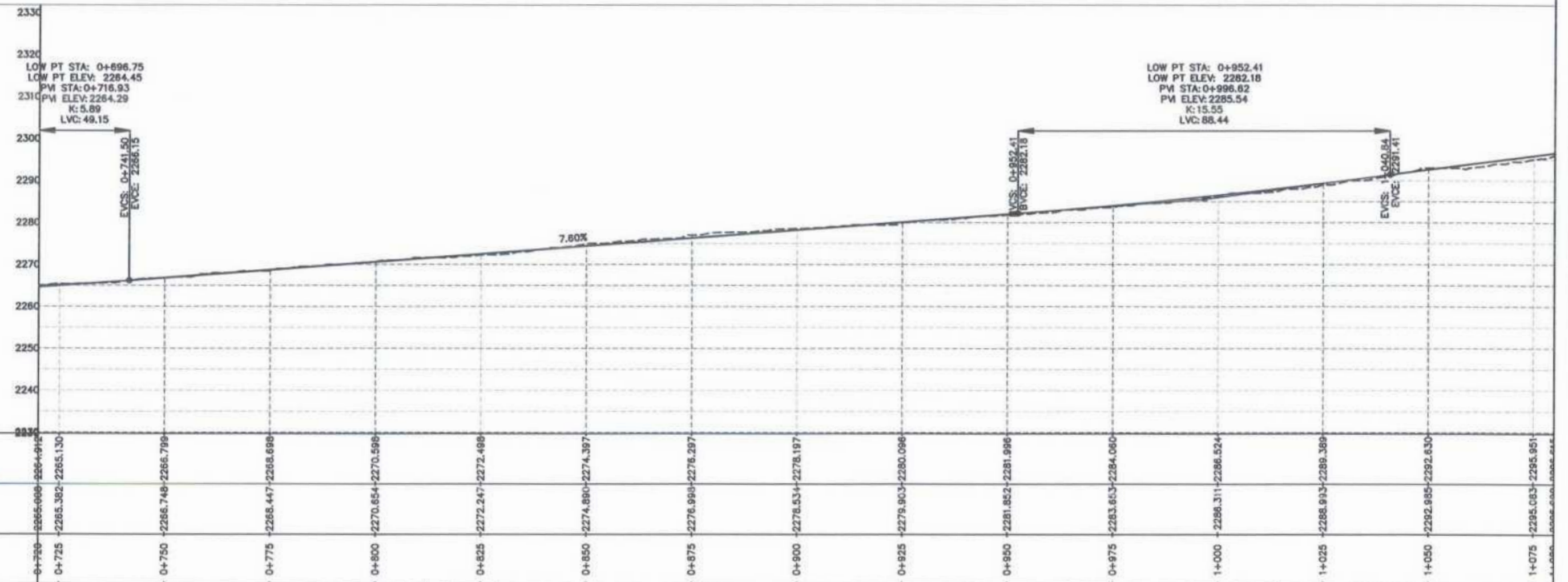
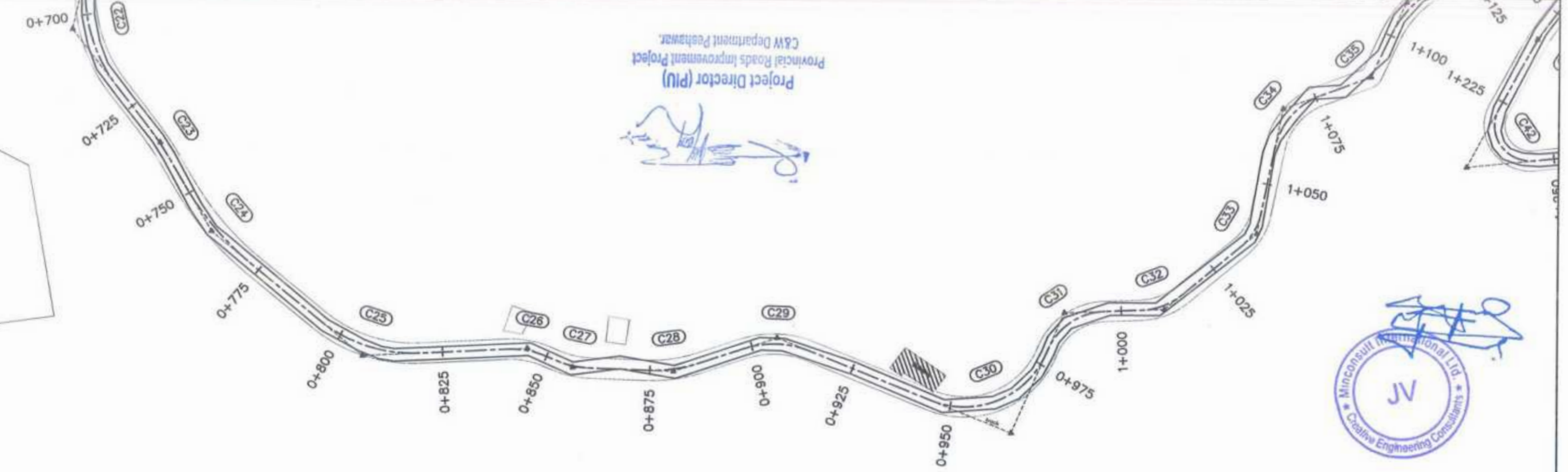
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STATION	N.S.L	F.R.L
0+300	2235.970	2234.462
0+375	2235.943	2236.324
0+400	2240.172	2239.428
0+425	2243.361	2242.531
0+450	2245.262	2245.635
0+475	2248.980	2248.739
0+500	2249.979	2251.843
0+525	2252.509	2254.947
0+550	2255.624	2258.050
0+575	2259.567	2261.154
0+600	2263.000	2264.249
0+625	2257.964	2264.827
0+650	2264.447	2264.786
0+675	2263.604	2264.599
0+700	2264.252	2264.462

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-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 0+360.00 - 0+720.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 2
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		c			APPROVED: AQEEL YOUNIS				

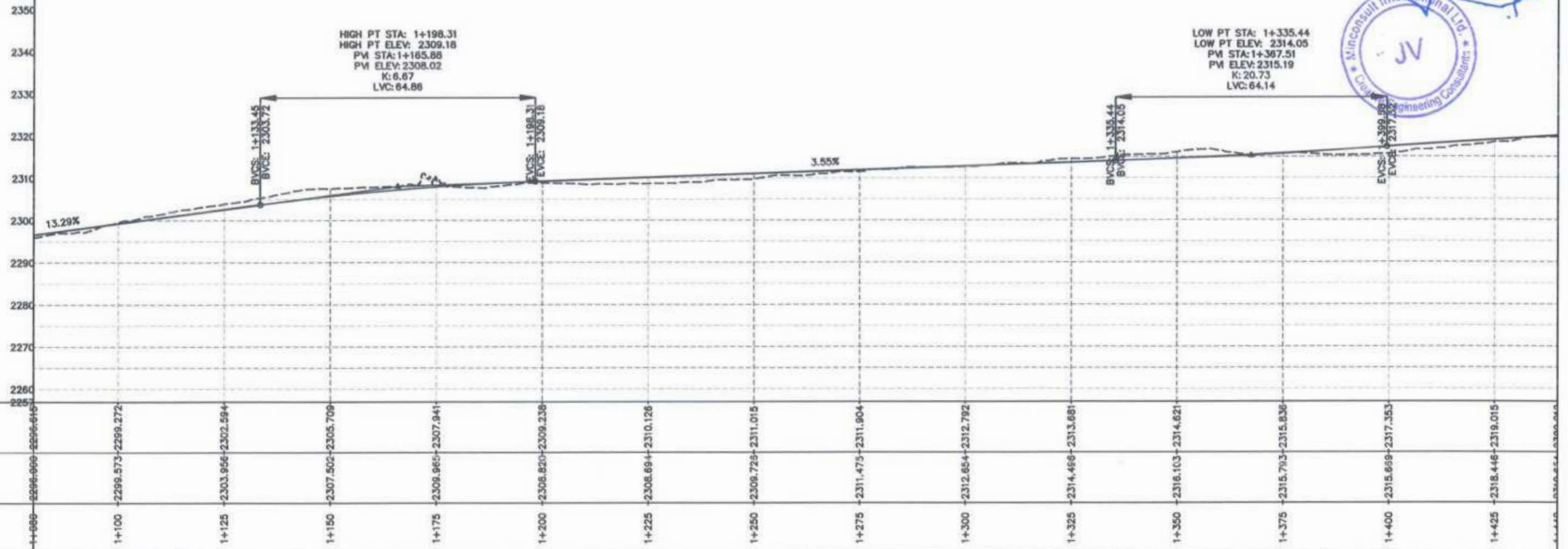
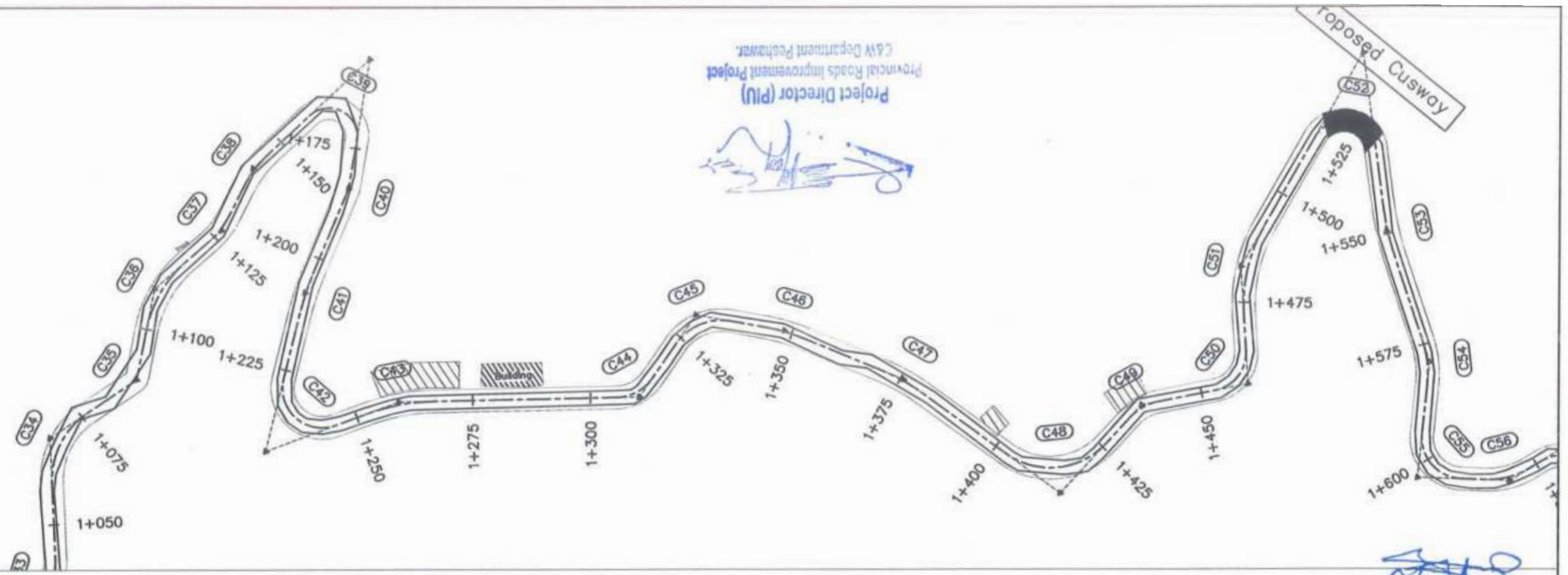
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



STATION	N.S.L	F.R.L
0+720	2265.968	2264.912
0+725	2265.382	2265.130
0+750	2266.748	2266.799
0+775	2268.447	2268.698
0+800	2270.654	2270.596
0+825	2272.247	2272.488
0+850	2274.890	2274.397
0+875	2276.998	2276.297
0+900	2278.534	2278.197
0+925	2279.903	2280.096
0+950	2281.852	2281.996
0+975	2283.653	2284.060
1+000	2286.311	2286.524
1+025	2288.933	2289.389
1+050	2292.985	2292.630
1+075	2295.083	2295.951

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	N-CHT-6	H=1:1000	PLAN & PROFILE 0+720.00 - 1+080.00
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AQEEL YOUNIS			DWG NO: CEC/HW/RRDP/N-CHT-6/PPY	
					3					

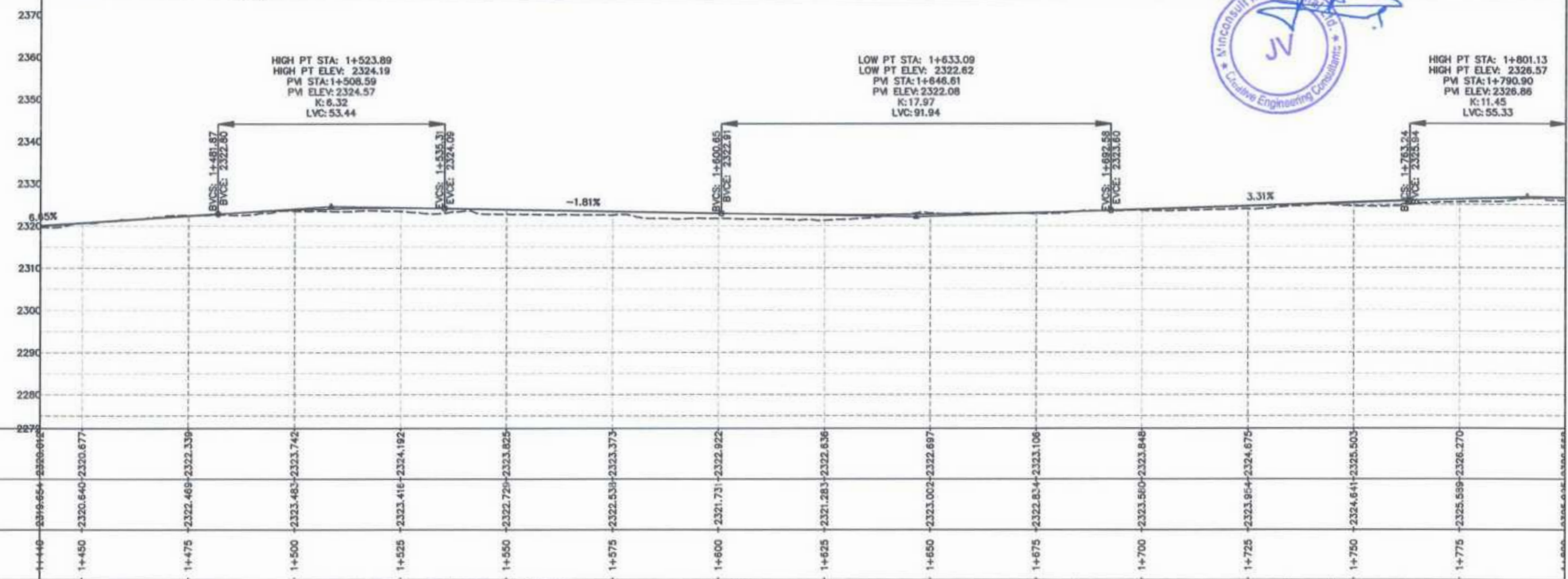
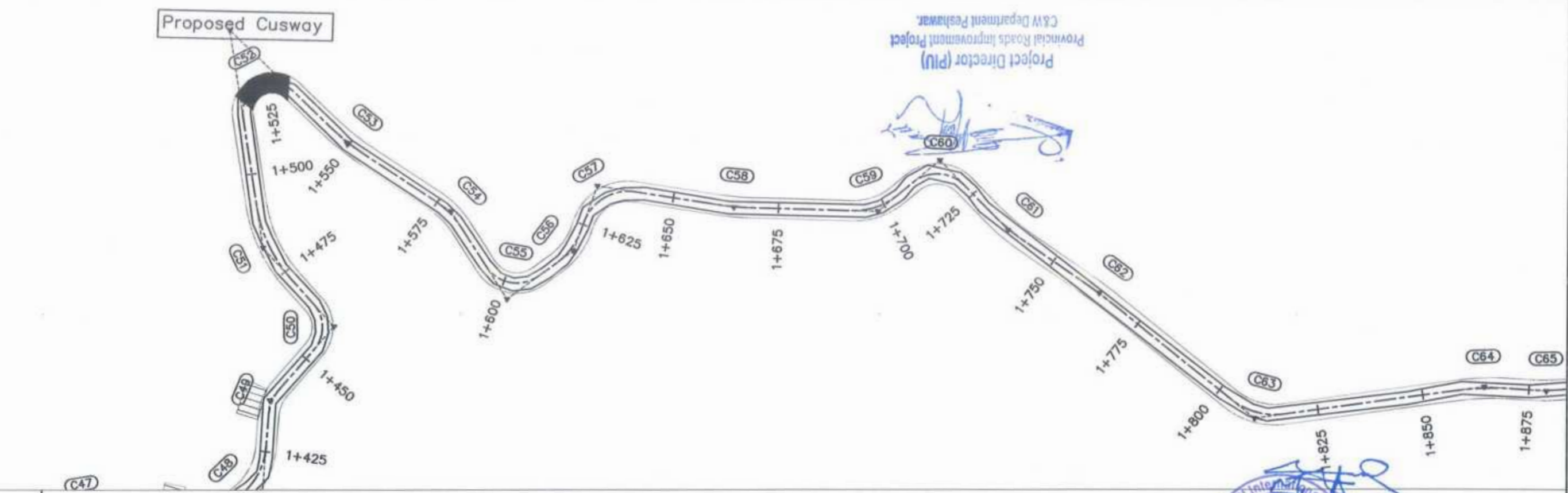
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



<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:	SHEET CONTENT:	
		0	Aug 2024.	Tender Drawings.	G.DESIGNED					REHMAT
		a			DRAWN					INAM ULLAH
		b			CHECKED					S-DURRANI
					APPROVED	AQEEL YOUNIS	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024.	PLAN & PROFILE 1+080.00 - 1+440.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 4	

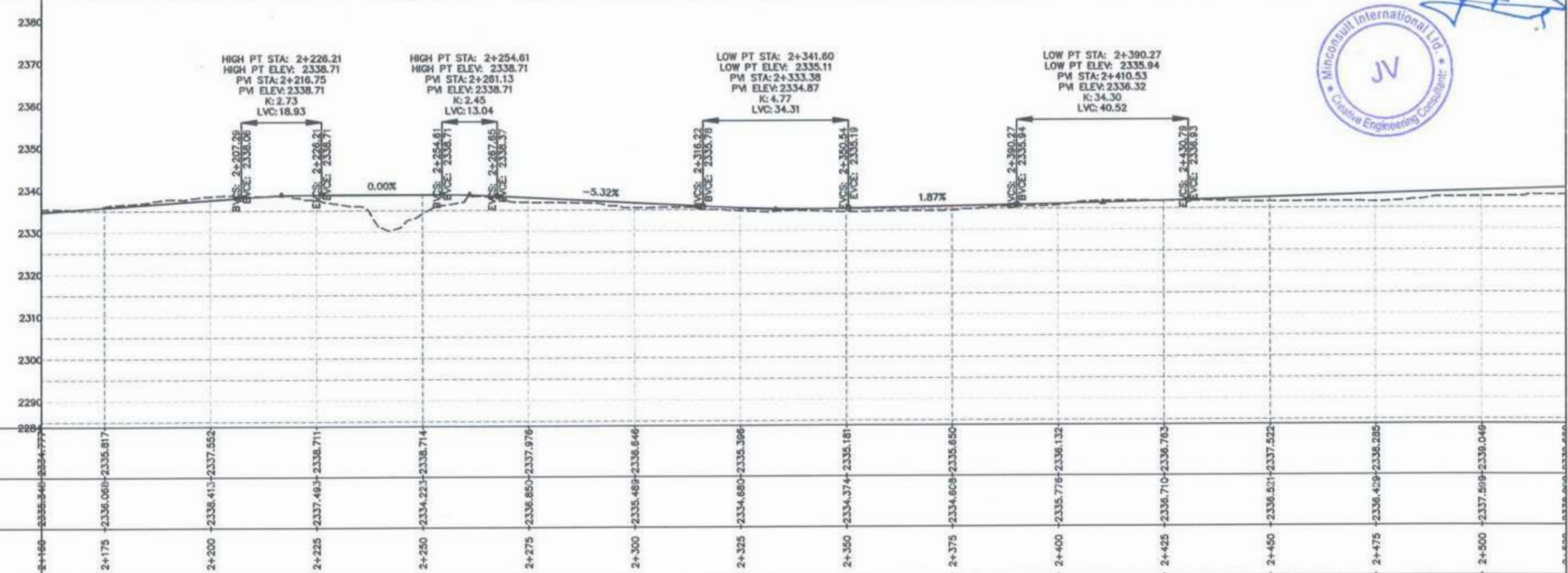
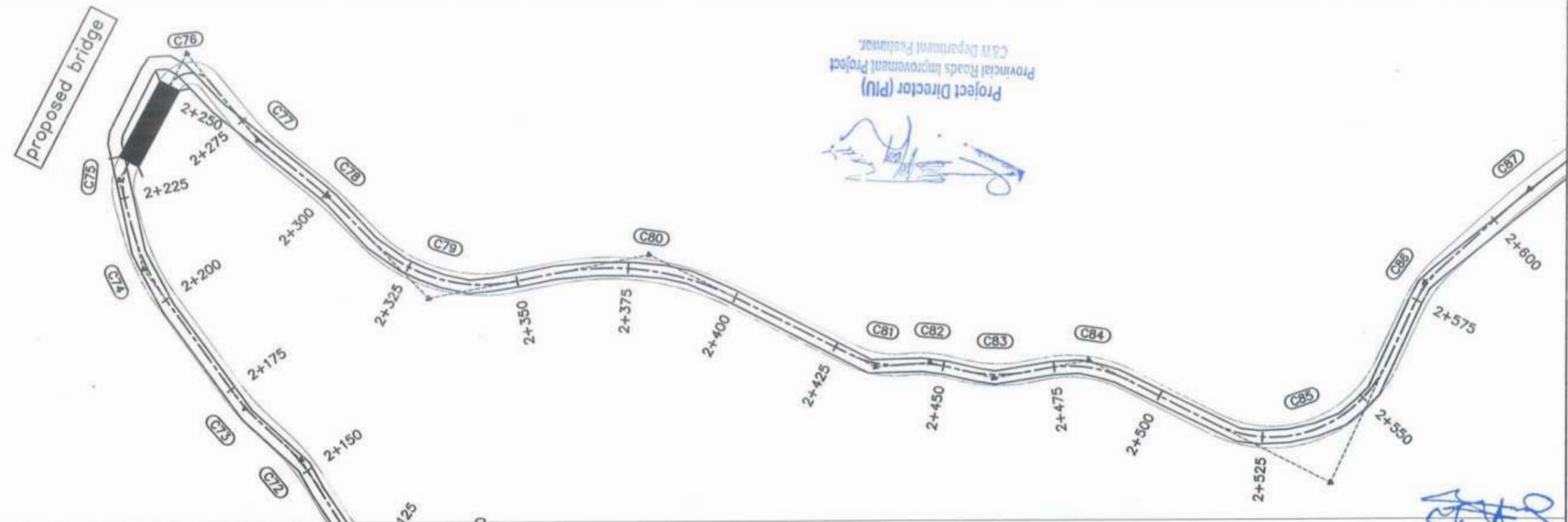
Proposed Cusway

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



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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 1+440.00 - 1+800.00 DWG NO: CEC/WR/RRDP/N-CHT-6/PP/ 5
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		b			CHECKED	S-DURRANI				
		c			APPROVED	AQEEL YOUNIS				

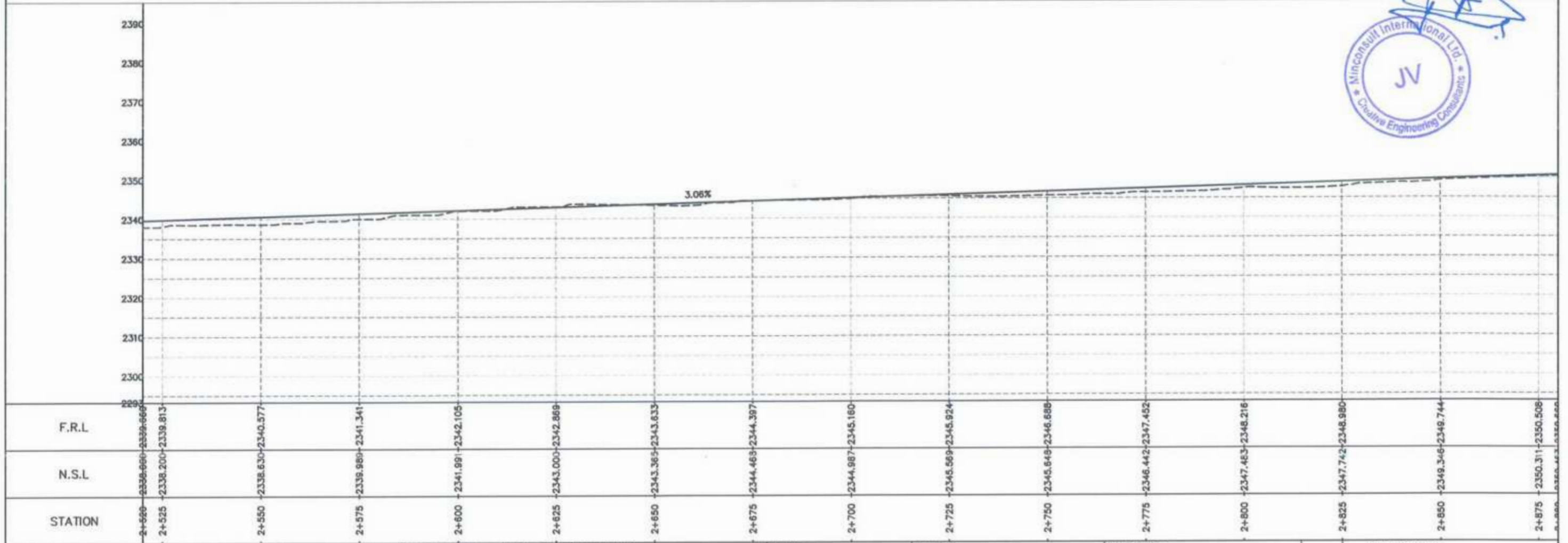
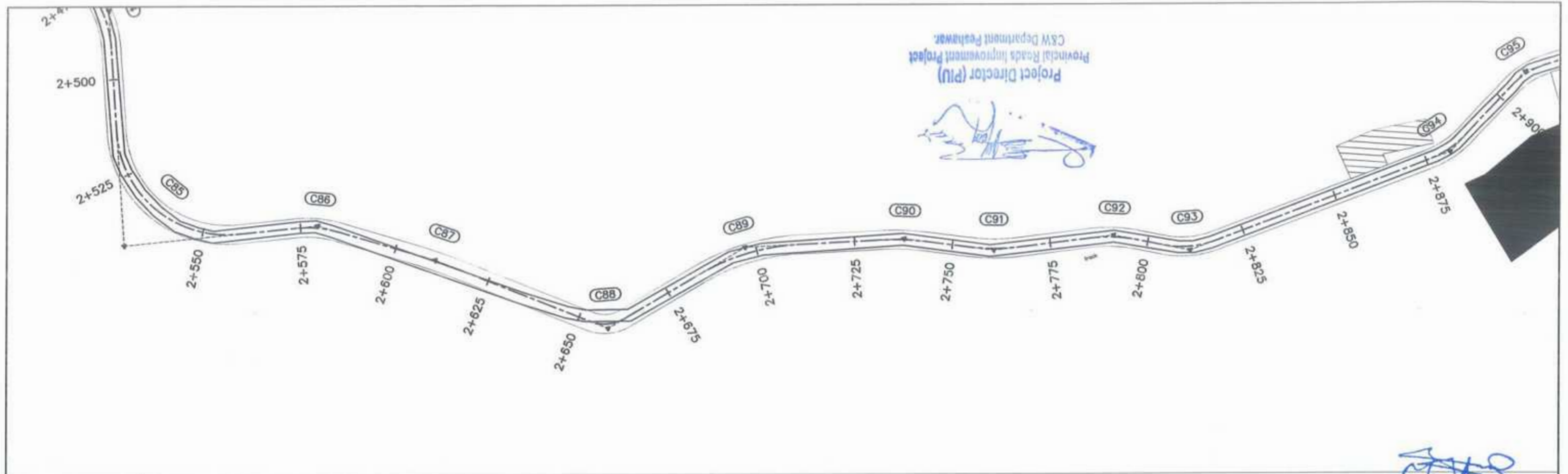
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Faisalabad



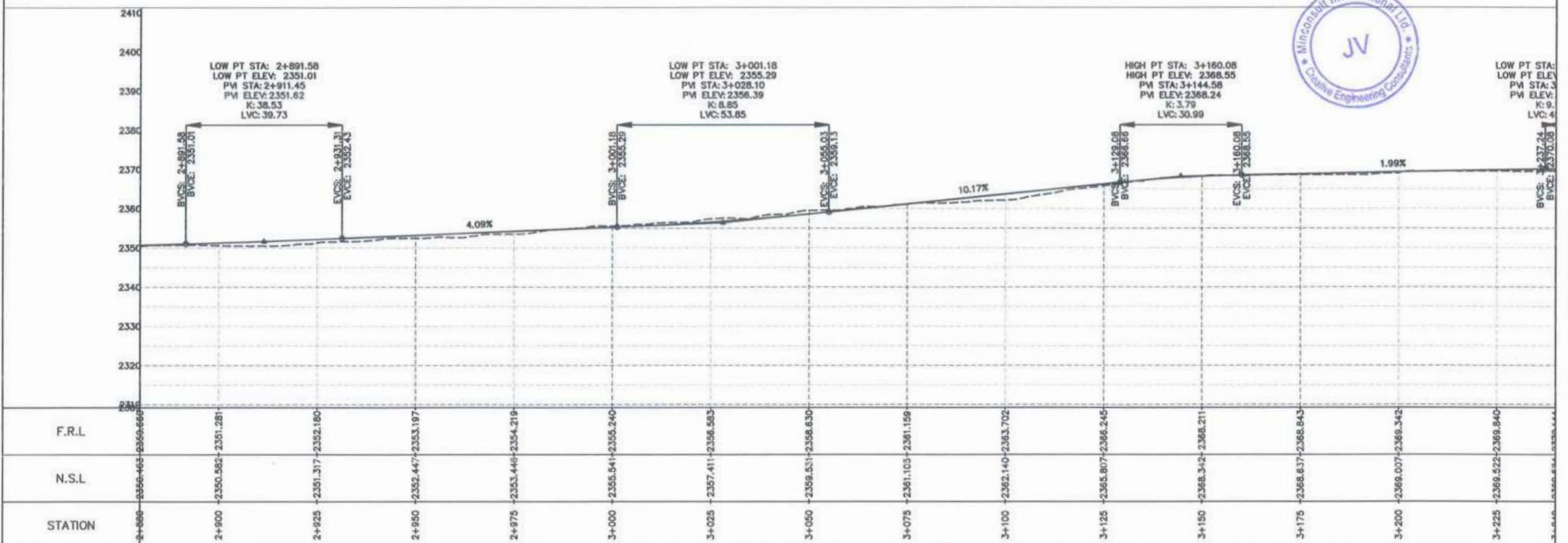
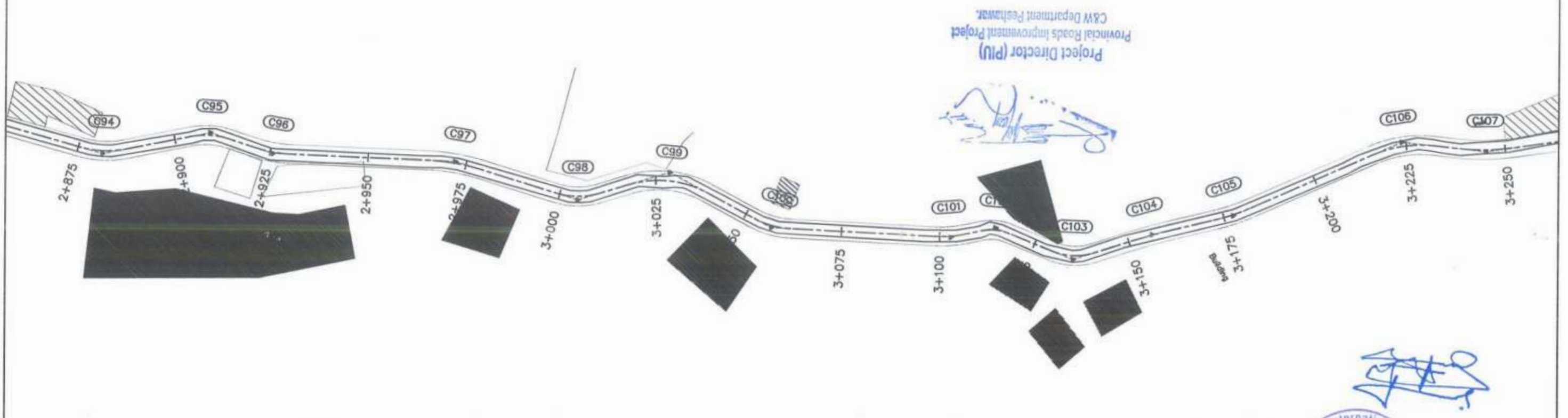
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N.S.L	2335.440	2335.817	2337.552	2338.711	2338.714	2337.976	2336.646	2335.396	2335.181	2335.650	2336.132	2336.763	2337.522	2336.285	2337.046
STATION	2+160	2+175	2+200	2+225	2+250	2+275	2+300	2+325	2+350	2+375	2+400	2+425	2+450	2+475	2+500

<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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 2+160.00 - 2+520.00		
		a			DRAWN	INAM ULLAH									Aug 2024	DWG NO: CEC/RW/RRDP/N-CHT-6/PP/1
		b			CHECKED	S-DURRANI										
c			APPROVED	AQEEL YOUNIS												

Project Director (PIU)
 CSW Department Peshawar

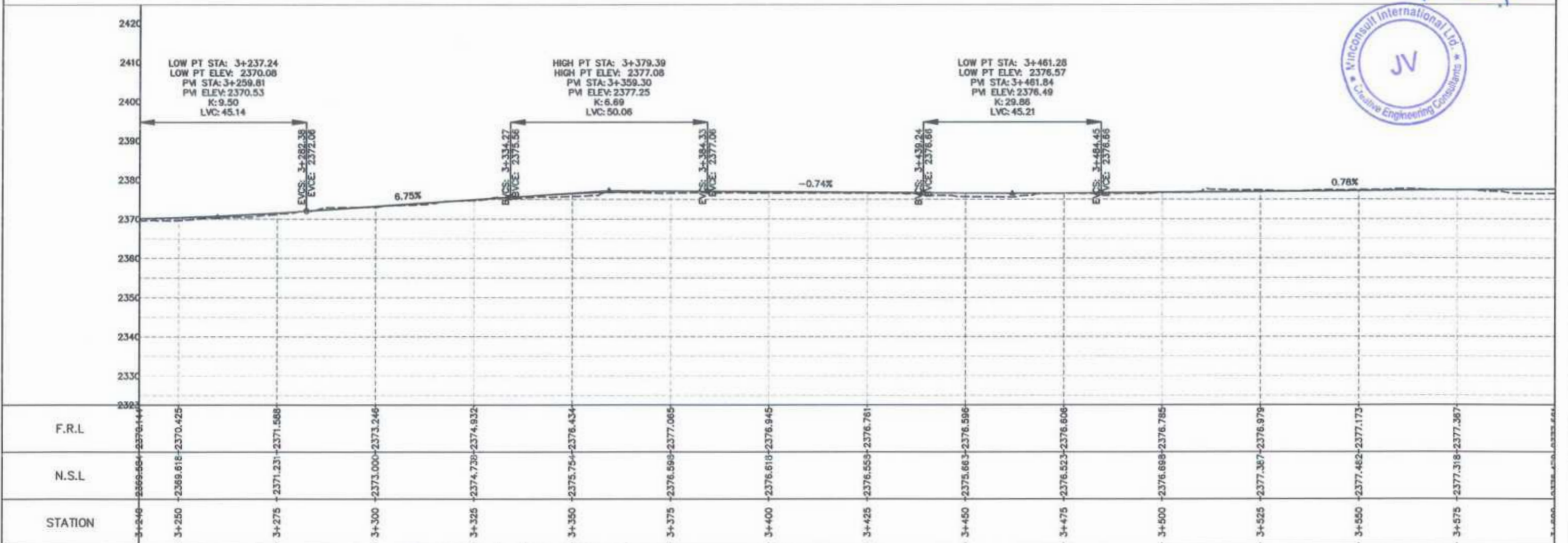
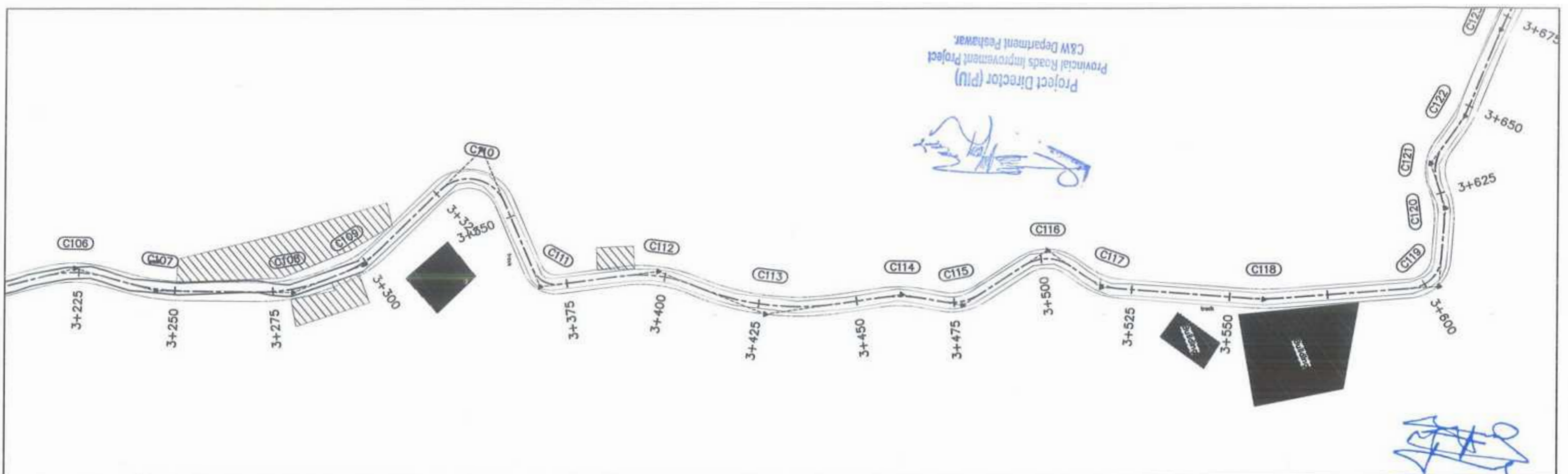


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:			
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000
		a			DRAWN	INAM ULLAH							DATE:
		b			CHECKED	S-DURRANI							Aug 2024
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 8								

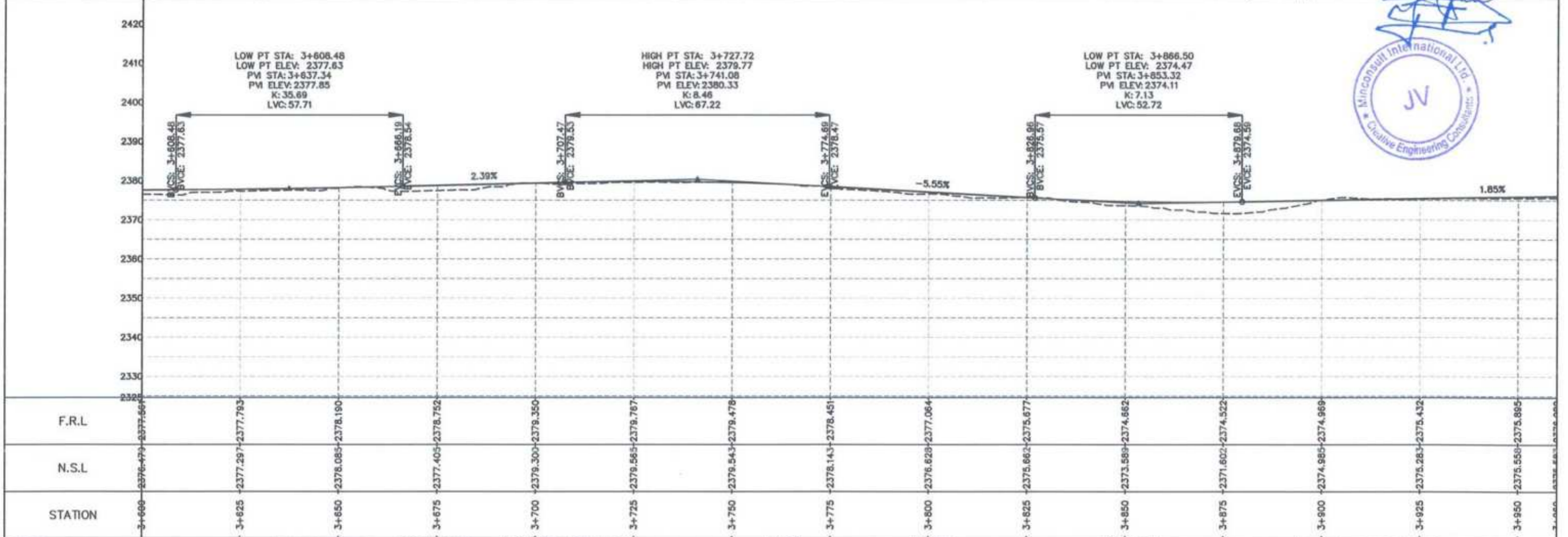
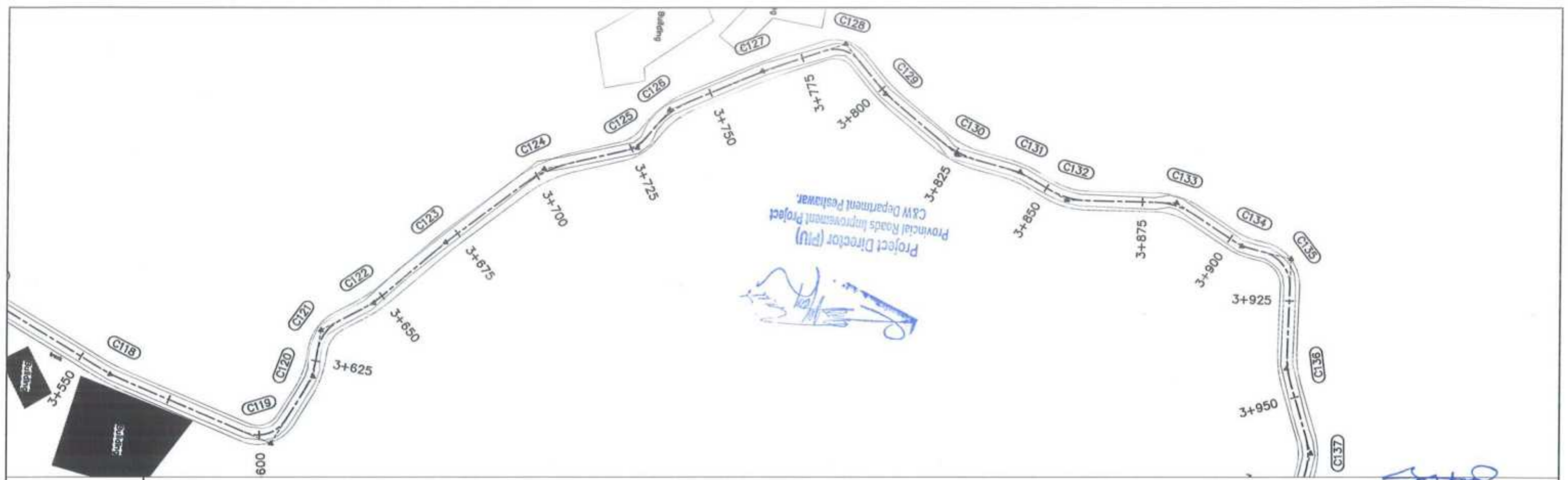


STATION	N.S.L	F.R.L
2+880	2356.463	2356.669
2+900	2350.582	2351.281
2+925	2351.317	2352.180
2+950	2352.447	2353.197
2+975	2353.446	2354.219
3+000	2355.541	2355.240
3+025	2357.411	2356.583
3+050	2359.531	2358.630
3+075	2361.103	2361.159
3+100	2362.140	2363.702
3+125	2365.807	2366.245
3+150	2368.342	2368.211
3+175	2368.637	2368.843
3+200	2369.007	2369.342
3+225	2369.522	2369.840
3+250	2370.000	2370.000

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-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 2+880.00 - 3+240.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 9
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE: Aug 2024		SHEET CONTENT:					

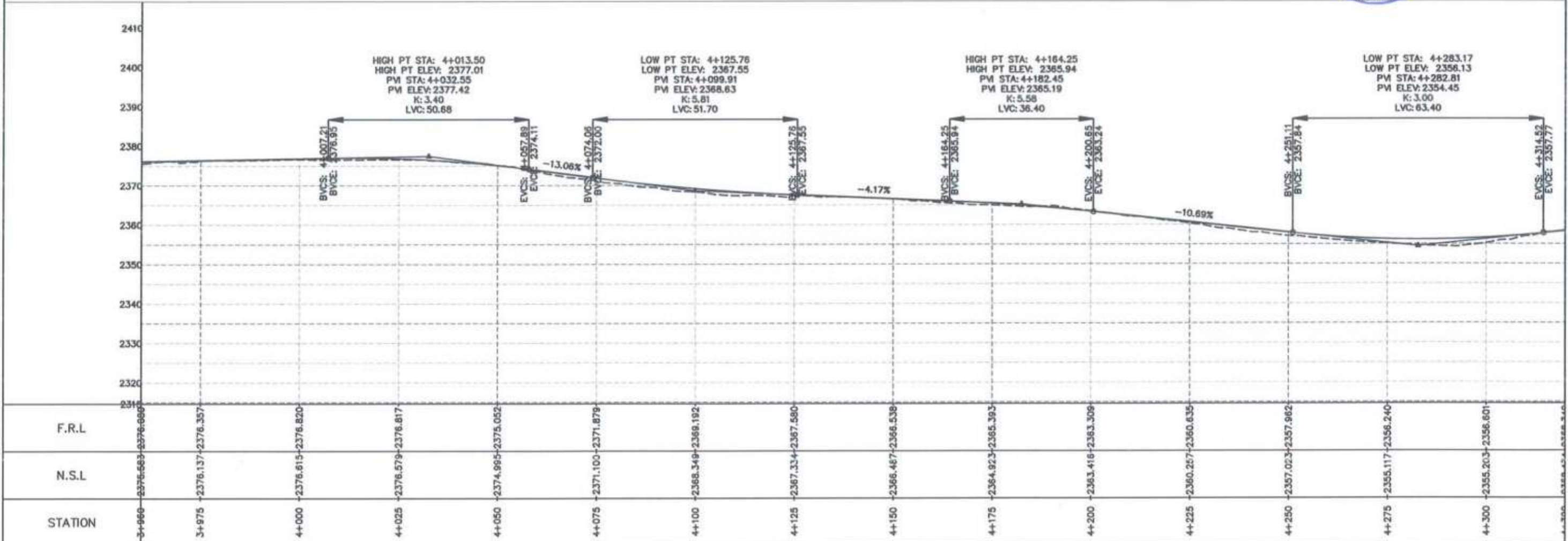
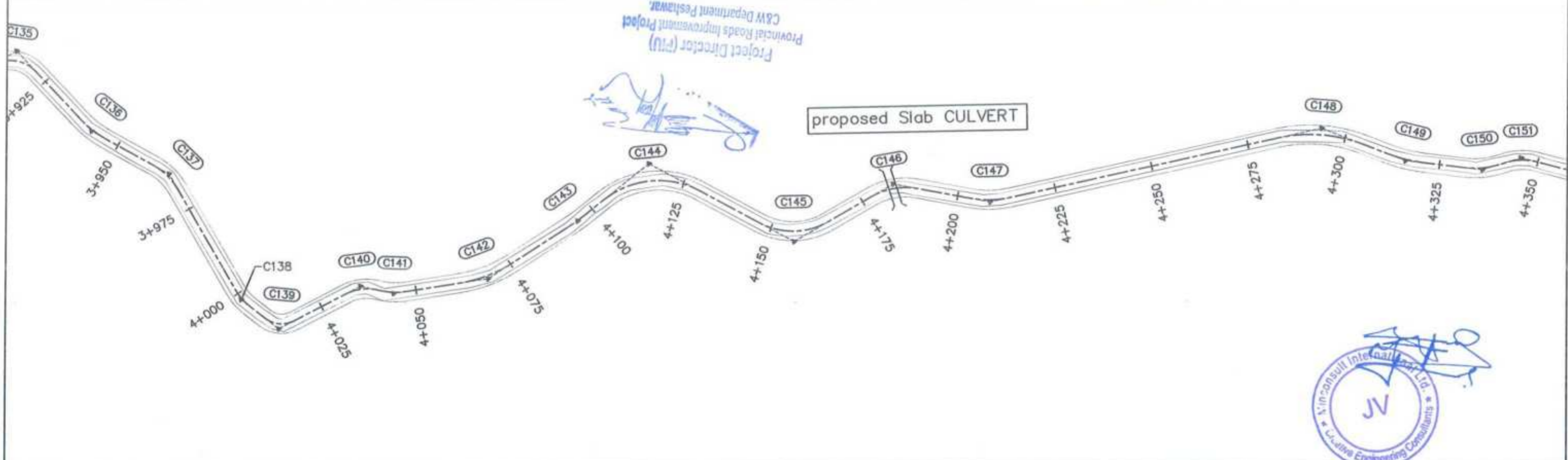


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 3+240.00 - 3+600.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 10
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AQEEL YOUNIS				



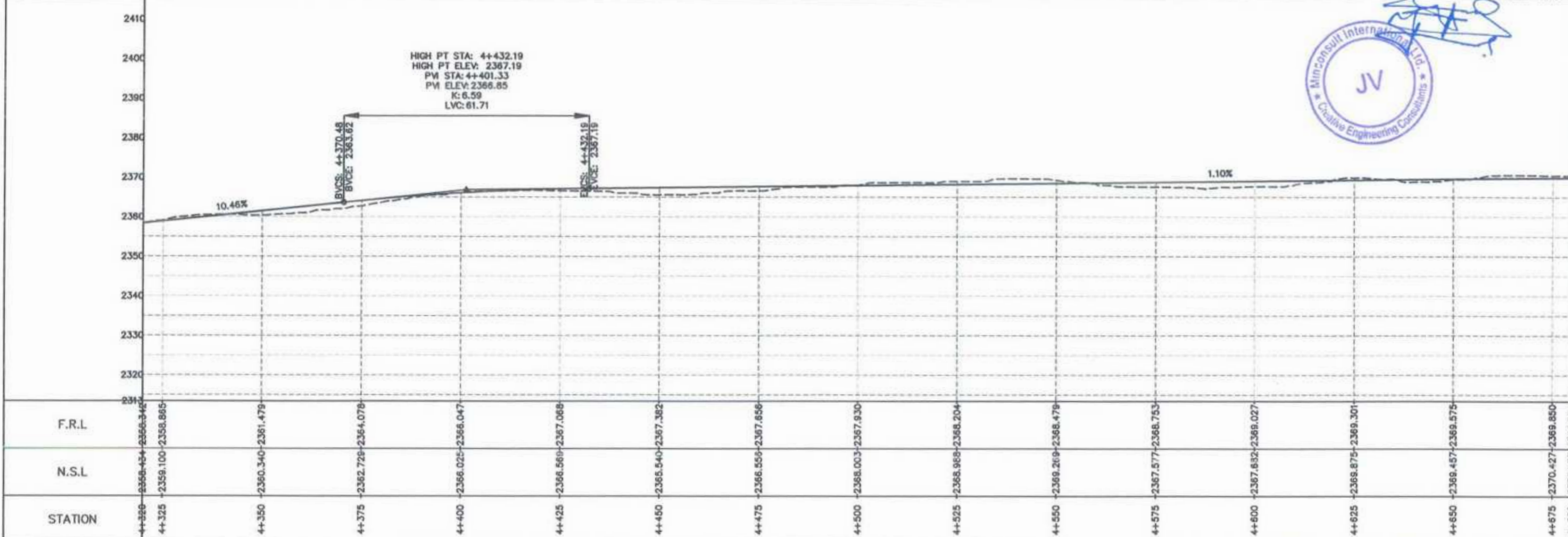
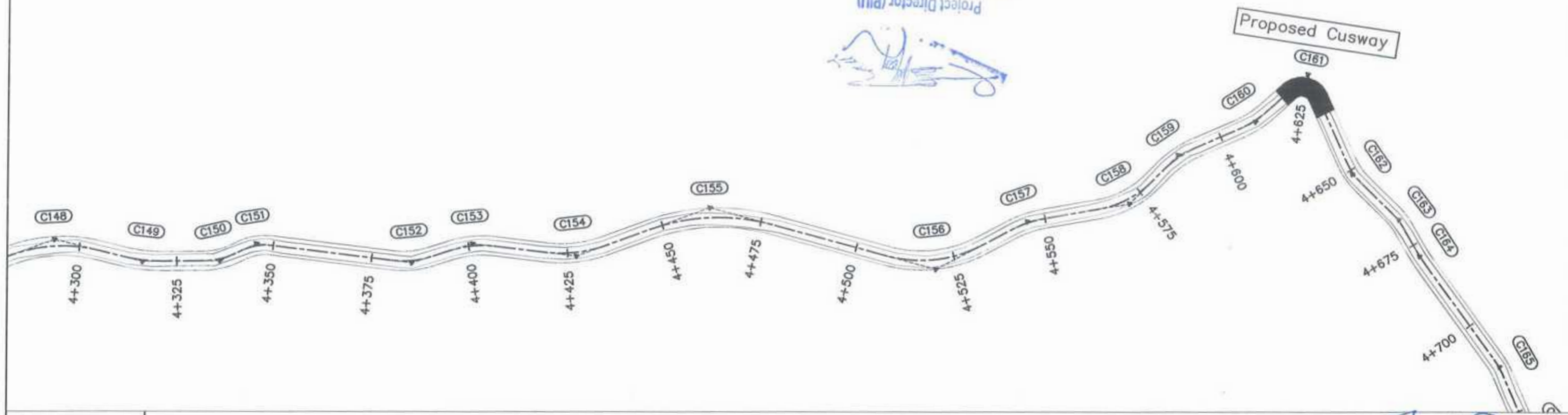
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GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 3+600.00 - 3+960.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 11
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AGEEL YOUNIS			
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:	
								Aug 2024	

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

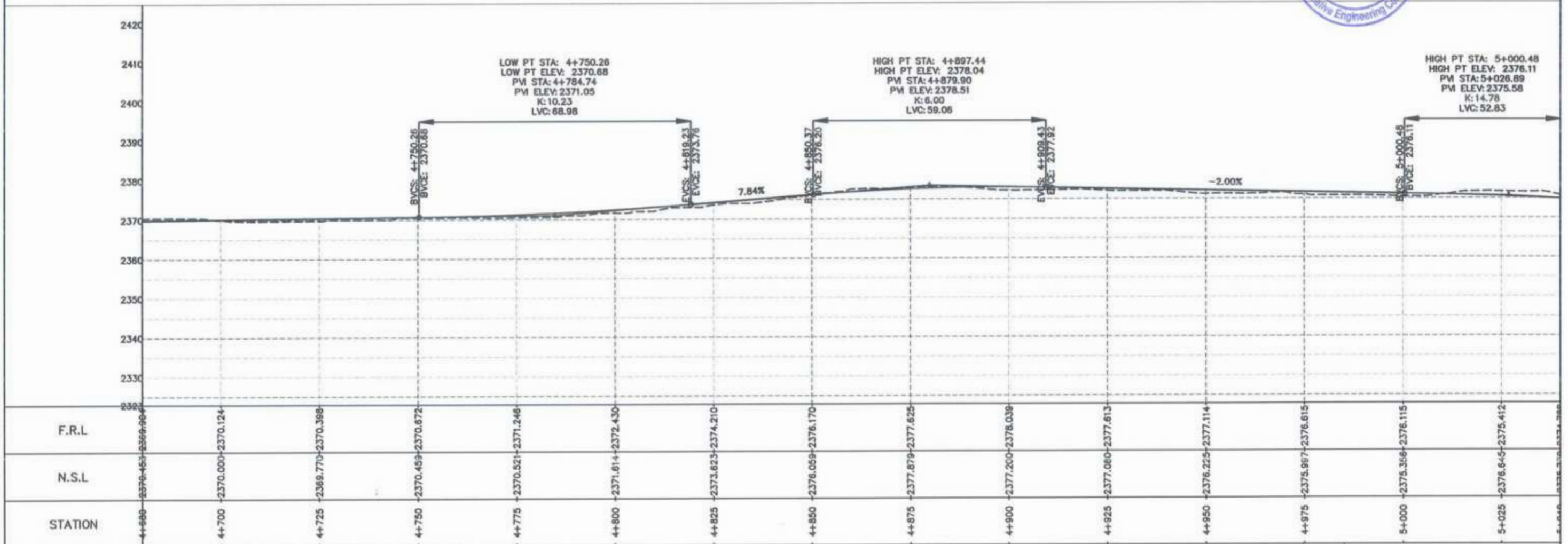
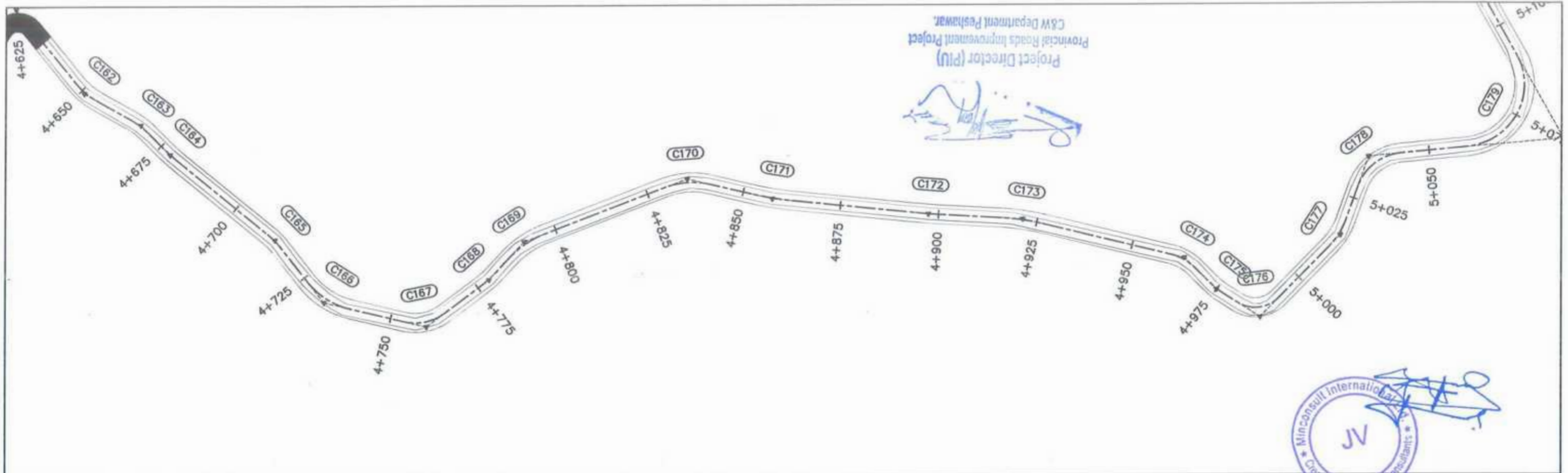


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	SCALE:	SHEET CONTENT: PLAN & PROFILE 3+960.00 - 4+320.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 12
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT			H=1:1000	
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AQEEL YOUNIS				

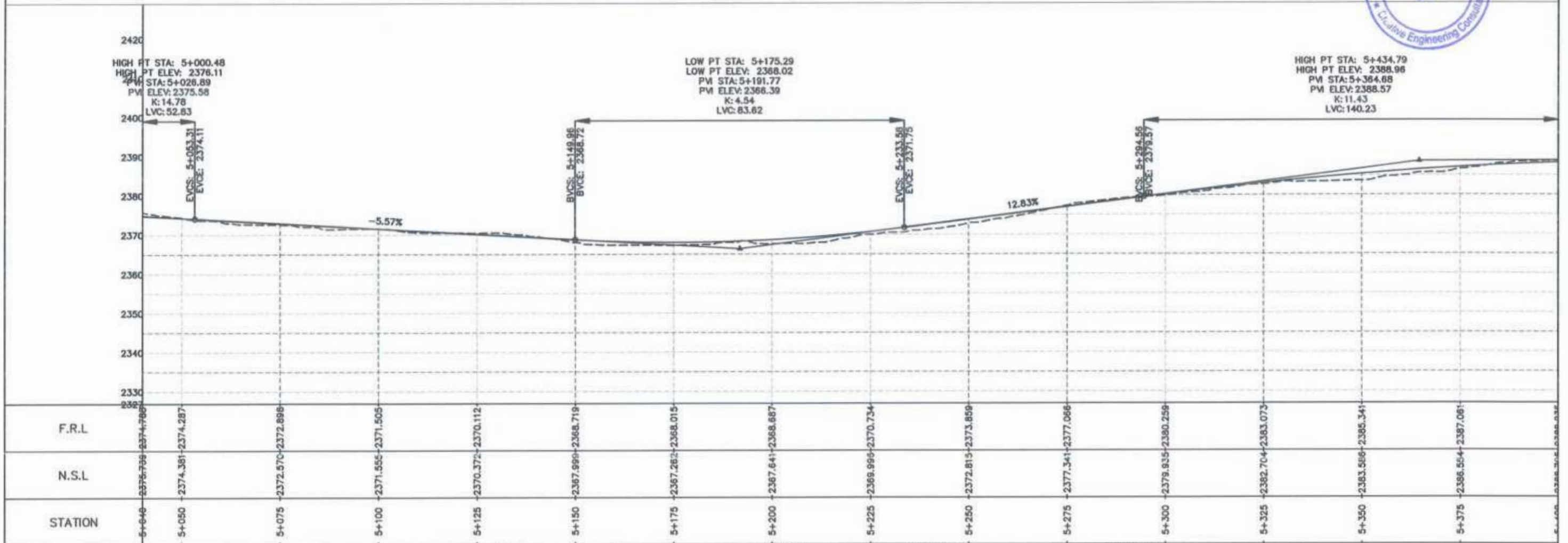
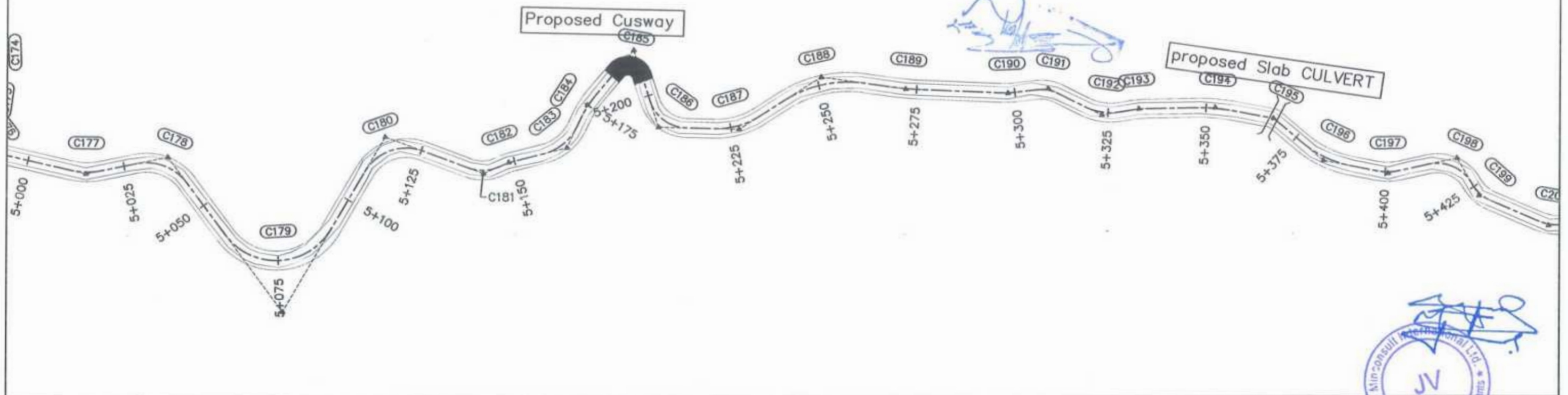
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 59835-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	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000
		a			DRAWN	INAM ULLAH						DATE:
		b			CHECKED	S-DURRANI						Aug 2024
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/							



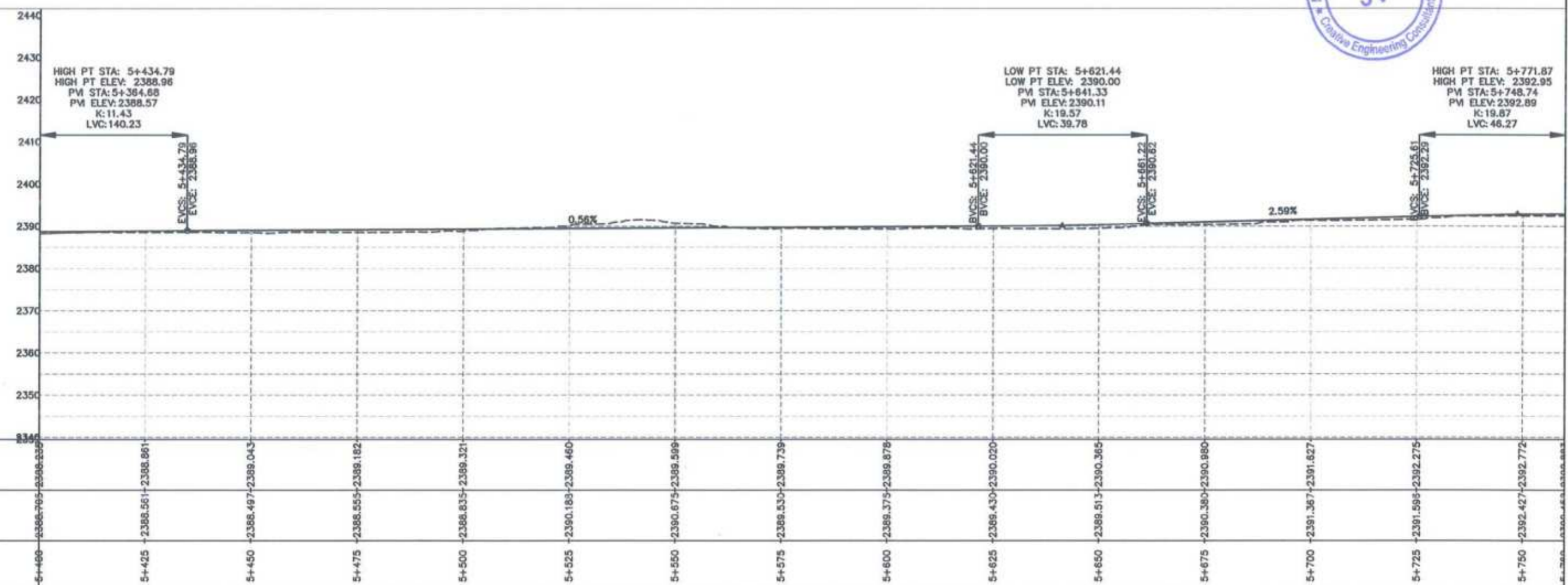
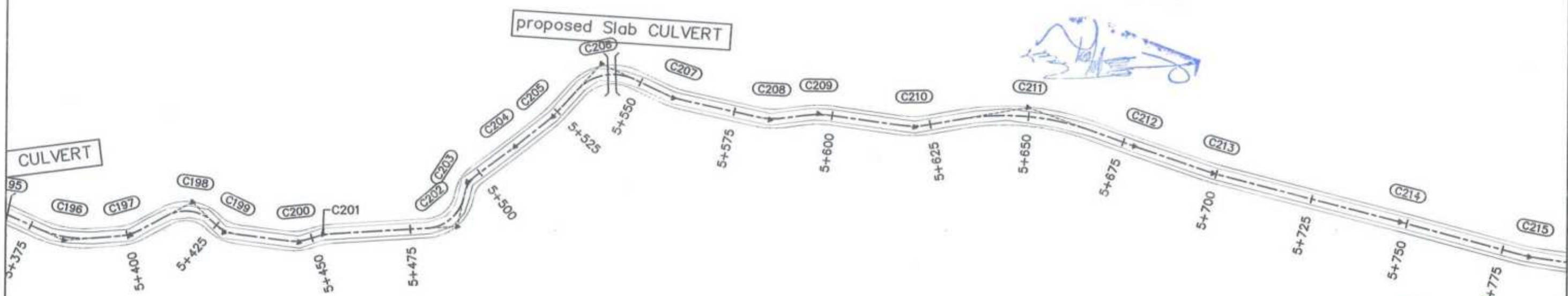
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	SCALE:	SHEET CONTENT: PLAN & PROFILE 4+680.00 - 5+040.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 14	
		0	Aug 2024.	Tender Drawings.	G.DESIGNED			REHMAT		H=1:1000
		a			DRAWN			INAM ULLAH		DATE:
		b			CHECKED			S-DURRANI		Aug 2024.
		c			APPROVED			AQEEL YOUNIS		



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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 5+040.00 - 5+400.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/
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		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						

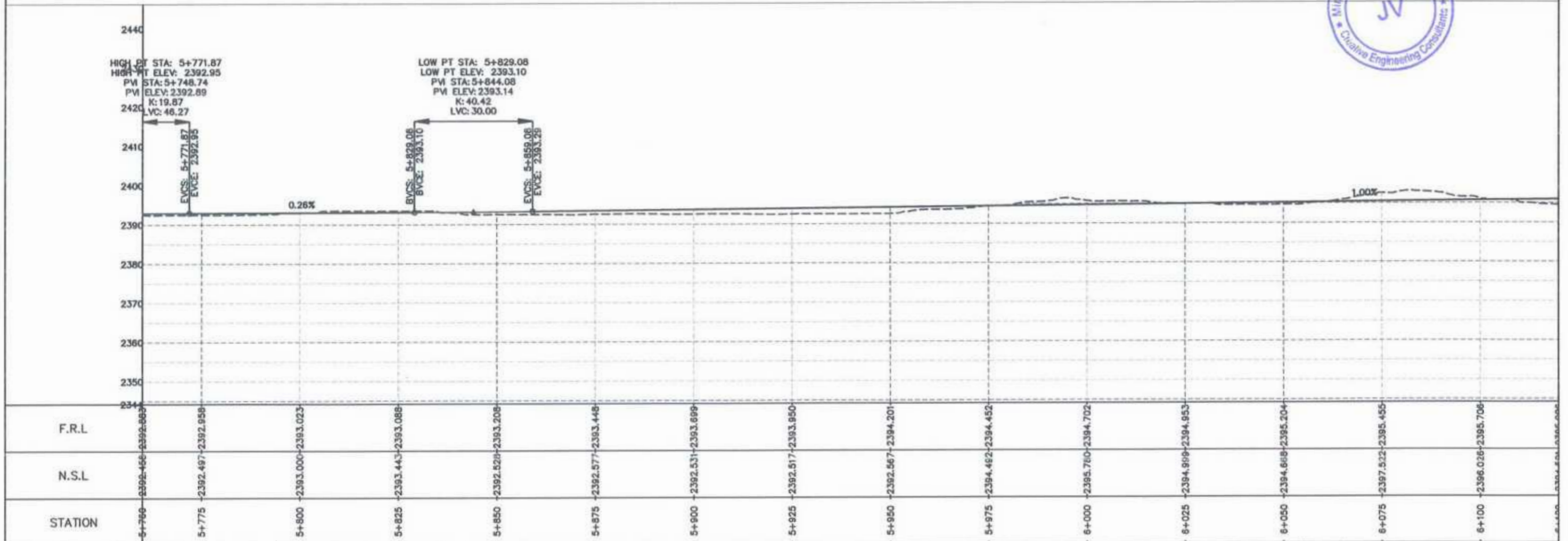
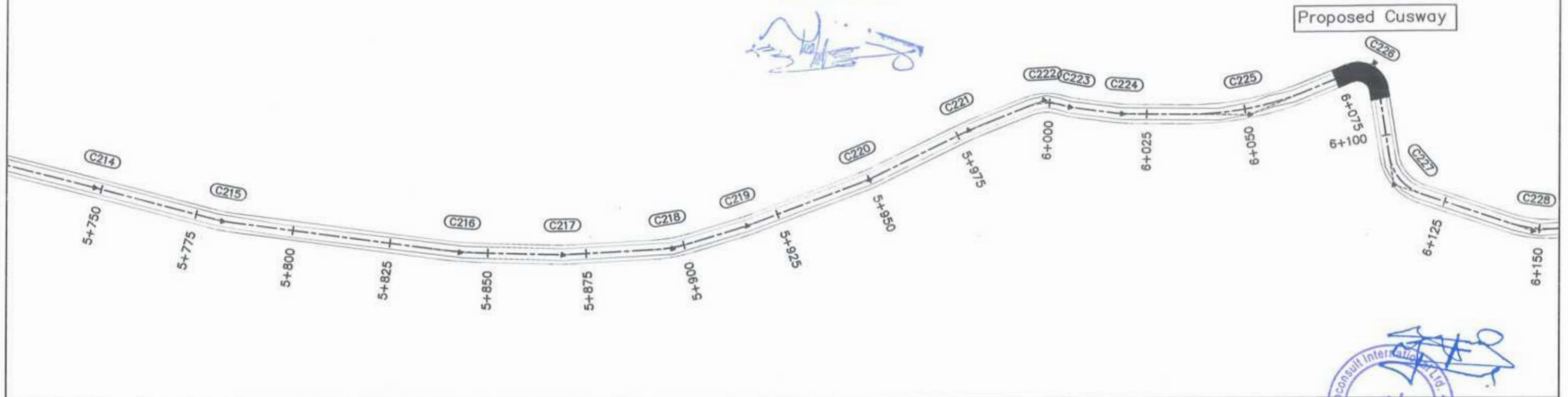
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

proposed Slab CULVERT



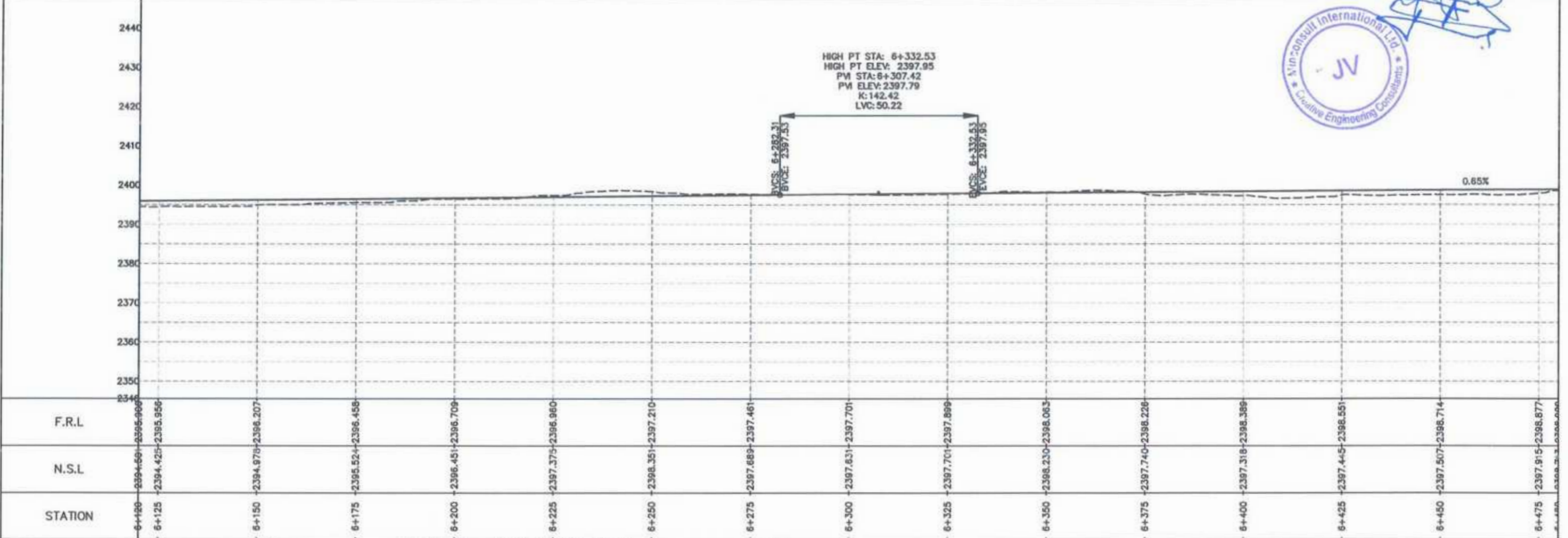
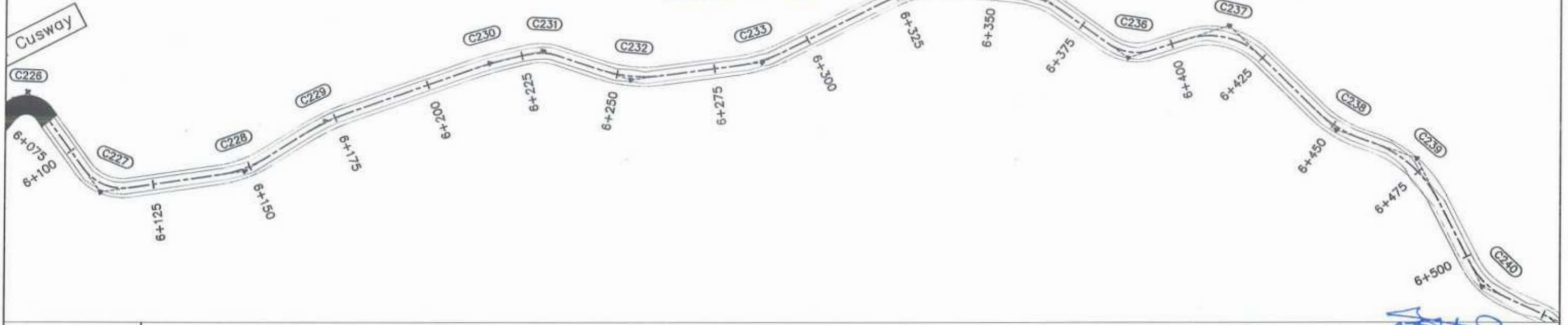
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5+400	2388.795	2398.259
5+425	2388.561	2388.861
5+450	2388.497	2389.043
5+475	2388.555	2389.182
5+500	2388.835	2389.321
5+525	2390.189	2389.460
5+550	2390.675	2389.599
5+575	2389.530	2389.739
5+600	2389.375	2389.878
5+625	2389.430	2390.020
5+650	2389.513	2390.365
5+675	2390.380	2390.980
5+700	2391.367	2391.627
5+725	2391.596	2392.275
5+750	2392.427	2392.772

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 5+400.00 - 5+760.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 16
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		b			CHECKED	S-DURRANI				
		c			APPROVED	AQEEL YOUNIS				

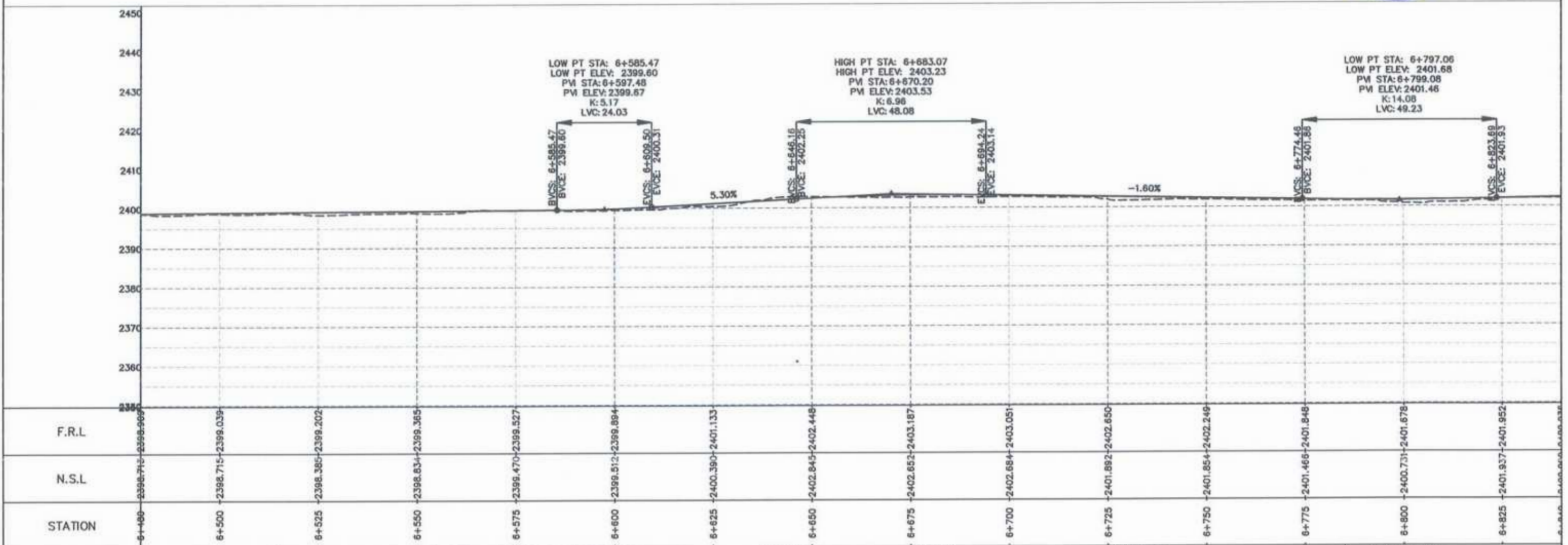
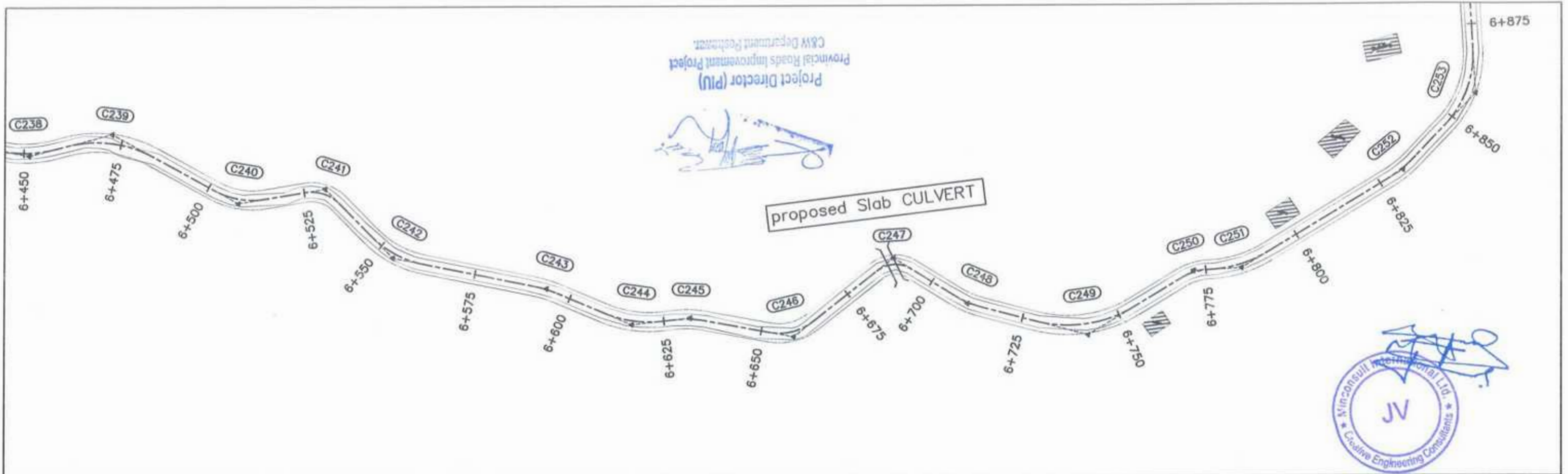


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 5+760.00 - 6+120.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 17
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										

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

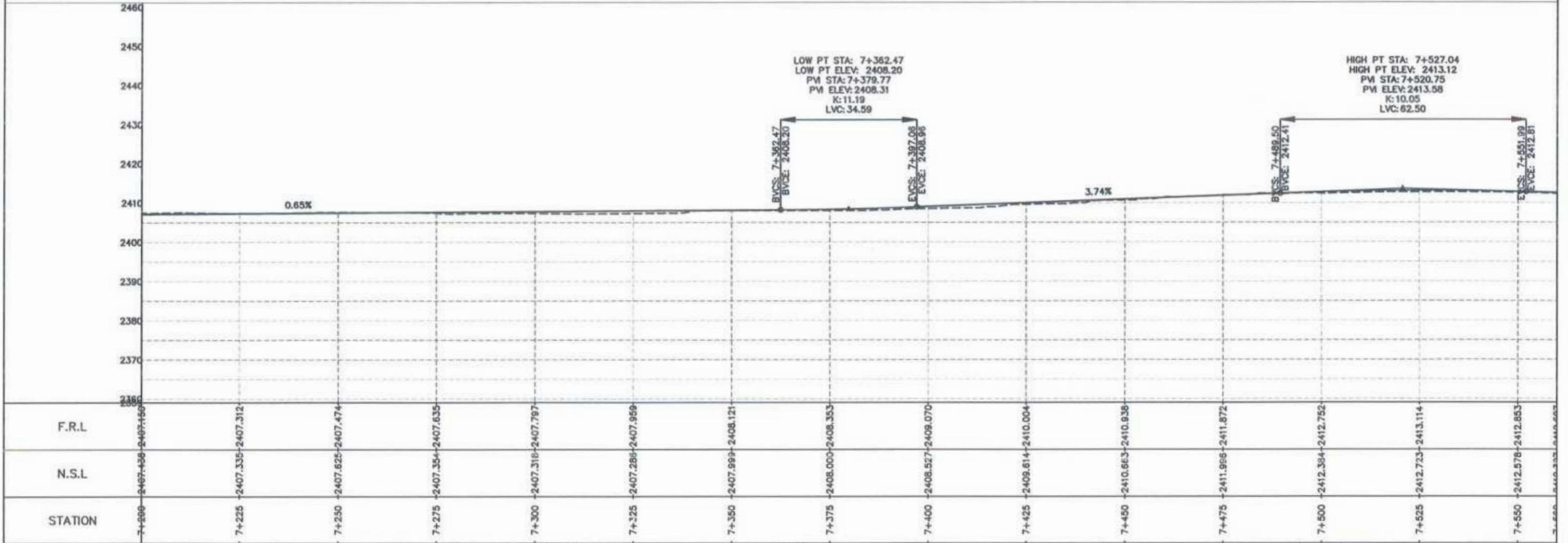
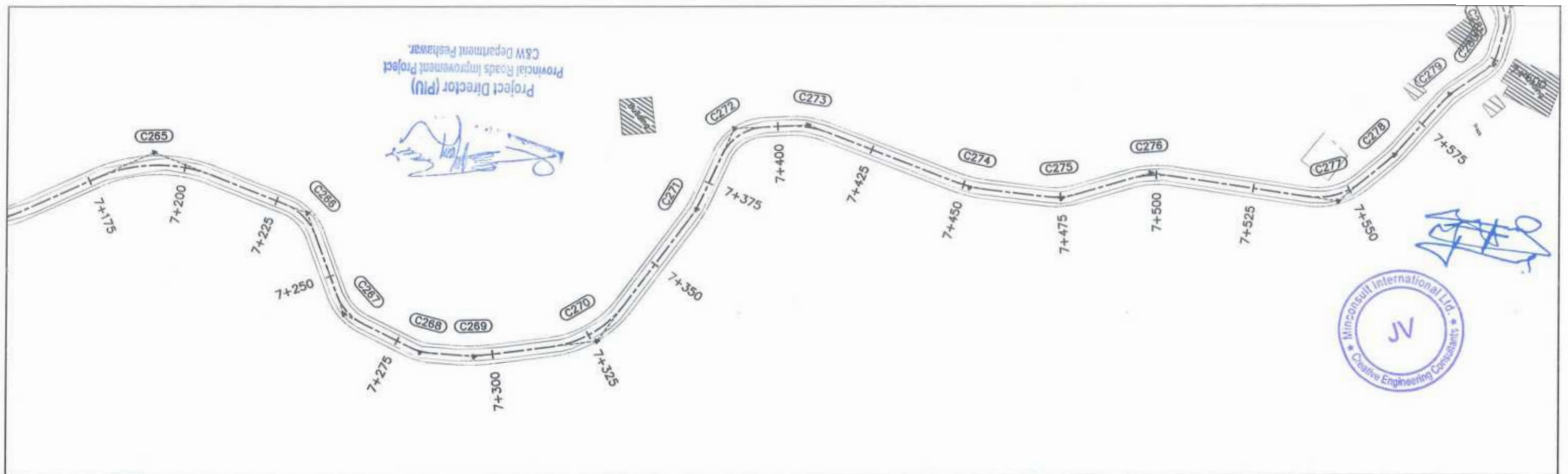


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58825-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H:1:1000	PLAN & PROFILE 6+120.00 - 6+480.00
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AQEEL YOUNIS			DWG NO: CEC/HW/RRDP/N-CHT-6/PP/	
					18					



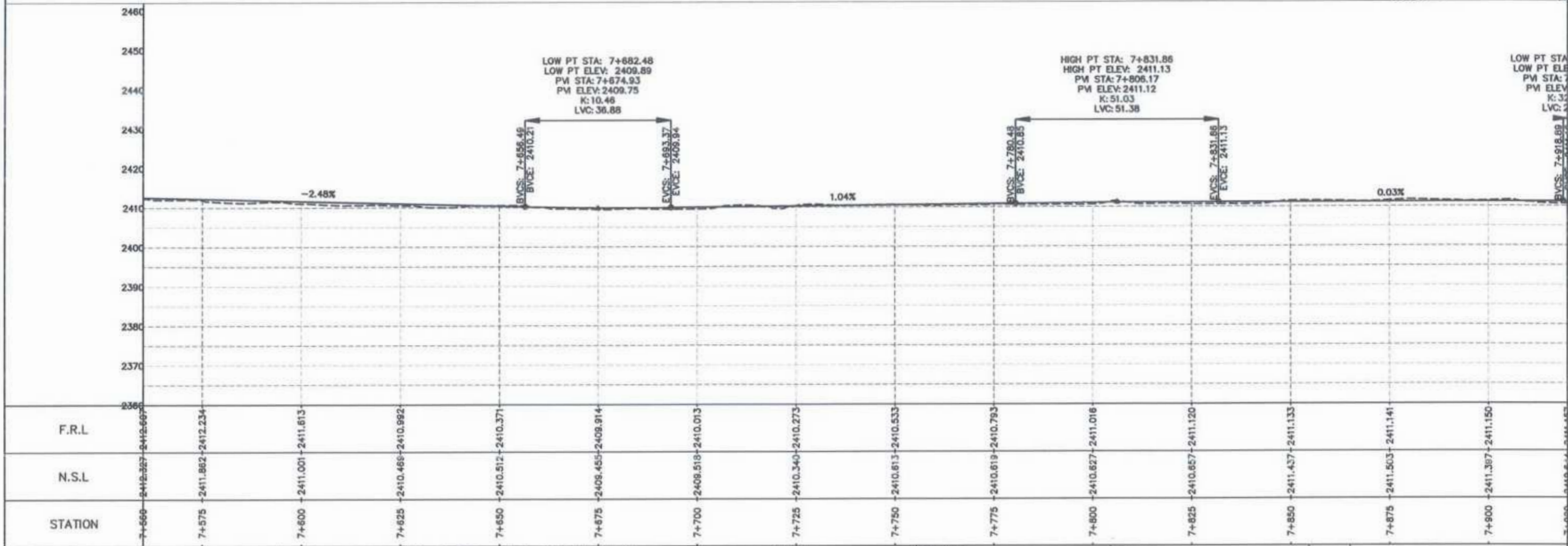
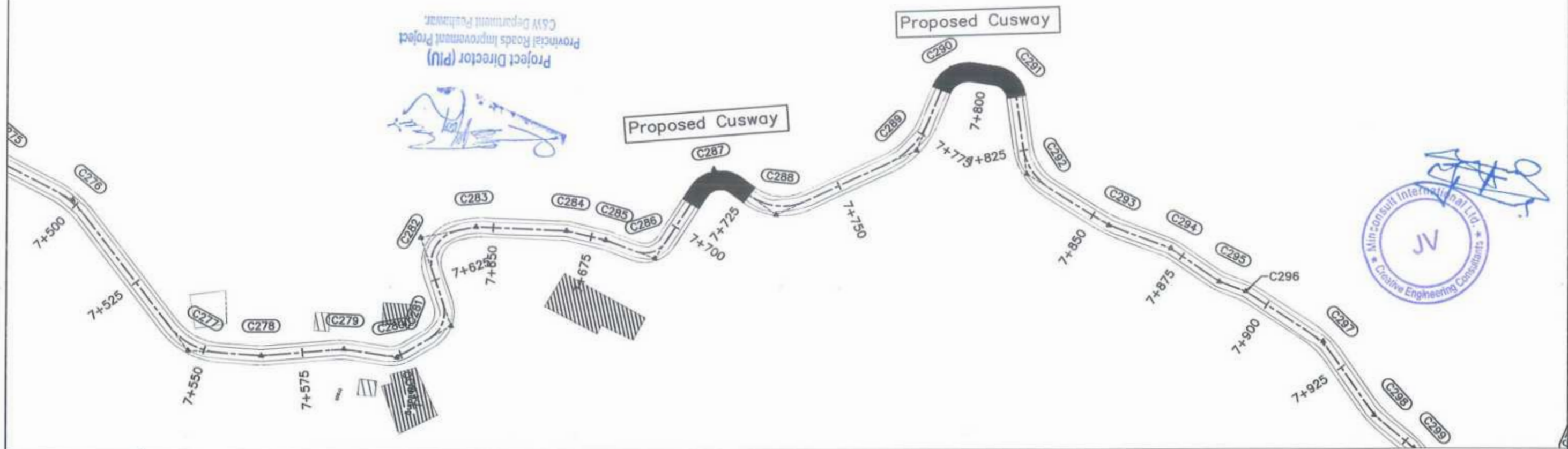
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 6+480.00 - 6+840.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 19
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						
		DATE					DATE:			
							Aug 2024			

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



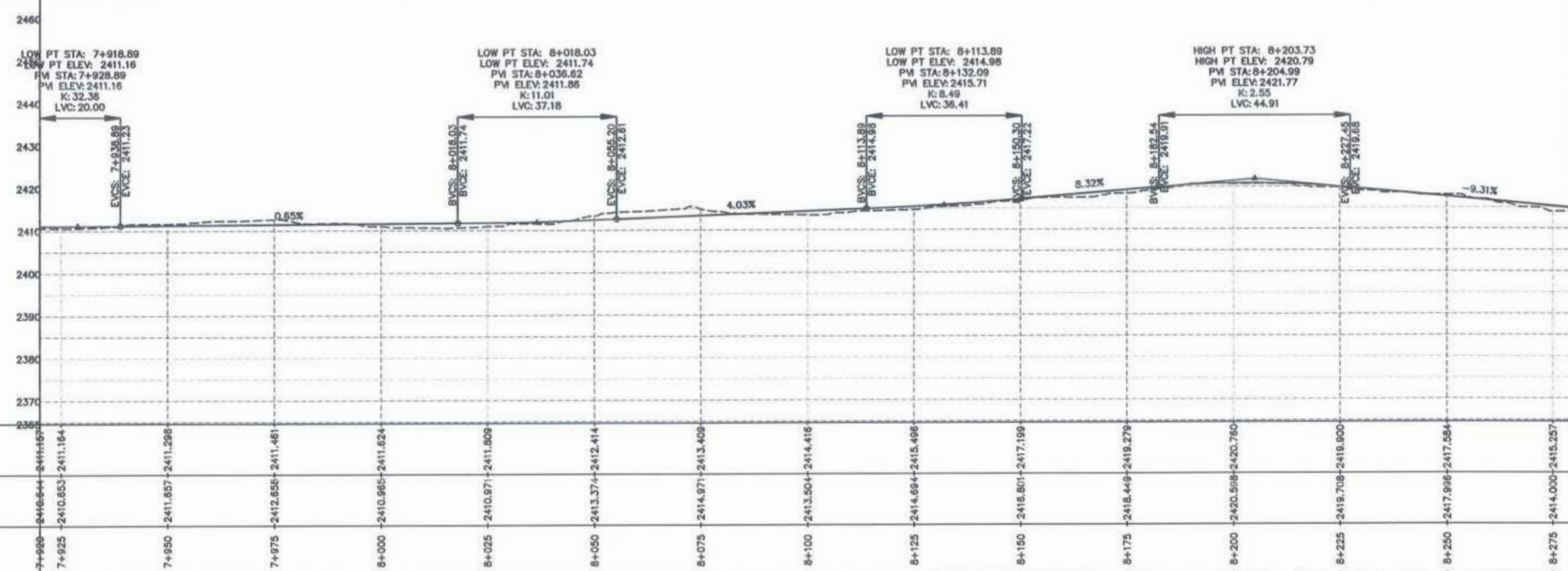
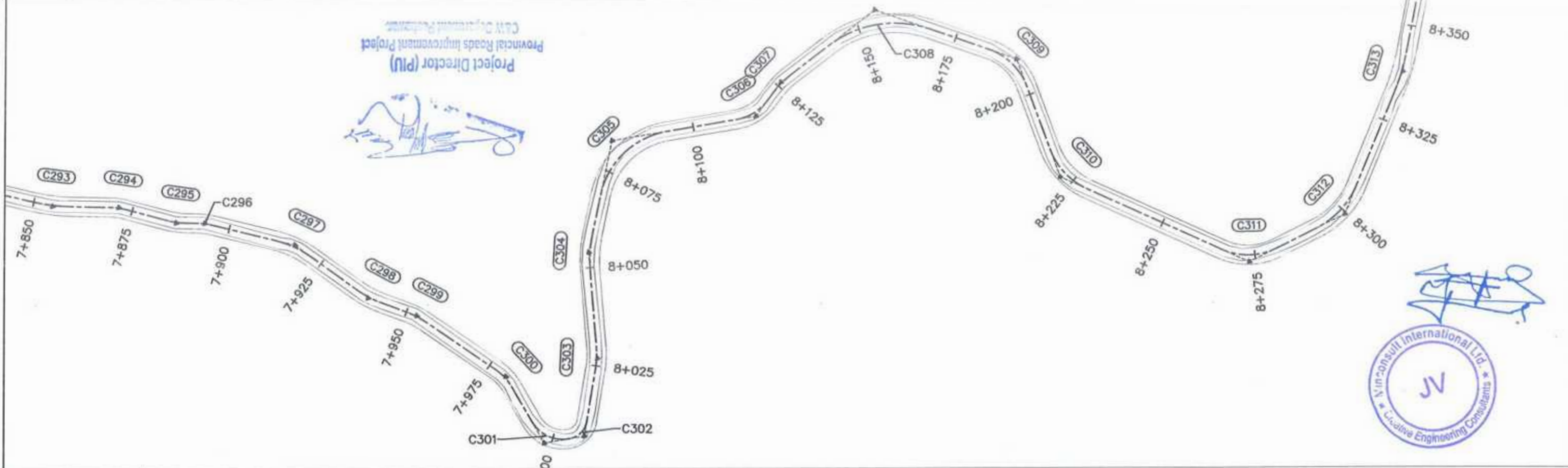
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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	<p>N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED</p>	<p>H=1:1000 DATE: Aug 2024</p>	<p>PLAN & PROFILE 7+200.00 - 7+560.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 21</p>
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
<p>PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>									

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



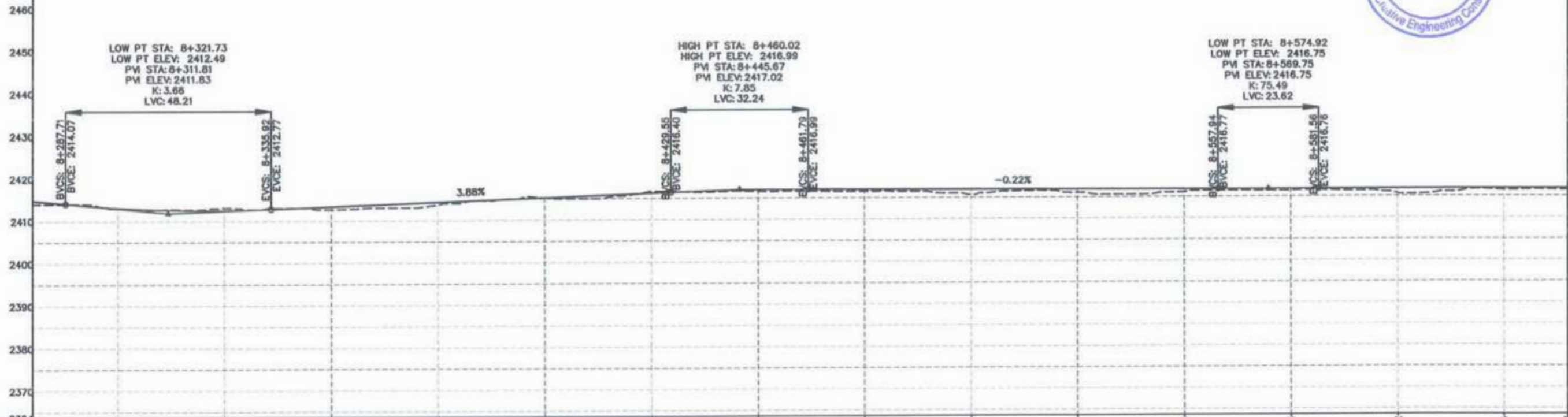
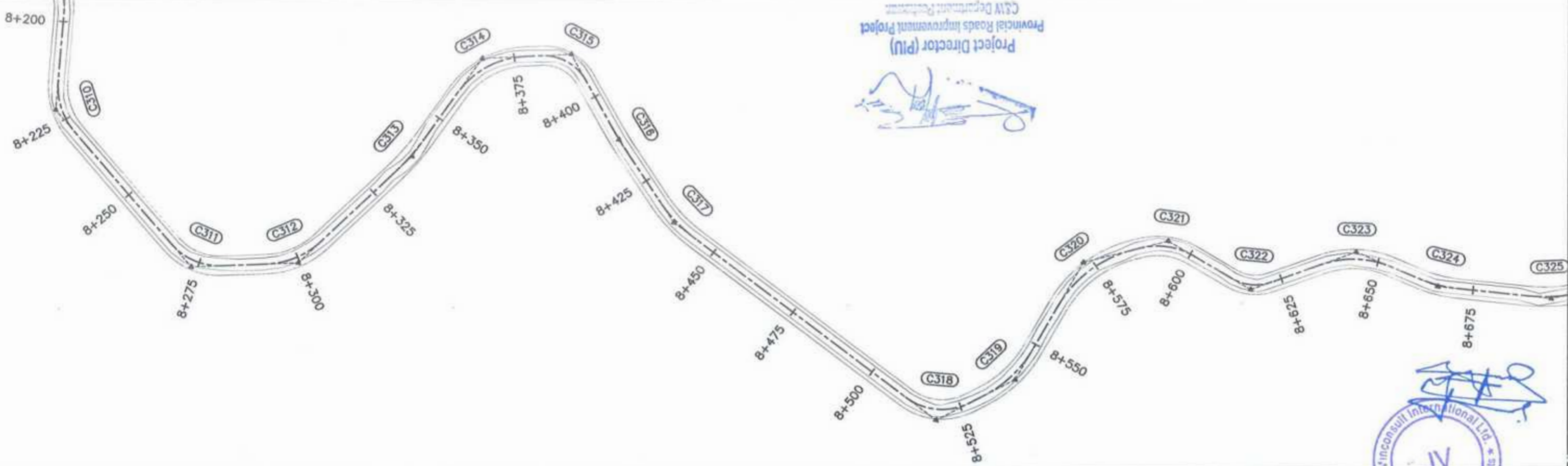
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58435-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024.	PLAN & PROFILE 7+560.00 - 7+920.00 DWG NO: CEC/HWRDP/N-CHT-6/PP/ 22
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										

Project Director (PIU)
 Provincial Roads Improvement Project
 City Department, Rawalpindi



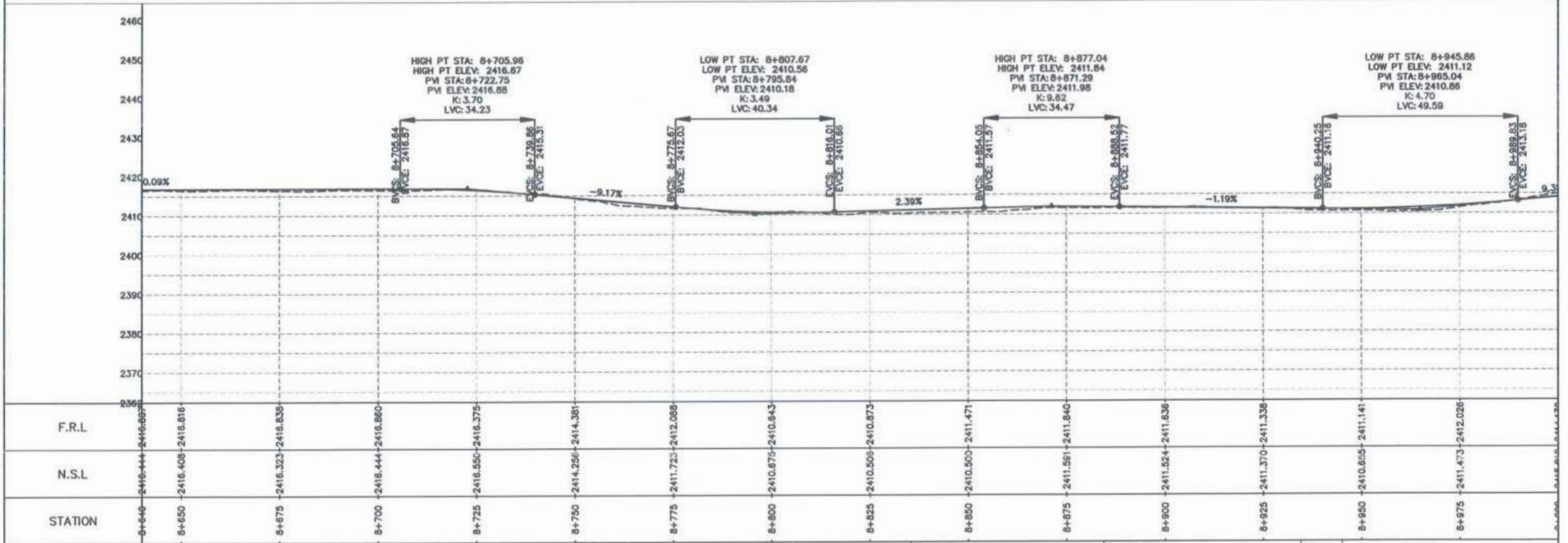
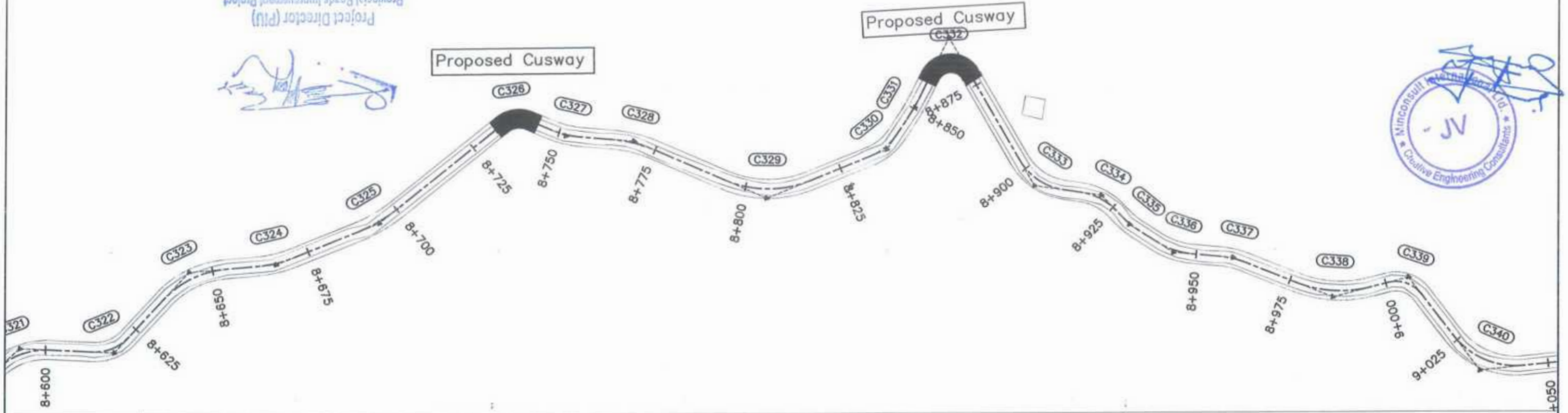
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7+950	2411.657	2411.298
7+975	2412.656	2411.461
8+000	2410.965	2411.624
8+025	2410.971	2411.809
8+050	2413.374	2412.414
8+075	2414.971	2413.409
8+100	2413.504	2414.416
8+125	2414.694	2415.486
8+150	2416.801	2417.199
8+175	2418.449	2419.279
8+200	2420.568	2420.760
8+225	2419.708	2419.900
8+250	2417.996	2417.584
8+275	2414.000	2415.257

<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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 7+920.00 - 8+280.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
										DATE:	DWG NO: CEC/HWRRDP/N-CHT-6/PP/			
										Aug 2024	23			

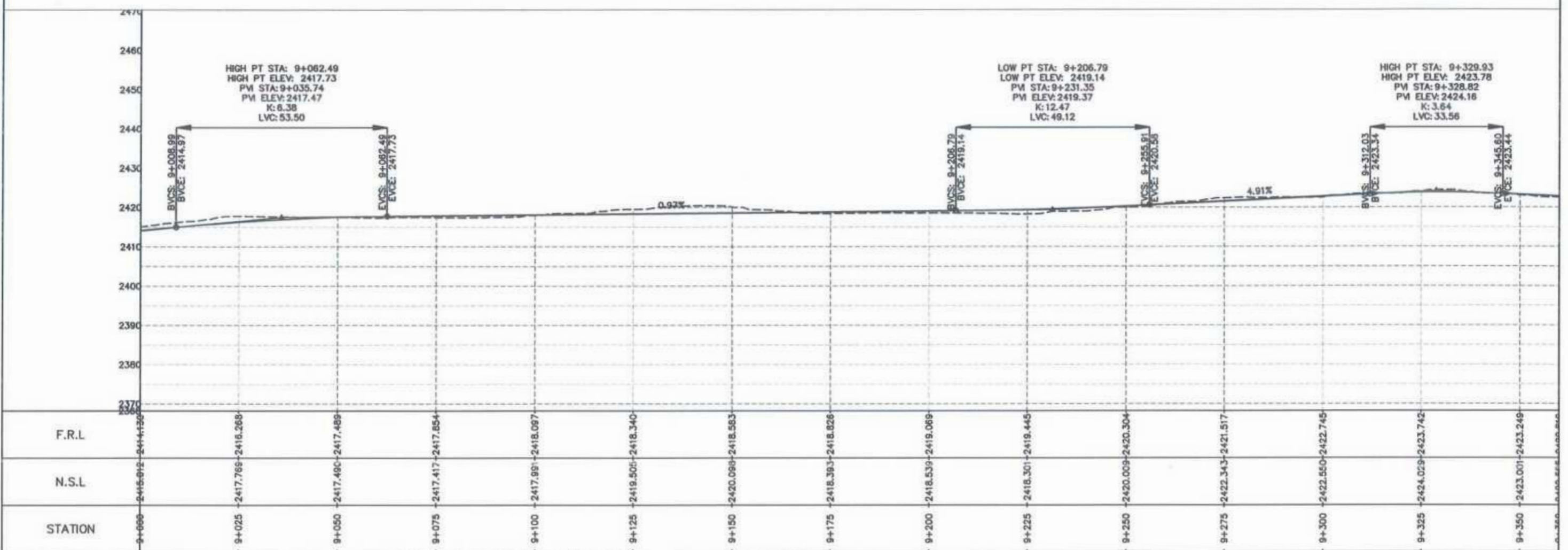
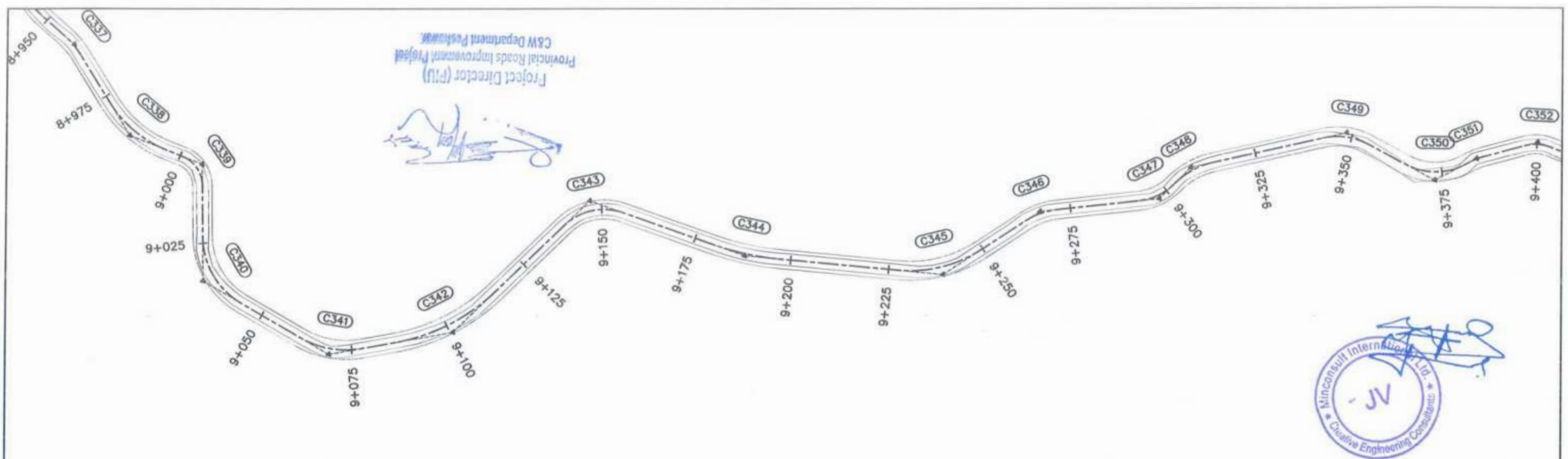


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N.S.L	2414.996	2413.000	2413.093	2412.596	2413.643	2415.206	2416.839	2416.571	2416.481	2415.663	2416.000	2416.029	2416.360	2415.562	2416.376	2416.603
STATION	8+290	8+300	8+325	8+350	8+375	8+400	8+425	8+450	8+475	8+500	8+525	8+550	8+575	8+600	8+625	8+640

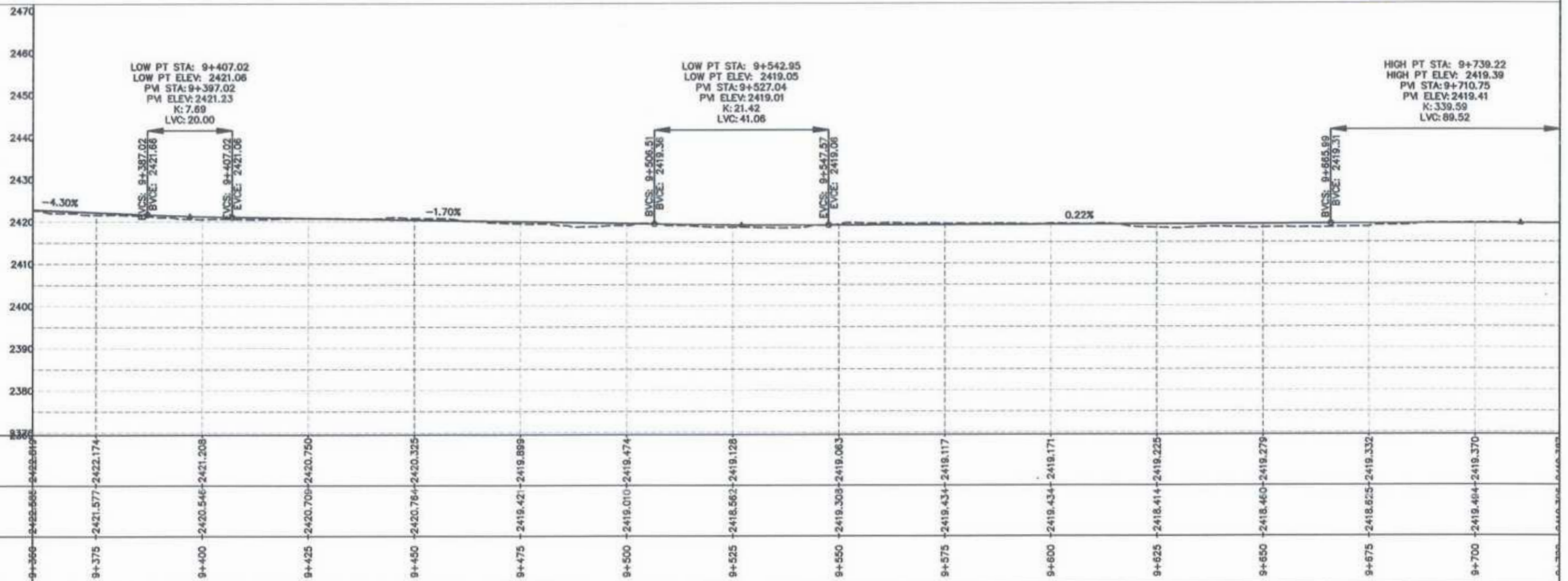
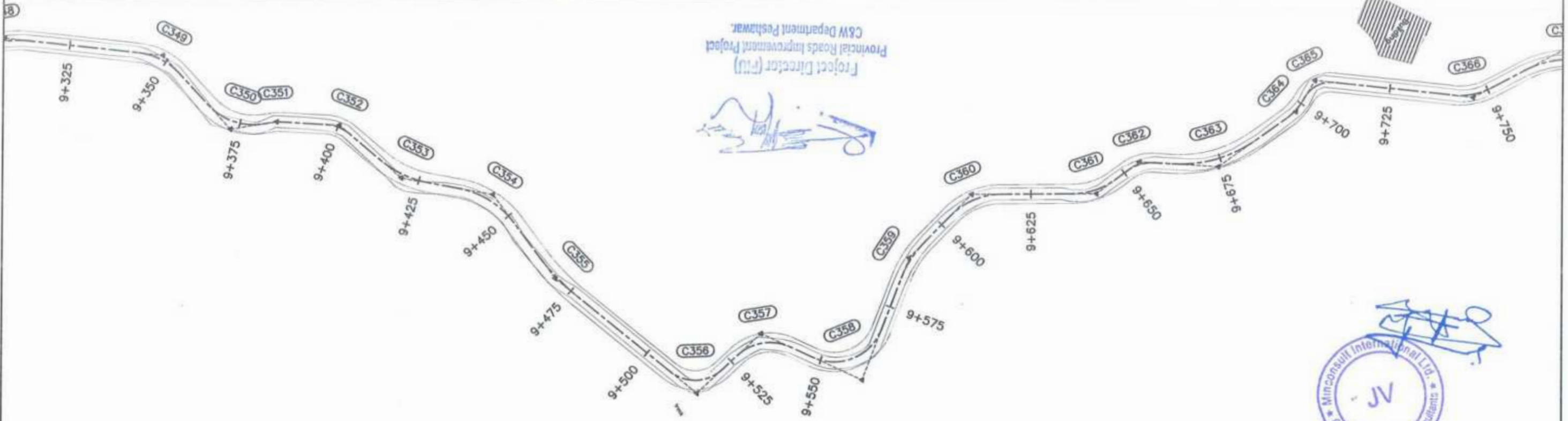
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:						
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 8+280.00 - 8+640.00		
		a			DRAWN	INAM ULLAH									Aug 2024	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 24
		b			CHECKED	S-DURRANI										
c			APPROVED	AQEEL YOUNIS												



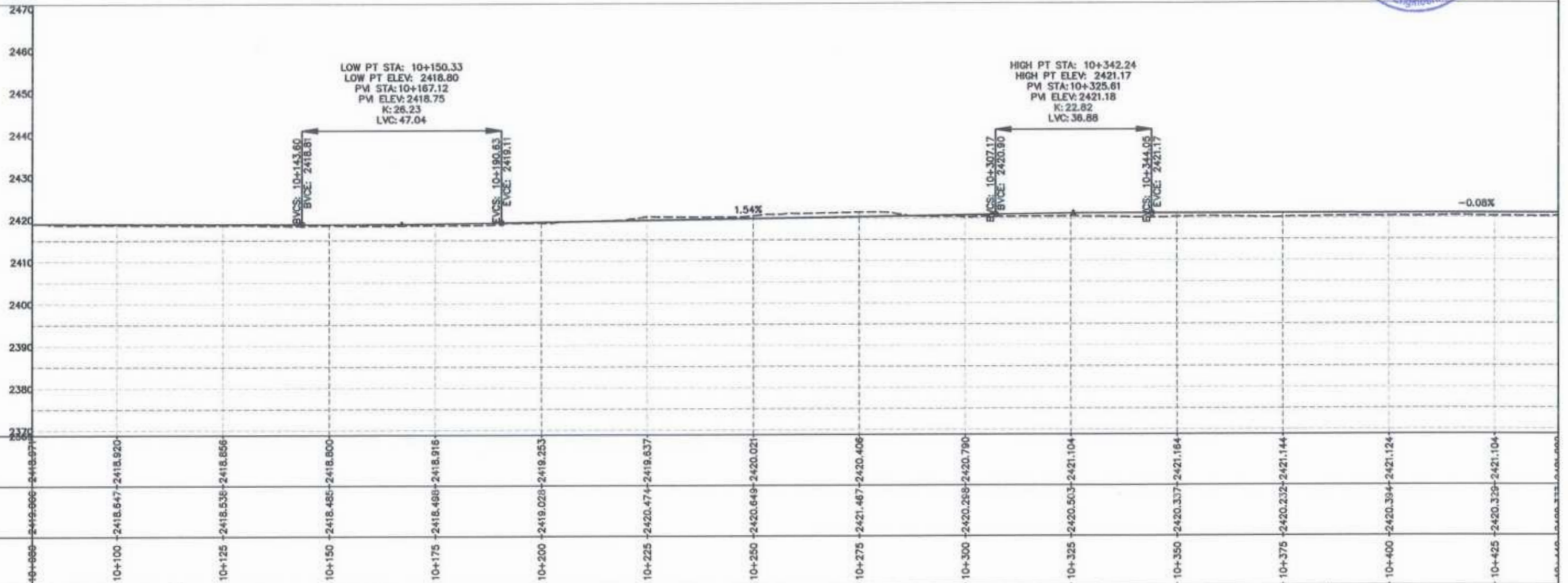
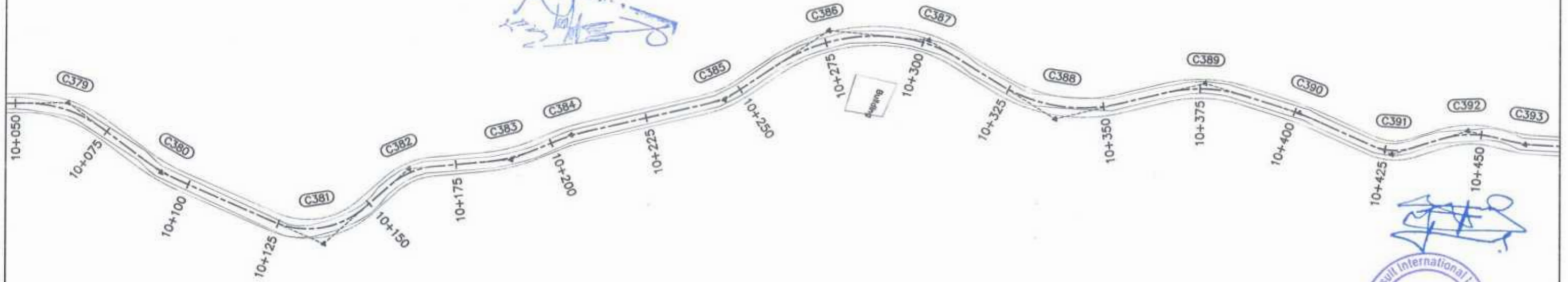
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings.	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 8+540.00 - 9+000.00 DWG NO: CEC/RW/RRDP/N-CHT-6/PP/ 25
		a			DRAWN INAM ULLAH				
		b			CHECKED S-DURRANI				
		c			APPROVED AQEEL YOUNIS				
								DATE: Aug 2024	



<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 9+000.00 - 9+360.00 DWG NO: CEC/W/RRDP/N-CHT-6/PP/ 26
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
		c			APPROVED	AQEEL YOUNIS				

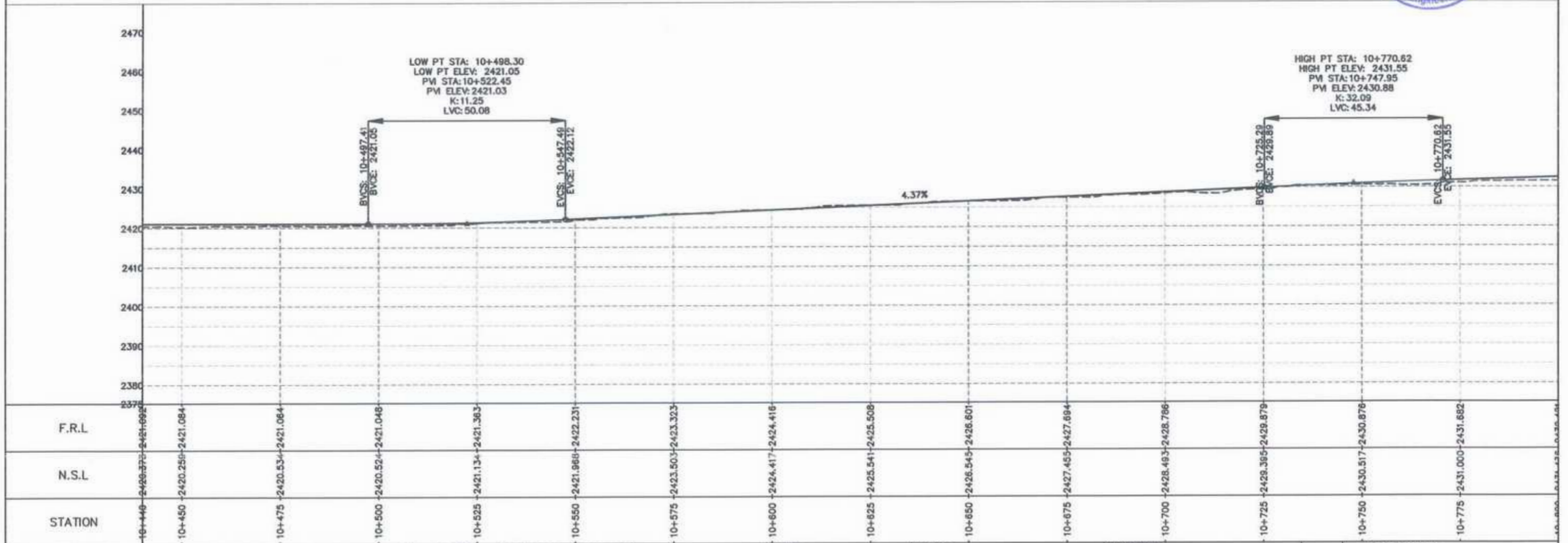
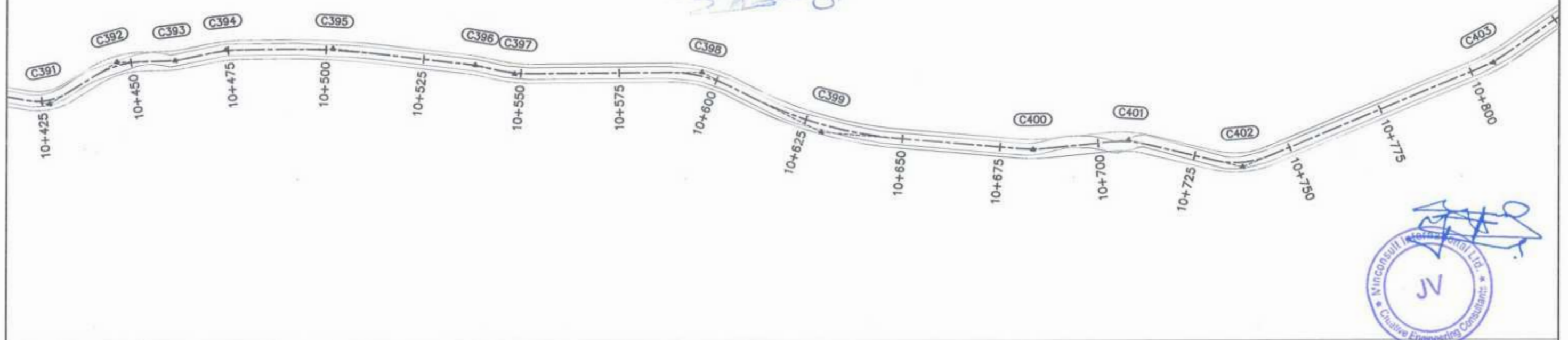


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 9+360.00 - 9+720.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 27
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH SCALE: H=1:1000 SHEET CONTENT: PLAN & PROFILE 9+360.00 - 9+720.00 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 27										



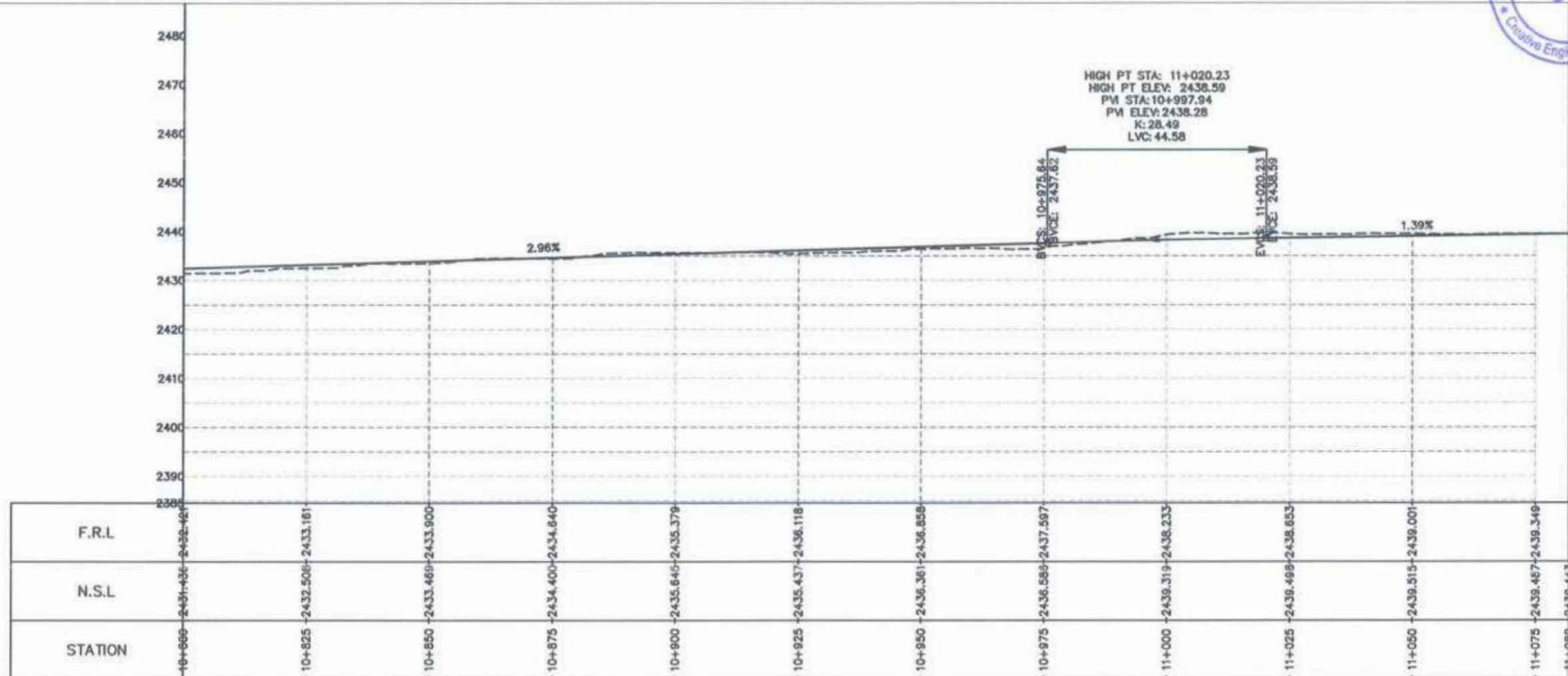
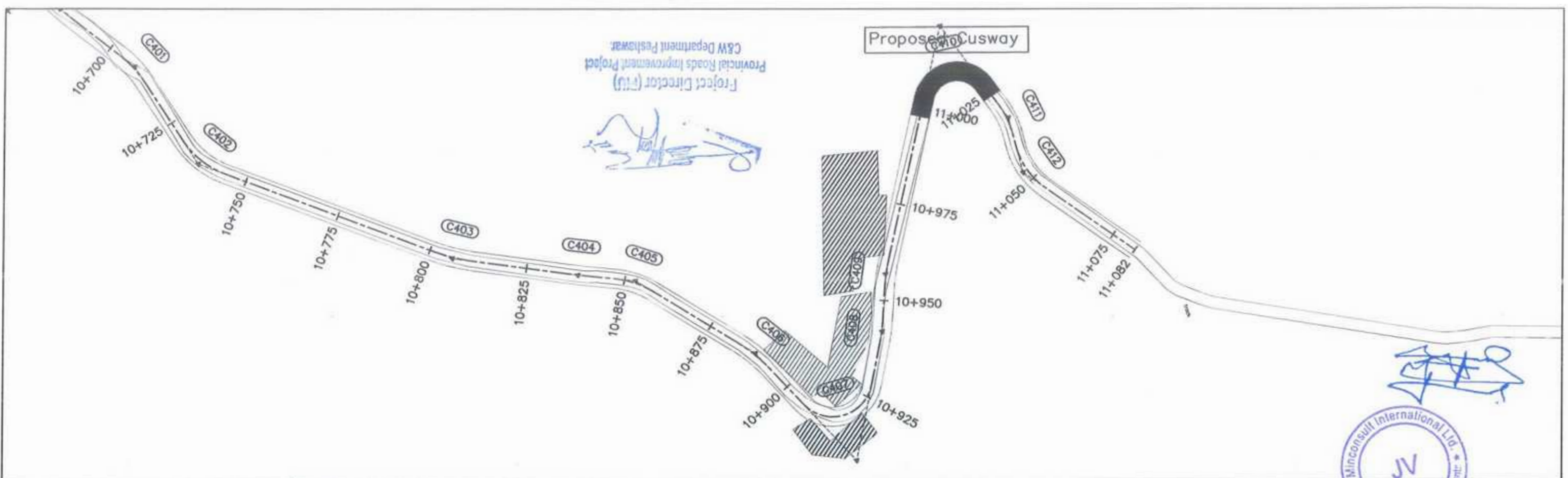
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 10+080.00 - 10+440.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 29
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
		c			APPROVED	AOEEL YOUNIS								

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



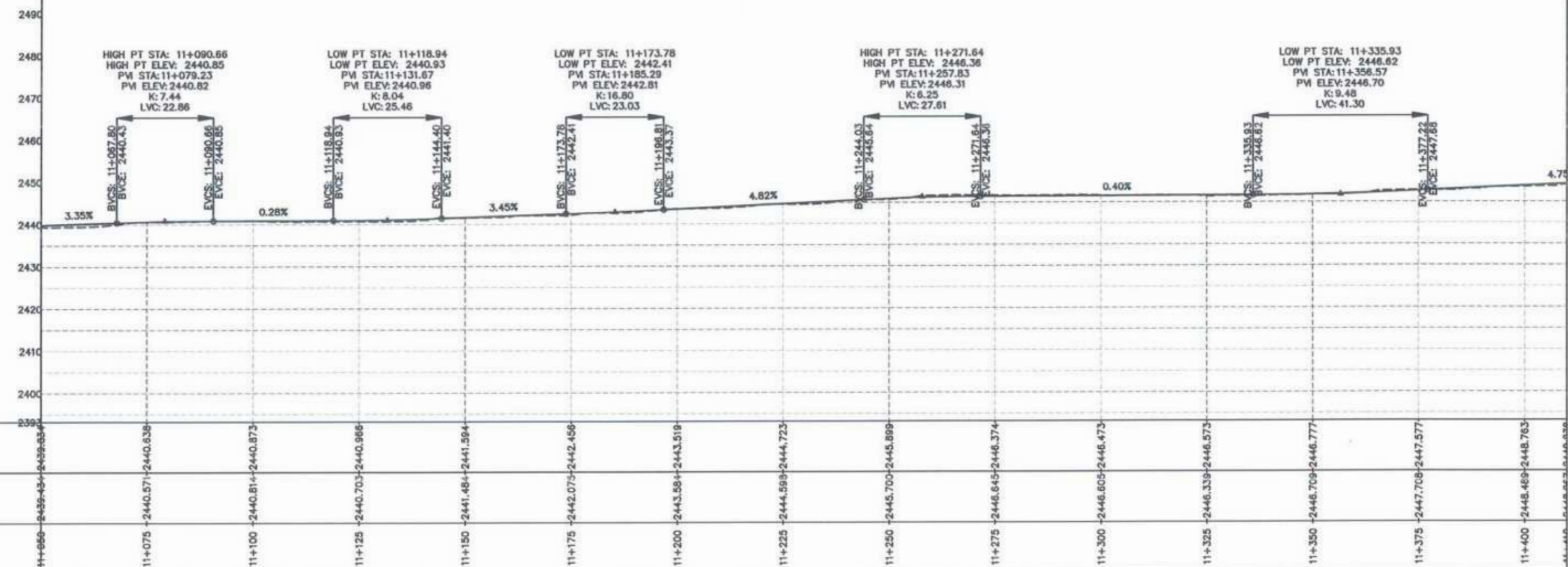
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10+450	2420.250	2421.064
10+475	2420.534	2421.064
10+500	2420.524	2421.068
10+525	2421.134	2421.363
10+550	2421.968	2422.231
10+575	2423.503	2423.323
10+600	2424.417	2424.416
10+625	2425.541	2425.508
10+650	2426.545	2426.601
10+675	2427.455	2427.694
10+700	2428.463	2428.786
10+725	2429.365	2429.879
10+750	2430.517	2430.876
10+775	2431.000	2431.682
10+800	2431.458	2432.488

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 10+440.00 - 10+800.00 DWG NO: CEC/RW/RRDP/N-CHT-6/PP/ 30	
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						



<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 10+800.00 - 11+081.84 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 31
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
c			APPROVED	AQEEL YOUNIS						

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

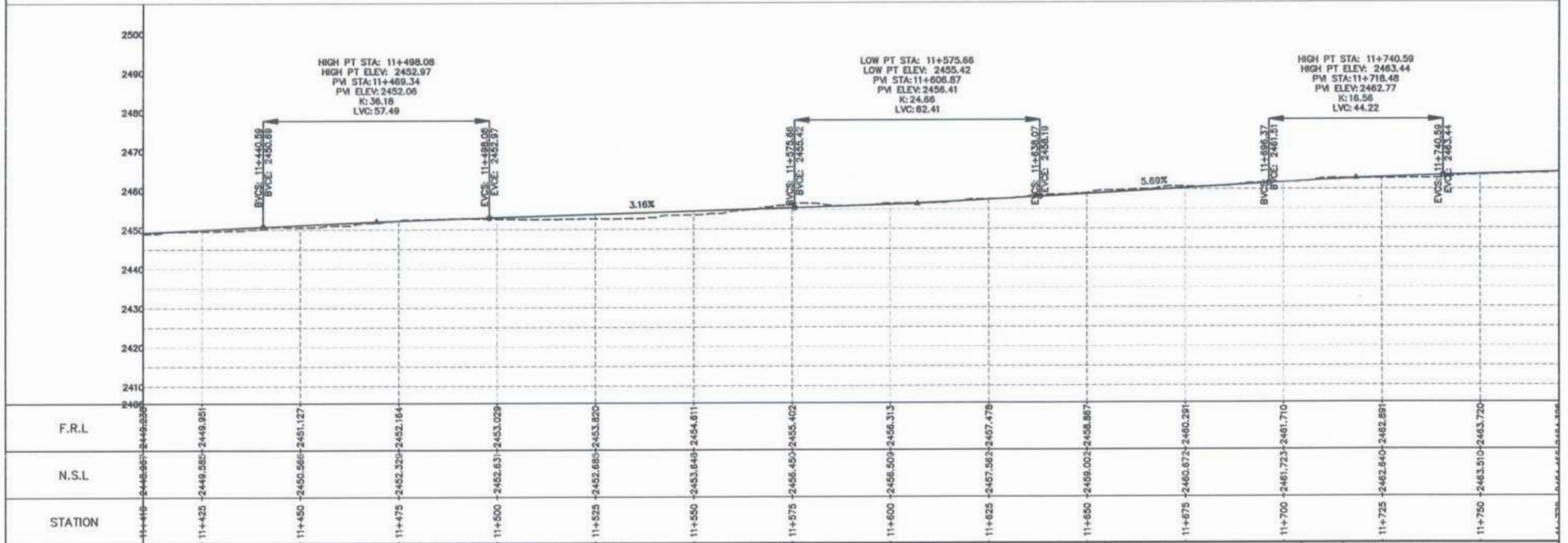


STATION	N.S.L	F.R.L
11+050	2439.63	2439.63
11+075	2440.57	2440.638
11+100	2440.81	2440.873
11+125	2440.703	2440.966
11+150	2441.484	2441.594
11+175	2442.075	2442.456
11+200	2443.584	2443.519
11+225	2444.595	2444.723
11+250	2445.700	2445.899
11+275	2446.645	2446.374
11+300	2446.605	2446.473
11+325	2446.339	2446.573
11+350	2446.709	2446.777
11+375	2447.708	2447.577
11+400	2448.469	2448.763

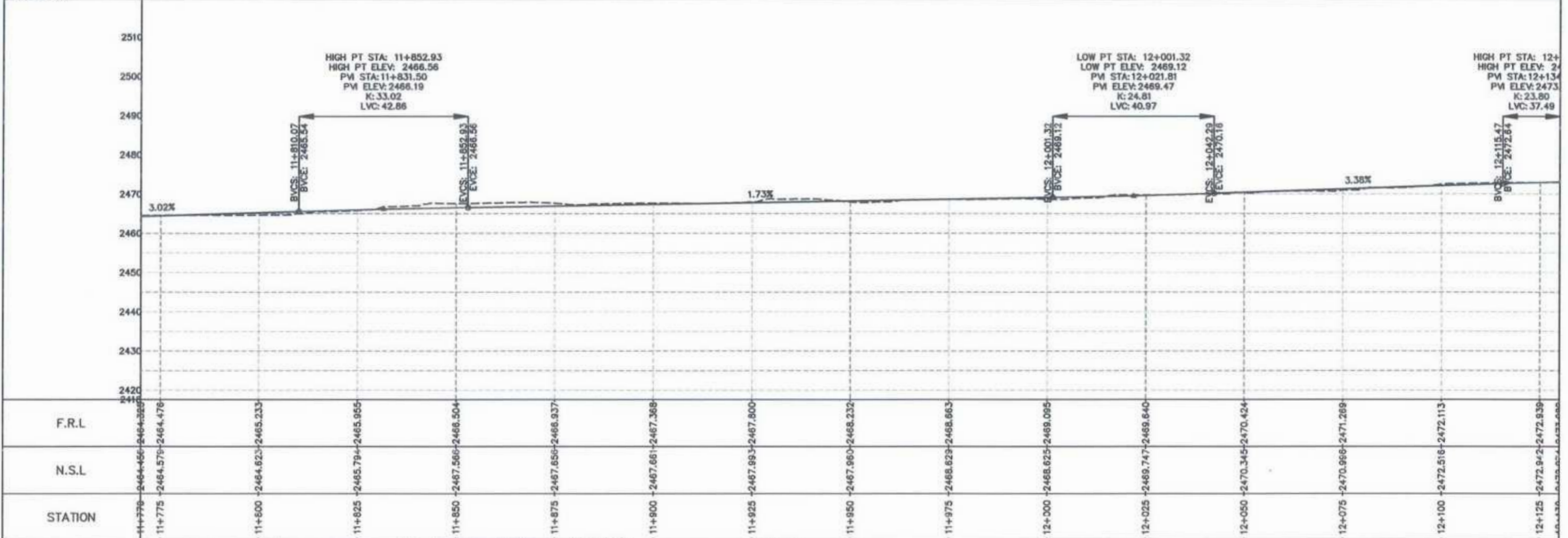
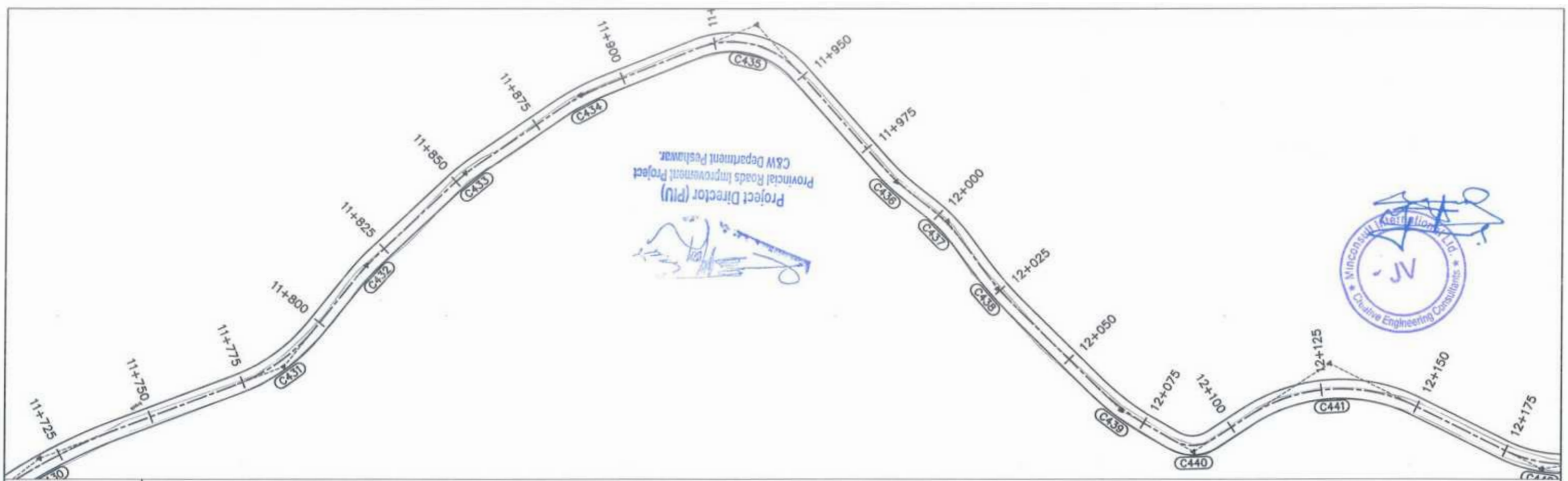
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 1
		a			DRAWN	INAM ULLAH						
		b			CHECKED	S-DURRANI						
c			APPROVED	AQEEL YOUNIS								



Proposed Slab Culvert

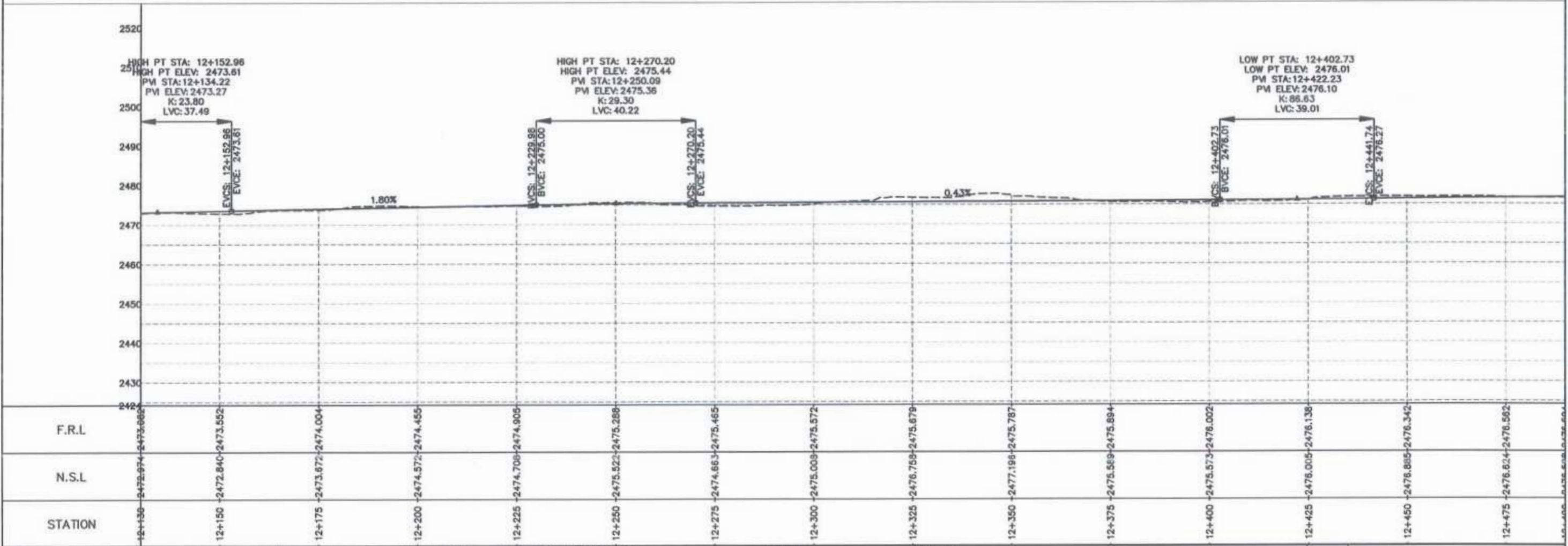
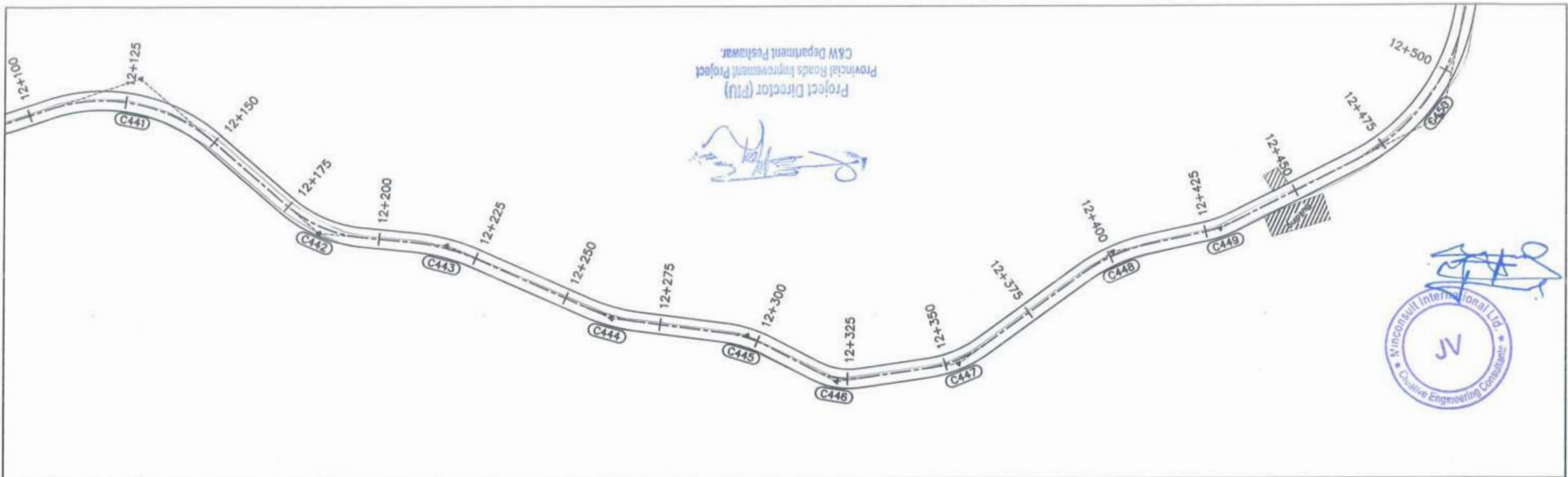


GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024.	PLAN & PROFILE 11+410.00 - 11+770.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 2
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		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										



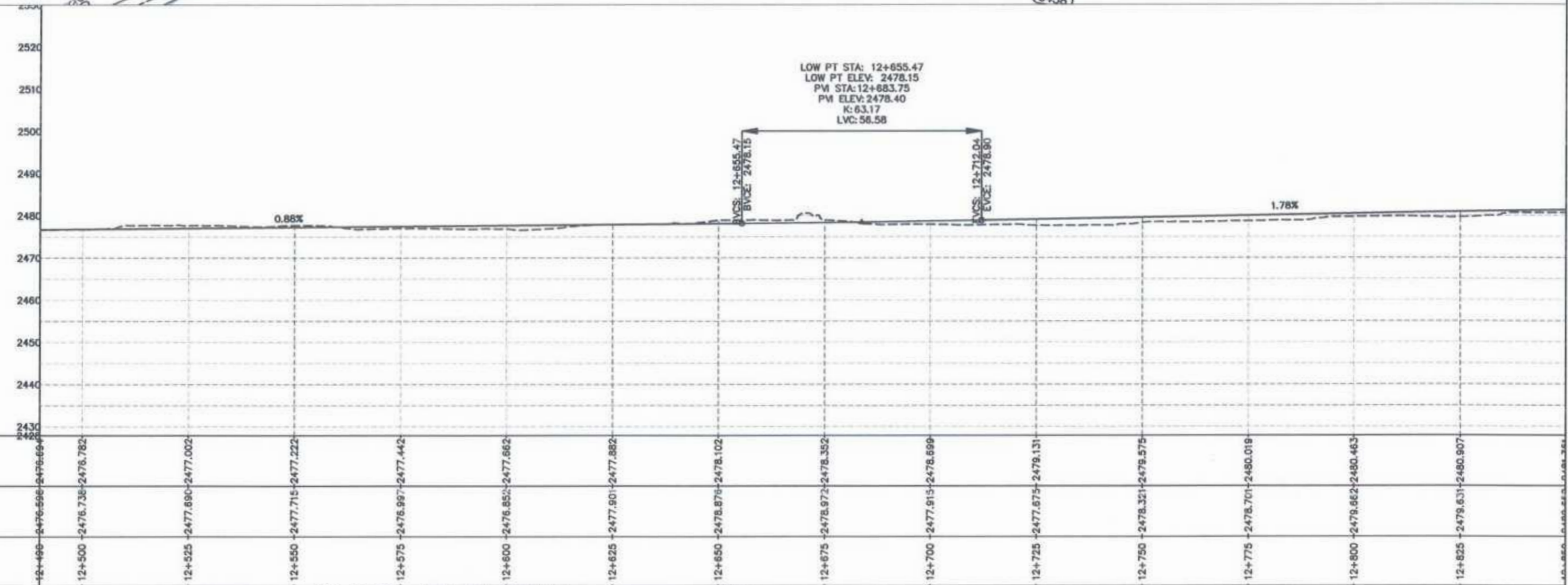
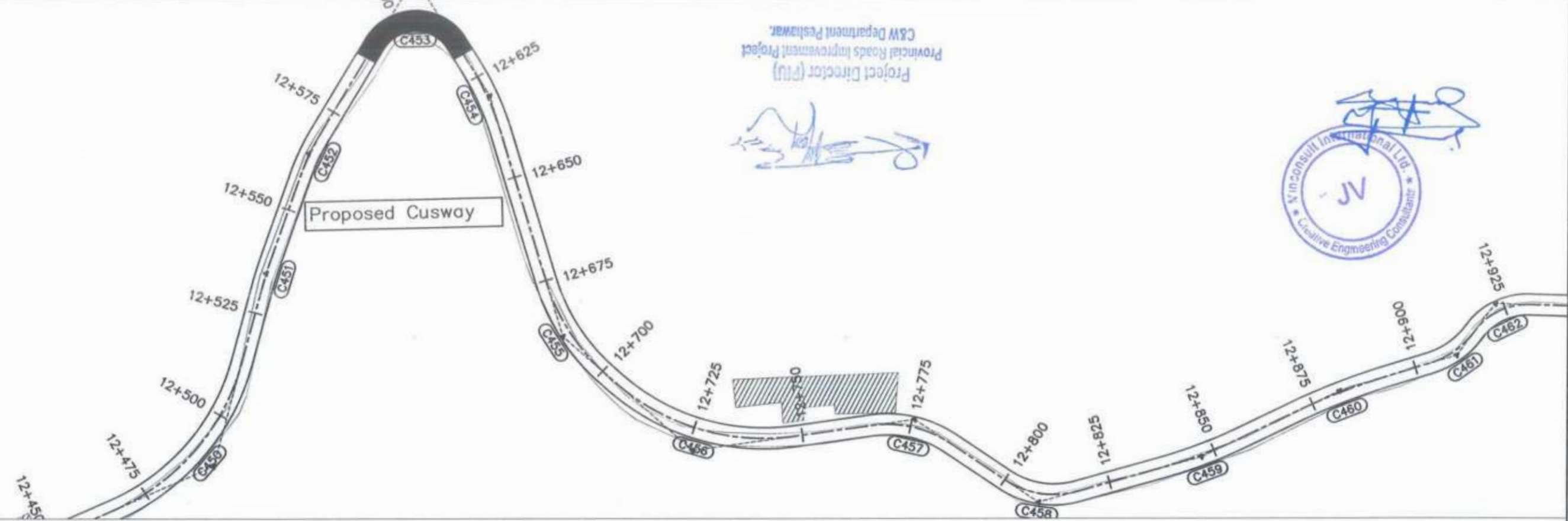
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000
		a			DRAWN	INAM ULLAH						DATE:
		b			CHECKED	S-OURRANI						Aug 2024
		c			APPROVED	AQEEL YOUNIS						DWG NO: CEC/W/RRDP/N-CHT-6/PP/
					3							

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. 59835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 12+130.00 - 12+490.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 4
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		b			CHECKED	S-DURRANI								
		c			APPROVED	AQEEL YOUNIS								

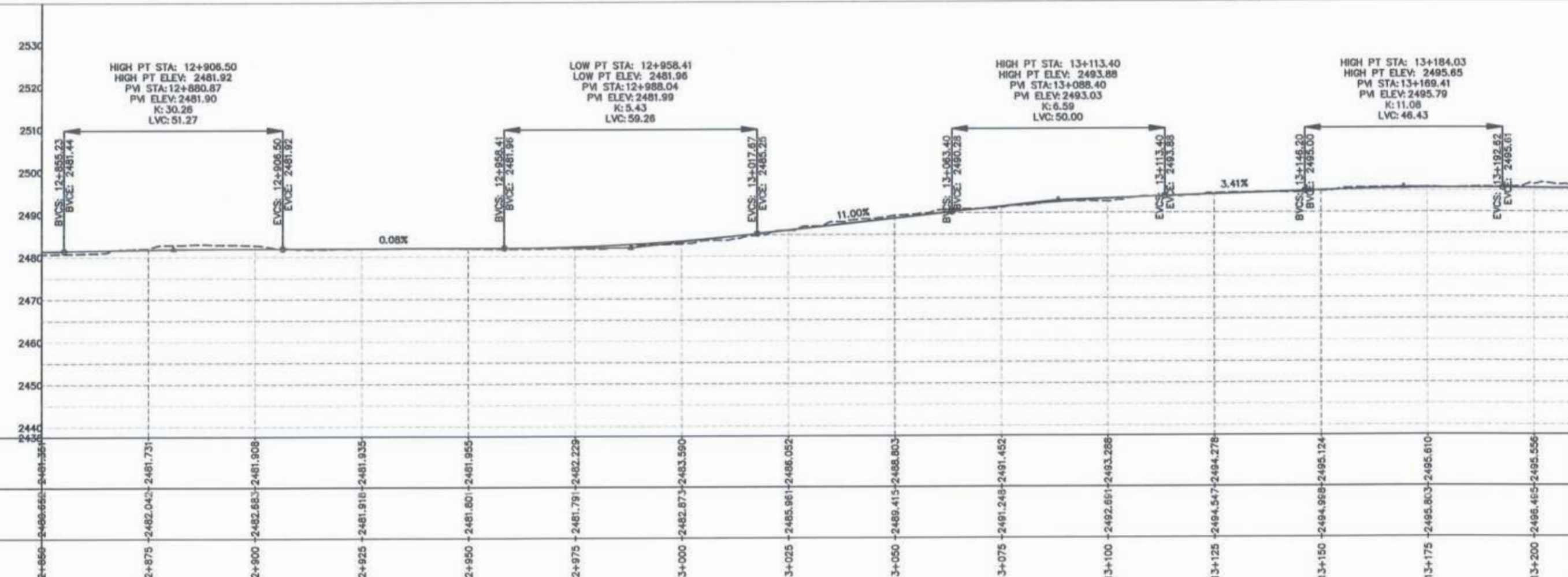
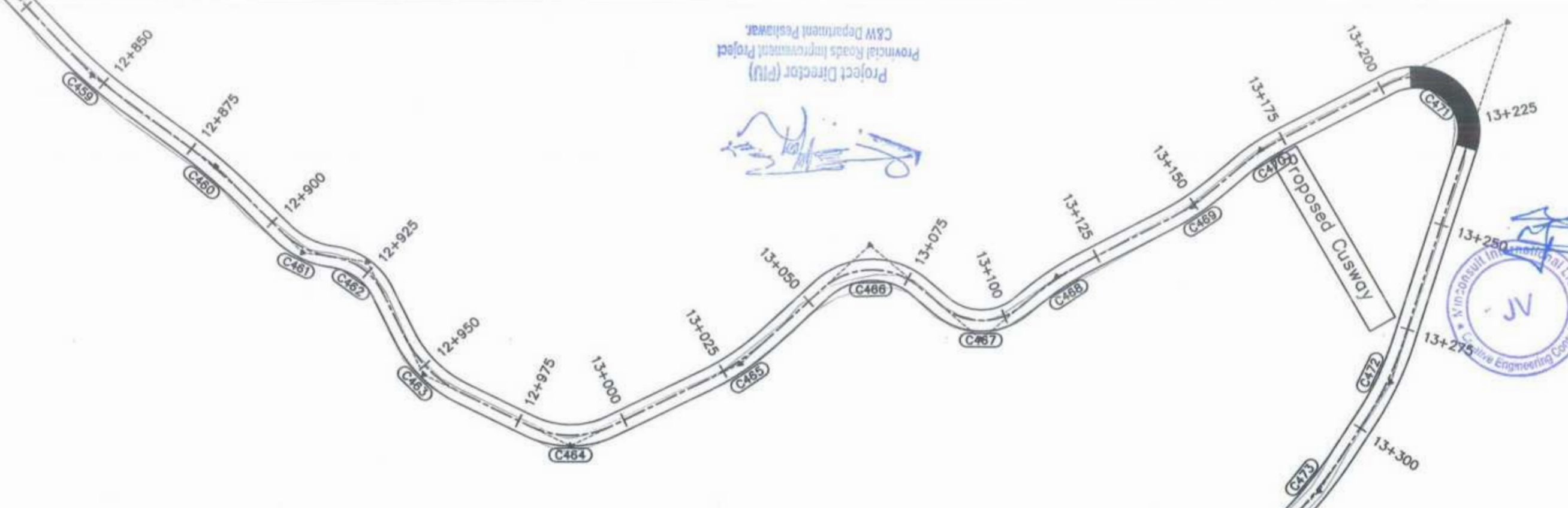
Project Director (PIU)
C&W Department Peshawar



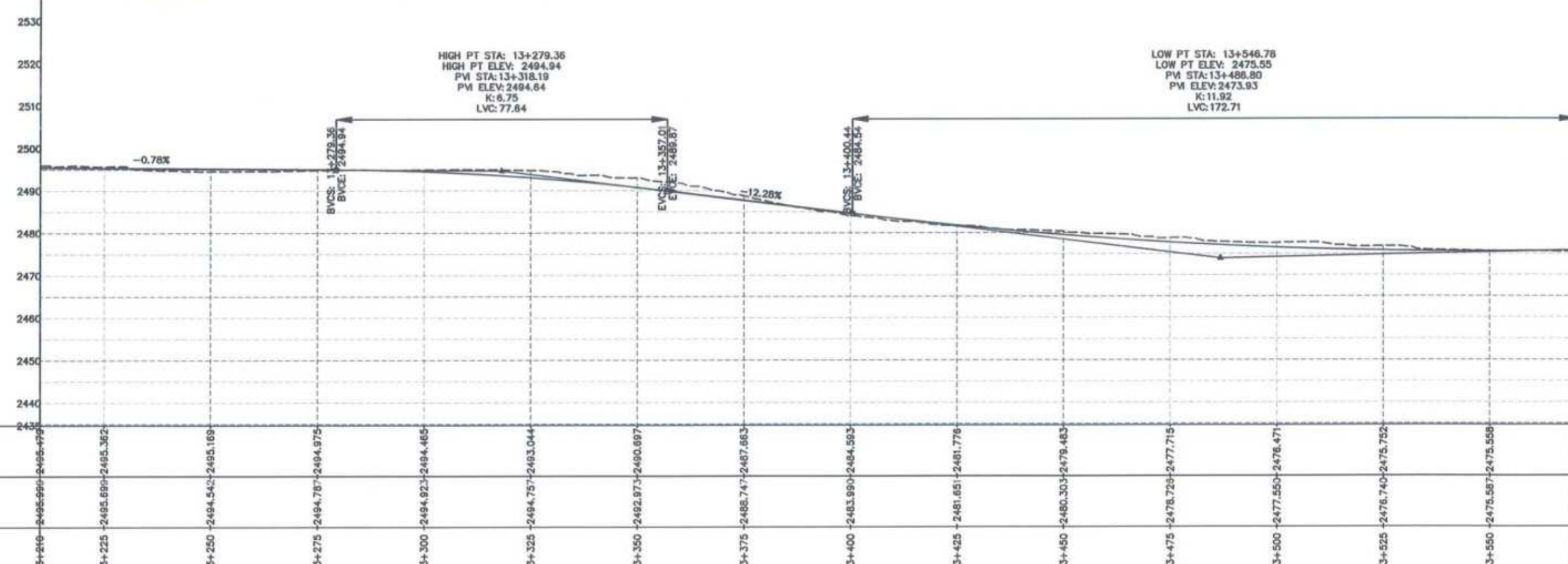
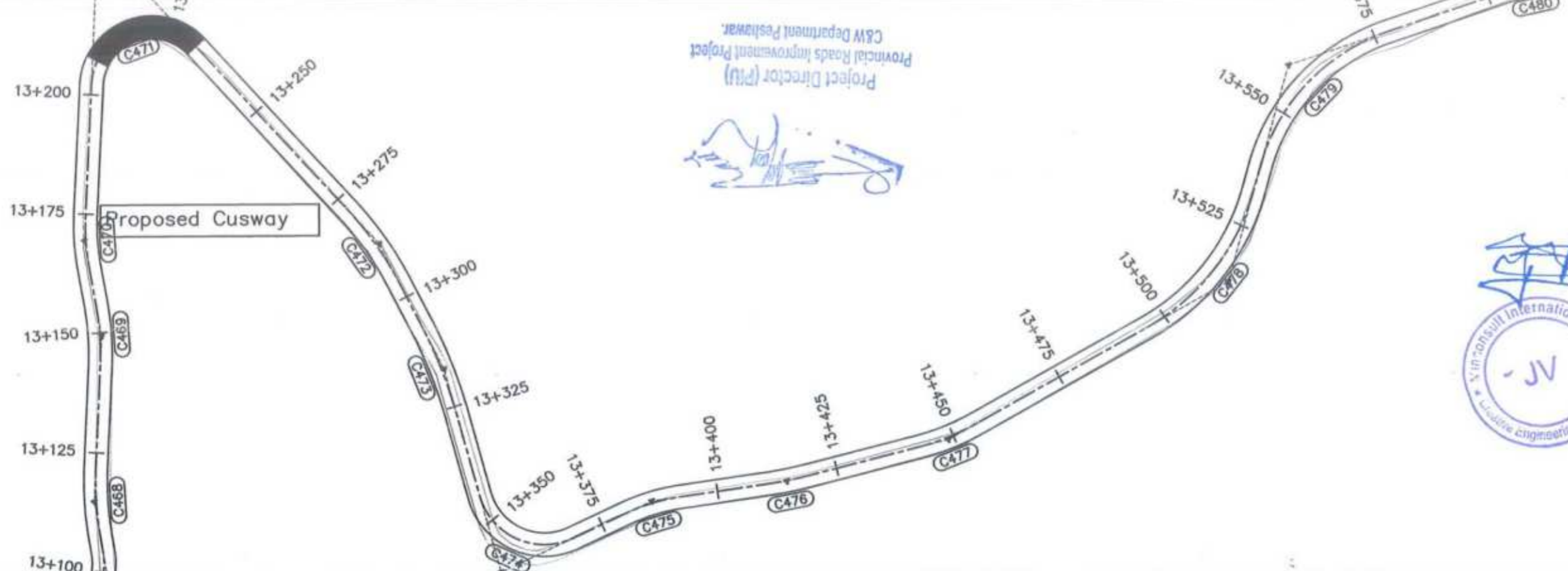
STATION	N.S.L	F.R.L
12+450	2476.596	2476.694
12+500	2476.736	2476.782
12+525	2477.690	2477.002
12+550	2477.715	2477.222
12+575	2476.997	2477.442
12+600	2476.852	2477.662
12+625	2477.901	2477.882
12+650	2478.876	2478.102
12+675	2478.972	2478.352
12+700	2477.915	2478.699
12+725	2477.675	2478.131
12+750	2478.321	2479.575
12+775	2478.701	2480.019
12+800	2479.662	2480.463
12+825	2479.631	2480.907

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 12+490.00 - 12+850.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 5
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		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						

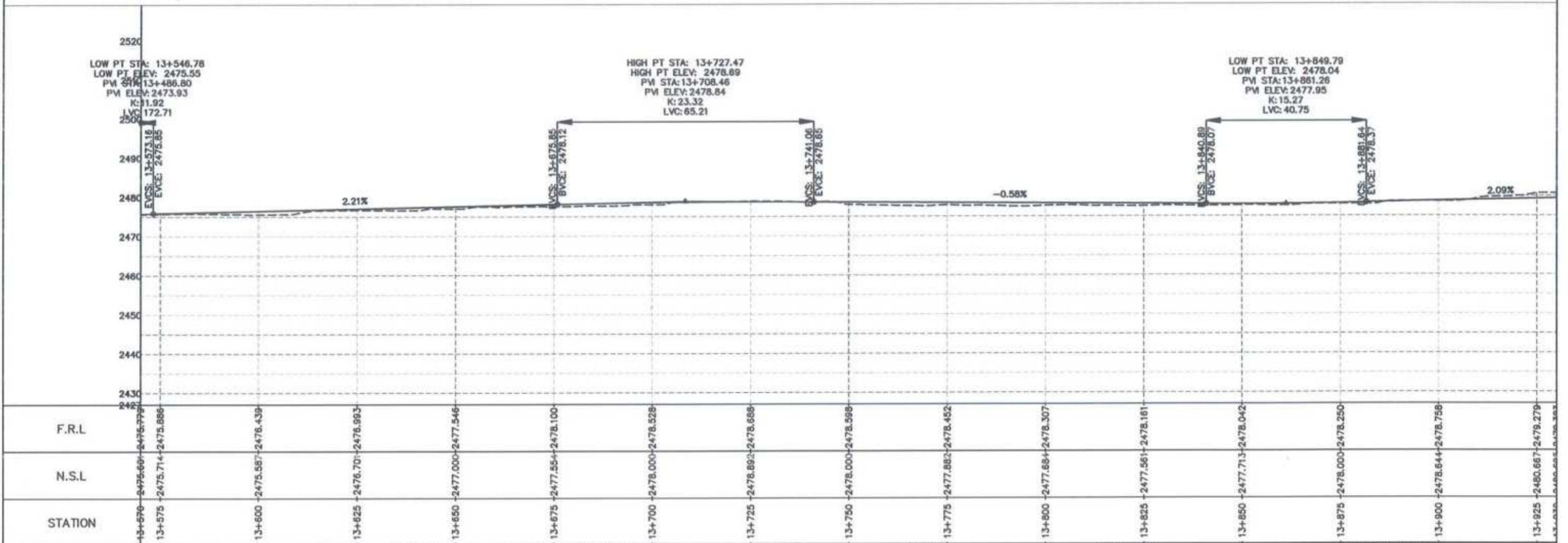
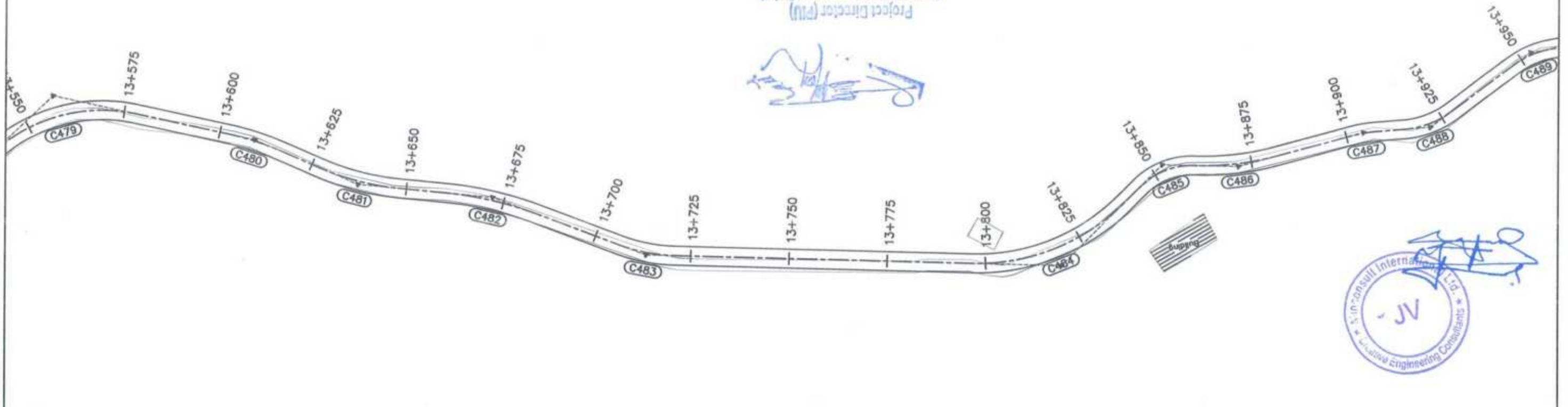
Project Director (PIU)
C&W Department Peshawar



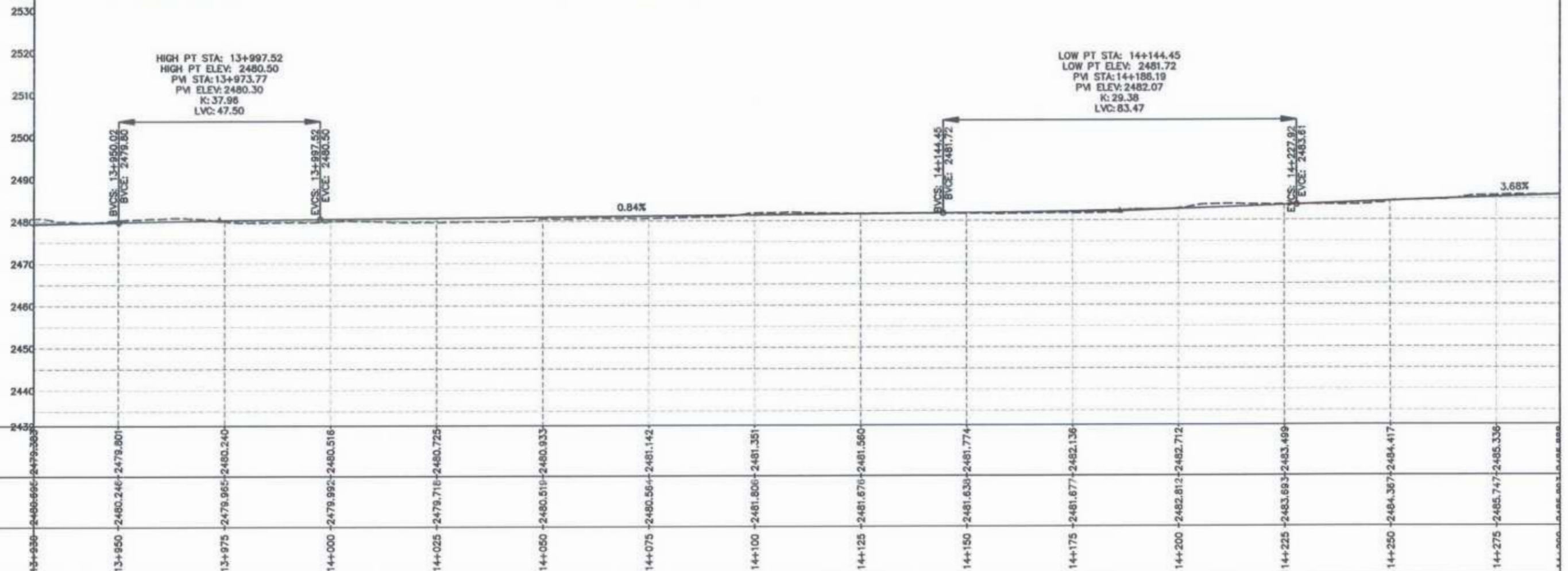
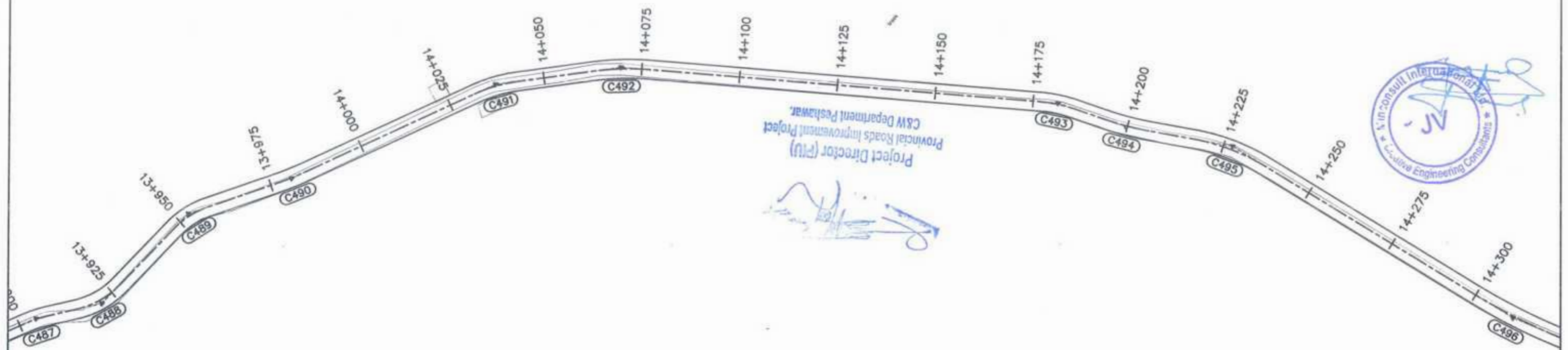
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 12+850.00 - 13+210.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AOEEL YOUNIS										
<p>CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p> <p>PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p> <p>ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED</p> <p>SCALE: H=1:1000</p> <p>DATE: Aug 2024</p> <p>SHEET CONTENT: PLAN & PROFILE 12+850.00 - 13+210.00</p> <p>DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 6</p>														



<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 13+210.00 - 13+570.00
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AQEEL YOUNIS			DWG NO: CEC/HW/RRDP/N-CHT-6/PPV	
					7					

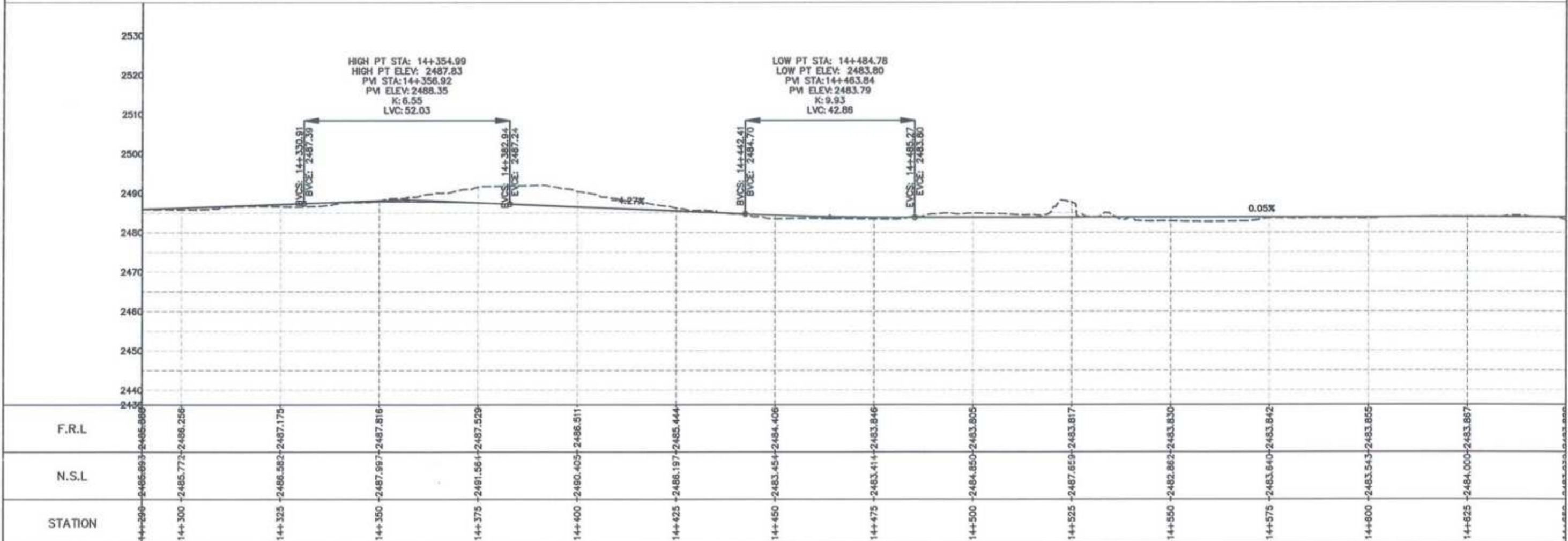
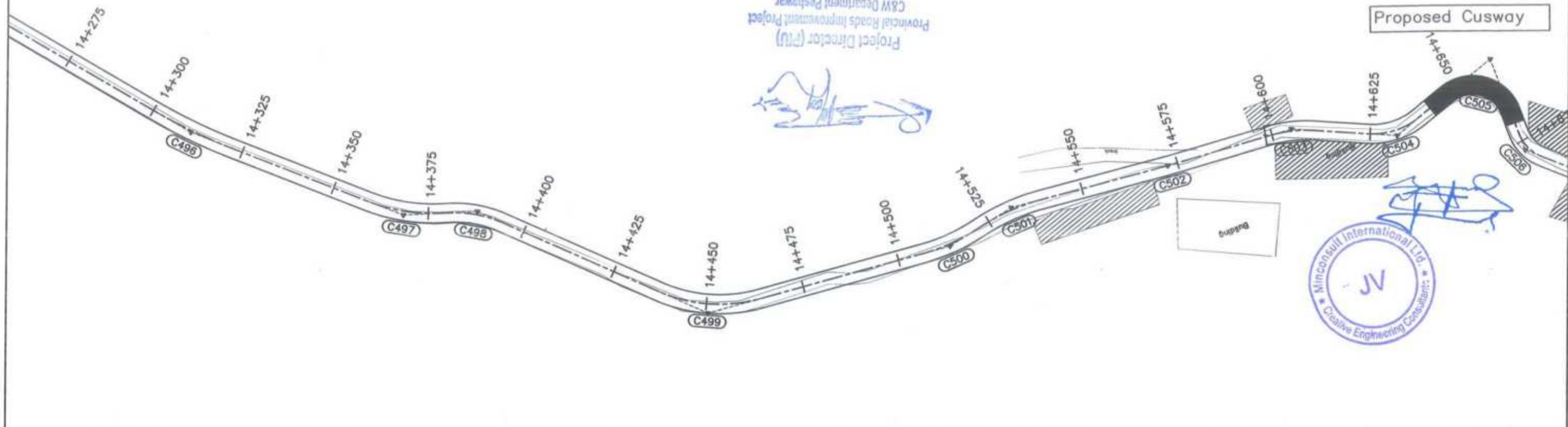


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	N-CHT-6	H=1:1000	PLAN & PROFILE 13+570.00 - 13+930.00
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-OURRANI			Aug 2024	
c			APPROVED	AGEEL YOUNIS	DWG NO: CEC/HWRDP/N-CHT-6/PPY					



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</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	REHMAT	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED</p>	H=1:1000	<p>PLAN & PROFILE 13+930.00 - 14+290.00</p>
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/					

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



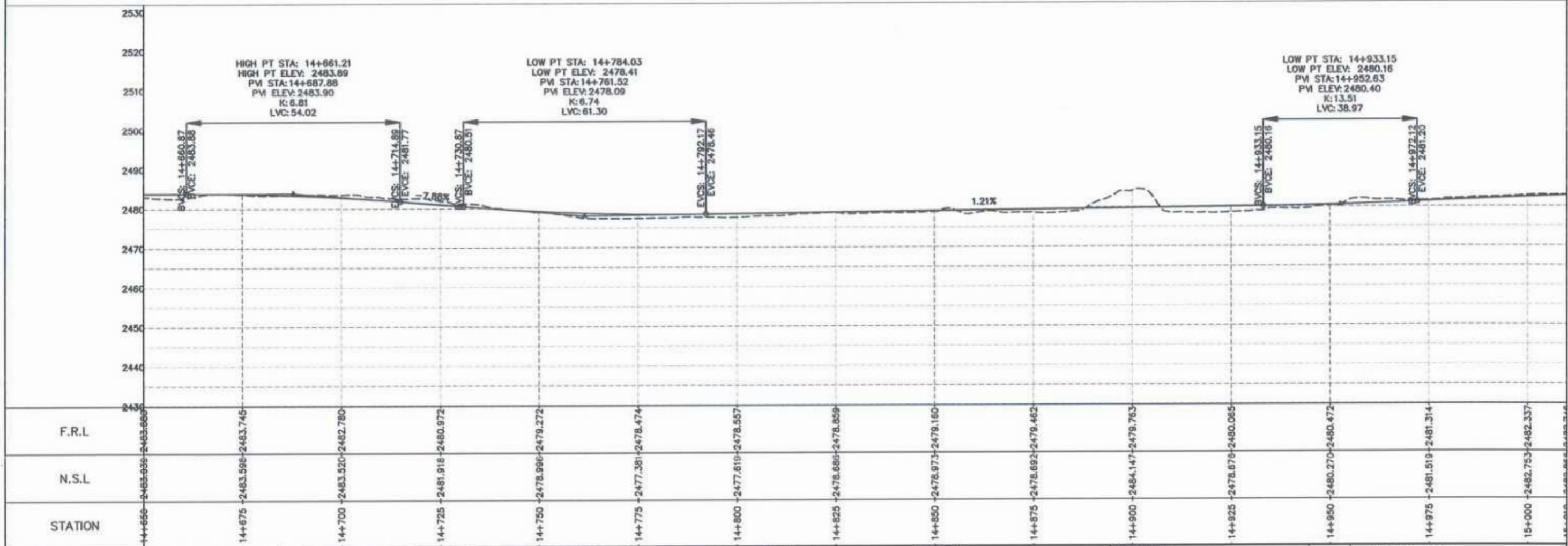
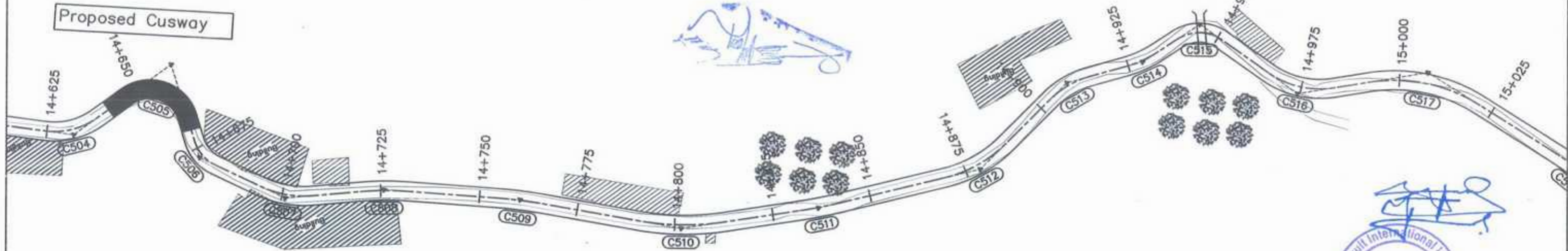
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	14+290.00 - 14+650.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
		c			APPROVED	AQEEL YOUNIS								
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH SCALE: H=1:1000 SHEET CONTENT: PLAN & PROFILE 14+290.00 - 14+650.00 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-6/PPV 10														

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



Proposed Slab Culvert

Proposed Cusway



STATION	N.S.L	F.R.L
14+650	2463.635	2463.669
14+675	2483.596	2483.745
14+700	2483.520	2482.780
14+725	2481.916	2480.972
14+750	2478.996	2479.272
14+775	2477.381	2478.474
14+800	2477.619	2478.557
14+825	2478.686	2478.859
14+850	2478.973	2478.160
14+875	2478.682	2479.462
14+900	2484.147	2479.763
14+925	2478.676	2480.065
14+950	2480.270	2480.472
14+975	2481.519	2481.314
15+000	2482.753	2482.337

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
0	Aug 2024	Tender Drawings.
a		
b		
c		

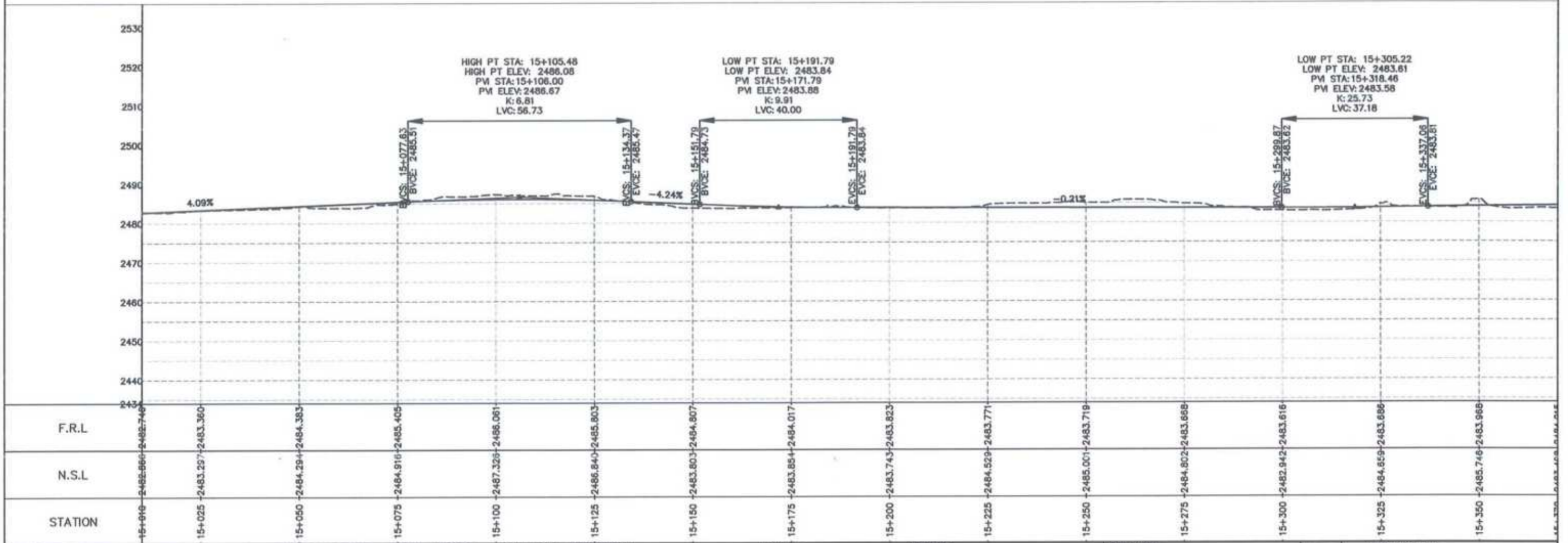
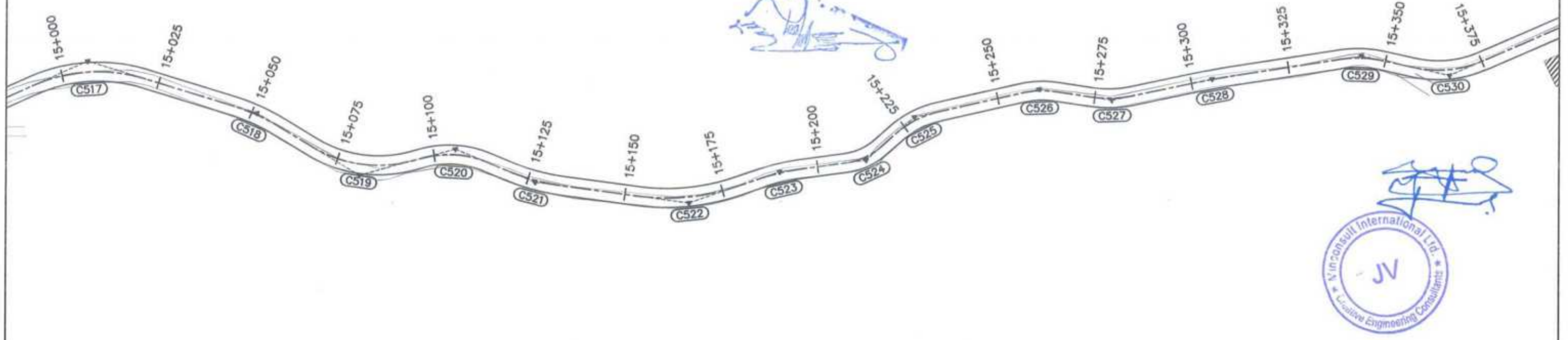
NAMES:	
G.DESIGNED	REHMAT
DRAWN	INAM ULLAH
CHECKED	S-DURRANI
APPROVED	AQEEL YOUNIS

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

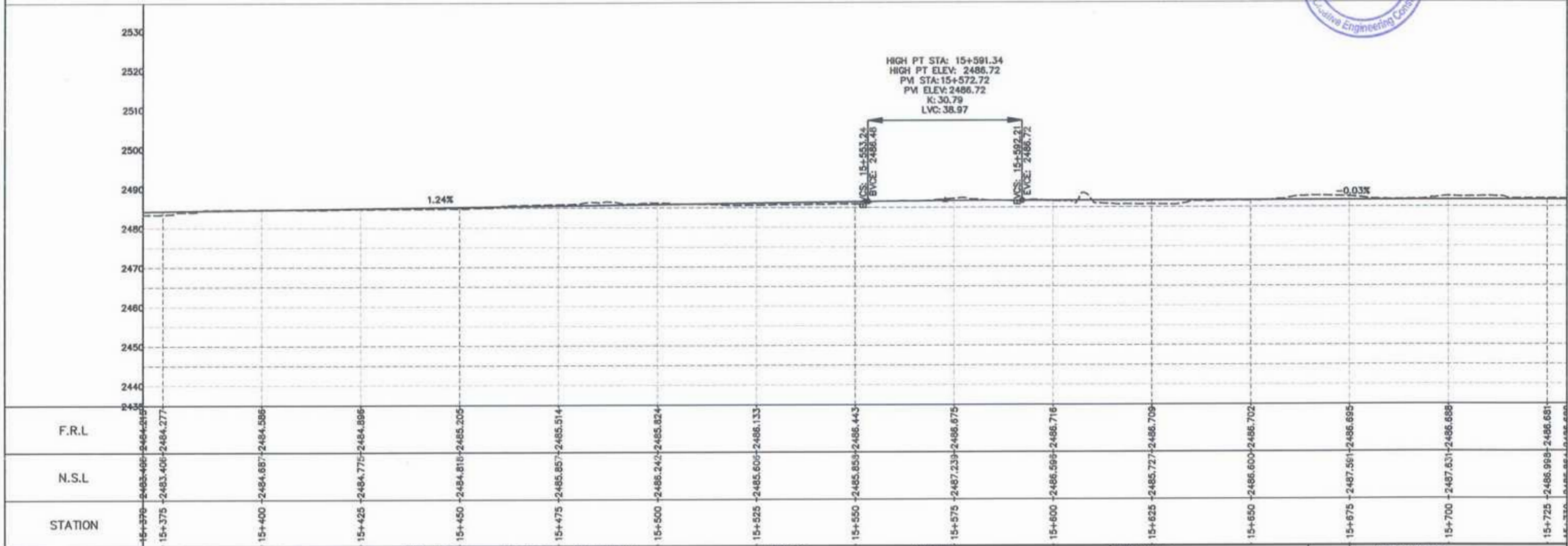
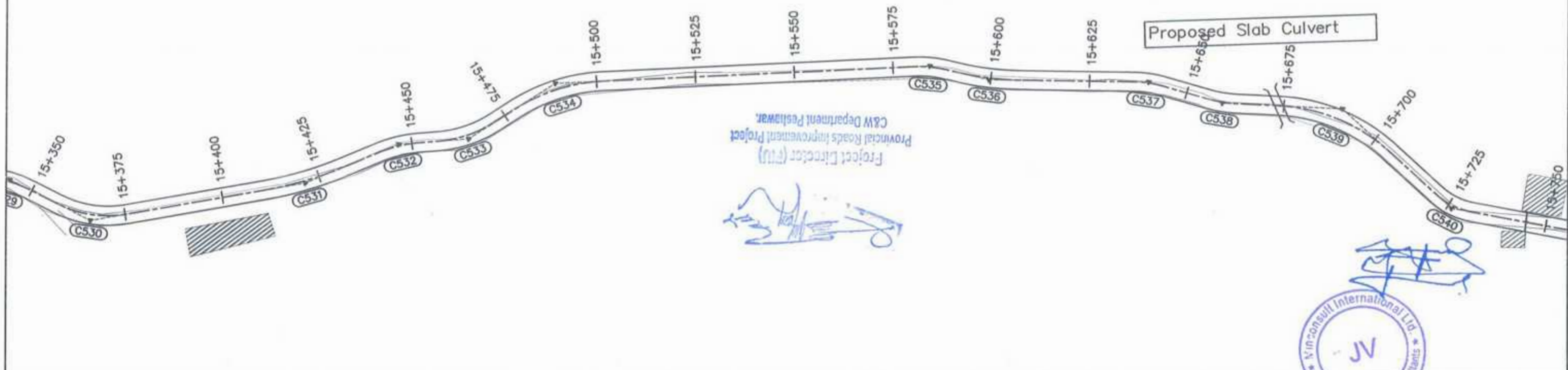
ROAD NAME: **N-CHT-6**
TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH
FLOOD AFFECTED

SCALE: H=1:1000
DATE: Aug 2024

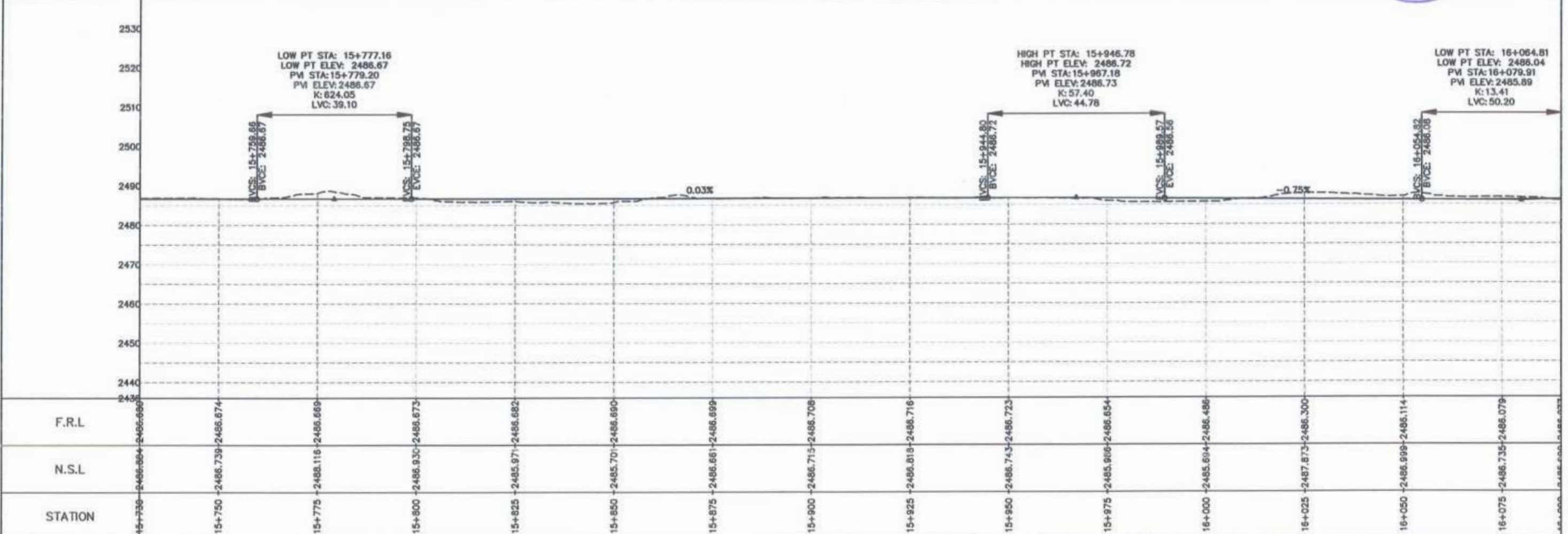
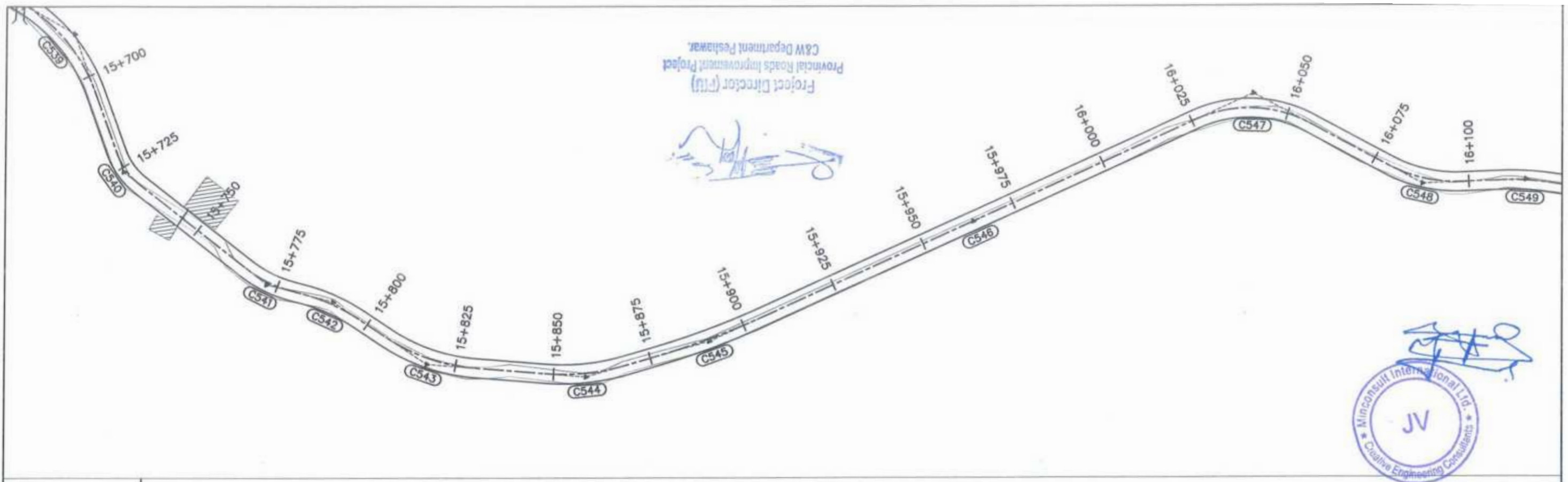
SHEET CONTENT: **PLAN & PROFILE**
14+650.00 - 15+010.00
DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 11



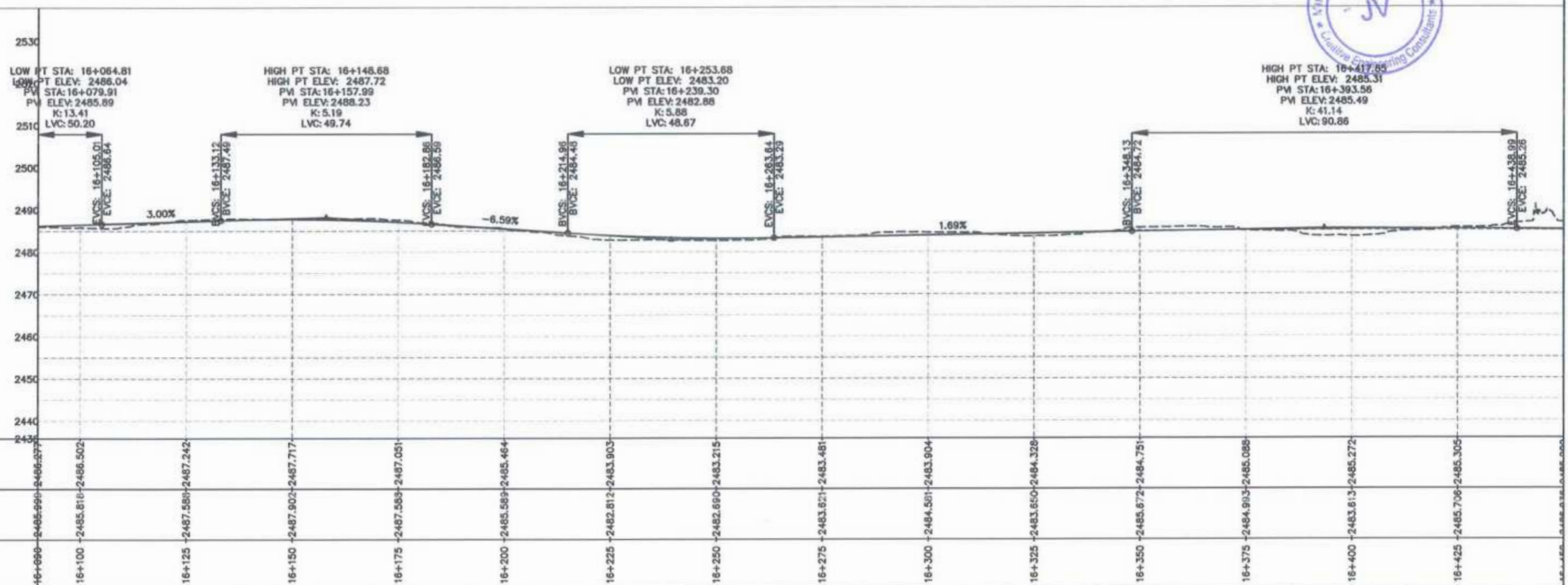
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	15+010.00 - 15+370.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
										Aug 2024	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 12			



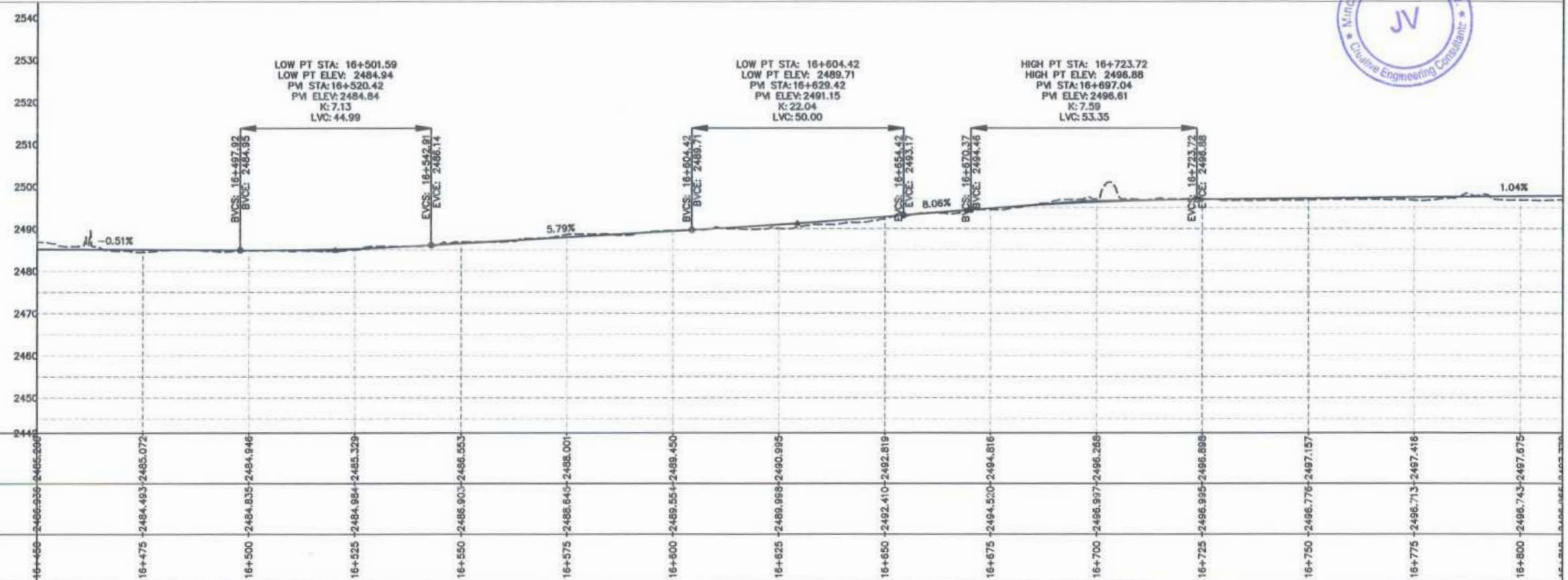
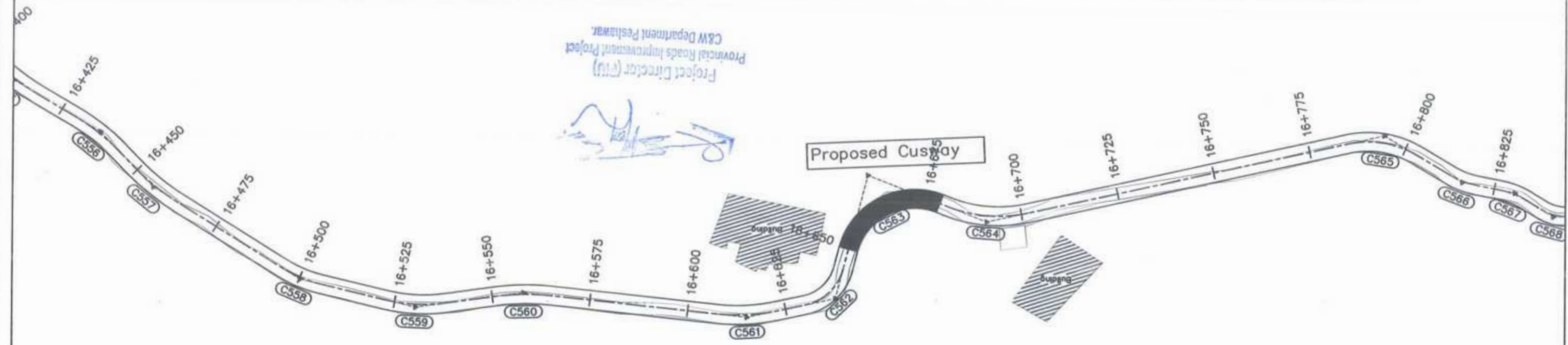
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED</p>	<p>H=1:1000 DATE: Aug 2024.</p>	<p>PLAN & PROFILE 15+370.00 - 15+730.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 13</p>
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
c			APPROVED	AOEEL YOUNIS						



<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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	15+730.00 - 16+090.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH SCALE: H=1:1000 SHEET CONTENT: PLAN & PROFILE 15+730.00 - 16+090.00 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-8/PP/ 14														

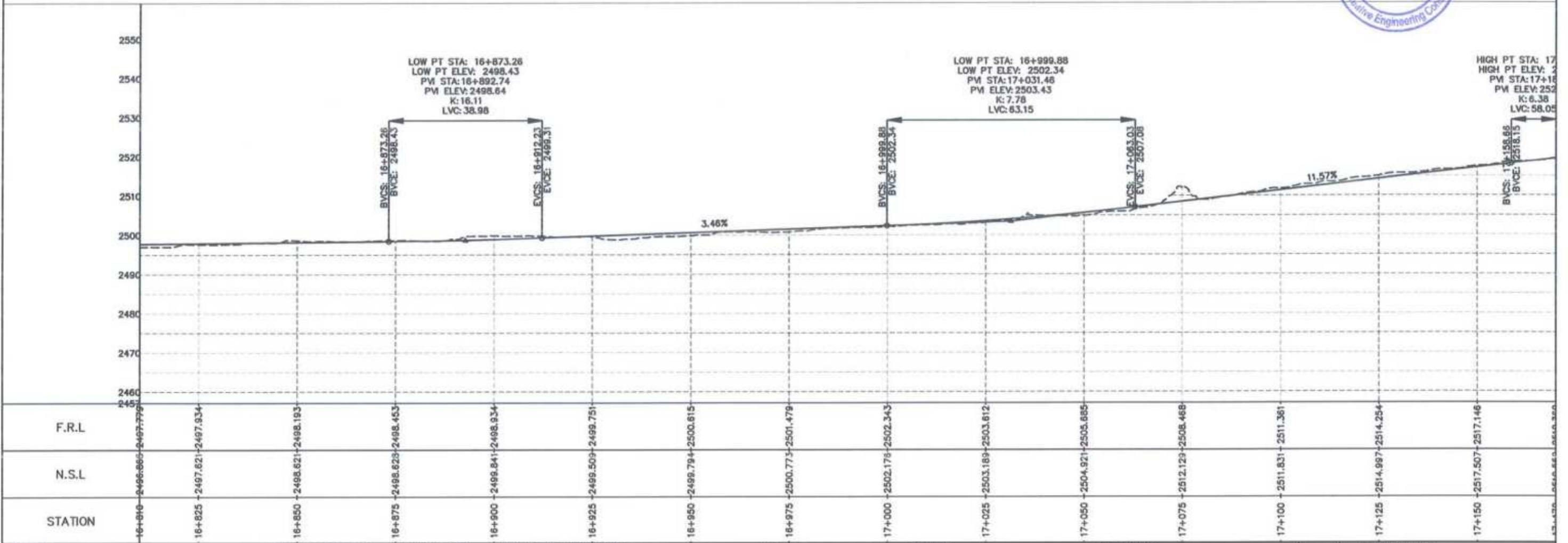
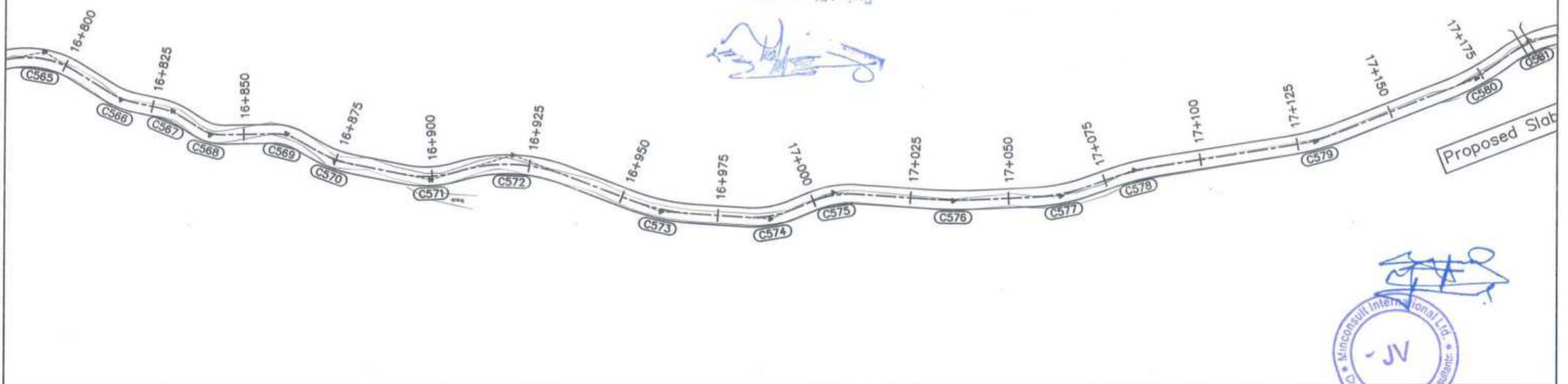


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	16+090.00 - 16+450.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AOEEL YOUNIS										
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH SCALE: H=1:1000 SHEET CONTENT: PLAN & PROFILE 16+090.00 - 16+450.00 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 15														

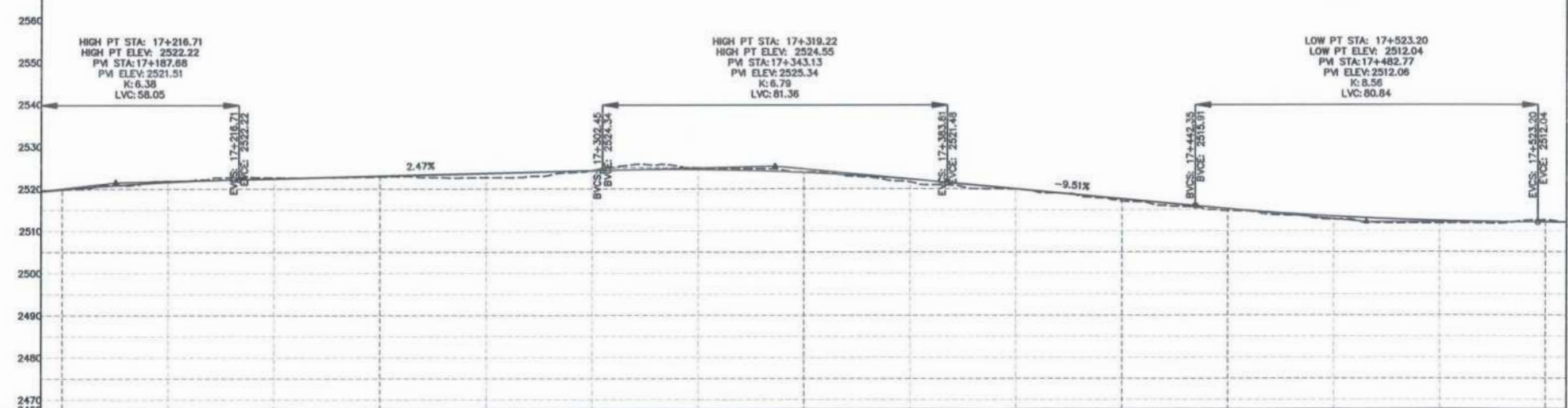
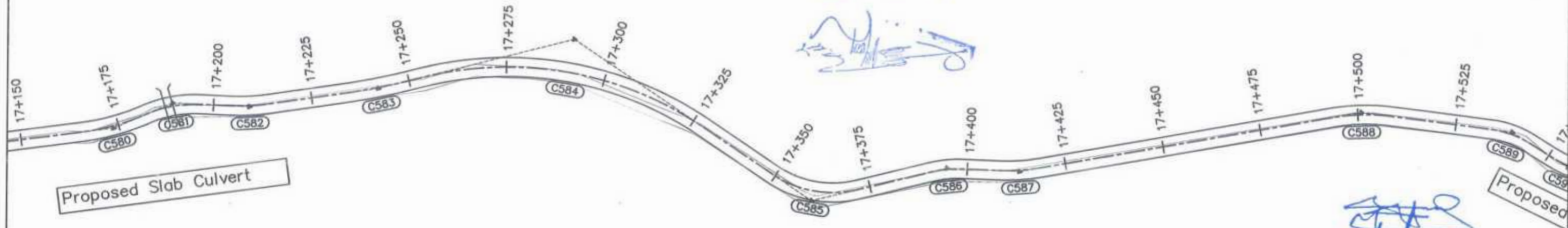


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	16+450.00 - 16+810.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AOEEL YOUNIS										
									Aug 2024.	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/	16			

Project Director (PIU)
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 C&W Department Peshawar

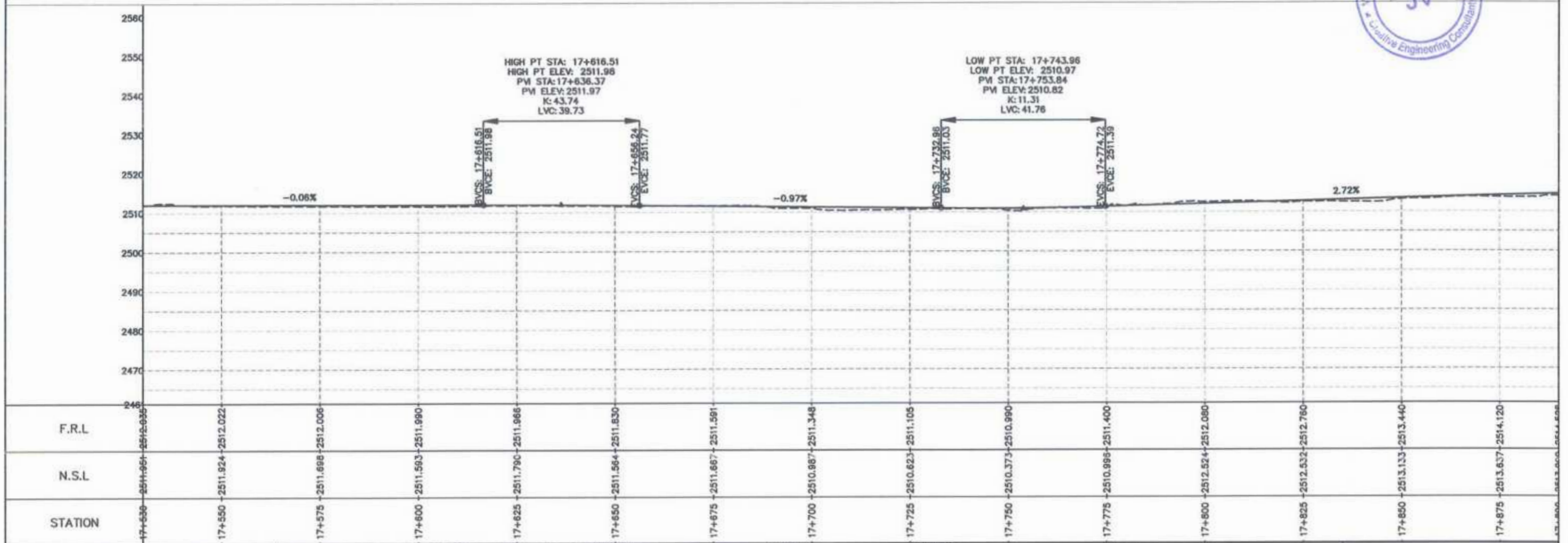
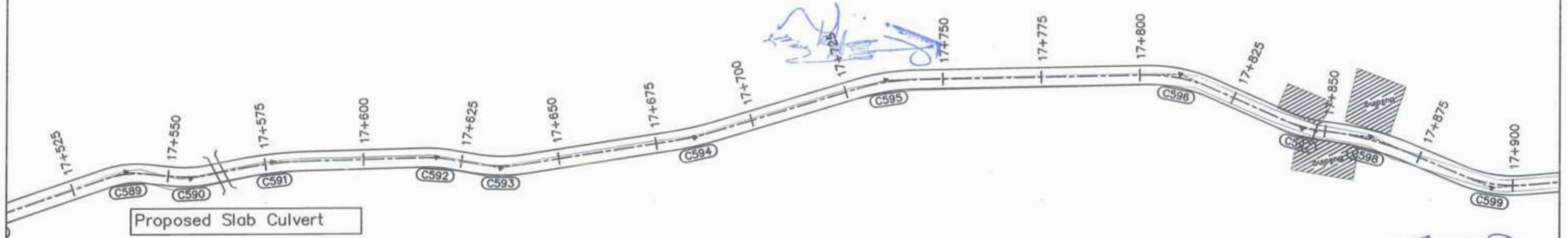


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 16+810.00 - 17+170.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
		c			APPROVED	AQEEL YOUNIS								
										DWG NO: CEC/HW/RRDP/N-CHT-6/PP/				
										17				



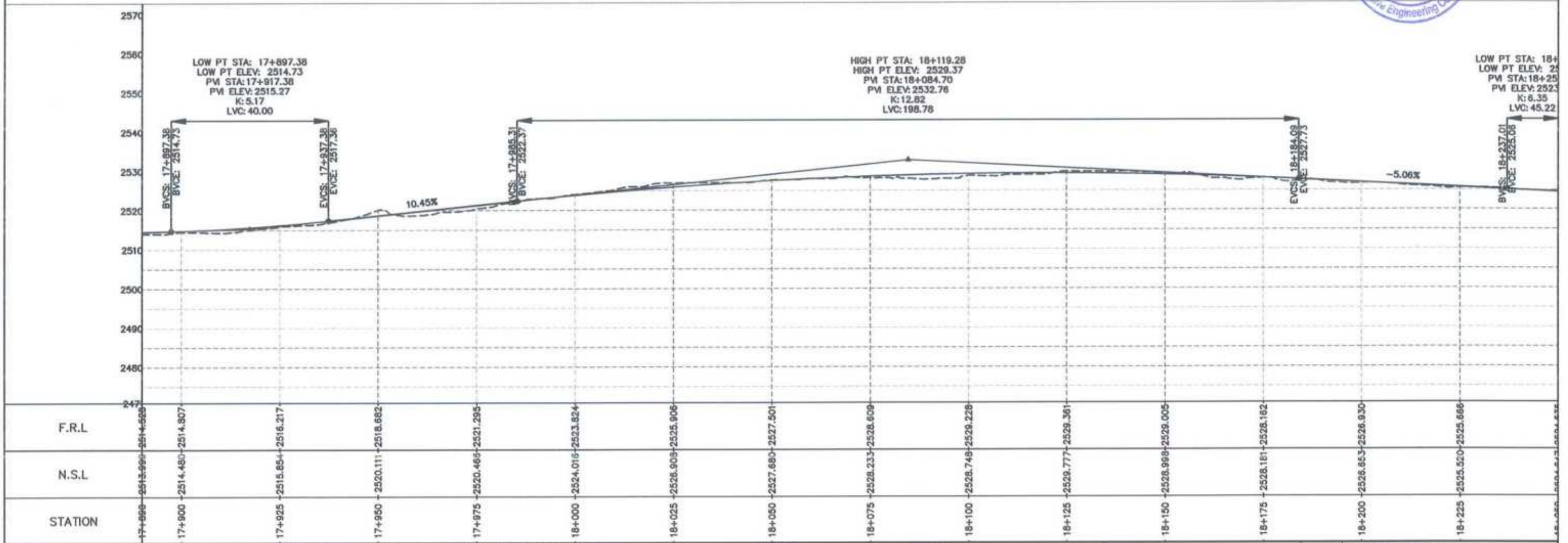
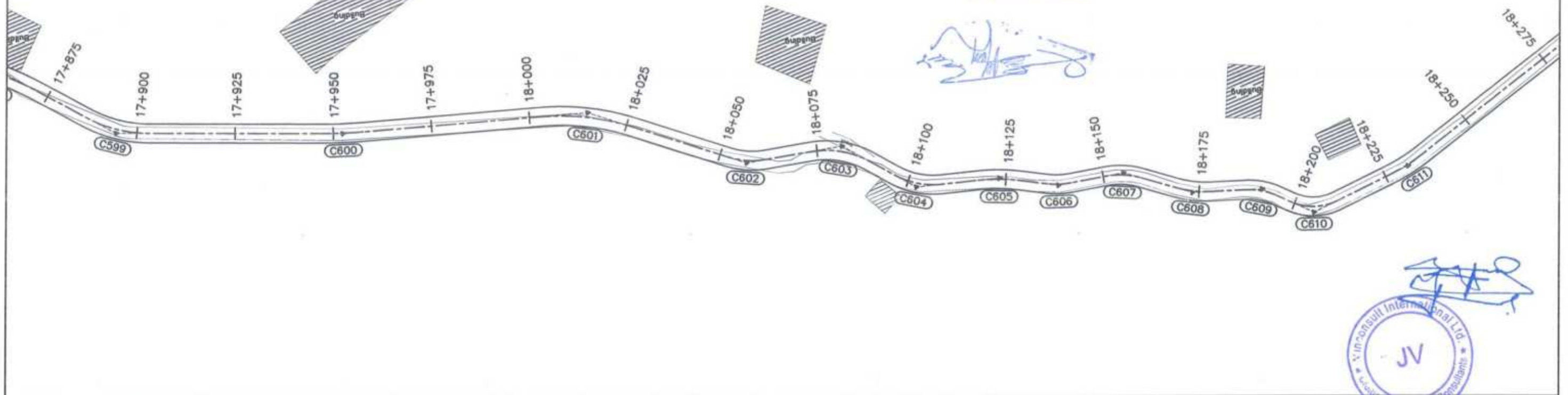
STATION	N.S.L	F.R.L
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17+175	2519.818	2519.830
17+200	2521.868	2521.592
17+225	2522.880	2522.428
17+250	2522.827	2523.045
17+275	2522.863	2523.662
17+300	2524.358	2524.280
17+325	2524.922	2524.523
17+350	2523.995	2523.850
17+375	2521.555	2522.257
17+400	2519.961	2519.937
17+425	2518.964	2517.559
17+450	2514.742	2515.216
17+475	2512.897	2513.427
17+500	2511.770	2512.368
17+525	2512.517	2512.038

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 17+170.00 - 17+530.00 DWG NO: CEC/HWR/RRDP/N-CHT-0/PP/ 18
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						



STATION	N.S.L	F.R.L
17+530	2511.951	2512.035
17+550	2511.924	2512.022
17+575	2511.698	2512.006
17+600	2511.593	2511.990
17+625	2511.790	2511.966
17+650	2511.564	2511.830
17+675	2511.667	2511.591
17+700	2510.887	2511.348
17+725	2510.623	2511.105
17+750	2510.373	2510.990
17+775	2510.995	2511.400
17+800	2512.524	2512.080
17+825	2512.532	2512.760
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17+875	2513.637	2514.120

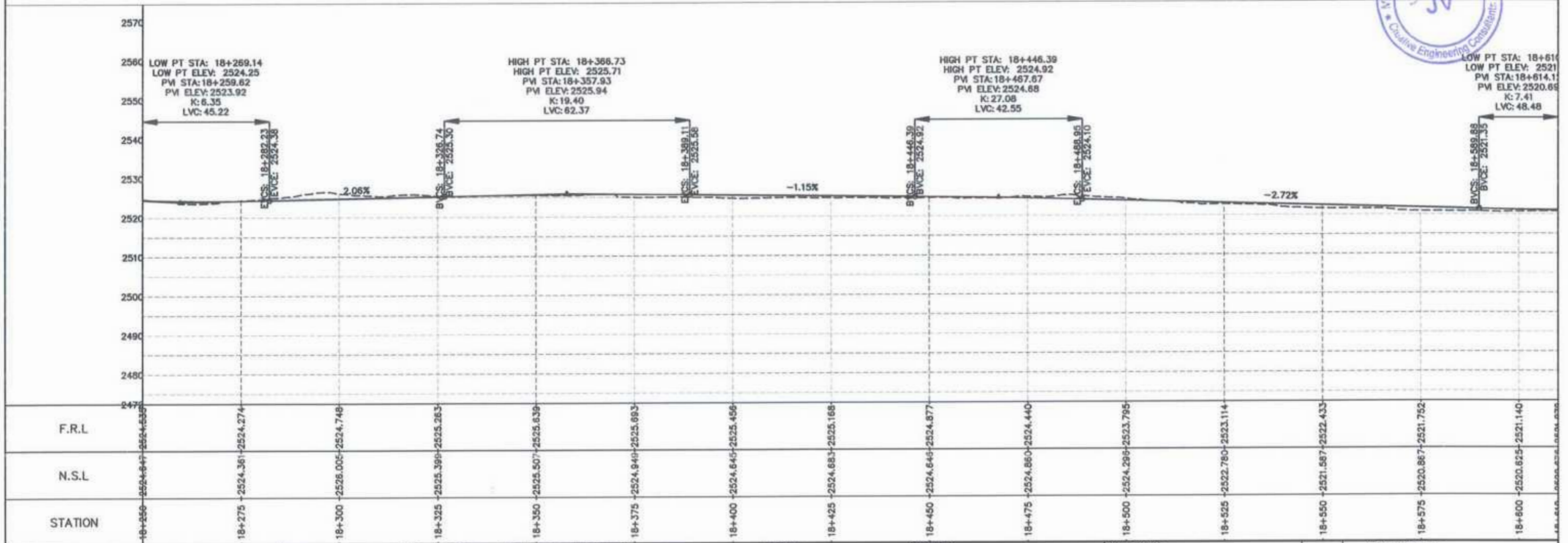
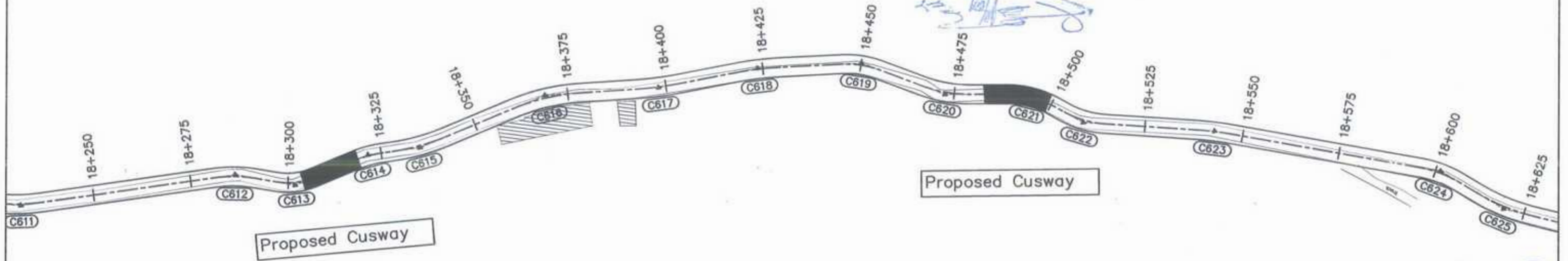
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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT	<p>N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED</p>	<p>H=1:1000 DATE: Aug 2024.</p>	<p>PLAN & PROFILE 17+530.00 - 17+890.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 19</p>
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			



<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					REHMAT
		a			DRAWN					INAM ULLAH
		b			CHECKED					S-DURRANI
			c		APPROVED	AQEEL YOUNIS				

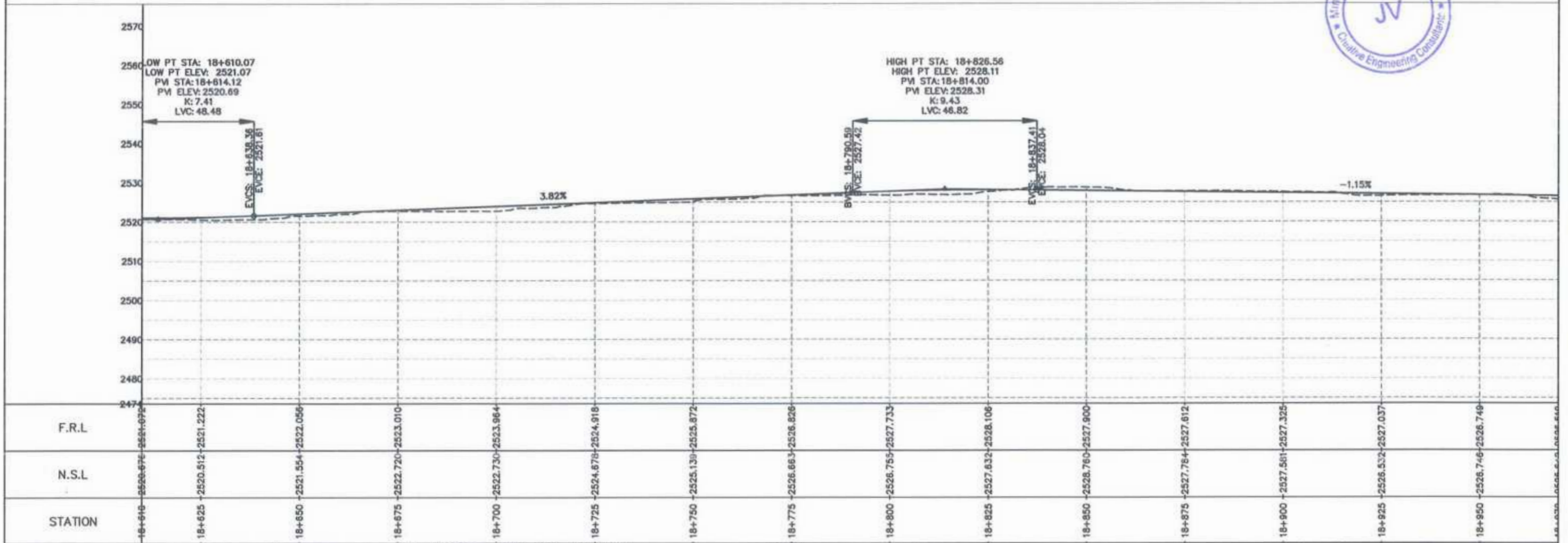
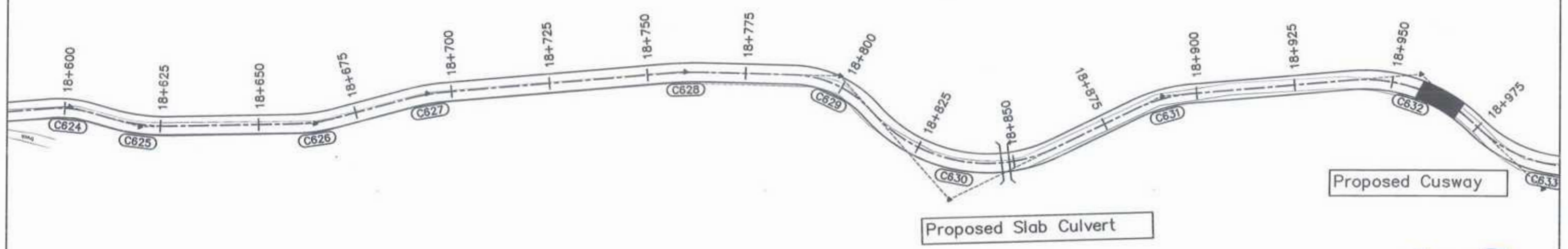
PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)
ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH
SCALE: H=1:1000
DATE: Aug 2024
SHEET CONTENT: PLAN & PROFILE 17+890.00 - 18+250.00
DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 20

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



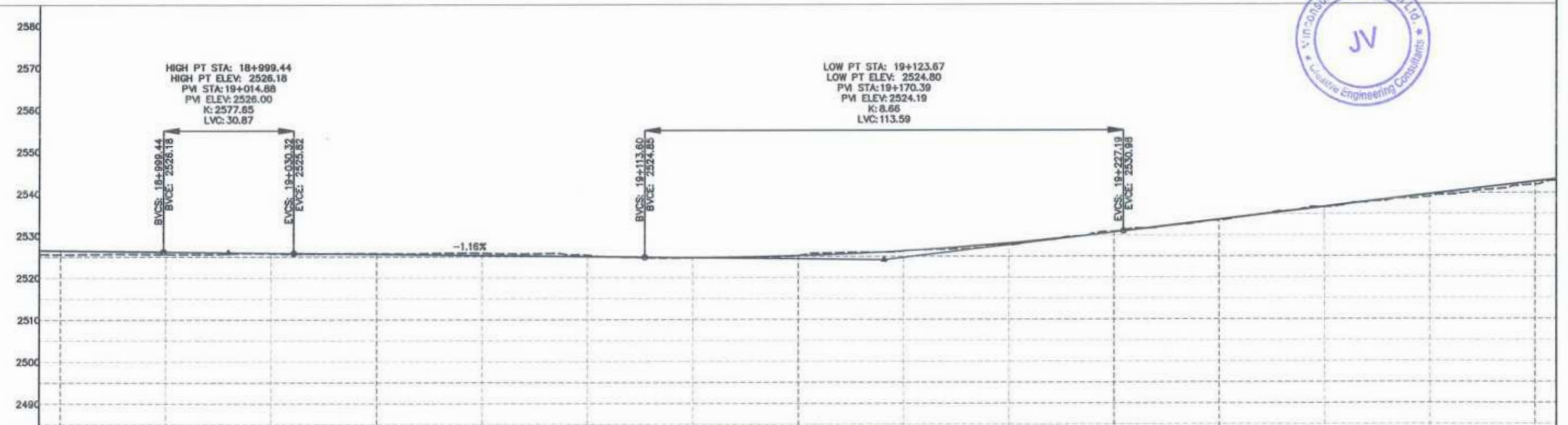
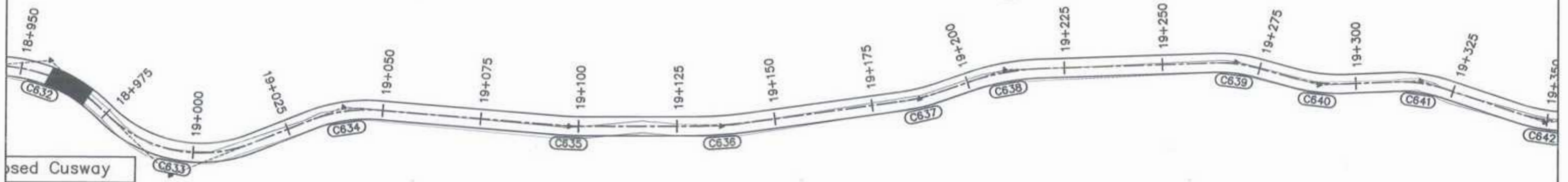
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024.	PLAN & PROFILE 18+250.00 - 18+610.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 21
		e			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)			

Project Director (PIU)
 Provincial Roads Improvement Project



<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	REHMAT			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000
		a			DRAWN	INAM ULLAH						DATE:
		b			CHECKED	S-DURRANI						Aug 2024
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/							

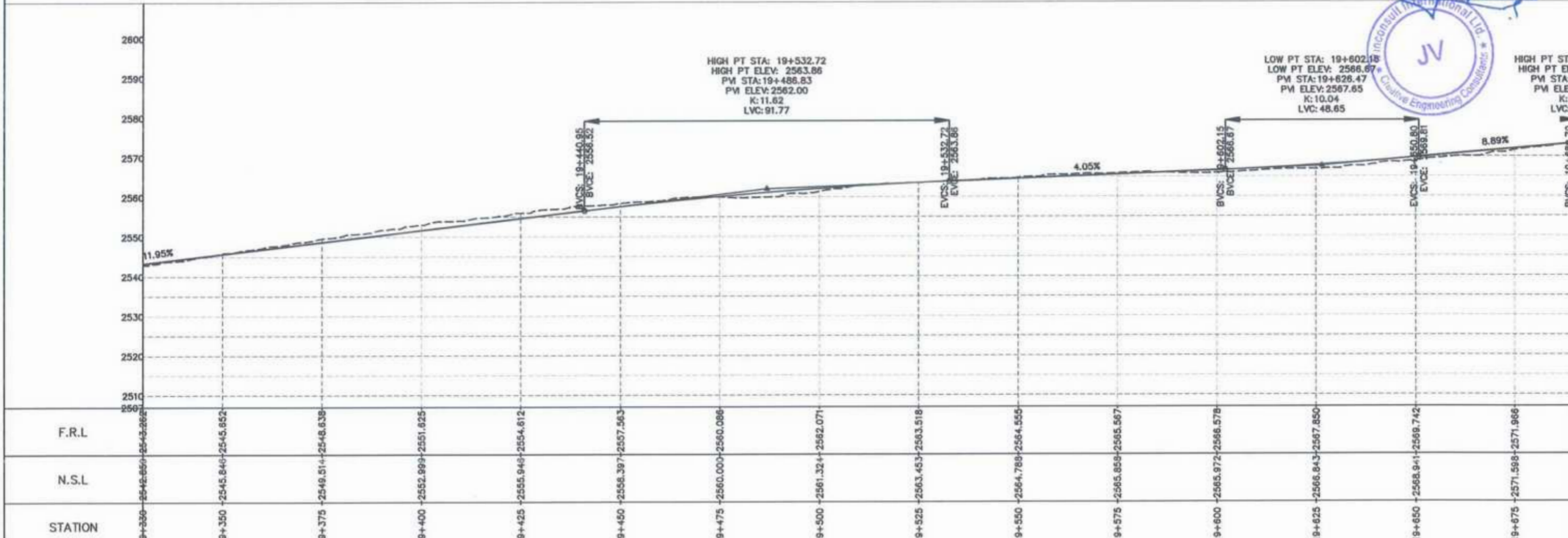
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



STATION	N.S.L	F.R.L
18+970	2525.642	2525.619
18+975	2525.536	2525.481
19+000	2525.575	2526.174
19+025	2525.757	2525.885
19+050	2525.794	2525.594
19+075	2525.848	2525.303
19+100	2525.372	2525.013
19+125	2524.711	2524.797
19+150	2525.083	2525.196
19+175	2526.329	2526.316
19+200	2527.719	2528.158
19+225	2530.887	2530.721
19+250	2533.465	2533.705
19+275	2536.817	2536.691
19+300	2539.043	2539.676
19+325	2541.932	2542.665

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 18+970.00 - 19+330.00
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AOEEL YOUNIS			DWG NO: CEC/HW/RRDP/N-CHT-6/PP/	
					23					

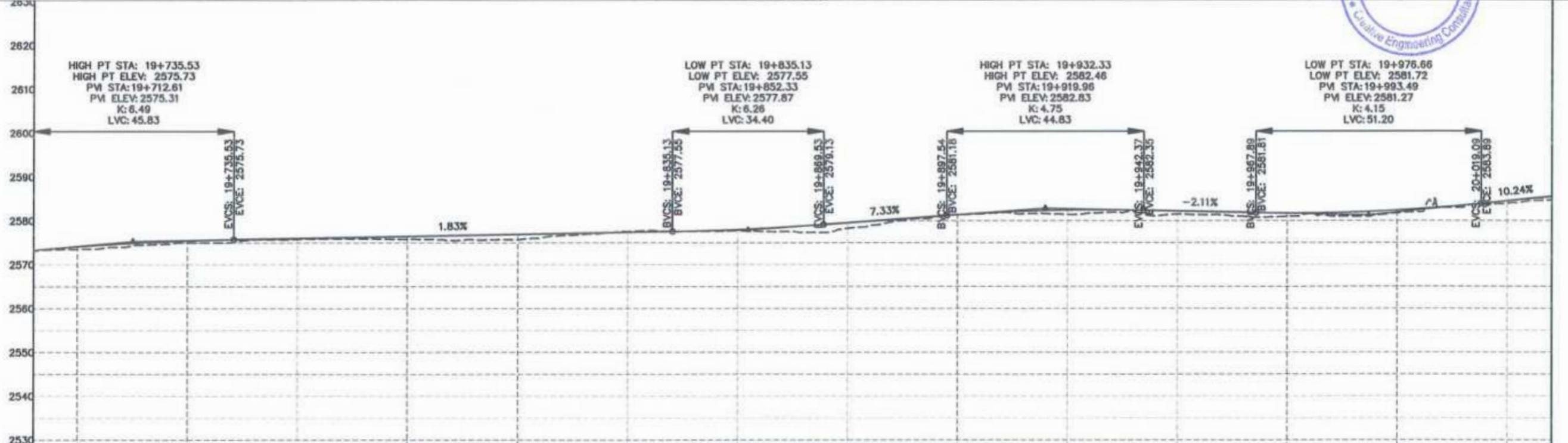
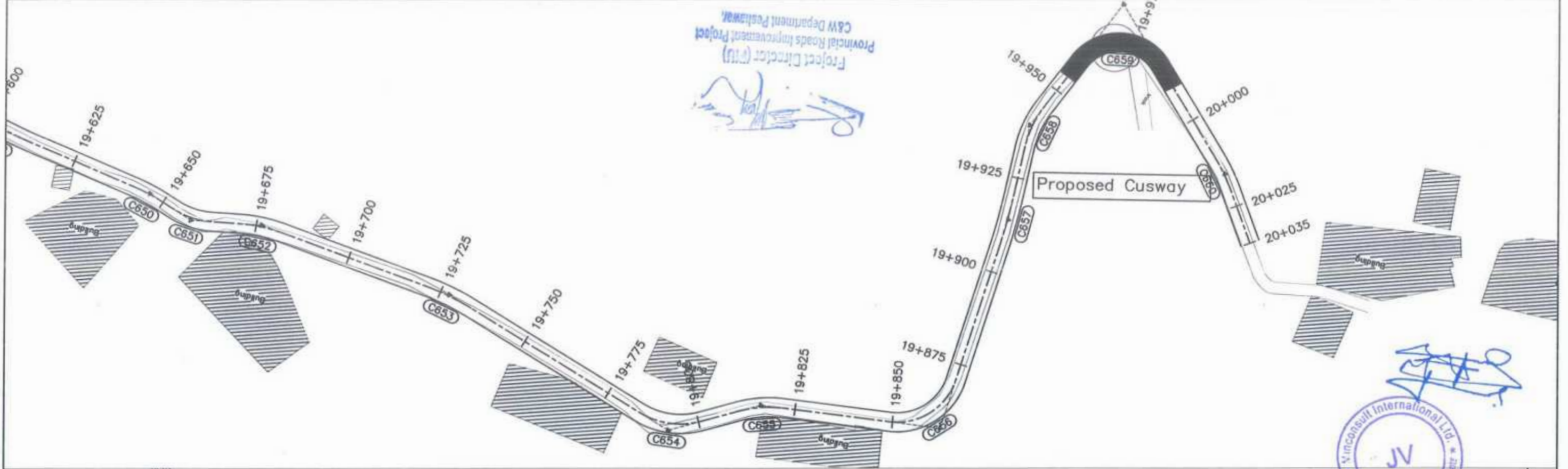
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



<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					REHMAT
		a			DRAWN					IRAM ULLAH
		b			CHECKED					S-DURRANI
					APPROVED	AQEEL YOUNIS				

PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)
 ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH
 SCALE: H=1:1000
 DATE: Aug 2024
 SHEET CONTENT: PLAN & PROFILE 19+330.00 - 19+690.00
 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 24

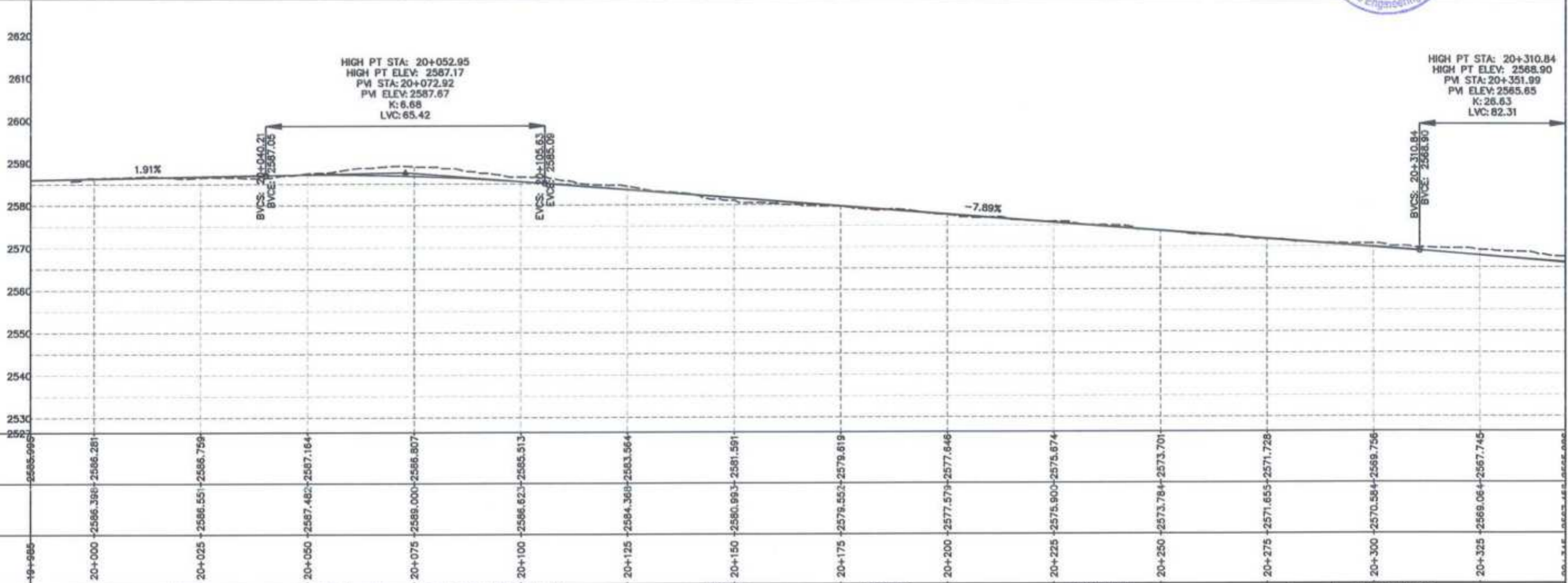
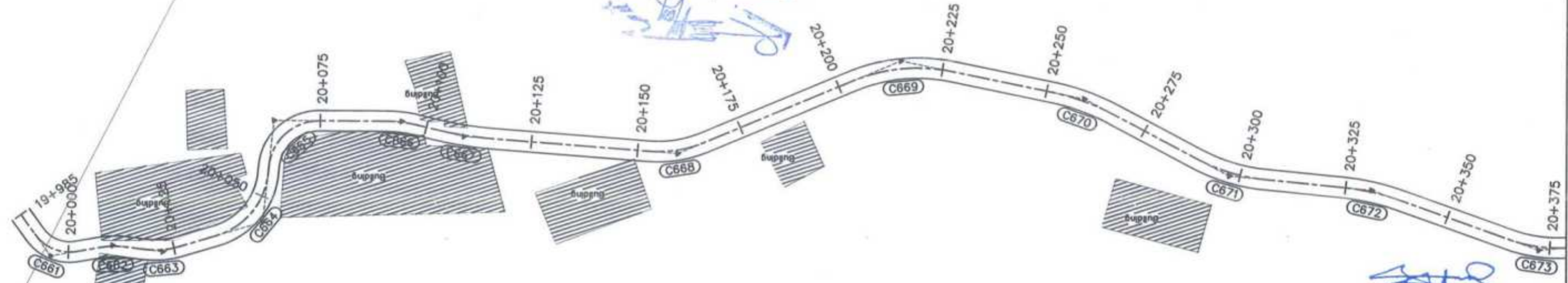
Project Director (PIU)
C&W Department Peshawar



F.R.L	19+690	19+700	19+725	19+750	19+775	19+800	19+825	19+850	19+875	19+900	19+925	19+950	19+975	20+000	20+025	20+035
N.S.L	2573.366	2574.108	2575.453	2575.996	2576.453	2576.911	2577.369	2577.827	2578.285	2581.356	2582.401	2582.190	2581.722	2582.376	2584.496	2585.524
STATION	19+690	19+700	19+725	19+750	19+775	19+800	19+825	19+850	19+875	19+900	19+925	19+950	19+975	20+000	20+025	20+035

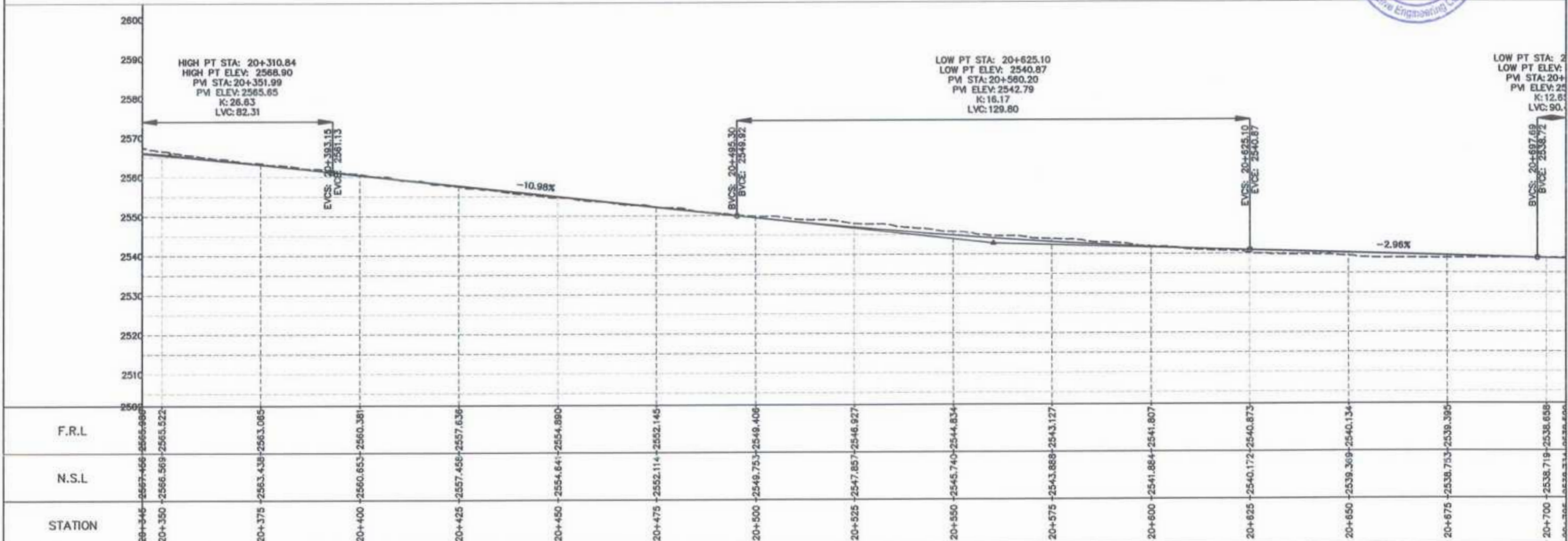
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-8 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	19+690.00 - 20+035.14
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
										DATE:	DWG NO: CEC/HW/RRDP/N-CHT-8/PP/			
										Aug 2024	25			

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



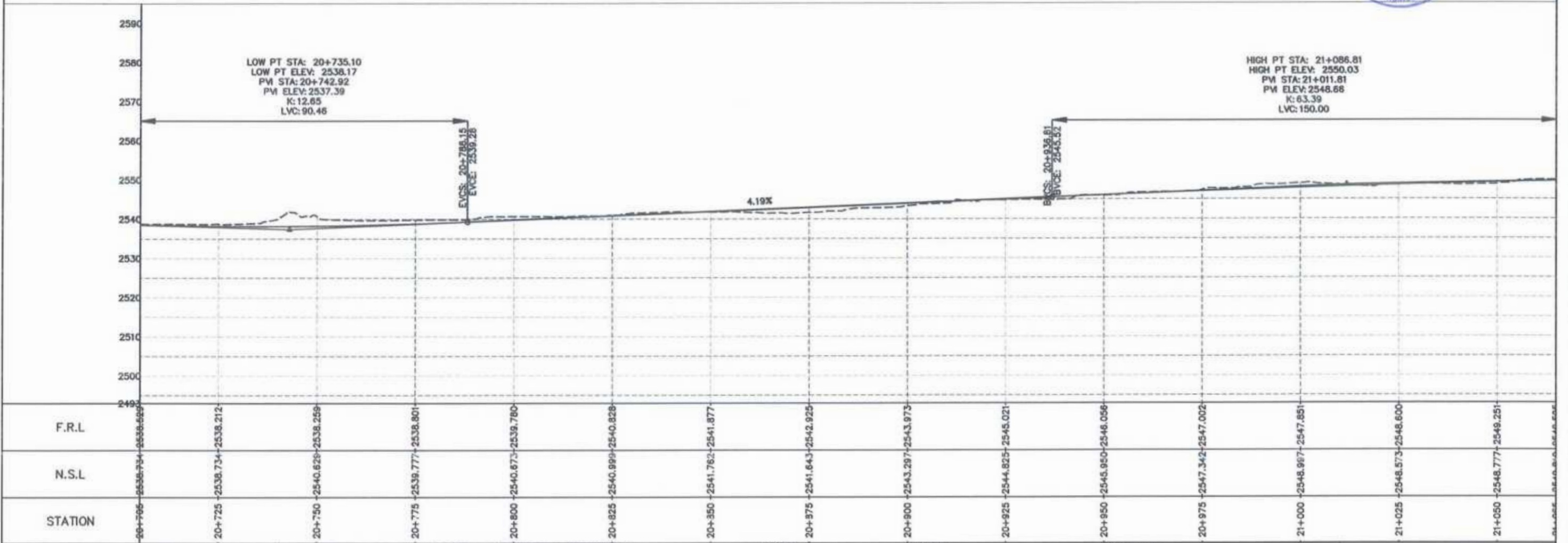
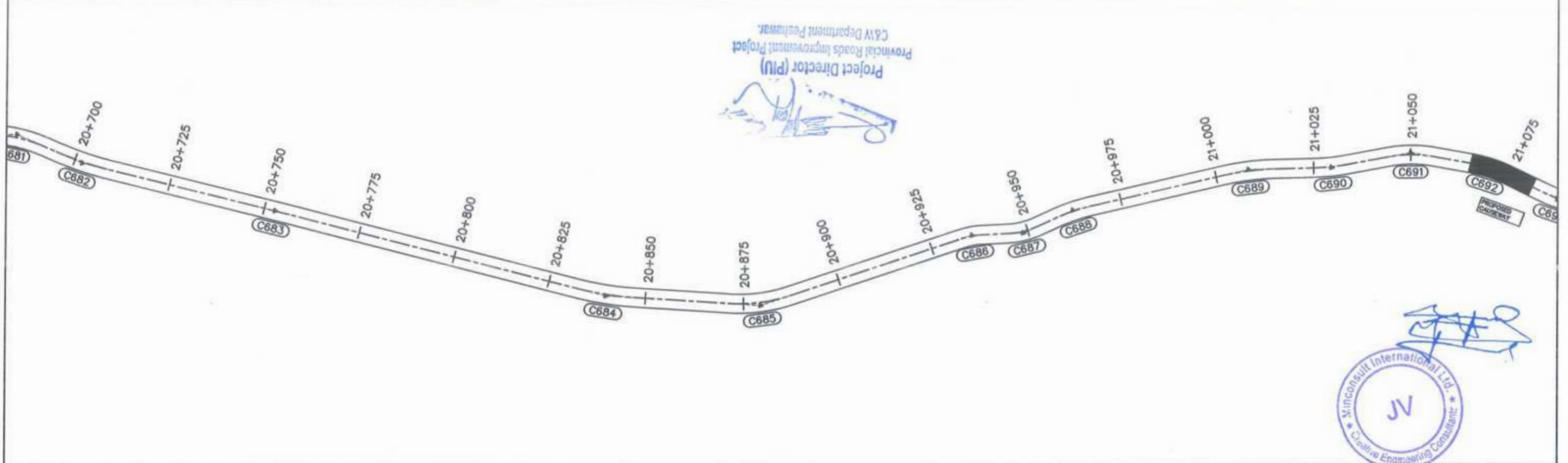
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H:1:1000	PLAN & PROFILE 19+985.00 - 20+345.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 1	
		a			DRAWN	INAM ULLAH		DATE:		
		b			CHECKED	S-DURRANI		Aug 2024		
c			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)	MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	SCALE:	SHEET CONTENT: PLAN & PROFILE 20+345.00 - 20+705.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 2	
		0	Aug 2024	Tender Drawings.	G.DESIGNED			REHMAT		H=1:1000
		a			DRAWN			INAM ULLAH		DATE:
		b			CHECKED			S-DURRANI		Aug 2024
			c		APPROVED	AQEEL YOUNIS				

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



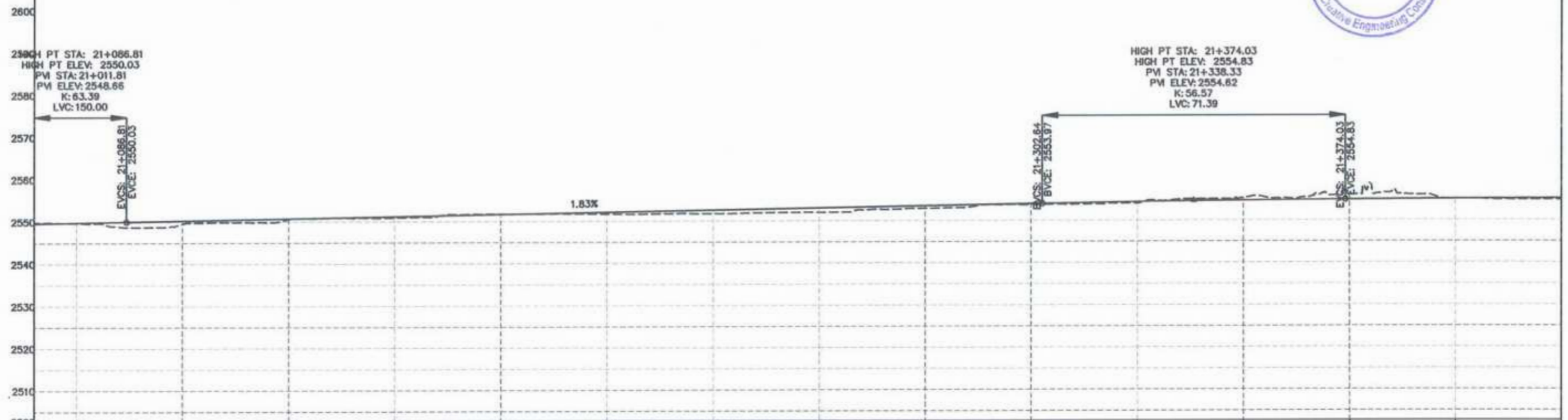
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20+725	2538.734	2538.212
20+750	2540.829	2538.259
20+775	2539.777	2538.801
20+800	2540.873	2539.780
20+825	2540.999	2540.828
20+850	2541.762	2541.877
20+875	2541.643	2542.925
20+900	2543.297	2543.973
20+925	2544.825	2545.021
20+950	2545.950	2546.056
20+975	2547.342	2547.002
21+000	2548.987	2547.851
21+025	2548.573	2548.600
21+050	2548.777	2548.251
21+075	2548.840	2548.656

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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 20+705.00 - 21+065.00 DWG NO: CEC/H/RRDP/N-CHT-6/PP/ 3
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
		c			APPROVED	AQEEL YOUNIS								

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



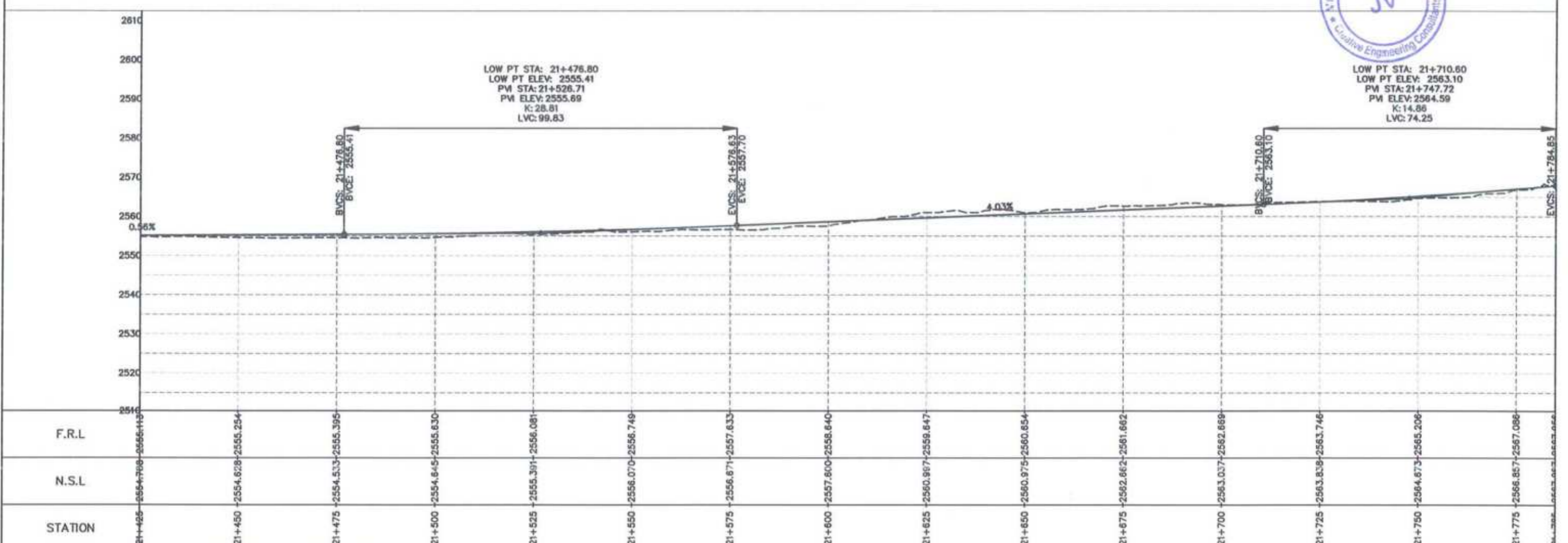
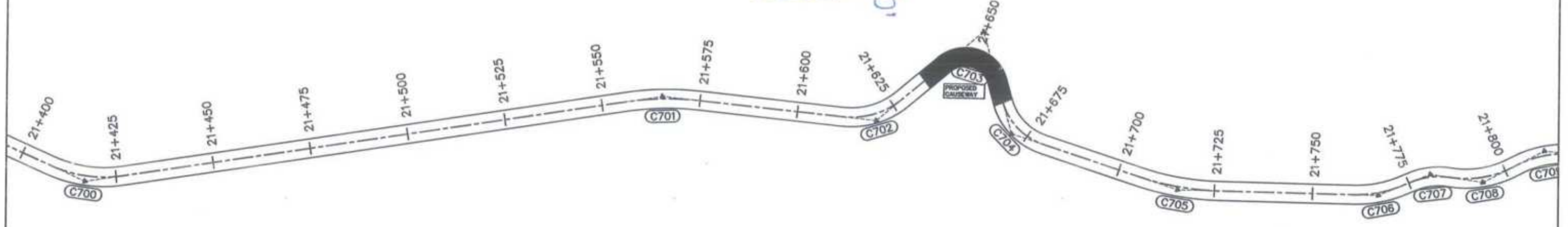
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N.S.L	2546.816	2549.723	2549.804	2550.563	2550.877	2551.741	2551.674	2551.732	2551.966	2552.864	2553.669	2554.000	2554.276	2554.000	2554.969	2554.969
STATION	21+066	21+075	21+100	21+125	21+150	21+175	21+200	21+225	21+250	21+275	21+300	21+325	21+350	21+375	21+400	

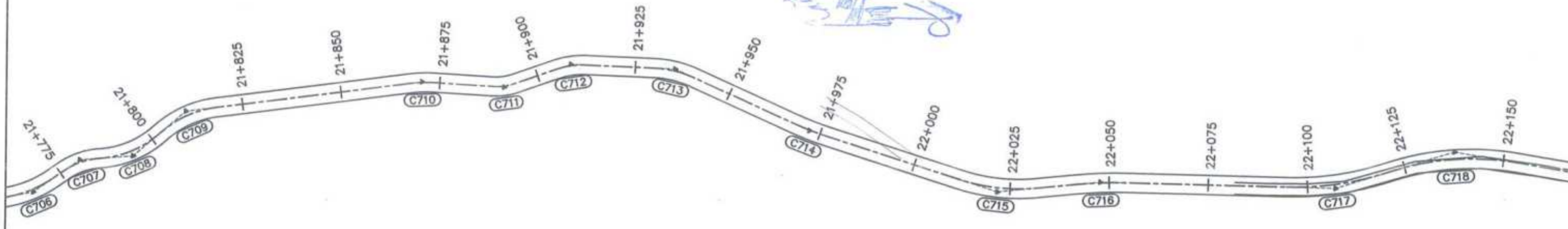
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:						
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 21+065.00 - 21+425.00		
		a			DRAWN	INAM ULLAH									Aug 2024	DWG NO: CEC/R/RRDP/N-CHT-6/PP/
		b			CHECKED	S-DURRANI										
c			APPROVED	AOEEL YOUNIS												

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

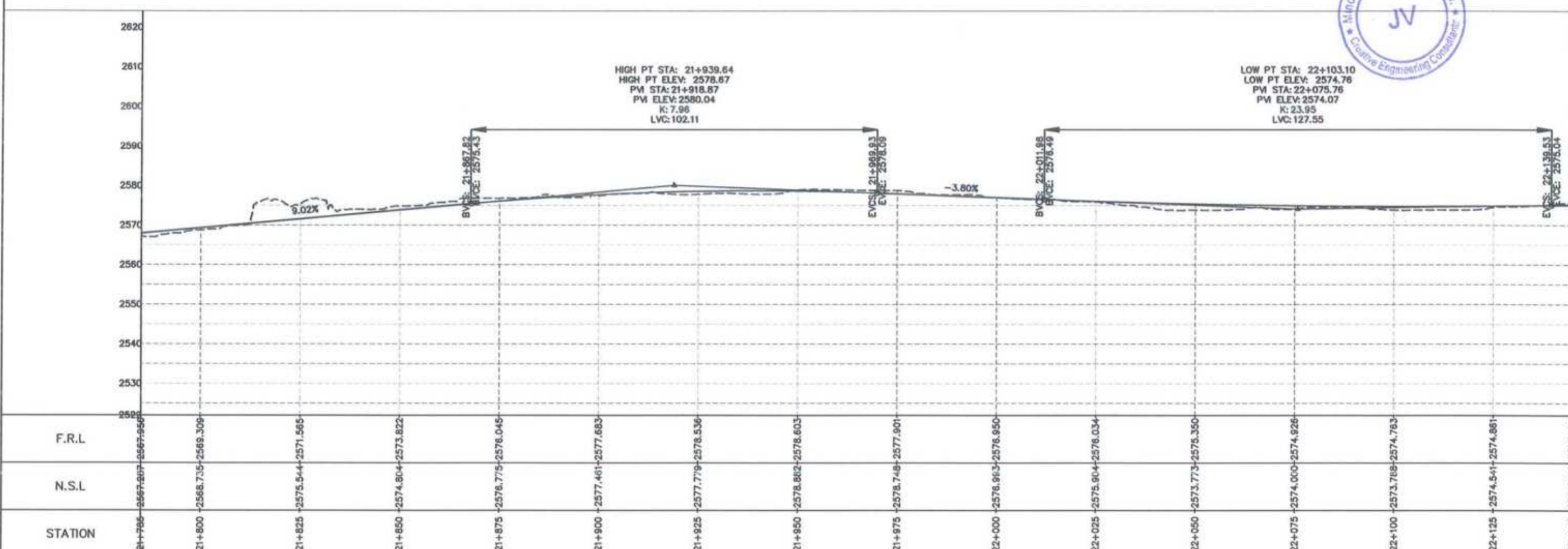


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 98935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	21+425.00 - 21+785.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
										DATE: Aug 2024	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 5			

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

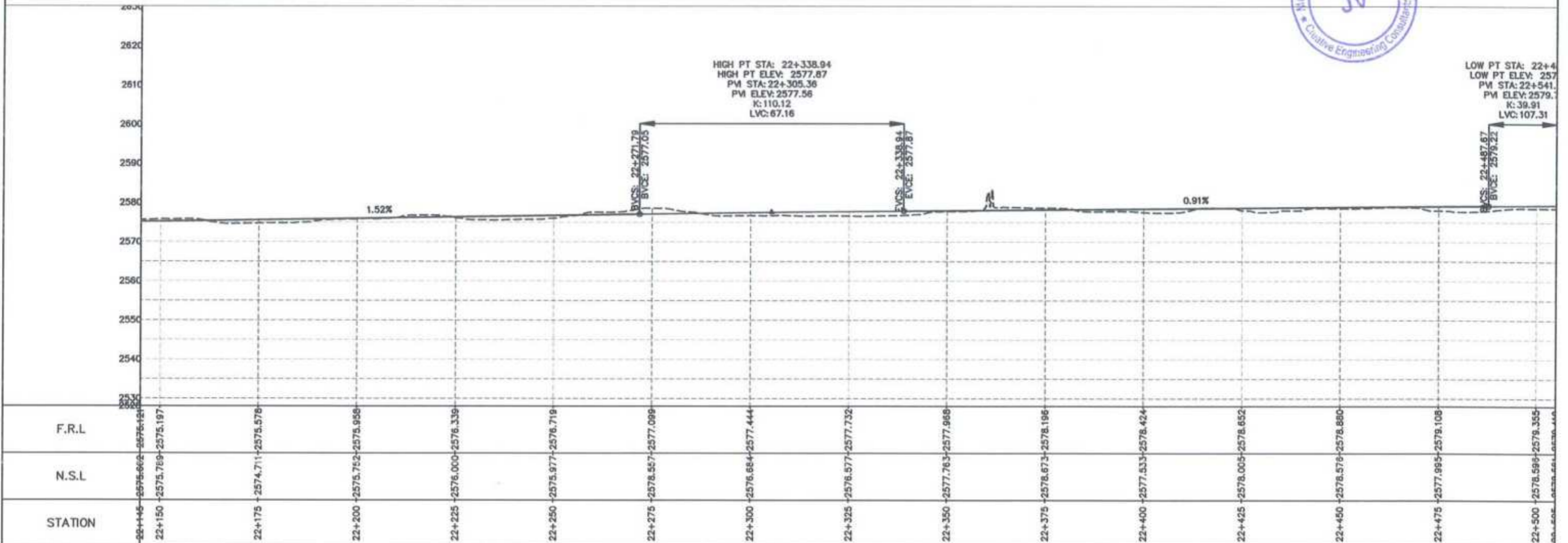
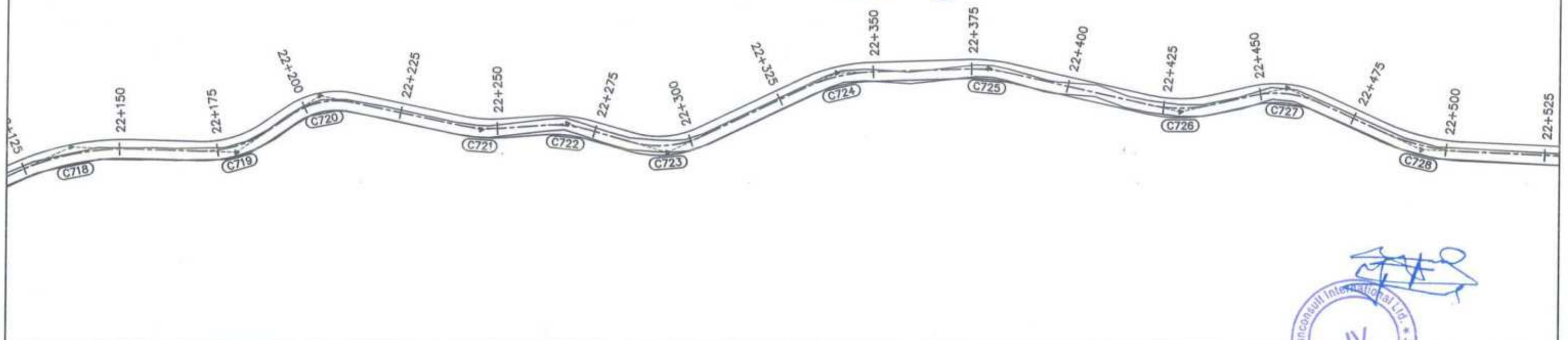


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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:			
		0	Aug 2024	Tender Drawings.	G. DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000
		a			DRAWN	INAM ULLAH							DATE:
		b			CHECKED	S-DURRANI							Aug 2024
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/RW/RRDP/N-CHT-6/PPV								

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

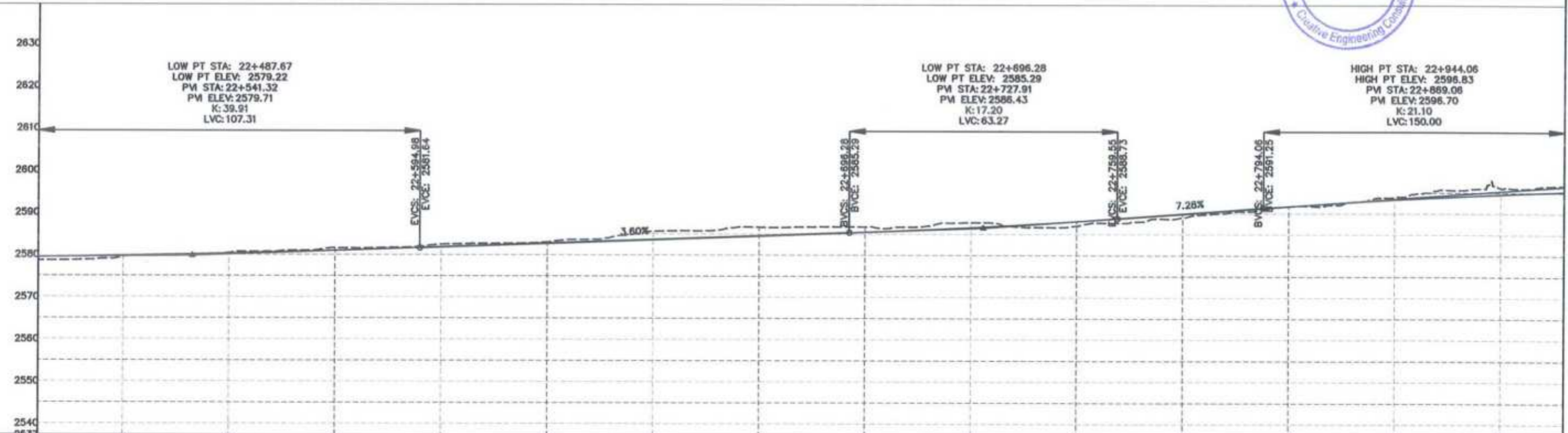
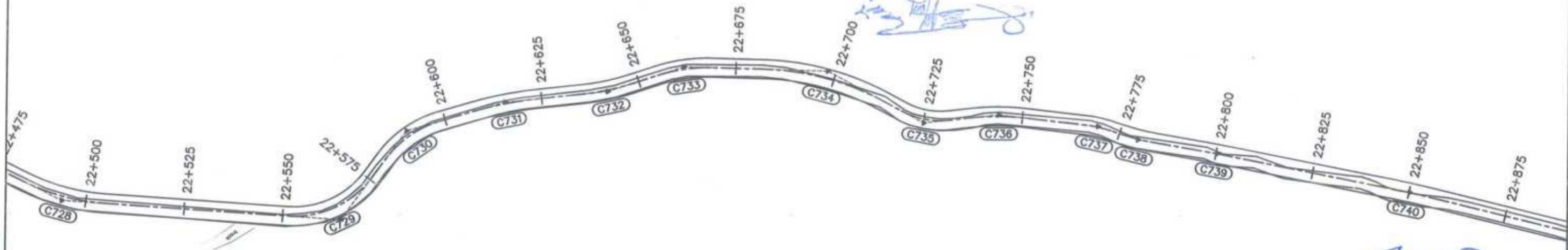


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 HIGH PT ELEV: 2577.87
 PM STA: 22+305.36
 PM ELEV: 2577.56
 K: 110.12
 LVC: 67.16

LOW PT STA: 22+440
 LOW PT ELEV: 2577.22
 PM STA: 22+541
 PM ELEV: 2579.1
 K: 39.91
 LVC: 107.31

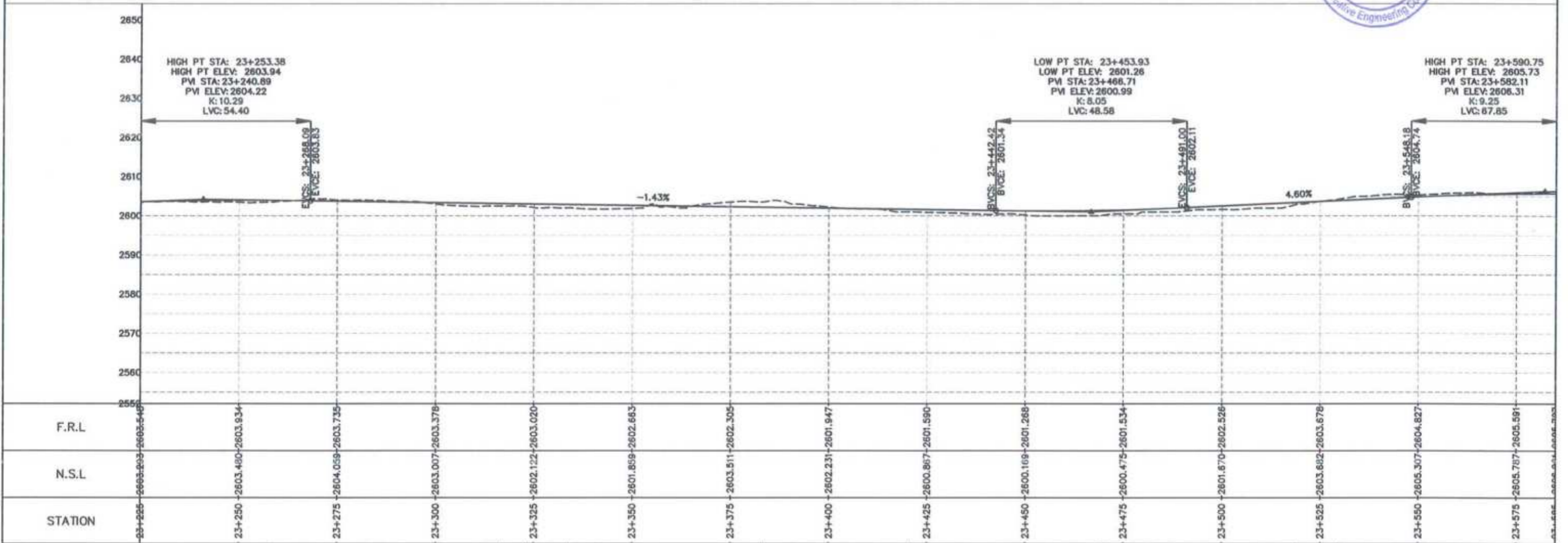
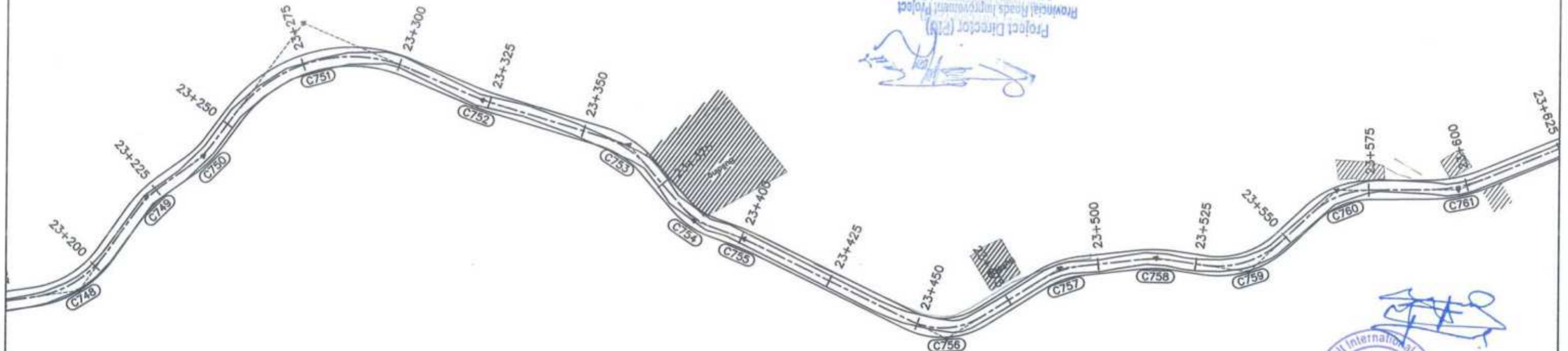
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0	DATE: Aug 2024	DESCRIPTION: Tender Drawings	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
					G.DESIGNED: REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 22+145.00 - 22+505.00 DWG NO: CEC/H/RRDP/N-CHT-6/PP/ 7
					DRAWN: INAM ULLAH				
					CHECKED: S-DURRANI				
			APPROVED: AQEEL YOUNIS						

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

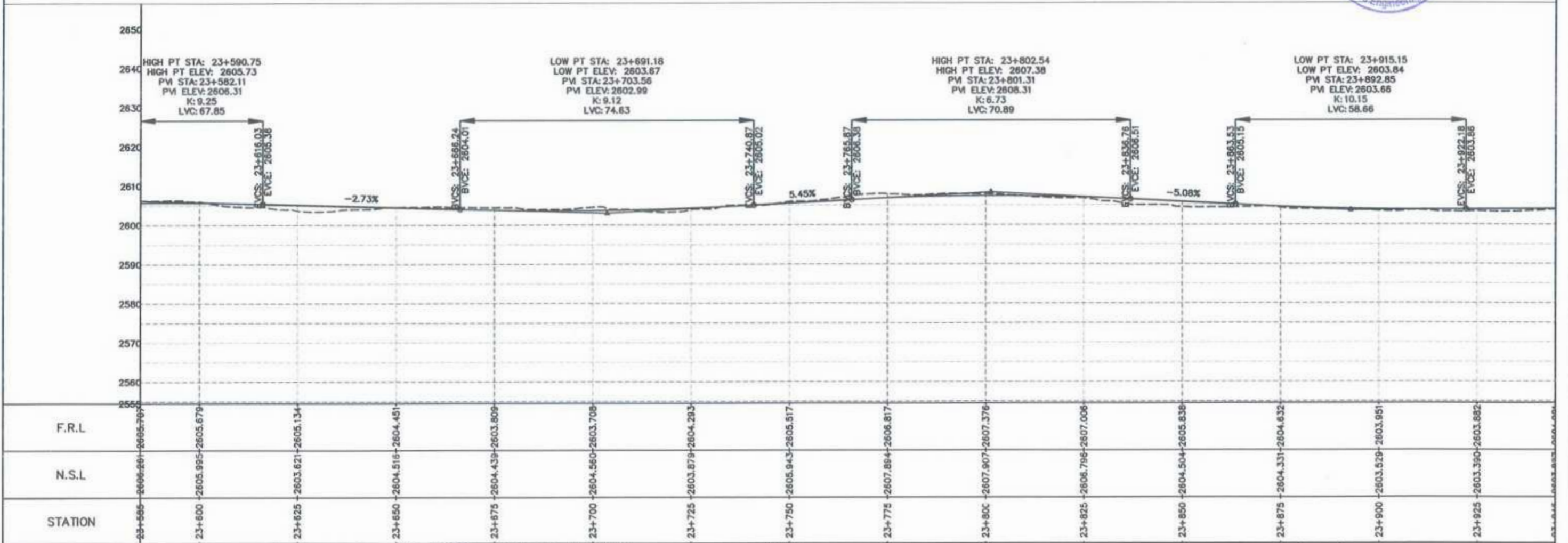
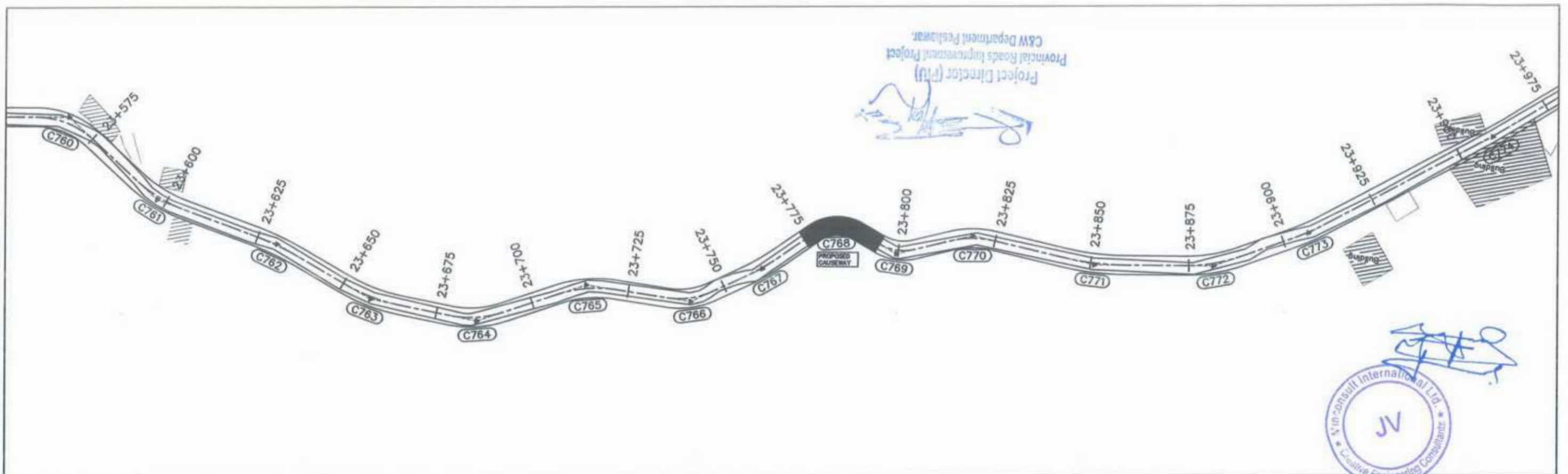


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N.S.L	2579.651	2579.452	2579.738	2580.371	2580.975	2582.467	2583.010	2583.626	2584.526	2585.674	2587.732	2588.566	2588.965	2588.991	2591.648	2591.669	2593.846	2593.270	2594.575	2595.045
STATION	22+505	22+525	22+550	22+575	22+600	22+625	22+650	22+675	22+700	22+725	22+750	22+775	22+800	22+825	22+850	22+875	22+900	22+925	22+950	22+975

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. 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 22+505.00 - 22+865.00 DWG NO: CEC/WR/RRDP/N-CHT-6/PP/
		a			DRAWN	INAM ULLAH		DATE:	
		b			CHECKED	S-DURRANI		Aug 2024	
		c			APPROVED	AQEEL YOUNIS			



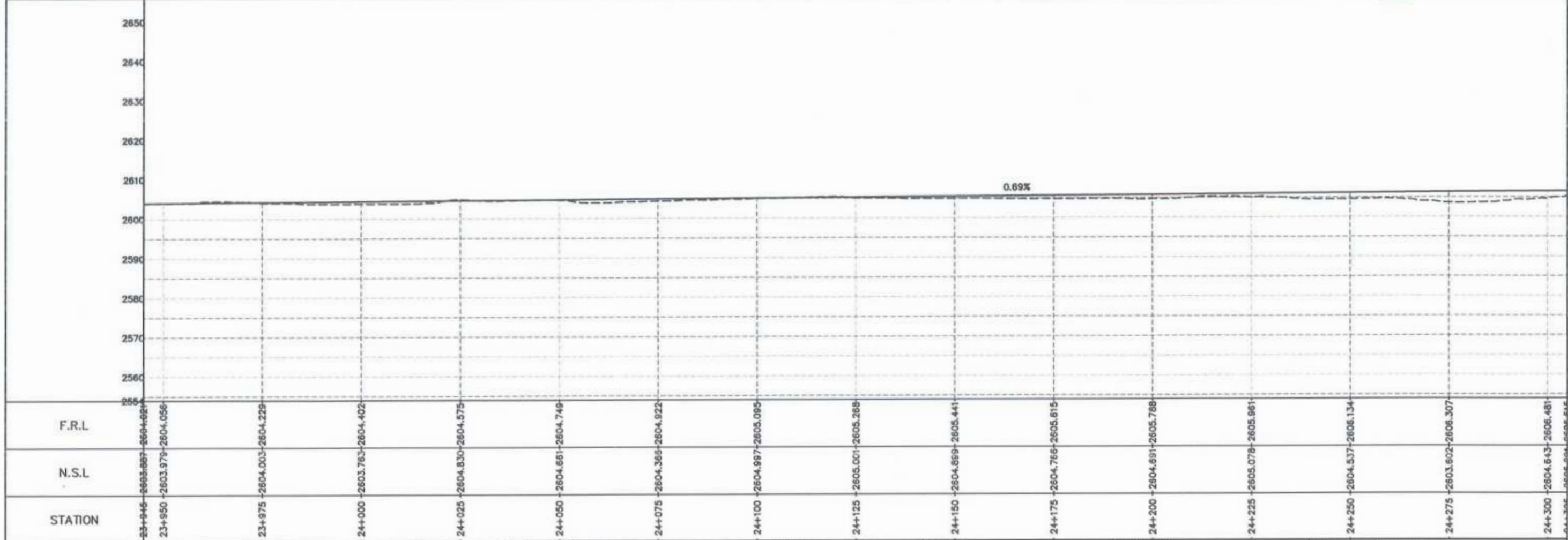
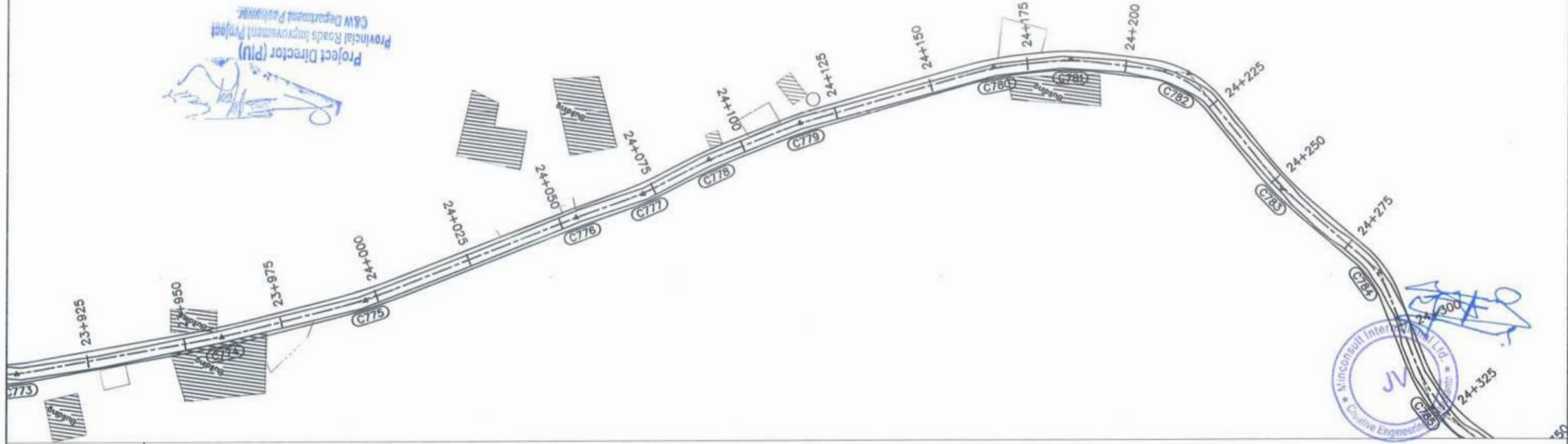
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings	G.DESIGNED	REHMAT	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	SCALE:	SHEET CONTENT: PLAN & PROFILE 23+225.00 - 23+585.00 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 10
		a			DRAWN	INAM ULLAH		H=1:1000	
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			



STATION	N.S.L	F.R.L
23+575	2606.461	2605.707
23+600	2605.995	2605.679
23+625	2603.621	2605.134
23+650	2604.515	2604.451
23+675	2604.439	2603.809
23+700	2604.560	2603.708
23+725	2603.879	2604.293
23+750	2605.943	2605.517
23+775	2607.854	2606.817
23+800	2607.907	2607.376
23+825	2606.796	2607.006
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23+900	2603.529	2603.951
23+925	2603.350	2603.882

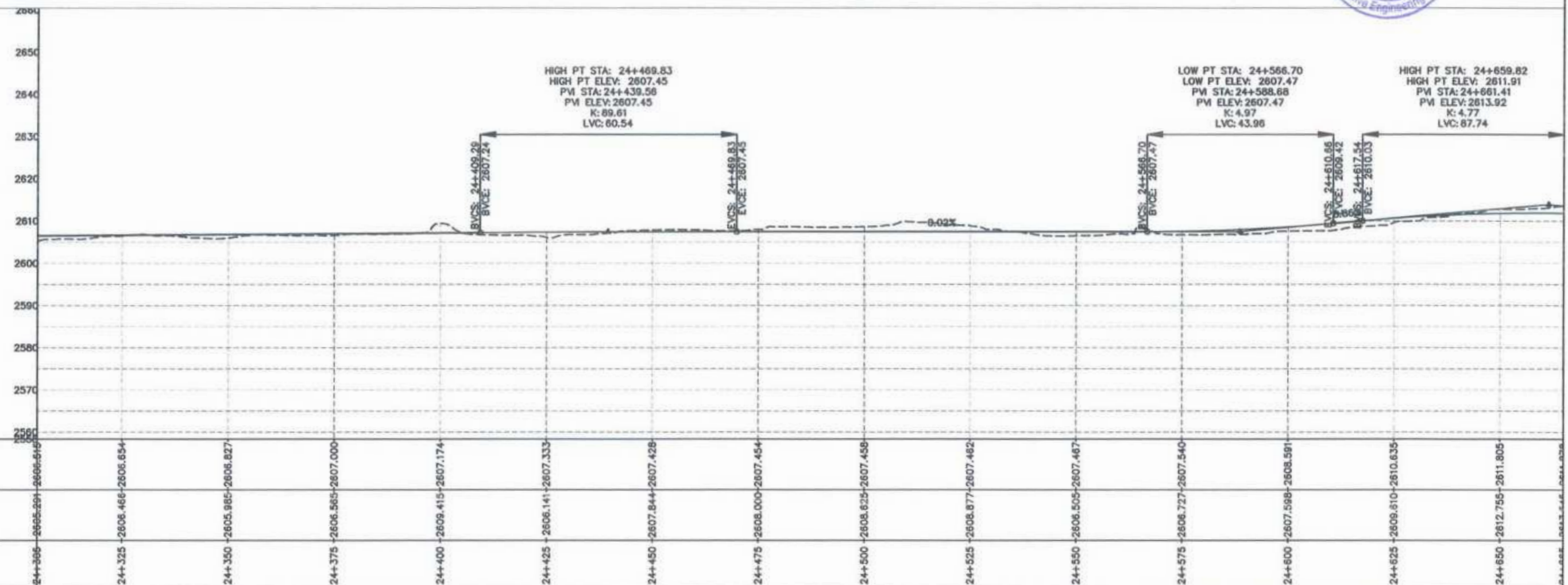
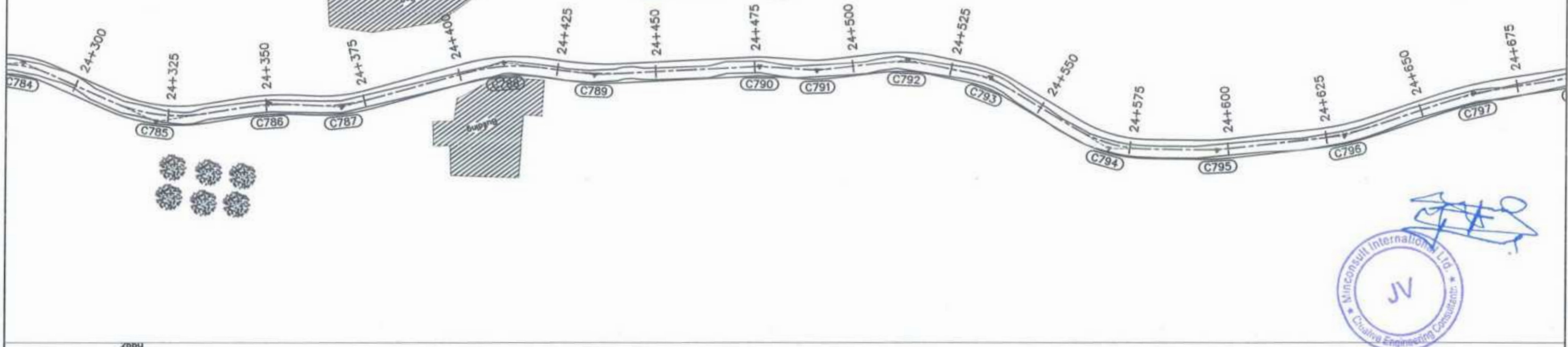
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0	DATE Aug 2024	DESCRIPTION Tender Drawings.	NAMES: G.DESIGNED: REHMAT DRAWN: INAM ULLAH CHECKED: S-DURRANI APPROVED: AQEEL YOUNIS		PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	SCALE: H=1:1000	SHEET CONTENT: PLAN & PROFILE 23+585.00 - 23+945.00 DWG NO: CEC/H/RRDP/N-CHT-6/PP/ 11
		a				DATE: Aug 2024				
		b								
		c								

Project Director (PIU)
 Provincial Roads Improvement Project
 G.W. Department Islamabad



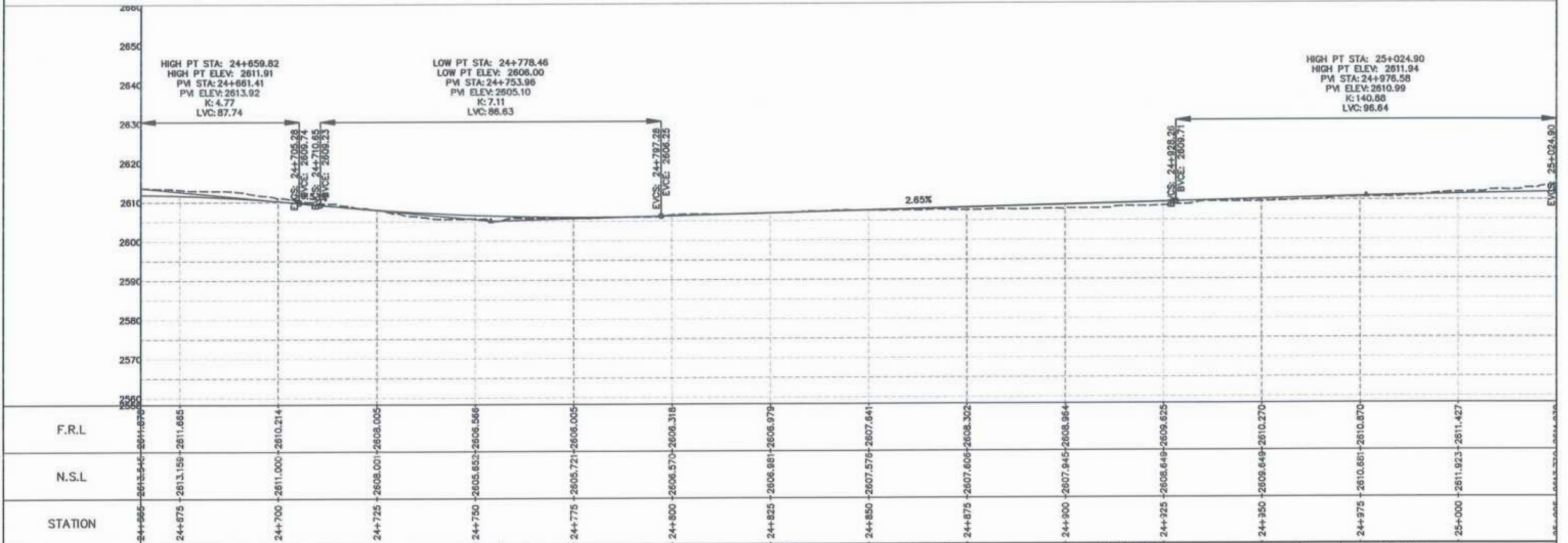
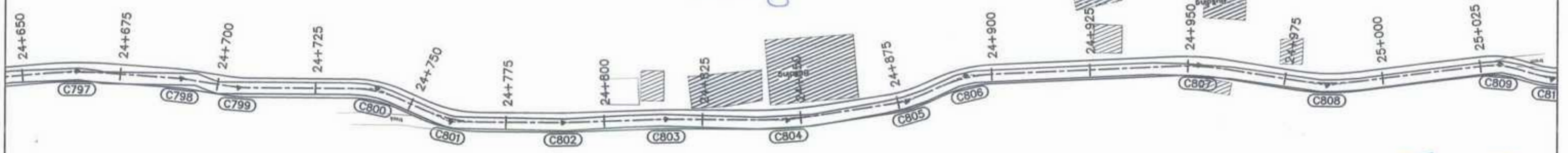
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:						
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 23+945.00 - 24+305.00		
		a			DRAWN	INAM ULLAH									Aug 2024	DWG NO: CEC/HWRRDP/N-CHT-6/PP/
		b			CHECKED	S-DURRANI										
c			APPROVED	AQEEL YOUNIS												

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



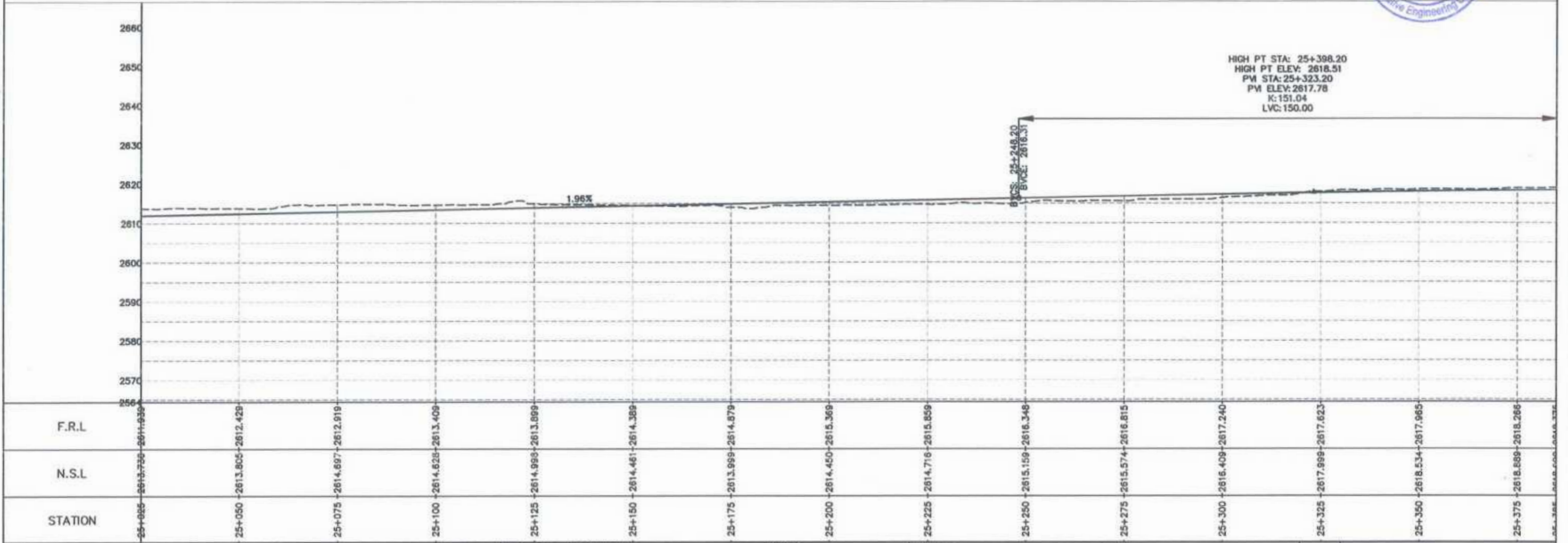
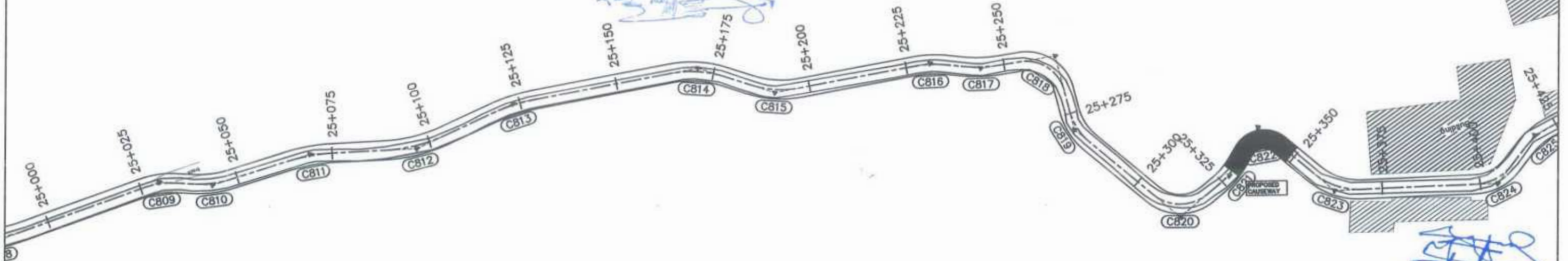
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
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		a			DRAWN: INAM ULLAH				
		b			CHECKED: S-DURRANI				
		c			APPROVED: AQEEL YOUNIS				

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>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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 24+665.00 - 25+025.00 DWG NO: CEC/HWRDP/N-CHT-6/PP/ 14	
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		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						

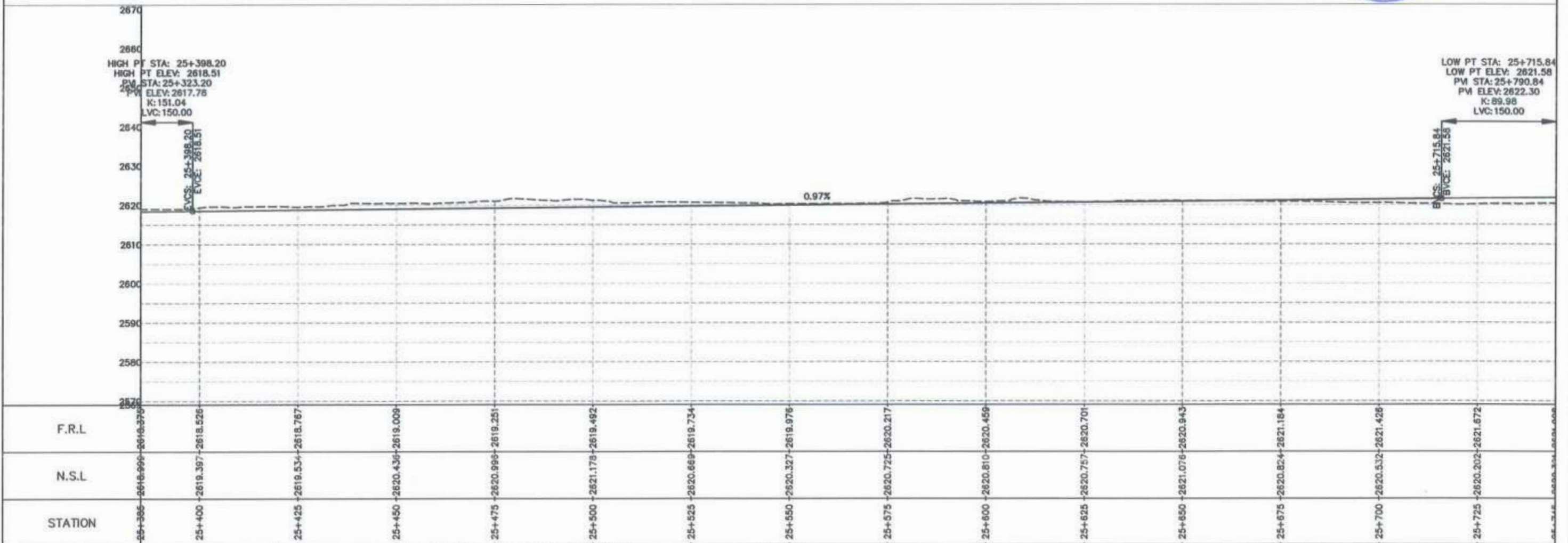
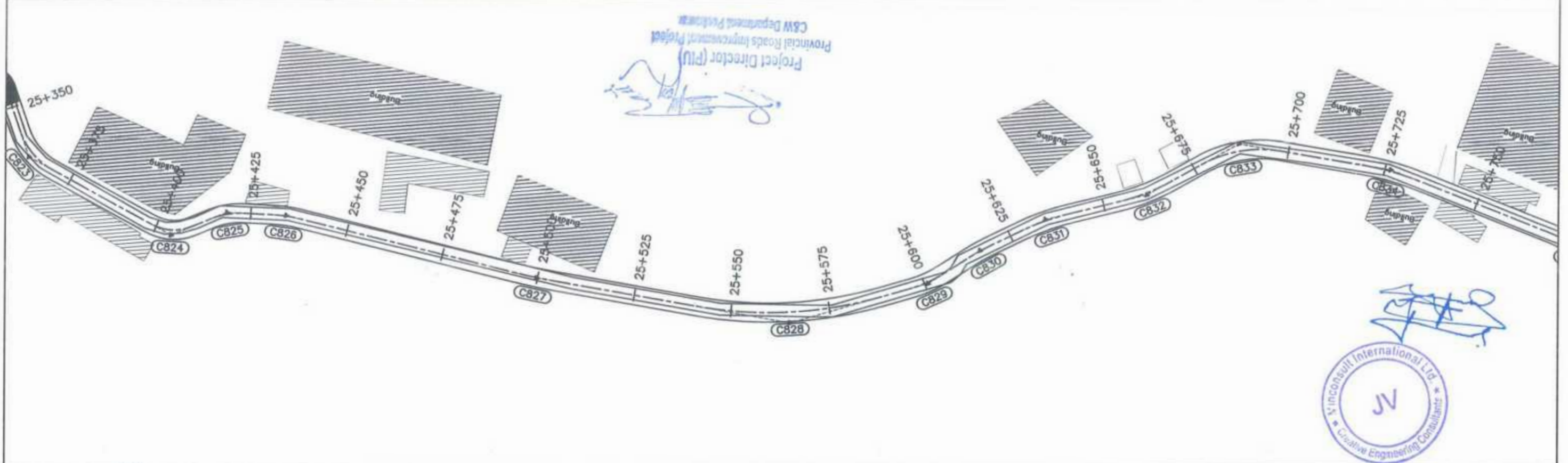
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



HIGH PT STA: 25+398.20
 HIGH PT ELEV: 2618.51
 PM STA: 25+323.20
 PM ELEV: 2617.78
 K: 151.04
 LVC: 150.00

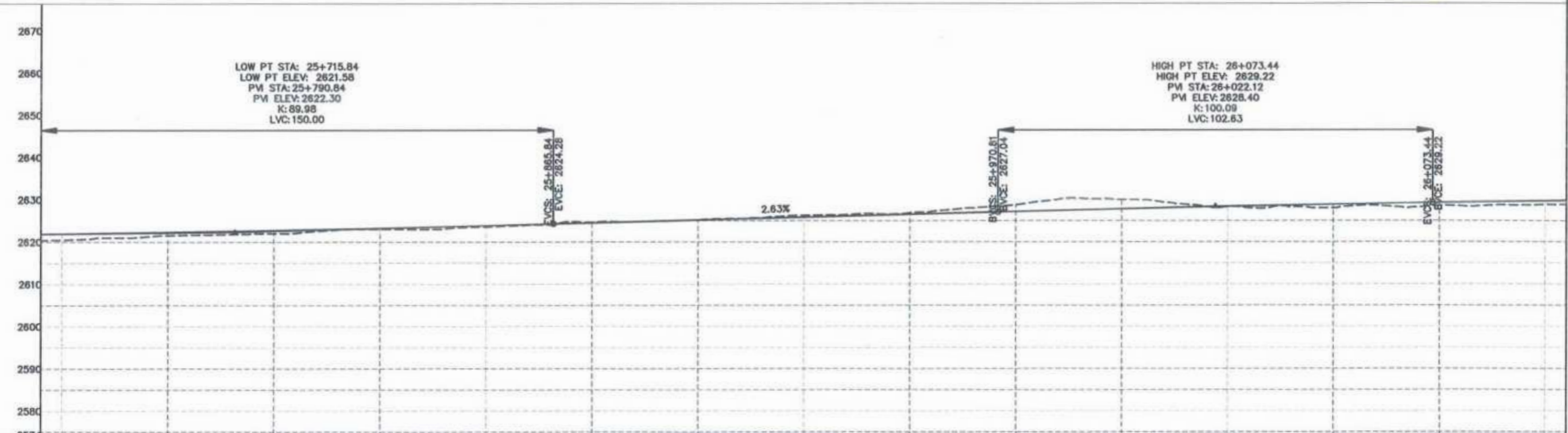
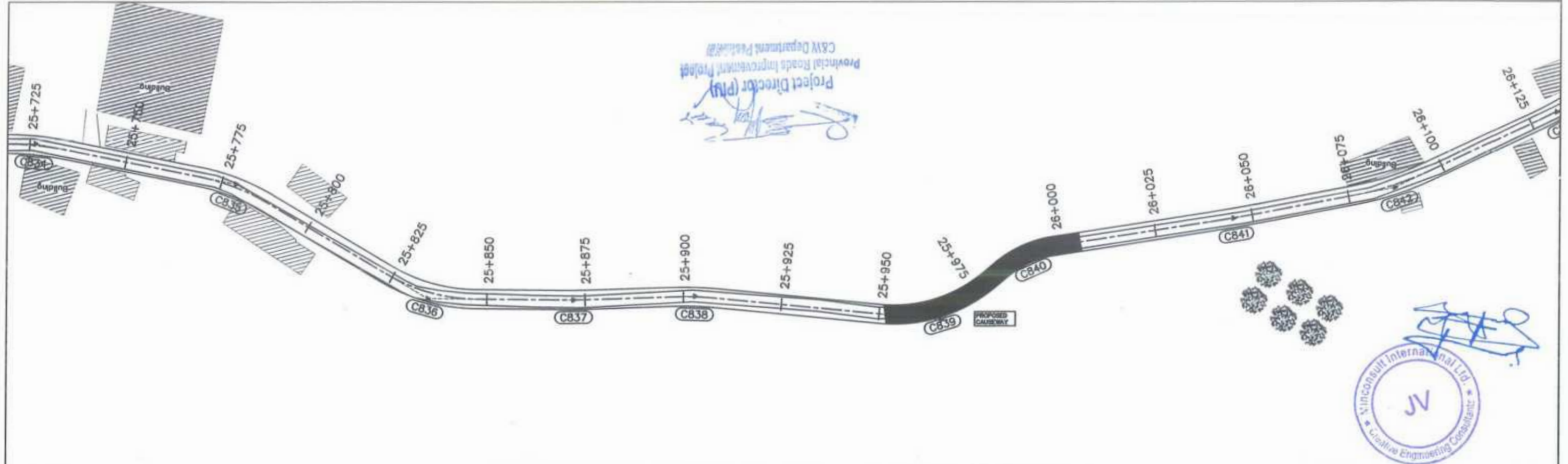
F.R.L	25+000	25+050	25+075	25+100	25+125	25+150	25+175	25+200	25+225	25+250	25+275	25+300	25+325	25+350	25+375
N.S.L	2613.750	2613.805	2614.697	2614.628	2614.993	2614.461	2613.999	2614.450	2614.716	2613.159	2615.574	2616.409	2617.999	2618.534	2618.899
STATION	25+000	25+050	25+075	25+100	25+125	25+150	25+175	25+200	25+225	25+250	25+275	25+300	25+325	25+350	25+375

<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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	25+025.00 - 25+385.00
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
										DATE:	DWG NO: CEC/HW/RRDP/N-CHT-6/PP/			
										Aug 2024	15			



<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 25+385.00 - 25+745.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 16
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	
		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024	
		c			APPROVED	AQEEL YOUNIS				

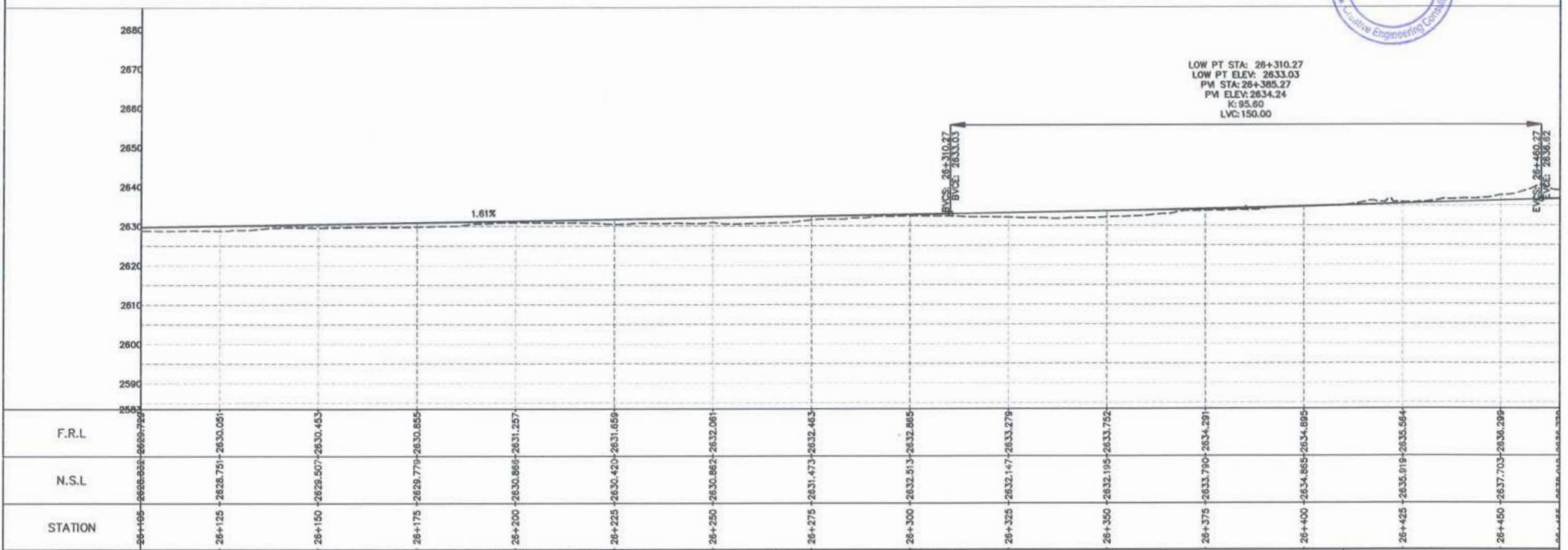
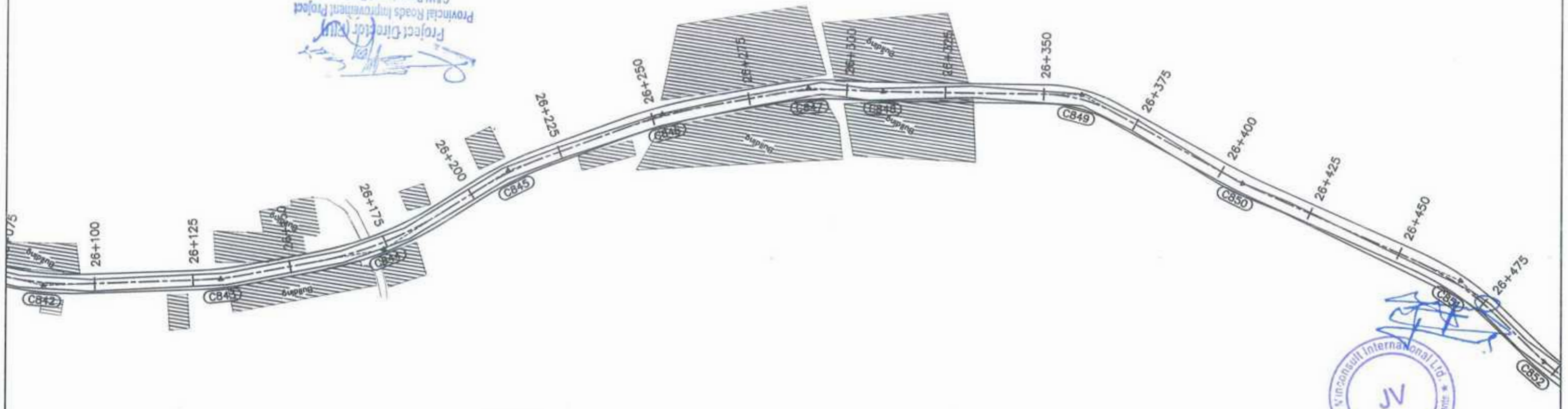
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Pakistan



F.R.L	25+745	25+750	25+775	25+800	25+825	25+850	25+875	25+900	25+925	25+950	25+975	26+000	26+025	26+050	26+075	26+100
N.S.L	2626.391	2620.473	2621.550	2621.990	2623.006	2623.517	2624.891	2625.245	2626.272	2626.866	2628.791	2630.007	2628.300	2628.001	2628.553	2628.530
STATION	25+745	25+750	25+775	25+800	25+825	25+850	25+875	25+900	25+925	25+950	25+975	26+000	26+025	26+050	26+075	26+100

<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	REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	N-CHT-6	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 25+745.00 - 26+105.00 DWG NO: CEC/NW/RRDP/N-CHT-6/PP/ 17
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
c			APPROVED	AQEEL YOUNIS						

Project Director
 Provincial Roads Improvement Project
 C&W Department Peshawar



STATION	N.S.L	F.R.L
26+100	2628.852	2629.759
26+125	2628.751	2630.051
26+150	2629.507	2630.453
26+175	2629.779	2630.855
26+200	2630.869	2631.257
26+225	2630.420	2631.659
26+250	2630.862	2632.061
26+275	2631.473	2632.463
26+300	2632.513	2632.865
26+325	2632.147	2633.279
26+350	2632.195	2633.752
26+375	2633.790	2634.291
26+400	2634.865	2634.895
26+425	2635.819	2635.564
26+450	2637.703	2636.299

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
0	Aug 2024	Tender Drawings.
a		
b		
c		

NAMES:
 G.DESIGNED: REHMAT
 DRAWN: INAM ULLAH
 CHECKED: S-DURRANI
 APPROVED: AQEEL YOUNIS

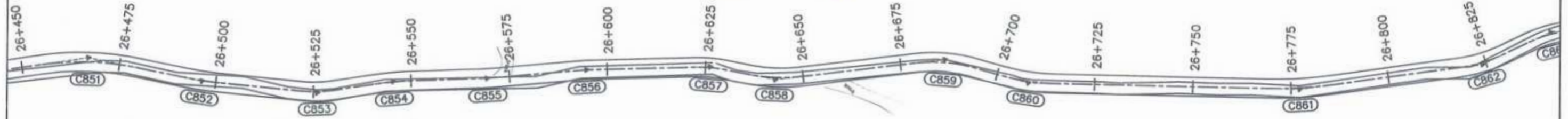
PROJECT:
KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)

ROAD NAME:
N-CHT-6
 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH
 FLOOD AFFECTED

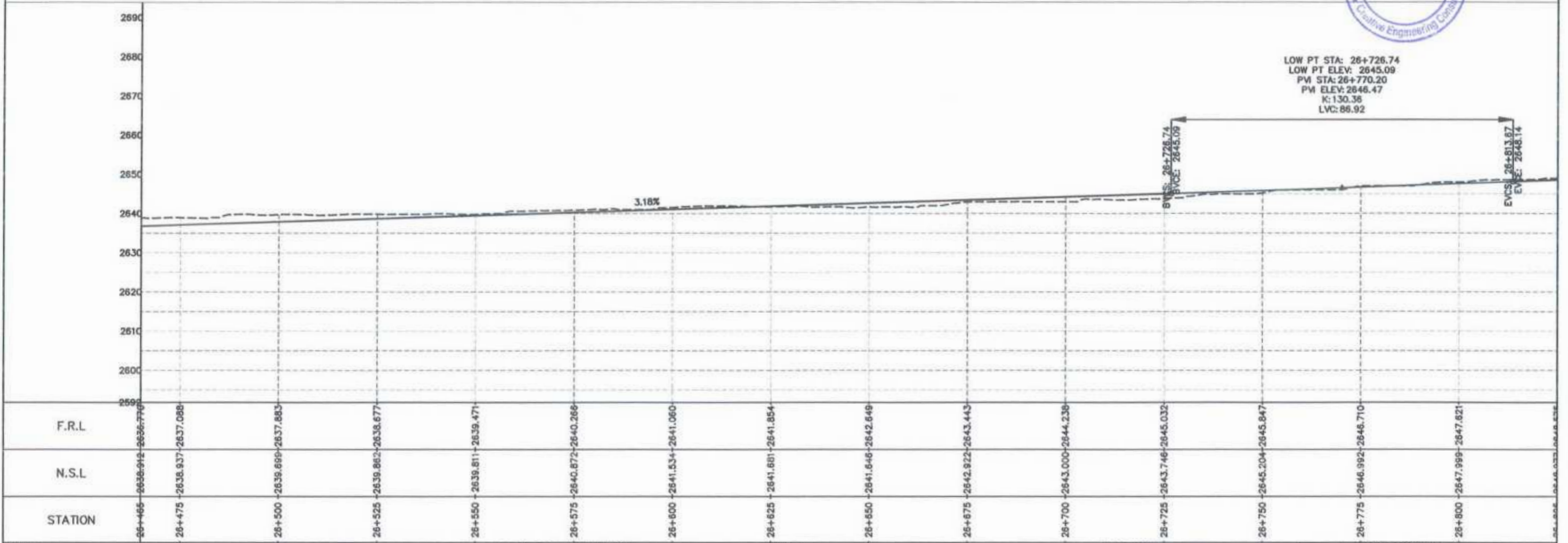
SCALE:
 H:1:1000
 DATE:
 Aug 2024

SHEET CONTENT:
 PLAN & PROFILE
 26+105.00 - 26+465.00
 DWG NO: CEC/RRDP/N-CHT-6/PP/ 18

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

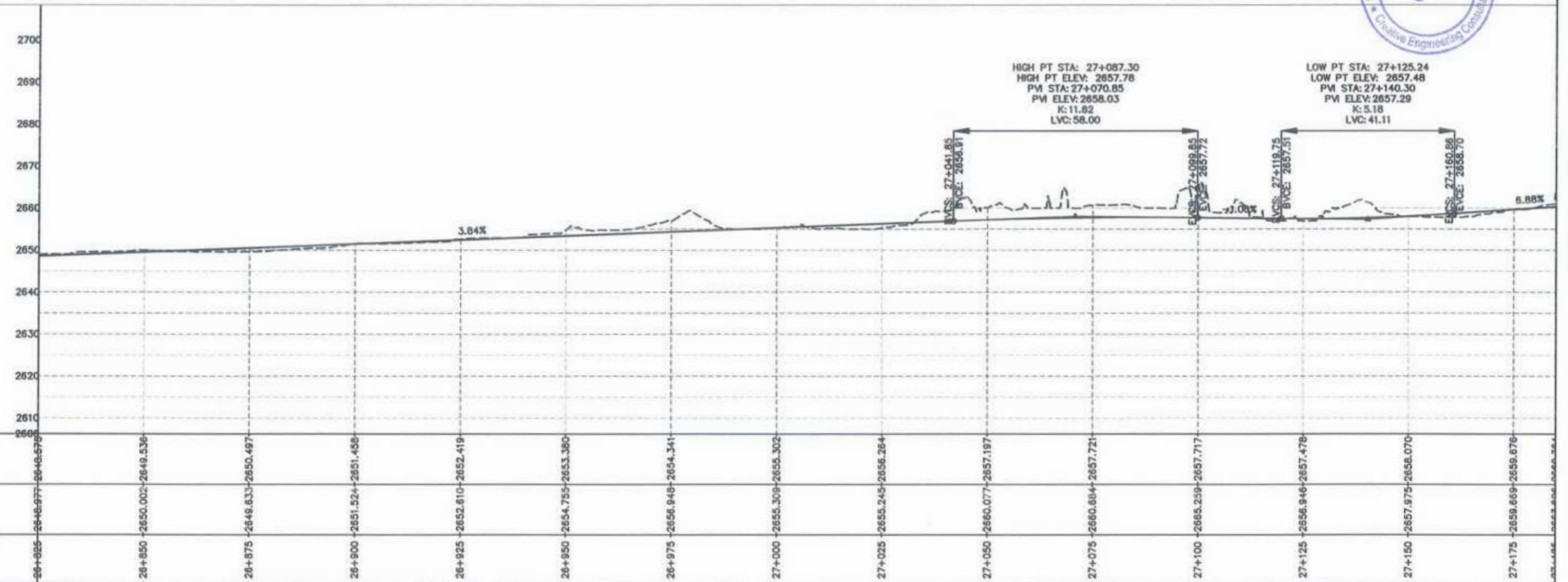
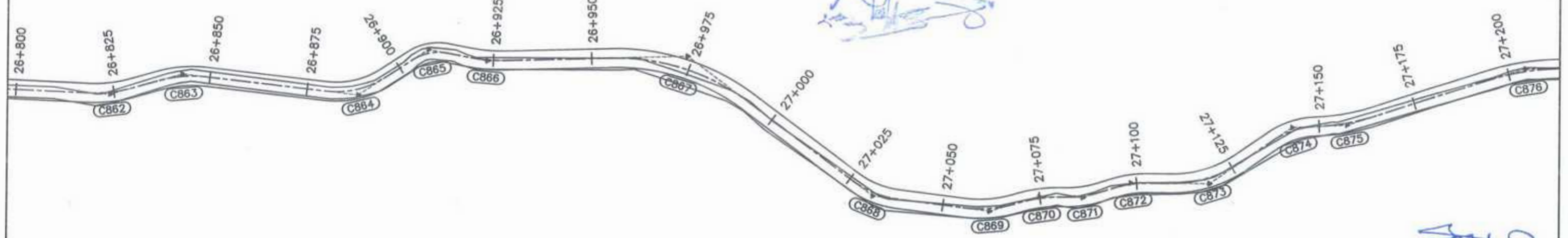


LOW PT STA: 26+726.74
 LOW PT ELEV: 2645.09
 PM STA: 26+770.20
 PM ELEV: 2646.47
 K: 130.36
 LVC: 86.92

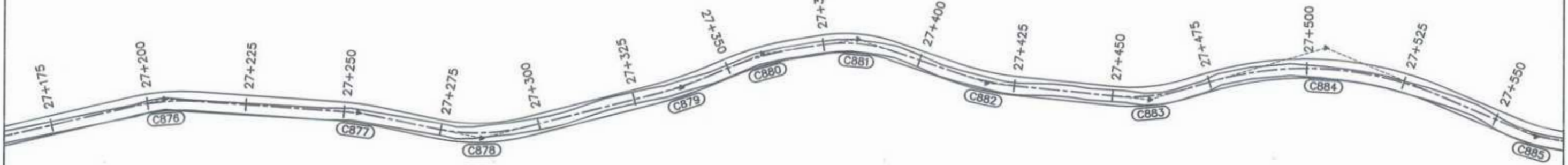
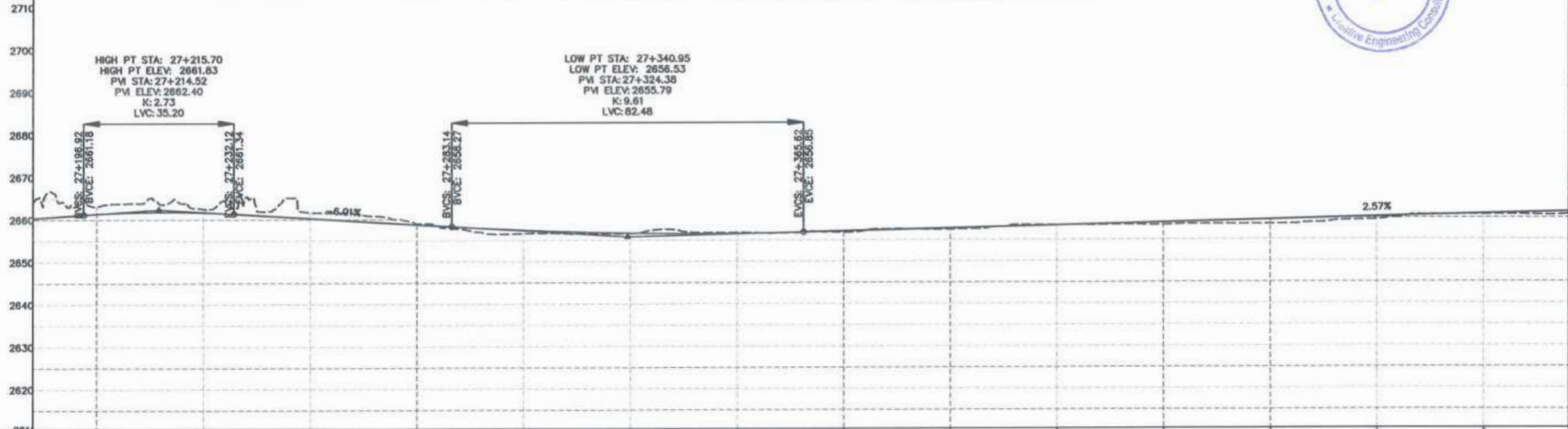


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024.	Tender Drawings.	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 26+465.00 - 26+825.00 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 19
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE: Aug 2024.	

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



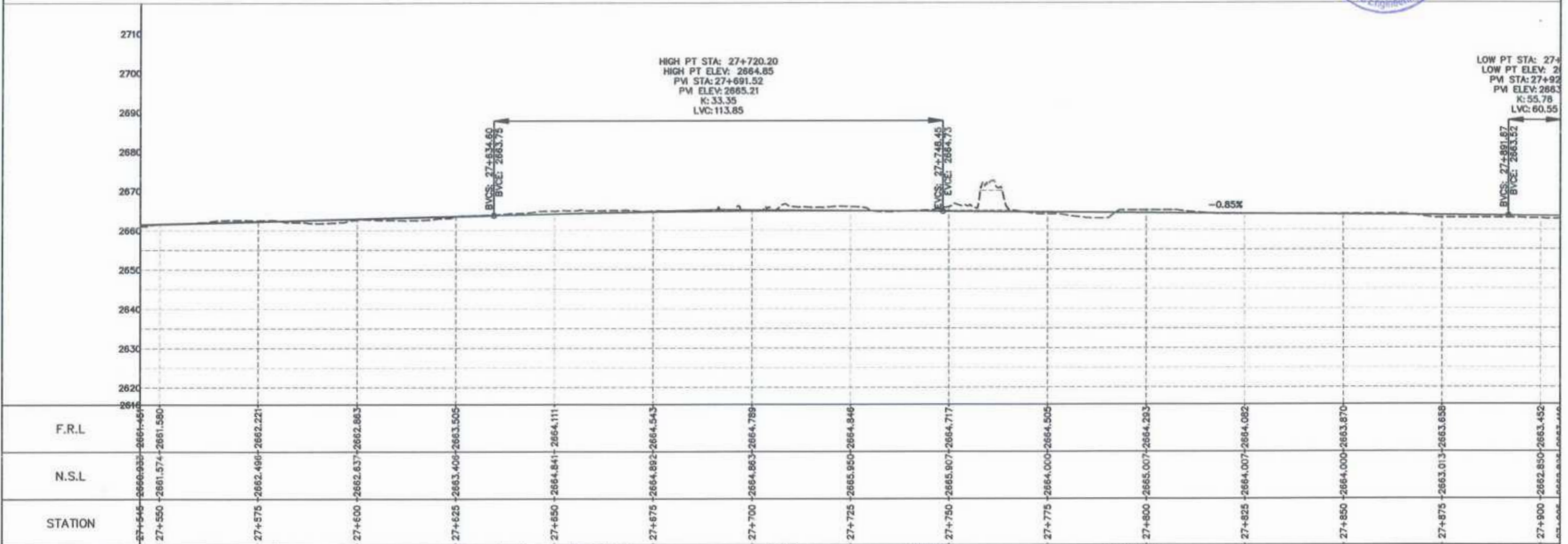
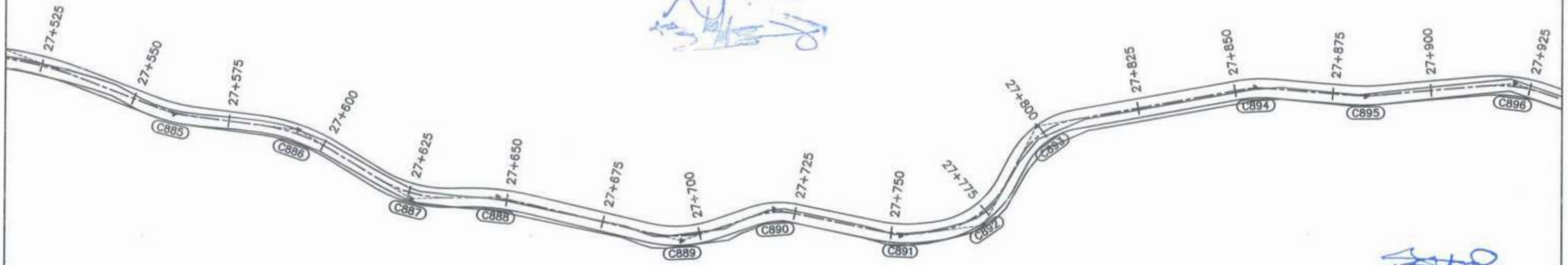
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings	G.DESIGNED REHMAT	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 26+825.00 - 27+185.00 DWG NO: CEC/HWRRDP/N-CHT-4/PP/ 20
		a			DRAWN INAM ULLAH				
		b			CHECKED S-DURRANI				
		c			APPROVED AQEEL YOUNIS				

F.R.L	2663.926	2663.108	2662.545	2661.672	2660.261	2658.995	2657.402	2656.662	2655.573	2654.087	2652.729	2651.371	2650.013	2648.654	2647.296	2645.938
N.S.L	2663.926	2663.108	2662.545	2661.672	2660.261	2658.995	2657.402	2656.662	2655.573	2654.087	2652.729	2651.371	2650.013	2648.654	2647.296	2645.938
STATION	27+185	27+200	27+225	27+250	27+275	27+300	27+325	27+350	27+375	27+400	27+425	27+450	27+475	27+500	27+525	

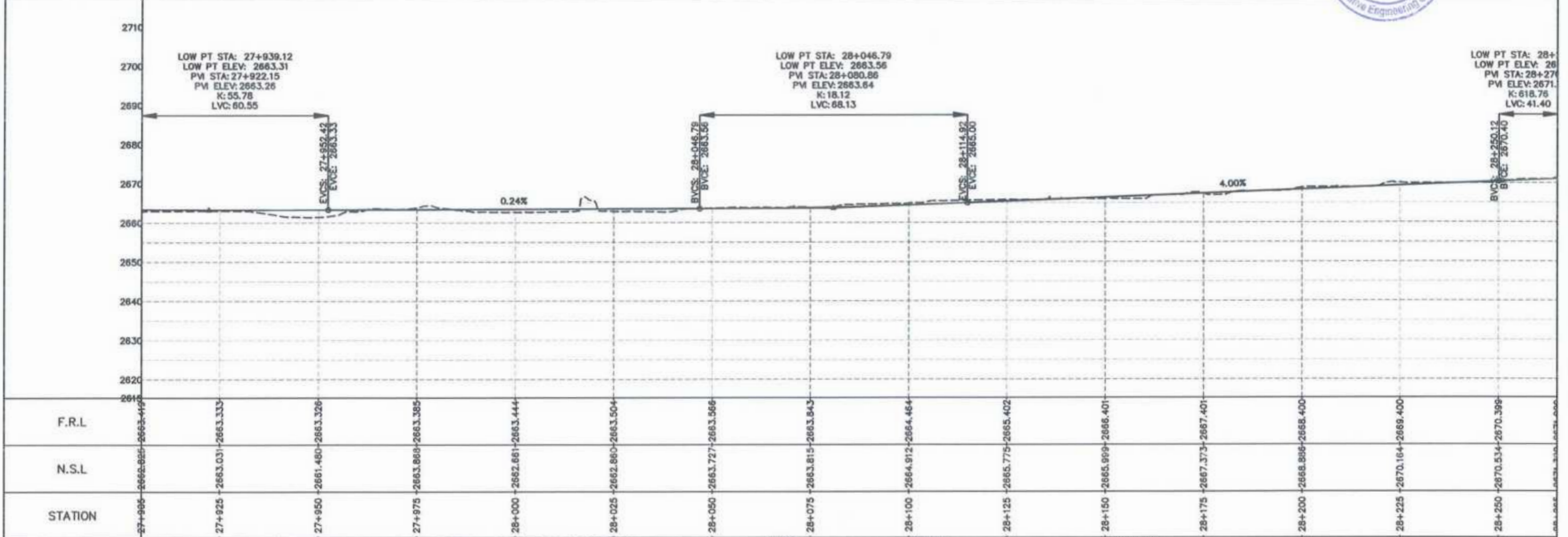
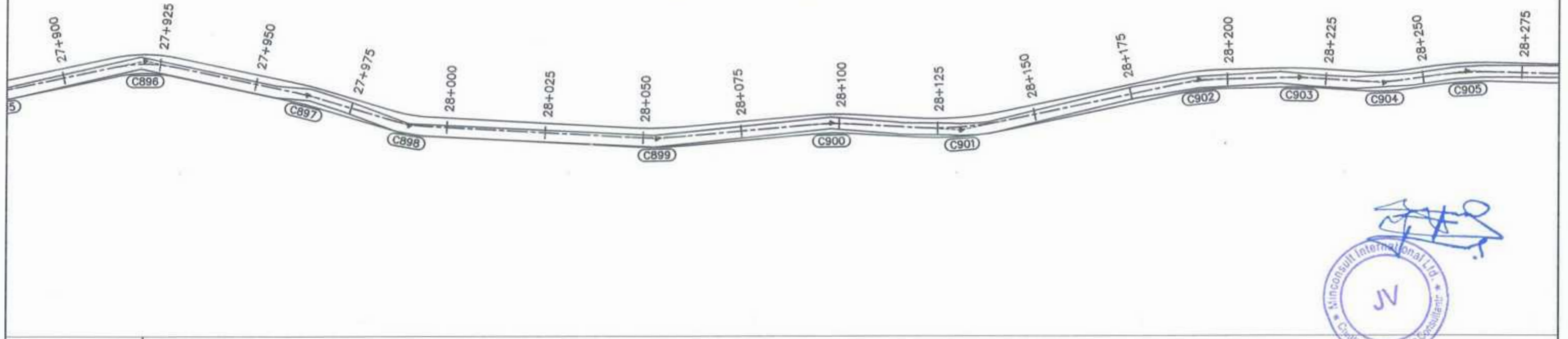
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT				
		a			DRAWN	INAM ULLAH				
		b			CHECKED	S-DURRANI				
			c			APPROVED	AGEEL YOUNIS	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 27+185.00 - 27+545.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/

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



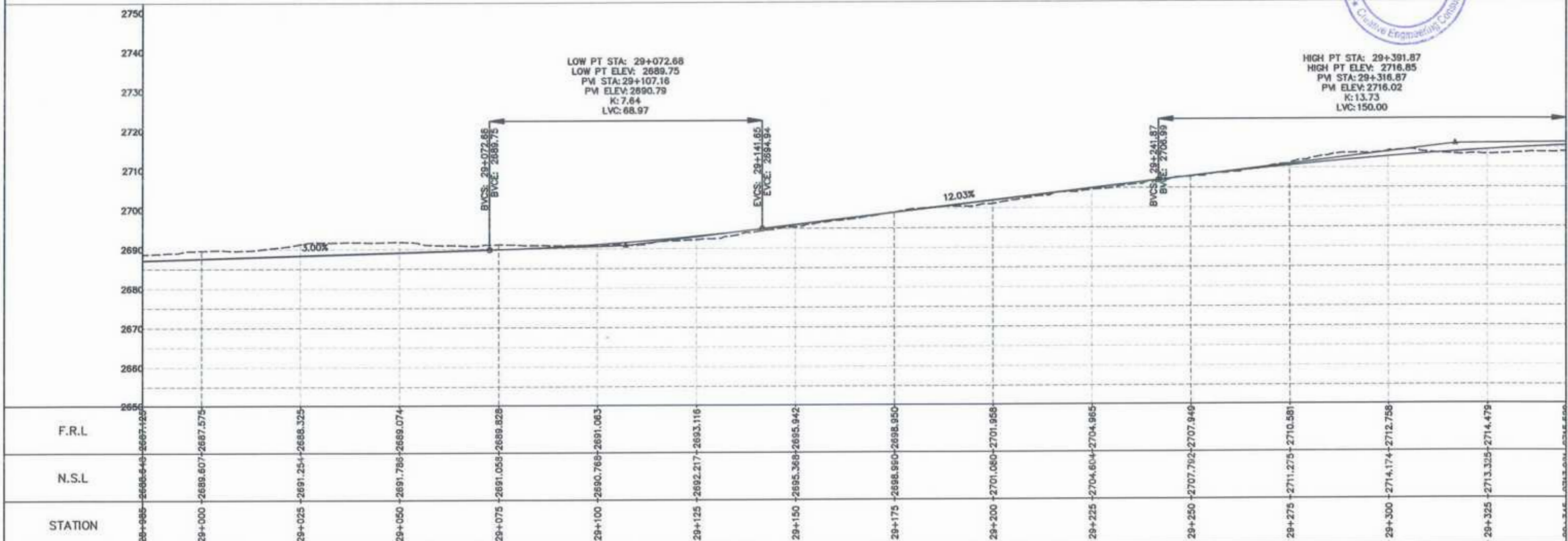
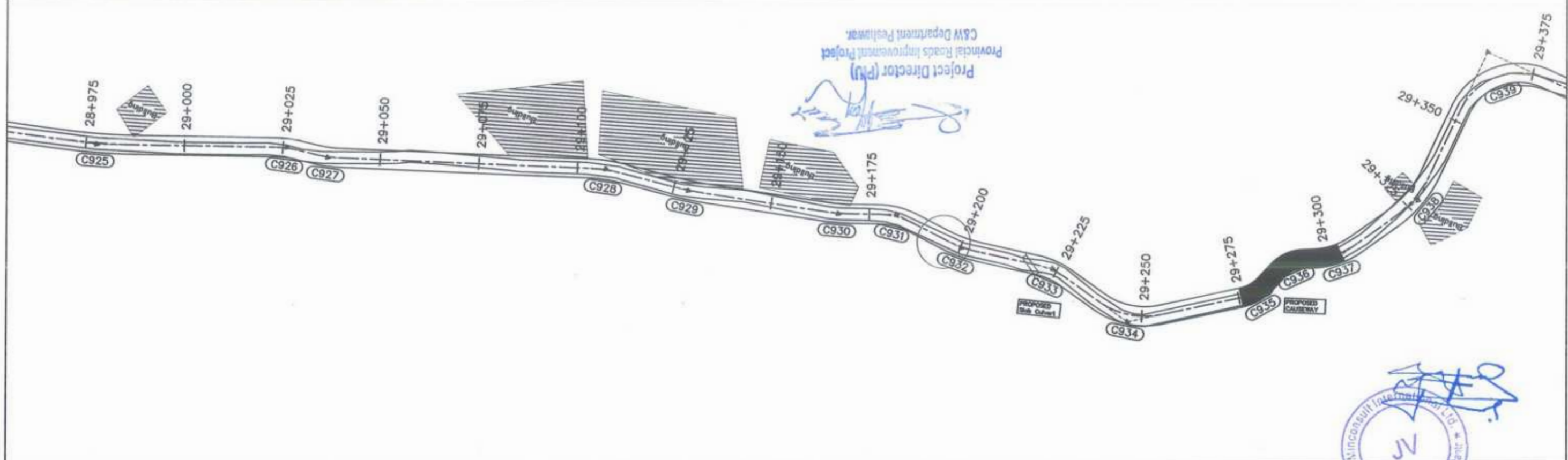
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 27+545.00 - 27+905.00 DWG NO: CEC/HWR/RRDP/N-CHT-6/PPY 22	
		a			DRAWN	INAM ULLAH		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024
		c			APPROVED	AQEEL YOUNIS				

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



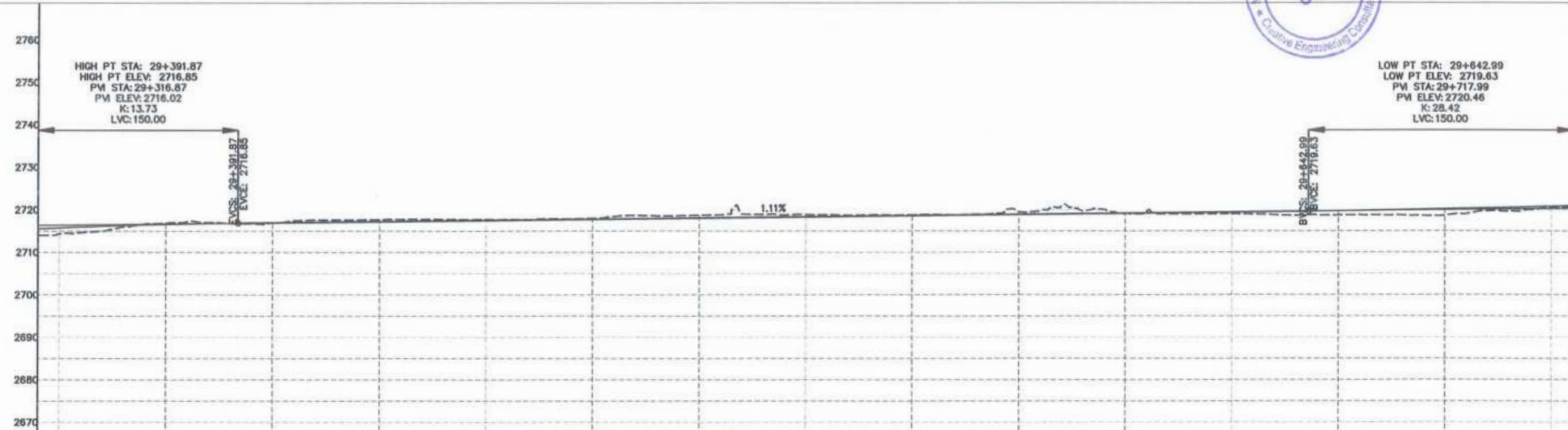
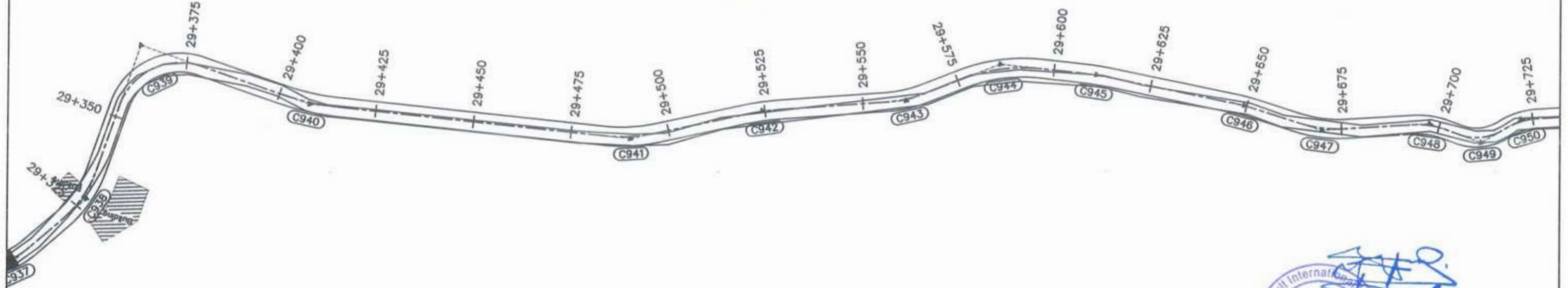
STATION	N.S.L	F.R.L
27+900	2663.925	2663.419
27+925	2663.031	2663.333
27+950	2661.480	2663.326
27+975	2663.868	2663.385
28+000	2662.861	2663.444
28+025	2662.860	2663.504
28+050	2663.727	2663.566
28+075	2663.815	2663.843
28+100	2664.912	2664.464
28+125	2665.775	2665.402
28+150	2665.999	2666.401
28+175	2667.373	2667.401
28+200	2668.896	2668.400
28+225	2670.164	2669.400
28+250	2670.534	2670.399
28+275	2671.802	2671.398

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	REHMAT	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHGROOM TIRCH FLOOD AFFECTED	H=1:1000	PLAN & PROFILE 27+905.00 - 28+265.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/
		a			DRAWN	INAM ULLAH			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)			DATE:	23
								Aug 2024.	



<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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 28+985.00 - 29+345.00 DWG NO: CEC/RW/RRDP/N-CHT-6/PP/ 26
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		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										

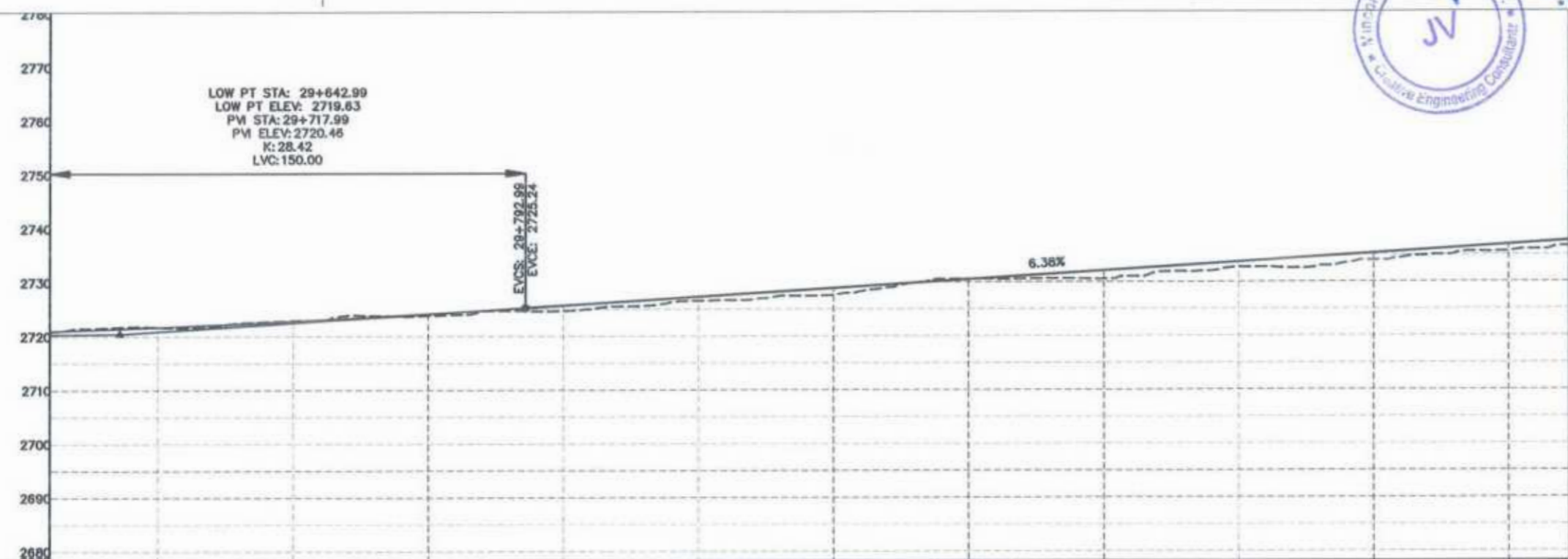
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar



F.R.L	2715.661	2714.350	2716.557	2716.937	2717.214	2717.491	2717.767	2718.044	2718.321	2718.597	2718.874	2719.150	2719.427	2719.701	2719.978	2720.255	2720.532	2720.809
N.S.L	2715.661	2714.350	2716.557	2716.937	2717.214	2717.491	2717.767	2718.044	2718.321	2718.597	2718.874	2719.150	2719.427	2719.701	2719.978	2720.255	2720.532	2720.809
STATION	29+345	29+350	29+375	29+400	29+425	29+450	29+475	29+500	29+525	29+550	29+575	29+600	29+625	29+650	29+675	29+700	29+725	29+750

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	REHMAT					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-6 TIRCH ROAD FROM NISHKO BRIDGE TO SHAHROOM TIRCH FLOOD AFFECTED	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 29+345.00 - 29+705.00 DWG NO: CEC/HW/RRDP/N-CHT-6/PP/ 27
		a			DRAWN	INAM ULLAH								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										

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



F.R.L	2720.633	2721.727	2722.833	2724.153	2725.692	2727.289	2728.885	2730.481	2732.077	2733.673	2735.270	2736.866	2737.503
N.S.L	2720.633	2721.727	2722.833	2724.153	2725.692	2727.289	2728.885	2730.481	2732.077	2733.673	2735.270	2736.866	2737.503
STATION	29+705	29+725	29+750	29+775	29+800	29+825	29+850	29+875	29+900	29+925	29+950	29+975	29+986

<p> GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU) </p>	<p> MINCONSULT SDN BHD (COMPANY NO. 58435-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC) </p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT: PLAN & PROFILE 29+705.00 - 29+986.23 DWG NO: CEC/HWRRDP/N-CHT-6/PP/ 28
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		a			DRAWN	INAM ULLAH			DATE:	
		b			CHECKED	S-DURRANI			Aug 2024.	
c			APPROVED	AQEEL YOUNIS						

PROJECT:

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

TENDER DRAWINGS

**N-CHT-7
RECH ROAD CHITRAL**

AUGUST, 2024



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

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



MINCONSULT SDN BHD
(Company No : 59835-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/N-CHT-7/STR-016
			30	TYPICAL CAUSEWAY	CEC/HW/KP-RRDP/N-CHT-7/STR-07
2	LIST OF DRAWINGS	CEC/HW/KP-RRDP/N-CHT-7/LD-01			
3	PROJECT LOCATION MAP				
4	GENERAL & TYPICAL DRAWINGS				
5	SYMBOLS & ABBREVIATIONS	CEC/HW/KP-RRDP/N-CHT-7/SA-03(a&b)			
6	GENERAL NOTES FOR ROAD CONSTRUCTION	CEC/HW/KP-RRDP/N-CHT-7/GN-04			
7	TYPICAL MINOR ROAD JUNCTION	CEC/HW/KP-RRDP/N-CHT-7/MJD-05(a-b)			
8	TYPICAL SUPER ELEVATION DETAILS	CEC/HW/KP-RRDP/N-CHT-7/SE-06			
9	TRAFFIC SIGNS DETAILS	CEC/HW/KP-RRDP/N-CHT-7/TSD-07(a-g)			
10	PAVEMENT MARKING DETAILS	CEC/HW/KP-RRDP/N-CHT-7/PM-08			
11	KILOMETER POST DETAILS	CEC/HW/KP-RRDP/N-CHT-7/KM-09			
12	GUARD RAIL DETAILS	CEC/HW/KP-RRDP/N-CHT-7/GR-10			
13	TYPICAL CROSS SECTIONS				
14					
15	TYPICAL CROSS SECTIONS	CEC/HW/KP-RRDP/N-CHT-7/TCS-01			
16	CENTER LINE DATA				
17	CENTER LINE DATA	CEC/HW/KP-RRDP/N-CHT-7/CL-01-04			
18	HORIZONTAL CURVE DATA				
19	HORIZONTAL CURVE DATA	CEC/HW/KP-RRDP/N-CHT-7/HCD-01-09			
22	LIST OF BENCH MARKS	CEC/HW/KP-RRDP/N-CHT-7/BM-01			
23	LIST OF CULVERTS , CAUSEWAYS	CEC/HW/KP-RRDP/N-CHT-7/CVT-01			
24	PLAN & PROFILE DRAWINGS				
25	PLAN & PROFILE DRAWINGS	CEC/HW/KP-RRDP/N-CHT-7/P&P-01-35			
26	STRUCTURAL DRAWINGS				
27	TYPICAL SLAB CULVERT	CEC/HW/KP-RRDP/N-CHT-7/STR-09a-b			
28	TYPICAL PLUM-RETAINING WALL	CEC/HW/KP-RRDP/N-CHT-7/STR-14			


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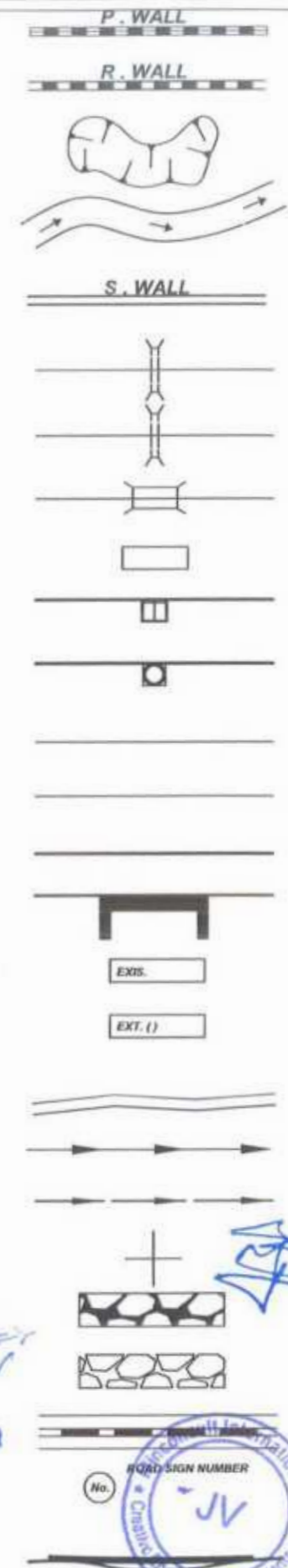
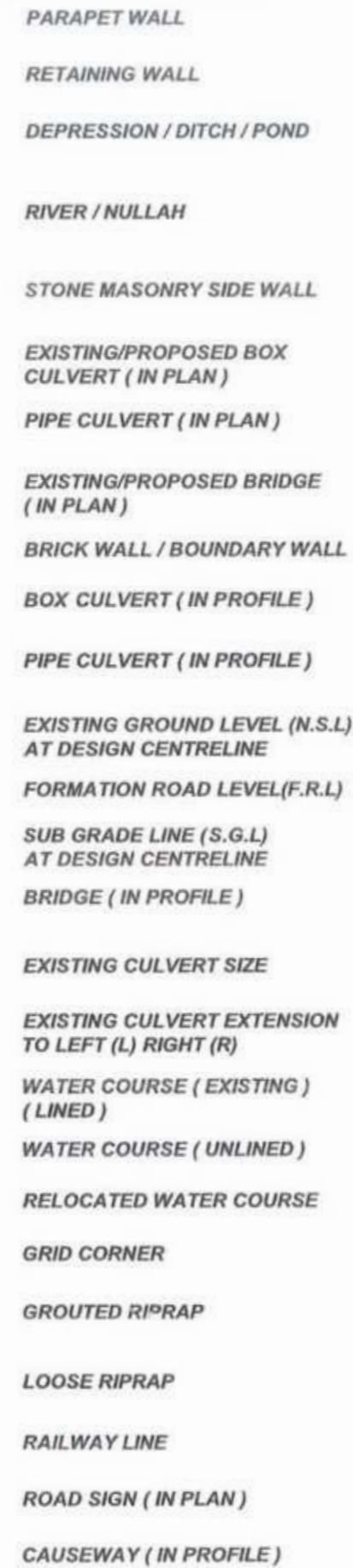
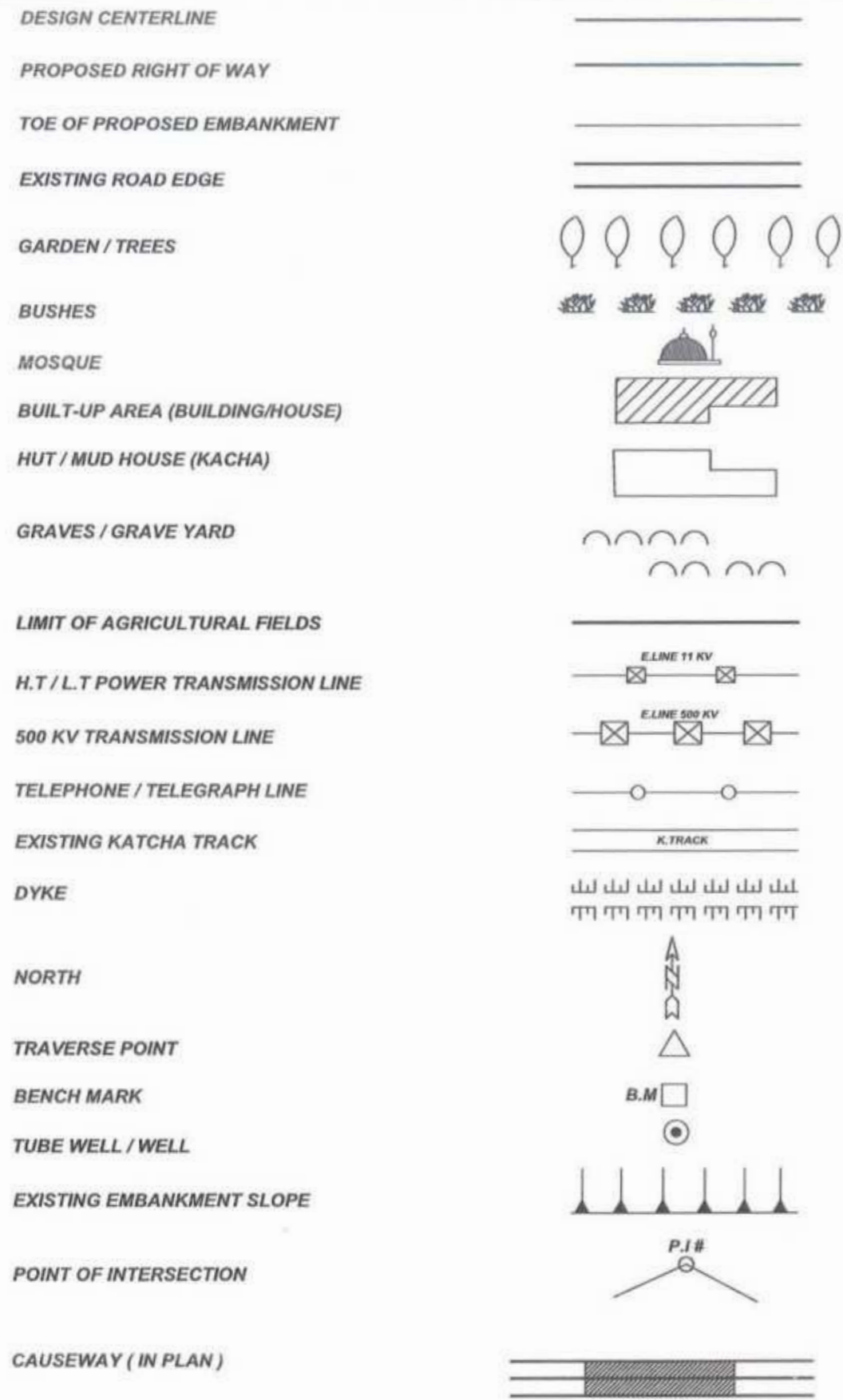
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT	
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	N-CHT-7 RECH ROAD CHITRAL	N.T.S.	 LIST OF DRAWINGS	
		a			DRAWN	IMRAN TARIQ		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)		FLOOD AFFECTED ROAD
		b			CHECKED	SHAHZAD DURRANI	AUG 2024			
		c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/KP-RRDP/N-CHT-7/ LD - 01			

GENERAL & TYPICAL DRAWINGS



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





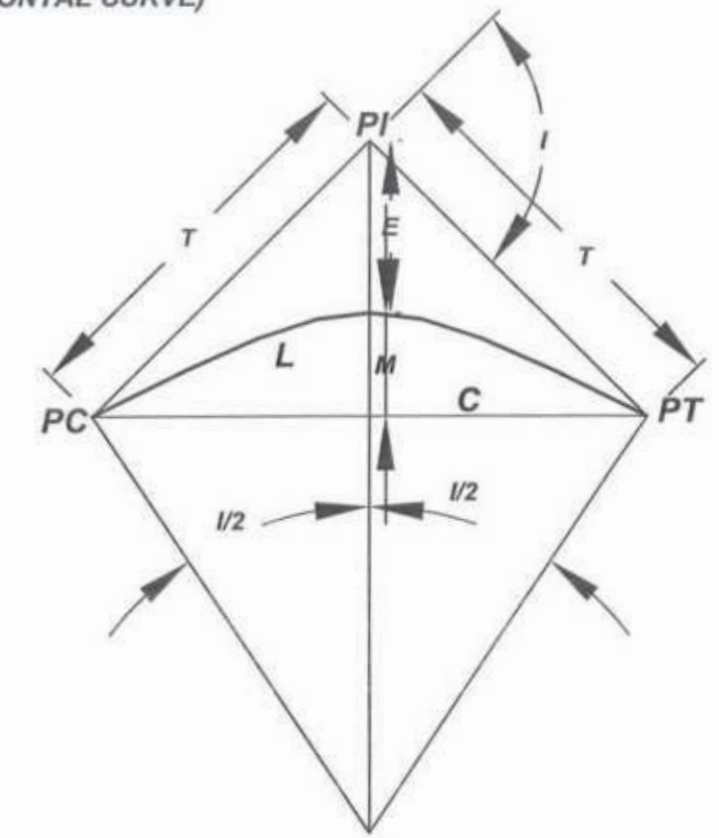
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET & CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 9835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED: AAMR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	SYMBOLS & ABBREVIATION DATE: AUG, 2024. DWG NO: CEC&P-RRDP/PIU/N-CHT-7/ SA - 03a
		1			DRAWN: IMRAN TARIQ				
		2			CHECKED: SHAHZAD DURRAN				
		3			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. 58325-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	AMIR KHAN	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S AUG. 2024	SYMBOLS & ABBREVIATION
		a			DRAWN	IMRAN TARGO			
		b			CHECKED	SHAHZAD DURRANI			
		c			APPROVED	AGEEL YOUNIS			
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)			
DWG NO: CEC/RP-RRDP/WWW-CHT-7 SA-03a									

GENERAL NOTES FOR ROAD CONSTRUCTION

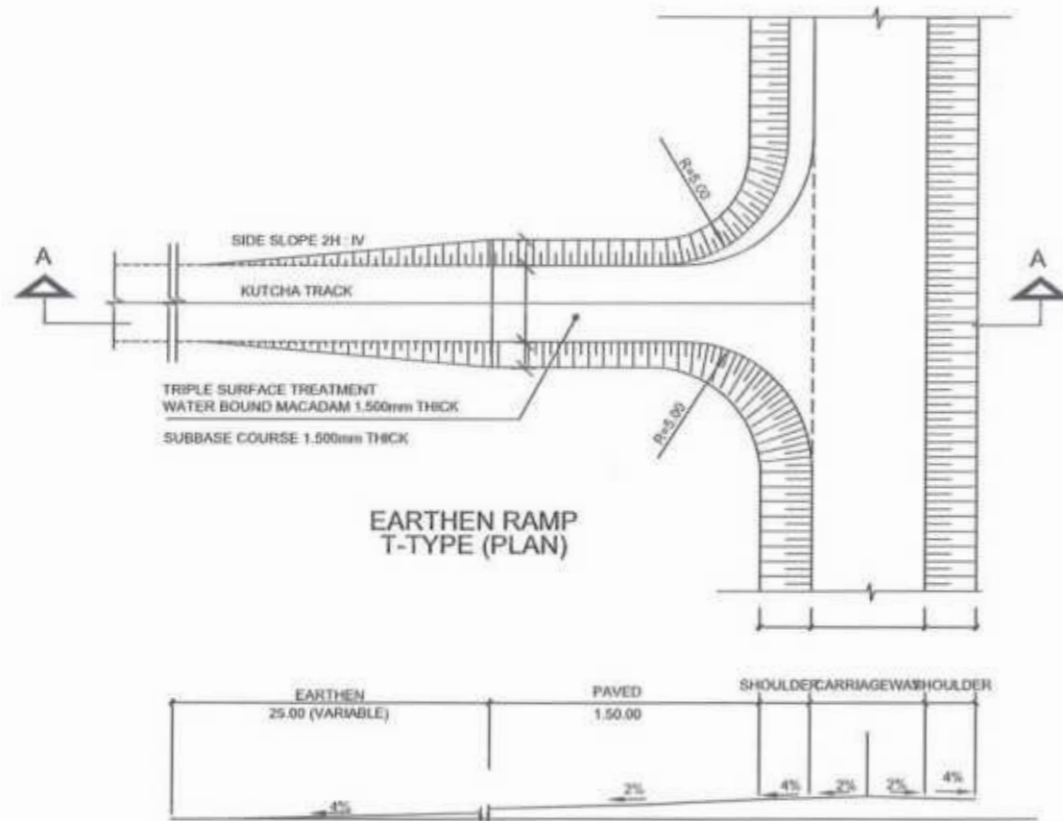
1. GRID COORDINATES & ELEVATIONS FOR THE PROJECT ARE BASED ON UNIVERSAL TRANSVERSE MERCATOR (UTM WGS84).
2. EACH DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER DRAWINGS.
3. NOTES GIVEN ON DRAWINGS ADJACENT TO A SECTION OR DETAIL PERTAIN TO THAT PARTICULAR DETAIL ONLY.
4. THE CONTRACTOR SHALL ENDEAVOR 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.


 Project Director (PIU)



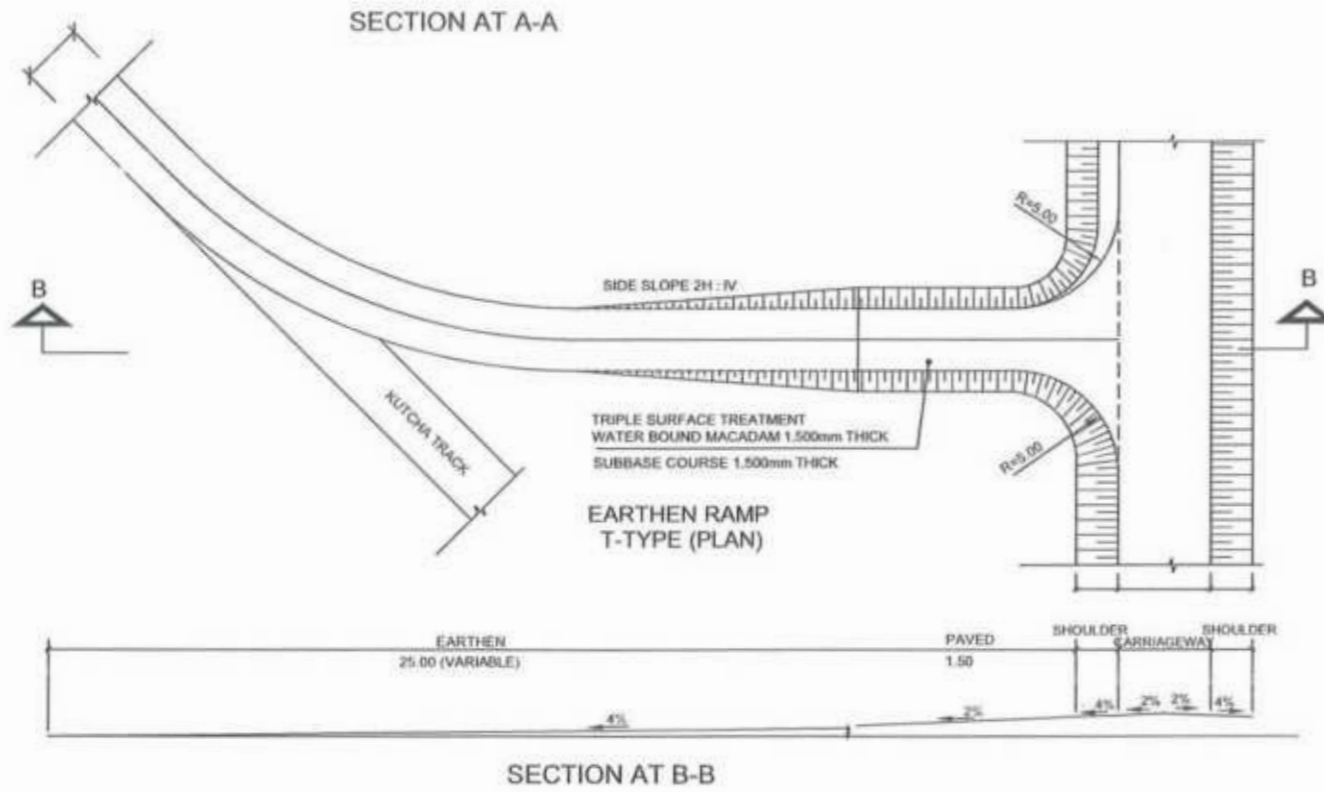
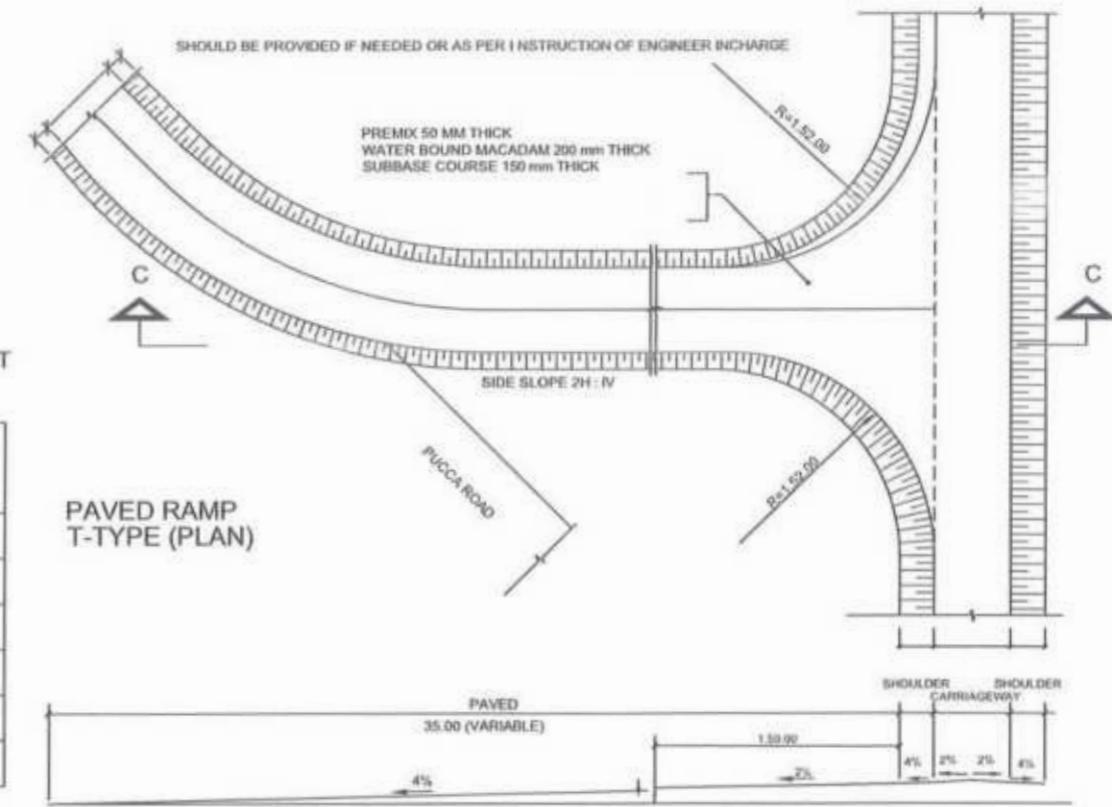
CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)  MINCONSULT SDN BHD <small>(COMPANY NO. 58935-P)</small> J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV D e b c	DATE AUG, 2024	DESCRIPTION TENDER DRAWINGS	NAMES: G.DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AGEEL YOUNIS	PROJECT: Provincial Road Development Project KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE: N.T.S DATE: AUG, 2024	SHEET CONTENT: GENERAL NOTES FOR ROAD CONSTRUCTION <small>DWG NO: SEC/RRDP/PIU/CHT-7I GR-04</small>
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MINOR JUNCTION DETAIL

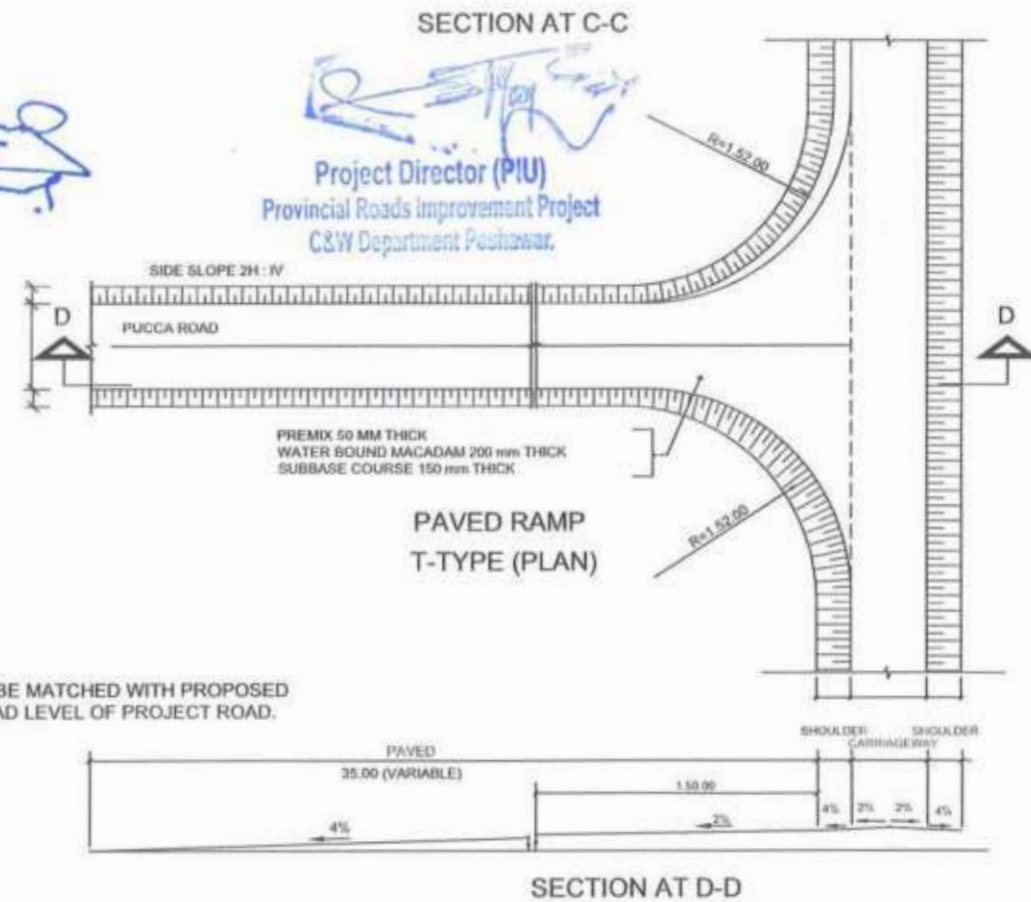


RECOMMENDED CURVE RADII FOR DIFFERENT ANGLES OF TURN

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



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



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: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7	N.T.S	MINOR JUNCTION DETAILS
		a			DRAWN: IMRAN TARIQ		FLOOD AFFECTED ROAD	DATE: AUG. 2024	
		b			CHECKED: SHAHZAD DURRAN				
		c			APPROVED: ADEEL YOUNIS				
DWG NO: CEC/RRDP/HWN-CHT-7/ MJD-05H									

MINOR JUNCTION DETAIL

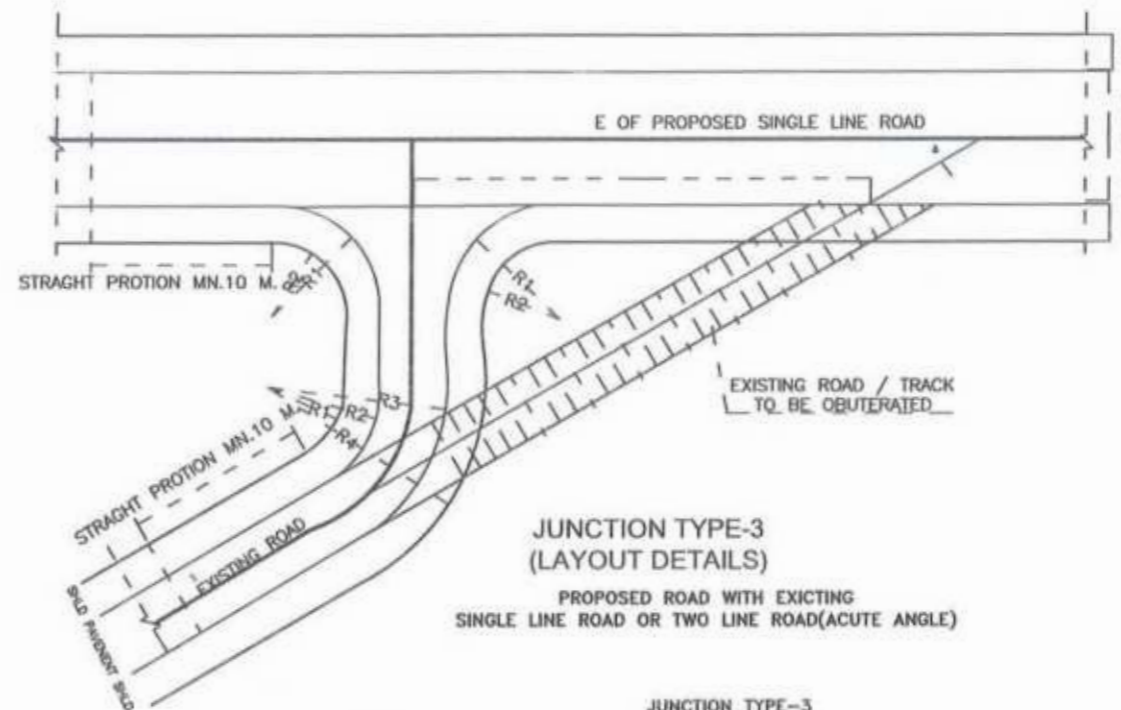
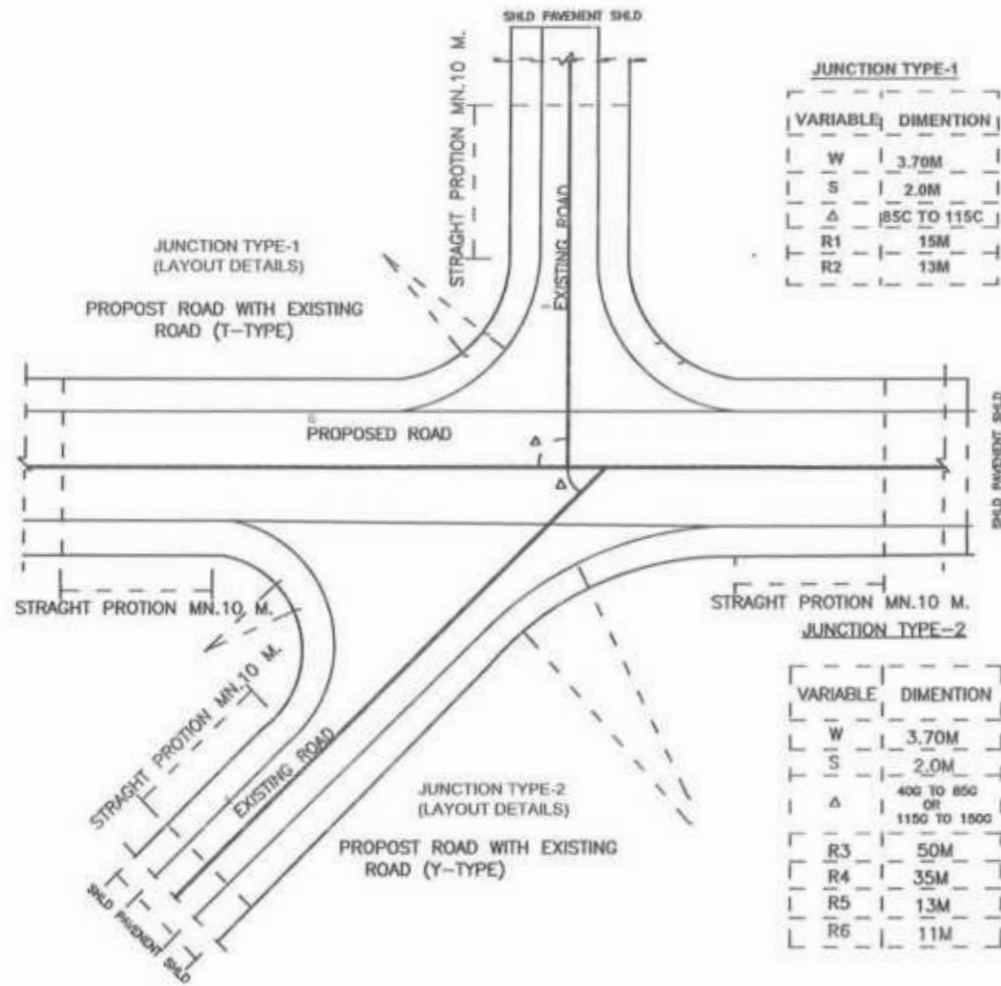
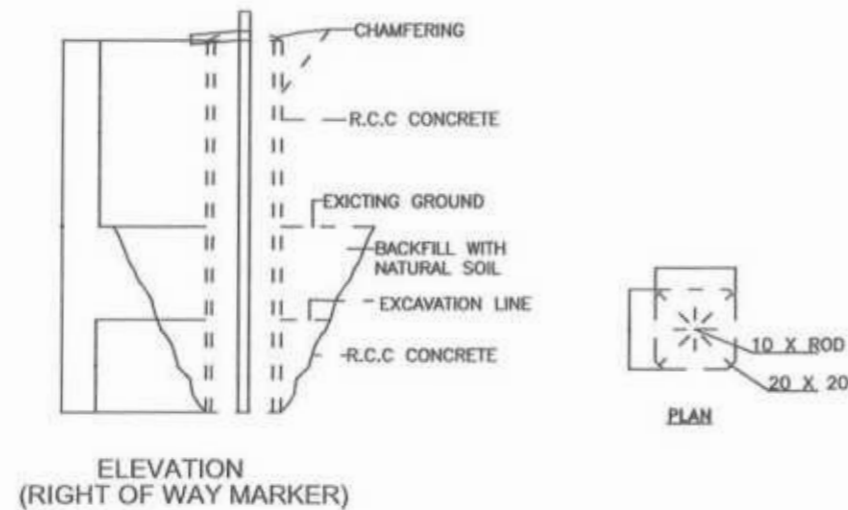
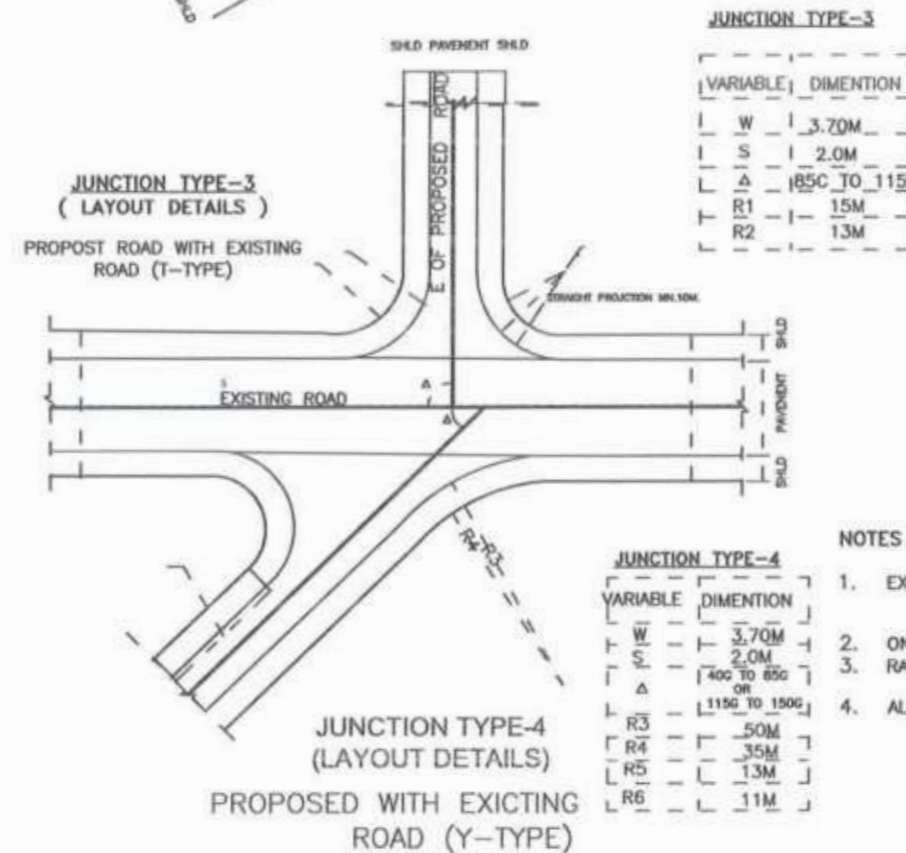


TABLE NO.5 APPLICABLE WHEN
 1 <500 OR >1500
 (JUNCTION WITH 2 LINE ROAD)(2) 400 OR 1600)
 JUNCTION WITH SINGLE ROAD)

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

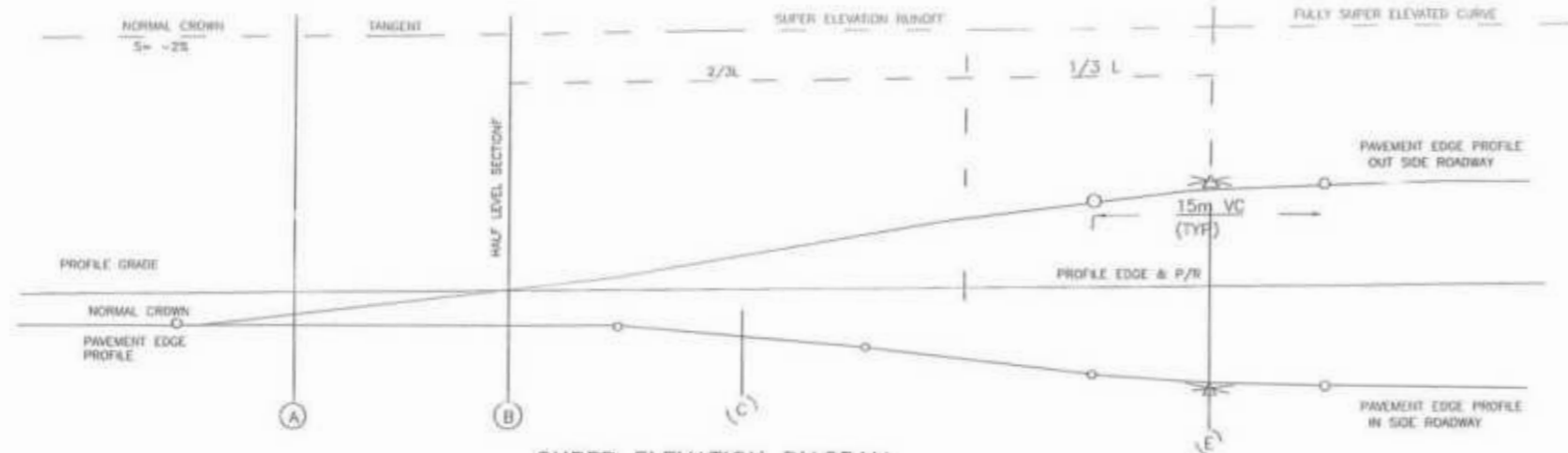


NOTES :

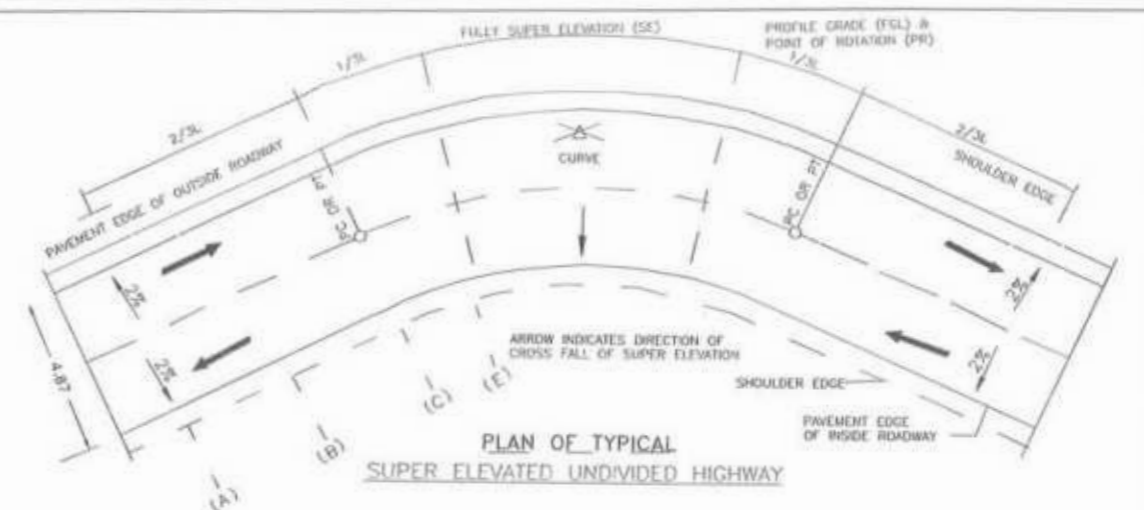
- EXISTING ROAD TO BE DISMANTLED WHERE IT MEETS PROPOSED ROAD AT THE JUNCTION LOCATION ONLY AND WILL BE RECONSTRUCTED ACCORDING TO JUNCTION DETAIL AND LIMITS.
- ON JUNCTION MIN. 10 METER STRAIGHT PORTION SHOULD BE PROVIDED.
- RAD# SHOWN ARE TYPICAL AND MAY BE ADJUSTED AS PER SITE CONDITIONS AS APPROVED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



<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	G.DESIGNED	AAMIR KHAN	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: MINOR JUNCTION DETAILS
		a			DRAWN	IRAN TARIQ			DATE:	
		b			CHECKED	SHANZAD DURRANI			AUG. 2024	
		c			APPROVED	AGEEL YOUNIS			DWG NO: CEC/RRDP/PIU/N-CHT-7/ MJD - 05B	



SUPER ELEVATION DIAGRAM ON SIMPLE RIGHT AND CURVES



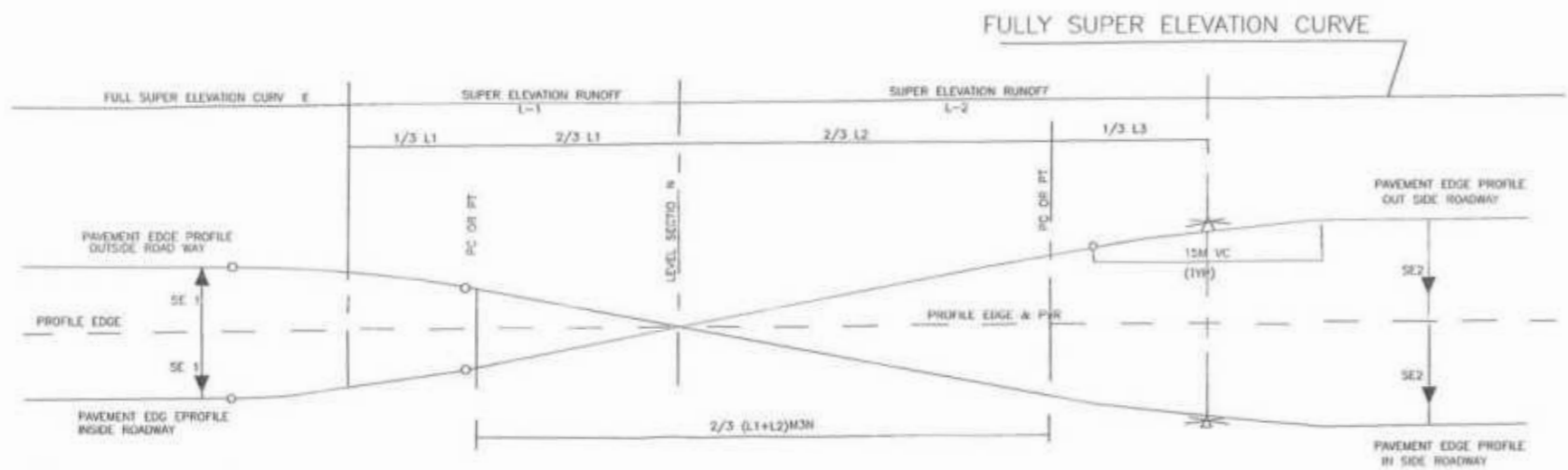
PLAN OF TYPICAL SUPER ELEVATED UNDIVIDED HIGHWAY

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
150	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	0.050	31	0.052	25
30			0.057	28
21			0.060	29

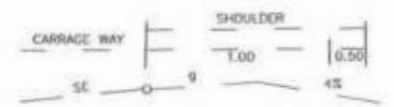
ROADWAY WIDENING

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



SUPER ELEVATION DIAGRAM ON REVERSE CURVES

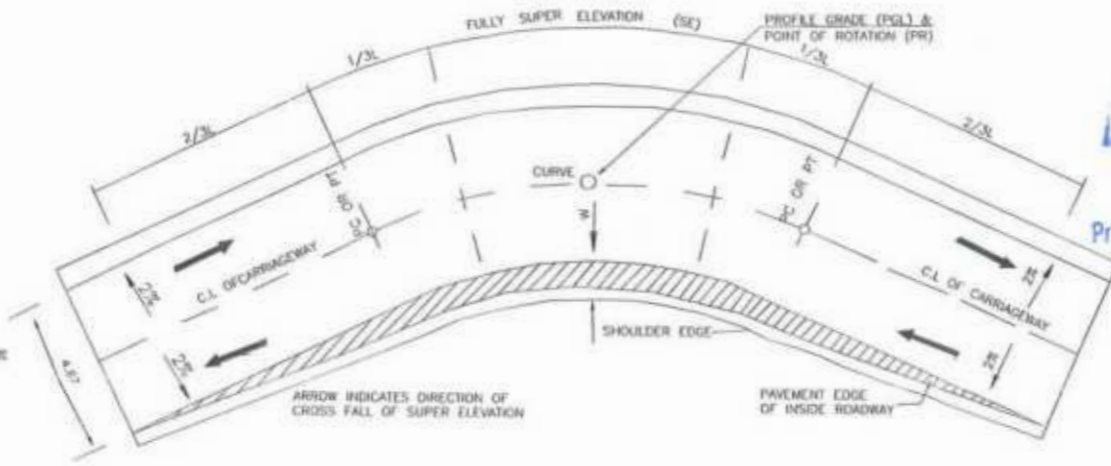
SHOULDER	CARRIAGEWAY		SHOULDER
2.00	2.435	2.435	2.00
-4%	-2%	-2%	-4%
-4%	0%	-2%	-4%
-3%	+2%	+2%	-4%
-2%	+2%	+2%	-4%
-1%	+3%	+2%	-4%
+0%	+4%	+4%	-4%
+1%	+5%	-5%	-3%
+2%	+6%	-6%	-4%



CROWNING AND ROUNDING OF OUTER SHOULDER WHERE > 4%

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

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

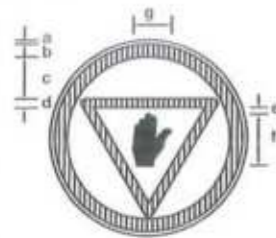


ROAD WIDENING AND SUPER ELEVATED UNDIVIDED HIGHWAY

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

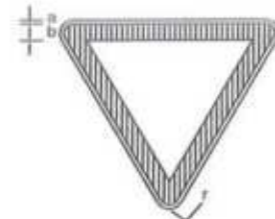


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 8835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b c	DATE AUG. 2024	DESCRIPTION TENDER DRAWINGS	NAMES: G.DESIGNED: AAMR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE: N.T.S. DATE: AUG. 2024	SHEET CONTENT: SUPER ELEVATION DETAILS DWG NO. CEC/RRDP/PIU/N-CHT-7 SE - 06
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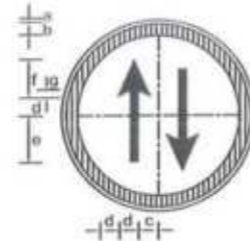
STOP SIGN
R-1
DIMENSIONS (cm)

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



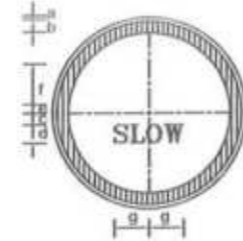
GIVE WAY SIGN
R-2
DIMENSIONS (cm)

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



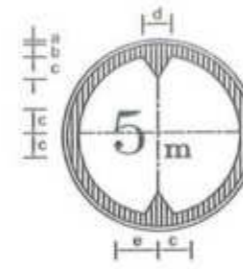
SLOW SIGN
R-4
DIMENSIONS (cm)

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



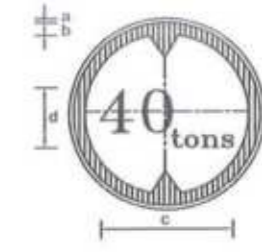
NO ENTRY SIGN
R-6
DIMENSIONS (cm)

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



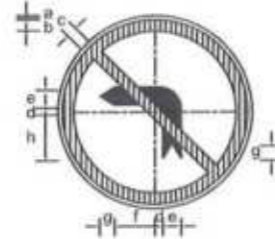
GROSS WEIGHT LIMIT SIGN
R-18
DIMENSIONS (cm)

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



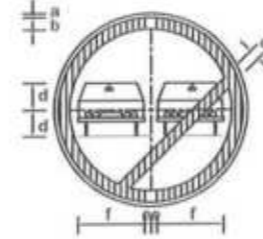
NO RIGHT TURN SIGN
R-20
DIMENSIONS (cm)

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



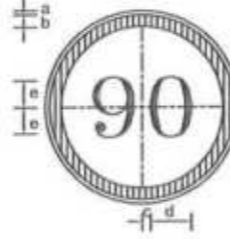
NO LEFT TURN SIGN
R-21
DIMENSIONS (cm)

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



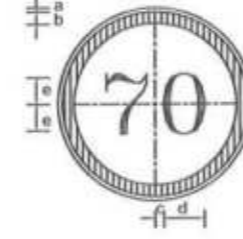
OVERTAKING PROHIBITED SIGN
R-23
DIMENSIONS (cm)

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



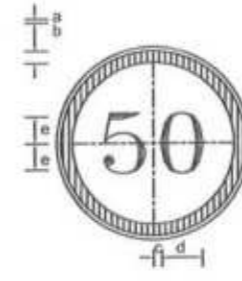
SPEED LIMIT SIGN
R-25-1
DIMENSIONS (cm)

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



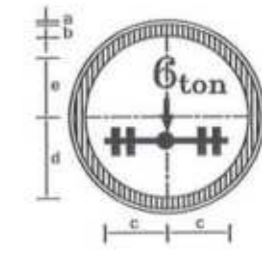
SPEED LIMIT SIGN
R-25-2
DIMENSIONS (cm)

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



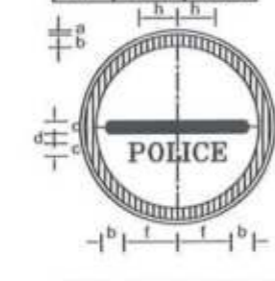
AXLE WEIGHT LIMIT SIGN
R-19
DIMENSIONS (cm)

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



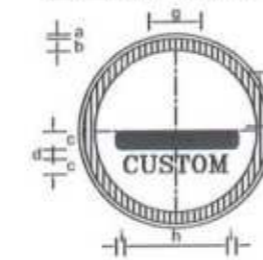
SPEED LIMIT SIGN
R-25-4
DIMENSIONS (cm)

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



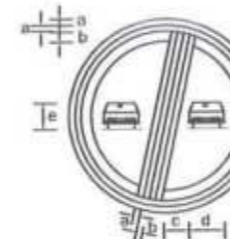
POLICE CHECK POST SIGN
R-27
DIMENSIONS (cm)

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



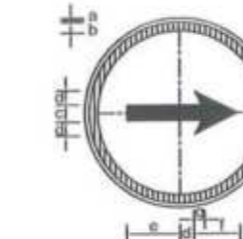
CUSTOM CHECK SIGN
R-28
DIMENSIONS (cm)

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



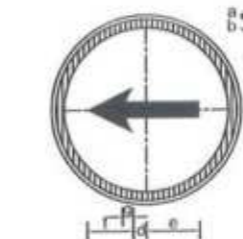
END OF OVERTAKING RESTRICTION SIGN
R-31
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	1.7	2.0
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	6.0	7.0
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)

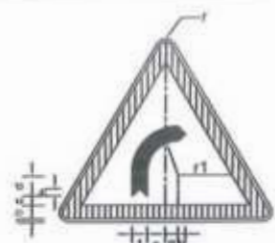
PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	4.0	4.7
c	8.0	9.3
d	9.0	10.5
e	32.0	37.3
f	23.0	26.8
g	4.5	5.2

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 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. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	TRAFFIC SIGNS DETAILS
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: AGEEL YOUNIS				
								AUG. 2024	
									DWG NO. CEC/KP-RRDP/RRM/CHT-3/ TSD - 07a



CURVE TOWARDS RIGHT
W-1

DIMENSIONS (cm)

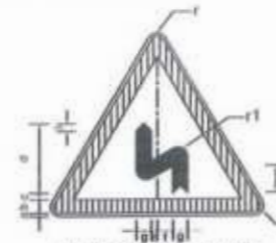
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



CURVE TOWARDS LEFT
W-2

DIMENSIONS (cm)

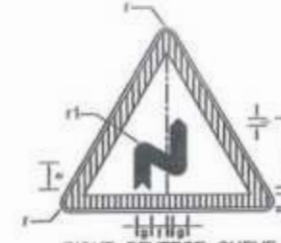
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.0	4.7
d	11.5	13.4
e	8.5	9.9
f	7.0	8.2
g	6.0	7.0
h	3.5	4.1
r1	12.5	14.6



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)

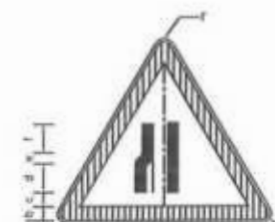
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5



DOWN-GRADE
W-6

DIMENSIONS (cm)

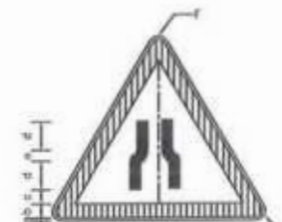
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	23.5	27.4
e	11.5	13.4
f	33.0	38.5



LANE ENDS
W-8

DIMENSIONS (cm)

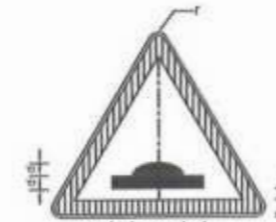
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	14.0	16.3
e	7.2	8.4
f	11.3	13.2
g	3.5	4.1
h	33.0	5.8



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)

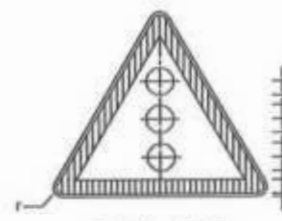
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.5	5.3
d	28.5	33.3
e	37.5	43.8



CATTLE CROSSING
W-20

DIMENSIONS (cm)

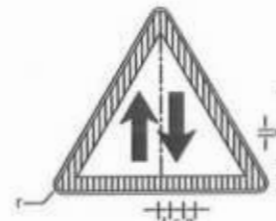
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.0	2.3
d	22.0	25.7
e	18.5	21.6
f	17.5	20.4



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

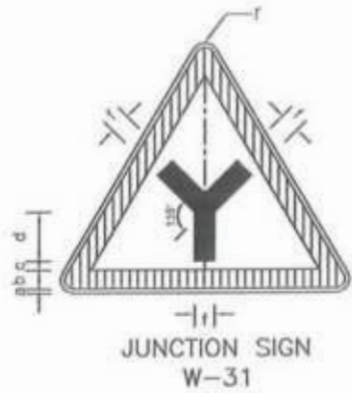
DIMENSIONS (cm)

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

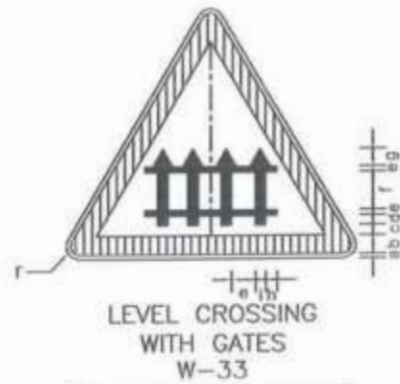
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar



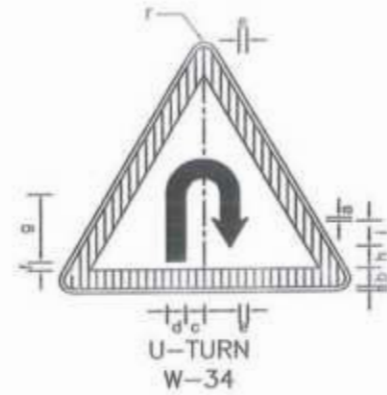
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED: AMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S DATE: AUG, 2024.	TRAFFIC SIGNS DETAILS DWG NO: CEC/RRDP/RRDP/CHT-7/1SD - 076
		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: SHAHZAD DURRANI				
		c			APPROVED: ADEEL YOUSUF				



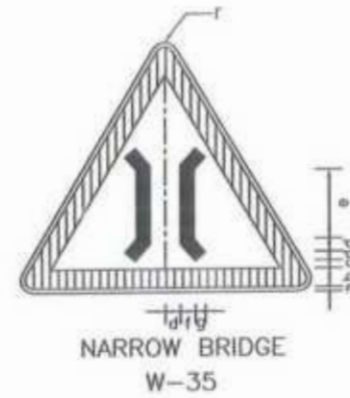
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	17.0	19.8
e	13.0	15.2
f	7.0	8.2



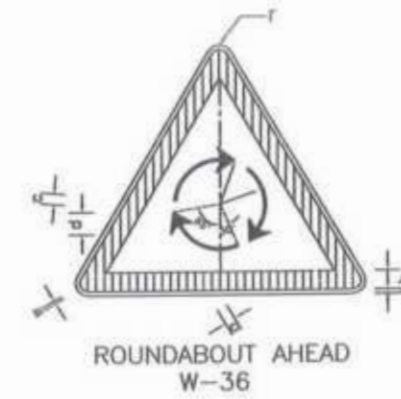
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	1.5	1.8
d	2.5	2.9
e	3.0	3.5
f	7.5	8.8
g	3.5	4.1
h	2.0	2.3
i	4.0	4.7



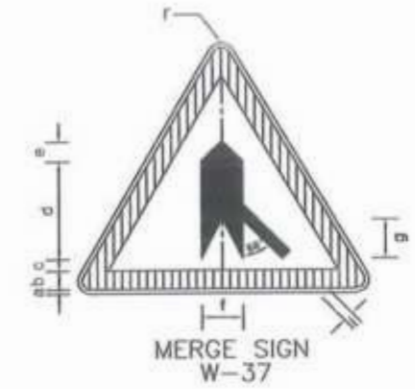
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	5.5	6.4
d	7.0	8.2
e	5.0	5.8
f	2.5	2.9
g	23.0	26.8
h	7.5	8.8
i	12.0	14.0



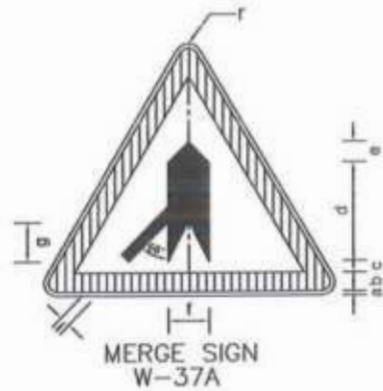
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	6.0	7.0
d	2.5	2.9
e	15.0	17.5
f	4.0	4.7
g	3.0	3.5



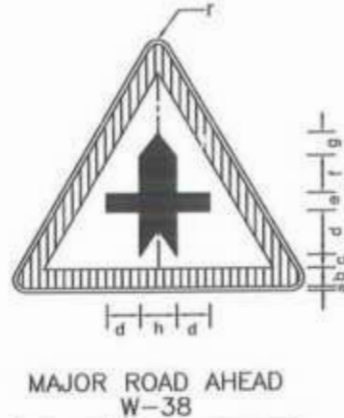
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	9.0	10.5
R1	12.0	14.0
R2	16.0	18.7



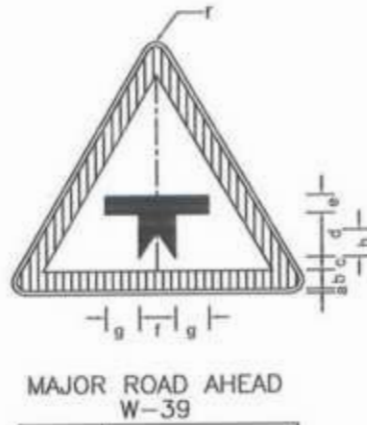
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4



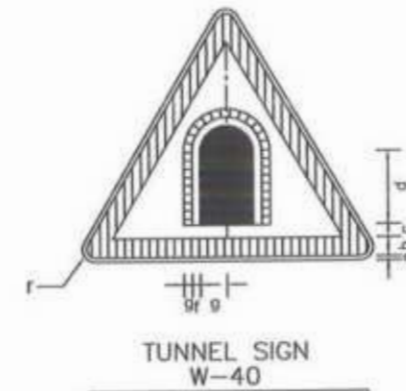
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.5	4.1
d	33.0	38.5
e	7.0	8.2
f	14.0	16.3
g	15.0	17.5
h	3.0	3.5
i	5.5	6.4



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



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



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



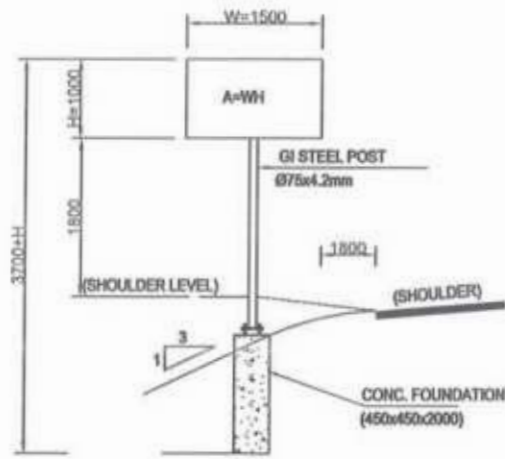
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	2.5	2.9
d	10.0	11.7
e	2.0	2.3
f	1.7	2.0
g	25.0	29.2
h	5.0	5.8

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

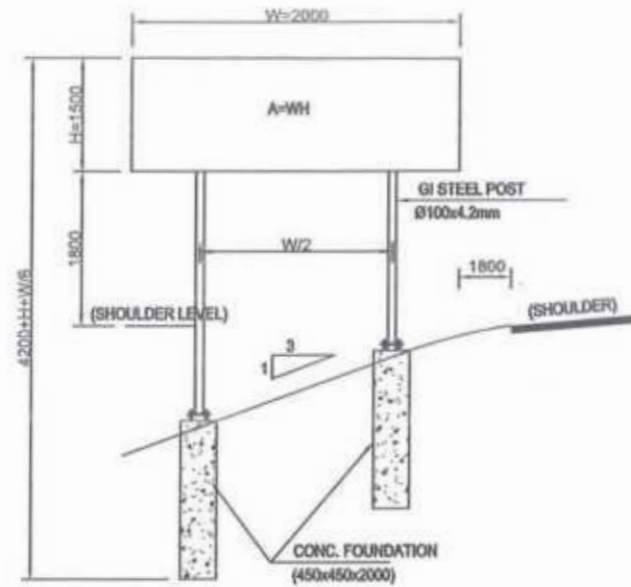
[Signature]



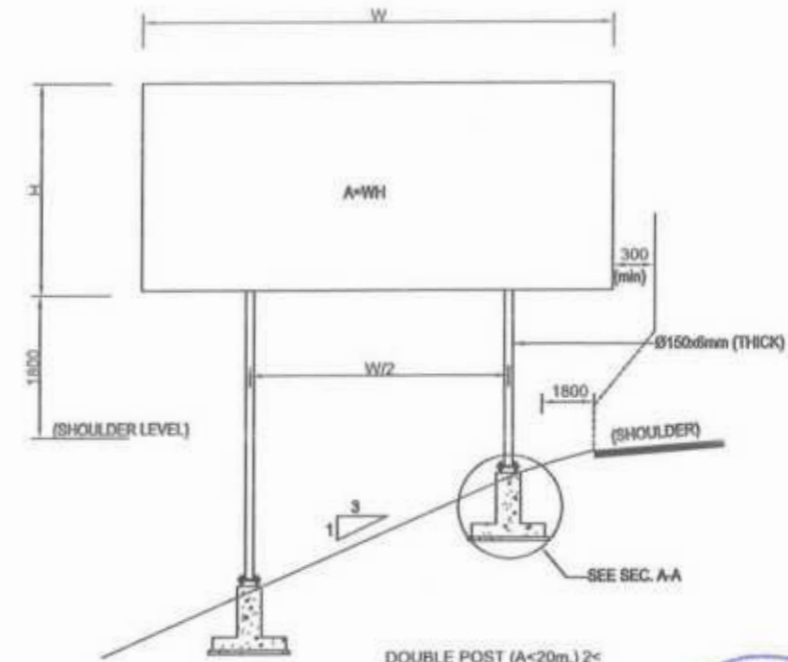
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S DATE: AUG. 2024.	TRAFFIC SIGNS DETAILS DWG NO: CEC/RRDP/PIU/N-CHT-2/25D - 07c
		a			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURRANI				
c			APPROVED	AQEEL YOUNIS						



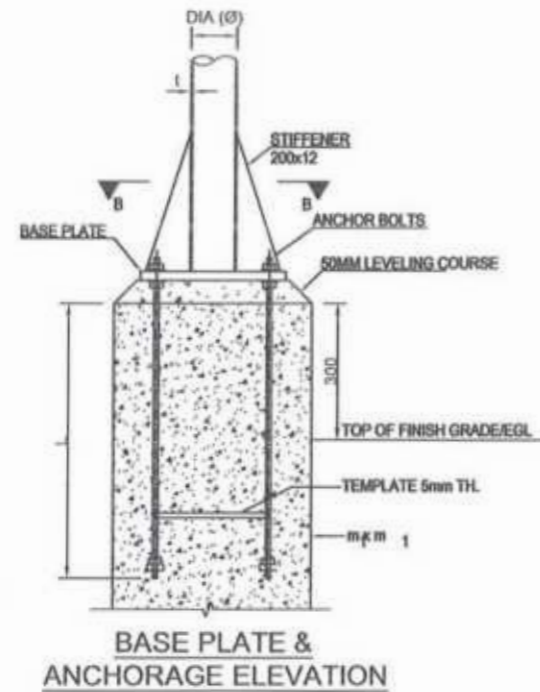
2 SINGLE POST
(A < 1.5m.) 2 <
FOUNDATION TYPE-1



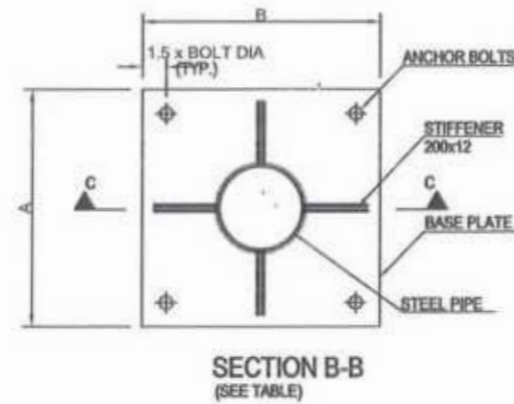
DOUBLE POST (A < 3m.) 2 <
FOUNDATION TYPE-2



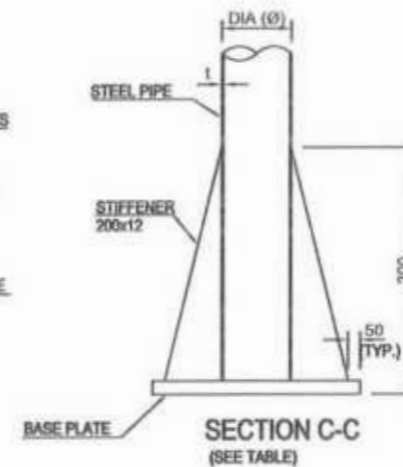
DOUBLE POST (A < 20m.) 2 <
FOUNDATION TYPE-3



BASE PLATE &
ANCHORAGE ELEVATION



SECTION B-B
(SEE TABLE)



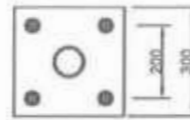
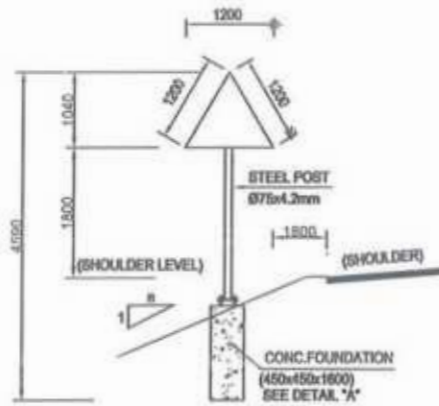
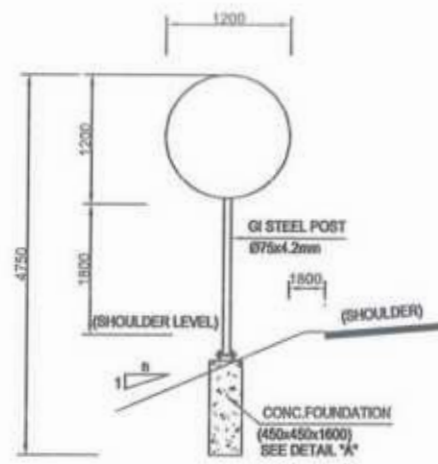
SECTION C-C
(SEE TABLE)

NOTES:-

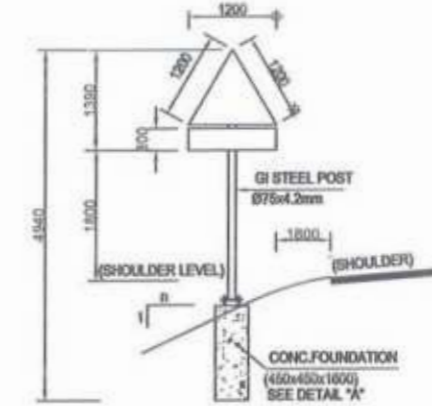
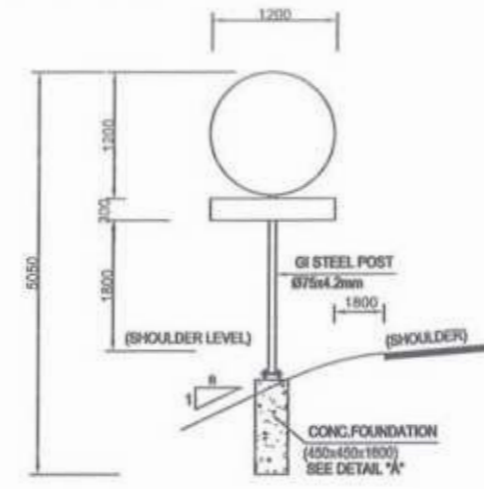
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
- FABRICATION GALVANIZING AND ERECTION TO BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- AFTER FABRICATION AND BEFORE GALVANIZING THE TRIAL ASSEMBLY OF COMPLETE STRUCTURE SHALL BE DONE.
- ALL COMPONENTS TO BE HOT DIP GALVANIZED IN ACCORDANCE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

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	AAMIR KHAN	N-GHT-7 RECH ROAD CHITRAL	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS
		e			DRAWN	IMRAN TARIO		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	
		b			CHECKED	SHAHZAD DURRANI	AUG. 2024		
		c			APPROVED	AOEEL YOUSUF			DWG NO. CEC/KP-RRDP/RRD/CHT-7/750 - 074

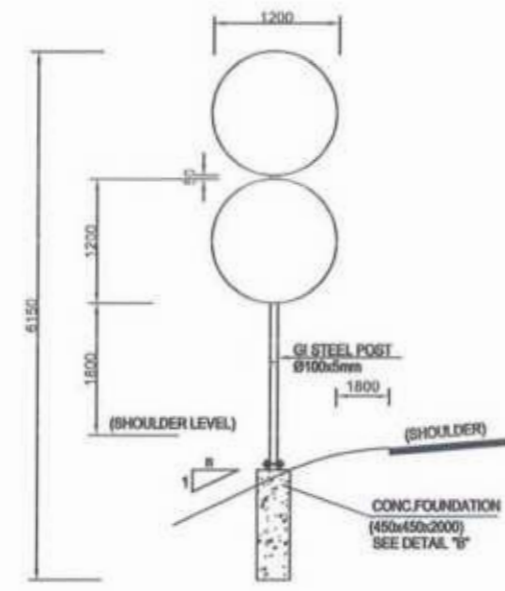
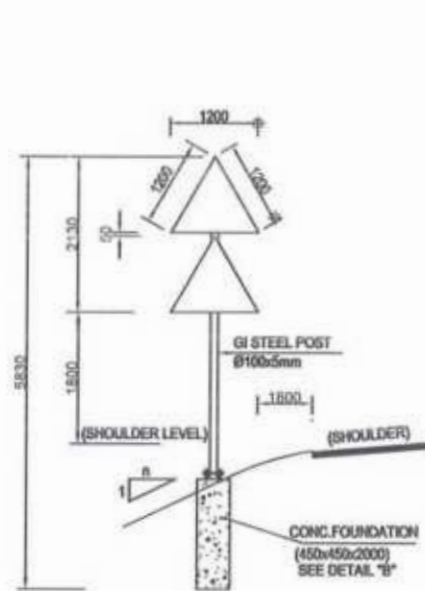


TYPICAL PLAN

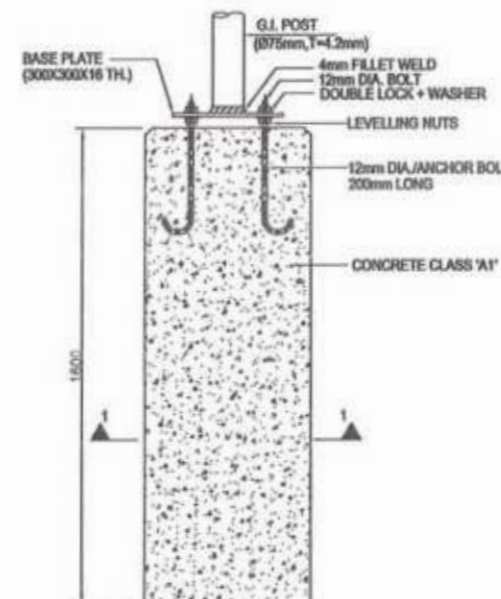


SINGLE SIGNS WITH ADDITIONAL PLATE
FOUNDATION TYPE-1

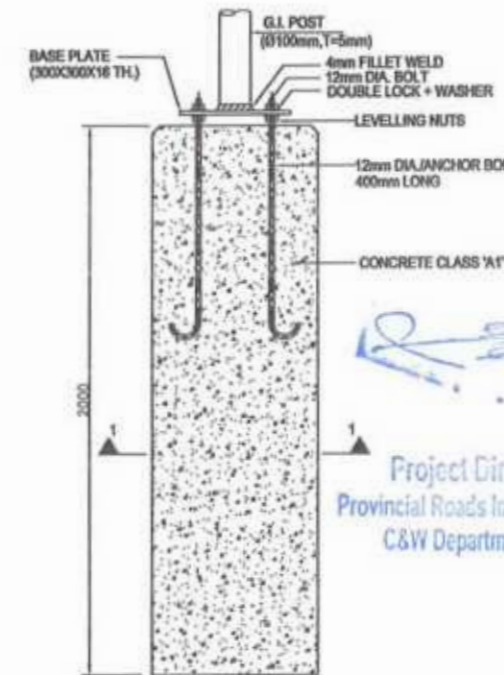
SINGLE SIGNS
FOUNDATION TYPE-1



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.

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. 5833-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: AAMIR KHAN	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)</p>	N-CHT-7 RECH ROAD CHITRAL	N.T.S.	<p>TRAFFIC SIGNS FOUNDATION DETAILS</p>	
		a			DRAWN: IMRAN TARIQ					DATE:
		b			CHECKED: SHAHZAD DURRIANI					AUG. 2024
		c			APPROVED: AQEEL YOUNIS					DWG NO. CECRP/RRDP/PIU/N-CHT-7/150 - 071

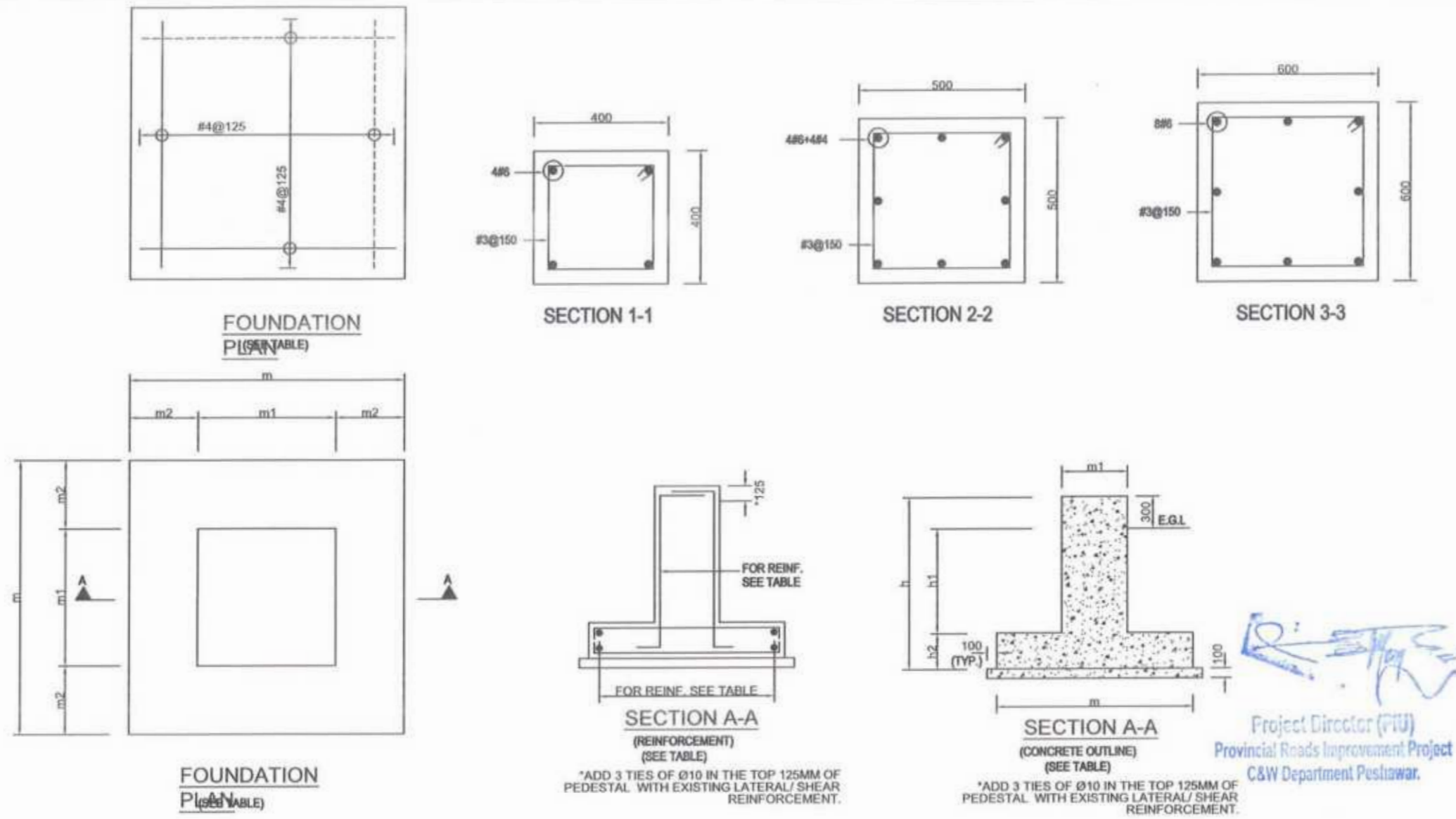


TABLE - 1

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)		
3 < A < 5	400x400	1000x1000	400	1250	350	1800	125	6	300x300	22	16	400	4	SEE SEC. 1-1
5 < A < 10	500x500	1350x1350	525	1175	425	1800	150	10	400x400	25	20	450	4	SEE SEC. 2-2
10 < A < 15	500x500	1500x1500	525	1125	475	1800	175	10	400x400	28	22	500	4	SEE SEC. 2-2
15 < A < 20	600x600	1750x1750	625	1050	550	1800	200	10	500x500	32	25	600	4	SEE SEC. 3-3

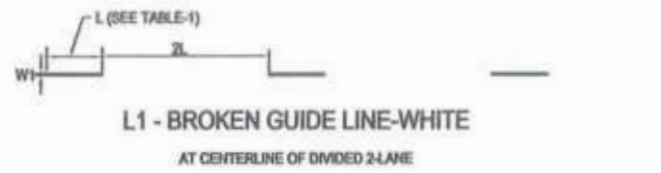
TABLE - 2

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>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7 RECH ROAD CHITRAL	N.T.S	TRAFFIC SIGNS FOUNDATION DETAILS
		1			DRAWN: IMRAN FAROQ			DATE:	
		2			CHECKED: SHAHZAD DURRANI			AUG. 2024	
		3			APPROVED: AQEEL YOUNG				
					DWG NO. CE&WP-RRDP/WM-N-CHT-7/TSD - 07g				

PAVEMENT MARKING LINES

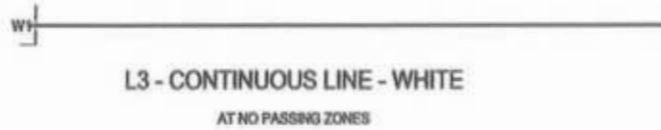
FOR DIMENSIONS L & W1 TO W5, SEE TABLE-1



L1 - BROKEN GUIDE LINE-WHITE
AT CENTERLINE OF DIVIDED 2-LANE



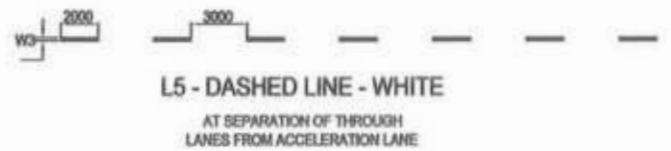
L2 - BROKEN WARNING LINE -WHITE
LANE MARKING FOR MIX TRAFFIC



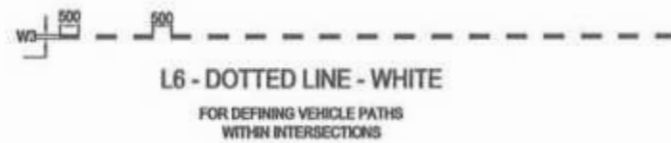
L3 - CONTINUOUS LINE - WHITE
AT NO PASSING ZONES



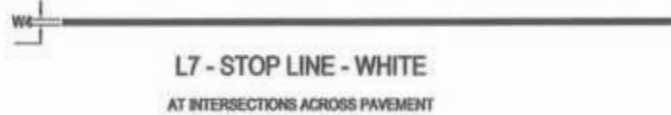
L4 - CONTINUOUS EDGE LINE -YELLOW
AT EDGE OF PAVEMENT AT ALL LOCATIONS



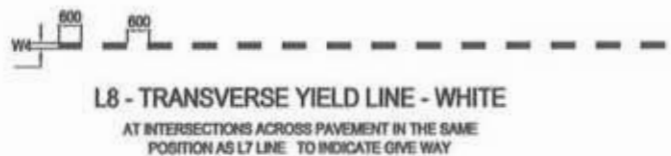
L5 - DASHED LINE - WHITE
AT SEPARATION OF THROUGH LANES FROM ACCELERATION LANE



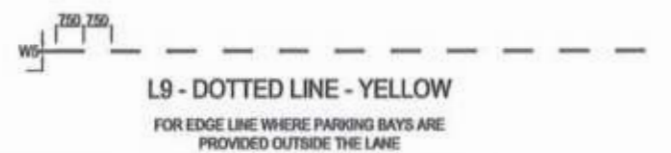
L6 - DOTTED LINE - WHITE
FOR DEFINING VEHICLE PATHS WITHIN INTERSECTIONS



L7 - STOP LINE - WHITE
AT INTERSECTIONS ACROSS PAVEMENT



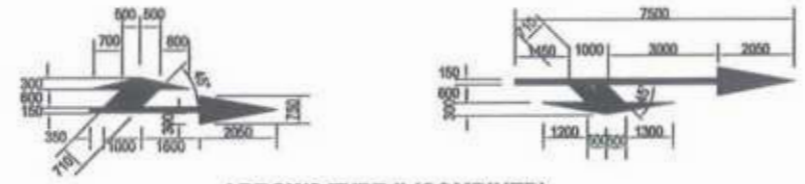
L8 - TRANSVERSE YIELD LINE - WHITE
AT INTERSECTIONS ACROSS PAVEMENT IN THE SAME POSITION AS L7 LINE TO INDICATE ONE WAY



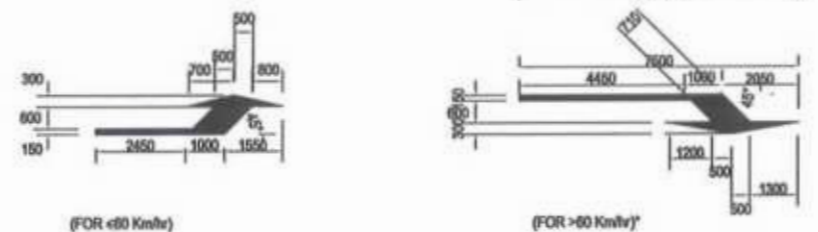
L9 - DOTTED LINE - YELLOW
FOR EDGE LINE WHERE PARKING BAYS ARE PROVIDED OUTSIDE THE LANE



ARROWS TYPE-I (STRAIGHT)



ARROWS TYPE-II (COMBINED)



ARROWS TYPE-III (DEFLECTION)

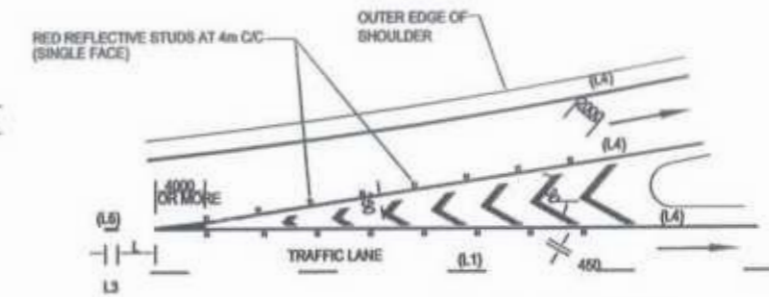
LANE SELECTION ARROWS - WHITE

TABLE - 1

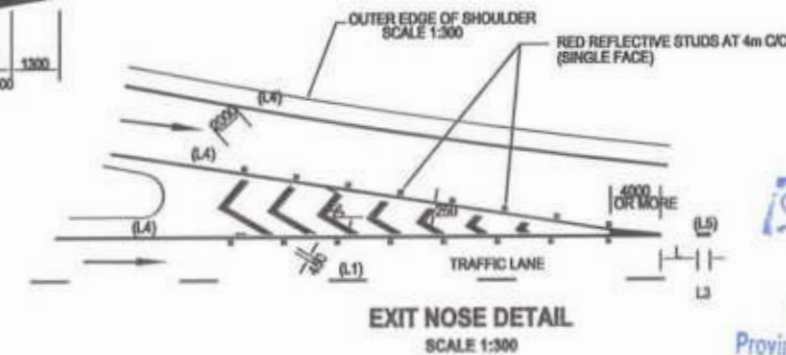
ROADWAY SPEED	L (mm)	W1	W2	W3	W4	W5
<50 Km/hr	2000	100	100	100	300	100
60-80 Km/hr*	3000	120	120	150	300	100
>80 Km/hr	4000	150	150	150	300	120
SERVICE ROAD	2000	100	120	100	300	100



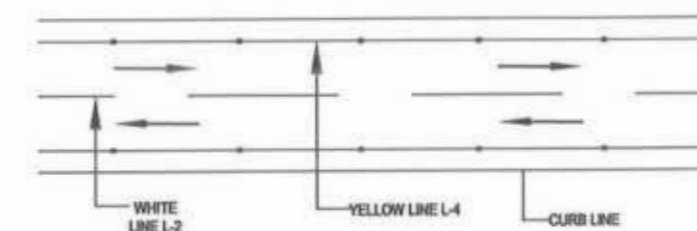
REFLECTORISED PAVEMENT STUD (RAISED PROFILE TYPE)



ENTRANCE NOSE DETAIL



EXIT NOSE DETAIL SCALE 1:300



PROJECT ROAD

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

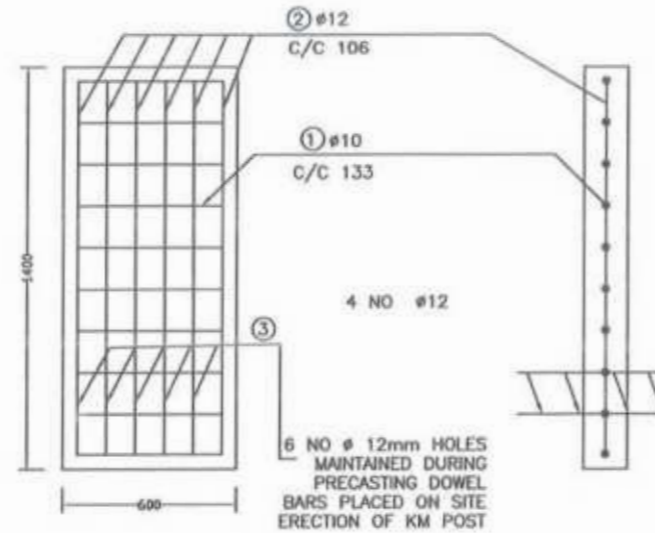
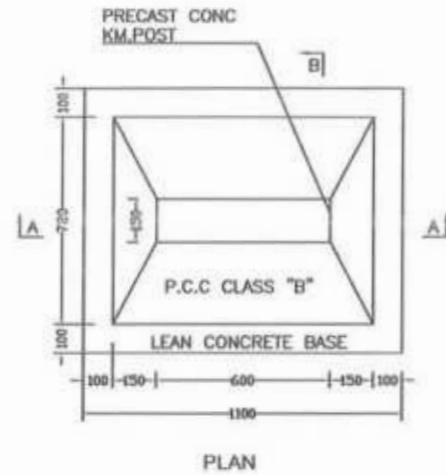
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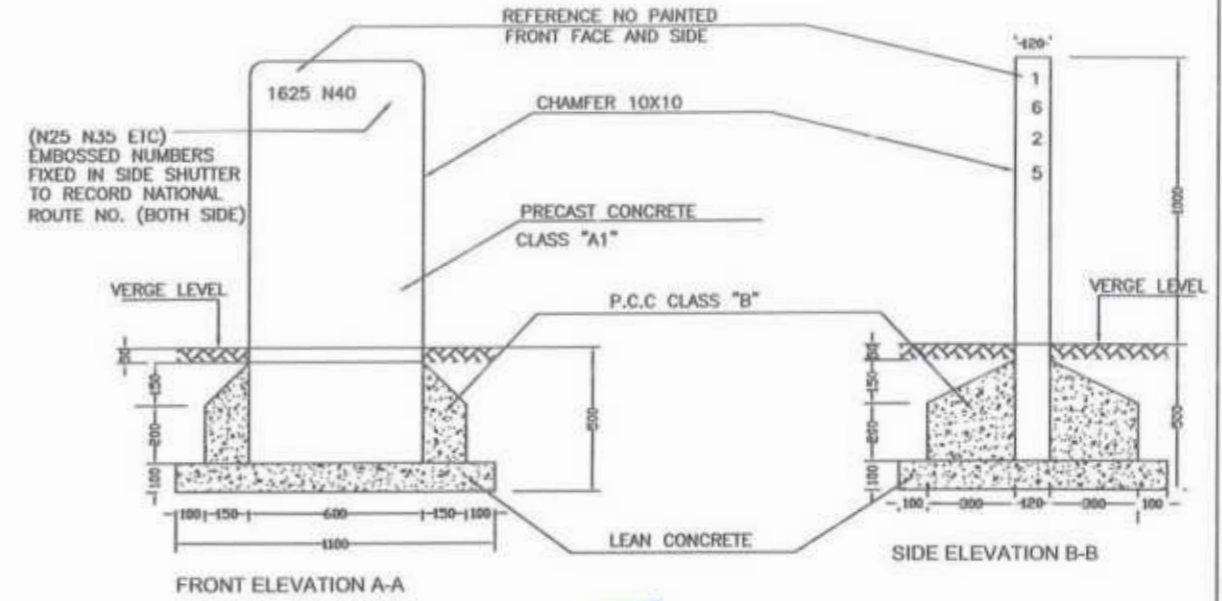
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: TYPICAL PAVEMENT MARKING DETAILS DATE: AUG, 2024 DWG NO. CEC/RP-RRDP/PIU/N-CHT-7: PM-08
		a			DRAWN	IMRAN TARO				
		b			CHECKED	SHAHZAD DURRANI				
		c			APPROVED	AOEEL YOUSIF				

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

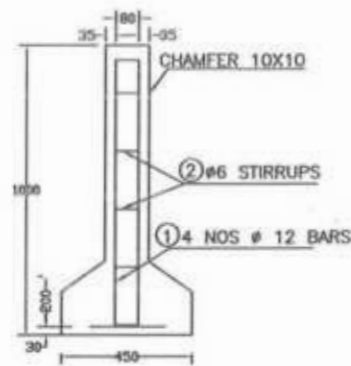
TABLE-1
REINFORCEMENT SCHEDULE



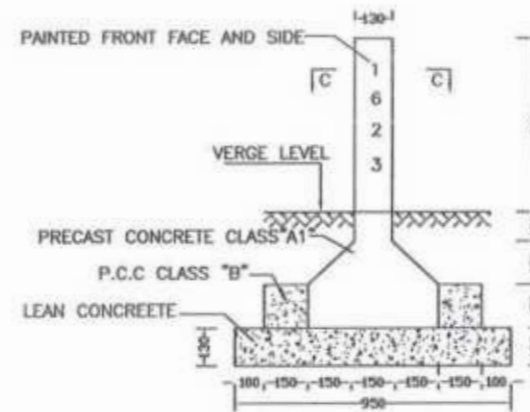
REINFORCEMENT DETAIL
.SEE TABLE-1 OF REINFORCEMENT SCHEDULE



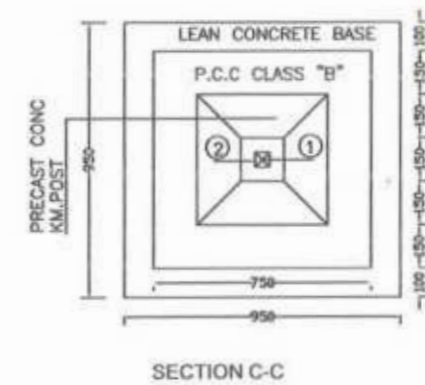
FIVE KILOMETER POST



REINFORCEMENT DETAIL
.SEE TABLE-2 OF REINFORCEMENT SCHEDULE



ONE KILOMETER POST



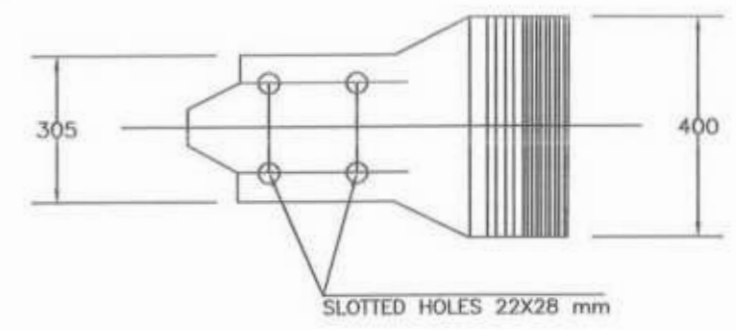
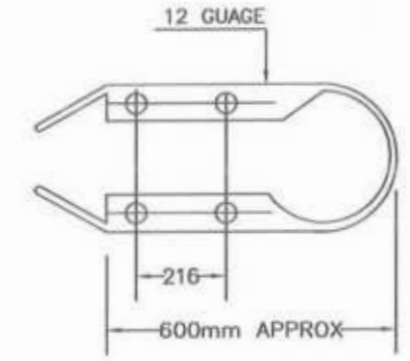
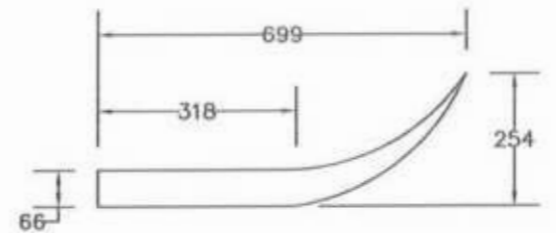
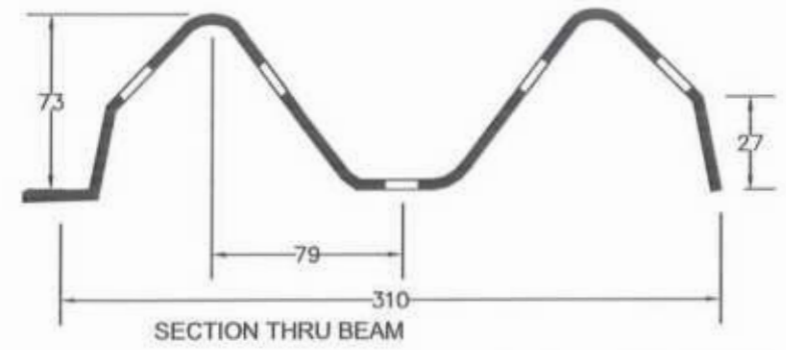
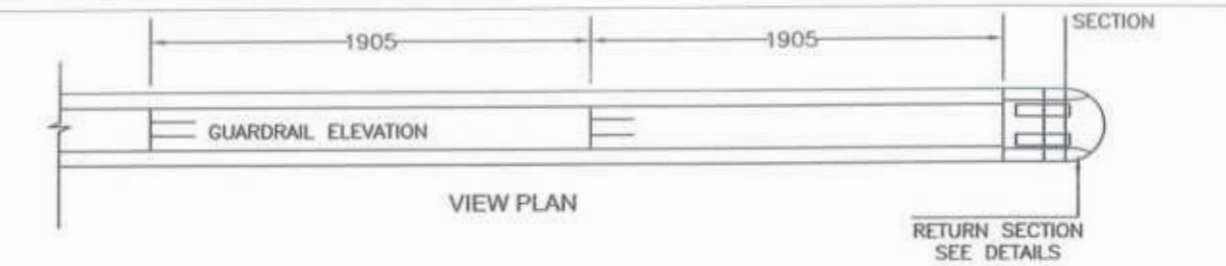
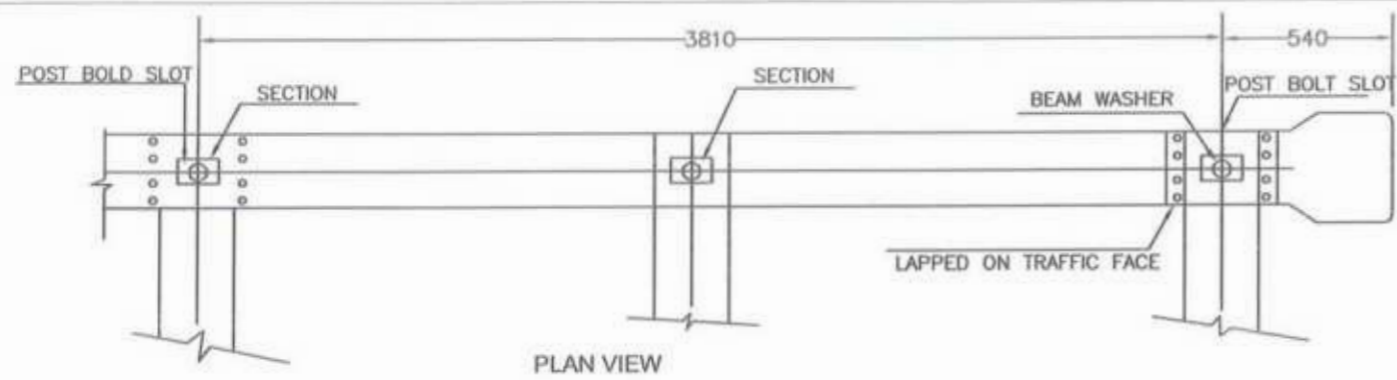
BAR NO	DESCRIPTION	DIA. (mm)	NO
①	230	12	4
②	40/80	6	9

TABLE-2
REINFORCEMENT SCHEDULE

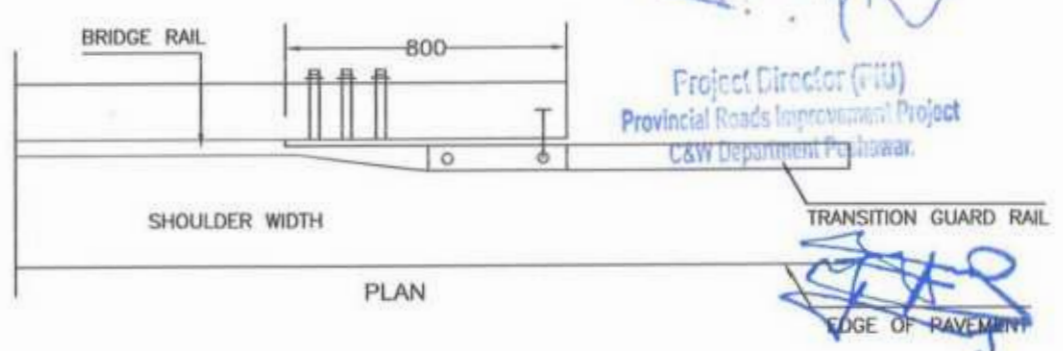
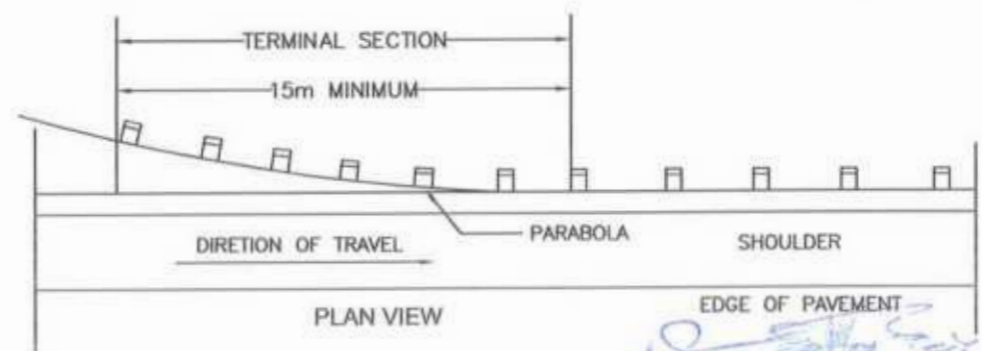
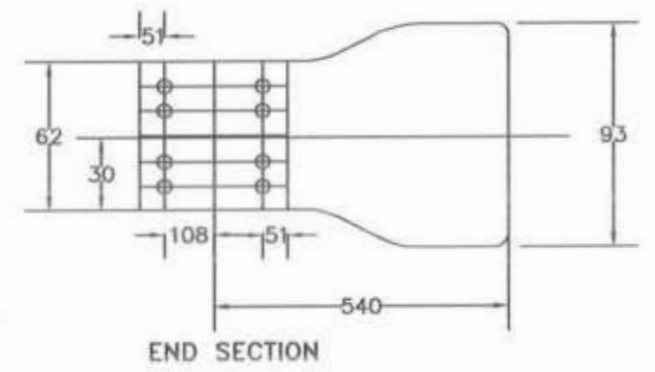
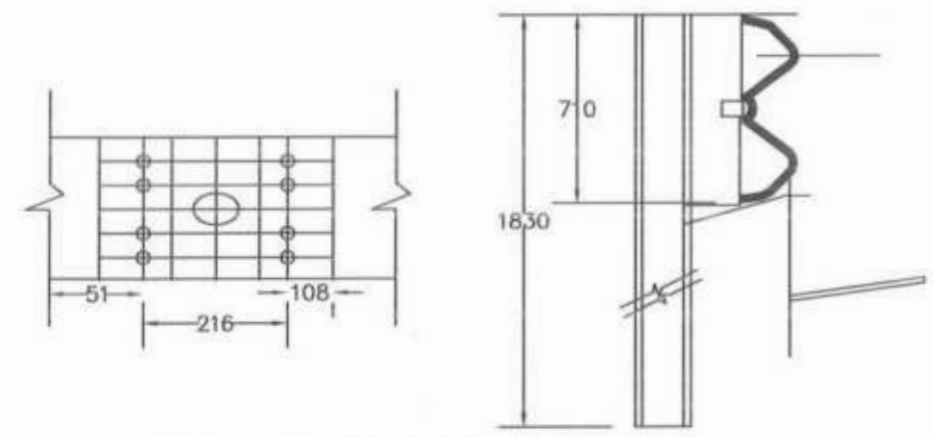
NOTES:-

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.

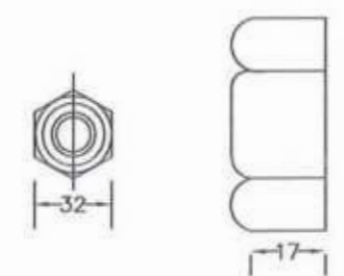
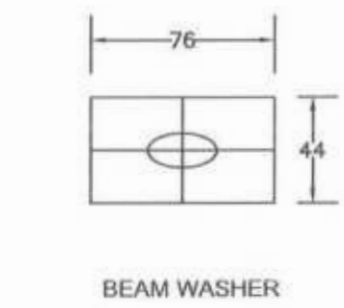
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	N-CHT-7 RECH ROAD CHITRAL	N.T.S	KM POST DETAILS	
		a			DRAWN	IMRAN TARIQ		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)		FLOOD AFFECTED ROAD
		b			CHECKED	SHAHZAD DURRANI	AUG, 2024			
		c			APPROVED	AQEEL YOUNIS	DWG NO: CECP/RRDP/PIU/N-CHT-7			



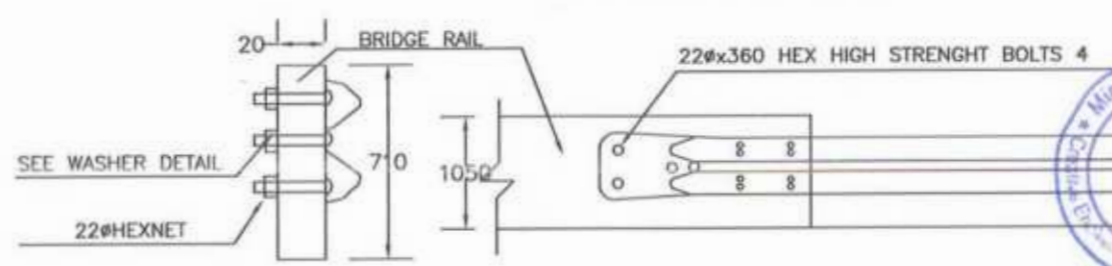
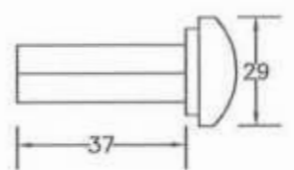
RETURN SECTION TERMINAL



STEEL GUARD RAIL DETAILS



(15.875mm) POST OR SLICE BOLT AND NET



SEC. C-C ELEVATION

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



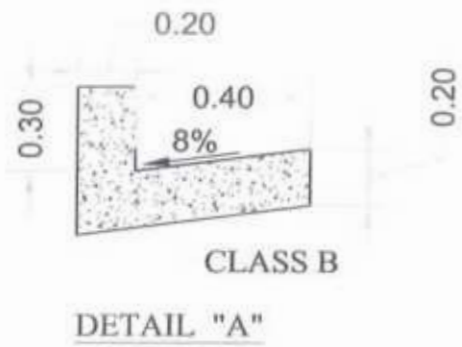
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	N-CHT-7 RECH ROAD CHITRAL	FLOOD AFFECTED ROAD		N.T.S
		1			DRAWN	IMRAN TARIQ					DATE:
		2			CHECKED	SHAHZAD DURRANI					AUG. 2024
		3			APPROVED	AGEEL YOUNIS					DWG NO. CEC/KP-RRDP/PIU/N-CHT-7 GR-10
4											

TYPICAL SECTIONS

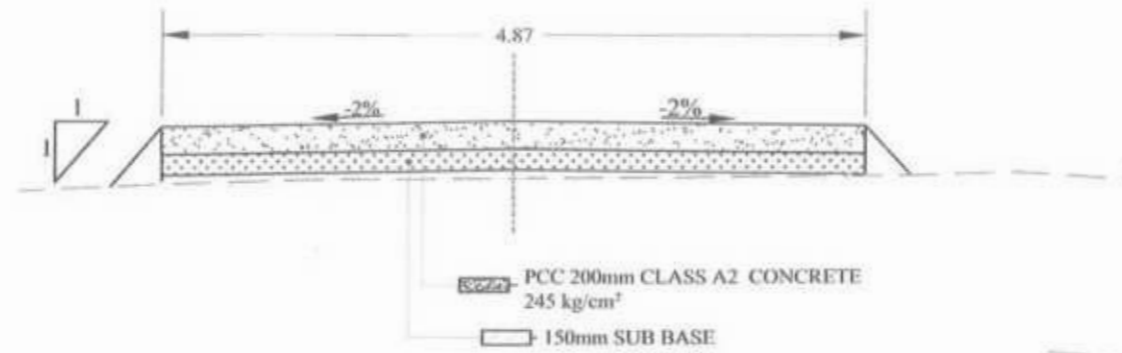


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

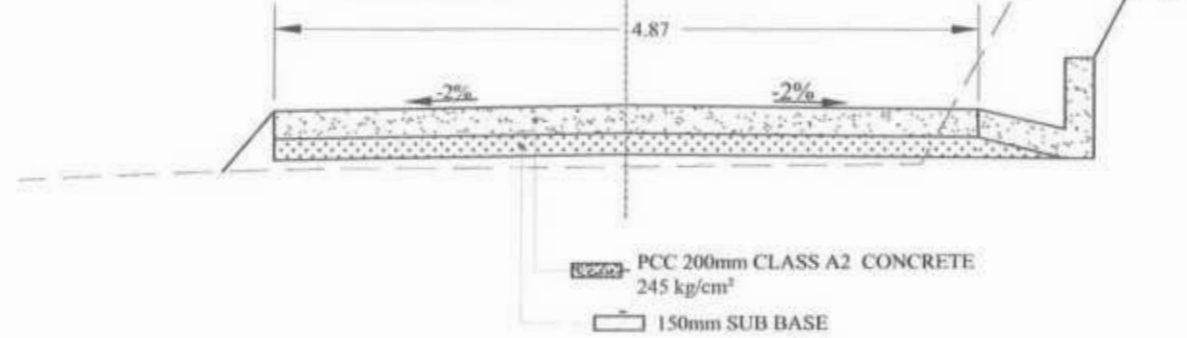




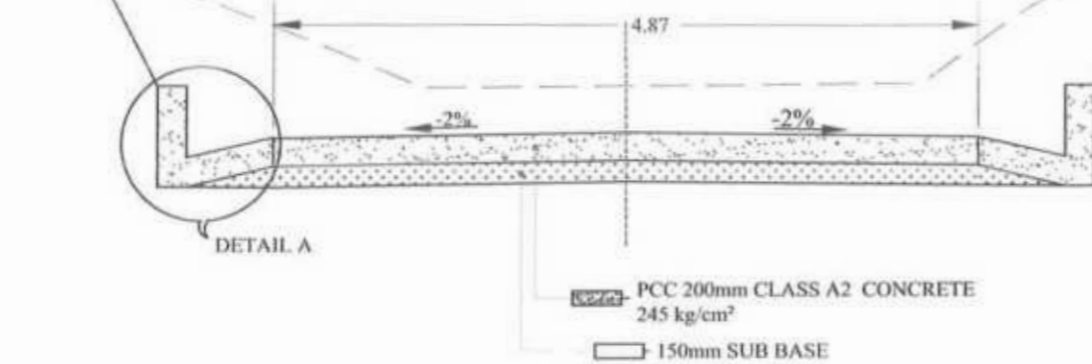
TYPICAL CROSS SECTION FOR OPEN AREA



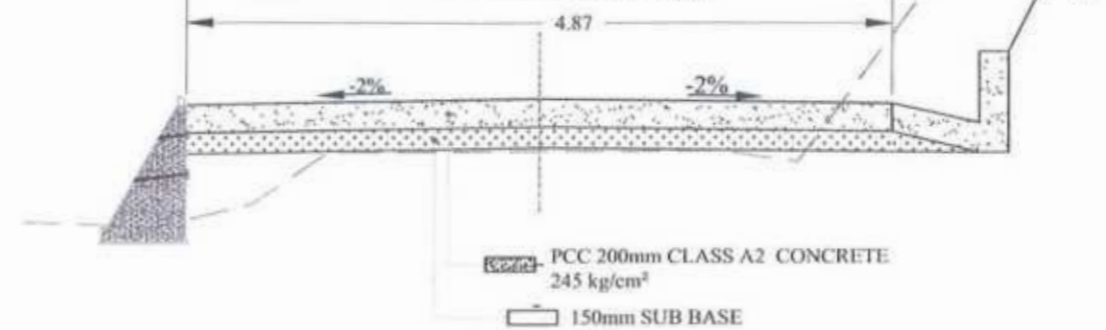
TYPICAL CROSS SECTION FOR ONE SIDE CUT



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) N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	DESIGNED: REHMAT		NTS:	TYPICAL CROSS SECTIONS
		1			DRAWN: INAM ULLAH		DATE:	
		2			CHECKED: S-DURRANI		AUG. 2024	
		3			APPROVED: AQEEL YOUNIS		DWGNO: CEC/KP-RRDP/HWN-CHT-7/TCS-01	

CENTER LINE DATA


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





CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
1	0+000.00	4,040,491.00	269,276.95
2	0+025.00	4,040,512.83	269,289.14
3	0+050.00	4,040,534.66	269,301.32
4	0+075.00	4,040,555.27	269,315.38
5	0+100.00	4,040,573.13	269,332.52
6	0+125.00	4,040,590.54	269,349.95
7	0+150.00	4,040,608.95	269,366.24
8	0+175.00	4,040,631.80	269,376.25
9	0+200.00	4,040,655.24	269,384.80
10	0+225.00	4,040,675.37	269,399.61
11	0+250.00	4,040,694.55	269,415.63
12	0+275.00	4,040,712.82	269,432.69
13	0+300.00	4,040,734.87	269,443.94
14	0+325.00	4,040,759.34	269,448.86
15	0+350.00	4,040,784.33	269,448.91
16	0+375.00	4,040,809.06	269,451.92
17	0+400.00	4,040,830.59	269,464.53
18	0+425.00	4,040,846.14	269,483.89
19	0+450.00	4,040,862.37	269,502.74
20	0+475.00	4,040,882.62	269,517.36
21	0+500.00	4,040,903.92	269,530.45
22	0+525.00	4,040,925.57	269,542.93
23	0+550.00	4,040,947.80	269,554.37
24	0+575.00	4,040,969.76	269,566.29
25	0+600.00	4,040,987.83	269,583.42
26	0+625.00	4,041,005.94	269,600.48
27	0+650.00	4,041,027.43	269,613.21
28	0+675.00	4,041,051.64	269,619.15
29	0+700.00	4,041,076.53	269,619.67
30	0+725.00	4,041,098.82	269,630.58
31	0+750.00	4,041,123.74	269,631.72
32	0+775.00	4,041,148.62	269,633.50
33	0+800.00	4,041,172.20	269,641.73
34	0+825.00	4,041,194.32	269,653.30
35	0+850.00	4,041,217.31	269,662.93
36	0+875.00	4,041,241.72	269,668.11
37	0+900.00	4,041,265.53	269,675.66
38	0+925.00	4,041,289.50	269,682.45
39	0+950.00	4,041,311.28	269,694.72
40	0+975.00	4,041,334.56	269,703.75

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
41	1+000.00	4,041,355.60	269,717.19
42	1+025.00	4,041,373.68	269,734.41
43	1+050.00	4,041,393.87	269,748.28
44	1+075.00	4,041,413.96	269,762.52
45	1+100.00	4,041,434.87	269,775.77
46	1+125.00	4,041,454.35	269,791.18
47	1+150.00	4,041,475.59	269,804.38
48	1+175.00	4,041,495.79	269,819.06
49	1+200.00	4,041,517.56	269,831.11
50	1+225.00	4,041,540.52	269,841.02
51	1+250.00	4,041,562.06	269,853.64
52	1+275.00	4,041,581.03	269,869.87
53	1+300.00	4,041,597.13	269,888.97
54	1+325.00	4,041,612.57	269,908.64
55	1+350.00	4,041,627.40	269,928.75
56	1+375.00	4,041,646.67	269,944.58
57	1+400.00	4,041,666.16	269,960.16
58	1+425.00	4,041,681.85	269,979.61
59	1+450.00	4,041,699.17	269,997.38
60	1+475.00	4,041,722.78	270,005.36
61	1+500.00	4,041,741.70	270,021.18
62	1+525.00	4,041,760.69	270,037.22
63	1+550.00	4,041,782.94	270,048.60
64	1+575.00	4,041,806.24	270,057.63
65	1+600.00	4,041,829.12	270,067.56
66	1+625.00	4,041,848.29	270,083.54
67	1+650.00	4,041,870.32	270,095.18
68	1+675.00	4,041,894.39	270,101.56
69	1+700.00	4,041,916.99	270,111.58
70	1+725.00	4,041,935.86	270,127.49
71	1+750.00	4,041,955.53	270,142.41
72	1+775.00	4,041,973.39	270,159.84
73	1+800.00	4,041,993.30	270,174.95
74	1+825.00	4,042,013.08	270,190.24
75	1+850.00	4,042,031.48	270,207.15
76	1+875.00	4,042,049.12	270,224.86
77	1+900.00	4,042,065.89	270,243.39
78	1+925.00	4,042,080.80	270,263.45
79	1+950.00	4,042,095.99	270,283.29
80	1+975.00	4,042,114.40	270,300.13

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
81	2+000.00	4,042,135.46	270,313.59
82	2+025.00	4,042,156.76	270,326.68
83	2+050.00	4,042,178.86	270,338.16
84	2+075.00	4,042,202.55	270,345.92
85	2+100.00	4,042,225.00	270,356.92
86	2+125.00	4,042,247.92	270,366.90
87	2+150.00	4,042,271.38	270,365.05
88	2+175.00	4,042,295.44	270,365.24
89	2+200.00	4,042,311.35	270,383.53
90	2+225.00	4,042,332.52	270,396.82
91	2+250.00	4,042,353.74	270,410.04
92	2+275.00	4,042,376.03	270,421.31
93	2+300.00	4,042,399.07	270,431.01
94	2+325.00	4,042,420.62	270,443.52
95	2+350.00	4,042,444.23	270,450.81
96	2+375.00	4,042,466.40	270,462.36
97	2+400.00	4,042,488.57	270,473.91
98	2+425.00	4,042,510.75	270,485.46
99	2+450.00	4,042,532.92	270,497.01
100	2+475.00	4,042,555.26	270,508.21
101	2+500.00	4,042,577.73	270,519.18
102	2+525.00	4,042,599.86	270,530.82
103	2+550.00	4,042,621.96	270,542.50
104	2+575.00	4,042,644.06	270,554.19
105	2+600.00	4,042,665.18	270,567.54
106	2+625.00	4,042,687.49	270,578.73
107	2+650.00	4,042,708.26	270,592.14
108	2+675.00	4,042,725.80	270,609.93
109	2+700.00	4,042,745.15	270,625.76
110	2+725.00	4,042,764.55	270,641.54
111	2+750.00	4,042,783.94	270,657.31
112	2+775.00	4,042,805.92	270,668.65
113	2+800.00	4,042,827.54	270,681.20
114	2+825.00	4,042,849.04	270,693.95
115	2+850.00	4,042,870.41	270,706.93
116	2+875.00	4,042,892.07	270,719.39
117	2+900.00	4,042,913.44	270,732.25
118	2+925.00	4,042,935.26	270,744.35
119	2+950.00	4,042,958.41	270,753.74
120	2+975.00	4,042,982.22	270,760.13

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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	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	Tender Drawings.	G DESIGNED	AMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	NTS	CENTRE LINE COORDINATES DWG NO:CEC/KP-RRDP/HW/N-CHT-7/CLD-01
		e			DRAWN	IMRAN TARIQ				
		b			CHECKED	SHAHZAD DURANI				
c			APPROVED	AQEEL YOUNIS						

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
121	3+000.00	4,043,005.23	270,769.46
122	3+025.00	4,043,027.77	270,780.26
123	3+050.00	4,043,051.45	270,788.27
124	3+075.00	4,043,073.92	270,799.19
125	3+100.00	4,043,096.40	270,810.10
126	3+125.00	4,043,119.69	270,819.19
127	3+150.00	4,043,143.01	270,828.20
128	3+175.00	4,043,166.32	270,837.22
129	3+200.00	4,043,188.35	270,848.57
130	3+225.00	4,043,201.26	270,869.77
131	3+250.00	4,043,225.55	270,873.17
132	3+275.00	4,043,248.95	270,881.84
133	3+300.00	4,043,273.42	270,886.93
134	3+325.00	4,043,298.22	270,889.83
135	3+350.00	4,043,322.94	270,892.87
136	3+375.00	4,043,344.64	270,905.01
137	3+400.00	4,043,366.28	270,917.34
138	3+425.00	4,043,390.70	270,922.15
139	3+450.00	4,043,415.64	270,923.91
140	3+475.00	4,043,437.78	270,934.57
141	3+500.00	4,043,456.84	270,950.69
142	3+525.00	4,043,479.39	270,961.39
143	3+550.00	4,043,502.41	270,971.14
144	3+575.00	4,043,525.39	270,980.97
145	3+600.00	4,043,543.08	270,997.45
146	3+625.00	4,043,566.94	271,004.88
147	3+650.00	4,043,589.78	271,015.00
148	3+675.00	4,043,612.65	271,025.05
149	3+700.00	4,043,636.28	271,033.22
150	3+725.00	4,043,658.76	271,044.07
151	3+750.00	4,043,680.36	271,056.66
152	3+775.00	4,043,702.05	271,069.09
153	3+800.00	4,043,724.34	271,080.41
154	3+825.00	4,043,746.77	271,091.45
155	3+850.00	4,043,768.51	271,103.79
156	3+875.00	4,043,792.10	271,111.56
157	3+900.00	4,043,815.89	271,119.05
158	3+925.00	4,043,837.72	271,131.09
159	3+950.00	4,043,859.46	271,141.06
160	3+975.00	4,043,882.86	271,149.57




CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
161	4+000.00	4,043,905.59	271,159.98
162	4+025.00	4,043,928.00	271,171.04
163	4+050.00	4,043,950.29	271,182.37
164	4+075.00	4,043,972.58	271,193.69
165	4+100.00	4,043,991.21	271,210.01
166	4+125.00	4,044,009.46	271,226.52
167	4+150.00	4,044,032.99	271,234.09
168	4+175.00	4,044,051.54	271,250.84
169	4+200.00	4,044,071.49	271,265.82
170	4+225.00	4,044,093.99	271,276.70
171	4+250.00	4,044,116.63	271,287.29
172	4+275.00	4,044,138.21	271,299.89
173	4+300.00	4,044,158.34	271,314.62
174	4+325.00	4,044,169.24	271,336.17
175	4+350.00	4,044,166.43	271,360.08
176	4+375.00	4,044,188.80	271,367.93
177	4+400.00	4,044,213.75	271,369.53
178	4+425.00	4,044,238.01	271,375.18
179	4+450.00	4,044,260.42	271,386.23
180	4+475.00	4,044,282.09	271,398.63
181	4+500.00	4,044,303.40	271,411.60
182	4+525.00	4,044,325.34	271,423.55
183	4+550.00	4,044,346.25	271,437.25
184	4+575.00	4,044,367.45	271,450.48
185	4+600.00	4,044,390.21	271,460.79
186	4+625.00	4,044,408.17	271,477.39
187	4+650.00	4,044,421.84	271,498.25
188	4+675.00	4,044,443.59	271,510.01
189	4+700.00	4,044,467.07	271,518.60
190	4+725.00	4,044,487.74	271,532.12
191	4+750.00	4,044,507.16	271,547.79
192	4+775.00	4,044,527.97	271,561.63
193	4+800.00	4,044,551.79	271,568.47
194	4+825.00	4,044,573.25	271,581.12
195	4+850.00	4,044,596.43	271,590.44
196	4+875.00	4,044,620.97	271,593.41
197	4+900.00	4,044,645.67	271,589.75
198	4+925.00	4,044,670.61	271,591.43
199	4+950.00	4,044,695.38	271,594.53
200	4+975.00	4,044,718.38	271,604.11

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
201	5+000.00	4,044,741.58	271,602.27
202	5+025.00	4,044,756.13	271,582.00
203	5+050.00	4,044,771.93	271,562.74
204	5+075.00	4,044,784.81	271,541.46
205	5+100.00	4,044,807.77	271,532.84
206	5+125.00	4,044,830.99	271,539.73
207	5+150.00	4,044,852.30	271,552.73
208	5+175.00	4,044,876.85	271,556.59
209	5+200.00	4,044,900.07	271,565.49
210	5+225.00	4,044,922.66	271,576.19
211	5+250.00	4,044,946.52	271,583.60
212	5+275.00	4,044,968.33	271,595.69
213	5+300.00	4,044,991.23	271,604.93
214	5+325.00	4,045,010.27	271,617.98
215	5+350.00	4,045,021.35	271,640.32
216	5+375.00	4,045,036.69	271,660.05
217	5+400.00	4,045,056.10	271,675.70
218	5+425.00	4,045,063.51	271,699.37
219	5+450.00	4,045,060.77	271,723.97
220	5+475.00	4,045,072.22	271,745.98
221	5+500.00	4,045,089.92	271,763.36
222	5+525.00	4,045,111.44	271,775.83
223	5+550.00	4,045,130.58	271,791.67
224	5+575.00	4,045,151.44	271,804.02
225	5+600.00	4,045,176.21	271,806.76
226	5+625.00	4,045,198.39	271,818.20
227	5+650.00	4,045,221.30	271,827.95
228	5+675.00	4,045,243.56	271,838.99
229	5+700.00	4,045,266.71	271,846.06
230	5+725.00	4,045,291.55	271,845.04
231	5+750.00	4,045,315.76	271,850.72
232	5+775.00	4,045,339.75	271,856.57
233	5+800.00	4,045,364.18	271,860.94
234	5+825.00	4,045,387.14	271,870.57
235	5+850.00	4,045,406.76	271,886.04
236	5+875.00	4,045,428.30	271,898.41
237	5+900.00	4,045,451.55	271,907.58
238	5+925.00	4,045,469.59	271,924.07
239	5+950.00	4,045,482.34	271,945.54
240	5+975.00	4,045,497.54	271,961.57


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	Tender Drawings.	G. DESIGNED	AMIR KHAN					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL	NTS		
		b			DRAWN	IMRAN TARIQ								FLOOD AFFECTED ROAD	AUG. 2024
		c			CHECKED	SHAHZAD DURANI									
			APPROVED	AGEEL YOUNIS	DWG NO. CEC/KP-RRDP/H/W/N-CHT-7/CLD-02										

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
241	6+000.00	4,045,521.36	271,964.74
242	6+025.00	4,045,540.62	271,979.46
243	6+050.00	4,045,561.93	271,989.90
244	6+075.00	4,045,582.98	272,002.55
245	6+100.00	4,045,600.89	272,019.79
246	6+125.00	4,045,619.28	272,036.52
247	6+150.00	4,045,641.17	272,048.54
248	6+175.00	4,045,663.92	272,058.52
249	6+200.00	4,045,684.95	272,070.85
250	6+225.00	4,045,693.50	272,094.22
251	6+250.00	4,045,693.77	272,118.64
252	6+275.00	4,045,713.39	272,132.70
253	6+300.00	4,045,737.81	272,136.87
254	6+325.00	4,045,762.69	272,138.38
255	6+350.00	4,045,786.90	272,144.26
256	6+375.00	4,045,800.69	272,164.46
257	6+400.00	4,045,823.30	272,173.67
258	6+425.00	4,045,843.67	272,187.05
259	6+450.00	4,045,851.59	272,210.12
260	6+475.00	4,045,871.35	272,218.66
261	6+500.00	4,045,895.91	272,223.22
262	6+525.00	4,045,920.25	272,228.89
263	6+550.00	4,045,943.27	272,238.38
264	6+575.00	4,045,958.59	272,257.80
265	6+600.00	4,045,976.15	272,275.30
266	6+625.00	4,045,995.51	272,291.11
267	6+650.00	4,046,011.26	272,309.98
268	6+675.00	4,046,009.56	272,334.25
269	6+700.00	4,045,994.44	272,354.11
270	6+725.00	4,045,995.34	272,376.43
271	6+750.00	4,046,018.39	272,385.84
272	6+775.00	4,046,041.89	272,394.37
273	6+800.00	4,046,065.39	272,402.90
274	6+825.00	4,046,089.62	272,408.17
275	6+850.00	4,046,113.94	272,411.63
276	6+875.00	4,046,124.48	272,431.52
277	6+900.00	4,046,125.71	272,455.57
278	6+925.00	4,046,132.16	272,479.22
279	6+950.00	4,046,123.77	272,502.68
280	6+975.00	4,046,111.76	272,524.58




CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
281	7+000.00	4,046,098.28	272,545.63
282	7+025.00	4,046,082.15	272,564.73
283	7+050.00	4,046,070.40	272,585.81
284	7+075.00	4,046,088.71	272,599.30
285	7+100.00	4,046,113.50	272,602.34
286	7+125.00	4,046,137.53	272,596.39
287	7+150.00	4,046,151.30	272,614.93
288	7+175.00	4,046,158.25	272,638.94
289	7+200.00	4,046,170.98	272,660.18
290	7+225.00	4,046,191.76	272,673.83
291	7+250.00	4,046,214.32	272,684.58
292	7+275.00	4,046,238.12	272,691.87
293	7+300.00	4,046,259.45	272,703.04
294	7+325.00	4,046,277.66	272,719.25
295	7+350.00	4,046,302.38	272,722.14
296	7+375.00	4,046,322.13	272,737.04
297	7+400.00	4,046,343.61	272,749.54
298	7+425.00	4,046,366.61	272,759.34
299	7+450.00	4,046,390.85	272,764.27
300	7+475.00	4,046,413.40	272,774.45
301	7+500.00	4,046,435.74	272,785.52
302	7+525.00	4,046,460.14	272,790.08
303	7+550.00	4,046,480.06	272,776.04
304	7+575.00	4,046,494.97	272,756.20
305	7+600.00	4,046,505.53	272,734.41
306	7+625.00	4,046,529.70	272,728.11
307	7+650.00	4,046,552.67	272,734.80
308	7+675.00	4,046,569.81	272,753.00
309	7+700.00	4,046,590.32	272,766.35
310	7+725.00	4,046,615.19	272,765.04
311	7+750.00	4,046,638.25	272,770.70
312	7+775.00	4,046,655.68	272,788.46
313	7+800.00	4,046,677.43	272,800.55
314	7+825.00	4,046,702.31	272,801.22
315	7+850.00	4,046,723.81	272,809.23
316	7+875.00	4,046,741.31	272,826.32
317	7+900.00	4,046,762.73	272,839.10
318	7+925.00	4,046,785.59	272,830.76
319	7+950.00	4,046,807.54	272,828.64
320	7+975.00	4,046,831.19	272,836.66

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
321	8+000.00	4,046,855.76	272,841.31
322	8+025.00	4,046,879.93	272,847.57
323	8+050.00	4,046,904.59	272,850.69
324	8+075.00	4,046,929.47	272,852.64
325	8+100.00	4,046,953.18	272,860.48
326	8+125.00	4,046,977.24	272,867.26
327	8+150.00	4,047,001.05	272,874.77
328	8+175.00	4,047,024.05	272,884.57
329	8+200.00	4,047,048.36	272,889.76
330	8+225.00	4,047,071.14	272,898.84
331	8+250.00	4,047,093.21	272,910.53
332	8+275.00	4,047,114.91	272,922.89
333	8+300.00	4,047,136.55	272,935.35
334	8+325.00	4,047,159.23	272,945.82
335	8+350.00	4,047,181.95	272,956.19
336	8+375.00	4,047,205.17	272,965.46
337	8+400.00	4,047,228.50	272,974.43
338	8+425.00	4,047,252.07	272,982.77
339	8+450.00	4,047,274.06	272,994.54
340	8+475.00	4,047,295.56	273,007.29
341	8+500.00	4,047,318.27	273,017.74
342	8+525.00	4,047,341.12	273,027.88
343	8+550.00	4,047,364.32	273,037.18
344	8+575.00	4,047,387.48	273,046.59
345	8+600.00	4,047,408.26	273,060.32
346	8+625.00	4,047,425.32	273,078.58
347	8+650.00	4,047,441.66	273,097.50
348	8+675.00	4,047,457.62	273,116.73
349	8+700.00	4,047,479.87	273,127.05
350	8+725.00	4,047,504.46	273,131.60
351	8+750.00	4,047,528.47	273,138.39
352	8+775.00	4,047,550.68	273,149.81
353	8+800.00	4,047,572.47	273,162.07
354	8+825.00	4,047,594.82	273,173.25
355	8+850.00	4,047,617.28	273,184.23
356	8+875.00	4,047,639.61	273,195.47
357	8+900.00	4,047,660.77	273,208.76
358	8+925.00	4,047,682.39	273,221.23
359	8+950.00	4,047,705.17	273,231.47
360	8+975.00	4,047,726.14	273,245.06


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 (CORP/NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE	SHEET CONTENT:		
		a			G.DESIGNED	AMIR KHAN			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-7 RECH ROAD CHITRAL	NTS
		b			DRAWN	IMRAN TARIQ						DATE:
		c			CHECKED	SHAHZAD DURANI						AUG. 2024
			APPROVED	AQEEL YOUNIS								
										DWG NO:CEC/KP-RRDP/PIU/N-CHT-7/CLD-03		

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
361	9+000.00	4,047,748.53	273,256.16
362	9+025.00	4,047,769.63	273,269.50
363	9+050.00	4,047,790.47	273,283.31
364	9+075.00	4,047,811.42	273,296.95
365	9+100.00	4,047,832.37	273,310.59
366	9+125.00	4,047,853.48	273,323.97
367	9+150.00	4,047,876.33	273,334.05
368	9+175.00	4,047,899.65	273,343.05
369	9+200.00	4,047,922.98	273,352.05
370	9+225.00	4,047,945.38	273,362.88
371	9+250.00	4,047,962.57	273,380.98
372	9+275.00	4,047,985.12	273,384.51
373	9+300.00	4,048,008.42	273,385.84
374	9+325.00	4,048,032.54	273,382.46
375	9+350.00	4,048,056.69	273,376.07
376	9+375.00	4,048,081.49	273,377.46
377	9+400.00	4,048,105.57	273,384.00
378	9+425.00	4,048,126.54	273,396.97
379	9+450.00	4,048,120.47	273,420.12
380	9+475.00	4,048,127.96	273,435.26
381	9+500.00	4,048,151.72	273,430.19
382	9+525.00	4,048,169.28	273,447.73
383	9+550.00	4,048,184.24	273,467.73
384	9+575.00	4,048,197.07	273,489.19
385	9+600.00	4,048,209.83	273,510.68
386	9+625.00	4,048,222.59	273,532.18
387	9+650.00	4,048,235.35	273,553.68
388	9+675.00	4,048,248.11	273,575.18
389	9+700.00	4,048,265.26	273,592.94
390	9+725.00	4,048,283.06	273,610.46
391	9+750.00	4,048,300.56	273,628.30
392	9+775.00	4,048,321.76	273,641.44
393	9+800.00	4,048,345.19	273,649.95
394	9+825.00	4,048,368.59	273,658.60
395	9+850.00	4,048,390.91	273,669.83
396	9+875.00	4,048,411.71	273,683.60
397	9+900.00	4,048,430.53	273,699.20
398	9+925.00	4,048,448.64	273,682.94
399	9+950.00	4,048,465.17	273,664.19
400	9+975.00	4,048,485.99	273,660.82

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
401	10+000.00	4,048,503.70	273,678.46
402	10+025.00	4,048,522.40	273,695.02
403	10+050.00	4,048,542.30	273,710.15
404	10+075.00	4,048,563.35	273,723.42
405	10+100.00	4,048,587.32	273,730.50
406	10+125.00	4,048,610.74	273,739.04
407	10+150.00	4,048,631.56	273,752.88
408	10+175.00	4,048,653.41	273,764.91
409	10+200.00	4,048,674.14	273,778.58
410	10+225.00	4,048,693.71	273,794.08
411	10+250.00	4,048,714.42	273,808.06
412	10+275.00	4,048,733.32	273,824.41
413	10+300.00	4,048,753.01	273,839.77
414	10+325.00	4,048,770.50	273,857.64
415	10+350.00	4,048,787.44	273,876.01
416	10+375.00	4,048,806.79	273,891.82
417	10+400.00	4,048,824.32	273,909.64
418	10+425.00	4,048,839.23	273,929.57
419	10+450.00	4,048,847.04	273,952.89
420	10+475.00	4,048,848.21	273,977.07
421	10+500.00	4,048,863.79	273,996.61
422	10+525.00	4,048,875.40	274,018.71
423	10+550.00	4,048,891.94	274,036.96
424	10+575.00	4,048,910.49	274,053.69
425	10+600.00	4,048,928.23	274,071.31
426	10+625.00	4,048,945.31	274,089.57
427	10+650.00	4,048,966.23	274,102.72
428	10+675.00	4,048,989.84	274,110.90
429	10+700.00	4,049,012.30	274,121.88
430	10+725.00	4,049,033.84	274,134.52
431	10+750.00	4,049,054.76	274,148.21
432	10+775.00	4,049,076.16	274,161.14
433	10+800.00	4,049,097.79	274,173.67
434	10+825.00	4,049,121.05	274,182.55
435	10+850.00	4,049,141.96	274,195.62
436	10+875.00	4,049,158.10	274,214.71
437	10+900.00	4,049,173.89	274,234.09
438	10+925.00	4,049,189.05	274,253.97
439	10+950.00	4,049,204.18	274,273.87
440	10+975.00	4,049,219.31	274,293.78




CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
441	11+000.00	4,049,234.44	274,313.68
442	11+025.00	4,049,249.25	274,333.82
443	11+050.00	4,049,263.36	274,354.46
444	11+075.00	4,049,278.95	274,373.86
445	11+100.00	4,049,296.26	274,391.62
446	11+125.00	4,049,310.38	274,412.19
447	11+150.00	4,049,329.51	274,428.27
448	11+175.00	4,049,348.82	274,444.15
449	11+200.00	4,049,369.42	274,458.17
450	11+225.00	4,049,392.29	274,468.28
451	11+250.00	4,049,414.59	274,479.57
452	11+275.00	4,049,436.70	274,491.24
453	11+300.00	4,049,456.23	274,506.73
454	11+325.00	4,049,473.06	274,525.22
455	11+350.00	4,049,495.04	274,535.16
456	11+375.00	4,049,519.80	274,536.68
457	11+400.00	4,049,541.27	274,549.28
458	11+425.00	4,049,564.04	274,558.96
459	11+450.00	4,049,588.09	274,565.71
460	11+475.00	4,049,610.06	274,577.55
461	11+500.00	4,049,633.07	274,587.10
462	11+525.00	4,049,657.82	274,590.03
463	11+550.00	4,049,682.53	274,586.54
464	11+575.00	4,049,707.24	274,583.28
465	11+600.00	4,049,732.07	274,586.16
466	11+625.00	4,049,755.98	274,592.53
467	11+650.00	4,049,773.22	274,610.41
468	11+675.00	4,049,792.74	274,625.96
469	11+700.00	4,049,810.08	274,643.94
470	11+725.00	4,049,829.48	274,659.68
471	11+750.00	4,049,849.59	274,674.29
472	11+775.00	4,049,856.54	274,698.01
473	11+800.00	4,049,868.78	274,718.83
474	11+825.00	4,049,891.59	274,728.79
475	11+850.00	4,049,905.56	274,749.28
476	11+875.00	4,049,917.86	274,771.04
477	11+900.00	4,049,927.43	274,794.06
478	11+925.00	4,049,938.20	274,816.07
479	11+950.00	4,049,962.12	274,821.57
480	11+975.00	4,049,986.58	274,825.86

CENTER LINE COORDINATES			
SNO,	Station	Northing	Easting
481	12+000.00	4,050,005.13	274,842.21
482	12+025.00	4,050,021.21	274,861.35
483	12+050.00	4,050,037.29	274,880.49
484	12+075.00	4,050,054.21	274,898.87
485	12+100.00	4,050,072.46	274,915.95
486	12+114.17	4,050,082.81	274,925.63


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	Tender Drawings.	G.DESIGNED	AMIR KHAN			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-7 RECH ROAD CHITRAL	NTS
		b			DRAWN	IMRAN TARIQ						DATE:
		c			CHECKED	SHAHZAD DURANI						AUG, 2024
			APPROVED	AGEEL YOUNIS	FLOOD AFFECTED ROAD	DWG NO.CEC/KP-RRDP/HW/N-CHT-7/CLD-04						

HORIZONTAL CURVE DATA


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+059.36	269305.8899	4040542.8507	0+055.54	269304.0191	4040539.4988	0+063.20	269308.2203	4040545.9010	53.46	7.66	3.839	8.2134	N33° 16' 24.36"E
C2	0+092.63	269326.0865	4040569.2857	0+087.50	269322.9735	4040565.2112	0+097.64	269330.4867	4040571.9182	26.72	10.13	5.128	21.7292	N48° 14' 40.98"E
C3	0+110.27	269341.3310	4040578.4060	0+105.02	269336.8264	4040575.7110	0+115.36	269344.3040	4040582.7323	24.06	10.34	5.249	24.6132	N46° 48' 09.72"E
C4	0+126.71	269350.7330	4040592.0880	0+121.02	269347.5118	4040587.4005	0+132.30	269355.2924	4040595.4879	34.37	11.27	5.688	18.7920	N43° 53' 31.46"E
C5	0+142.59	269363.5437	4040601.6409	0+135.72	269358.0330	4040597.5316	0+149.08	269365.9216	4040608.0907	23.17	13.36	6.874	33.0505	N36° 45' 46.05"E
C6	0+165.00	269371.4263	4040623.0220	0+160.77	269369.9653	4040619.0591	0+169.20	269373.5530	4040626.6711	48.30	8.43	4.224	9.9960	N25° 14' 07.83"E
C7	0+174.92	269376.4342	4040631.6149	0+170.75	269374.3341	4040628.0114	0+179.05	269377.6606	4040635.6012	36.23	8.30	4.171	13.1334	N23° 40' 00.39"E
C8	0+198.19	269383.2862	4040653.8876	0+190.35	269380.9821	4040646.3980	0+205.86	269388.0258	4040660.1277	44.17	15.51	7.836	20.1176	N27° 09' 31.92"E
C9	0+239.60	269408.4307	4040686.9930	0+223.38	269398.6212	4040674.0778	0+255.78	269419.5508	4040698.7986	305.90	32.41	16.218	6.0697	N40° 15' 08.99"E
C10	0+286.26	269440.4479	4040720.9839	0+272.83	269431.2410	4040711.2095	0+299.11	269443.7204	4040734.0068	51.58	26.27	13.428	29.1814	N28° 41' 47.81"E
C11	0+321.54	269449.1889	4040755.7681	0+312.54	269446.9953	4040747.0387	0+330.43	269448.9295	4040764.7652	65.04	17.89	9.001	15.7571	N6° 13' 38.40"E
C12	0+345.72	269448.4890	4040780.0482	0+335.24	269448.7911	4040769.5672	0+356.19	269449.2844	4040790.5033	200.00	20.95	10.485	6.0021	N1° 20' 59.41"E
C13	0+374.00	269450.6356	4040808.2620	0+365.88	269450.0196	4040800.1662	0+381.81	269454.8574	4040815.1974	33.85	15.94	8.119	26.9798	N17° 50' 26.84"E
C14	0+405.49	269467.1685	4040835.4212	0+395.21	269461.8213	4040826.6372	0+415.42	269475.8267	4040840.9700	44.52	20.21	10.284	26.0147	N44° 20' 16.94"E
C15	0+439.06	269495.7298	4040853.7253	0+427.81	269486.2600	4040847.8564	0+450.12	269502.8149	4040862.4608	69.83	22.30	11.248	18.3011	N48° 11' 41.49"E
C16	0+464.19	269511.6803	4040873.3914	0+455.08	269505.9417	4040866.3160	0+473.27	269516.4530	4040881.1510	139.93	18.19	9.110	7.4497	N35° 19' 09.97"E
C17	0+515.52	269538.5835	4040917.1313	0+505.94	269533.5660	4040908.9738	0+525.08	269542.9667	4040925.6465	251.73	19.14	9.577	4.3576	N29° 24' 56.76"E
C18	0+580.94	269568.5287	4040975.3060	0+565.94	269561.6670	4040961.9756	0+595.54	269580.0023	4040984.9570	74.71	29.59	14.993	22.6942	N38° 35' 02.63"E
C19	0+615.97	269595.6435	4040998.1136	0+605.67	269587.7580	4040991.4807	0+626.11	269601.0677	4041006.8745	64.45	20.44	10.304	18.1678	N40° 50' 50.10"E
C20	0+652.68	269615.0562	4041029.4678	0+642.70	269609.8038	4041020.9844	0+662.43	269616.8830	4041039.2768	53.28	19.73	9.978	21.2132	N21° 09' 24.21"E
C21	0+680.13	269620.1250	4041056.6838	0+673.16	269618.8480	4041049.8271	0+687.02	269619.4514	4041063.6258	49.34	13.86	6.975	16.0918	N2° 30' 15.08"E
C22	0+701.62	269618.0415	4041078.1577	0+690.84	269619.0821	4041067.4319	0+711.44	269624.3904	4041086.8649	28.34	20.60	10.776	41.6397	N15° 16' 41.22"E
C23	0+723.26	269631.3572	4041096.4194	0+714.06	269625.9389	4041088.9885	0+731.87	269631.4798	4041105.6151	28.87	17.81	9.197	35.3338	N18° 25' 51.93"E
C24	0+773.38	269632.0335	4041147.1242	0+760.67	269631.8640	4041134.4117	0+785.83	269636.6131	4041158.9843	70.84	25.16	12.714	20.3490	N10° 56' 19.38"E
C25	0+809.00	269644.9587	4041180.5974	0+798.09	269641.0292	4041170.4209	0+819.85	269650.6248	4041189.9193	122.48	21.76	10.909	10.1792	N26° 12' 10.15"E
C26	0+832.77	269657.3371	4041200.9625	0+826.63	269654.1447	4041195.7103	0+838.87	269659.3269	4041206.7778	56.56	12.24	6.146	12.4039	N25° 05' 25.75"E
C27	0+857.84	269665.4679	4041224.7260	0+850.83	269663.1993	4041218.0956	0+864.81	269666.4675	4041231.6620	74.92	13.97	7.008	10.6871	N13° 32' 42.03"E
C28	0+877.05	269668.2135	4041243.7758	0+869.86	269667.1881	4041236.6612	0+884.18	269670.6983	4041250.5208	68.27	14.32	7.188	12.0217	N14° 12' 44.24"E
C29	0+898.07	269675.4987	4041263.5519	0+888.52	269672.1984	4041254.5931	0+907.58	269677.3925	4041272.9096	124.33	19.06	9.547	8.7823	N15° 49' 55.04"E
C30	0+920.02	269679.8605	4041285.1046	0+912.90	269678.4478	4041278.1240	0+927.02	269683.4175	4041291.2748	43.68	14.12	7.122	18.5215	N20° 42' 05.52"E
C31	0+953.38	269696.5810	4041314.1094	0+944.23	269692.0147	4041306.1884	0+962.44	269699.2735	4041322.8468	81.29	18.21	9.143	12.8347	N23° 32' 41.84"E
C32	0+973.84	269702.6310	4041333.7416	0+964.28	269699.8162	4041324.6076	0+983.28	269707.8062	4041341.7772	69.52	19.00	9.558	15.6553	N24° 57' 19.05"E
C33	1+003.61	269718.8131	4041358.8677	0+990.60	269711.7690	4041347.9302	1+016.50	269728.2460	4041367.8270	108.36	25.90	13.010	13.6923	N39° 37' 44.70"E
C34	1+041.44	269746.3311	4041385.0040	1+032.63	269739.9415	4041378.9352	1+049.73	269748.2281	4041393.6097	28.78	17.10	8.812	34.0444	N29° 27' 10.87"E
C35	1+056.80	269749.7511	4041400.5192	1+049.99	269748.2846	4041393.8660	1+063.27	269754.4809	4041405.4228	24.13	13.28	6.813	31.5356	N28° 11' 55.05"E
C36	1+077.89	269764.6283	4041415.9431	1+072.24	269760.7110	4041411.8819	1+083.38	269766.6711	4041421.2030	28.06	11.14	5.643	22.7420	N32° 35' 43.49"E
C37	1+092.80	269770.0798	4041429.9801	1+085.29	269767.3633	4041422.9853	1+100.00	269775.7696	4041434.8723	30.00	14.71	7.504	28.0862	N35° 16' 02.97"E
C38	1+109.36	269782.8660	4041440.9739	1+102.08	269777.3486	4041436.2300	1+116.52	269786.7076	4041447.1536	47.43	14.44	7.276	17.4437	N40° 35' 19.44"E
C39	1+161.74	269810.5792	4041485.5544	1+152.64	269805.7747	4041477.8256	1+170.81	269816.3862	4041492.5612	133.77	18.17	9.100	7.7838	N35° 45' 31.70"E
C40	1+183.91	269824.7469	4041502.6493	1+174.75	269818.9030	4041495.5980	1+192.94	269828.3418	4041511.0724	63.01	18.19	9.158	16.5385	N31° 22' 53.35"E

[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:
		a	AUG.2024	Fender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S. DATE: AUG.2024	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/HW/N-CHT-7 HCD/ A
		b			DRAWN	IMRAN TARIO				
		c			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
C41	1+255.53	269852.9096	4041568.6368	1+219.68	269838.8375	4041535.6648	1+289.89	269881.0384	4041590.8617	140.77	70.21	35.849	28.5751	N37° 23' 59.22"E
C42	1+325.33	269908.8506	4041612.8364	1+319.03	269903.9049	4041608.9288	1+331.63	269913.9999	4041616.4717	233.57	12.60	6.303	3.0917	N53° 13' 59.40"E
C43	1+353.29	269931.6893	4041628.9599	1+342.67	269923.0153	4041622.8363	1+363.72	269937.9378	4041637.5443	64.39	21.05	10.618	18.7285	N45° 24' 53.14"E
C44	1+397.32	269957.7134	4041664.7127	1+387.25	269951.7865	4041656.5702	1+407.26	269965.6447	4041670.9196	72.10	20.01	10.071	15.9033	N44° 00' 07.80"E
C45	1+448.33	269997.9868	4041696.2300	1+435.47	269987.8597	4041688.3047	1+460.30	270001.3674	4041708.6372	38.76	24.83	12.860	36.7121	N33° 35' 51.93"E
C46	1+481.67	270006.9843	4041729.2515	1+472.12	270004.4748	4041720.0414	1+490.67	270014.1617	4041735.5451	31.71	18.54	9.546	33.5121	N31° 59' 51.88"E
C47	1+514.73	270032.2516	4041751.4074	1+502.94	270023.3894	4041743.6365	1+526.26	270037.8262	4041761.7925	65.09	23.32	11.787	20.5273	N38° 29' 24.60"E
C48	1+550.09	270049.0979	4041782.7907	1+535.70	270042.2906	4041770.1093	1+564.44	270054.0192	4041796.3161	200.00	28.74	14.393	8.2324	N24° 06' 37.28"E
C49	1+599.33	270065.9486	4041829.1023	1+585.67	270061.2784	4041816.2669	1+612.62	270075.2261	4041839.1265	67.77	26.96	13.659	22.7904	N31° 23' 21.70"E
C50	1+629.58	270086.7454	4041851.5730	1+621.52	270081.2699	4041845.6567	1+637.50	270090.0544	4041858.9238	49.36	15.98	8.061	18.5497	N33° 30' 34.87"E
C51	1+659.27	270098.9877	4041878.7689	1+650.79	270095.5098	4041871.0429	1+667.64	270100.3644	4041887.1290	64.87	16.85	8.473	14.8835	N16° 47' 35.11"E
C52	1+684.66	270103.1301	4041903.9237	1+676.64	270101.8260	4041896.0048	1+692.46	270107.4892	4041910.6622	38.50	15.82	8.026	23.5474	N21° 07' 30.10"E
C53	1+717.53	270121.1042	4041931.7089	1+712.70	270118.4798	4041927.6520	1+722.22	270125.1566	4041934.3401	22.63	9.52	4.832	24.1059	N44° 57' 05.96"E
C54	1+733.16	270134.3332	4041940.2984	1+724.79	270127.3163	4041935.7423	1+741.10	270137.9068	4041947.8631	29.45	16.30	8.366	31.7182	N41° 08' 43.71"E
C55	1+749.89	270141.6614	4041955.8108	1+742.22	270138.3868	4041948.8791	1+757.35	270147.3688	4041960.9291	37.97	15.13	7.666	22.8286	N36° 42' 02.31"E
C56	1+770.63	270157.2599	4041969.7992	1+762.21	270150.9891	4041964.1757	1+779.00	270162.3259	4041976.5283	86.36	16.79	8.423	11.1410	N42° 32' 39.98"E
C57	1+830.53	270193.3165	4042017.6932	1+812.32	270182.3641	4042003.1452	1+848.68	270206.2165	4042030.5458	256.19	36.36	18.210	8.1316	N41° 02' 23.03"E
C58	1+893.27	270237.8082	4042062.0214	1+878.10	270227.0616	4042051.3143	1+908.39	270250.0470	4042070.9851	200.00	30.28	15.170	8.6753	N49° 26' 35.30"E
C59	1+962.32	270293.5605	4042102.8547	1+938.71	270274.5122	4042088.9035	1+985.34	270305.9197	4042122.9724	120.25	46.63	23.611	22.2165	N42° 40' 20.99"E
C60	2+044.79	270337.0360	4042173.6221	2+037.17	270333.0495	4042167.1329	2+052.26	270338.7166	4042181.0502	45.96	15.09	7.616	18.8162	N22° 09' 22.12"E
C61	2+065.31	270341.5955	4042193.7750	2+055.22	270339.3689	4042183.9334	2+075.31	270346.0519	4042202.8279	85.50	20.09	10.090	13.4613	N19° 28' 43.35"E
C62	2+108.30	270360.6245	4042232.4311	2+093.96	270354.2909	4042219.5649	2+122.63	270366.0142	4042245.7205	397.38	28.67	14.341	4.1336	N24° 08' 33.19"E
C63	2+135.70	270370.9274	4042257.8351	2+131.29	270369.2699	4042253.7482	2+139.53	270368.7956	4042261.6958	9.25	8.23	4.410	50.9831	N3° 24' 56.94"W
C64	2+145.90	270365.7127	4042267.2787	2+141.32	270367.9257	4042263.2711	2+150.39	270364.9846	4042271.7985	26.29	9.07	4.578	19.7566	N19° 01' 44.78"W
C65	2+173.46	270361.3160	4042294.5732	2+164.05	270362.8118	4042285.2872	2+180.05	270369.9434	4042298.3197	12.11	15.99	9.406	75.6781	N28° 41' 17.62"E
C66	2+188.15	270377.3773	4042301.5478	2+182.77	270372.4457	4042299.4063	2+193.20	270380.2359	4042306.1013	17.36	10.43	5.376	34.4080	N49° 19' 23.87"E
C67	2+260.16	270415.8370	4042362.8119	2+243.42	270406.9368	4042348.6344	2+276.82	270422.2566	4042378.2717	200.00	33.40	16.740	9.5688	N27° 20' 05.67"E
C68	2+300.82	270431.4612	4042400.4383	2+293.51	270428.6562	4042393.6834	2+308.10	270435.4837	4042406.5471	77.28	14.58	7.314	10.8136	N27° 57' 26.24"E
C69	2+323.32	270443.8569	4042419.2631	2+317.93	270440.8941	4042414.7635	2+328.46	270444.1588	4042424.6421	20.00	10.53	5.387	30.1524	N18° 17' 16.41"E
C70	2+336.12	270444.5879	4042432.2900	2+329.40	270444.2118	4042425.5874	2+342.63	270447.6893	4042438.2438	31.18	13.22	6.713	24.3040	N15° 21' 49.39"E
C71	2+459.63	270501.7419	4042542.0082	2+448.33	270496.5205	4042531.9847	2+470.93	270506.7009	4042552.1642	869.08	22.60	11.302	1.4901	N26° 46' 14.44"E
C72	2+501.17	270519.9707	4042579.3404	2+497.96	270518.5596	4042576.4505	2+504.39	270521.4741	4042582.1835	200.00	6.43	3.216	1.8425	N26° 56' 48.77"E
C73	2+581.02	270557.2952	4042649.9289	2+574.61	270554.3007	4042644.2657	2+587.41	270560.8836	4042655.2357	118.32	12.80	6.406	6.1984	N30° 58' 02.50"E
C74	2+607.04	270571.8786	4042671.4956	2+595.92	270565.6510	4042662.2859	2+618.09	270576.2573	4042681.7147	116.83	22.17	11.118	10.8721	N28° 37' 49.92"E
C75	2+639.48	270584.6811	4042701.3742	2+630.81	270581.2642	4042693.3998	2+647.90	270591.0569	4042707.2577	40.63	17.09	8.676	24.1052	N35° 14' 49.52"E
C76	2+669.04	270606.5938	4042721.5948	2+659.39	270599.5036	4042715.0521	2+678.66	270612.6824	4042729.0785	135.11	19.26	9.648	8.1687	N43° 12' 55.31"E
C77	2+759.80	270663.8936	4042792.0243	2+754.69	270660.6663	4042788.0574	2+764.78	270665.3281	4042796.9328	25.32	10.09	5.114	22.8409	N27° 42' 38.13"E
C78	2+771.94	270667.3357	4042803.8029	2+767.04	270665.9611	4042799.0990	2+776.79	270669.8072	4042808.0347	39.93	9.75	4.901	13.9951	N23° 17' 15.65"E
C79	2+815.05	270689.1015	4042841.0726	2+809.53	270686.3157	4042836.3024	2+820.57	270691.9703	4042845.7933	631.69	11.05	5.524	1.0021	N30° 47' 10.46"E
C80	2+868.06	270716.6301	4042886.3718	2+863.79	270714.4128	4042882.7233	2+872.32	270718.4901	4042890.2147	89.55	8.53	4.269	5.4592	N28° 33' 27.56"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. 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)	N-CHT-7 RECH ROAD CHITRAL	N.T.S			
		a			DRAWN	IMRAN TARIO								FLOOD AFFECTED ROAD	AUG.2024	
		b			CHECKED	SHAHZAD DURRANI										HORIZONTAL CURVE DATA
		c			APPROVED	AGEEL YOUNIS										
DWG NO:CEC/KP-RRDP/HW/N-CHT-7 HCD/B																

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	2+885.21	270724.1050	4042901.8151	2+878.69	270721.2660	4042895.9497	2+891.70	270727.8440	4042907.1520	81.11	13.00	6.516	9.1869	N30° 25' 17.33"E
C82	2+915.21	270741.3346	4042926.4080	2+900.76	270733.0421	4042914.5716	2+929.49	270746.1802	4042940.0237	106.71	28.73	14.452	15.4252	N27° 18' 08.32"E
C83	2+941.33	270750.1499	4042951.1782	2+932.38	270747.1504	4042942.7499	2+950.25	270754.1298	4042959.1901	150.00	17.87	8.946	6.8262	N23° 00' 10.08"E
C84	2+962.61	270759.6288	4042970.2600	2+955.70	270756.5561	4042964.0743	2+969.31	270759.8880	4042977.1621	32.13	13.61	6.907	24.2657	N14° 16' 59.03"E
C85	2+979.20	270760.2591	4042987.0465	2+972.60	270760.0116	4042980.4538	2+985.59	270763.2367	4042992.9337	30.16	12.99	6.597	24.6789	N14° 29' 22.89"E
C86	3+022.62	270779.9492	4043025.9769	3+012.57	270775.4138	4043017.0097	3+032.63	270783.0631	4043035.5312	130.94	20.06	10.049	8.7771	N22° 26' 26.09"E
C87	3+052.97	270789.3665	4043054.8712	3+047.74	270787.7446	4043049.8951	3+058.19	270791.7648	4043059.5231	64.90	10.44	5.234	9.2218	N22° 39' 46.42"E
C88	3+094.67	270808.4823	4043091.9490	3+083.90	270803.5485	4043082.3793	3+105.41	270812.3602	4043101.9931	200.00	21.51	10.767	6.1629	N24° 11' 32.34"E
C89	3+143.35	270826.0245	4043137.3850	3+132.08	270821.9640	4043126.8681	3+154.62	270830.0925	4043147.8989	30916.27	22.55	11.273	0.0418	N21° 07' 54.29"E
C90	3+199.12	270846.1487	4043189.3958	3+186.26	270841.5076	4043177.4011	3+210.73	270857.7819	4043194.8804	32.15	24.47	12.861	43.6057	N42° 57' 19.69"E
C91	3+226.78	270872.3011	4043201.7254	3+220.83	270866.9196	4043199.1884	3+231.45	270872.3429	4043207.6748	9.46	10.62	5.949	64.3549	N32° 34' 50.98"E
C92	3+250.11	270872.4743	4043226.3384	3+241.67	270872.4149	4043217.8972	3+258.34	270875.7737	4043234.1082	42.24	16.66	8.441	22.6044	N11° 42' 20.06"E
C93	3+275.22	270882.3717	4043249.6462	3+269.48	270880.1288	4043244.3644	3+280.91	270883.4516	4043255.2820	53.87	11.43	5.738	12.1605	N16° 55' 39.18"E
C94	3+311.51	270889.2089	4043285.3282	3+300.88	270887.2090	4043274.8913	3+322.10	270889.7174	4043295.9429	150.00	21.22	10.627	8.1048	N6° 47' 41.73"E
C95	3+351.65	270891.1316	4043325.4661	3+334.84	270890.3271	4043308.6718	3+367.52	270900.9900	4043339.0862	56.48	32.68	16.814	33.1548	N19° 19' 11.76"E
C96	3+400.75	270920.4702	4043365.9997	3+379.17	270907.8210	4043348.5238	3+421.19	270921.9339	4043387.5234	75.22	42.02	21.573	32.0070	N19° 53' 37.72"E
C97	3+460.67	270924.6122	4043426.9093	3+447.13	270923.6938	4043413.4041	3+473.17	270933.7550	4043436.8915	38.66	26.04	13.536	38.5966	N23° 11' 18.93"E
C98	3+499.72	270951.6876	4043456.4705	3+487.60	270943.4969	4043447.5278	3+511.62	270956.4160	4043467.6375	70.43	24.02	12.127	19.5378	N32° 43' 04.83"E
C99	3+578.61	270982.5398	4043529.3336	3+572.50	270980.1544	4043523.7000	3+584.31	270987.8184	4043532.4262	18.45	11.81	6.118	36.6862	N41° 17' 31.92"E
C100	3+593.49	270995.7363	4043537.0650	3+589.82	270992.5691	4043535.2095	3+596.80	270996.7413	4043540.5954	9.14	6.98	3.671	43.7452	N37° 45' 45.66"E
C101	3+627.26	271005.0826	4043569.8972	3+608.67	270999.9907	4043552.0102	3+645.76	271013.3852	4043586.5386	200.00	37.09	18.598	10.6251	N21° 12' 09.46"E
C102	3+665.12	271022.0313	4043603.8684	3+654.14	271017.1293	4043594.0430	3+676.07	271025.6042	4043614.2511	166.96	21.93	10.980	7.5256	N22° 45' 08.55"E
C103	3+709.20	271036.3828	4043645.5729	3+696.31	271032.1906	4043633.3908	3+722.00	271042.8718	4043656.7026	130.76	25.68	12.883	11.2542	N24° 37' 00.00"E
C104	3+776.46	271070.3050	4043703.7549	3+761.61	271062.8262	4043690.9275	3+791.30	271076.8481	4043717.0840	415.04	29.68	14.848	4.0979	N28° 11' 41.29"E
C105	3+828.78	271093.3640	4043750.7288	3+821.38	271090.1038	4043744.0874	3+836.17	271097.1059	4043757.1112	200.00	14.79	7.398	4.2371	N28° 15' 51.78"E
C106	3+857.95	271108.1214	4043775.8995	3+850.22	271104.2123	4043769.2320	3+865.54	271109.7270	4043783.4599	47.74	15.32	7.729	18.3935	N21° 11' 10.11"E
C107	3+890.61	271114.9340	4043807.9792	3+877.57	271112.2257	4043795.2264	3+903.50	271120.8359	4043819.6040	99.51	25.93	13.037	14.9278	N19° 27' 11.80"E
C108	3+922.65	271129.5051	4043836.6792	3+917.43	271127.1426	4043832.0258	3+927.73	271133.5089	4043840.0265	25.44	10.29	5.219	23.1859	N38° 30' 36.45"E
C109	3+934.80	271138.9376	4043844.5651	3+929.63	271134.9694	4043841.2475	3+939.51	271139.6651	4043849.6860	13.47	9.88	5.172	42.0172	N29° 05' 40.11"E
C110	3+956.41	271142.0430	4043866.4237	3+948.49	271140.9287	4043858.5802	3+964.22	271145.3410	4043873.6268	54.59	15.73	7.922	16.5150	N16° 20' 36.21"E
C111	4+006.41	271162.9029	4043911.9838	4+000.23	271160.3283	4043906.3606	4+012.59	271165.7042	4043917.4976	303.85	12.37	6.185	2.3320	N25° 46' 00.88"E
C112	4+084.87	271198.4407	4043981.9328	4+074.23	271193.6213	4043972.4469	4+095.19	271206.7418	4043988.5887	49.33	20.96	10.640	24.3446	N39° 06' 18.78"E
C113	4+120.02	271226.1139	4044004.1211	4+109.30	271217.7558	4043997.4196	4+129.79	271227.9545	4044014.6747	28.36	20.49	10.713	41.3842	N30° 35' 07.52"E
C114	4+144.40	271230.4647	4044029.0673	4+137.61	271229.2981	4044022.3782	4+150.83	271235.0258	4044034.0974	23.44	13.22	6.790	32.3071	N26° 02' 48.82"E
C115	4+193.40	271263.6194	4044065.6313	4+177.47	271252.9233	4044053.8354	4+209.07	271270.2915	4044080.0892	103.89	31.60	15.923	17.4277	N33° 29' 11.79"E
C116	4+257.41	271290.5444	4044123.9751	4+242.49	271284.2938	4044110.4307	4+272.27	271298.7351	4044136.4424	200.00	29.78	14.917	8.5311	N29° 02' 17.93"E
C117	4+296.99	271312.3079	4044157.1021	4+287.67	271307.1904	4044149.3125	4+306.13	271319.7236	4044162.7479	54.49	18.46	9.320	19.4128	N43° 00' 36.92"E
C118	4+320.90	271331.4770	4044171.6962	4+311.00	271323.6017	4044165.7005	4+329.07	271340.7237	4044168.1651	17.79	18.06	9.898	58.1845	N81° 48' 32.12"E
C119	4+356.13	271366.0047	4044158.5106	4+336.65	271347.8048	4044165.4609	4+363.51	271367.2435	4044177.9530	14.35	26.86	19.482	107.2554	N57° 16' 24.47"E
C120	4+415.44	271370.5458	4044229.7811	4+398.08	271369.4420	4044212.4577	4+432.31	271378.4532	4044245.2341	83.62	34.23	17.359	23.4535	N15° 22' 20.95"E

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

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<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			G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL	N.T.S	
		b			DRAWN	IMRAN TARIO			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG,2024	
			APPROVED	AQEEL YOUNIS	DWG NO:CEC/HW/KP-RRDP/N-CHT-7/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	4+467.72	271394.5832	4044276.7559	4+459.95	271391.0402	4044269.8320	4+475.46	271399.2793	4044282.9557	88.51	15.52	7.778	10.0433	N32° 07' 15.14"E
C122	4+486.32	271405.8337	4044291.6088	4+476.45	271399.8775	4044283.7455	4+496.12	271410.1710	4044300.4685	101.90	19.67	9.864	11.0584	N31° 36' 47.98"E
C123	4+516.25	271419.0199	4044318.5442	4+503.57	271413.4448	4044307.1559	4+528.89	271425.9887	4044329.1372	200.00	25.33	12.680	7.2552	N29° 42' 42.35"E
C124	4+575.58	271451.6486	4044368.1422	4+560.73	271443.4853	4044355.7334	4+590.34	271457.3307	4044381.8656	156.44	29.62	14.853	10.8476	N27° 54' 56.08"E
C125	4+611.08	271465.2634	4044401.0246	4+599.90	271460.9849	4044390.6912	4+621.48	271474.8984	4044406.7036	33.43	21.59	11.184	36.9925	N40° 59' 16.87"E
C126	4+653.48	271502.4618	4044422.9499	4+639.87	271490.7407	4044416.0413	4+666.00	271507.1349	4044435.7277	38.00	26.13	13.606	39.3958	N39° 47' 10.88"E
C127	4+711.44	271522.7429	4044478.4054	4+702.10	271519.5352	4044469.6343	4+720.48	271529.3637	4044484.9923	42.02	18.38	9.339	25.0589	N32° 37' 04.39"E
C128	4+735.78	271540.2070	4044495.7799	4+724.93	271532.5179	4044488.1303	4+746.55	271546.2194	4044504.8069	107.88	21.62	10.846	11.4819	N39° 24' 22.98"E
C129	4+781.82	271565.7698	4044534.1599	4+773.26	271561.0231	4044527.0331	4+790.10	271566.9817	4044542.6366	37.80	16.84	8.563	25.5291	N20° 54' 03.20"E
C130	4+801.71	271568.6246	4044554.1277	4+796.53	271567.8925	4044549.0068	4+806.70	271571.5152	4044558.4177	22.55	10.17	5.173	25.8360	N21° 03' 15.57"E
C131	4+825.10	271581.7964	4044573.6760	4+818.11	271577.8901	4044567.8787	4+832.03	271584.2779	4044580.2113	60.51	13.92	6.991	13.1794	N27° 22' 57.40"E
C132	4+863.71	271595.5232	4044609.8255	4+850.16	271590.7142	4044597.1612	4+876.58	271593.0637	4044623.1469	48.43	26.42	13.547	31.2534	N5° 09' 58.34"E
C133	4+897.55	271589.2574	4044643.7631	4+889.03	271590.8039	4044635.3865	4+905.97	271589.9434	4044652.2536	64.35	16.94	8.518	15.0801	N2° 55' 13.67"W
C134	4+952.50	271593.6914	4044698.6386	4+936.14	271592.3737	4044682.3301	4+968.42	271601.3270	4044713.1093	79.71	32.28	16.362	23.1989	N16° 13' 08.49"E
C135	4+993.49	271613.0288	4044735.2865	4+976.27	271604.9937	4044720.0585	5+004.20	271598.6143	4044744.7034	18.90	27.93	17.218	84.6622	N14° 30' 45.51"W
C136	5+023.38	271582.5600	4044755.1916	5+015.70	271588.9902	4044750.9908	5+031.01	271577.0600	4044760.5529	78.96	15.31	7.681	11.1123	N51° 17' 15.38"W
C137	5+043.14	271568.3773	4044769.0166	5+035.73	271573.6797	4044763.8479	5+050.43	271561.8045	4044772.4266	50.00	14.70	7.405	16.8481	N54° 09' 19.75"W
C138	5+078.83	271536.5979	4044785.5039	5+064.76	271549.0885	4044779.0237	5+090.87	271534.2552	4044799.3791	28.23	26.11	14.072	52.9961	N36° 04' 53.23"W
C139	5+109.62	271531.1328	4044817.8725	5+099.69	271532.7860	4044808.0809	5+118.62	271536.5755	4044826.1782	25.33	18.93	9.930	42.8199	N11° 49' 35.55"E
C140	5+153.71	271555.8078	4044855.5274	5+140.94	271548.8103	4044844.8490	5+165.79	271555.9863	4044868.2931	43.89	24.85	12.767	32.4355	N17° 01' 07.41"E
C141	5+178.80	271556.1681	4044881.3009	5+167.43	271556.0092	4044869.9325	5+189.79	271561.2274	4044891.4828	50.00	22.36	11.370	25.6215	N13° 36' 42.23"E
C142	5+223.68	271576.3081	4044921.8328	5+214.82	271572.3647	4044913.8967	5+232.49	271578.7293	4044930.3575	95.83	17.67	8.862	10.5670	N21° 08' 20.28"E
C143	5+254.71	271584.8009	4044951.7353	5+242.94	271581.5853	4044940.4133	5+266.30	271591.2594	4044961.5748	76.81	23.36	11.770	17.4244	N24° 34' 03.60"E
C144	5+287.38	271602.8255	4044979.1961	5+279.38	271598.4354	4044972.5077	5+295.16	271604.2061	4044987.0765	38.73	15.78	8.000	23.3427	N21° 36' 30.74"E
C145	5+314.01	271607.4601	4045005.6498	5+307.15	271606.2762	4044998.8919	5+319.75	271613.7424	4045008.4072	12.80	12.60	6.861	56.3656	N38° 07' 11.91"E
C146	5+344.48	271636.3850	4045018.3453	5+338.53	271630.9419	4045015.9562	5+350.37	271641.1176	4045021.9420	50.08	11.83	5.944	13.5368	N59° 32' 03.63"E
C147	5+374.59	271660.4064	4045036.6011	5+370.27	271656.9644	4045033.9852	5+378.86	271662.9633	4045040.0871	29.80	8.59	4.323	16.5076	N44° 30' 43.67"E
C148	5+400.92	271676.0146	4045057.8815	5+393.71	271671.7455	4045052.0609	5+407.56	271683.0170	4045059.6340	20.00	13.85	7.218	39.6906	N56° 06' 13.00"E
C149	5+428.42	271703.2527	4045064.6985	5+421.13	271696.1847	4045062.9295	5+435.31	271710.1508	4045062.3527	24.73	14.17	7.286	32.8328	S87° 38' 04.89"E
C150	5+449.07	271723.1861	4045057.9197	5+437.04	271711.7925	4045061.7944	5+459.51	271733.3813	4045064.3138	25.30	22.47	12.034	50.8760	N83° 20' 37.33"E
C151	5+483.32	271753.5582	4045076.9680	5+474.89	271746.4164	4045072.4889	5+491.57	271758.6448	4045083.6906	45.95	16.67	8.430	20.7932	N47° 30' 32.61"E
C152	5+511.34	271770.5724	4045099.4545	5+506.22	271767.4861	4045095.3755	5+516.40	271772.6227	4045104.1406	43.28	10.18	5.115	13.4808	N30° 22' 19.31"E
C153	5+530.48	271778.2671	4045117.0406	5+523.44	271775.4442	4045110.5891	5+537.37	271783.2216	4045122.0450	37.85	13.92	7.042	21.0814	N34° 10' 20.39"E
C154	5+566.23	271803.5316	4045142.5594	5+557.79	271797.5898	4045136.5578	5+573.93	271803.9941	4045150.9922	22.25	16.14	8.445	41.5732	N23° 55' 35.26"E
C155	5+598.47	271805.3383	4045175.4946	5+588.40	271804.7865	4045165.4360	5+608.19	271810.2742	4045184.2763	43.29	19.80	10.074	26.1991	N16° 14' 21.89"E
C156	5+637.61	271824.6876	4045209.9200	5+629.87	271820.8939	4045203.1704	5+645.28	271826.8216	4045217.3628	66.21	15.42	7.743	13.3407	N22° 40' 06.87"E
C157	5+660.13	271830.9126	4045231.6316	5+650.99	271828.3942	4045222.8480	5+669.11	271836.0358	4045239.1978	57.35	18.12	9.137	18.1042	N25° 03' 01.19"E
C158	5+690.18	271847.8481	4045256.6429	5+679.98	271842.1273	4045248.1941	5+699.36	271846.0601	4045266.6886	25.13	19.39	10.204	44.1948	N12° 00' 18.26"E
C159	5+713.05	271843.6614	4045280.1655	5+703.89	271845.2672	4045271.1434	5+722.08	271844.7599	4045289.2634	61.40	18.19	9.164	16.9773	N1° 36' 13.23"W
C160	5+739.31	271846.8260	4045306.3739	5+731.37	271845.8733	4045298.4840	5+747.16	271849.8727	4045313.7138	57.80	15.80	7.947	15.6580	N14° 42' 50.24"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: 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	Tender Drawings.	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/H/W/N-CHT-7 HCD/D
		b			DRAWN	IMRAN TARIQ			DATE:	
		c			CHECKED	SHAHZAD DURRANI			AUG.2024	
			APPROVED	AOEEL 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
C161	5+764.58	271856.5487	4045329.7970	5+758.50	271854.2183	4045324.1829	5+770.50	271856.5612	4045335.8756	30.66	12.00	6.079	22.4250	N11° 19' 49.54"E
C162	5+785.28	271856.5917	4045350.6562	5+778.72	271856.5782	4045344.0988	5+791.73	271858.5993	4045356.8988	42.09	13.01	6.557	17.7106	NB° 58' 23.60"E
C163	5+819.37	271867.0597	4045383.2048	5+808.52	271863.7401	4045372.8829	5+829.96	271873.8629	4045391.6474	58.41	21.44	10.843	21.0337	N28° 20' 43.43"E
C164	5+861.50	271893.6478	4045416.2002	5+853.75	271888.7887	4045410.1701	5+869.12	271896.4872	4045423.4052	50.75	15.37	7.744	17.3534	N30° 11' 07.94"E
C165	5+910.15	271911.5291	4045461.5740	5+900.24	271907.8955	4045452.3536	5+919.41	271919.8778	4045466.9141	30.60	19.17	9.911	35.8866	N39° 27' 07.62"E
C166	5+945.38	271941.7613	4045480.9117	5+937.37	271935.0148	4045476.5963	5+953.35	271949.1860	4045483.9139	86.43	15.97	8.009	10.5881	N62° 41' 22.12"E
C167	5+968.94	271963.6448	4045489.7605	5+961.70	271956.9343	4045487.0470	5+973.56	271961.7787	4045496.7541	8.19	11.86	7.238	82.9230	N26° 31' 19.37"E
C168	5+985.03	271958.8214	4045507.8378	5+979.55	271960.2354	4045502.5382	5+990.10	271961.0204	4045512.8627	15.67	10.55	5.485	38.5745	N4° 20' 52.16"E
C169	6+015.06	271971.0272	4045535.7292	6+008.72	271968.4873	4045529.9253	6+020.97	271976.5082	4045538.9064	19.35	12.24	6.335	36.2648	N41° 46' 03.01"E
C170	6+032.09	271986.1309	4045544.4845	6+026.99	271981.7180	4045541.9264	6+036.46	271986.7580	4045549.5467	10.27	9.47	5.101	52.8389	N33° 28' 49.60"E
C171	6+047.67	271988.1363	4045560.6747	6+042.23	271987.4675	4045555.2750	6+052.71	271991.9986	4045564.5092	15.74	10.48	5.441	38.1314	N26° 07' 36.03"E
C172	6+062.16	271998.7034	4045571.1711	6+056.82	271994.9165	4045567.4095	6+067.29	272000.3145	4045576.2599	21.71	10.47	5.338	27.6249	N31° 22' 47.71"E
C173	6+076.90	272003.2150	4045585.4214	6+072.49	272001.8829	4045581.2139	6+081.12	272006.4412	4045588.4330	16.82	8.63	4.413	29.4030	N32° 16' 08.28"E
C174	6+118.94	272034.0868	4045614.2396	6+111.90	272028.9416	4045609.4367	6+125.82	272037.1733	4045620.5653	38.05	13.92	7.039	20.9612	N36° 29' 23.62"E
C175	6+139.87	272043.3356	4045633.1946	6+133.24	272040.4248	4045627.2291	6+146.49	272046.9638	4045638.7530	106.63	13.26	6.638	7.1245	N29° 34' 17.57"E
C176	6+160.86	272054.8189	4045650.7872	6+152.13	272050.0435	4045643.4713	6+169.47	272057.1857	4045659.1970	57.04	17.34	8.737	17.4151	N24° 25' 34.42"E
C177	6+195.74	272064.3024	4045684.4838	6+180.51	272060.1777	4045669.8282	6+208.36	272078.8801	4045688.8757	27.74	27.85	15.225	57.5149	N44° 28' 33.99"E
C178	6+236.28	272105.6126	4045696.9297	6+229.49	272099.1107	4045694.9708	6+242.68	272112.1204	4045694.9905	22.66	13.20	6.791	33.3594	N89° 54' 47.68"E
C179	6+252.47	272121.4993	4045692.1958	6+246.05	272115.3490	4045694.0284	6+256.82	272124.5338	4045697.8505	7.87	10.77	6.417	78.3727	N67° 24' 23.66"E
C180	6+283.08	272136.9503	4045720.9875	6+270.45	272130.9766	4045709.8561	6+295.19	272136.8878	4045733.6203	49.74	24.74	12.633	28.5038	N13° 58' 05.88"E
C181	6+316.40	272136.7828	4045754.8312	6+310.75	272136.8108	4045749.1797	6+322.01	272137.9060	4045760.3700	54.94	11.26	5.652	11.7468	N5° 35' 23.22"E
C182	6+354.10	272144.2822	4045791.8139	6+343.10	272142.0971	4045781.0382	6+363.27	272154.4805	4045795.9231	20.42	20.17	10.995	56.5907	N39° 45' 30.68"E
C183	6+378.59	272168.6886	4045801.6480	6+369.46	272160.2165	4045798.2343	6+386.30	272170.7358	4045810.5497	17.51	16.84	9.134	55.1027	N40° 30' 09.08"E
C184	6+411.77	272176.4453	4045835.3769	6+400.77	272173.9789	4045824.6519	6+421.92	272185.1132	4045842.1573	31.06	21.15	11.005	39.0149	N32° 27' 31.08"E
C185	6+437.48	272197.3728	4045851.7472	6+426.34	272188.5945	4045844.8804	6+447.77	272208.5170	4045851.6119	31.71	21.43	11.145	38.7296	N71° 19' 51.22"E
C186	6+456.82	272217.5628	4045851.5020	6+451.08	272211.8275	4045851.5717	6+460.23	272217.8772	4045857.2292	5.99	9.15	5.736	87.5533	N46° 55' 08.61"E
C187	6+479.84	272218.9522	4045876.8085	6+473.07	272218.5812	4045870.0507	6+486.58	272220.4281	4045883.4137	81.86	13.51	6.768	9.4531	N7° 52' 08.36"E
C188	6+524.38	272228.6710	4045920.3039	6+517.29	272227.1253	4045913.3863	6+531.45	272231.0722	4045926.9730	112.57	14.16	7.088	7.2059	N16° 11' 54.57"E
C189	6+553.28	272238.4700	4045947.5197	6+539.18	272233.6911	4045934.2468	6+566.21	272250.7111	4045954.5315	38.35	27.04	14.107	40.3938	N39° 59' 54.02"E
C190	6+581.22	272263.7345	4045961.9916	6+575.87	272259.0891	4045959.3306	6+586.46	272267.1214	4045966.1376	28.96	10.59	5.354	20.9498	N49° 43' 13.34"E
C191	6+663.00	272315.5456	4046025.4153	6+632.17	272296.0437	4046001.5423	6+680.74	272339.5789	4046006.1114	31.08	48.57	30.826	89.5263	N84° 00' 31.13"E
C192	6+722.26	272371.9520	4045980.1090	6+701.03	272355.4004	4045993.4035	6+729.89	272379.1941	4046000.0652	15.19	28.85	21.230	108.8260	N74° 21' 31.67"E
C193	6+815.87	272408.5241	4046080.8866	6+806.66	272405.3848	4046072.2359	6+824.84	272408.1498	4046090.0817	46.74	18.17	9.203	22.2771	N8° 48' 26.08"E
C194	6+843.47	272407.3916	4046108.7054	6+833.25	272407.8074	4046098.4925	6+852.88	272413.5668	4046116.8505	28.47	19.63	10.221	39.4990	N17° 25' 05.55"E
C195	6+865.64	272421.2748	4046127.0172	6+857.79	272416.5302	4046120.7592	6+871.68	272428.8985	4046125.1326	11.93	13.89	7.853	66.7178	N70° 31' 35.88"E
C196	6+889.59	272446.2913	4046120.8330	6+881.70	272438.6348	4046122.7257	6+896.78	272453.2723	4046124.5031	20.75	15.07	7.887	41.6178	N83° 04' 35.95"E
C197	6+920.03	272473.8567	4046135.3250	6+906.13	272461.5463	4046128.8530	6+932.23	272486.8181	4046130.2815	30.52	26.10	13.908	48.9940	N86° 45' 53.24"E
C198	6+954.81	272507.8663	4046122.0913	6+938.81	272492.9509	4046127.8951	6+970.73	272521.4798	4046113.6755	174.81	31.92	16.005	10.4623	S63° 30' 25.39"E
C199	6+997.26	272544.0459	4046099.7253	6+991.91	272539.4938	4046102.5394	7+002.59	272548.1248	4046096.2606	71.00	10.68	5.352	8.6212	S53° 57' 55.16"E
C200	7+063.53	272594.5711	4046056.8081	7+037.37	272574.6359	4046073.7415	7+068.28	272598.4064	4046082.6817	14.52	30.91	26.156	121.9135	N69° 23' 18.65"E


 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. 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)	N-CHT-7 RECH ROAD CHITRAL	FLOOD AFFECTED ROAD		N.T.S
		b			DRAWN	IMRAN TARIQ					DATE:
		c			CHECKED	SHAHZAD DURRANI					AUG.2024
			APPROVED	AQEEL YOUNIS	DWG NO:CEC/KP-RRDP/HW/N-CHT-7 HCD/E						



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	7+103.17	272603.5230	4046117.1984	7+092.60	272601.9722	4046106.7366	7+113.19	272599.2668	4046126.8803	36.69	20.59	10.576	32.1622	N7° 38' 57.58"W
C202	7+132.48	272591.5024	4046144.5425	7+117.78	272597.4200	4046131.0814	7+139.70	272605.6299	4046148.6210	12.87	21.92	14.704	97.6272	N25° 04' 59.54"E
C203	7+196.00	272659.7178	4046164.2359	7+173.26	272637.8695	4046157.9284	7+216.19	272670.0966	4046184.4698	52.62	42.93	22.740	46.7415	N50° 31' 33.90"E
C204	7+245.04	272683.2624	4046210.1368	7+232.23	272677.4191	4046198.7452	7+257.80	272687.6055	4046222.1806	200.00	25.57	12.803	7.3255	N23° 29' 33.27"E
C205	7+268.69	272691.2973	4046232.4181	7+264.27	272689.7998	4046228.2655	7+273.06	272691.7392	4046236.8103	35.73	8.78	4.414	14.0850	N12° 47' 14.40"E
C206	7+288.82	272693.3170	4046252.4944	7+277.32	272692.1654	4046241.0473	7+298.92	272702.6736	4046259.1889	25.44	21.61	11.505	48.6719	N30° 04' 50.85"E
C207	7+319.99	272719.8089	4046271.4490	7+307.83	272709.9127	4046264.3684	7+330.42	272720.1629	4046283.6122	24.54	22.59	12.168	52.7496	N28° 02' 30.94"E
C208	7+352.26	272720.7984	4046305.4468	7+339.79	272720.4355	4046292.9792	7+363.57	272729.5209	4046314.3626	31.90	23.78	12.473	42.7051	N23° 01' 10.77"E
C209	7+382.70	272742.8995	4046328.0376	7+371.81	272735.2857	4046320.2552	7+393.34	272747.1679	4046338.0535	57.92	21.52	10.887	21.2904	N33° 43' 37.17"E
C210	7+436.08	272763.9256	4046377.3762	7+428.48	272760.9453	4046370.3828	7+443.50	272764.0680	4046384.9767	39.09	15.02	7.602	22.0083	N12° 04' 39.46"E
C211	7+454.90	272764.2817	4046396.3776	7+447.12	272764.1358	4046388.5960	7+462.33	272768.2719	4046403.0598	29.28	15.21	7.783	29.7701	N15° 57' 30.67"E
C212	7+493.49	272784.2468	4046429.8116	7+481.82	272778.2631	4046419.7912	7+504.99	272787.0689	4046441.1362	78.80	23.17	11.671	16.8501	N22° 25' 06.74"E
C213	7+528.99	272792.8720	4046464.4221	7+515.61	272789.6367	4046451.4400	7+539.78	272783.0677	4046473.5257	22.66	24.17	13.379	61.1156	N16° 33' 51.47"W
C214	7+569.63	272761.1912	4046493.8388	7+560.32	272768.0204	4046487.4977	7+578.59	272752.2056	4046496.3094	38.08	18.28	9.319	27.5045	N60° 52' 27.73"W
C215	7+596.27	272735.1637	4046500.9950	7+588.70	272742.4573	4046498.9897	7+602.39	272733.3589	4046508.3408	12.89	13.68	7.564	60.8229	N44° 12' 54.65"W
C216	7+638.33	272724.7817	4046543.2511	7+624.07	272728.1852	4046529.3983	7+649.89	272735.1689	4046553.0281	24.44	25.82	14.265	60.5372	N16° 27' 53.58"E
C217	7+695.37	272768.2852	4046584.1988	7+680.33	272757.3289	4046573.8862	7+708.27	272766.7184	4046599.1633	30.37	27.94	15.046	52.7110	N20° 22' 40.85"E
C218	7+741.80	272763.2265	4046632.5123	7+731.30	272764.3200	4046622.0690	7+750.46	272771.5306	4046638.9389	18.85	19.16	10.500	58.2413	N23° 08' 35.47"E
C219	7+766.21	272783.9868	4046648.5786	7+755.01	272775.1277	4046641.7226	7+777.19	272790.0252	4046658.0140	64.70	22.18	11.202	19.6455	N42° 26' 27.99"E
C220	7+799.69	272802.1532	4046676.9646	7+788.73	272796.2451	4046667.7329	7+809.97	272801.7519	4046687.9177	35.06	21.25	10.960	34.7168	N15° 15' 35.99"E
C221	7+842.18	272800.5727	4046720.1019	7+833.20	272800.9016	4046711.1251	7+848.95	272808.8280	4046723.6429	13.10	15.75	8.983	68.8820	N32° 20' 33.37"E
C222	7+858.35	272817.4731	4046727.3511	7+850.03	272809.8273	4046724.0715	7+866.17	272821.9279	4046734.3775	26.87	16.14	8.320	34.4084	N49° 34' 45.81"E
C223	7+902.38	272841.3191	4046764.9624	7+895.14	272837.4400	4046758.8440	7+908.39	272838.2383	4046771.5192	13.19	13.25	7.244	57.5423	N3° 36' 14.58"E
C224	7+923.50	272831.8105	4046785.1995	7+919.15	272833.6640	4046781.2548	7+927.68	272828.3096	4046787.7956	17.30	8.54	4.358	28.2737	N39° 18' 14.09"W
C225	7+934.70	272822.6717	4046791.9765	7+927.80	272828.2141	4046787.8665	7+939.61	272825.1433	4046798.4186	9.09	11.80	6.900	74.4307	N16° 13' 31.45"W
C226	7+969.55	272835.8687	4046826.3737	7+960.17	272832.5085	4046817.6157	7+978.88	272837.5778	4046835.5972	102.17	18.71	9.380	10.4920	N15° 44' 38.22"E
C227	8+011.95	272843.6033	4046868.1142	8+002.98	272841.9705	4046859.3027	8+020.88	272846.4538	4046876.6103	127.37	17.89	8.962	8.0492	N14° 31' 21.15"E
C228	8+032.61	272850.1861	4046887.7344	8+026.20	272848.1479	4046881.6597	8+038.93	272850.3782	4046894.1390	43.32	12.72	6.407	16.8288	N10° 07' 57.85"E
C229	8+073.46	272851.4138	4046928.6587	8+060.82	272851.0345	4046916.0177	8+085.88	272855.8624	4046940.4971	76.08	25.06	12.647	18.8767	N11° 09' 24.19"E
C230	8+102.24	272861.6176	4046955.8125	8+092.02	272858.0216	4046946.2432	8+112.45	272864.2191	4046965.6986	200.00	20.43	10.223	5.8521	N17° 40' 08.62"E
C231	8+141.15	272871.5246	4046993.4606	8+132.25	272869.2587	4046984.8500	8+150.03	272875.0177	4047001.6506	121.89	17.78	8.904	8.3556	N18° 55' 15.05"E
C232	8+184.20	272888.4259	4047033.0878	8+174.93	272884.7887	4047024.5599	8+193.32	272889.2339	4047042.3236	58.21	18.39	9.271	18.0989	N14° 02' 57.14"E
C233	8+209.52	272890.6460	4047058.4648	8+203.54	272890.1249	4047052.5084	8+215.26	272893.8909	4047063.4868	24.10	11.72	5.979	27.8687	N18° 56' 02.74"E
C234	8+232.28	272903.1240	4047077.7761	8+226.34	272899.9044	4047072.7935	8+238.19	272905.6893	4047083.1251	93.68	11.85	5.932	7.2469	N29° 14' 41.98"E
C235	8+258.79	272914.5976	4047101.7003	8+252.72	272911.9694	4047096.2200	8+264.86	272917.8307	4047106.8471	106.80	12.14	6.078	6.5144	N28° 52' 43.61"E
C236	8+293.53	272933.0792	4047131.1215	8+286.73	272929.4651	4047125.3681	8+300.29	272935.7080	4047137.3866	82.88	13.56	6.794	9.3735	N27° 26' 57.34"E
C237	8+315.41	272941.5585	4047151.3299	8+310.54	272939.6756	4047146.8424	8+320.27	272943.8683	4047155.6134	100.00	9.73	4.867	5.5722	N25° 32' 55.05"E
C238	8+334.90	272950.8127	4047168.4918	8+328.33	272947.6946	4047162.7094	8+341.46	272953.2499	4047174.5926	114.67	13.12	6.570	6.5580	N25° 03' 20.61"E
C239	8+391.20	272971.7058	4047220.7900	8+380.87	272967.8712	4047211.1914	8+401.54	272975.1484	4047230.5360	510.04	20.67	10.336	2.3219	N20° 36' 56.72"E
C240	8+431.64	272985.1745	4047258.9200	8+422.82	272982.2373	4047250.6046	8+440.39	272989.8130	4047266.4204	81.98	17.57	8.819	12.2795	N25° 35' 40.31"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	Tender Drawings.	G.DESIGNED AMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA DWG NO:CEC/KP-RRDP/HW/N-CHT-07 HCD/F
		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
C241	8+472.45	273006.6777	4047293.6901	8+462.63	273001.5114	4047285.3363	8+482.25	273010.7105	4047302.6463	150.00	19.62	9.822	7.4929	N27° 59' 16.06"E
C242	8+521.87	273026.9766	4047338.7703	8+514.83	273024.0890	4047332.3574	8+528.90	273029.5859	4047345.3014	327.06	14.06	7.033	2.4638	N23° 00' 33.94"E
C243	8+589.42	273052.0403	4047401.5052	8+569.56	273044.6720	4047383.0623	8+608.58	273066.8235	4047414.7675	84.92	39.02	19.860	26.3265	N34° 56' 26.86"E
C244	8+638.87	273089.3725	4047434.9967	8+626.64	273080.2645	4047426.8257	8+651.10	273098.8369	4047442.7520	546.75	24.47	12.236	2.5641	N49° 23' 09.93"E
C245	8+683.63	273123.9984	4047463.3698	8+671.05	273114.2626	4047455.3922	8+695.18	273126.2890	4047475.7464	34.41	24.13	12.587	40.1826	N30° 34' 36.52"E
C246	8+746.16	273135.5666	4047525.8745	8+726.04	273131.9045	4047506.0880	8+765.90	273145.5884	4047543.3239	117.81	39.86	20.123	19.3850	N20° 10' 40.71"E
C247	8+799.36	273162.2553	4047572.3430	8+785.84	273155.5219	4047560.6193	8+812.87	273168.1952	4047584.4881	406.71	27.03	13.520	3.8078	N27° 57' 59.63"E
C248	8+876.88	273196.3154	4047641.9833	8+863.83	273190.5844	4047630.2655	8+889.88	273203.5199	4047652.8573	200.00	26.05	13.044	7.4632	N29° 47' 39.33"E
C249	8+916.72	273218.3405	4047675.2270	8+907.82	273213.4287	4047667.8133	8+925.55	273221.6745	4047683.4715	88.26	17.73	8.893	11.5081	N27° 46' 18.49"E
C250	8+946.22	273229.4242	4047702.6356	8+935.09	273225.2522	4047692.3186	8+957.27	273235.6277	4047711.8748	107.13	22.18	11.129	11.8611	N27° 56' 53.86"E
C251	8+977.60	273246.9599	4047728.7523	8+969.25	273242.3065	4047721.8218	8+985.91	273250.4728	4047736.3248	106.16	16.66	8.348	8.9921	N29° 22' 58.03"E
C252	9+006.67	273259.2073	4047755.1531	8+997.37	273255.2920	4047746.7132	9+015.92	273264.6124	4047762.7258	100.00	18.55	9.304	10.6308	N30° 12' 07.76"E
C253	9+028.26	273271.7843	4047772.7739	9+018.67	273266.2102	4047764.9644	9+037.86	273277.0200	4047780.8142	449.41	19.19	9.595	2.4461	N34° 17' 40.29"E
C254	9+128.60	273326.5379	4047856.8573	9+115.69	273319.4903	4047846.0345	9+141.42	273331.1876	4047868.9065	123.19	25.74	12.915	11.9704	N27° 05' 10.68"E
C255	9+222.26	273360.2906	4047944.3245	9+210.09	273355.9074	4047932.9656	9+233.97	273369.4220	4047952.3778	49.78	23.88	12.175	27.4886	N34° 50' 43.60"E
C256	9+261.52	273390.0837	4047970.6001	9+250.83	273382.0696	4047963.5321	9+269.51	273386.2549	4047980.5761	15.38	18.68	10.686	69.5864	N13° 47' 47.64"E
C257	9+289.69	273379.0233	4047999.4184	9+280.73	273382.2347	4047991.0510	9+297.04	273384.5523	4048006.4722	15.81	16.31	8.962	59.0866	N8° 32' 47.96"E
C258	9+303.39	273388.4751	4048011.4771	9+297.26	273384.6916	4048006.6500	9+308.60	273386.7909	4048017.3744	12.03	11.34	6.133	54.0289	N11° 04' 31.84"E
C259	9+356.69	273373.5873	4048063.6068	9+341.73	273377.6939	4048049.2275	9+371.04	273376.7523	4048078.2222	59.63	29.30	14.954	28.1577	N1° 51' 36.18"W
C260	9+395.95	273382.0249	4048102.5702	9+385.09	273379.7259	4048091.9538	9+406.67	273387.1221	4048112.1624	78.45	21.59	10.862	15.7670	N20° 06' 08.38"E
C261	9+428.65	273397.4366	4048131.5727	9+417.61	273392.2560	4048121.8236	9+435.16	273407.3528	4048126.7197	11.41	17.55	11.040	88.0913	N72° 01' 53.36"E
C262	9+474.33	273442.5299	4048109.5041	9+455.80	273425.8926	4048117.6464	9+473.06	273435.7411	4048126.7381	7.19	17.26	18.523	137.5776	N47° 17' 18.00"E
C263	9+498.45	273426.4370	4048150.3573	9+488.38	273430.1283	4048140.9867	9+505.96	273433.9619	4048157.0513	14.43	17.58	10.071	69.8446	N13° 25' 18.59"E
C264	9+538.71	273458.4303	4048178.8181	9+522.59	273446.3875	4048168.1050	9+554.73	273472.2911	4048187.0446	167.91	32.14	16.118	10.9665	N53° 49' 38.66"E
C265	9+685.83	273585.0290	4048253.9550	9+677.64	273577.9823	4048249.7727	9+693.77	273589.6649	4048260.7121	37.18	16.13	8.194	24.8575	N46° 52' 54.96"E
C266	9+702.67	273594.7025	4048268.0546	9+695.06	273590.3987	4048261.7816	9+710.22	273600.2108	4048273.3017	72.76	15.16	7.607	11.9379	N40° 25' 19.71"E
C267	9+752.70	273630.9665	4048302.5991	9+742.51	273623.5865	4048295.5690	9+762.73	273635.8542	4048311.5432	65.33	20.22	10.192	17.7357	N37° 31' 23.62"E
C268	9+783.29	273645.7155	4048329.5887	9+774.55	273641.5242	4048321.9189	9+791.95	273648.0033	4048338.0243	73.95	17.40	8.740	13.4815	N21° 54' 52.55"E
C269	9+811.75	273653.1856	4048357.1328	9+803.09	273650.9184	4048348.7729	9+820.37	273656.8874	4048364.9639	97.76	17.28	8.662	10.1267	N20° 14' 13.82"E
C270	9+839.54	273665.0786	4048382.2921	9+833.31	273662.4169	4048376.8613	9+845.76	273668.0855	4048387.7464	200.00	12.45	6.228	3.5674	N27° 05' 03.11"E
C271	9+869.79	273679.6890	4048408.7939	9+855.20	273672.6424	4048396.0121	9+884.14	273690.3859	4048418.7238	90.81	28.94	14.595	18.2618	N37° 59' 55.58"E
C272	9+901.76	273703.2982	4048430.7101	9+892.54	273696.5377	4048424.4344	9+906.48	273696.3766	4048436.8077	8.34	13.94	9.224	95.7515	N0° 44' 45.96"W
C273	9+966.49	273651.3436	4048476.4790	9+954.59	273660.2754	4048468.6107	9+972.86	273659.7443	4048484.9120	11.20	18.27	11.903	93.5118	N1° 51' 57.53"W
C274	10+013.40	273688.3572	4048513.6351	10+002.75	273680.8418	4048506.0907	10+024.02	273694.8027	4048522.1118	159.46	21.27	10.649	7.6414	N41° 04' 09.14"E
C275	10+068.99	273722.0233	4048557.9107	10+059.19	273716.0929	4048550.1114	10+078.57	273724.7353	4048567.3258	52.41	19.37	9.798	21.1799	N26° 39' 30.87"E
C276	10+119.93	273736.1853	4048607.0770	10+108.97	273733.1500	4048596.5394	10+130.72	273742.3632	4048616.1371	68.38	21.75	10.966	18.2206	N25° 10' 44.26"E
C277	10+160.16	273758.9507	4048640.4632	10+154.14	273755.5585	4048635.4884	10+166.15	273761.4674	4048645.9333	71.84	12.01	6.021	9.5827	N29° 29' 52.57"E
C278	10+185.95	273769.7406	4048663.9150	10+179.73	273767.1428	4048658.2687	10+192.08	273773.8061	4048668.6163	43.82	12.35	6.215	16.1459	N32° 46' 46.44"E
C279	10+217.18	273790.2268	4048687.6046	10+210.72	273785.9998	4048682.7167	10+223.62	273793.6747	4048693.0702	85.87	12.90	6.462	8.6077	N36° 32' 55.25"E
C280	10+246.56	273805.9136	4048712.4716	10+235.57	273800.0521	4048703.1798	10+257.49	273813.3397	4048720.5679	122.10	21.91	10.986	10.2830	N37° 23' 10.78"E

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

(Signature)



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA</p> <p>COMMUNICATION & WORKS DEPARTMENT</p> <p>PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P)</p> <p>J.V.</p> <p>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)	N-CHT-7 RECH ROAD CHITRAL		N.T.S
		a			DRAWN	IMRAN TARIO				DATE:
		b			CHECKED	SHAHZAD DURRANI				AUG.2024
c			APPROVED	AQEEL YOUNIS	DWG NO:CEC/KP-RRDP/HW/N-CHT-07 HCD/ G					

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+271.84	273823.0453	4048731.1493	10+263.38	273817.3237	4048724.9115	10+280.29	273827.9133	4048738.0740	130.53	16.91	8.464	7.4208	N38° 49' 02.78"E
C282	10+293.49	273835.5065	4048748.8752	10+284.33	273830.2420	4048741.3866	10+302.59	273842.0264	4048755.3005	101.45	18.26	9.154	10.3121	N40° 15' 47.12"E
C283	10+321.59	273855.5552	4048768.6327	10+315.96	273851.5492	4048764.6849	10+327.21	273859.7251	4048772.4071	265.01	11.25	5.624	2.4317	N46° 38' 05.91"E
C284	10+351.29	273877.5800	4048788.5681	10+343.27	273871.6323	4048783.1846	10+359.27	273882.4085	4048794.9746	84.50	16.00	8.022	10.8462	N42° 25' 39.71"E
C285	10+373.27	273890.8342	4048806.1540	10+365.41	273886.1069	4048799.8817	10+381.09	273896.4828	4048811.6113	100.00	15.68	7.854	8.9818	N41° 29' 43.73"E
C286	10+412.80	273919.2860	4048833.6427	10+402.82	273912.1116	4048826.7111	10+422.65	273928.0496	4048838.4092	73.44	19.83	9.976	15.4717	N53° 43' 20.08"E
C287	10+444.97	273947.6536	4048849.0719	10+433.12	273937.2479	4048843.4122	10+455.69	273959.1229	4048846.1110	30.06	22.57	11.845	43.0172	N82° 58' 00.10"E
C288	10+467.96	273971.0033	4048843.0440	10+457.65	273961.0220	4048845.6208	10+476.72	273978.9620	4048849.5958	20.26	19.07	10.309	53.9375	N77° 30' 23.52"E
C289	10+503.47	273999.6142	4048866.5973	10+492.86	273991.4216	4048859.8529	10+513.97	274009.2508	4048871.0408	82.22	21.11	10.612	14.7076	N57° 53' 29.77"E
C290	10+533.40	274026.9000	4048879.1789	10+526.12	274020.2854	4048876.1289	10+540.41	274031.4080	4048884.9002	30.33	14.30	7.284	27.0096	N51° 44' 26.19"E
C291	10+559.45	274043.1906	4048899.8540	10+548.27	274036.2705	4048891.0714	10+570.61	274051.0466	4048907.8105	200.00	22.34	11.181	6.3998	N41° 26' 08.44"E
C292	10+602.93	274073.7561	4048930.8108	10+590.86	274065.2754	4048922.2215	10+615.00	274082.6536	4048938.9677	485.07	24.14	12.071	2.8509	N46° 03' 39.71"E
C293	10+636.55	274098.5390	4048953.5308	10+624.20	274089.4379	4048945.1873	10+648.36	274102.3986	4048965.2588	47.28	24.15	12.347	29.2705	N32° 51' 04.54"E
C294	10+674.17	274110.4676	4048989.7780	10+664.25	274107.3663	4048980.3540	10+684.05	274114.9514	4048998.6281	131.14	19.80	9.921	8.6525	N22° 32' 32.15"E
C295	10+710.47	274126.8910	4049022.1944	10+702.06	274123.0907	4049014.6932	10+718.86	274131.4991	4049029.2284	151.34	16.80	8.409	6.3606	N30° 02' 55.77"E
C296	10+757.60	274152.7253	4049061.6295	10+746.31	274146.5422	4049052.1912	10+768.88	274158.3796	4049071.3938	409.72	22.56	11.283	3.1550	N31° 39' 06.01"E
C297	10+808.27	274178.1192	4049105.4817	10+801.18	274174.5682	4049099.3496	10+815.28	274180.0592	4049112.2970	56.95	14.10	7.086	14.1845	N22° 58' 54.91"E
C298	10+837.90	274186.2534	4049134.0568	10+824.59	274182.6089	4049121.2540	10+850.43	274196.4212	4049142.6480	43.66	25.84	13.311	33.9145	N32° 50' 48.83"E
C299	10+891.57	274227.8452	4049169.1994	10+876.35	274216.2157	4049159.3732	10+906.79	274239.9667	4049178.4120	589.22	30.44	15.225	2.9603	N51° 17' 03.51"E
C300	11+016.58	274327.3779	4049244.8462	11+009.04	274321.3721	4049240.2816	11+024.12	274333.6055	4049249.1031	300.00	15.08	7.543	2.8808	N54° 12' 17.51"E
C301	11+067.82	274369.6761	4049273.7593	11+060.57	274363.6983	4049269.6731	11+074.95	274374.2191	4049279.3977	49.08	14.38	7.241	16.7861	N47° 15' 07.96"E
C302	11+090.31	274383.8571	4049291.3597	11+083.99	274379.8874	4049286.4328	11+096.53	274389.2083	4049294.7355	38.02	12.54	6.327	18.8954	N48° 18' 24.68"E
C303	11+122.25	274410.9630	4049308.4592	11+115.12	274404.9357	4049304.6569	11+129.25	274415.4894	4049313.9636	44.19	14.13	7.126	18.3234	N48° 35' 34.24"E
C304	11+191.48	274455.0143	4049362.0288	11+180.52	274448.0540	4049353.5645	11+202.30	274459.3815	4049372.0795	78.24	21.78	10.959	15.9458	N31° 27' 29.64"E
C305	11+225.18	274468.5009	4049393.0676	11+217.01	274465.2450	4049385.5741	11+233.35	274472.2392	4049400.3325	250.00	16.33	8.170	3.7437	N25° 21' 25.78"E
C306	11+285.58	274496.1360	4049446.7728	11+267.22	274487.7378	4049430.4519	11+303.53	274509.7540	4049459.0795	100.67	36.31	18.355	20.6665	N37° 33' 43.99"E
C307	11+338.77	274535.9001	4049482.7082	11+325.87	274526.3280	4049474.0577	11+349.93	274535.1306	4049495.5871	26.86	24.06	12.902	51.3149	N22° 14' 16.74"E
C308	11+372.98	274533.7555	4049518.5998	11+358.23	274534.6351	4049503.8794	11+386.65	274542.0894	4049530.7657	43.03	28.41	14.747	37.8311	N15° 29' 45.90"E
C309	11+410.50	274555.5718	4049550.4477	11+400.00	274549.6355	4049541.7817	11+420.78	274558.1084	4049560.6412	58.27	20.79	10.504	20.4376	N24° 11' 34.22"E
C310	11+452.45	274565.7547	4049591.3681	11+437.54	274562.1552	4049576.9032	11+467.10	274573.7389	4049603.9556	91.97	29.56	14.906	18.4128	N23° 10' 49.60"E
C311	11+507.61	274595.4398	4049638.1681	11+471.20	274575.9373	4049607.4214	11+540.45	274588.2806	4049673.8676	90.74	69.25	36.410	43.7266	N10° 31' 24.90"E
C312	11+569.60	274582.5505	4049702.4412	11+560.74	274584.2913	4049693.7605	11+578.30	274583.6210	4049711.2297	55.01	17.56	8.853	18.2846	N2° 11' 50.68"W
C313	11+624.51	274589.2086	4049757.1017	11+608.08	274587.2216	4049740.7898	11+639.07	274602.5217	4049766.7343	37.64	30.99	16.432	47.1680	N30° 31' 43.88"E
C314	11+649.14	274610.6873	4049772.6425	11+641.92	274604.8371	4049768.4096	11+656.23	274614.8319	4049778.5555	42.95	14.31	7.221	19.0855	N44° 34' 12.25"E
C315	11+670.41	274622.9692	4049790.1649	11+662.91	274618.6650	4049784.0242	11+677.84	274628.5287	4049795.1975	66.74	14.94	7.499	12.8212	N41° 26' 16.42"E
C316	11+693.07	274639.8164	4049805.4152	11+688.24	274636.2359	4049802.1741	11+697.89	274643.0137	4049809.0349	86.45	9.65	4.830	6.3947	N44° 39' 04.03"E
C317	11+718.13	274656.4159	4049824.2079	11+708.55	274650.0714	4049817.0251	11+727.68	274661.5211	4049832.3185	118.27	19.13	9.584	9.2653	N36° 49' 15.93"E
C318	11+751.35	274674.1320	4049852.3533	11+740.29	274668.2383	4049842.9900	11+761.11	274685.0299	4049854.2620	24.92	20.82	11.064	47.8776	N56° 07' 37.98"E
C319	11+793.08	274716.5233	4049859.7777	11+777.56	274701.2321	4049857.0996	11+805.61	274721.5836	4049874.4537	26.33	28.05	15.524	61.0417	N49° 32' 42.60"E
C320	11+825.91	274728.2010	4049893.6456	11+816.43	274725.1079	4049884.6750	11+834.57	274736.4613	4049898.3152	25.05	18.14	9.489	41.4958	N39° 46' 20.14"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. 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)	N-CHT-07 RECH ROAD CHITRAL		N.T.S
		b			DRAWN	IMRAN TARIQ				DATE:
		c			CHECKED	SHAHZAD DURRANI				AUG.2024
					APPROVED	AQEEL YOUNIS				
									DWG NO:CEC/KP-RRDP/HW/N-CHT-07/HCD/H	



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+885.97	274781.2115	4049923.6129	11+875.43	274772.0370	4049918.4264	11+896.42	274791.3134	4049926.6170	93.09	20.99	10.539	12.9179	N66° 58' 44.88"E
C322	11+925.84	274819.5129	4049935.0033	11+910.77	274805.0692	4049930.7079	11+937.17	274820.6524	4049950.0290	21.88	26.39	15.069	69.1011	N38° 53' 15.03"E
C323	11+976.78	274823.6478	4049989.5261	11+960.53	274822.4196	4049973.3313	11+991.28	274836.0819	4049999.9747	38.62	30.75	16.241	45.6222	N27° 08' 52.94"E
C324	12+064.93	274892.4624	4050047.3521	12+056.24	274885.8091	4050041.7612	12+073.60	274898.3988	4050053.6989	144.72	17.36	8.690	6.8728	N46° 31' 21.80"E



<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			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-7 RECH ROAD CHITRAL	N.T.S	
		a			DRAWN	IMRAN TARIO						DATE:	
		b			CHECKED	SHAHZAD DURRANI						AUG.2024	HORIZONTAL CURVE DATA
		c			APPROVED	AQEEL YOUNIS							

LIST OF BENCH MARKS


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





LIST OF CULVERTS & CAUSEWAYS


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





**KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)
(N-CHT-7)**

LIST OF CULVERT

S. No.	Location (Km)	Type of Structure	Existing Structures		Proposed / Recommended						Remarks	
			Size (L x W) (m)	INVERT LEVEL	Replaced			New				
					No. of Cells	Type	Size W x H (m)	No. of Cells	Type	Size L x W (m)		
1	0+200			2402.93					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
3				2412.28					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
4	00+675			2407.74					1	SLAB CULVERT	2X2	PROPOSED SLAB CULVERT
5	00+725			2406.041					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
6	00+900			2401.288					1	SLAB CULVERT	1.5x15	PROPOSED SLAB CULVERT
7	01+525			2398.27					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
8	01+650			2398.64					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
9	01+925			2401.95					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
10	02+025			2408.41					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
11	02+225			2419.28					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
12	02+325			2425.63					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
13	02+475			2432.412					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
14	02+800			2240.5					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
15	03+125			2447.42					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
	03+225									SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
16	03+400			2434.76					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
17	03+950			2429.74					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
19	04+400			2434.67					1	SLAB CULVERT	2X2	PROPOSED SLAB CULVERT
20	04+615			2451.14					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
21	04+700			2462.22					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
22	04+920			2469.036					1	SLAB CULVERT	2x1.5	PROPOSED SLAB CULVERT
23	05+550			2493.39					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
24	05+975			2480.47					1	SLAB CULVERT	1.5x2	PROPOSED SLAB CULVERT
25	06+250			2467.98					1	SLAB CULVERT	2x1.5	PROPOSED SLAB CULVERT
26	06+425			2468.91					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
27	07+075			2472.02					1	SLAB CULVERT	2x2	PROPOSED SLAB CULVERT
29	07+275			2485.01					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
30	7475-7500								1	CAUSEWAY	25M	PROPOSED CAUSEWAY
31	7900-7925	EXISTING CAUSEWAY				1	REPLACED VENTED CAUSEWAY	5X3				REPLACED
32	08+410			2489.13					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
33	08+725			2477.47					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
34	09+525			2465.95					1	SLAB CULVERT	1.5x1.5	PROPOSED SLAB CULVERT
35	09+125			2462.29					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
36	09+275			2462.5					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
37	9430-9460			2457.06					1	BRIDGE	30M	PROPOSED BRIDGE
38	09+575			2446.57					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
39	10+900			2534.52					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
40	11+700			2596.49					1	SLAB CULVERT	1.5X1.5	PROPOSED SLAB CULVERT
42	09+785	BRIDGE								REPLACED BRIDGE		REPLACED BRIDGE 35 M

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



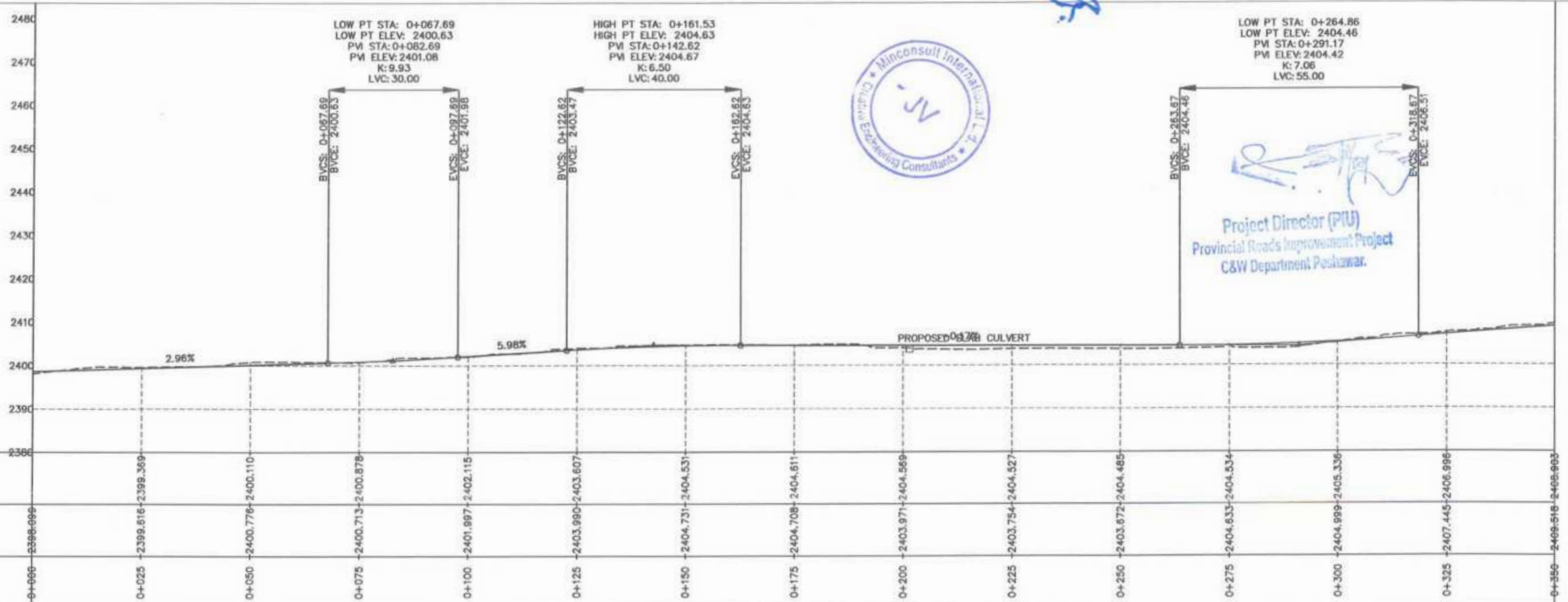
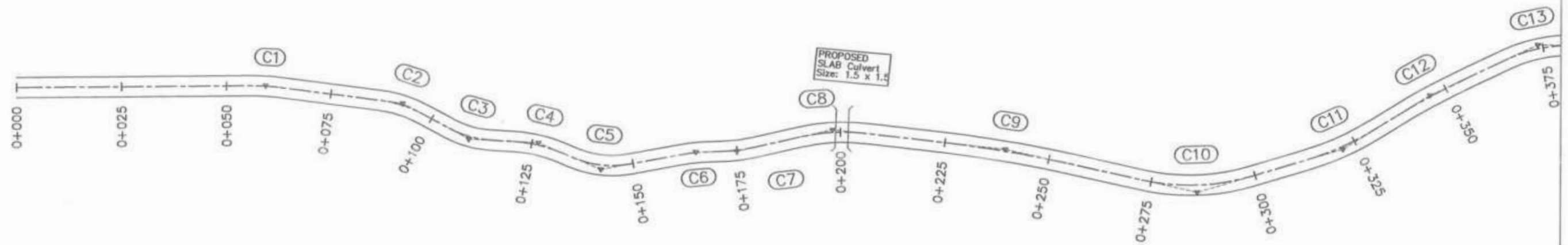
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV: 0 DATE: AUG, 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: SHAHZAD DURRANI APPROVED: AGEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (RRDP)	ROAD NAME: N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE: N.T.S. DATE: AUG, 2024.	SHEET CONTENT: LIST OF CULVERT DWG NO: CEC/KP-RRDP/PIU/N-CHT-7 SI-01
	 MINCONSULT SDN BHD (COMPANY NO. 59335-P) J.V.	 CREATIVE ENGINEERING CONSULTANTS (CEC)					

PLAN & PROFILE DRAWINGS


Project Director (PM)
Provincial Roads Improvement Project
C&W Department, P.O. Box 200

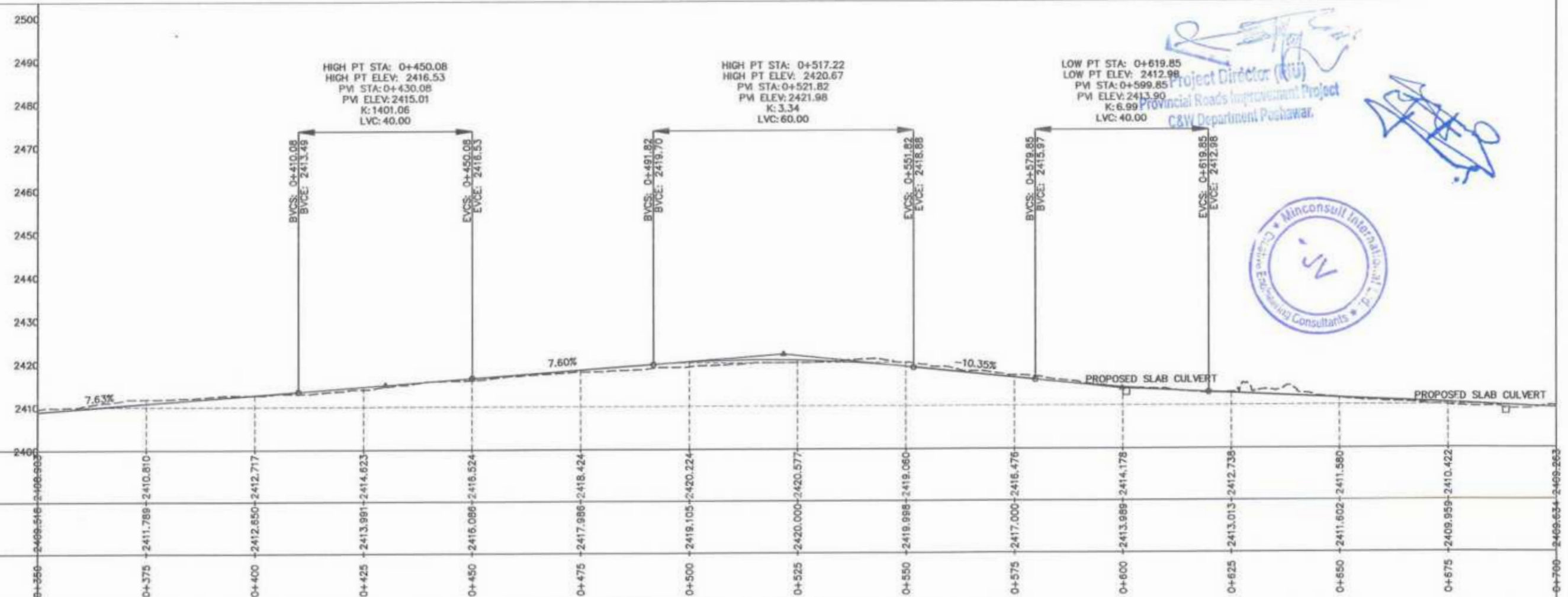
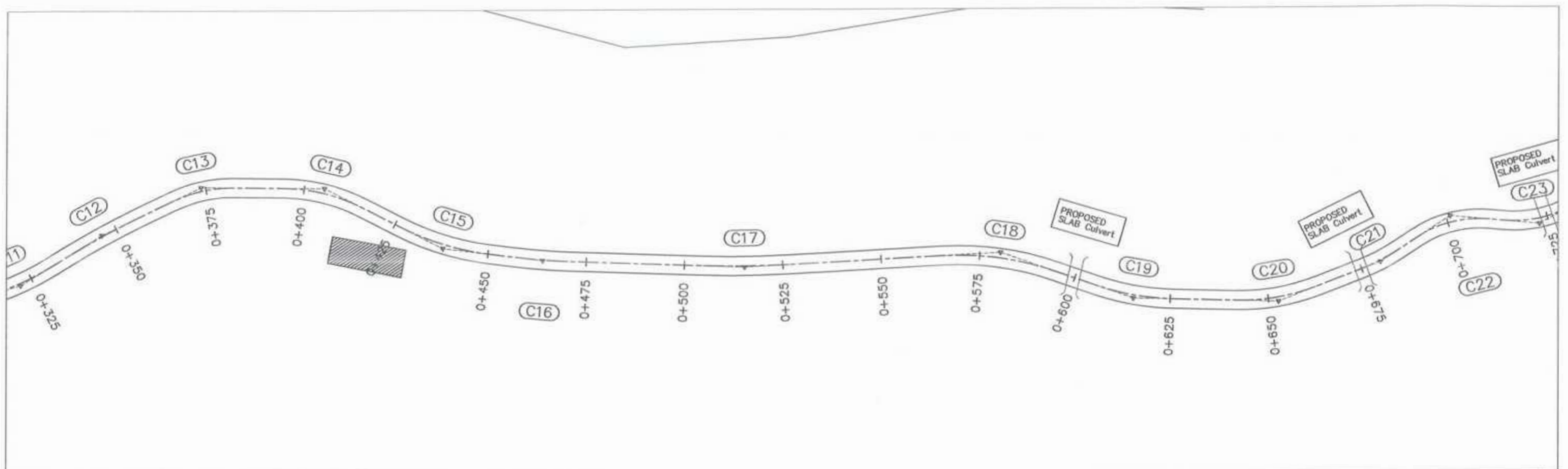






Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

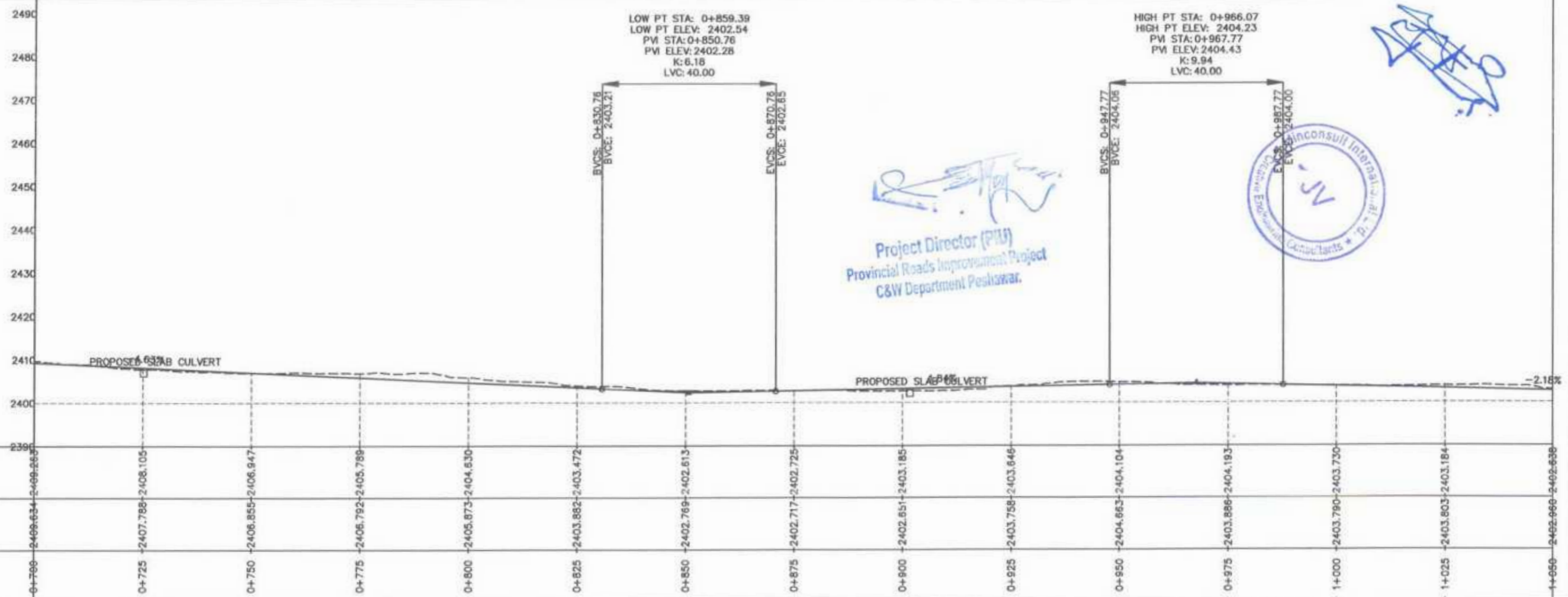
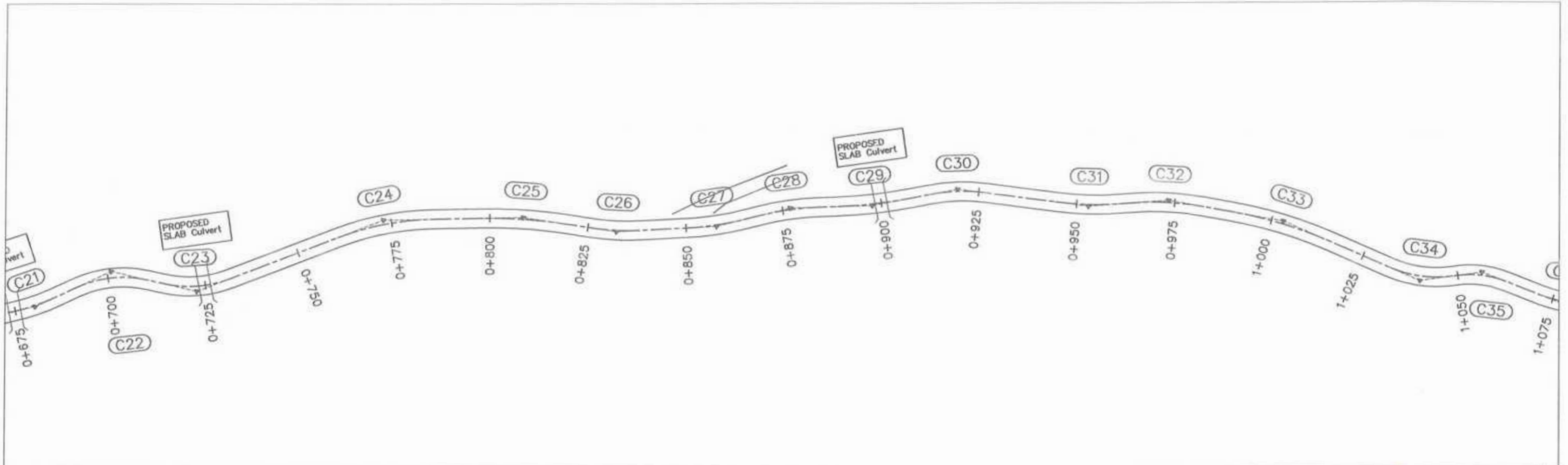
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0	DATE: AUG.2024	DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: AAMIR KHAN	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG.2024	SHEET CONTENT: PLAN & PROFILE 0+000.00 - 0+350.00 DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/1
		a			DRAWN: IMRAN TARIQ			
		b			CHECKED: S.DURRANI			
		c			APPROVED: ADEEL YOUNIS			



Project Director (R&I)
 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	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	H:1:1000 V:1:1000 DATE: AUG.2024	PLAN & PROFILE 0+350.00 - 0+700.00 DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/
		a			DRAWN	IMRAN TARIQ		
		b			CHECKED	S.DURRANI		
		c			APPROVED	AOEEL YOUNIS		
					PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	2

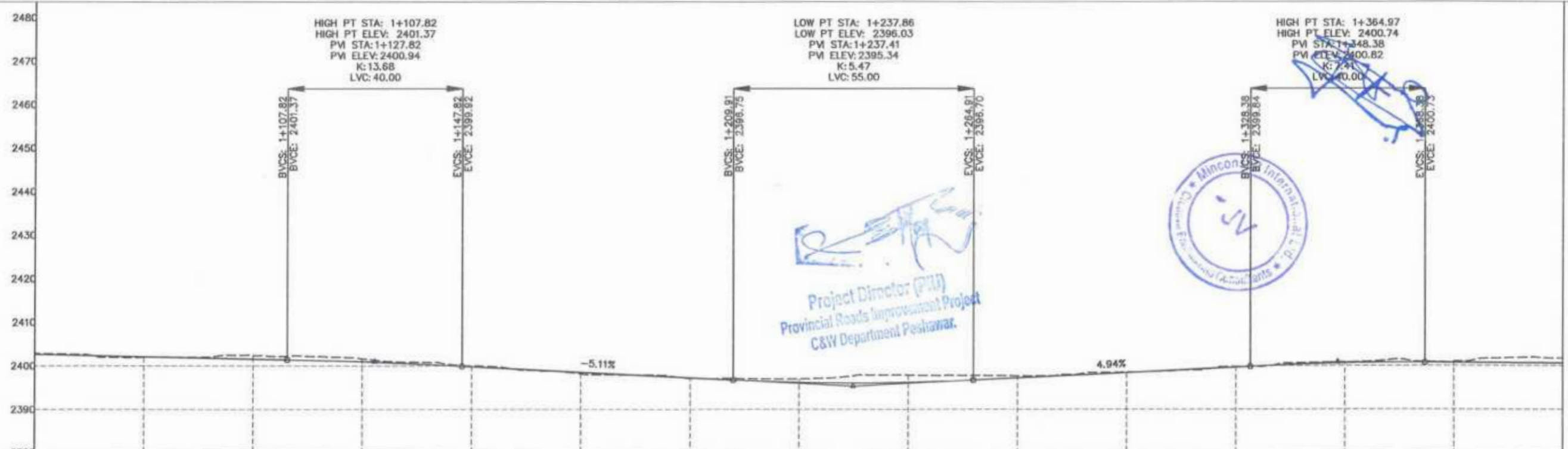
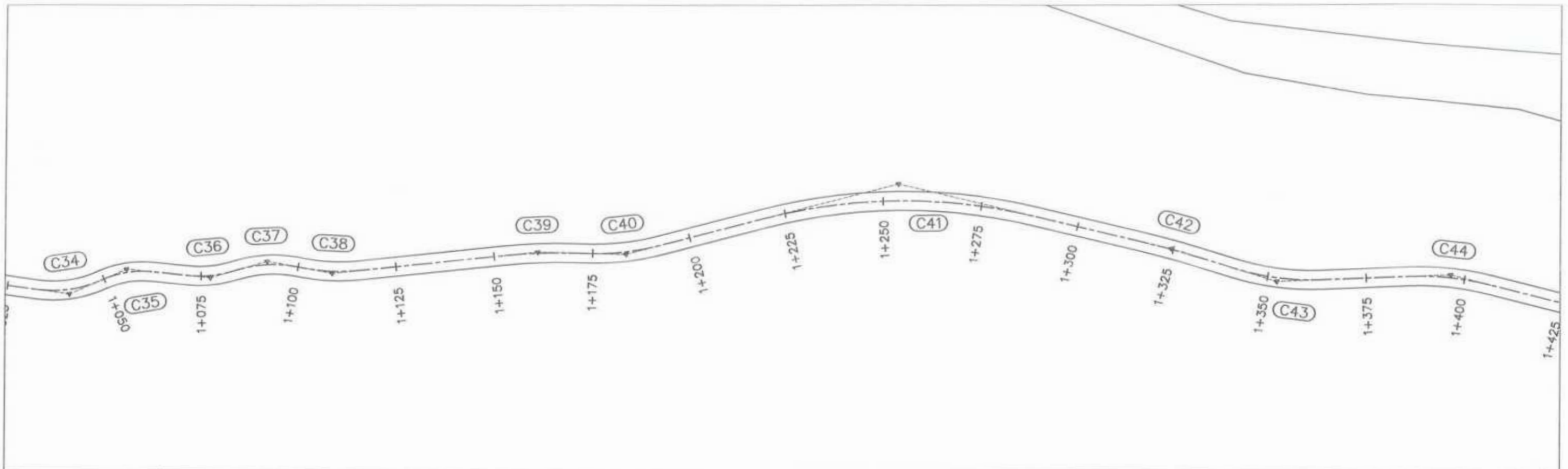


Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.



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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES		PROJECT:	SCALE:	SHEET CONTENT:	
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		b			DRAWN	IMRAN TARIQ		RECH ROAD CHITRAL	V:1:1000	
		c			CHECKED	S.DURRANI		FLOOD AFFECTED ROAD	DATE:	
			APPROVED	AGEEL YOUNIS	AUG.2024	DWG NO. CEC/RP-RRDP/PIU/N-CHT-7/				

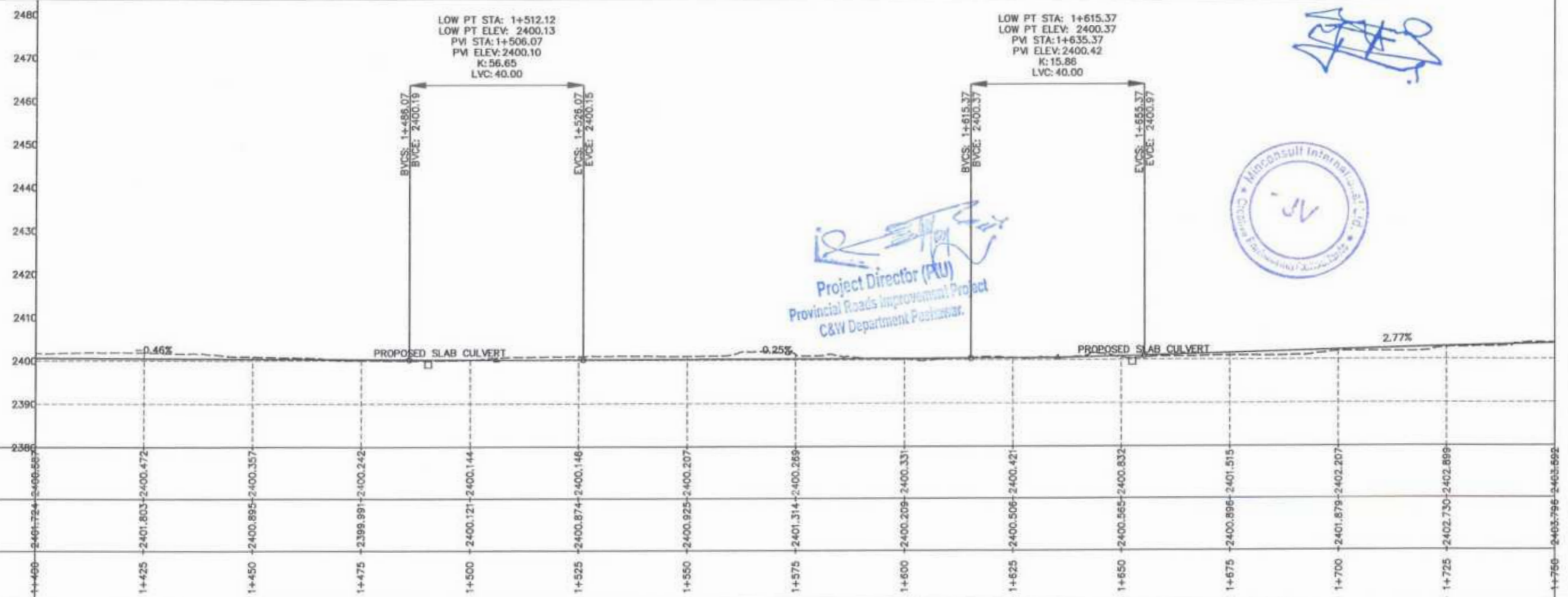
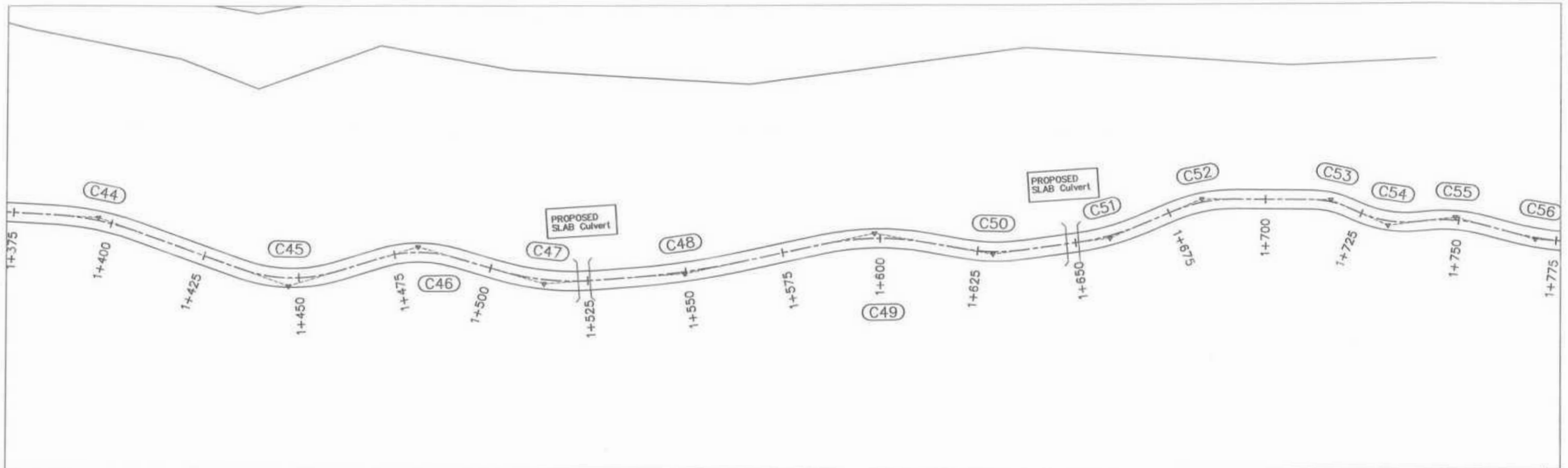


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C&W Department Peshawar.



F.R.L	1+050	1+075	1+100	1+125	1+150	1+175	1+200	1+225	1+250	1+275	1+300	1+325	1+350	1+375	1+400	1+425
N.S.L	2402.966	2401.977	2402.092	2401.546	2400.892	2399.805	2398.529	2397.252	2396.183	2397.166	2397.199	2398.434	2399.669	2400.589	2400.702	2400.687
STATION	1+050	1+075	1+100	1+125	1+150	1+175	1+200	1+225	1+250	1+275	1+300	1+325	1+350	1+375	1+400	1+425

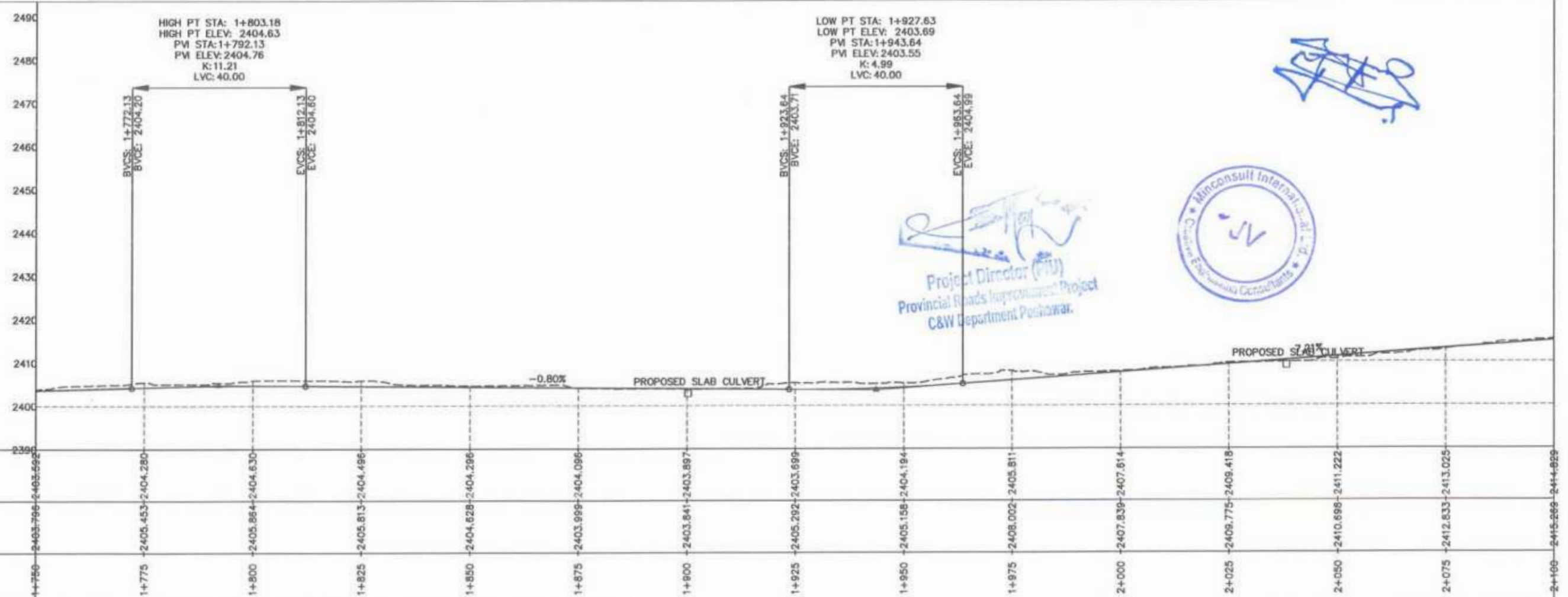
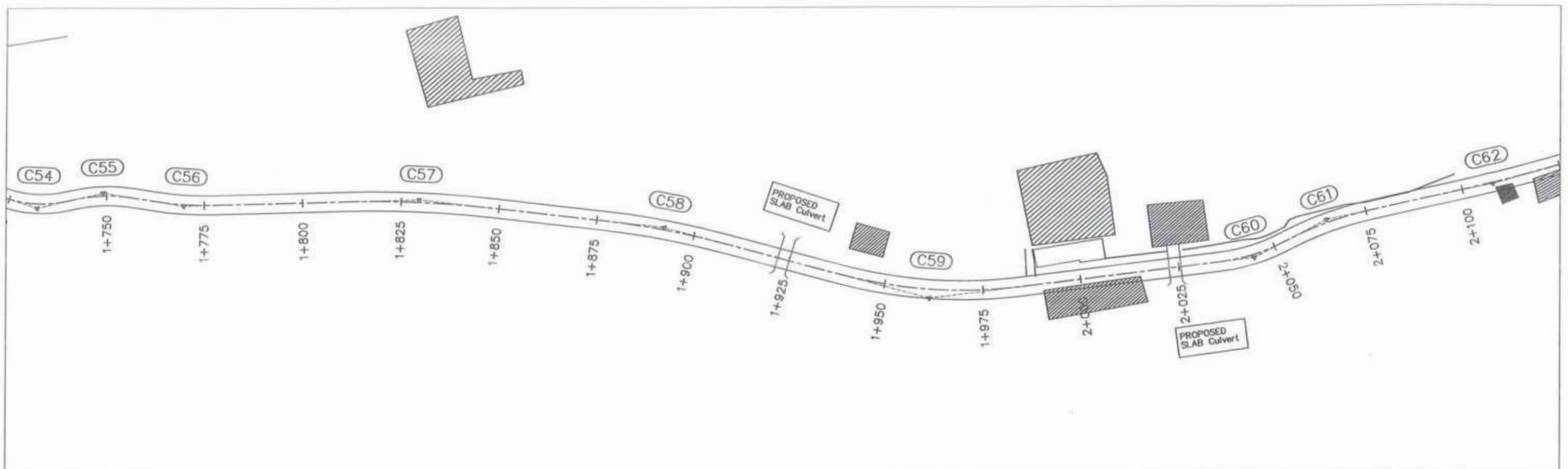
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES		PROJECT	SCALE	SHEET CONTENT
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	AAMIR KHAN			
		a			DRAWN	IMRAN TARIQ			
		b			CHECKED	S. DURRANI			
			c			APPROVED	AOEEL YOUNIS	H:1:1000 V:1:1000 DATE: AUG, 2024	PLAN & PROFILE 1+050.00 - 1+400.00 DWG NO. CEC/KP-RRDP/PIU/N-CHT-7/
CLIENT:		DESIGN CONSULTANT:		PROJECT:		N-CHT-7 RECH ROAD CHTRAL FLOOD AFFECTED ROAD			



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



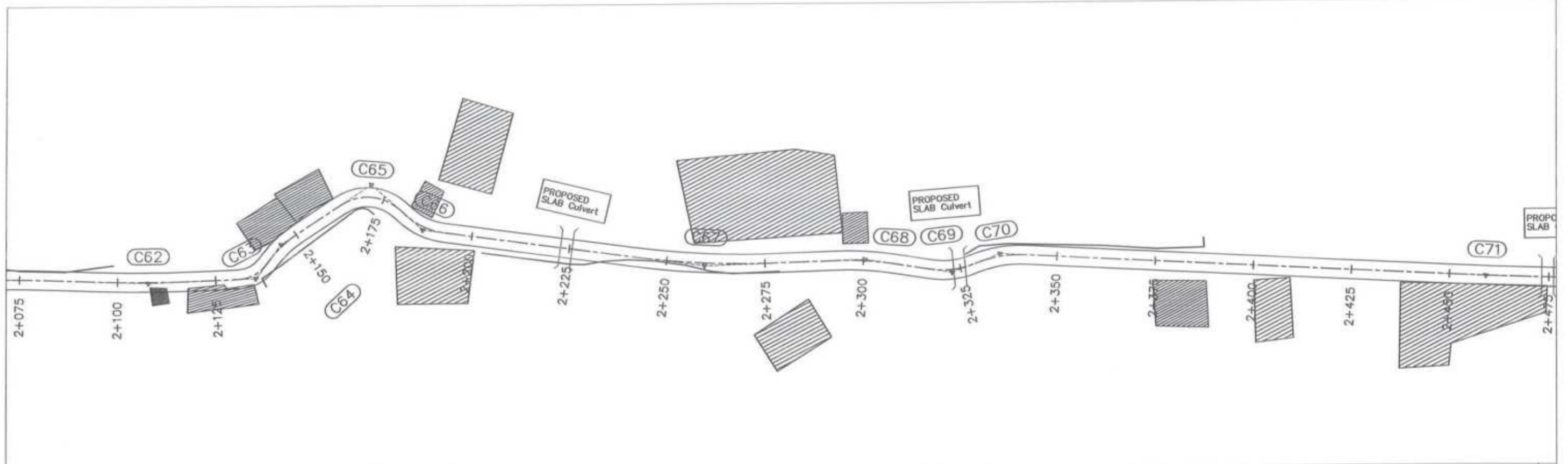
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG.2024	SHEET CONTENT: N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD PLAN & PROFILE 1+400.00 - 1+750.00 DWG NO.CECP/RRDP/RHW/N-CHT-7/
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN			
		a			DRAWN	IMRAN TARIQ			
		b			CHECKED	S.DURRANI			
			c		APPROVED	AQEEL YOUNIS			5



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

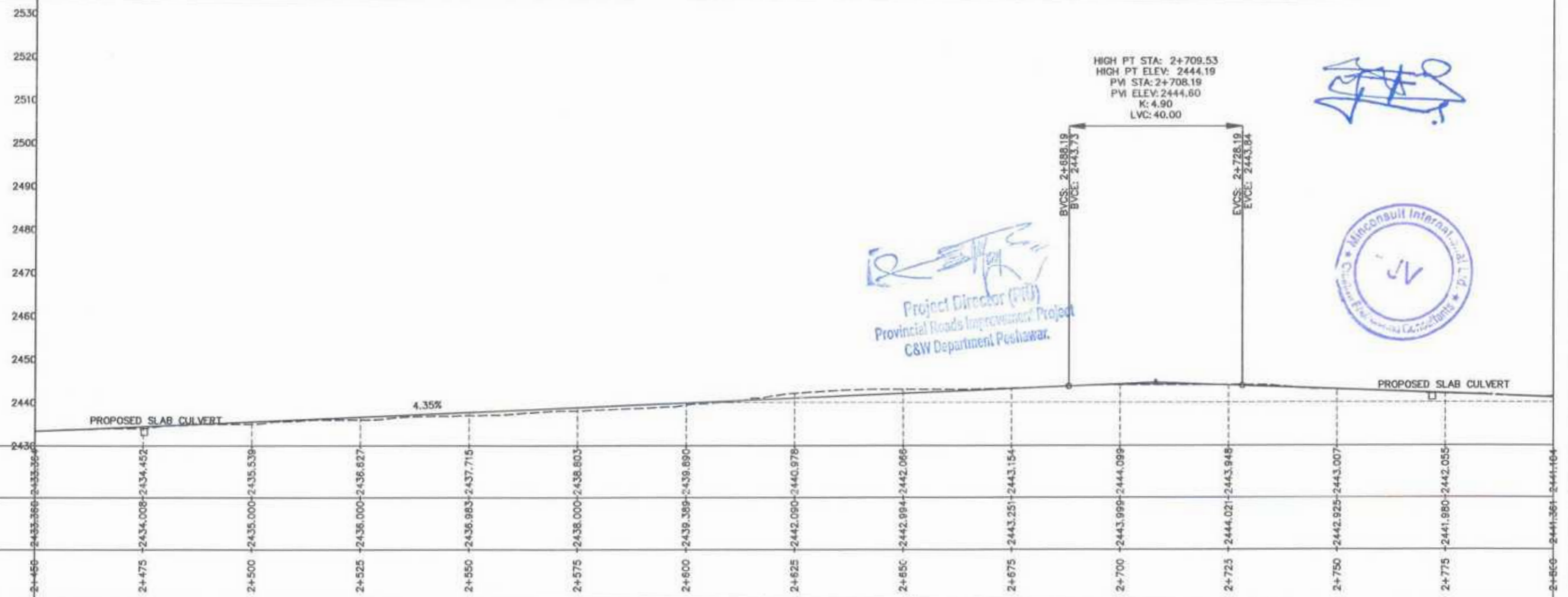
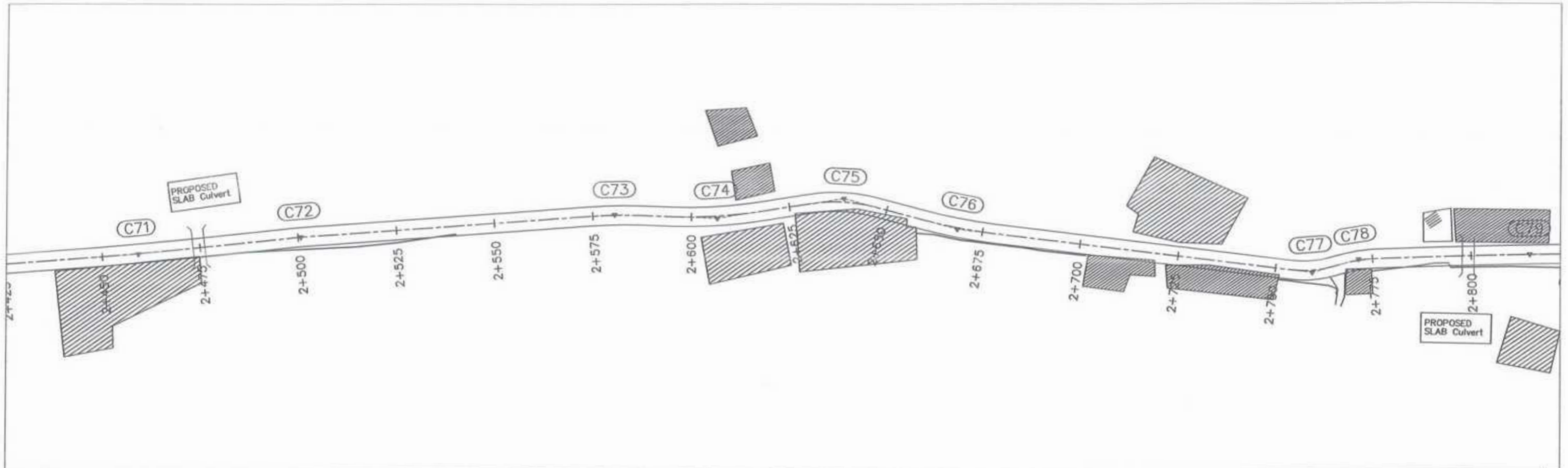


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: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

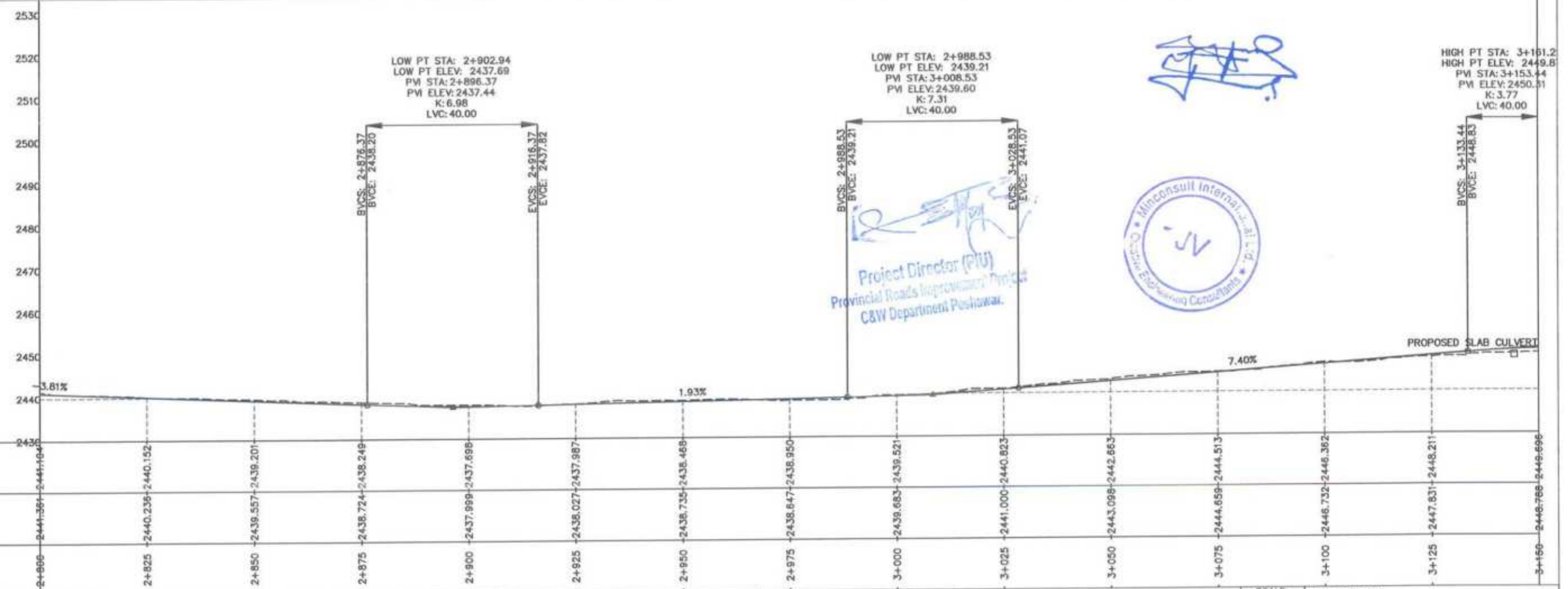
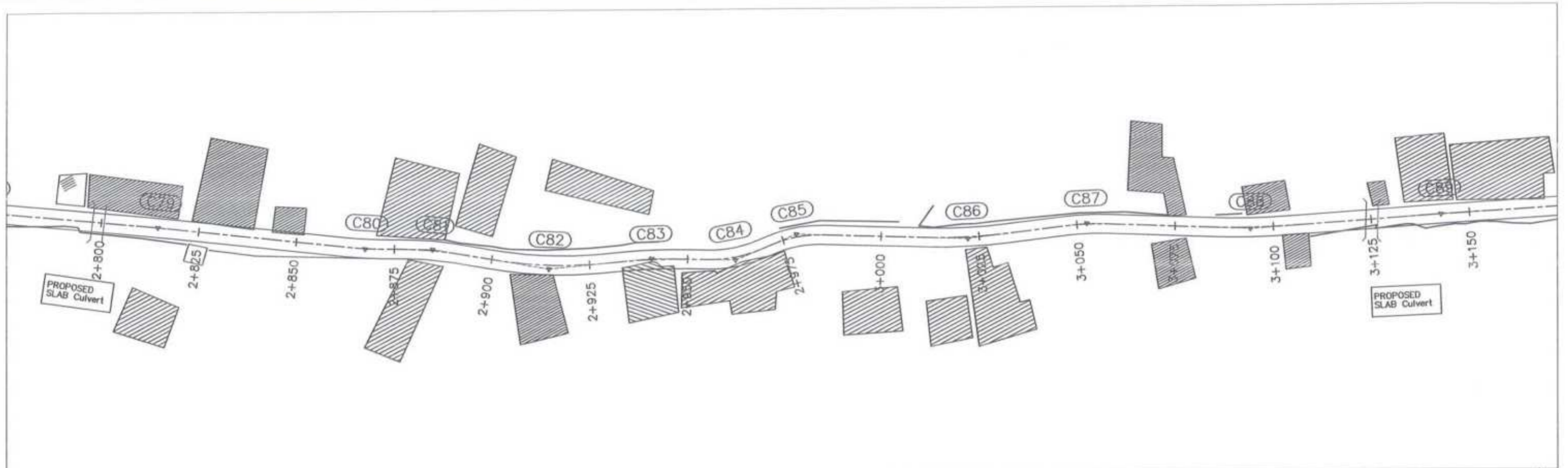


Project Director (PIU)
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C&W Department Peshawar.



STATION	N.S.L	F.R.L
2+450	2433.366	2433.366
2+475	2434.008	2434.452
2+500	2435.000	2435.539
2+525	2436.000	2436.627
2+550	2436.983	2437.715
2+575	2438.000	2438.803
2+600	2439.389	2439.890
2+625	2442.090	2440.978
2+650	2442.994	2442.066
2+675	2443.251	2443.154
2+700	2443.999	2444.099
2+725	2444.021	2443.948
2+750	2442.925	2443.007
2+775	2441.980	2442.055
2+800	2441.361	2441.164

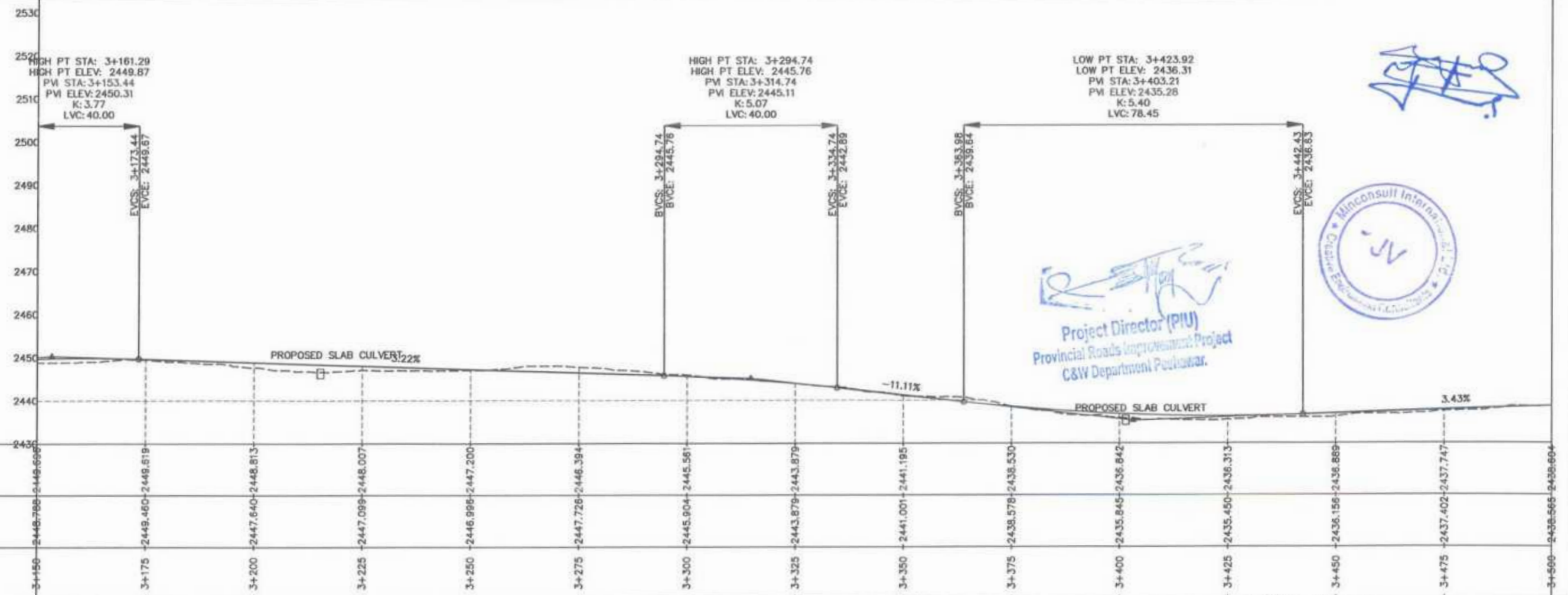
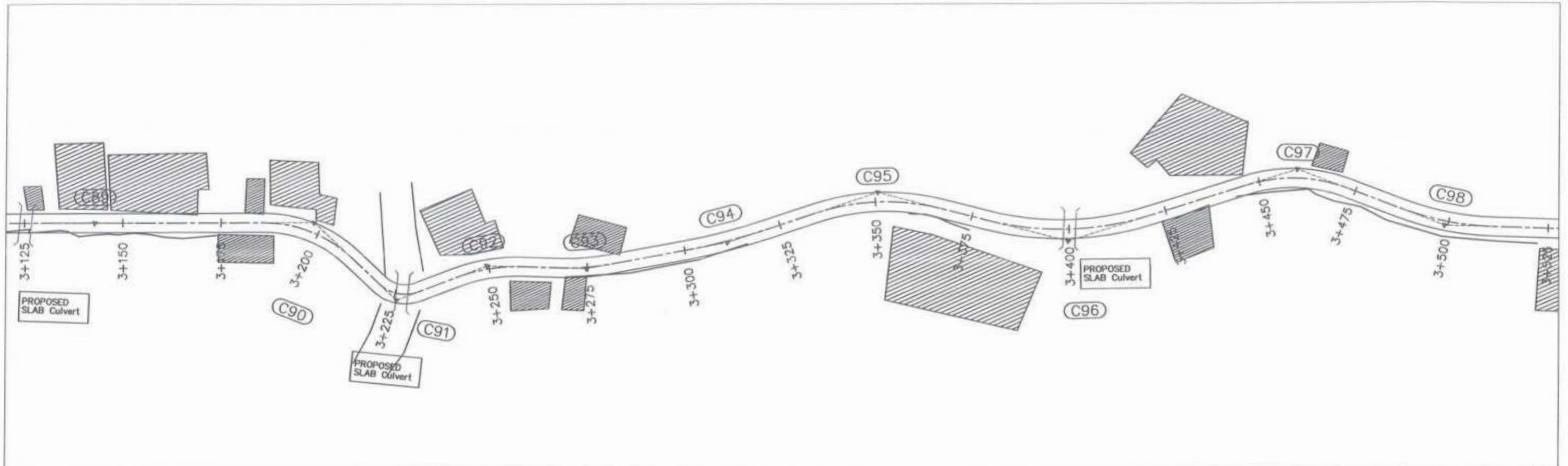
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV: 0	DATE: AUG, 2024	DESCRIPTION: TENDER DRAWINGS	NAMES: G. DESIGNED: AAMR KHAN	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE: H:1:1000 V:1:1000	SHEET CONTENT: PLAN & PROFILE 2+450.00 - 2+800.00 DATE: AUG, 2024 DWG NO. CEC/KP-RRDP/HWN-CHT-7/
		a			DRAWN: IMRAN TARGO			
		b			CHECKED: S. DURRANI			
		c			APPROVED: ADEEL YOUNIS			



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

Minconsult International Pvt. Ltd.
Engineering Consultants

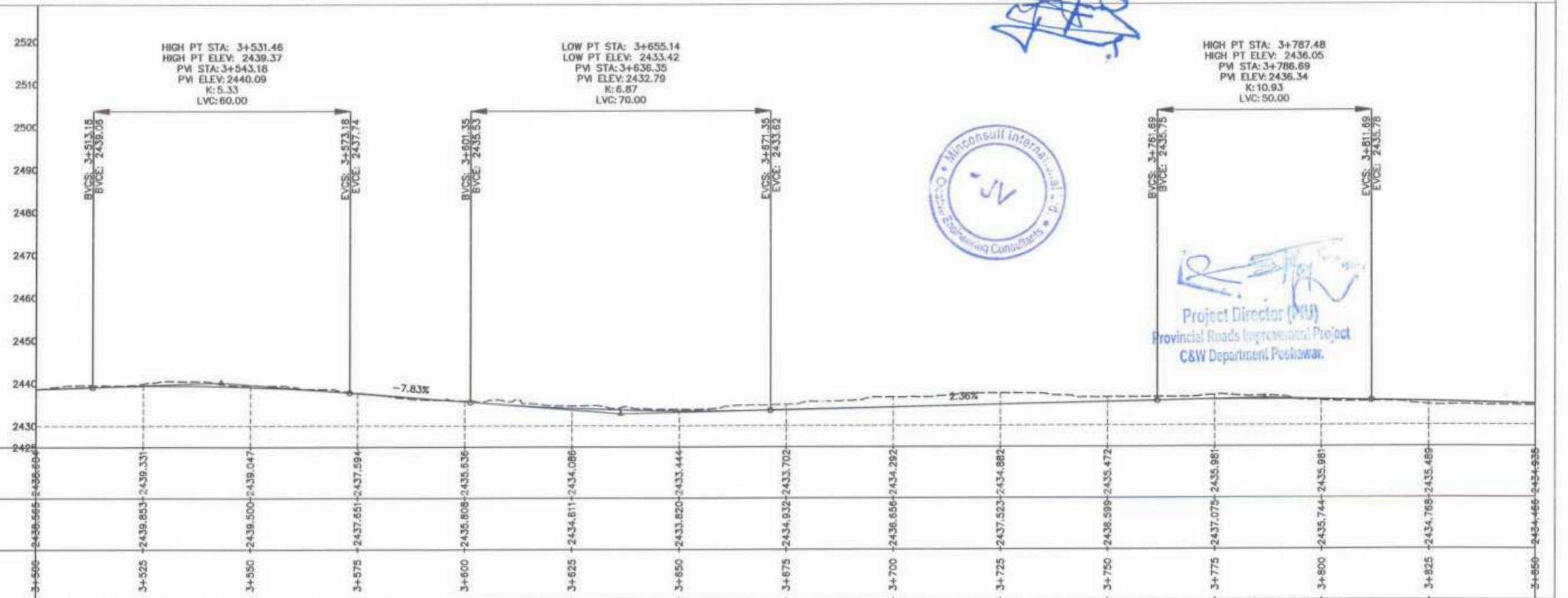
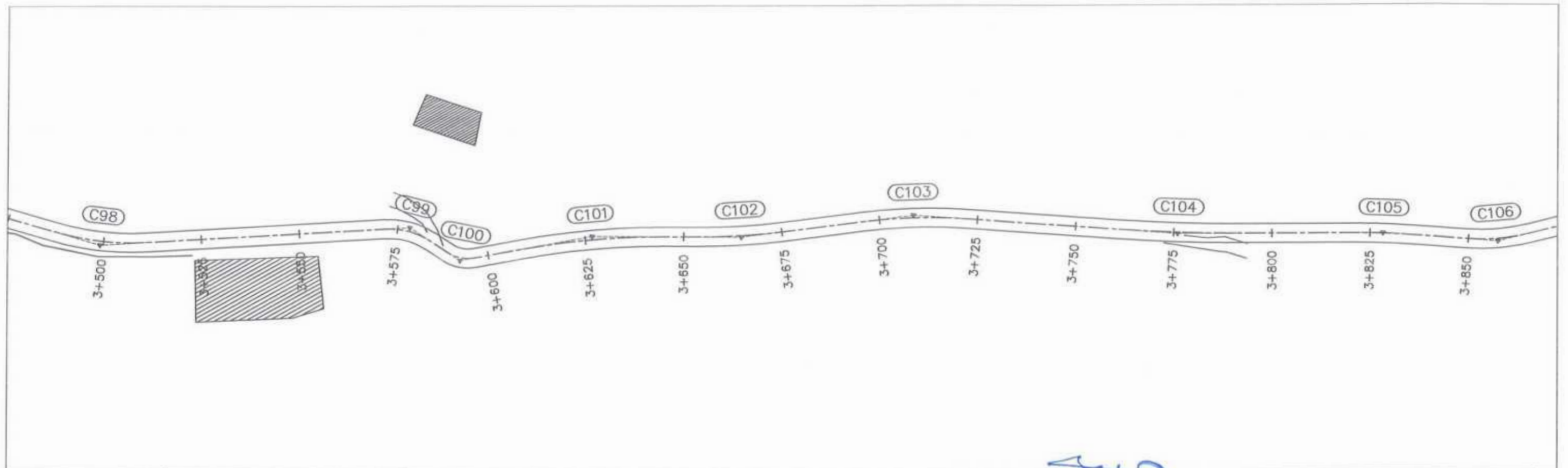
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:				
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	H:1:1000 V:1:1000 DATE: AUG.2024	PLAN & PROFILE 2+800.00 - 3+150.00 DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/1
		a			DRAWN	IMRAN TARIQ							
		b			CHECKED	S.DURRANI							
c			APPROVED	AQEEL YOUNIS									



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

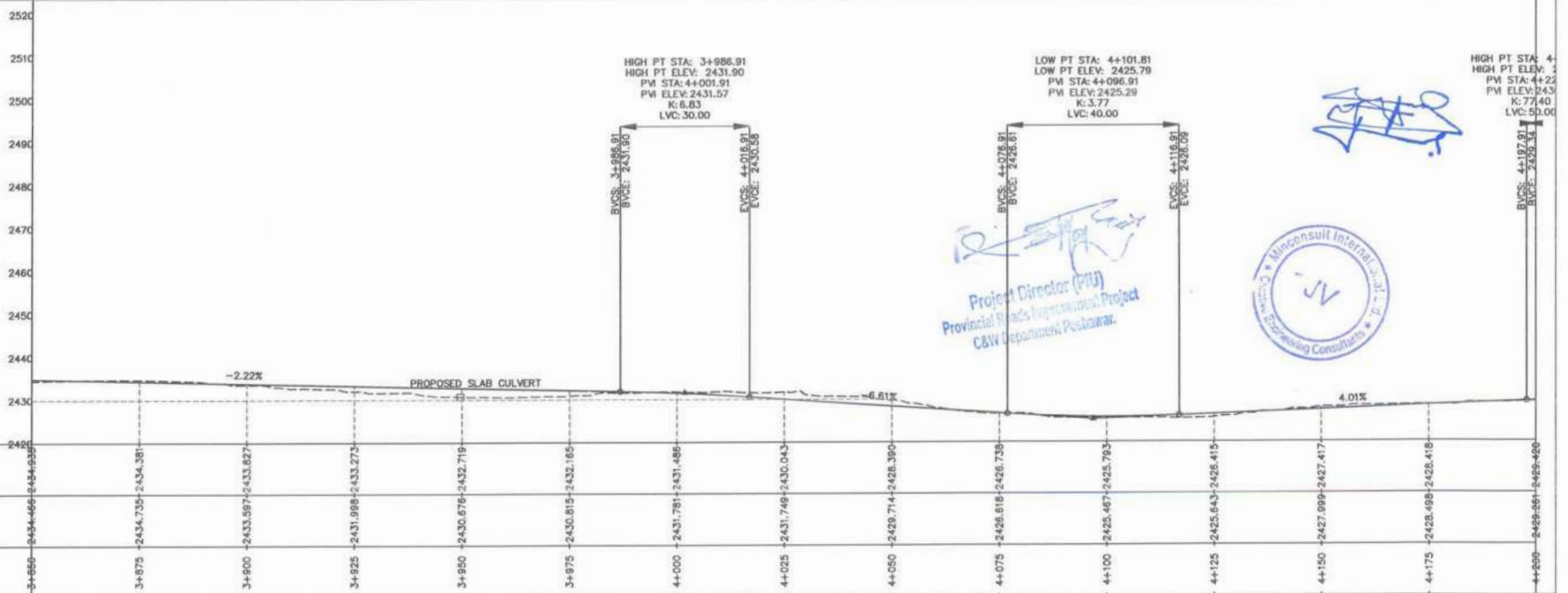
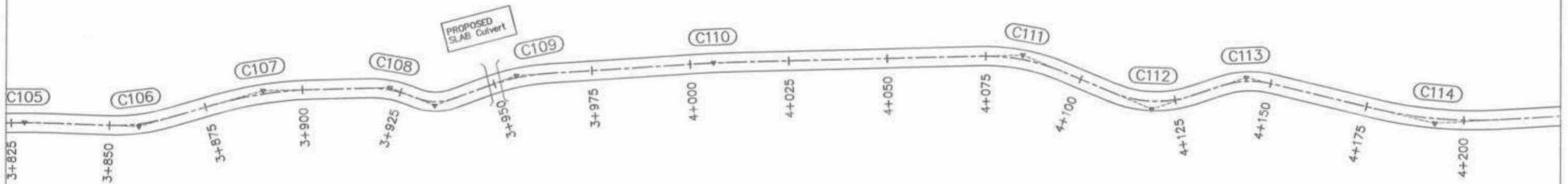


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES		PROJECT:	SCALE:	SHEET CONTENT:				
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		a			DRAWN	IMRAN TARIQ							
		b			CHECKED	S.DURRANI							
c			APPROVED	AOEEL YOUNIS									



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

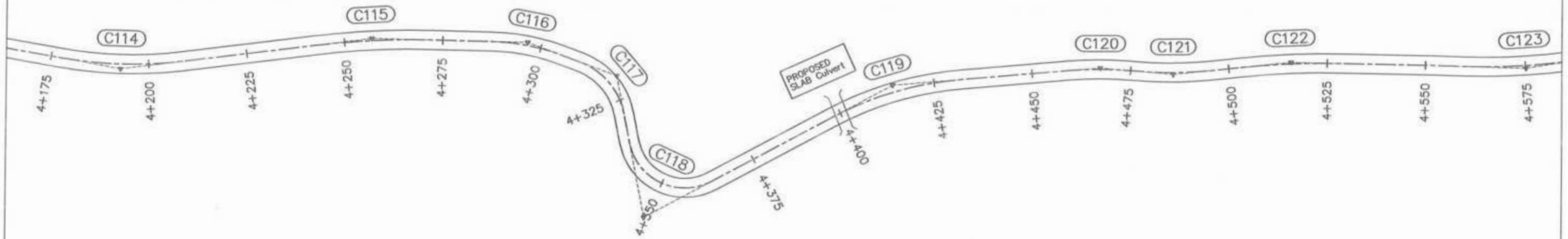
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		b			CHECKED	S.DURRANI			DATE:	
			c		APPROVED	AQEEL YOUNIS	AUG.2024	DWG NO.CEC/KP-RRDP/HW/N-CHT-7/	11	



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

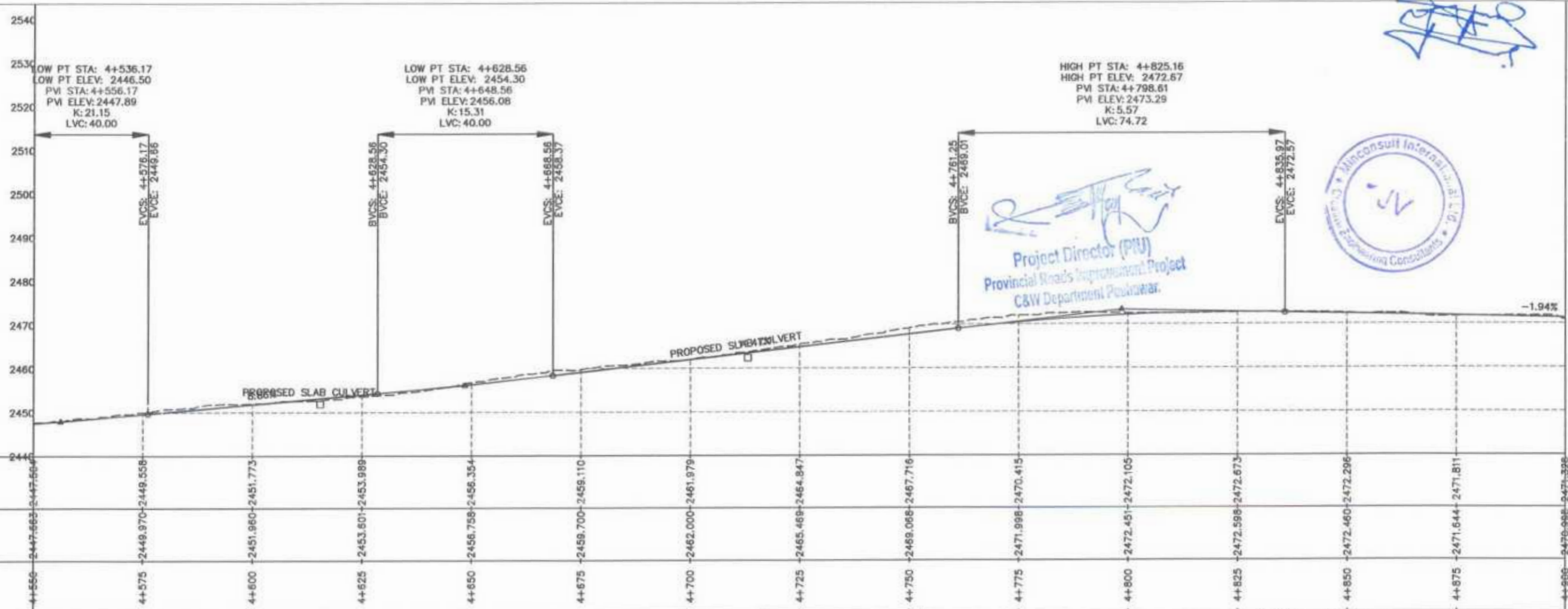
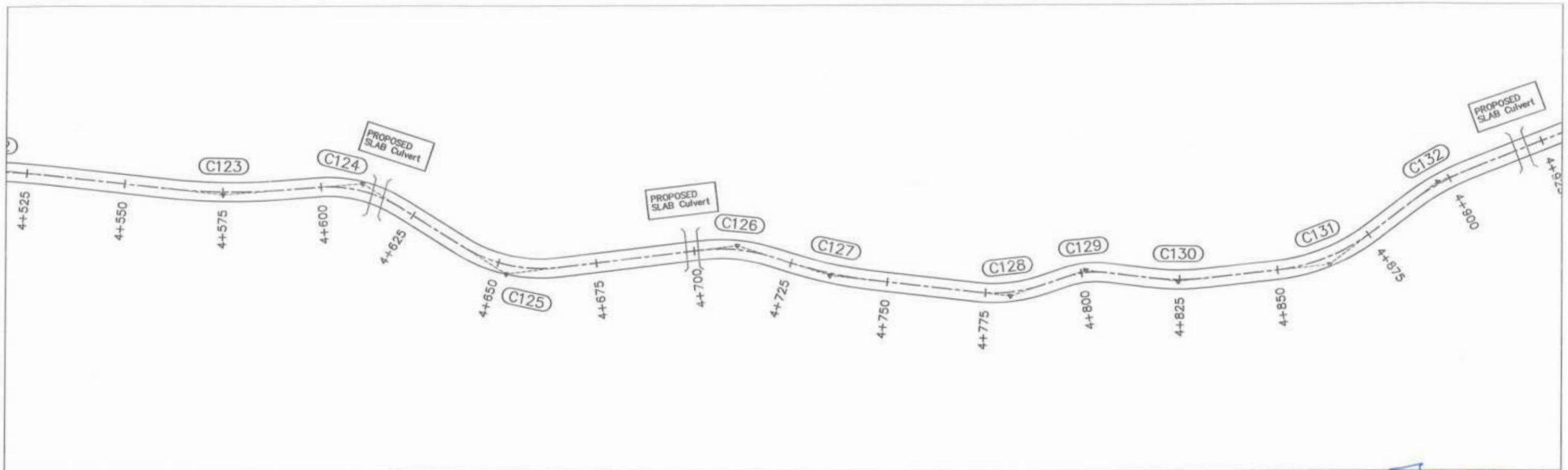


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG.2024	SHEET CONTENT: PLAN & PROFILE 3+850.00 - 4+200.00 DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/	
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED				AAMR KHAN
		a			DRAWN				IMRAN TARIQ
		b			CHECKED				S.DURRANI
			c		APPROVED	AQEEL YOUNIS			



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

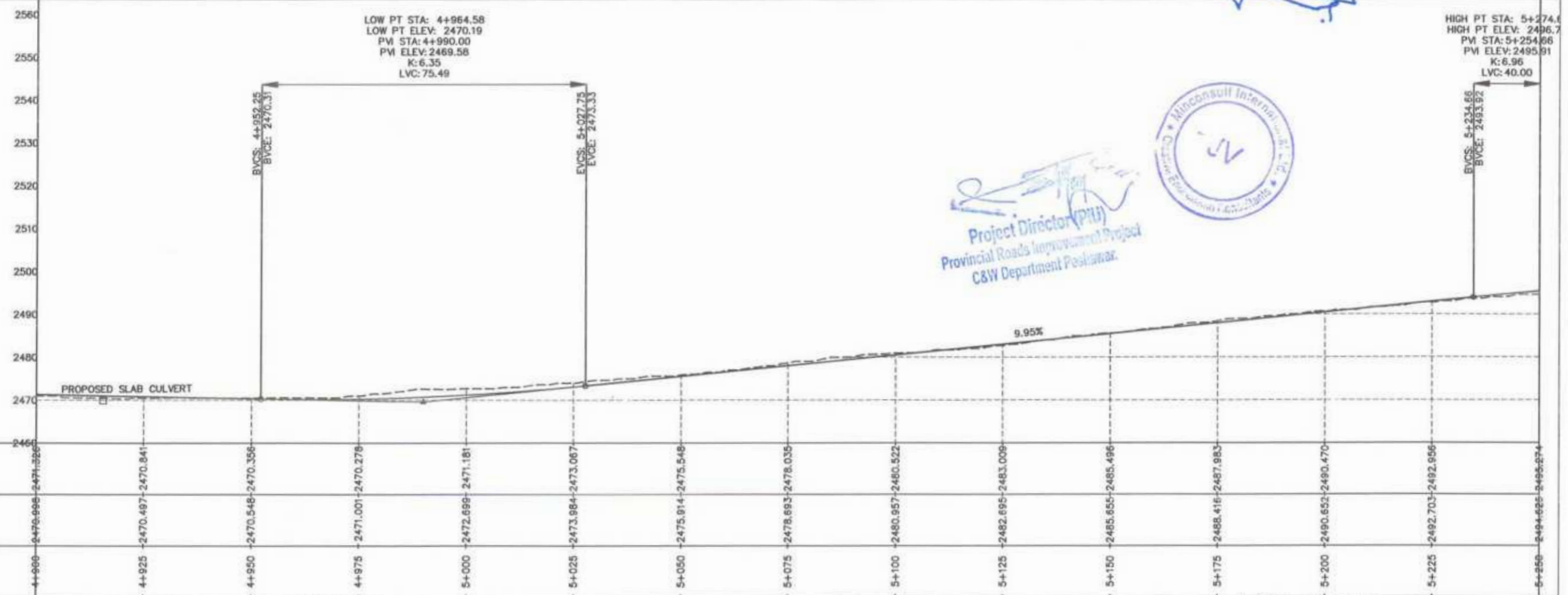
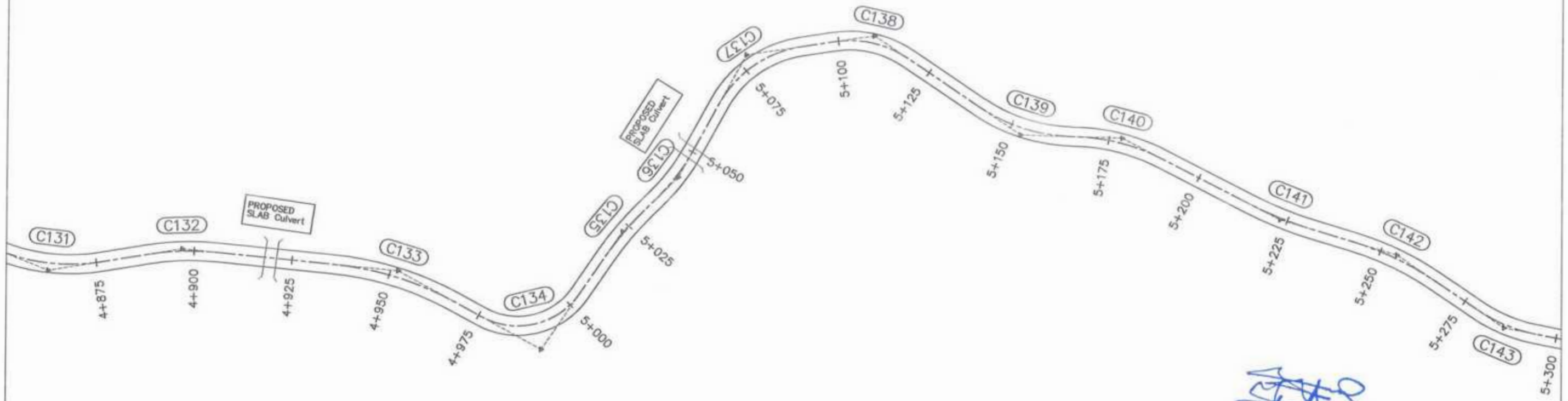
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG.2024	SHEET CONTENT: PLAN & PROFILE 4+200.00 - 4+550.00 DWC NO.CEC/KP-RRDP/PIU/N-CHT-7/
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN			
		a			DRAWN	IMRAN TARIQ			
		b			CHECKED	S.DURRANI			
			c		APPROVED	AQEEL YOUNIS			



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



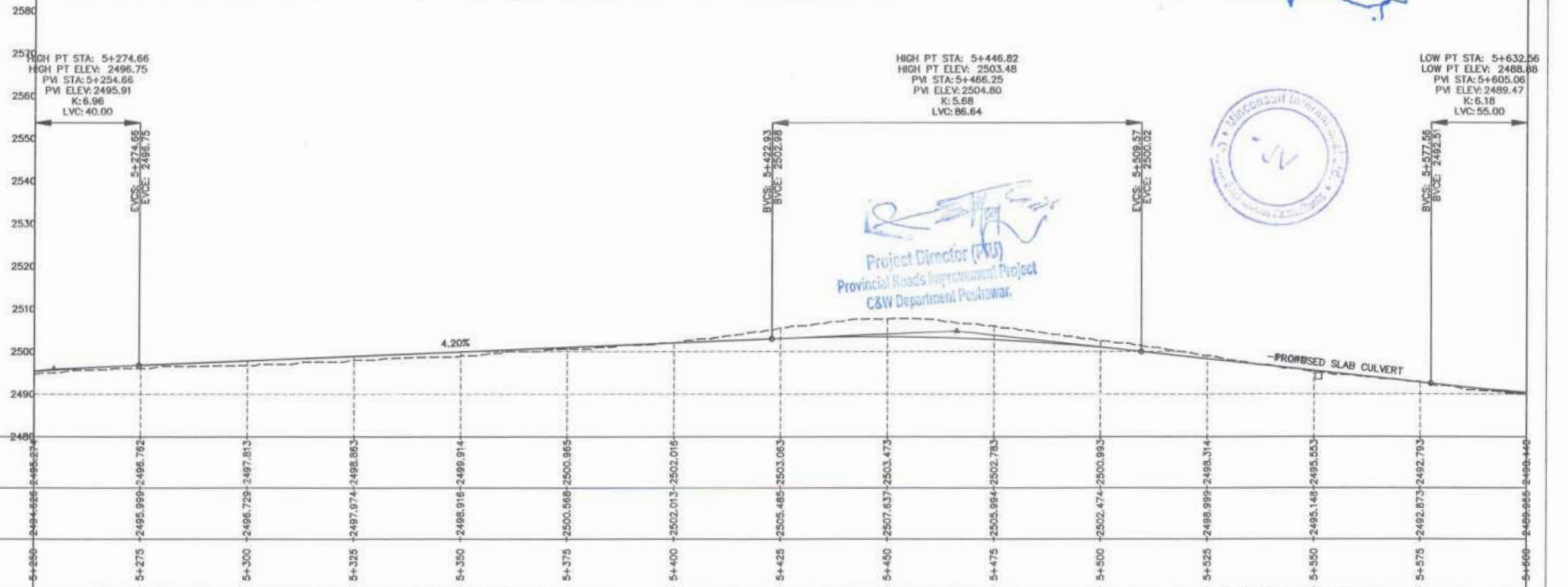
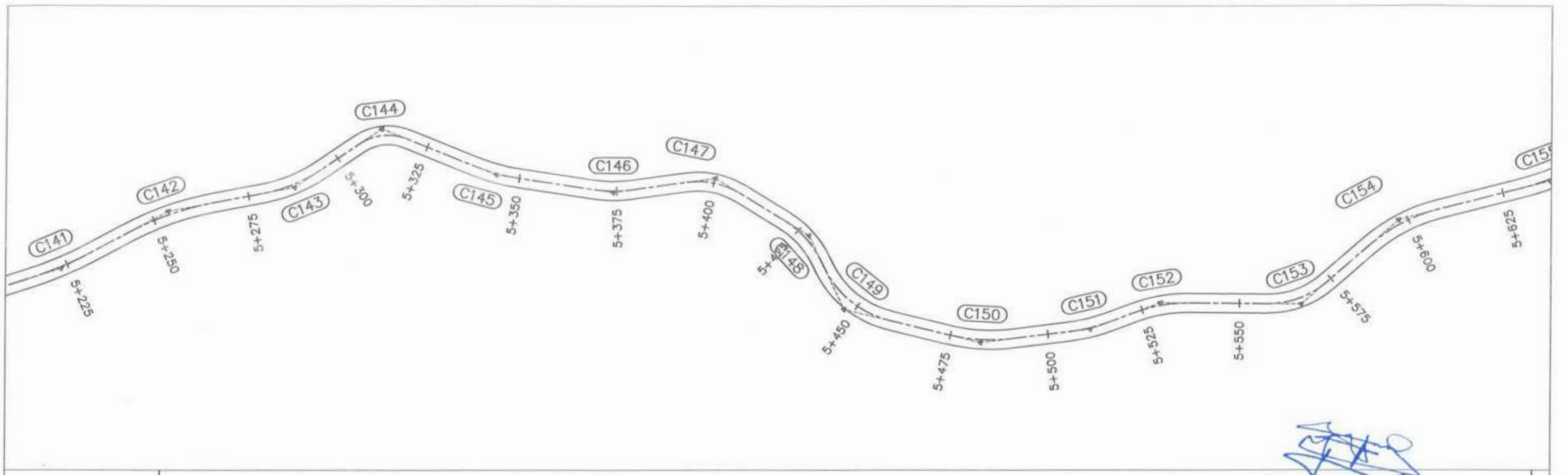
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: PLAN & PROFILE 4+550.00 - 4+900.00 DWG NO. CEC/KP-RRDP/RWN-CHT-7/14
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN		H:1:1000	
		a			DRAWN: IMRAN TARIQ		V:1:1000	
		b			CHECKED: S.DURRANI		DATE:	
					APPROVED: AQEEL YOUNIS		AUG.2024	



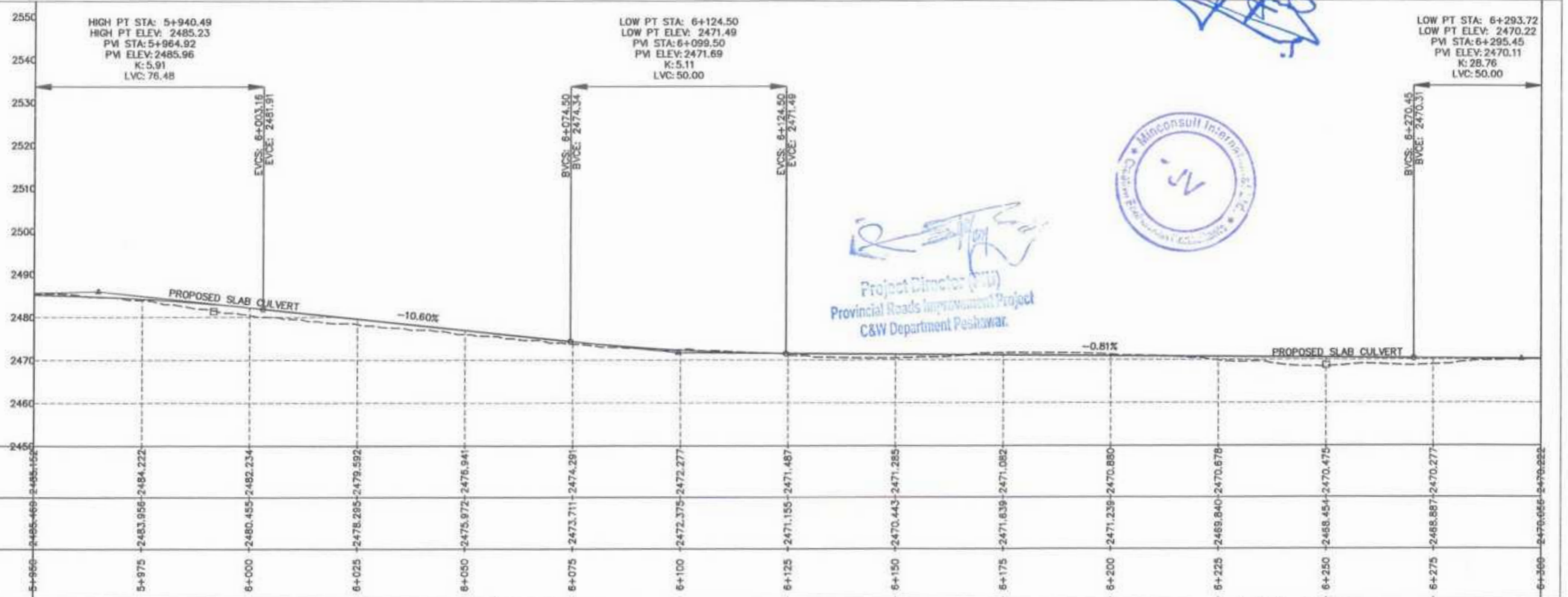
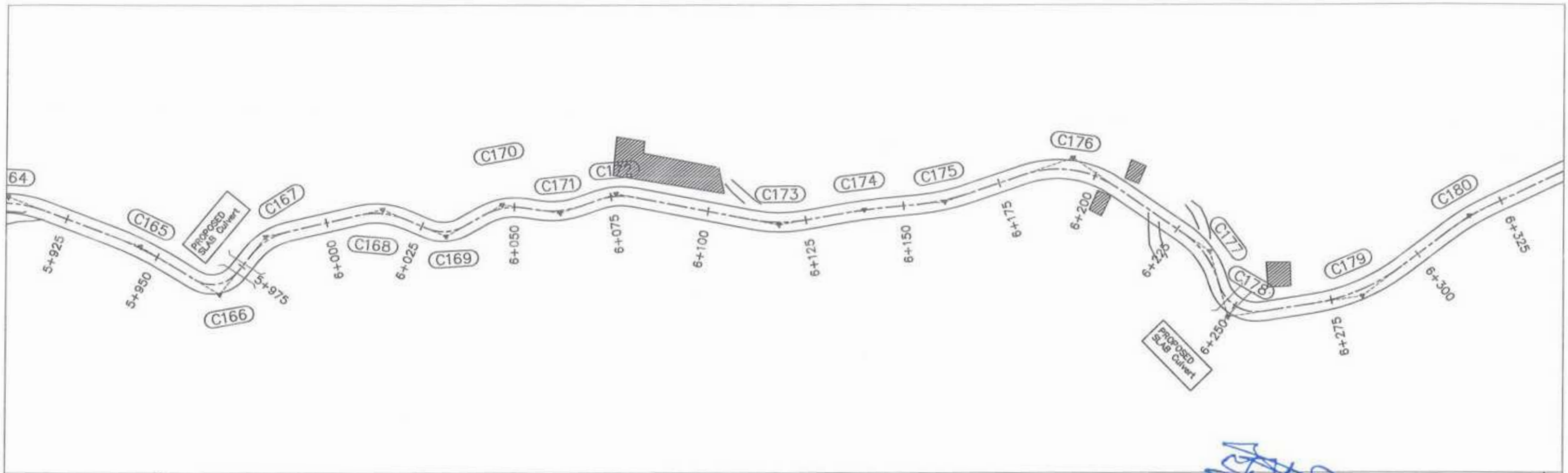
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

Mincosult International
 Engineers & Architects
 P. O. Box 1000, Islamabad

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 DATE: AUG,2024	SHEET CONTENT: PLAN & PROFILE 4+900.00 - 5+250.00 DWG NO. CEC/KP-RRDP/HWN/CHT-7/
		0	AUG,2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN			
		a			DRAWN	IMRAN TARGO			
		b			CHECKED	S.DURRANI			
			c			APPROVED	ADEEL YOUNIS		15



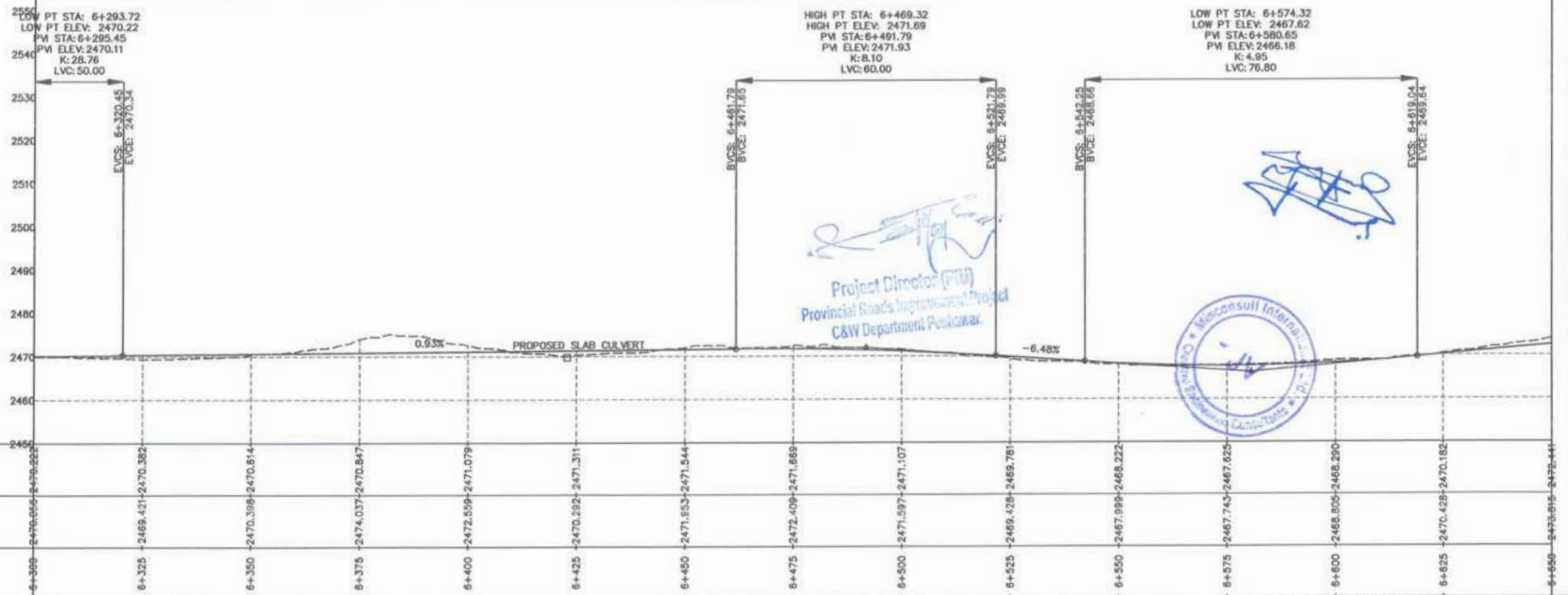
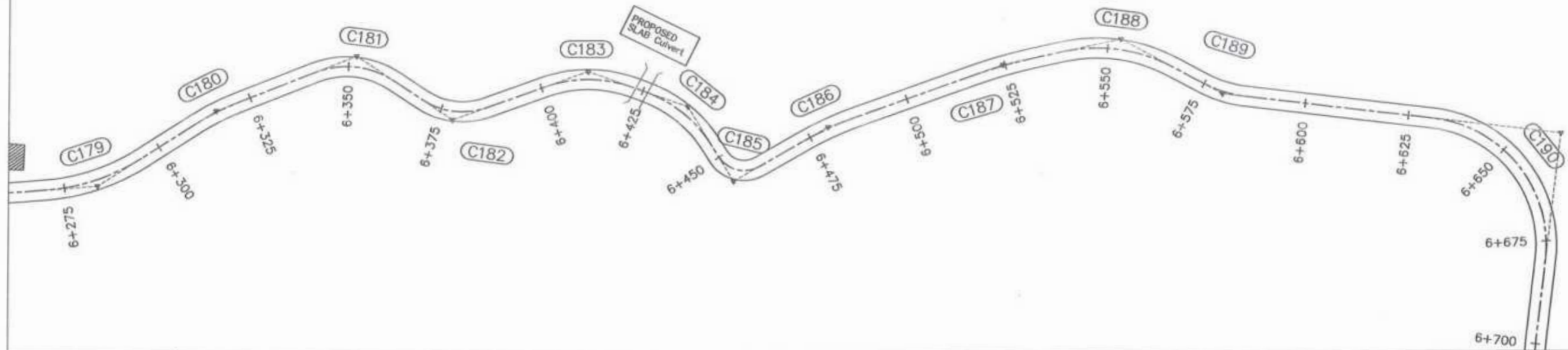
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:	
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	H:1:1000	PLAN & PROFILE 5+250.00 - 5+600.00
		a			DRAWN	IMRAN TARIQ			V:1:1000	
		b			CHECKED	S.DURRANI			DATE:	
c			APPROVED	AQEEL YOUNIS	AUG.2024					
									DWG NO CEC/KP-RRDP/PIU/N-CHT-7/	



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



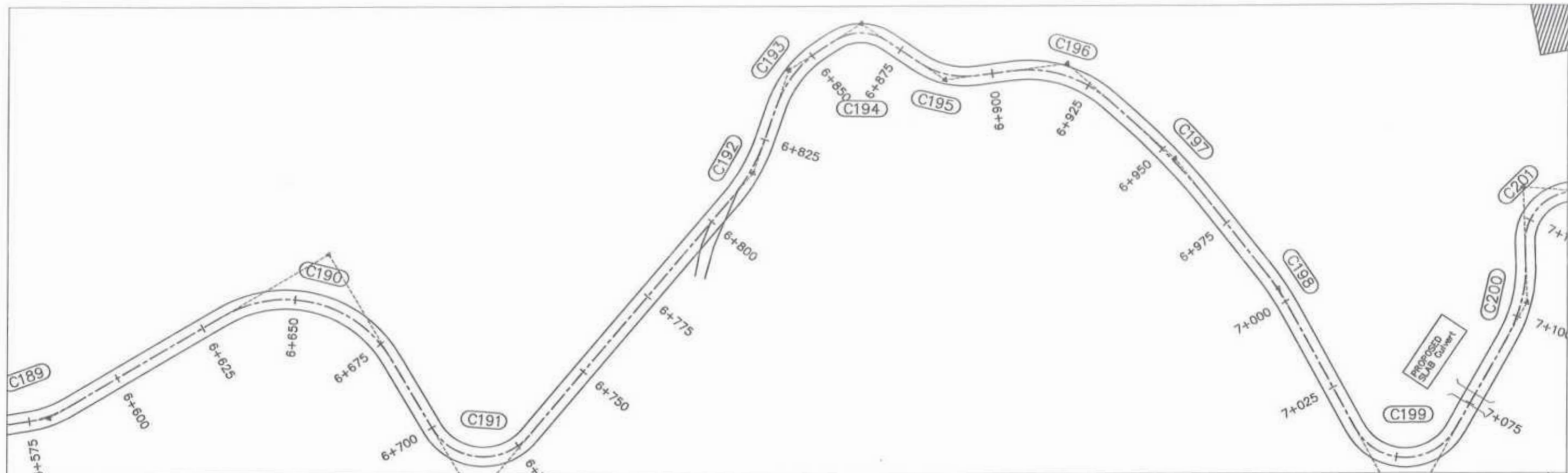
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG.2024	SHEET CONTENT: PLAN & PROFILE 5+950.00 - 6+300.00 DWG NO.CEC/KP-RRDP/HW/N-CHT-7/	
		0	AUG.2024	TENDER DRAWINGS	G. DESIGNED				AAMIR KHAN
		a			DRAWN				IMRAN TARIQ
		b			CHECKED				S.DURRANI
			c		APPROVED	ADEEL YOUNIS		18	



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	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RP-RRDP)	H:1:1000 V:1:1000	PLAN & PROFILE 6+300.00 - 6+650.00 DWG NO.CEC/RP-RRDP/PIU/N-CHT-7/
		a			DRAWN	IMRAN TARIQ			
		b			CHECKED	S.DURRANI			
c			APPROVED	AQEEL YOUNIS					
						SCALE:	DATE: AUG,2024		

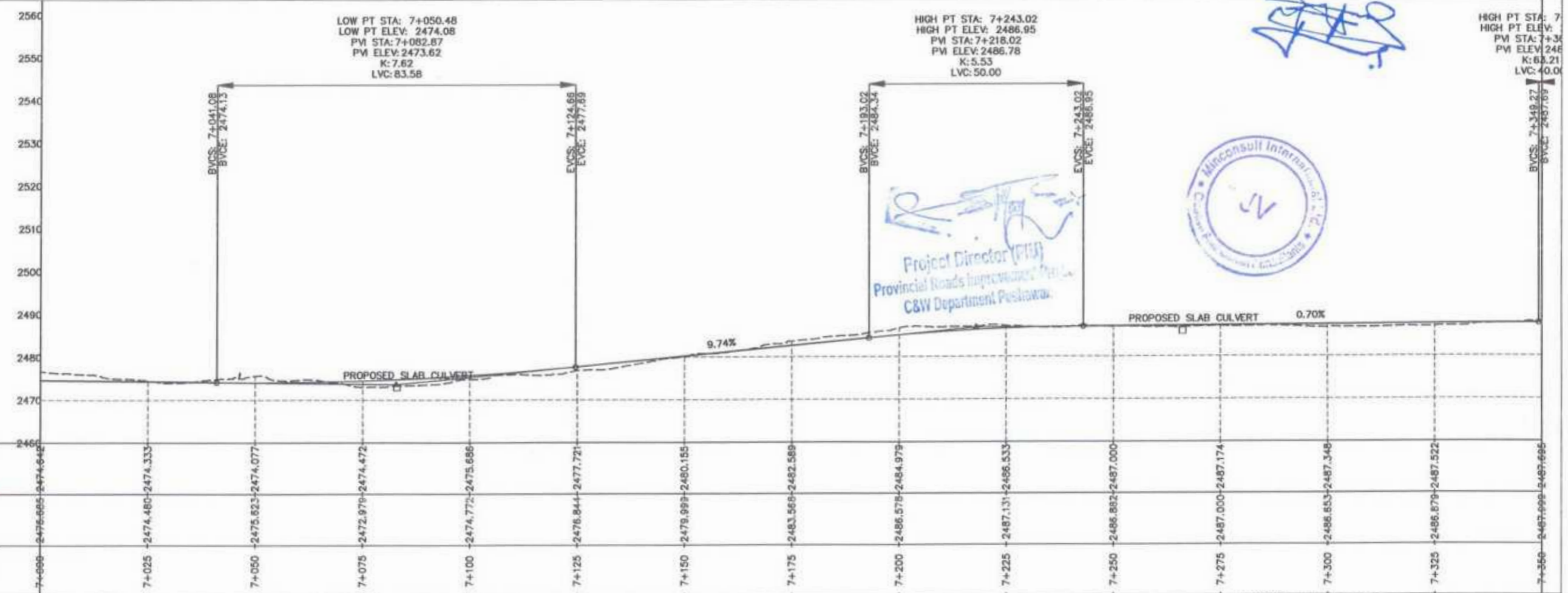
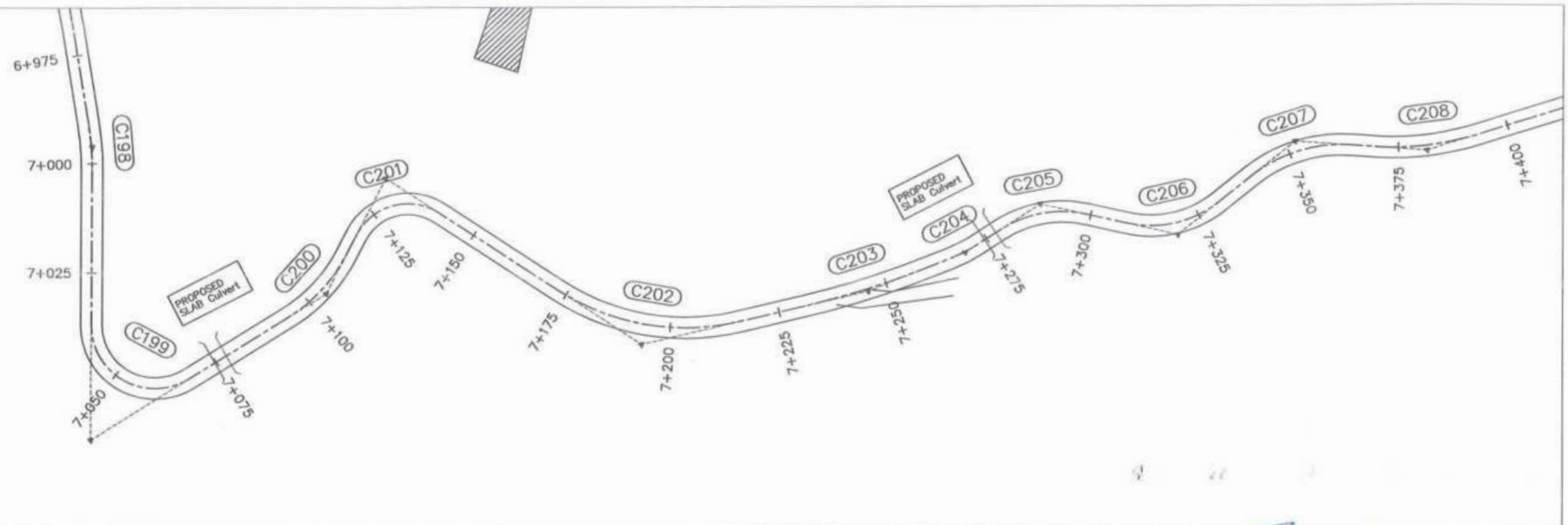


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Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department, Peshawar.

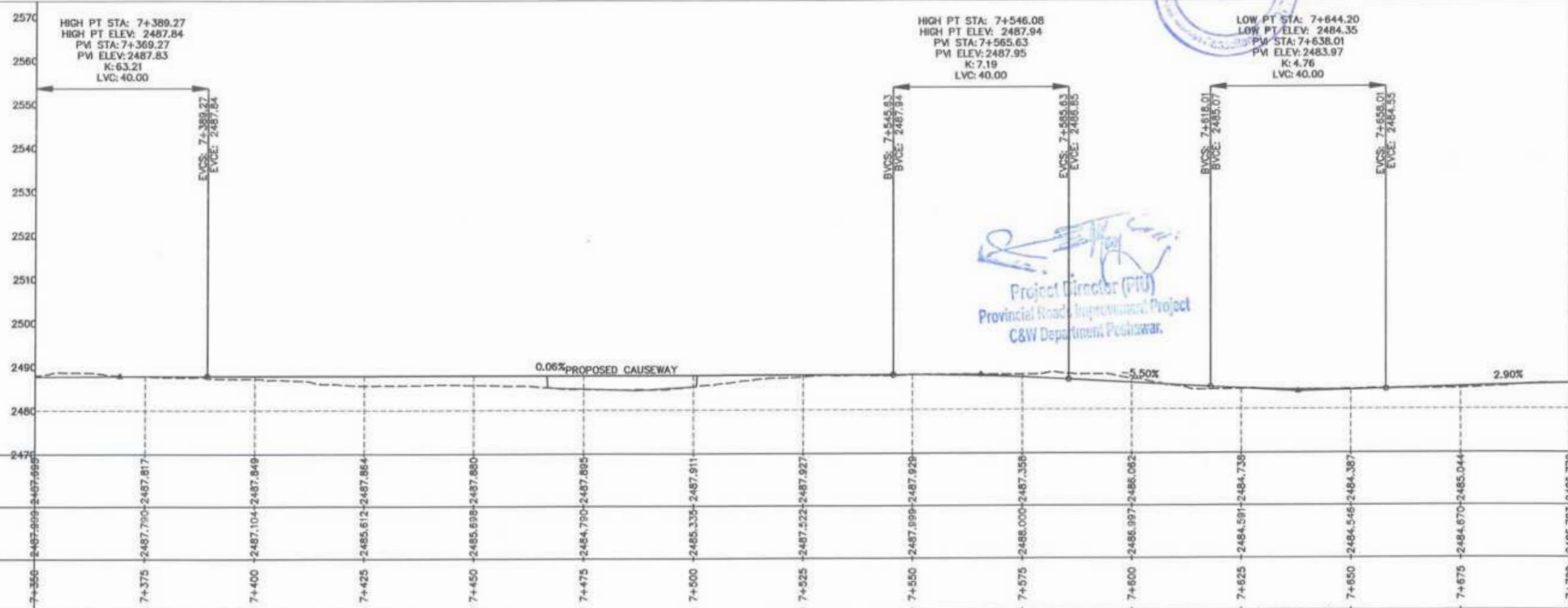
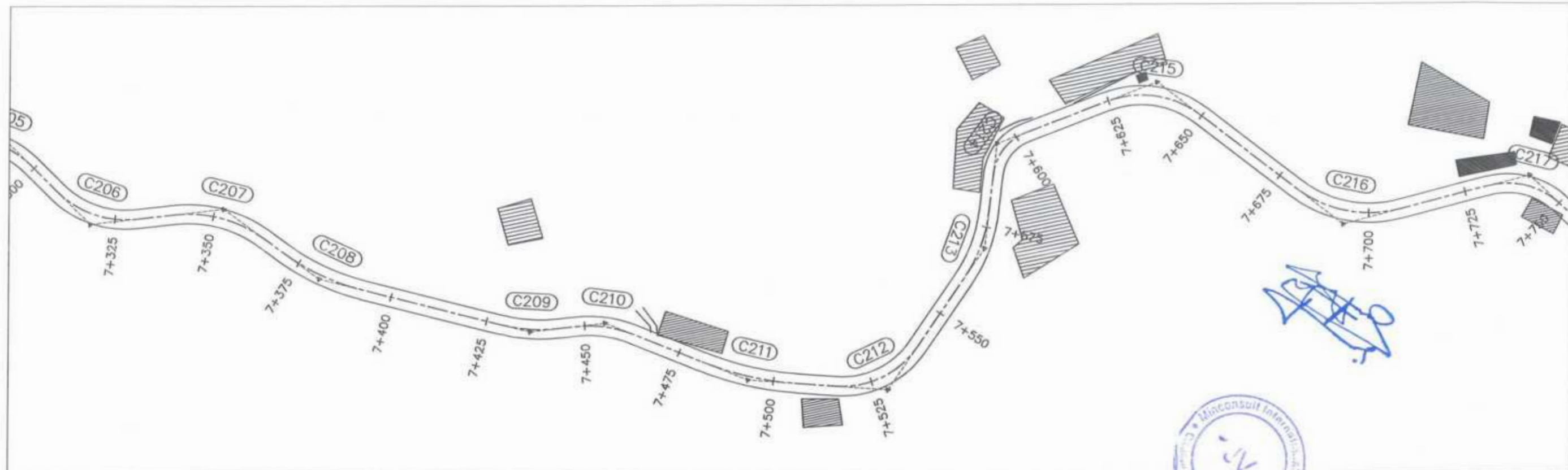
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CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	SCALE	SHEET CONTENT
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG.2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHTRAL FLOOD AFFECTED ROAD	H:1:1000 V:1:1000 DATE: AUG.2024
		a			DRAWN: IMRIAN TARIQ			
		b			CHECKED: S.DURRANI			
		c			APPROVED: AQEEL YOUNIS			
							PLAN & PROFILE 6+650.00 - 7+000.00 DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/	



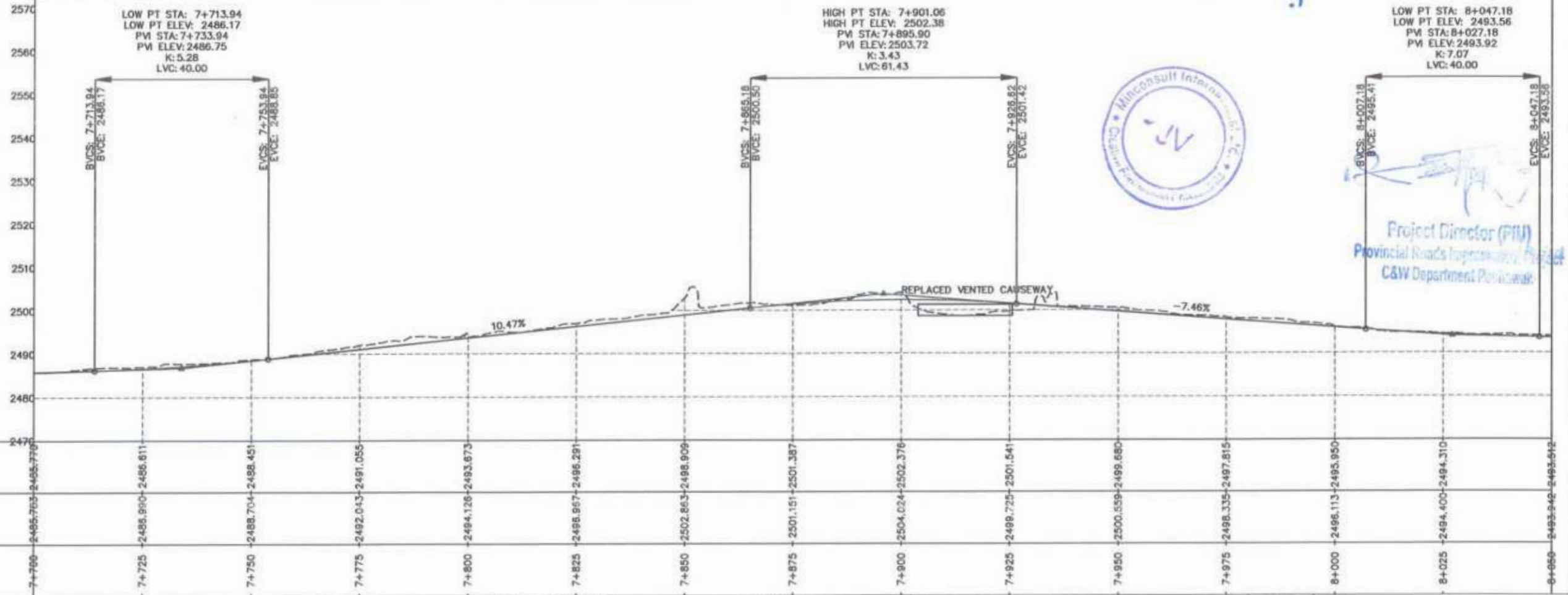
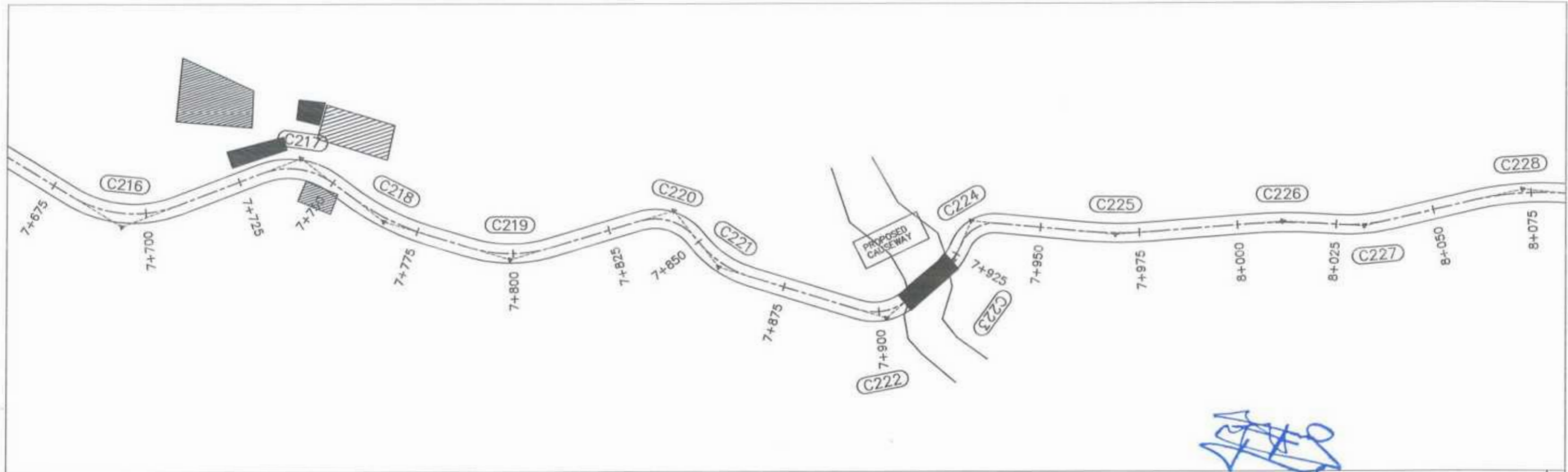
Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar

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: TENDER DRAWINGS	NAMES: G. DESIGNED: AAMIR KHAN DRAWN: IMRAN TARBO CHECKED: S. DURRANI APPROVED: ADEEL YOUSAF	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RP-RRDP)	SCALE: H: 1:1000 V: 1:1000 DATE: AUG. 2024	SHEET CONTENT: PLAN & PROFILE 7+000.00 - 7+350.00 DWG NO. CEC/RP-RRDP/HWN-CHT-7/	
		CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC)		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RP-RRDP)		SCALE: H: 1:1000 V: 1:1000	SHEET CONTENT: PLAN & PROFILE 7+000.00 - 7+350.00 DWG NO. CEC/RP-RRDP/HWN-CHT-7/
		CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC)		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RP-RRDP)		SCALE: H: 1:1000 V: 1:1000	
		CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC)		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RP-RRDP)		SCALE: H: 1:1000 V: 1:1000	
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC)		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RP-RRDP)		SHEET CONTENT: PLAN & PROFILE 7+000.00 - 7+350.00 DWG NO. CEC/RP-RRDP/HWN-CHT-7/			



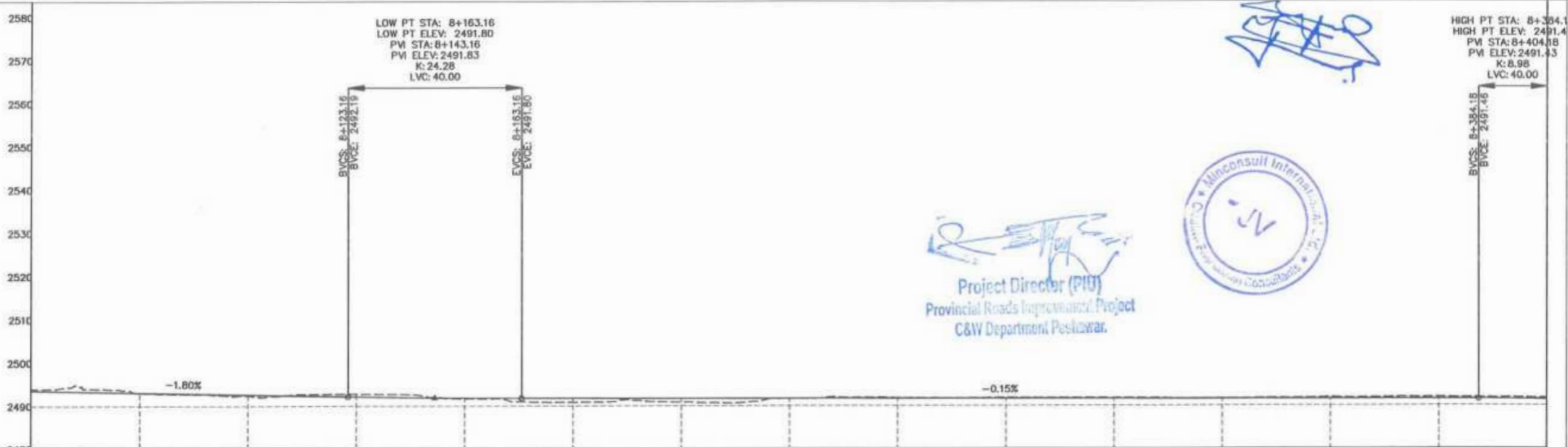
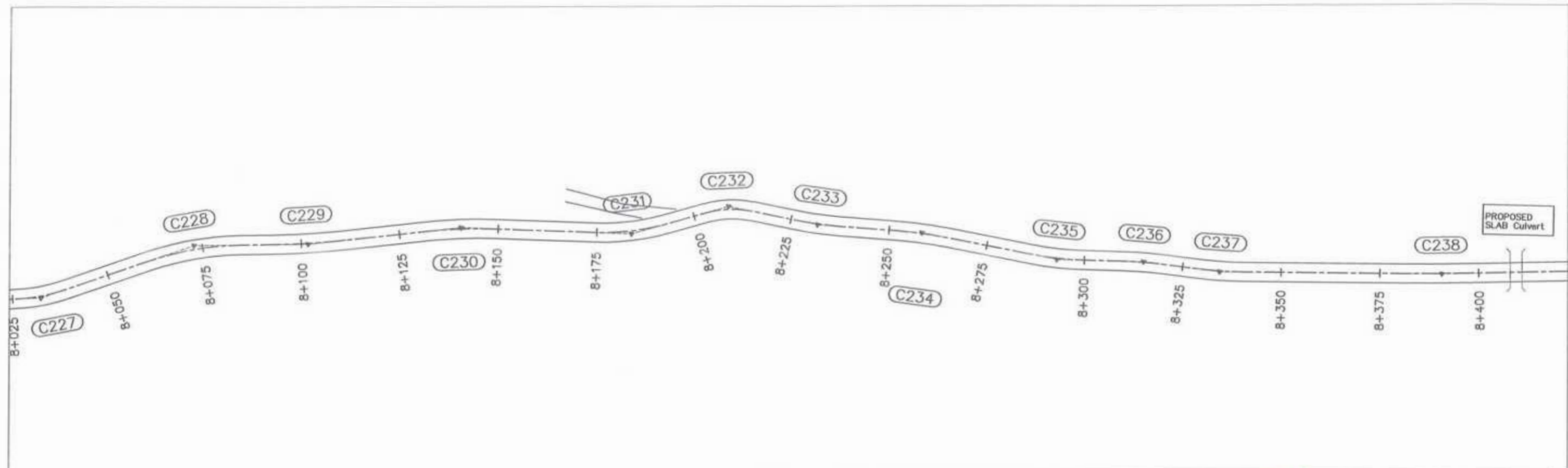
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar.

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 DATE DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		0 AUG,2024 TENDER DRAWINGS	G.DESIGNED AAMIR KHAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHTRAL FLOOD AFFECTED ROAD	H:1:1000 V:1:1000 DATE: AUG,2024 DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/ 22
		a	DRAWN IMRAN TARO			
		b	CHECKED S.DURRANI			
		c	APPROVED AQEEL 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: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) N-CHT-7 RECH ROAD CENTRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: PLAN & PROFILE 7+700.00 - 8+050.00 DATE: AUG.2024 DWG NO CEC/KP-RRDP/MWN-CHT-7/
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN		H:1:1000	
		a			DRAWN: IMRAN TARO		V:1:1000	
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			c		APPROVED: AQEEL YOUNIS			23

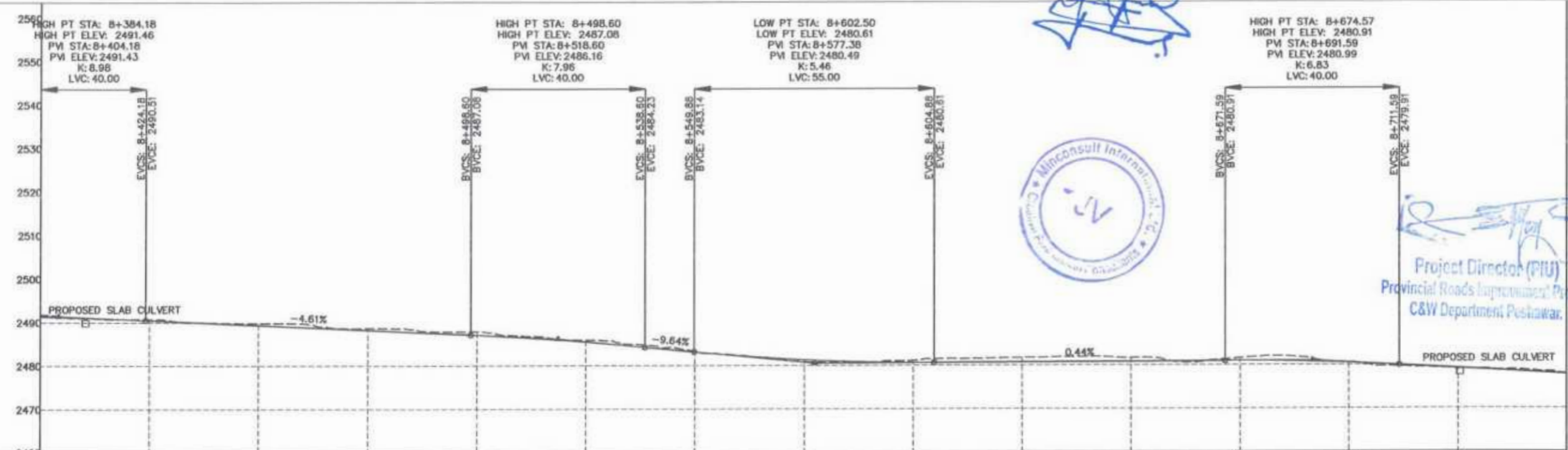
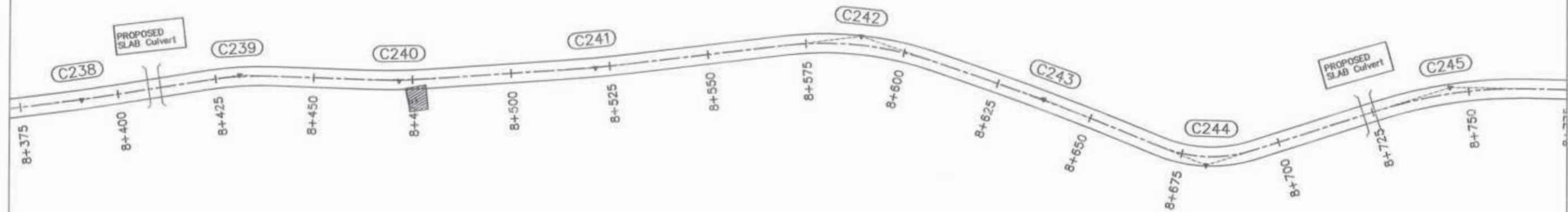


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N.S.L	2492.940	2492.997	2493.061	2492.815	2492.162	2491.859	2491.785	2490.890	2491.746	2491.664	2491.708	2491.669	2491.804	2491.631	2491.759	2491.592	2491.554	2491.941	2491.515	2491.477	2491.699
STATION	8+050	8+075	8+100	8+125	8+150	8+175	8+200	8+225	8+250	8+275	8+300	8+325	8+350	8+375	8+400						


 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 (RP-RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG,2024	SHEET CONTENT: PLAN & PROFILE 8+050.00 - 8+400.00 DWG NO.CECKRP-RRDP/PIU/N-CHT-7/	
		0	AUG,2024	TENDER DRAWINGS	G.DESIGNED				AAMIR KHAN
		a			DRAWN				IMRAN TARIQ
		b			CHECKED				S.DURRANI
			c		APPROVED	AOEEL YOUNIS			



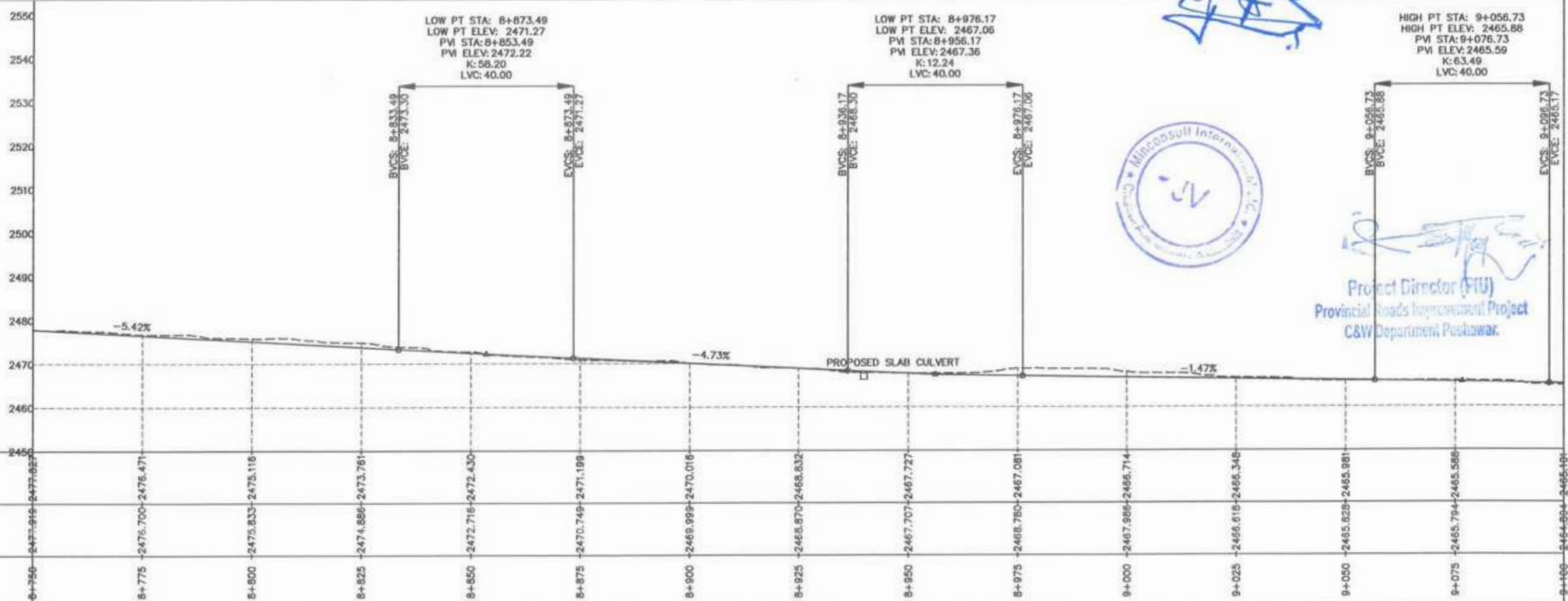
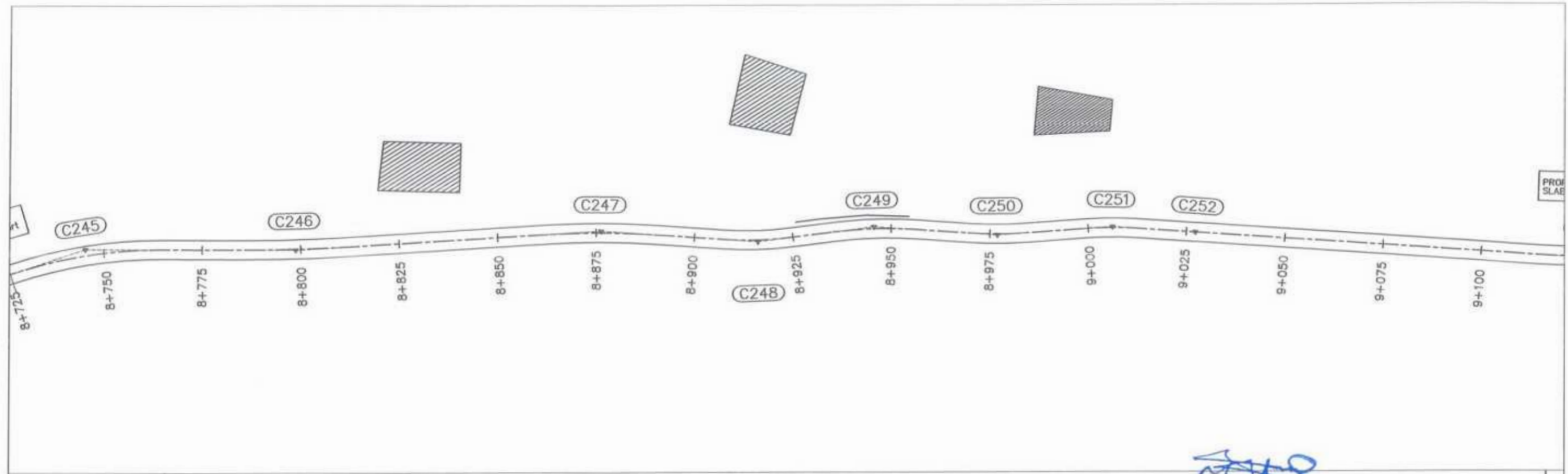
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N.S.L	2491.705	2490.704	2489.819	2488.627	2487.609	2485.681	2483.204	2480.919	2481.096	2481.719	2481.655	2481.542	2480.616	2479.039	2477.919
STATION	8+400	8+425	8+450	8+475	8+500	8+525	8+550	8+575	8+600	8+625	8+650	8+675	8+700	8+725	8+750

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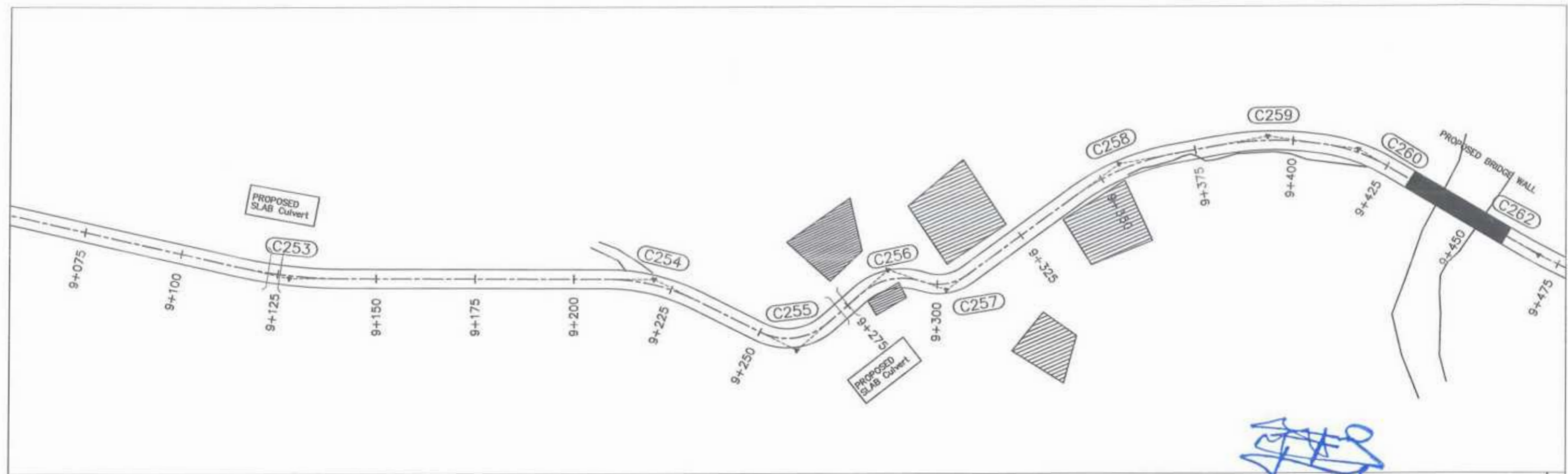
Handwritten signature
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

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 8+400.00 - 8+750.00	
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED				AAMIR KHAN
		a			DRAWN				IMRAN TARIO
		b			CHECKED				S.DURRANI
			c		APPROVED	ADEEL YOUSIF	DATE:	AUG.2024	

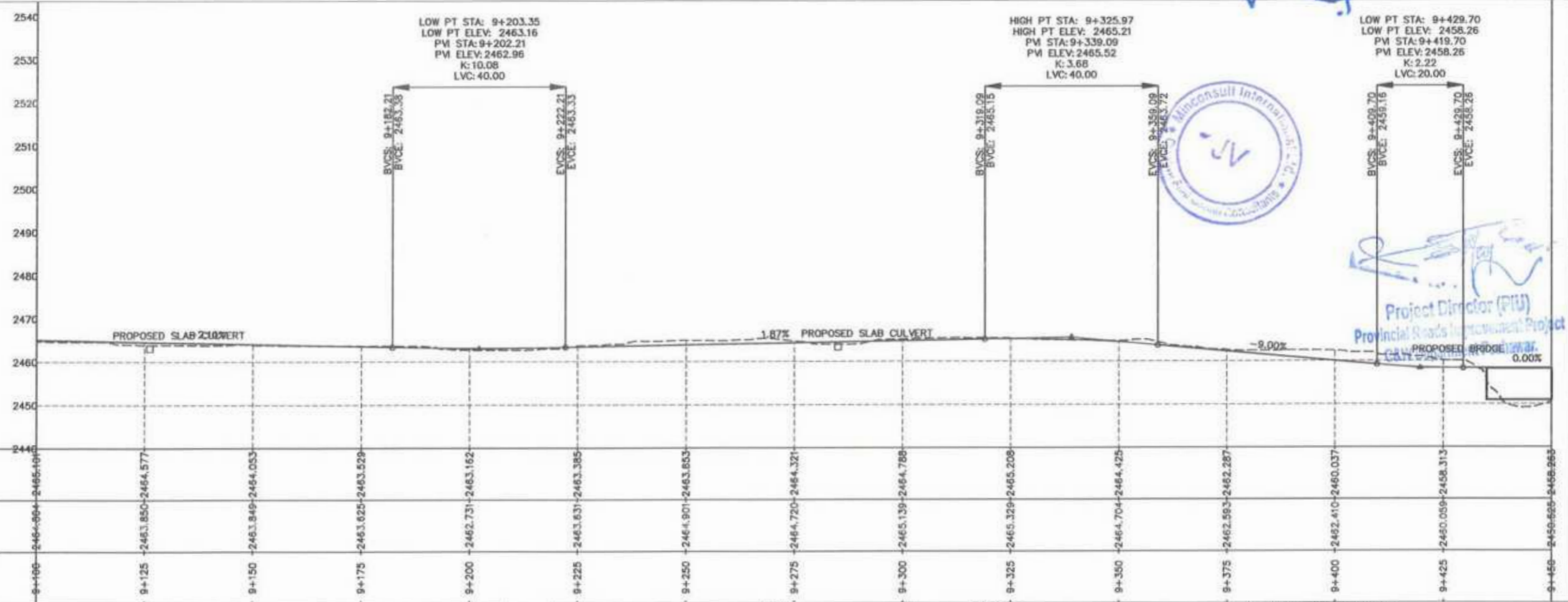


Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

<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: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: H:1:1000 V:1:1000	SHEET CONTENT: PLAN & PROFILE 8+750.00 - 9+100.00
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN			
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		b			CHECKED	S.DURRANI			
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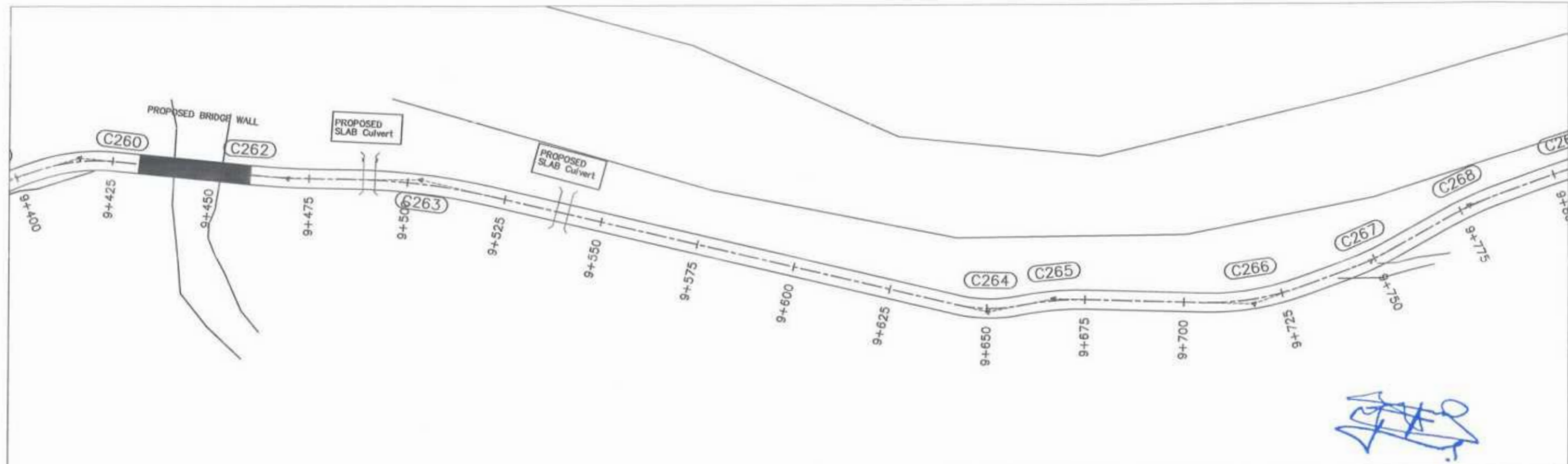


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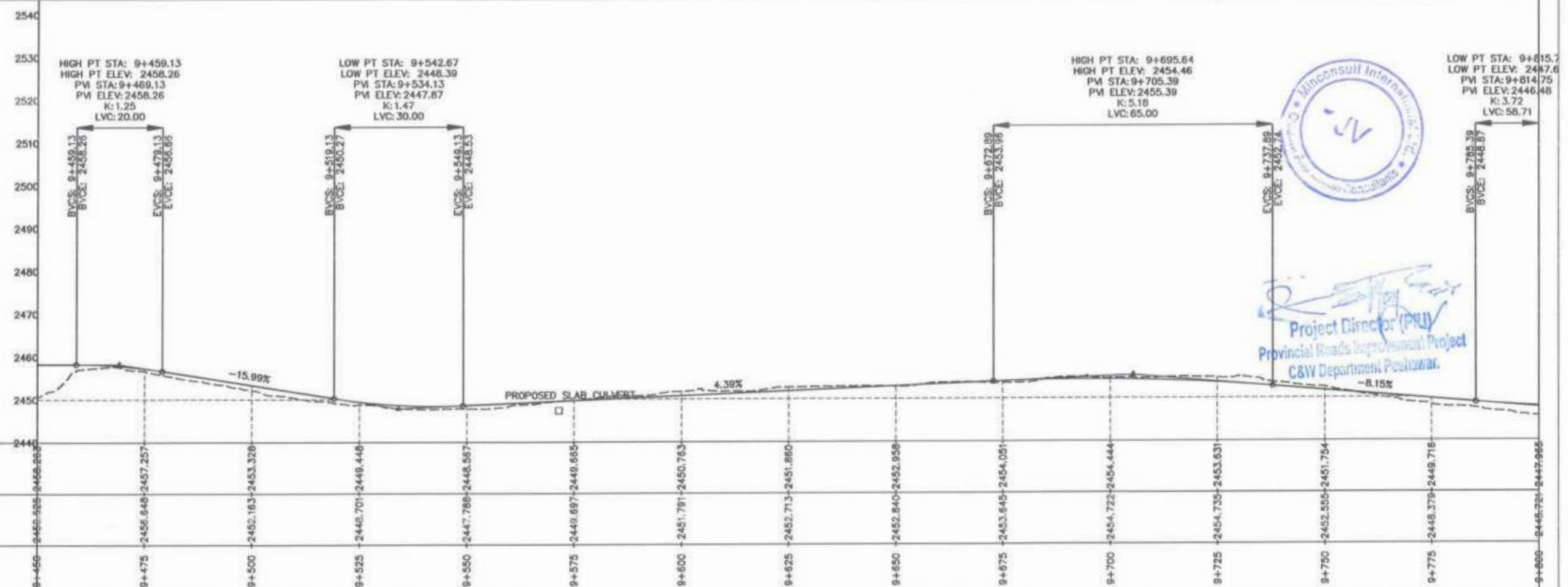


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 Project Director (PIU)
 Provincial Roads Improvement Project
 Chitral

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: TENDER DRAWINGS.	NAMES: G.DESIGNED: AAMIR KHAN	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) N-CHT-7 RECH ROAD CHITRAL, FLOOD AFFECTED ROAD	SCALE: H:1:1000 V:1:1000	SHEET CONTENT: PLAN & PROFILE 9+100.00 - 9+450.00 DWG NO CEC/KP-RRDP/PIU/N-CHT-7/
		0			DRAWN: IMRAN TARIQ		DATE:	
		b			CHECKED: S. DURRANI		AUG.2024	
		c			APPROVED: ADEEL YOUSUF			

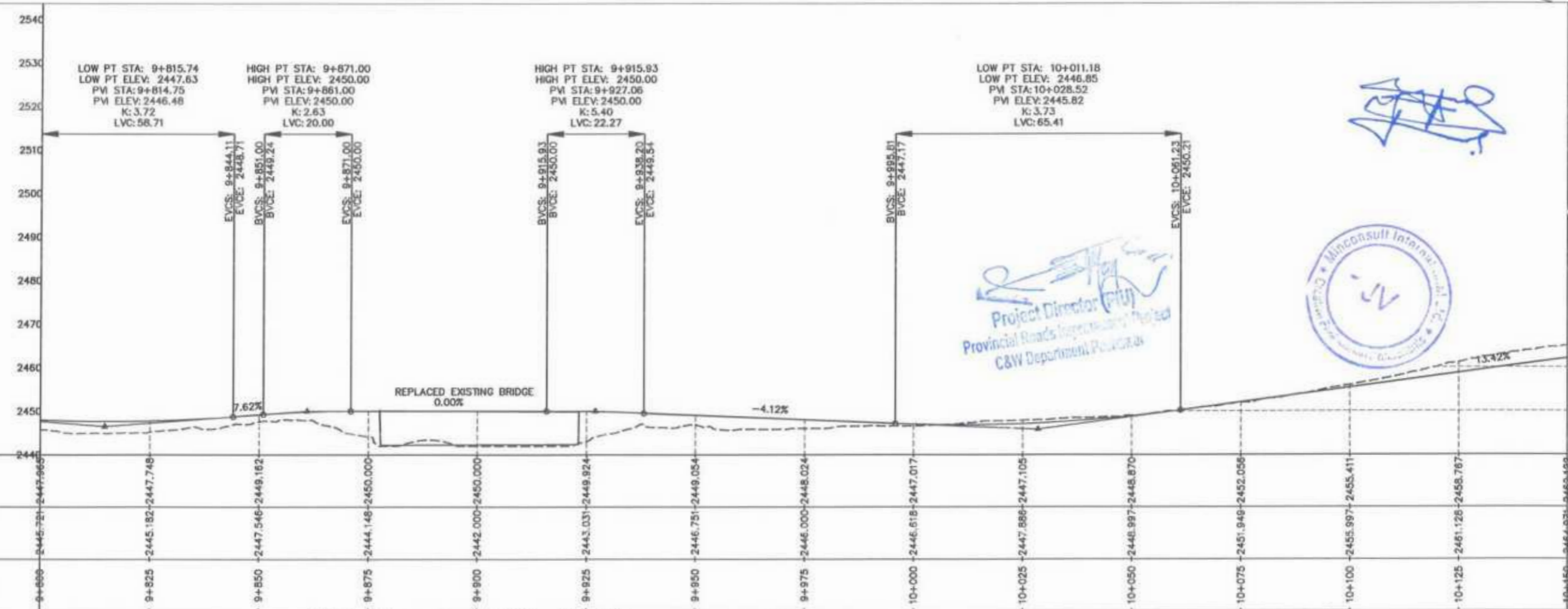
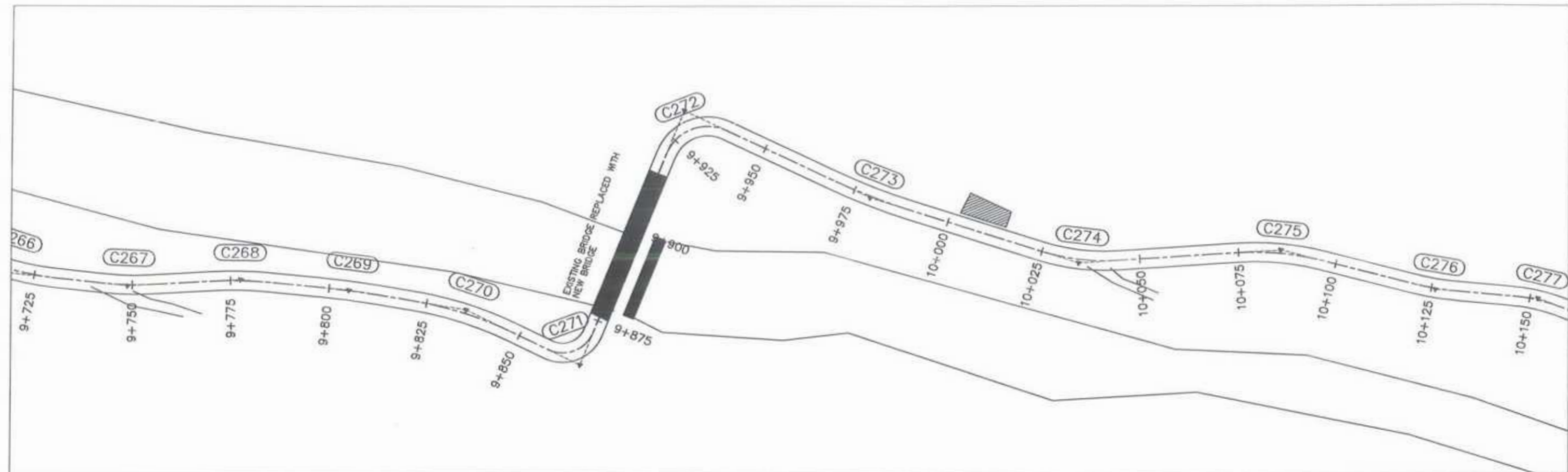


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[Stamp: Minconsult International Pvt. Ltd.]
[Signature]
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV: 0	DATE: AUG. 2024	DESCRIPTION: TENDER DRAWINGS	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE: H:1:1000 V:1:1000	SHEET CONTENT: PLAN & PROFILE 9+450.00 - 9+800.00 DATE: AUG. 2024 DWG NO. CEC/KP-RRDP/PIU/N-CHT-7/
		DESIGNED: G.	AAMIR KHAN	DATE:				
		DRAWN: a.	IMRAN TARIO	CHECKED: b.	S. DURRANI			
		APPROVED: c.	AQEEL YOUNIS					



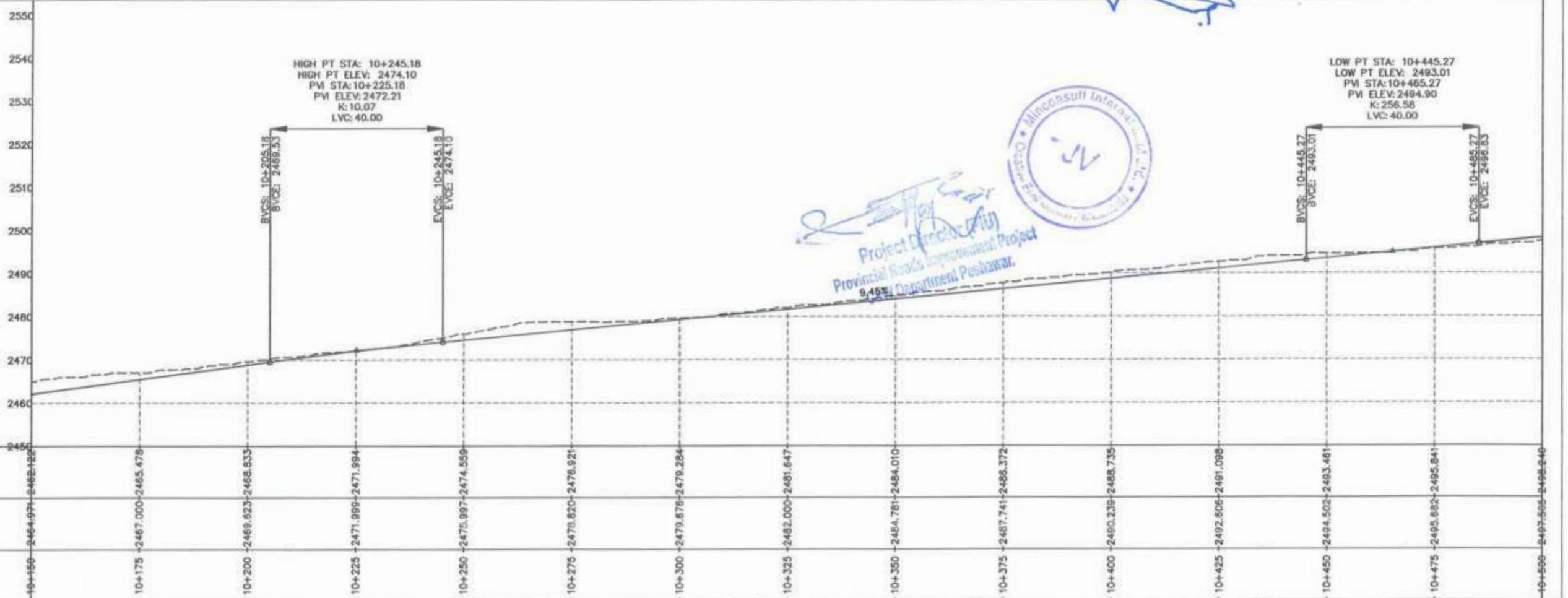
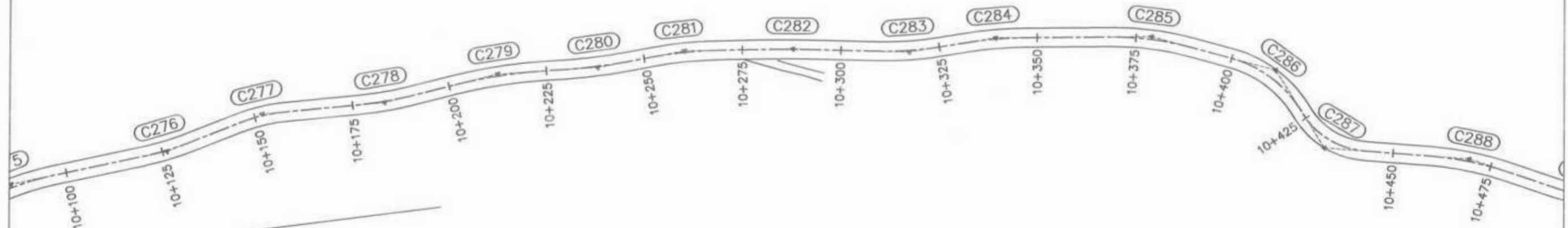
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N.S.L.	2445.751	2445.192	2447.546	2444.148	2442.000	2443.031	2446.751	2446.000	2446.618	2447.886	2448.997	2451.949	2455.997	2461.126	2464.971
STATION	9+800	9+825	9+850	9+875	9+900	9+925	9+950	9+975	10+000	10+025	10+050	10+075	10+100	10+125	10+150

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



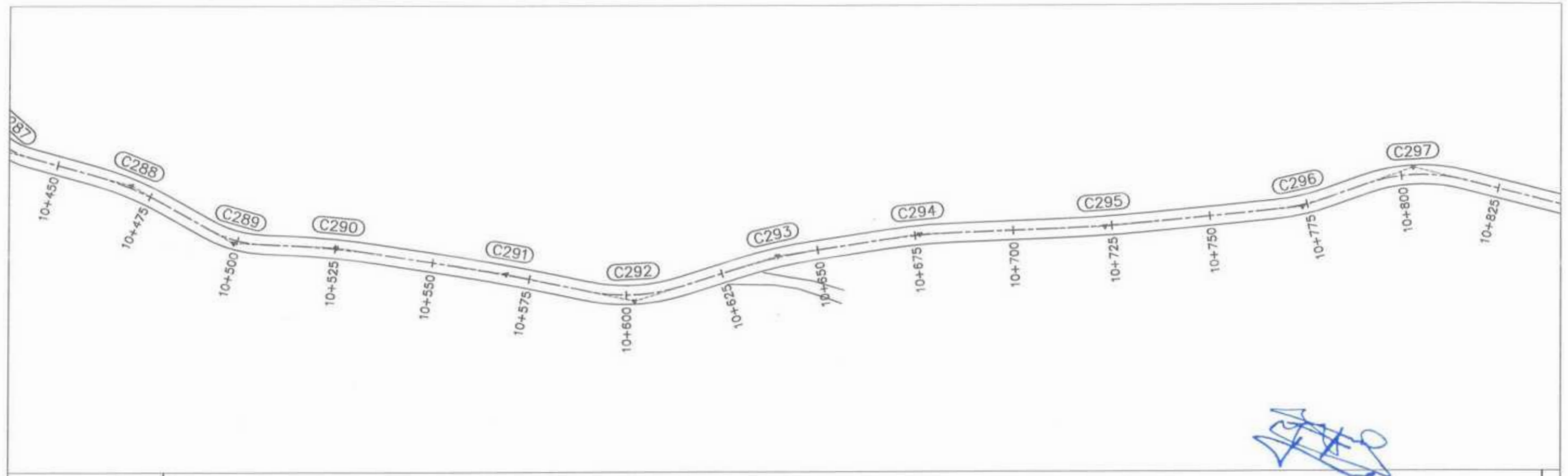
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG, 2024	SHEET CONTENT: PLAN & PROFILE 9+800.00 - 10+150.00 DWG NO. CEC/KP-RRDP/PIU/N-CHT-7/
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: AAMIR KHAN			
		a			DRAWN: IMRAN TARGO			
		b			CHECKED: S. DURRANI			
			c			APPROVED: AQEEL YOUNIS		29



Project Director
 Provincial Roads Improvement Project
 9,452 Department Peshawar.



GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	(MIN - JV - CEC)	REV 0 1 2 3	DATE AUG.2024	DESCRIPTION TENDER DRAWINGS	NAMES G.DESIGNED: AAMIR KHAN DRAWN: IMRAN TARIQ CHECKED: S.DURRANI APPROVED: AQEEL YOUNIS	PROJECT KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE H:1:1000 V:1:1000	SHEET CONTENT: PLAN & PROFILE 10+150.00 - 10+500.00
		N-CHT-7 RECH ROAD CHITRAL	DATE: AUG.2024	DWG NO. CEC/KP-RRDP/PIU/N-CHT-7/					
		FLOOD AFFECTED ROAD							

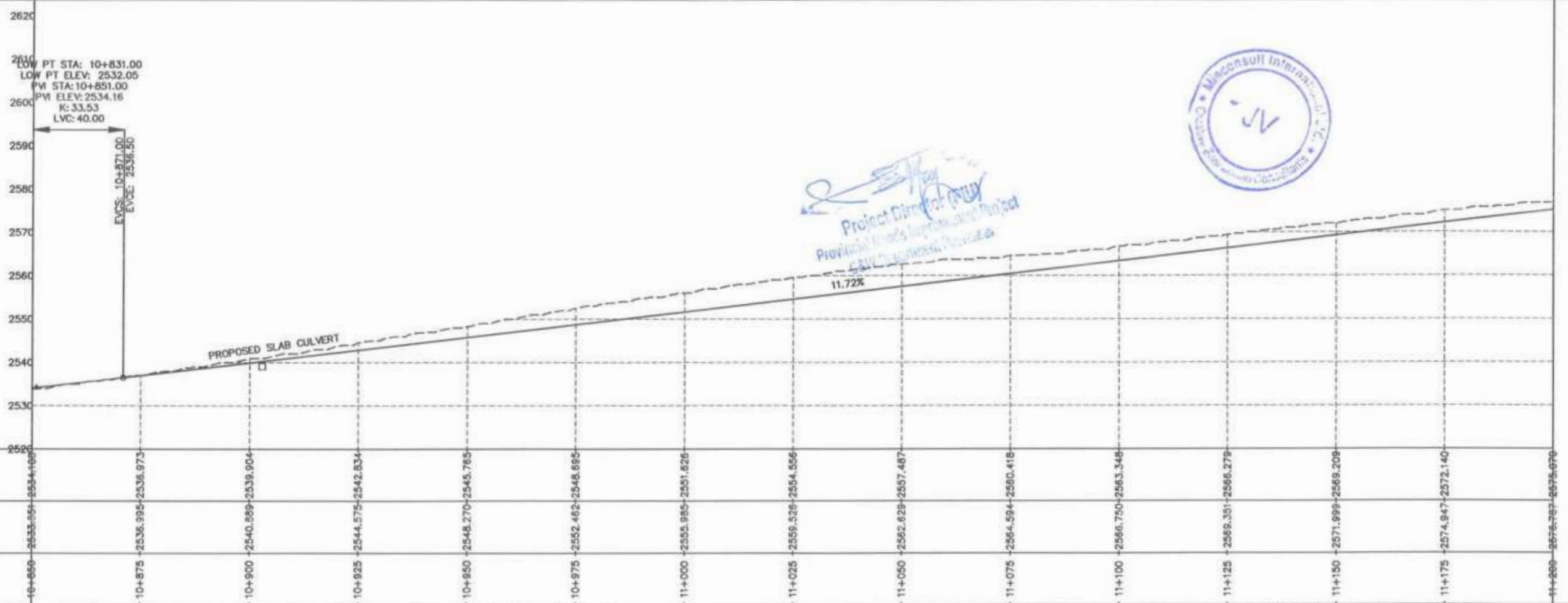
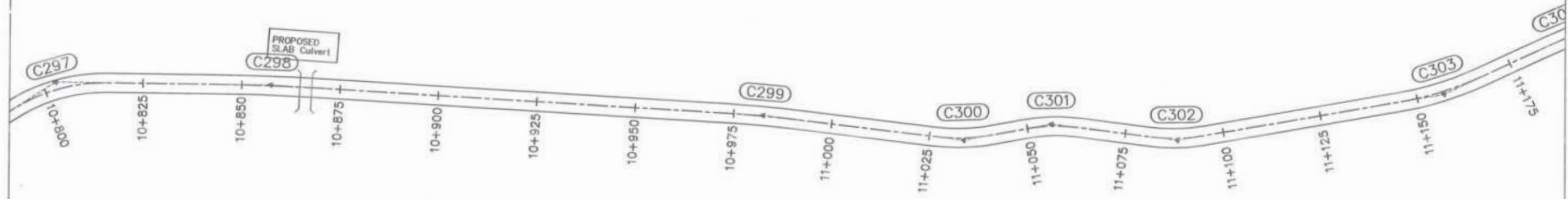


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N.S.L	2497.565-2498.246	2500.902-2500.642	2503.826-2503.044	2506.647-2505.446	2507.951-2507.654	2510.853-2510.370	2513.926-2512.996	2516.775-2515.628	2519.375-2518.260	2522.359-2520.893	2524.204-2523.525	2525.976-2526.157	2527.991-2528.790	2530.940-2531.422	2533.851-2534.106
STATION	10+566	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

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

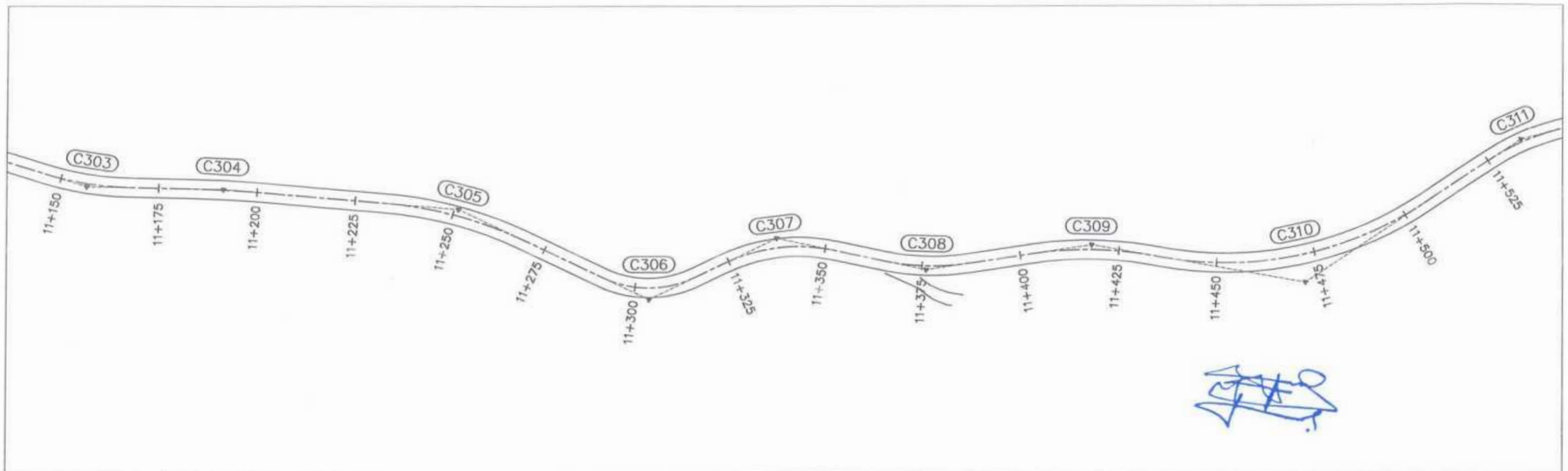


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD	SCALE:	SHEET CONTENT: PLAN & PROFILE 10+500.00 - 10+850.00 DWG NO. CEC/KP-RRDP/PIU/N-CHT-7/
		0	AUG.2024	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN			H:1:1000	
		a			DRAWN	IMRAN TARIQ			V:1:1000	
		b			CHECKED	S.DURRANI			DATE:	
			c		APPROVED	AQEEL YOUNIS		AUG.2024		

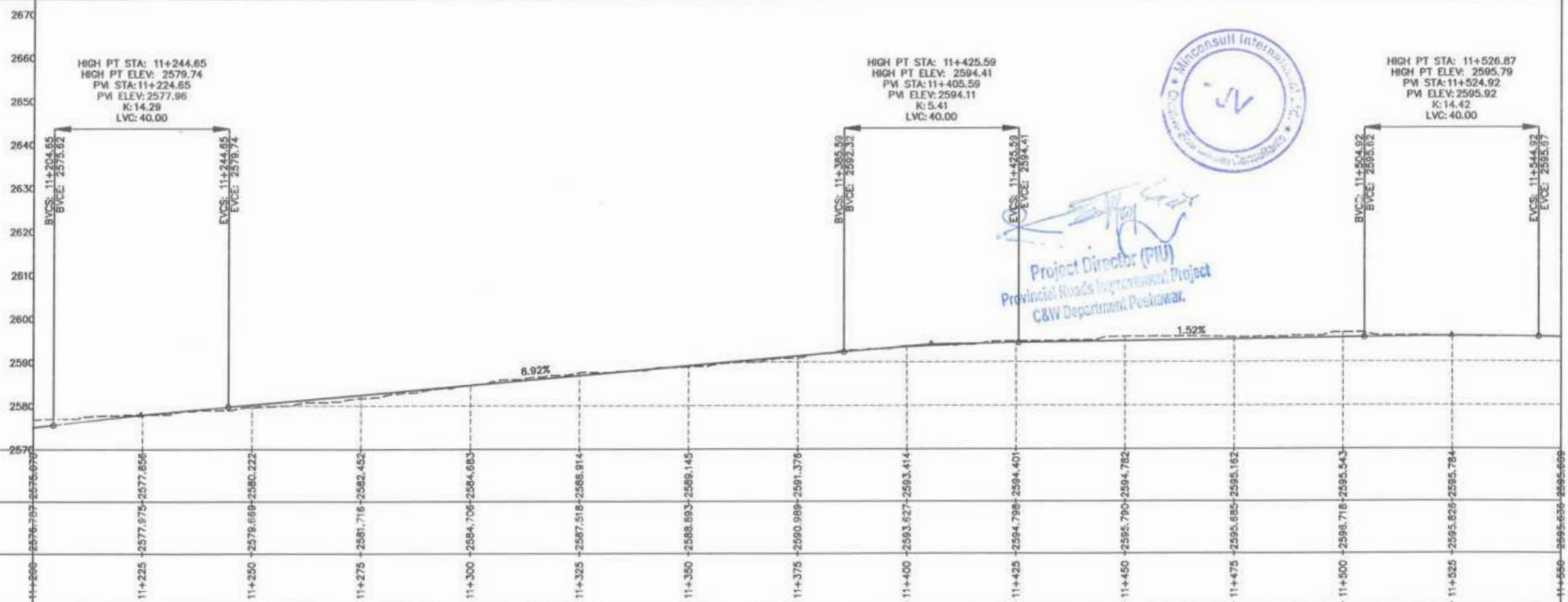


Project Director (PIU)
 Provincial Roads Improvement Project
 Khyber Pakhtunkhwa

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 (RRDP)	SCALE: H:1:1000 V:1:1000 DATE: AUG, 2024	SHEET CONTENT: PLAN & PROFILE 10+850.00 - 11+200.00 DWG NO. CECRP-RRDP/RWN-CHT-7/
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: AAMIR KHAN			
		a			DRAWN: IMRAN TARGO			
		b			CHECKED: S. DURRANI			
					APPROVED: AQEEL YOUNIS			

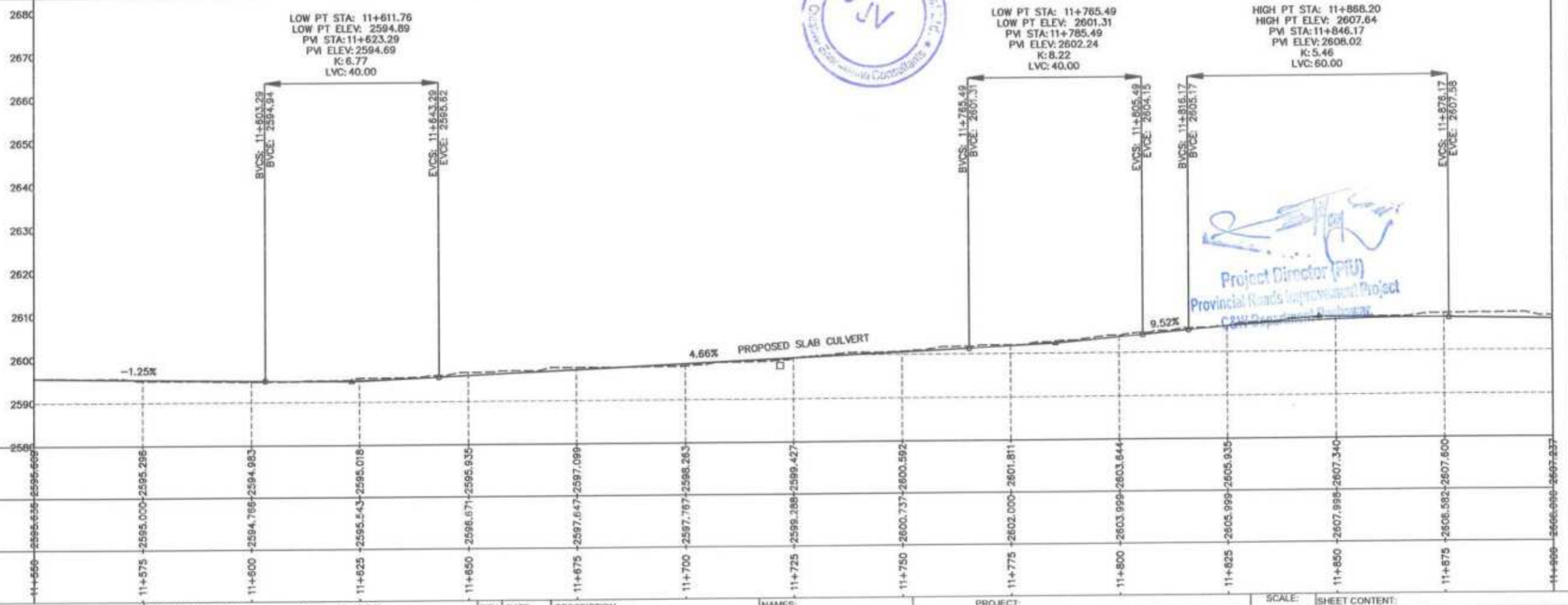
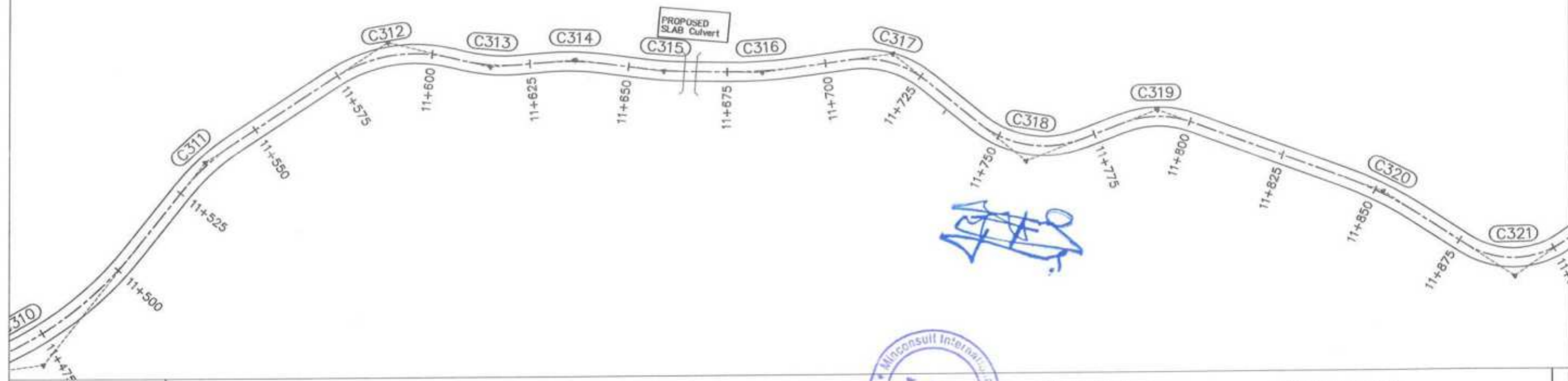


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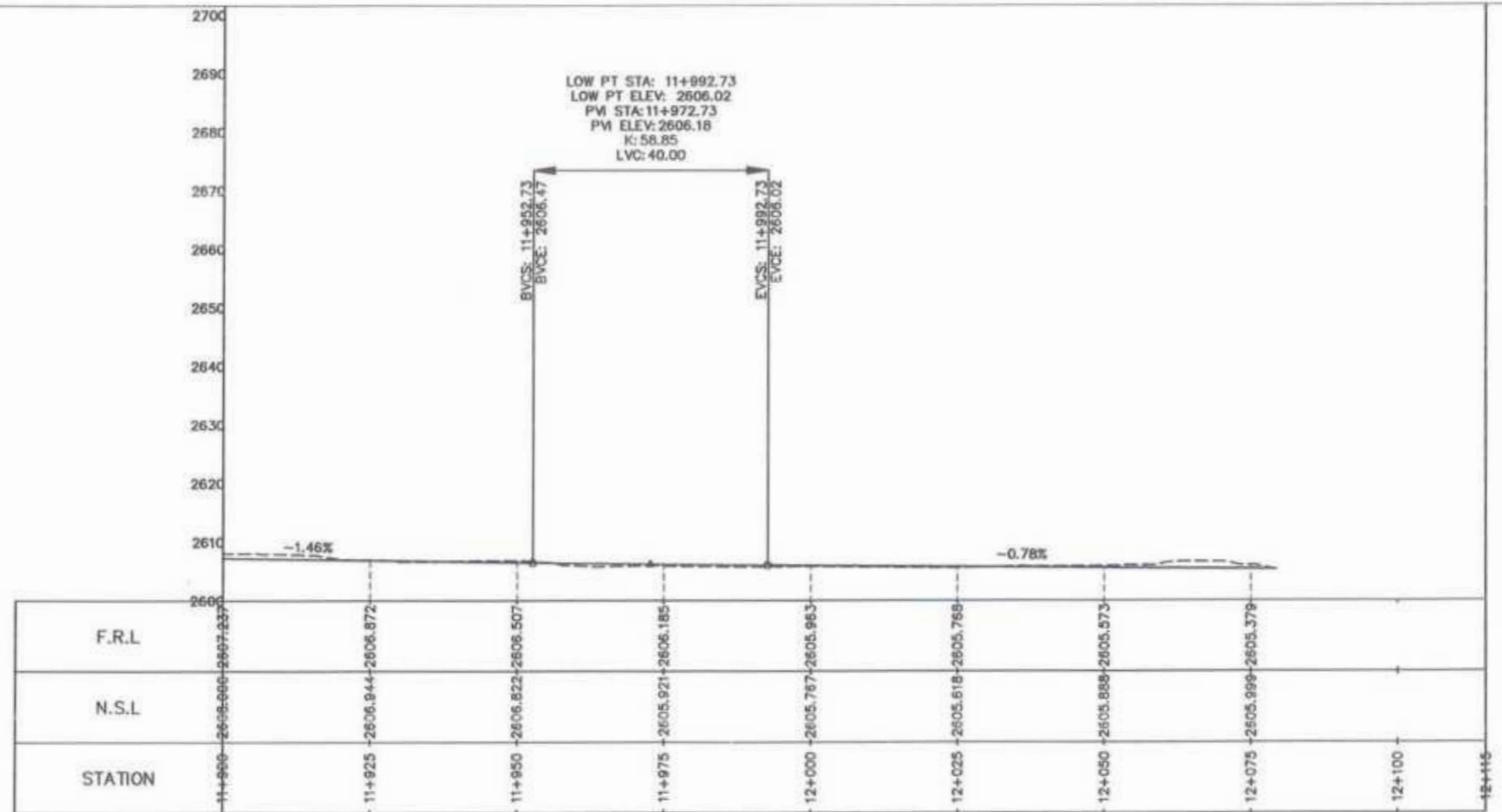
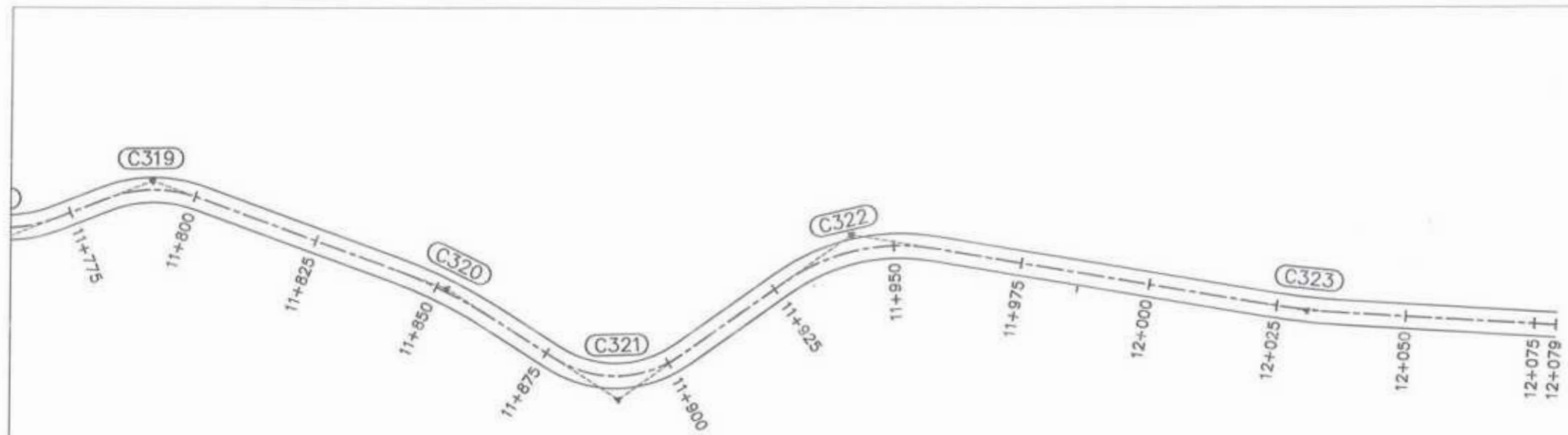
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MIN CONSULT J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
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		a			DRAWN: IMRAN TARIQ				
		b			CHECKED: S.DURRANI				
		c			APPROVED: AGEEL YOUSUF				



Project Director (PIU)
Provincial Road Improvement Project
C321 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:		
		a	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 REGD ROAD CHTRAL FLOOD AFFECTED ROAD
		b			DRAWN	IMRAN TARIQ					
		c			CHECKED	S. DURRANI					
			APPROVED	AOEEL YOUNIS							
						PROJECT:		H:1:1000 V:1:1000	PLAN & PROFILE 11+550.00 - 11+900.00		
						DATE:		DWG NO. CEC/KP-RRDP/HWIN-CHT-7/			



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 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	TENDER DRAWINGS	G.DESIGNED	AAMIR KHAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-7 RECH ROAD CHITRAL FLOOD AFFECTED ROAD
		e			DRAWN	IMRAN TARIQ					
		b			CHECKED	S.DURRANI					
		c			APPROVED	AQEEL YOUNIS					
							DATE	AUG.2024	DWG NO.CEC/KP-RRDP/PIU/N-CHT-7/		

STRUCTURAL DRAWINGS



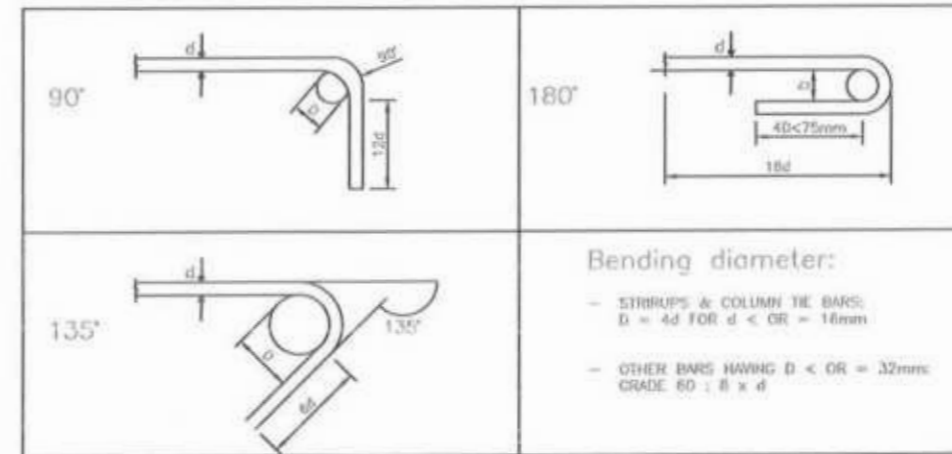
Project Director (PIU)
Provincial Roads Improvement Project
C&W Department, Pushovera.

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 AROUND 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 SHALL 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



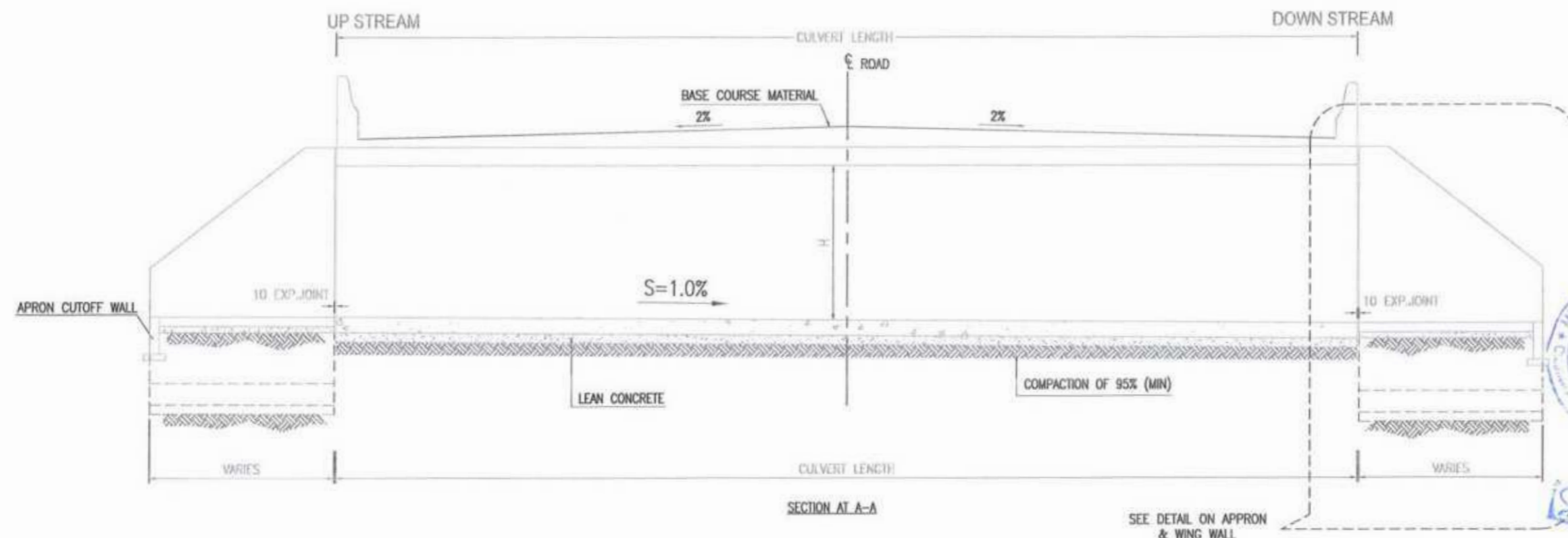
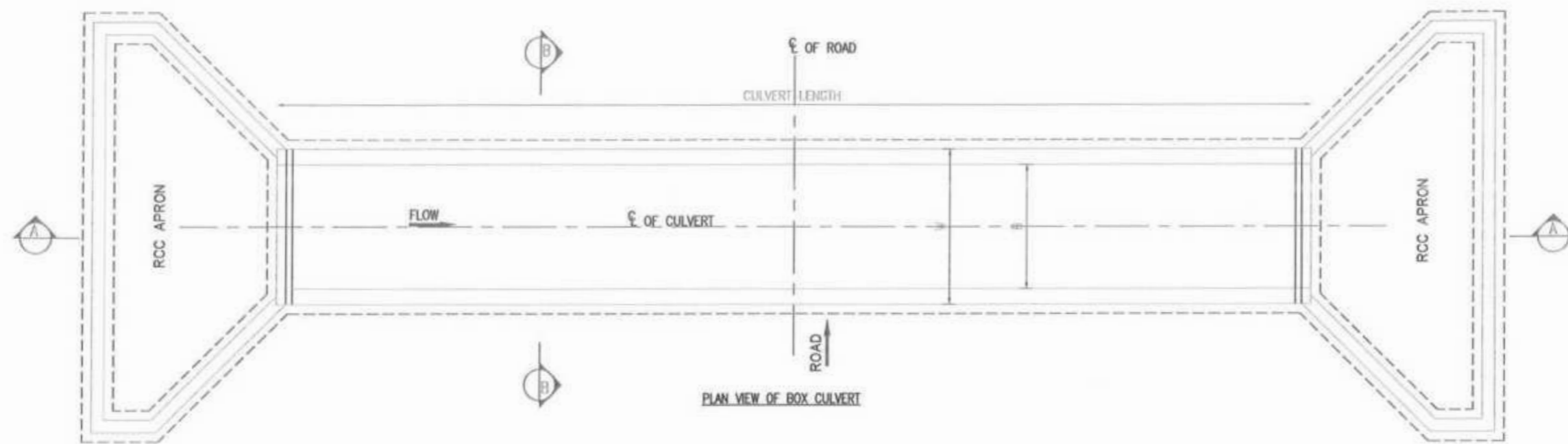
BAR DIA (mm)	DEVELOPMENT LENGTH (mm)		SPLICE/LAP LENGTH (mm)	
	fc' = 210-280 kg/sq.cm fy' = 4200 kg/sq.cm		fc' = 210-280 kg/sq.cm fy' = 4200 kg/sq.cm	
	Straight Bar	Bar with Hook	Straight Bar	Bar with Hook
10.00	500.00	250.00	500.00	250.00
12.00	600.00	300.00	600.00	300.00
16.00	800.00	400.00	800.00	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

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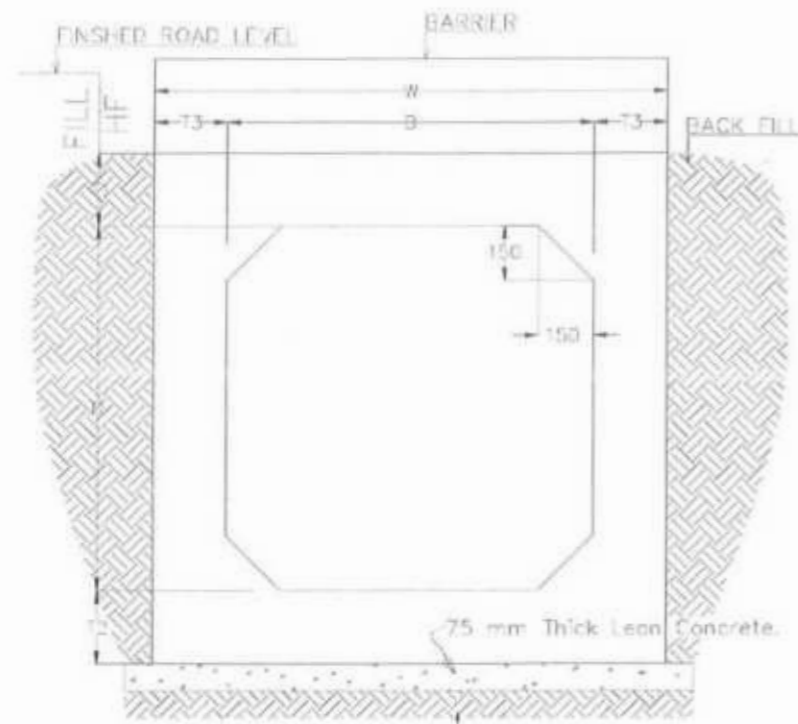
Project Director
Provincial Road Improvement Project
C&W Department

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 5835 P) J.V. CREATIVE ENGINEERING	REV. DATE. DESCRIPTION	NAMES:	PROJECT:	PACKAGE-7	SHEET CONTENT:
		a. SEP. 2024 TENDER DRAWINGS	DESIGNED: M.FAZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	LOT-1	GENERAL NOTES FOR CULVERTS
			DRAWN: MUSHTAQ			
			CHECKED: M.ISLAM			
						N.T.S
						DATE: SEP.

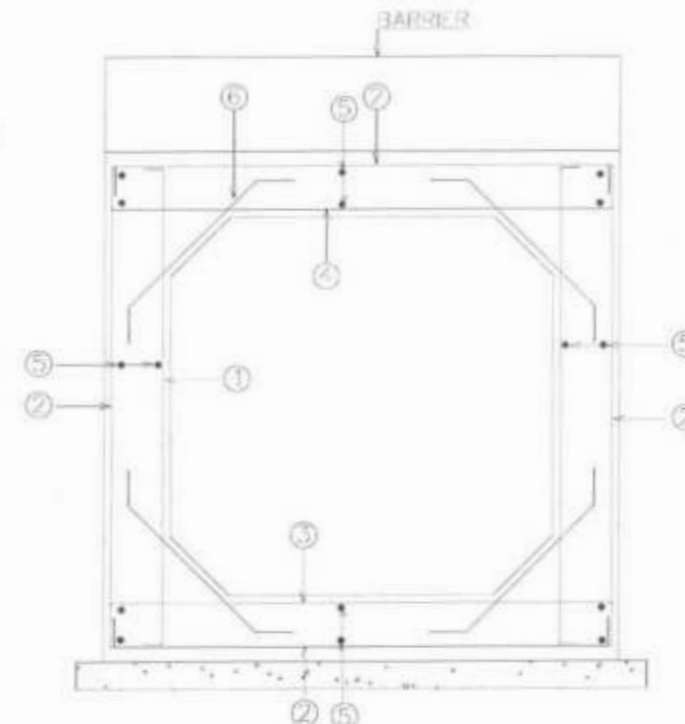


GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	MINCONSULT SDN BHD <small>(COMPANY NO. 58815 P)</small> J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	PACKAGE-7 LOT-1	SCALE:	SHEET CONTENT:
		0	SEP. 2024	TENDER DRAWINGS	DESIGNED M.FAIZAN DRAWN MUSHTAQ CHECKED M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N.T.S.	DATE: SEP.

Project Director (PIS)
 Provincial Roads Improvement Project
 KP-RRDP Department Dushawaz



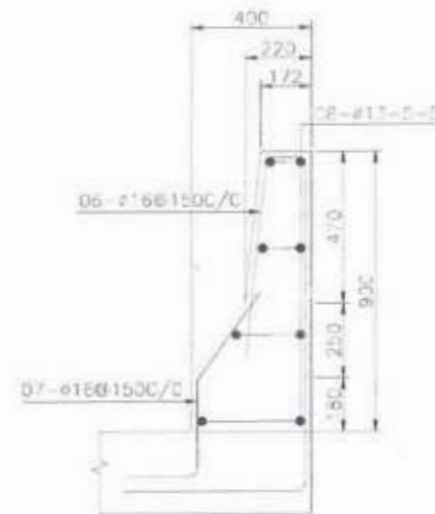
TYPICAL SECTION B-B



REINFORCEMENT DETAILS



BARRIER



BARRIER REINFORCEMENT

NOTES:-

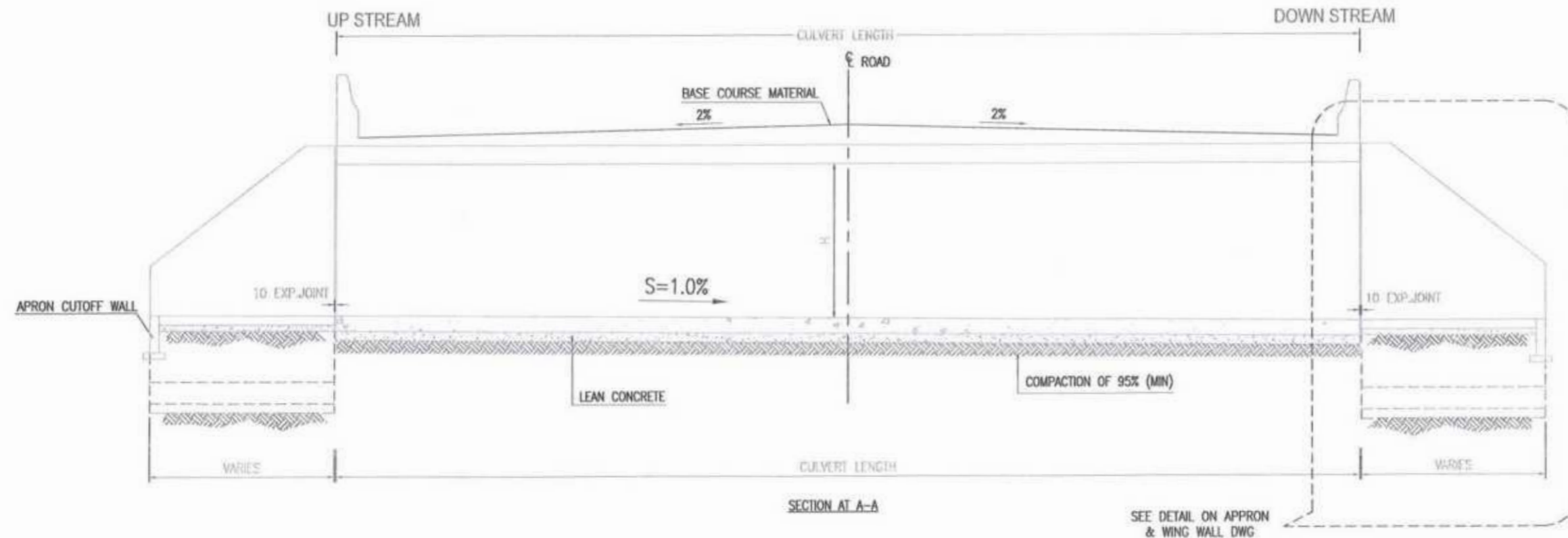
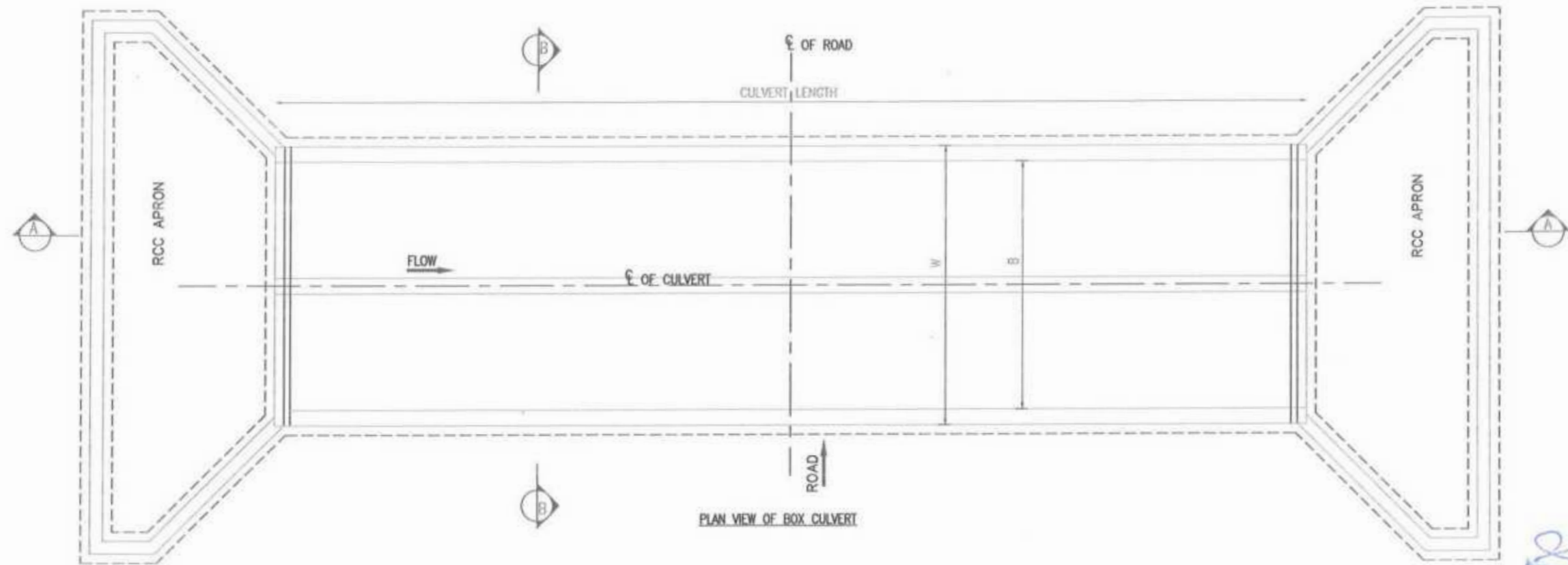
- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED.
- 2- ALL CONCRETE SHALL BE REINFORCED CONCRETE CLASS A3.
- 3- REINFORCEMENT FOR REINFORCED CONCRETE SHALL BE DEFORMED BAR OF (GRADE 60) CONFORMING TO AASHTO M-31 (ASTM A615) WITH MINIMUM YIELD STRENGTH OF 4200 kg/sq.cm (80,000 psi).
- 4- ALL FACES OF 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 Q, HOWEVER IF SKEW IT SHALL BE FINALIZED AS PER SITE REQUIREMENT.
- 7- CONCRETE COVER: OUTER SIDE = 50mm, INNER SIDE = 40mm, BOTTOM = 40mm & TOP = 40mm

Project Engineer
 Provincial Roads Department
 Khyber Pakhtunkhwa



SINGLE CELL BOX CULVERT DIMENSION AND REINFORCEMENT													
SIZE	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	1000	300-600	250	250	250	1500	16-150	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	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	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	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	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	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
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			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	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	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	2600	16-150	16-150	16-150	16-150	10-150	10-150
2000	2500	2500	300-600	300	325	275	2650	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	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	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	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	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	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	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO: 58835-P) J.V. CREATIVE ENGINEERING	REV. DATE DESCRIPTION # SEP. 2024 TENDER DRAWINGS * #	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: SINGLE CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL
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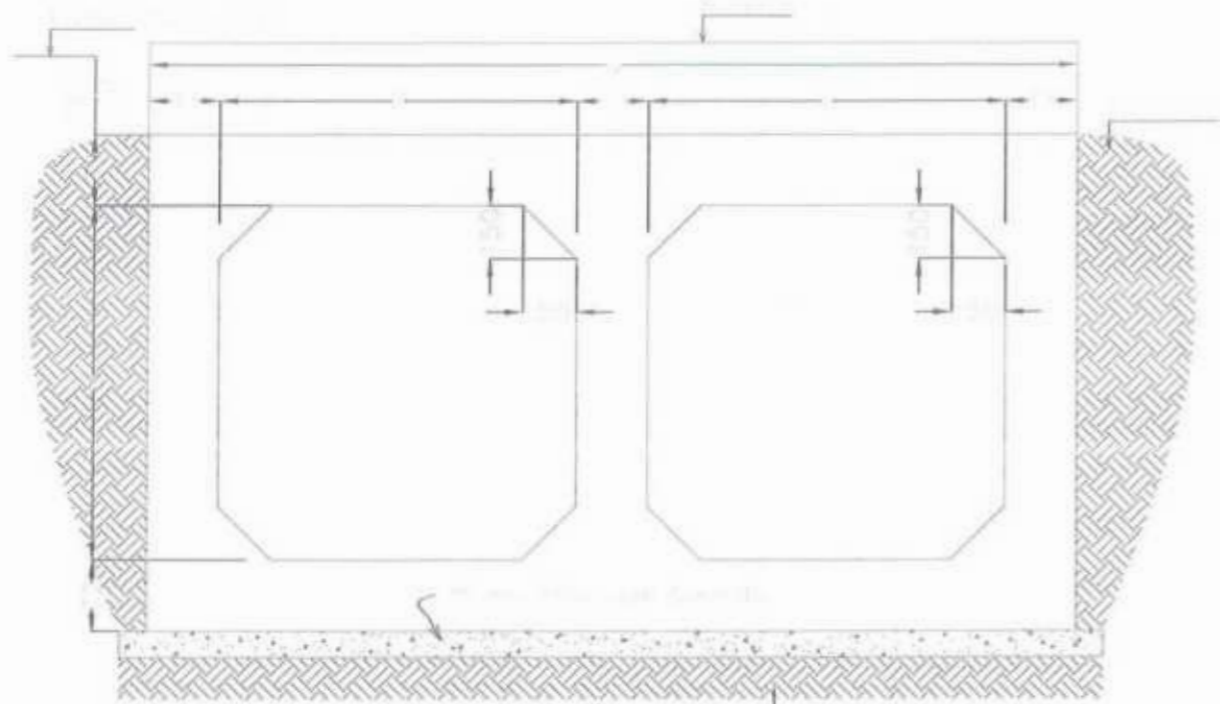


[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

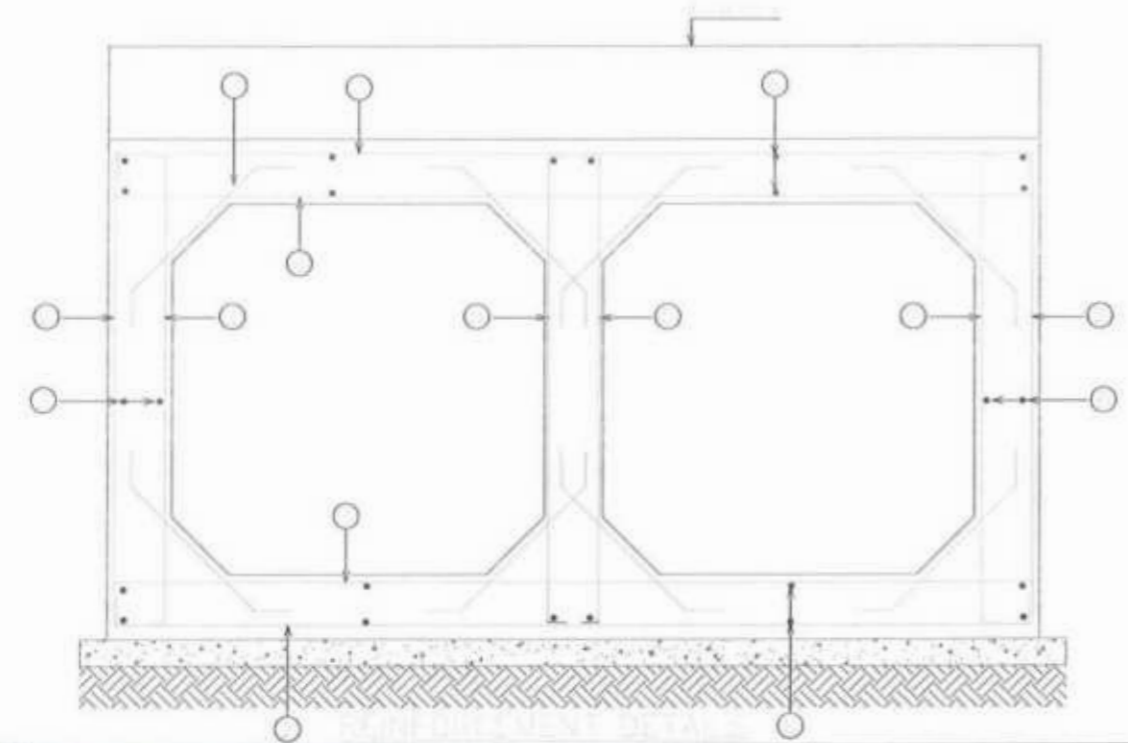
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CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	MINCONSULT SDN BHD (INCORPORATED IN MALAYSIA) J.V. CREATIVE ENGINEERING	a	SEP. 2024	TENDER DRAWINGS	DESIGNED	M.FAIZAN	N.T.S DATE SEP.	2 CELL BOX CULVERT PLAN & SECTION VIEW
		x			DRAWN	MUSHTAQ		
		b			CHECKED	M.ISLAM		
						KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) PACKAGE-7 LOT-1		



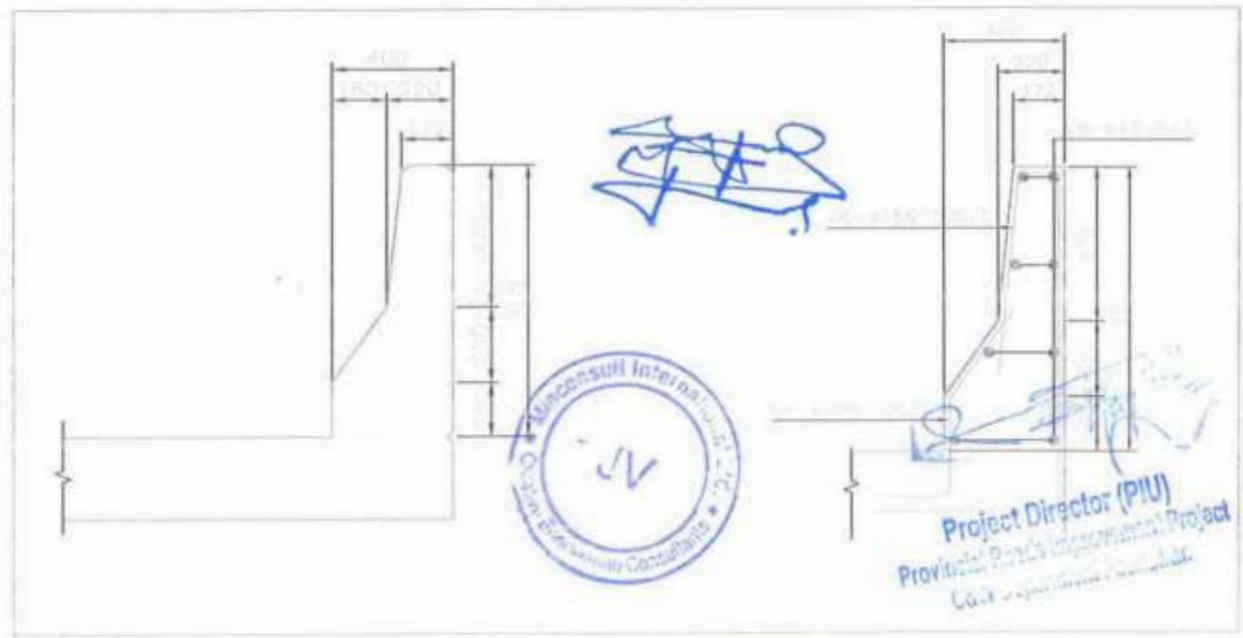
TYPICAL SECTION



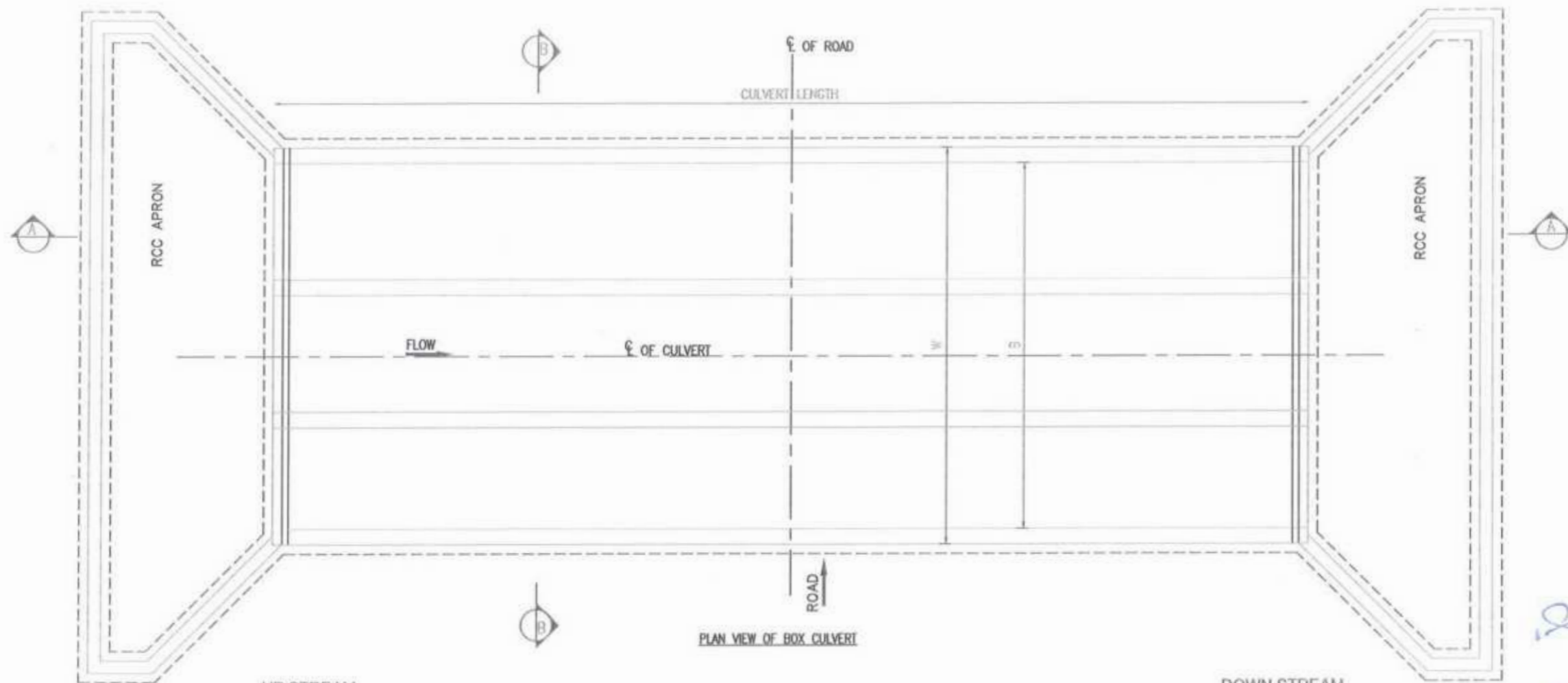
TWO CELL BOX CULVERT DIMENSION AND REINFORCEMENT													
SIZE		FILL HF	T1	T2	T3	W	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6	BAR 7
B	D						DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C
2000	1000	300-600	300	315	250	4750	16-150	20-150	16-150	20-150	16-150	12-200	12-200
		601-1000	250	250	250	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

NOTES:-

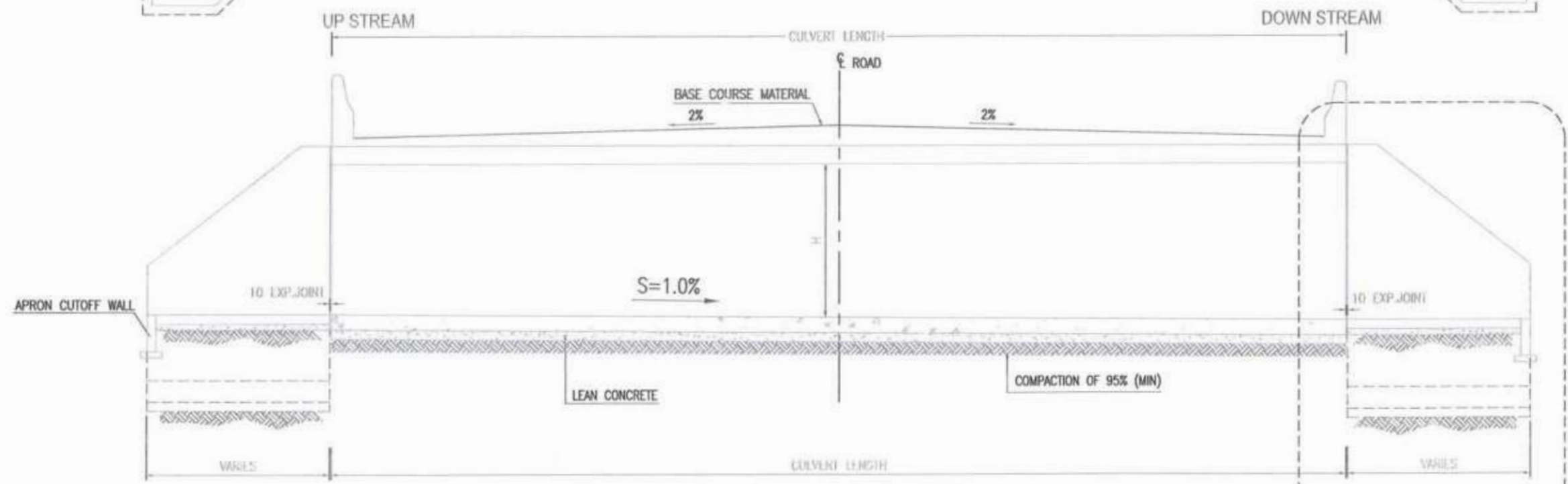
- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED.
- 2- ALL CONCRETE SHALL BE REINFORCED CONCRETE CLASS A3
- 3- REINFORCEMENT FOR REINFORCED CONCRETE SHALL BE DEFORMED BAR OF (GRADE 60) CONFORMING TO AASHTO M-31 (ASTM A615) WITH MINIMUM YIELD STRENGTH OF 4200 kg/sq.cm (60,000 psi).
- 4- ALL FACES OF 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



<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	N.T.S
		1			DRAWN	MUSHTAQ		LOT-1	DATE
		2			CHECKED	M.ISLAM		SEP.	2 CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL
3									



PLAN VIEW OF BOX CULVERT



SECTION AT A-A

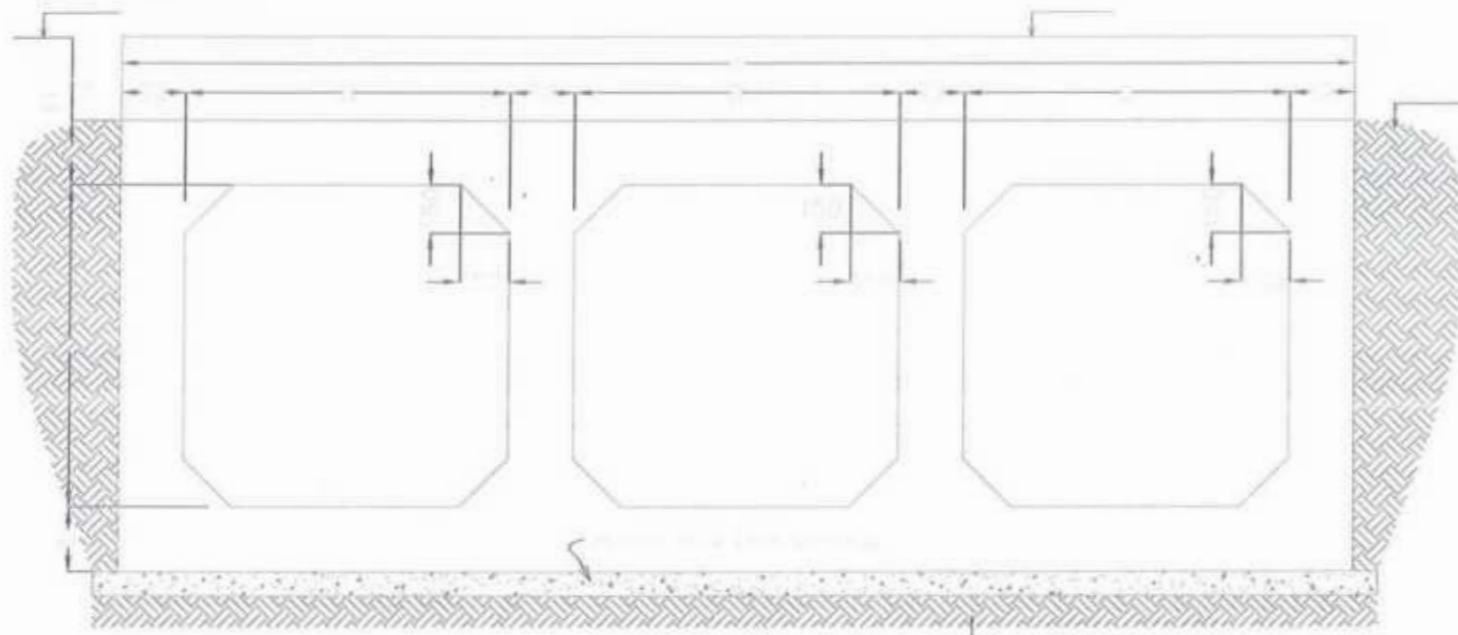
SEE DETAIL ON APRON & WING WALL DWG

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

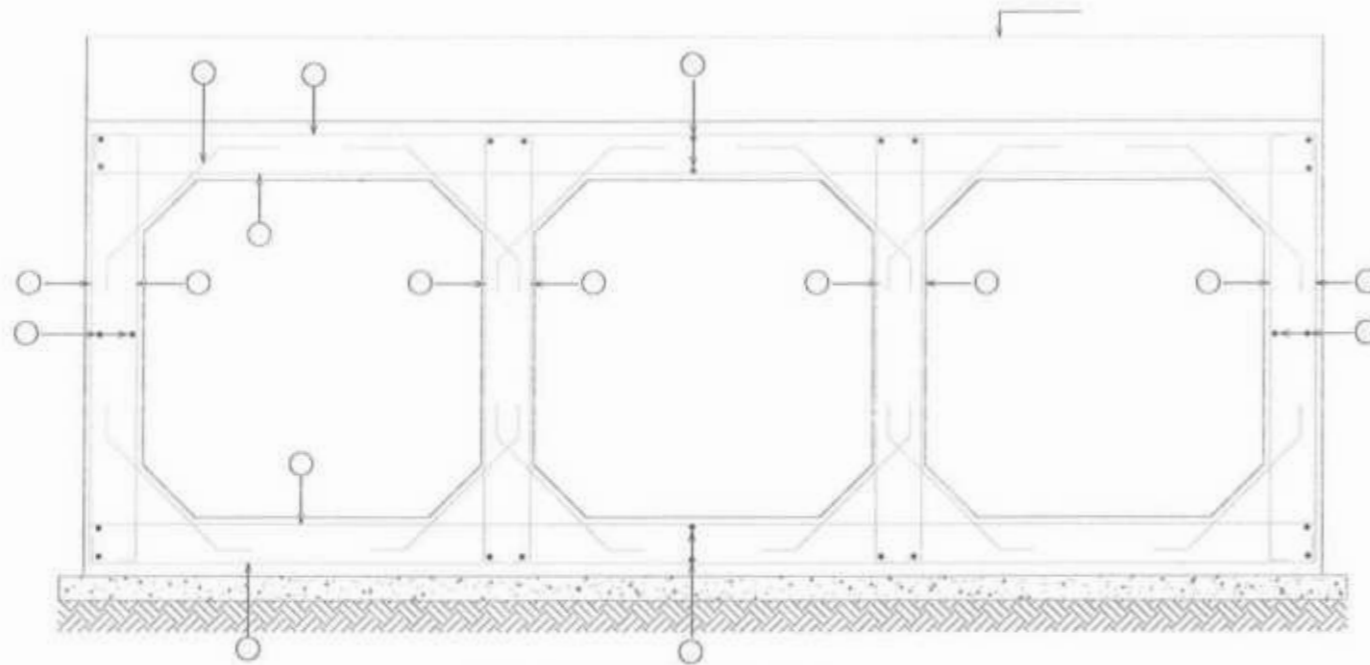
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GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 53635-P) J.V. CREATIVE ENGINEERING COMPANY (PVT) LTD.	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED			
1			DRAWN	MUSHTAQ	DATE: SEP.			
2			CHECKED	M.ISLAM				

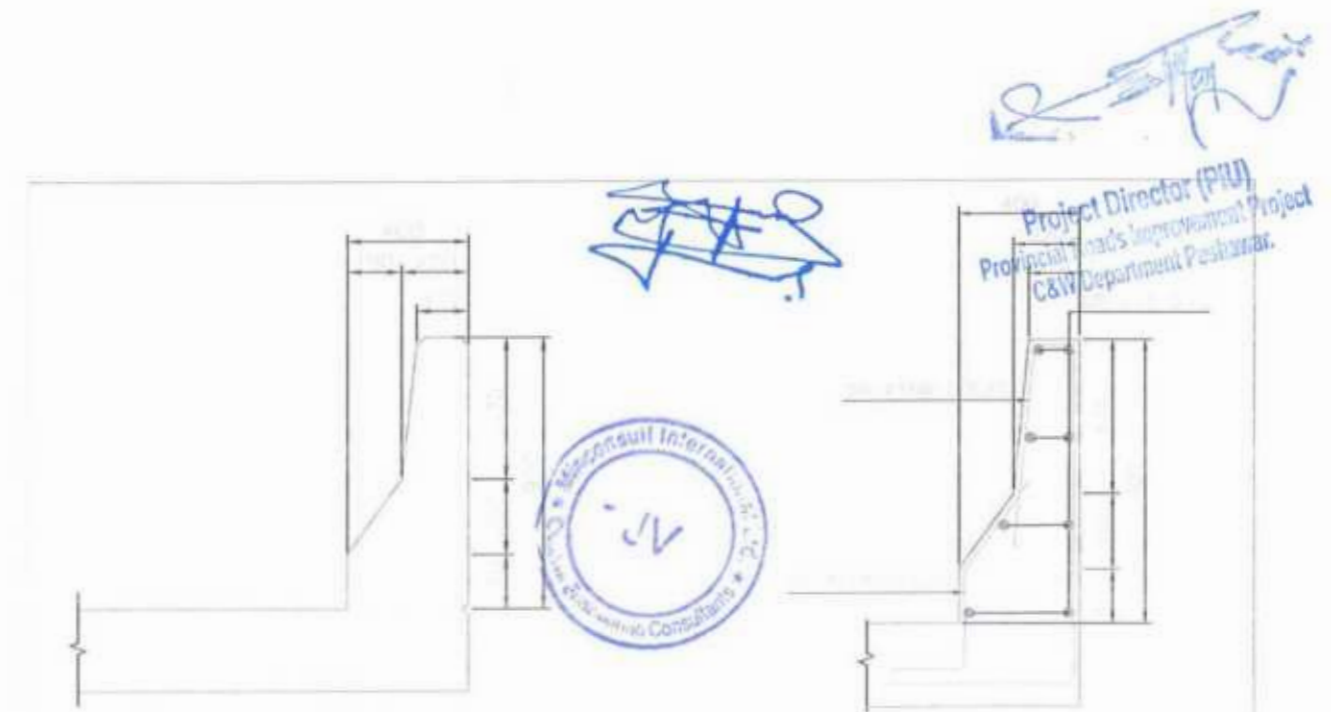


THREE / MULTI CELL BOX CULVERT DIMENSION AND REINFORCEMENT													
SIZE		FILL HF	T1	T2	T3	W	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6	BAR 7
B	D						DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C
2000	1000	300-600	300	315	250	7000	16-150	20-150	16-150	20-150	16-150	12-200	12-200
		601-1000	250	250	250	7000	16-150	16-150	16-150	20-150	16-150	12-200	12-200
		1001-2000	250	250	250	7000	16-150	16-150	16-150	20-175	16-150	12-200	12-200
2500	1000	300-600	325	325	300	8700	20-150	20-150	20-175	20-125	16-150	12-200	12-200
		601-1000	275	275	275	8800	20-150	20-150	20-175	20-125	16-150	12-200	12-200
		1001-2000	275	275	275	8800	16-150	20-150	20-175	20-125	16-150	12-200	12-200
2000	1500	300-600	300	315	250	7000	16-150	20-150	20-150	20-150	16-150	12-200	12-200
		601-1000	250	250	250	7000	16-150	16-150	20-150	20-150	16-150	12-200	12-200
		1001-2000	250	250	250	7000	16-150	16-150	20-150	20-150	16-150	12-200	12-200
3000	1500	300-600	400	415	325	10300	16-125	20-125	20-150	20-100	20-200	12-200	12-200
		601-1000	300	300	300	10200	16-150	20-150	20-150	20-100	20-200	12-200	12-200
		1001-2000	300	300	300	10200	16-150	20-150	20-150	20-150	20-200	12-200	12-200
2000	2000	300-600	300	315	250	7000	16-150	20-150	20-150	20-150	16-170	12-200	12-200
		601-1000	250	250	250	7000	16-150	20-150	20-150	20-150	16-150	12-200	12-200
		1001-2000	250	250	250	7000	16-150	20-150	16-150	20-150	16-150	12-200	12-200
3000	2000	300-600	400	425	325	10300	16-125	20-125	20-125	20-125	20-175	12-200	12-200
		601-1000	300	300	300	10200	16-150	20-150	20-150	20-150	20-175	12-200	12-200
		1001-2000	300	300	300	10200	20-170	20-170	20-170	20-170	20-175	12-200	12-200
4000	2000	300-600	500	500	350	13400	20-125	20-125	20-125	20-100	20-150	12-200	12-200
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		1001-2000	250	250	250	13000	20-170	20-170	20-170	20-100	20-150	12-200	12-200
3000	3000	300-600	400	415	375	10500	16-125	20-125	20-125	20-125	20-125	12-125	12-125
		601-1000	300	300	300	10200	16-150	20-150	20-150	20-150	20-125	12-150	12-150
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NOTES:-

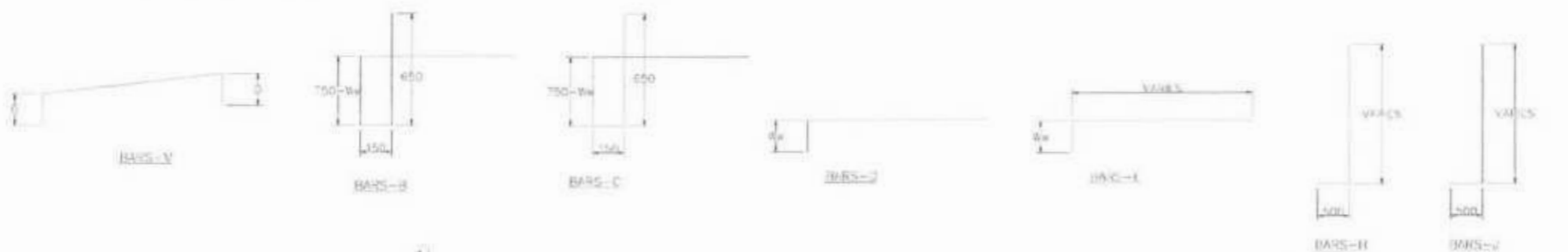
- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED.
- 2- ALL CONCRETE SHALL BE REINFORCED CONCRETE CLASS A3
- 3- REINFORCEMENT FOR REINFORCED CONCRETE SHALL BE DEFORMED BAR OF (GRADE 60) CONFORMING TO AASHTO M-31(ASTM A615) WITH MINIMUM YIELD STRENGTH OF 4200 kg/sq cm (60,000 psi).
- 4- ALL FACES OF 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. 19835-F) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE: N.T.S. SHEET CONTENT: THREE/MULTI CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAZAN DRAWN: MUSHTAQ CHECKED: MISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	

APRON & WINGWALLS DIMENSIONS & REINFORCEMENTS

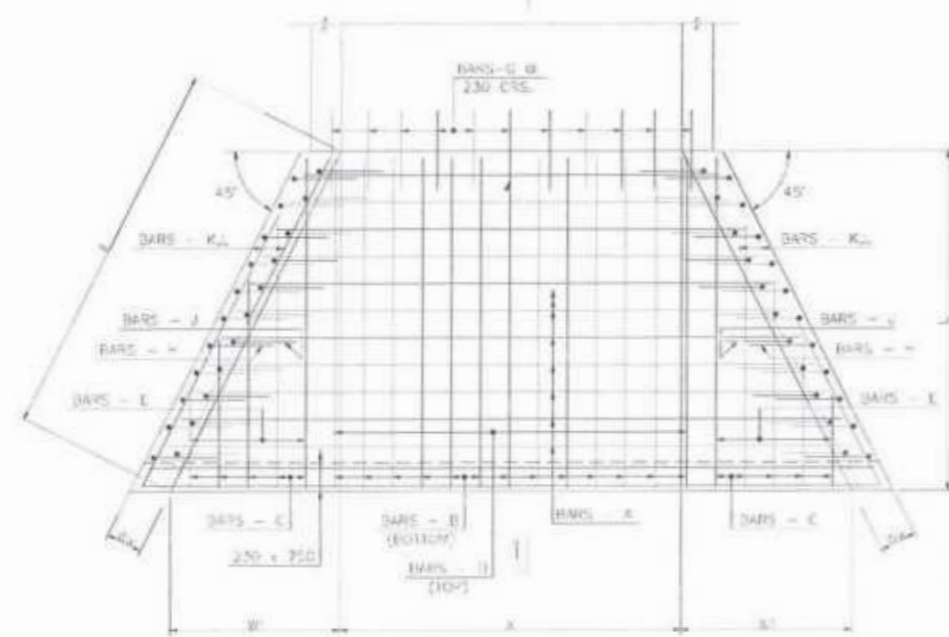
BOX DIMENSIONS		APRON & WING WALL DIMENSIONS								BAR - A		BAR - B		BAR - C		BAR - D		BAR - E		BAR - F		BAR - G		BAR - H		BAR - J		BAR - K		BAR - L		BAR - M												
S	H	T	X	L	E	W	A _w	D	DA	No. of Bars	ML Length	WL Length	DL	No. of Bars	Co Length	DA	No. of Bars	Co Length	DA	No. of Bars	ML Length	WL Length	DL	No. of Bars	Co Length	DA	No. of Bars	ML Length	WL Length	DL	No. of Bars	Co Length	DA	No. of Bars	ML Length	WL Length	DL							
100	600	200	1500	1000	1415	1000	250	450	120	5	2400	4300	400	9	3220	100	545	1620	2200	100	9	1740	160	3	540	1170	120	6	4100	120	8	1200	120	640	2270	100	140	1170	100	40	1270	120	240	2000
	450	200	1500	1000	2120	1000	250	450	120	10	2100	3100	400	9	2750	100	747	1750	2700	100	9	1670	160	3	700	1670	120	6	3400	120	8	1200	120	1300	2170	100	140	1420	100	40	2070	120	240	2800
	300	200	1500	1000	2830	1000	200	400	120	15	3600	4700	400	9	3600	120	940	1670	3200	120	9	1740	160	3	800	1670	120	6	4100	120	8	1200	120	1700	2520	100	140	1900	100	40	2750	120	240	4200
200	600	300	1500	1000	1415	1000	250	450	120	5	2400	4300	400	10	3220	100	545	1620	2200	100	10	1740	160	3	540	1170	120	6	4000	120	10	1200	120	640	2270	100	140	1170	100	40	1270	120	240	2000
	450	300	1500	1000	2120	1000	250	450	120	10	2700	3600	400	10	3100	100	747	1750	2700	100	10	1670	160	3	700	1670	120	6	3500	120	10	1200	120	1300	2170	100	140	1420	100	40	2070	120	240	2800
	300	300	1500	1000	2830	1000	200	400	120	15	3600	4900	400	10	4000	120	940	1670	3500	120	10	1740	160	3	800	1670	120	6	4000	120	10	1200	120	1700	2520	100	140	1900	100	40	2750	120	240	4200
300	600	400	1500	1000	1415	1000	250	450	120	5	2400	4300	400	10	3220	100	545	1620	2200	100	10	1740	160	3	540	1170	120	6	4100	120	10	1200	120	640	2270	100	140	1170	100	40	1270	120	240	2000
	450	400	1500	1000	2120	1000	250	450	120	10	2700	3900	400	10	3100	100	747	1750	2700	100	10	1670	160	3	700	1670	120	6	3600	120	10	1200	120	1300	2170	100	140	1420	100	40	2070	120	240	2800
	300	400	1500	1000	2830	1000	200	400	120	15	3600	5100	400	10	4200	120	940	1670	3700	120	10	1740	160	3	800	1670	120	6	4000	120	10	1200	120	1700	2520	100	140	1900	100	40	2750	120	240	4200



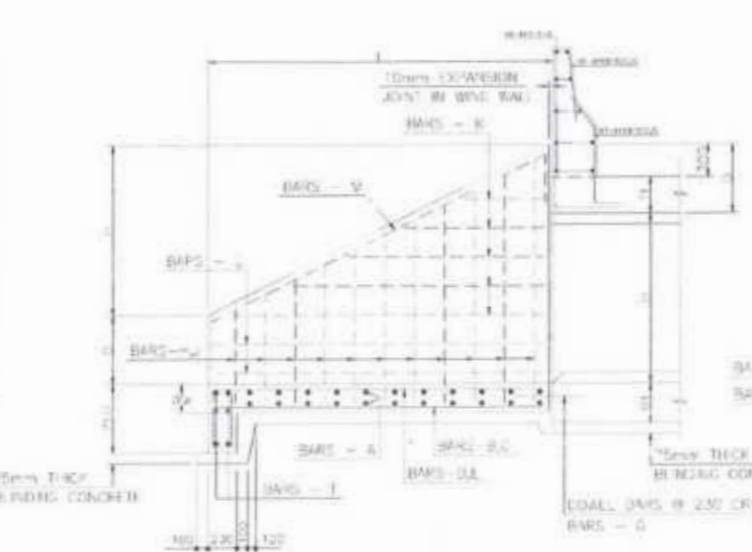
NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- ALL STRUCTURAL CONCRETE SHALL BE CLASS-45 HAVING COMPRESSIVE STRENGTH OF 280 kg/cm².
- ALL STRUCTURAL REINFORCEMENT SHALL BE OF GRADE-60 STEEL, CONFORMING TO ASTM A-615.
- MINIMUM COVER TO THE REINFORCEMENT TO BE 40mm.

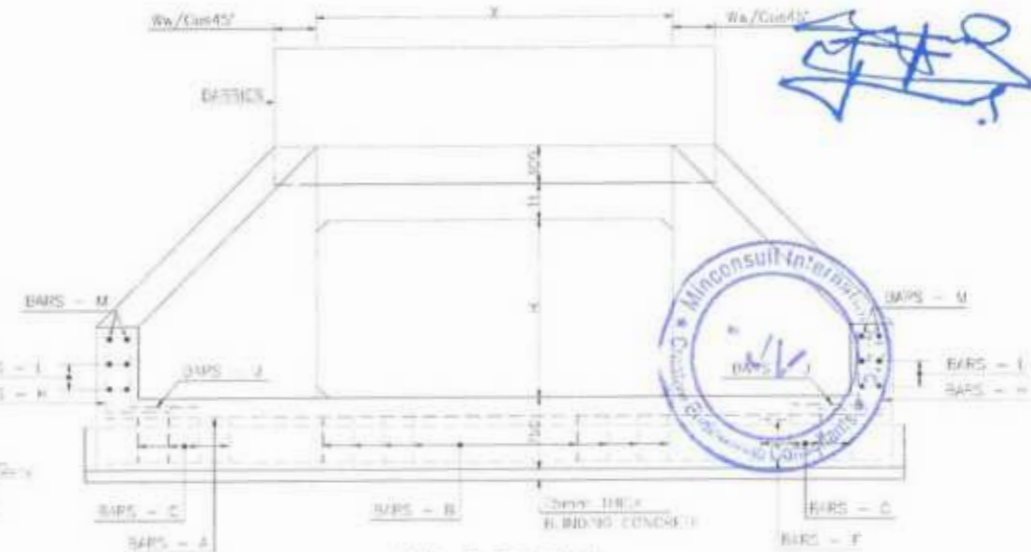
*Project Director (PIU)
Provincial Roads Improvement Project
C&W Department Peshawar.*



PLAN OF SLAB AT GROUND LEVEL



TYP. SEC. 1 - 1



END ELEVATION

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO 5835 P) J.V. CREATIVE ENGINEERING</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		a	SEP, 2024	TENDER DRAWINGS	DESIGNED M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) PACKAGE-7 LOT-1	N.T.S	REINFORCEMENT DETAIL OF BOX CULVERT APRON & WING WALL
		+			DRAWN MUSHTAQ		DATE:	
		b			CHECKED MUSLAM		SEP.	

DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH M/S-HO STANDARDS FOURTEENTH EDITION 1986 AND THE GENERAL SPECIFICATION OF THIS CONTRACT.

PIPE CULVERT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. CLASS 'C' CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 25.0 MPa AT 28 DAYS.
3. CLASS 'B' CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 20.0 MPa AT 28 DAYS.
4. LEAN CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 10.0 MPa AT 28 DAYS.
5. CONCRETE SHALL BE COVERED TO 40MM MINIMUM. REINFORCED CONCRETE SHALL BE CAST WITH THE PROPER SPECIFICATIONS.
6. ALL DIMENSIONS AND FINISHES SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
7. ALL FOUNDATION SHALL BE COMPACTED AND SUBJECT TO CHECK TO SURE GOOD CONDITIONS.
8. ALL EXPOSED CONCRETE SURFACES SHALL BE CHAMPFERED 20 MM.
9. FOR EXACT LOCATION, SLOPE, SKEW ANGLE AND HEIGHT ELEVATION REFER TO ROAD ALIGNMENT, PROFILE DRAWING AND SECTION OF CULVERT.
10. SLOPE, LOCATION, LENGTH, SKEW ANGLE AND HEIGHT ELEVATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE CULVERT.
11. PROPOSED MOUND SHALL BE FILL OVER THE TOP OF THE CULVERT.

MORTAR :

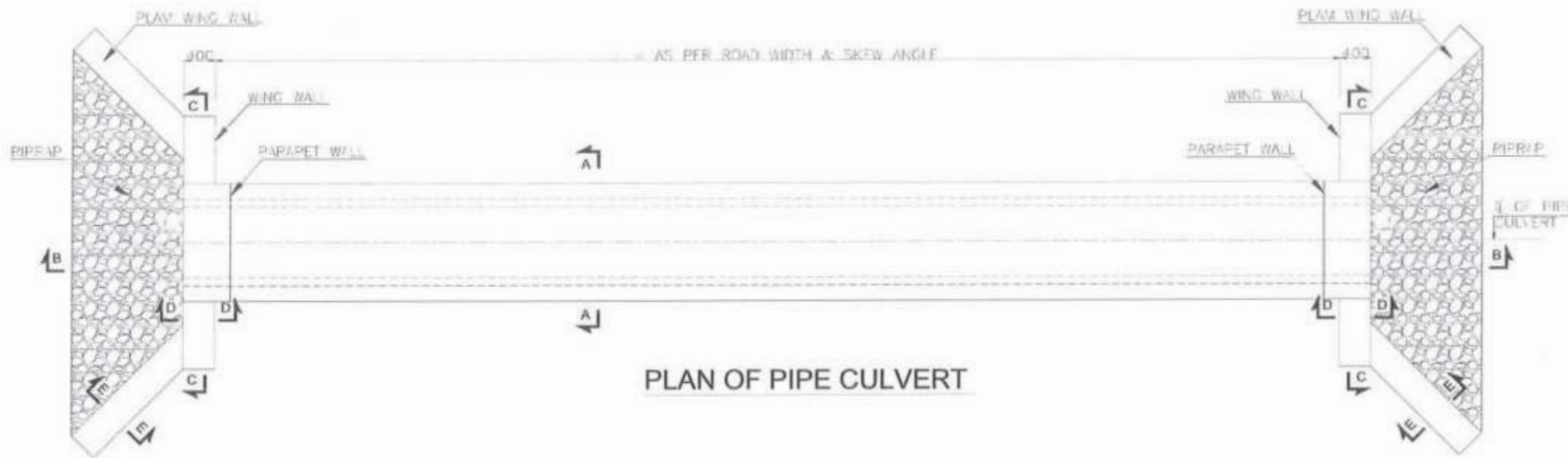
- 1 - PORTLAND CEMENT - 450KG BAG
- 2 - SAND - 450KG BAG

PORTLAND CEMENT CONCRETE :

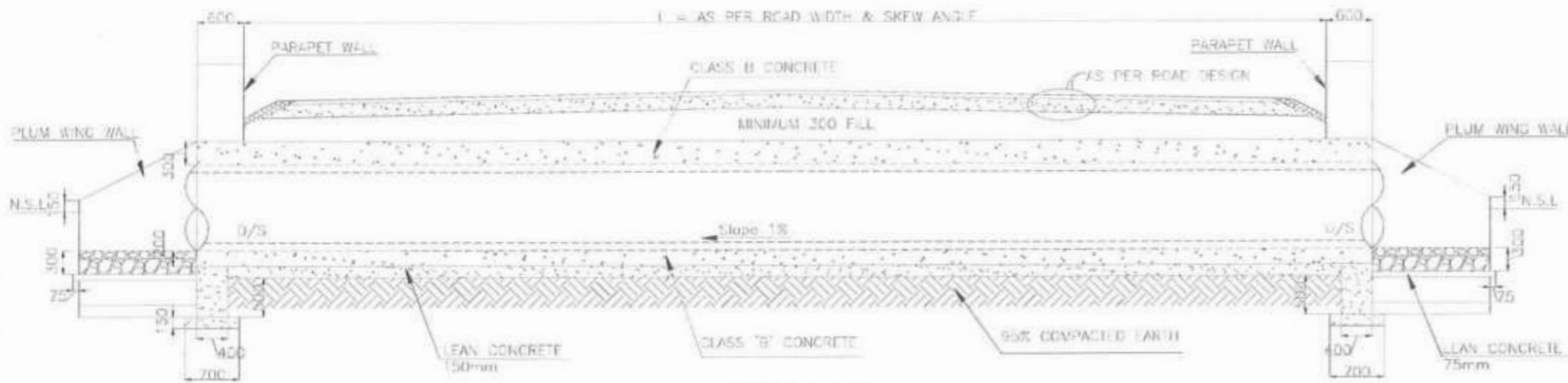
- 1 - LEAN CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 10.0$ kg per sq. cm.
- 2 - CLASS 'B' CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 20.0$ kg per sq. cm.
- 3 - REINFORCED CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 25.0$ kg per sq. cm.

REINFORCEMENT :

- 1 - REINFORCING STEEL SHALL BE GRABE 60 STEEL CONFORMING TO M/S-HO.
- 2 - ALL REINFORCING STEEL SHALL BE PROTECTED BY 25MM MINIMUM CONCRETE COVER.
- 3 - ALL REINFORCING STEEL SHALL BE PROTECTED BY 25MM MINIMUM CONCRETE COVER.



PLAN OF PIPE CULVERT



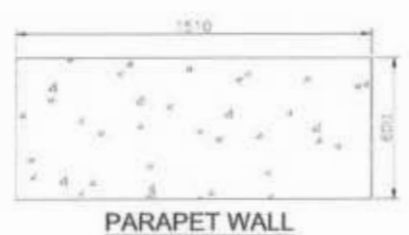
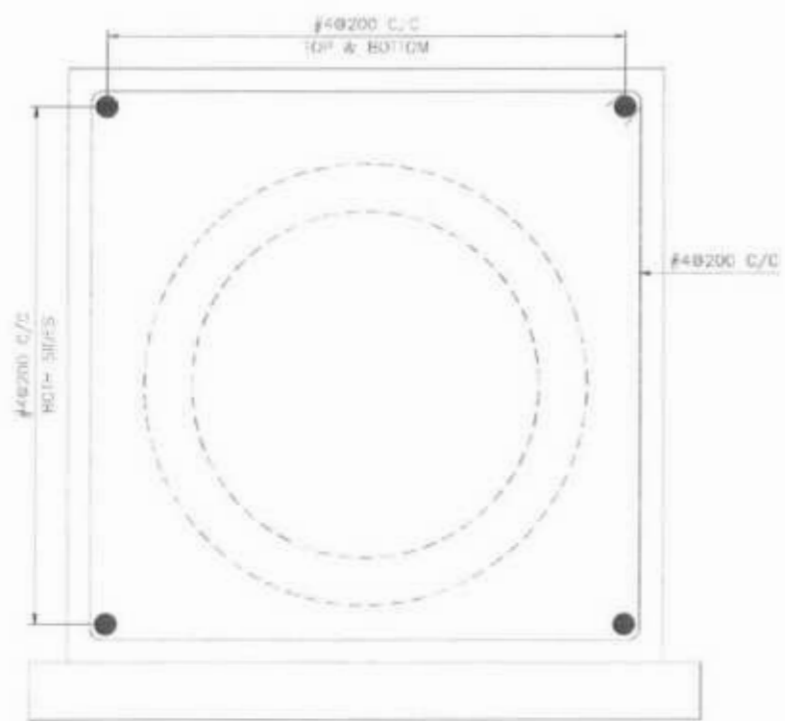
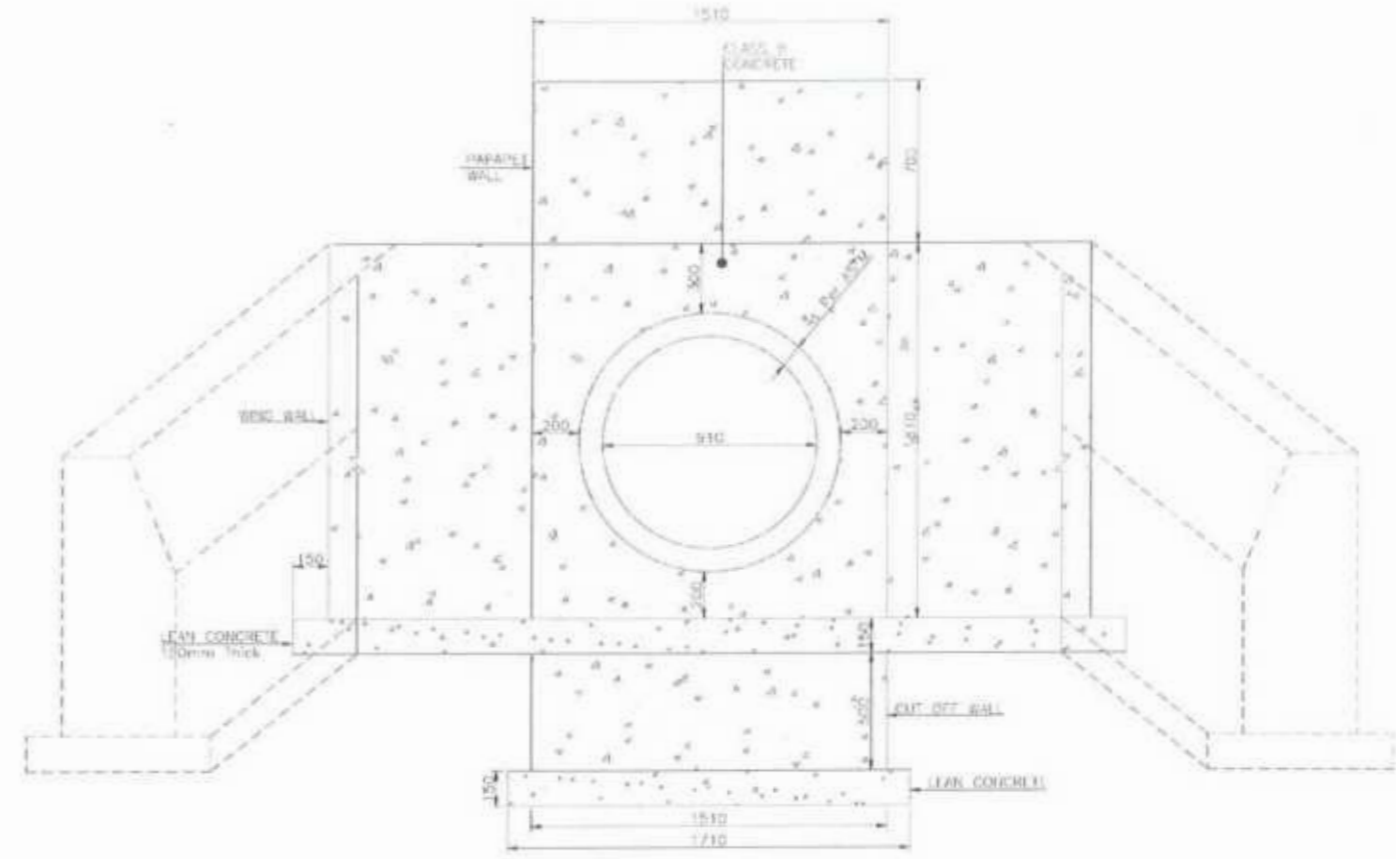
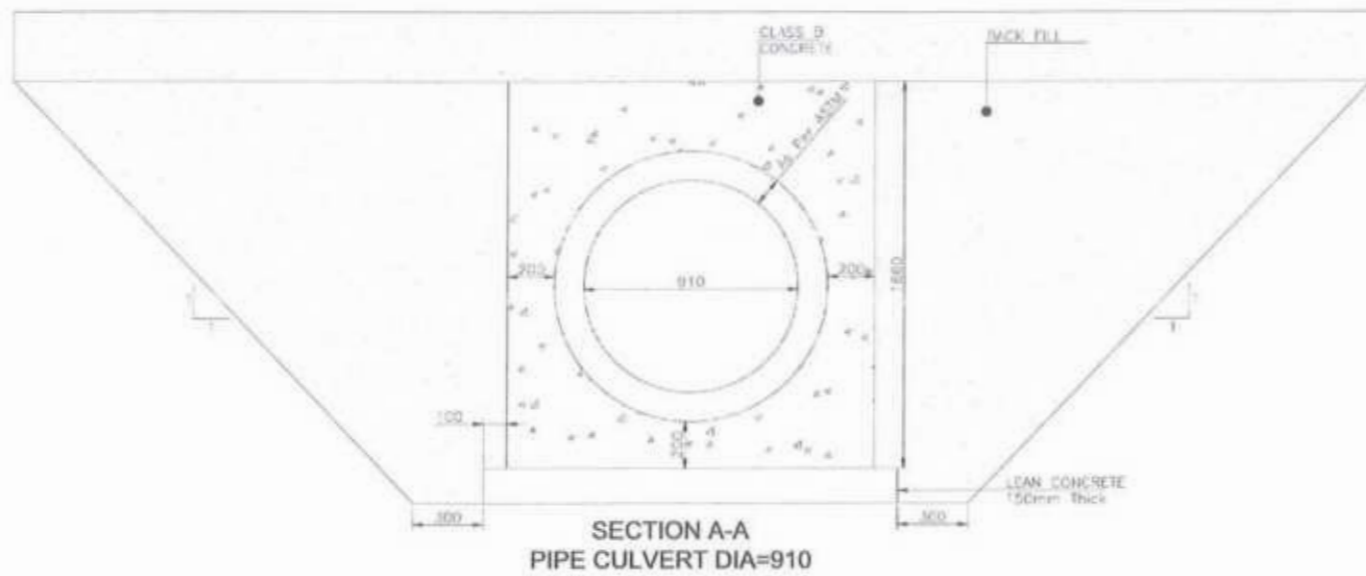
SECTION BB

[Signature]
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 Provincial Roads Improvement Project
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CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 59825-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) PACKAGE-7 LOT-1	N.T.S DATE: SEP, 2024 DWG NO: CEC/KP-RRDP/STRUC/24-01	TYPICAL PIPE CULVERT PLAN & SECTIONS



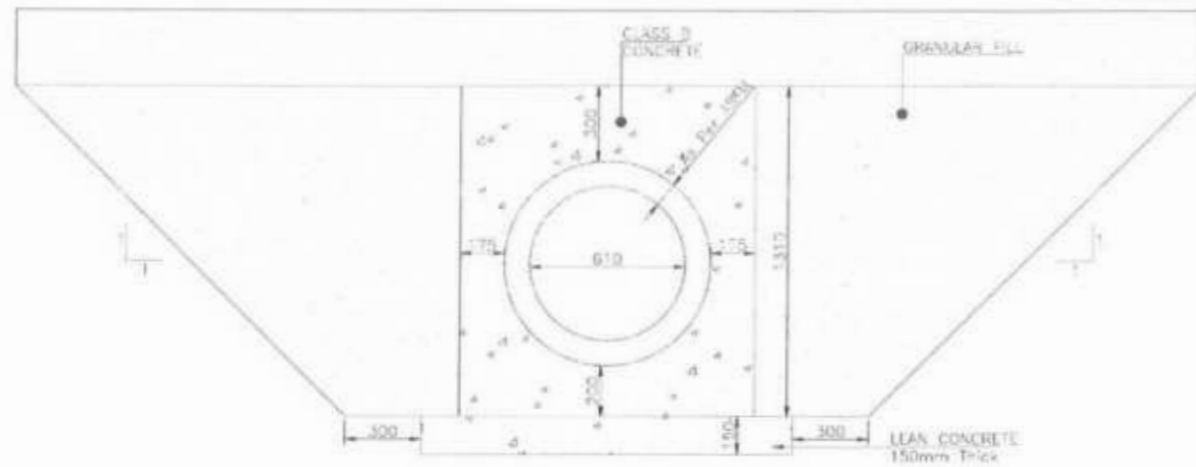
[Signature]
 Project Director (PIU)
 Provincial Roads Improvement Project
 C&W Department Peshawar.

[Signature]

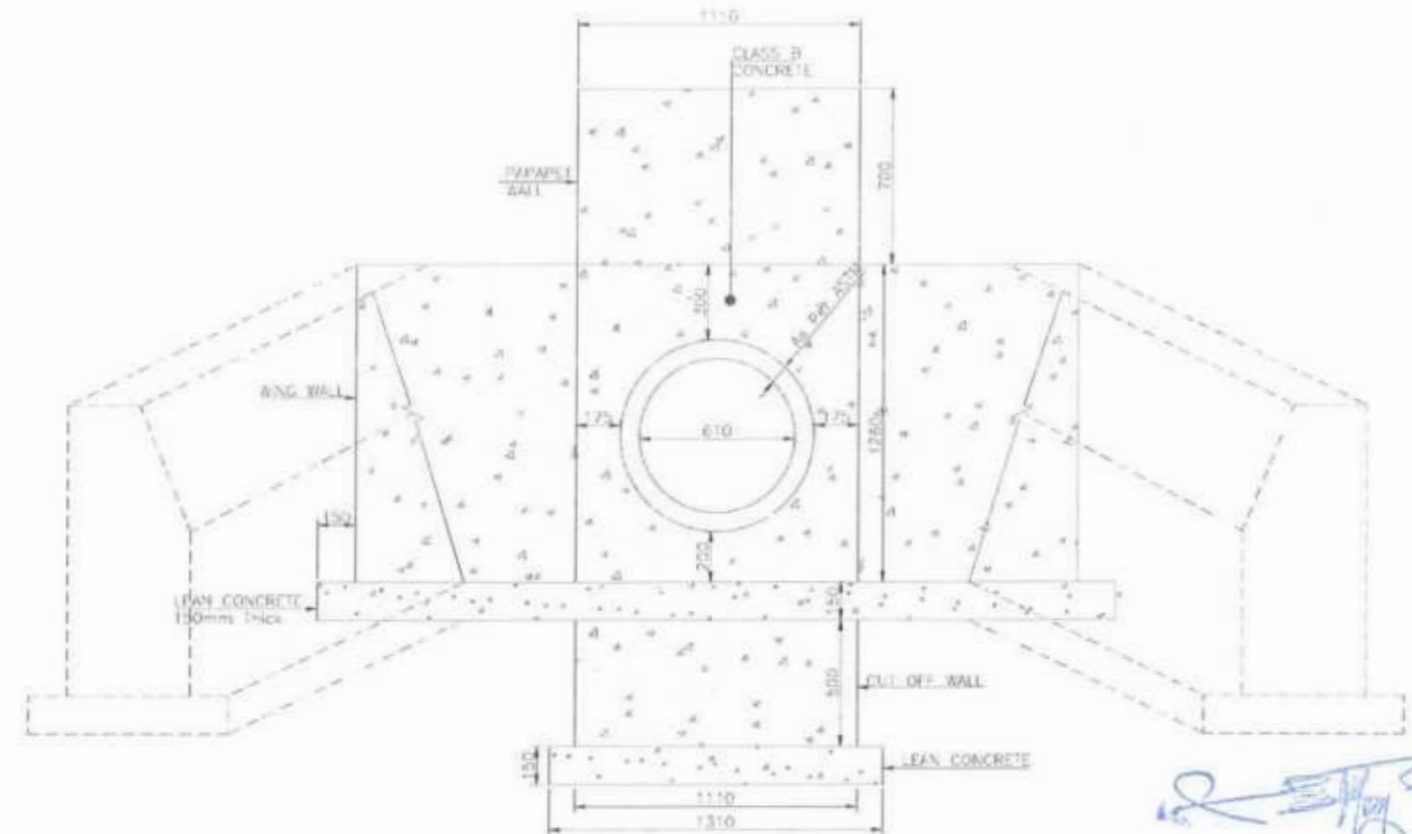


PIPE CULVERT ENCASMENT REINFORCEMENT

CLIENT GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT ROAD & BRIDGE IMPLEMENTATION UNIT (RBIU)	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:
		II	SEP, 2024	TENDER DRAWINGS	DESIGNED M.FAIZAN DRAWN MUSHTAQ CHECKED MISLAM	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7 LOT-1	N.T.S. DATE: SEP

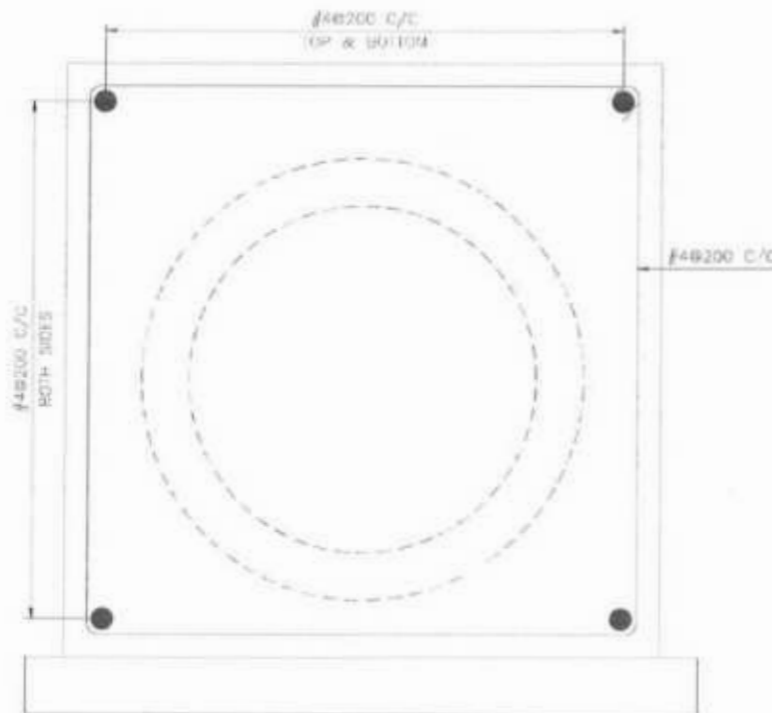


SECTION A-A
PIPE CULVERT DIA=610

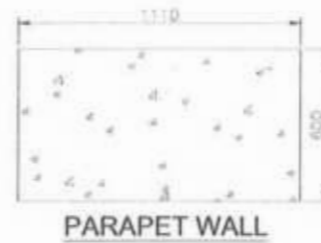


SECTION C-C PIPE CULVERT DIA=610
WITH WING WALL X-SECTION

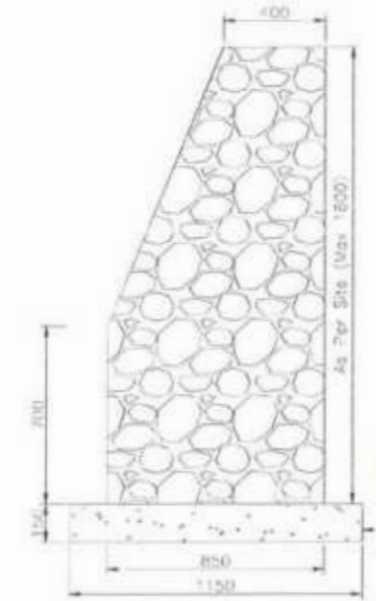
[Signature]
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Provincial Roads Improvement Project
C&W Department Peshawar.



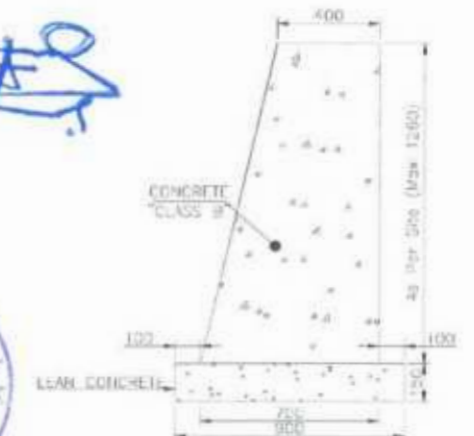
PIPE CULVERT
ENCASMENT REINFORCEMENT



PARAPET WALL



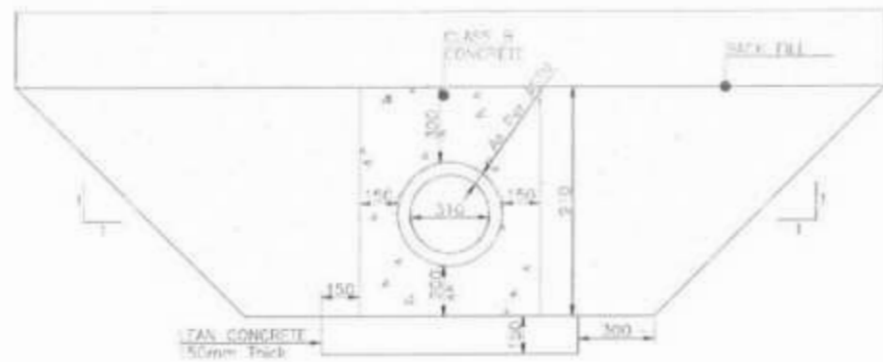
SECTION E-E
PIPE CULVERT DIA = 610mm
PLUM WALL X-SECTION



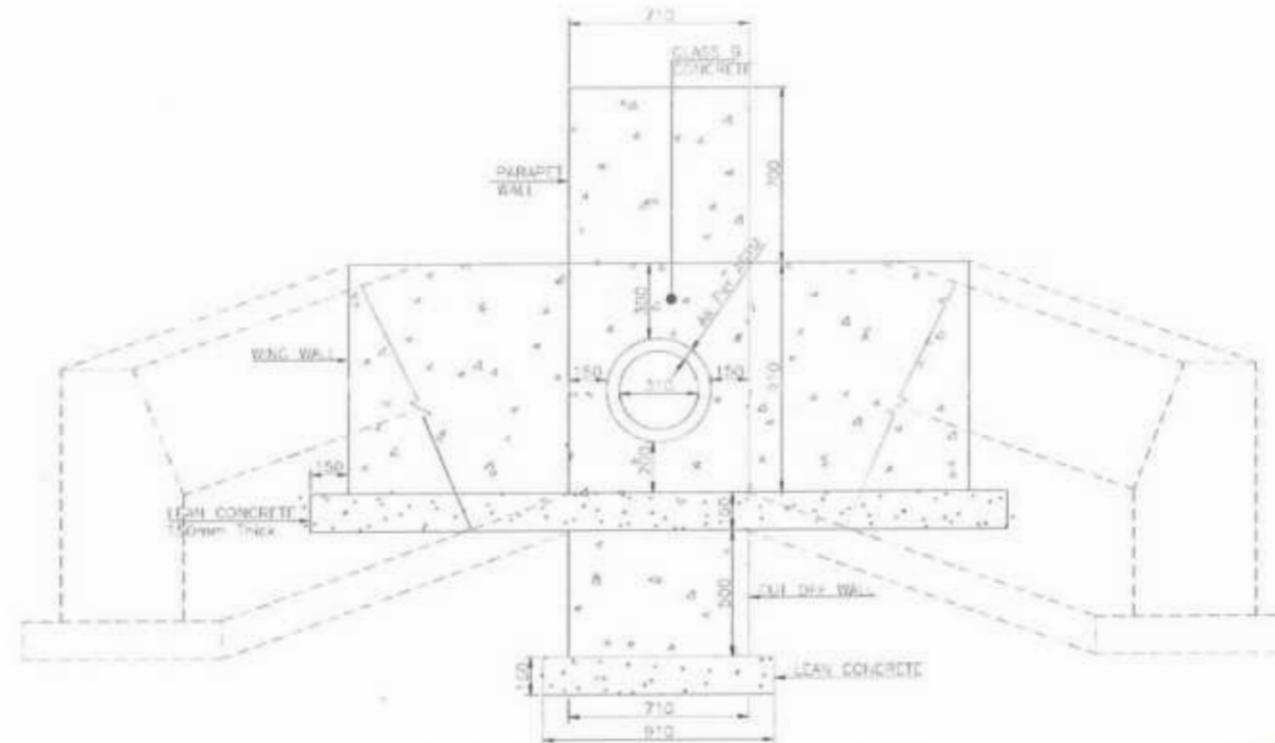
SECTION D-D
PIPE CULVERT DIA = 610mm
WING WALL X-SECTION



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>	1	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7	Ø610 mm TYPICAL PIPE CULVERT SECTION DETAILS
		2			DRAWN: MUSHTAQ		LOT-1	
		3			CHECKED: M.ISLAM			
		4						
						SCALE: N.T.S.		
						DATE: SEP,		

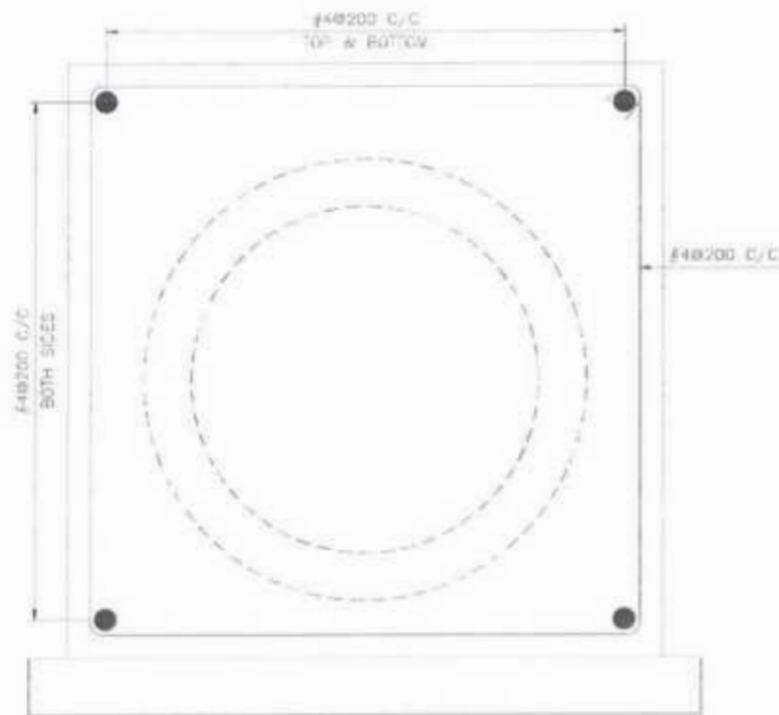


SECTION A-A
PIPE CULVERT DIA=310



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

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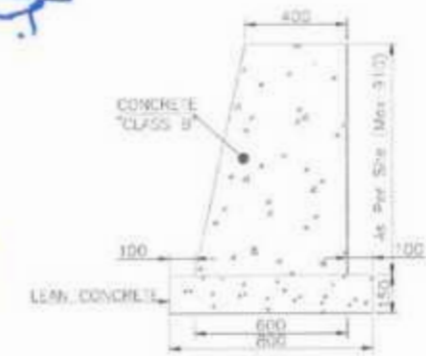
PIPE CULVERT
ENCASEMENT REINFORCEMENT



PARAPET WALL



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



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

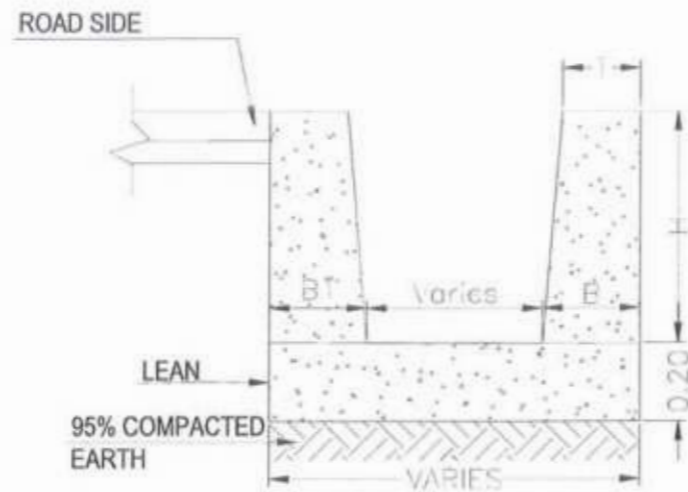
CLIENT	DESIGN CONSULTANT	REV	DATE	DESCRIPTION	NAMES	PROJECT	SCALE	SHEET CONTENT
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	SEP. 2024	TENDER DRAWINGS	DESIGNED M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-7	N.T.S
		1			DRAWN MUSHTAQ		SCALE	Ø310 mm TYPICAL PIPE CULVERT SECTION DETAILS
		2			CHECKED M.ISLAM		DATE	SEP. 2024
							LOT-1	SEP. 2024



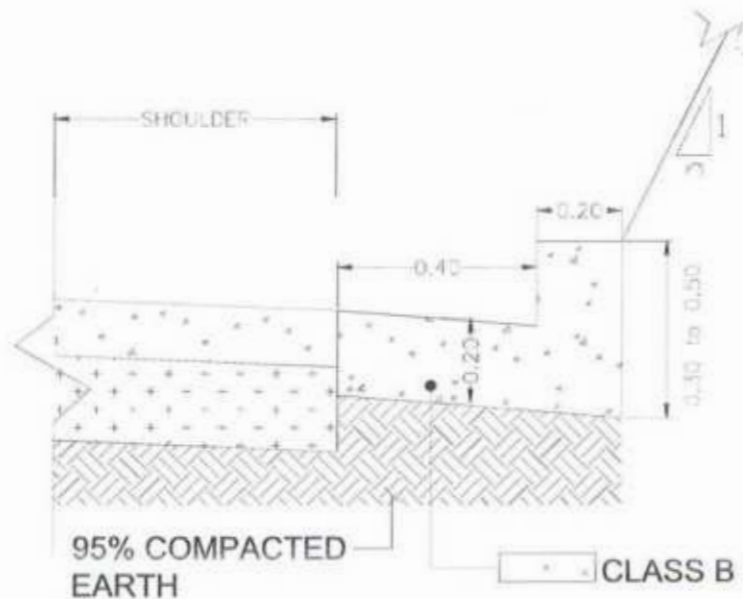
SLAB FOR NON VEHICLES



SLAB FOR VEHICLES



TYPE -I P.C.C. DRAIN



TYPE -III DRAIN

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' CONCFETE 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 CONFORNING TO AASHTO M-31 (ASTM A-615) WITH MINIMUM YIELD STRENGTH OF 4220 Kg/Sq.Cm (60,000 Psi).

[Signature]
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[Signature]



TYPE -I PCC DRAIN			
H (m)	B (m)	BI (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

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 59835-F) J.V. CREATIVE ENGINEERING</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p>	<p>REV DATE DESCRIPTION</p>	<p>NAMES:</p>	<p>PROJECT:</p>	<p>SCALE: SHEET CONTENT:</p>
		<p>0 SEP, 2024 TENDER DRAWINGS</p>	<p>DESIGNED M.FAZAN</p>	<p>KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>PACKAGE-7</p>	<p>N.T.S</p>
		<p>1</p>	<p>DRAWN MUSHTAQ</p>	<p>LOT-1</p>	<p>TYPICAL DETAILS OF ROAD SIDE DRAINS</p>	
		<p>2</p>	<p>CHECKED M.JSLAM</p>	<p>DATE: SEP:</p>		