

GOVERNMENT OF KHYBER PAKHTUNKHWA		
KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		
REHABILITATION, IMPROVEMENT AND CONSTRUCTION OF ROAD FROM SHESHA TO MADALCASHT ROAD DISTRICT CHITRAL (TOTAL LENGTH 41.60KM)(RRD-N-CHT-1)		
PACKAGE 8 LOT-3		
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	47,765,000.00
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 Road Improvement Project
 Khyber Pakhtunkhwa



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PACKAGE 8 LOT-3						
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	59,488.00			-
104	Compaction of Natural Ground.	SM	59,488.00			-
108a	Formation of Embankment from Road way excavation in common material	CM	28,195.20			-
108b (iii)	Formation of Embankment from Roadway excavation in Soft Rock Material	CM	18,796.80			-
106a / 106c	Excavate Unsuitable / Surplus Common Material	CM	112,621.00			-
106bi / di	Excavate Unsuitable / Surplus Hard Rock Material	CM	64,354.86			-
106bi / dii	Excavate Unsuitable / Surplus Medium Rock Material	CM	54,701.63			-
106biii / diii	Excavate Unsuitable / Surplus Soft Rock Material	CM	90,096.80			-
109a	Subgrade preparation in Earth Cut	SM	105,248.00			-
Total:						-



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

201	Granular Sub Base	CM	37,085.00			-
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 corage etc.complete as per drawing.	SM	203,840.00			-
SIW-15 406a	Premoulded Joint Filler 20 mm Thick with Bitumastic joint seal	M	41,600.00			-
Total:						-



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BILL # 3 (CULVERTS AND CAUSEWAYS)

107a	Structural Excavation in Common Material.	CM	2,369.00			-
401f	Lean Concrete	CM	602.00			-
401 a3ii	Concrete Class A3 (On ground)	CM	3,685.00			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	376.05			-
507 b	Rock Fill in Gabions	CM	21,750.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	37,500.00			-
501d	R.C.C. Pipe Culvert AASHTO M 170 Class II Dia 610 mm	M	150.00			-
501f	R.C.C. Pipe Culvert AASHTO M 170 Class II Dia 910 mm	M	80.00			-
502 b	Concrete Class B in Bedding and Encasement of Concrete Pipe Culvert.	CM	465.00			-
SIW-13	Providing and filling sand behind abutment of culverts and causeways	CM	6,411.00			-
Total:						-



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BILL # 4 (RETAINING WALLS AND BREAST WALL)

107a	Structural Excavation in Common Material.	CM	52,930.00			-
107e	Common Backfill	CM	10,739.00			-
401b	Concrete Class B	CM	9,987.00			-
401a1 (ii)	Concrete Class A1 (ON GROUND)	CM	930.00			-
401f	Lean Concrete	CM	10,814.00			-
SIW-8 401h	Plum Concrete (Class 'B' with 40% Boulders/ Rock) as per drawing & Engineer's Instructions	CM	131,402.00			-
Total:						-



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BILL # 4a (CONSTRUCTION OF RCC BRIDGES)

407i	Pile Load Tests to 2 times the design load	Each	4.00			-
SIW 7 (Item 407)	Exploratory/Confirmatory Boring and Soil testing, including soil investigation report					-
SIW 7 a	Exploratory/Confirmatory Boring	M	180.00			-
SIW 7 b	Soil testing, / investigation report	L.Sum	4.00			-
407d	Cast-in-place, Reinforced Concrete Cylindrical Piles dia 1200 mm	M	1,300.00			-
107a	Structural Excavation in Common Material.	CM	2,005.08			-
401f	Lean Concrete	CM	202.97			-
401a3 (ii)	Concrete Class 'A 3' (ON GROUND)	CM	1,778.31			-
404b	Reinforcement as per AASHTO M 31 Grade 60	Ton	640.67			-
SIW-13	Providing and filling sand behind abutment of bridges	CM	5,548.80			-
406 e	Elastomeric Bearing Pads & as per approved drawing	Cu.cm	316,800.00			-
401 d ii	Concrete Class 'D 2'	CM	249.22			-
SIW 4 405b	Launching of Girders in place including lifting, handling and temporary works	M	300.00			-
SIW-5	Galvanized Iron Drain Pipe, 75 mm Diameter	Each	64.00			-
401a3 (iii)	Concrete Class 'A 3' (ELEVATED) (Deck Slab, Diaphragm, Walkway and Barrier)	CM	584.15			-
SIW 12 406c	Supply and place in position expansion joint assemblies as specified & as per approved drawing	M	74.40			-
SIW 4 405a	Pressing high tensile steel including stressing, Anchorages, Assemblies, Grouting and Stressing Complete in P.D. contract	KG	9,974.02			-
SIW-6	PVC Pipe sched. 40 200 mm Dia. for Services.	M	560.00			-
Total:						-



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BILL # 5 (DRAINAGE AND ANTI EROSION WORK)

107a	Structural Excavation in Common Material.	CM	8,283.00			-
107e	Common Backfill	CM	7,673.00			-
401b	Concrete Class B	CM	10,436.00			-
401a1ii	Concrete Class A1 (ON GROUND)	CM	180.00			-
404 b	Reinforcement as per AASHTO M 31 Grade 60	Ton	18.37			-
507 b	Rock Fill in Gabions	CM	39,150.00			-
SIW-17 507 a	Steel Wire Mesh for Gabion	SM	67,500.00			-
401f	Lean Concrete	CM	2,678.00			-
Total:						-



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BILL # 6 (ANCILLARY WORKS)

610 c	Kilometer Post	EACH	42.00			-
607 a	Traffic Road Signs Category 1 Size 75 CM	EACH	24.00			-
607 b	Traffic Road Signs Category 2 Size dia 75 CM	EACH	16.00			-
607c	Traffic Road Signs Category 3 (a)	EACH	12.00			-
607 d	Traffic Road Signs Category 3 (b)	EACH	8.00			-
608 h	Pavement Marking in reflective TP paint for line of 15 cm width.	M	87,360.00			-
609 a	Reflectorised Pavement Stud (Flush Surface Type Single)	EACH	8,320.00			-
604 a	Metal Guard Rail	M	8,100.00			-
604 b	Guard Rail End pieces	EACH	120.00			-
604 d	Steel Post for Guard Rail	EACH	2,700.00			-
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	47,765,000.00			47,765,000.00
Total:						47,765,000.00

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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Provincial Road Improvement Project
CSW Department Peshawar

PROJECT:

KHYBER PAKHTUNKHWA
RURAL ROAD DEVELOPMENT PROJECT
(KP-RRDP)

TENDER DRAWINGS

N-CHT-1
SHESHA TO MADALCASHT

AUGUST, 2024



Project Director (PIU)
Provincial Road Improvement Project
PRM Department Peshawar




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





MINCONSULT SDN BHD
(Company No : 58835-P)



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

SR.NO	TITLE	DWG NO.	SR.NO	TITLE	DWG NO.
1	TITLE PAGE		27	TYPICAL DETAILS OF ROAD SIDE DRAINS	CEC/KP-RRDP/STR/N-CHT-1/STR-06
			28	Ø910mm PIPE CULVERT	CEC/KP-RRDP/STR/N-CHT-1/STR-07(a-b)
2	LIST OF DRAWINGS	CEC/HW/KP-RRDP/N-CHT-1/LD-01	29	TYPICAL CAUSEWAY	CEC/KP-RRDP/STR/N-CHT-1/STR-08(a-c)
3	PROJECT LOCATION MAP		30	BRIDGE	
4	GENERAL & TYPICAL DRAWINGS				
5	SYMBOLS & ABBREVIATIONS	CEC/KP-RRDP/HW/N-CHT-1/SA-03(a&b)			 Project Director (PIU) Provincial Road Improvement Project C&W Department Peshawar
6	GENERAL NOTES FOR ROAD CONSTRUCTION	CEC/KP-RRDP/HW/N-CHT-1/GN-04			
7	TYPICAL MINOR ROAD JUNCTION	CEC/KP-RRDP/HW/N-CHT-1/MJD-05(a-b)			
8	TYPICAL SUPER ELEVATION DETAILS	CEC/KP-RRDP/HW/N-CHT-1/SE-06			
9	TRAFFIC SIGNS DETAILS	CEC/KP-RRDP/HW/N-CHT-1/TSD-07(a-g)			
10	PAVEMENT MARKING DETAILS	CEC/KP-RRDP/HW/N-CHT-1/PM-08			
11	KILOMETER POST DETAILS	CEC/KP-RRDP/HW/N-CHT-1/KM-09			
12	GUARD RAIL DETAILS	CEC/KP-RRDP/HW/N-CHT-1/GR-10			
13	TYPICAL CROSS SECTIONS				
14	TYPICAL CROSS SECTIONS	CEC/KP-RRDP/HW/N-CHT-1/TCS-01			
15	CENTER LINE DATA				
16	CENTER LINE DATA	CEC/KP-RRDP/HW/N-CHT-1/CL-01-14			
17	HORIZONTAL CURVE DATA				
18	HORIZONTAL CURVE DATA	CEC/KP-RRDP/HW/N-CHT-1/HCD-01-32			
19	LIST OF BENCH MARKS	CEC/KP-RRDP/HW/N-CHT-1/BM-01			
20	LIST OF STRUCTURE INVENTORY	CEC/KP-RRDP/HW/N-CHT-1/CVT-01-04			
21	PLAN & PROFILE DRAWINGS				
22	PLAN & PROFILE DRAWINGS	CEC/KP-RRDP/HW/N-CHT-1/P&P-00-00			
23	STRUCTURAL DRAWINGS				
24	TYPICAL BOX CULVERT	CEC/KP-RRDP/STR/N-CHT-1/STR-(01-03)			
25	REINFORCEMENT DETAIL OF APPRON & WING WALL	CEC/KP-RRDP/STR/N-CHT-1/STR-04			
26	TYPICAL PLUM CONCRETE RETAINING WALL	CEC/KP-RRDP/STR/N-CHT-1/STR-05			



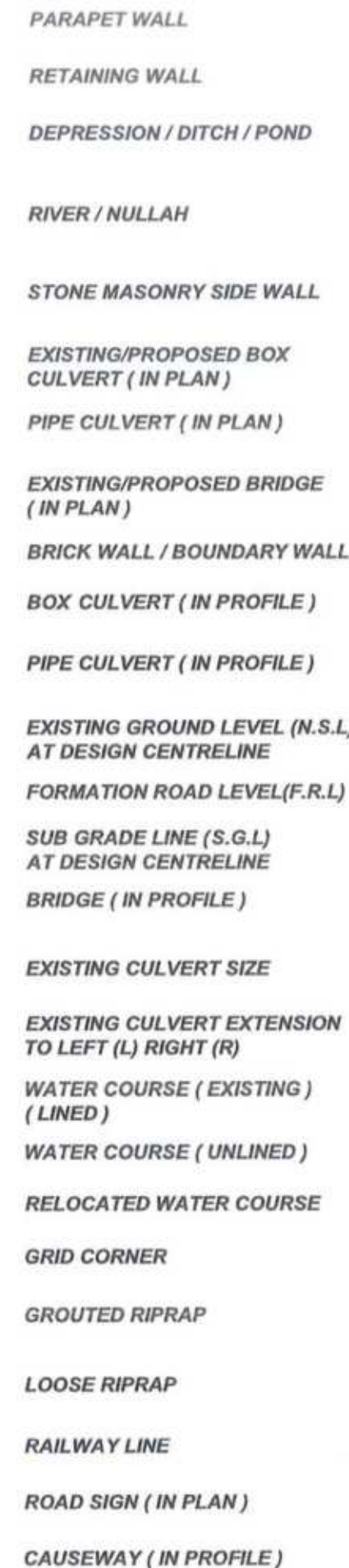
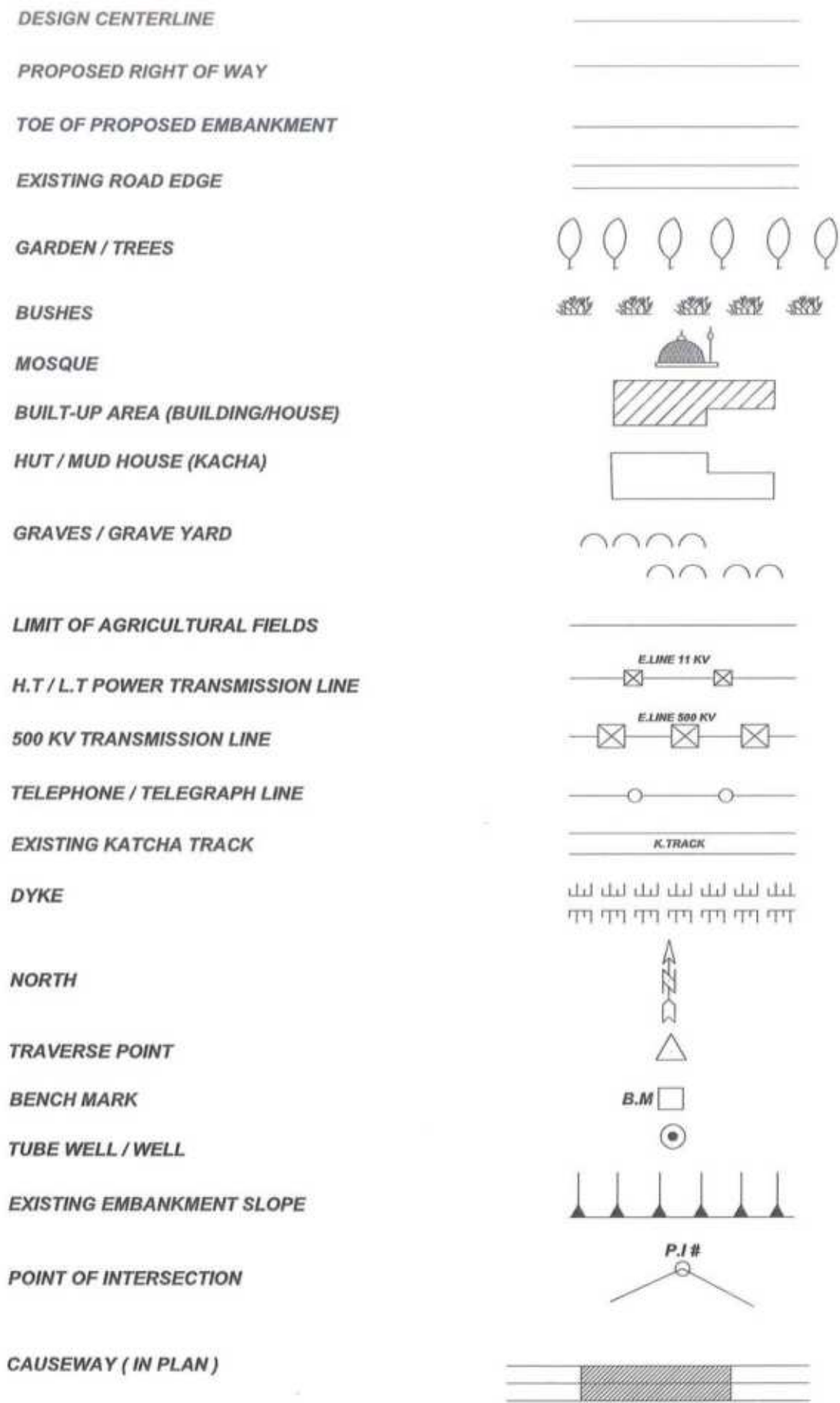
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 59835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	LIST OF DRAWINGS	
		a			DRAWN	MANSOOR DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		FLOOD AFFECTED ROAD
		b			CHECKED	SHAHZAD DURRANI	AUG, 2024			
		-			APPROVED	AQEEL YOUNIS				



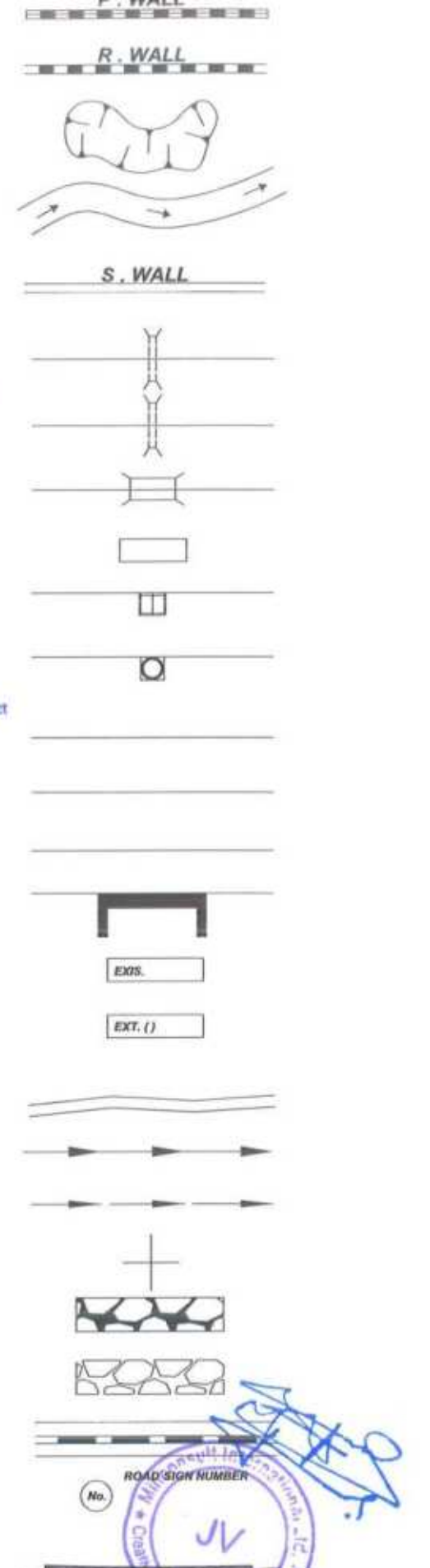
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar

GENERAL & TYPICAL DRAWINGS





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



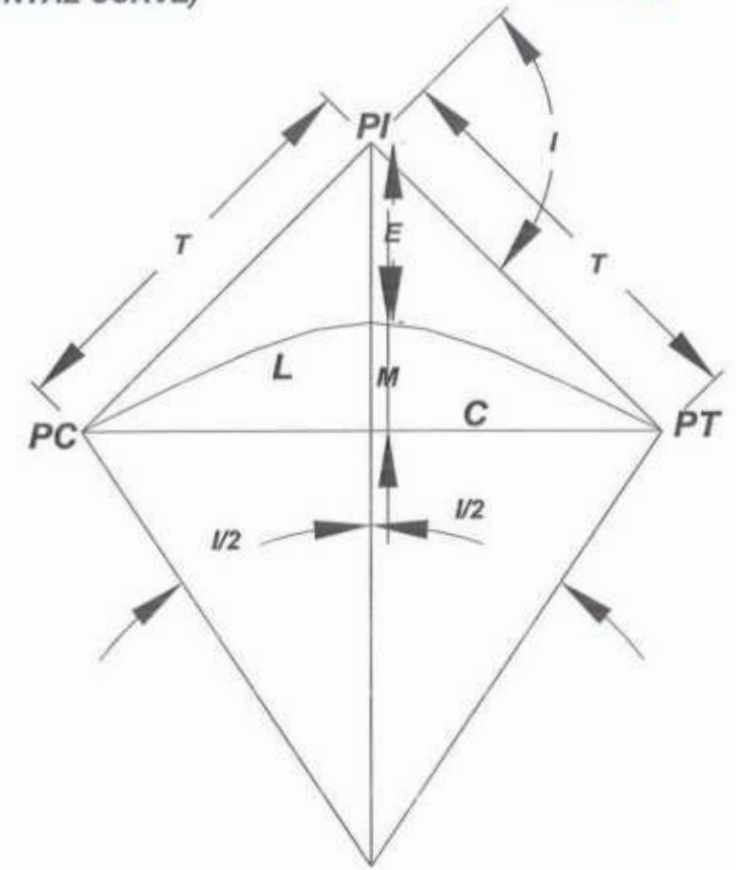
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 50835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT			
		0	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED			MANSOOR DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S
		a			DRAWN			MANSOOR DURRANI				DATE:
		b			CHECKED			SHAHZAD DURRANI				AUG, 2024.
c			APPROVED	AGEEL YOUNIS	FLOOD AFFECTED ROAD							

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

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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	<p>N-CHT-1 SHESHA TO MADALCASHT</p>	N.T.S	SYMBOLS & ABBREVIATOIN	
		1			DRAWN	MANSOOR DURRANI		<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>		DATE:
		2			CHECKED	SHAHZAD DURRANI				AUG,

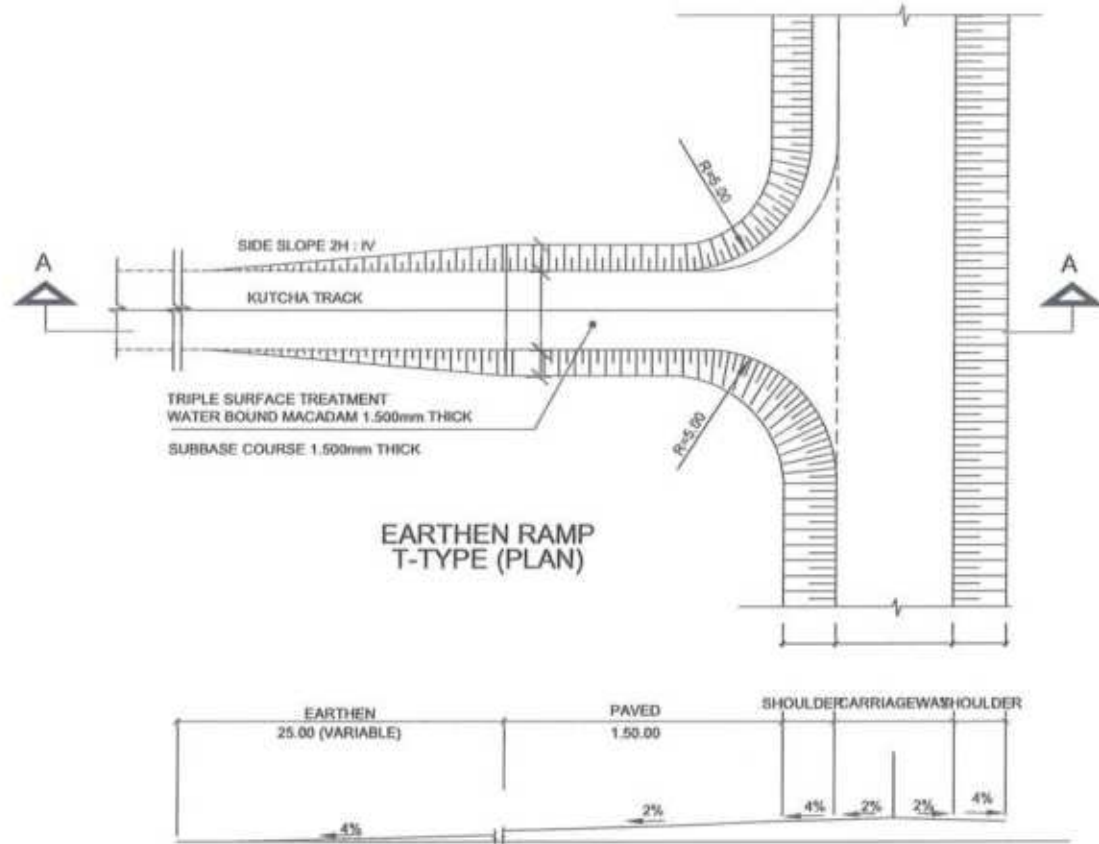
GENERAL NOTES FOR ROAD CONSTRUCTION

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)
Provincial Road Improvement Project
C&W Department Peshawar

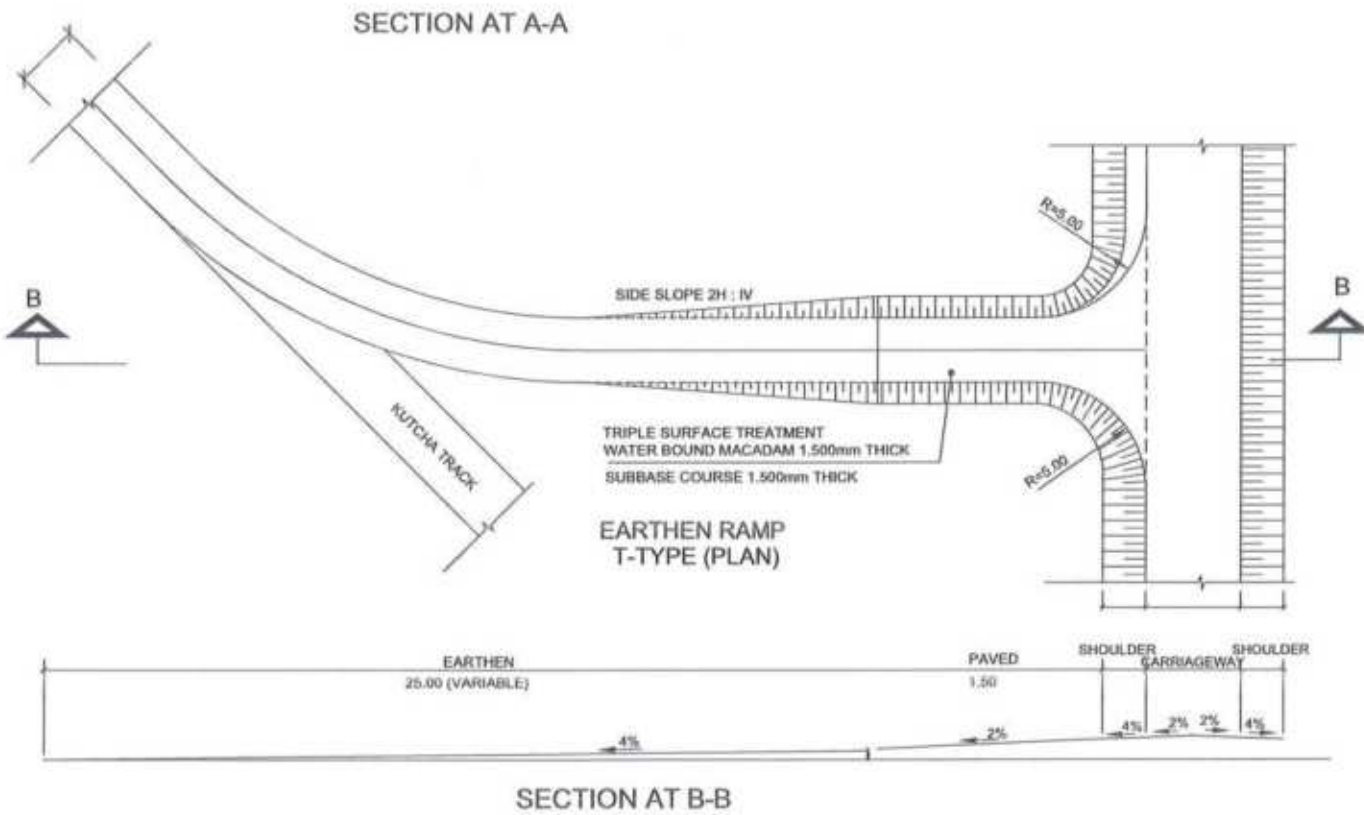
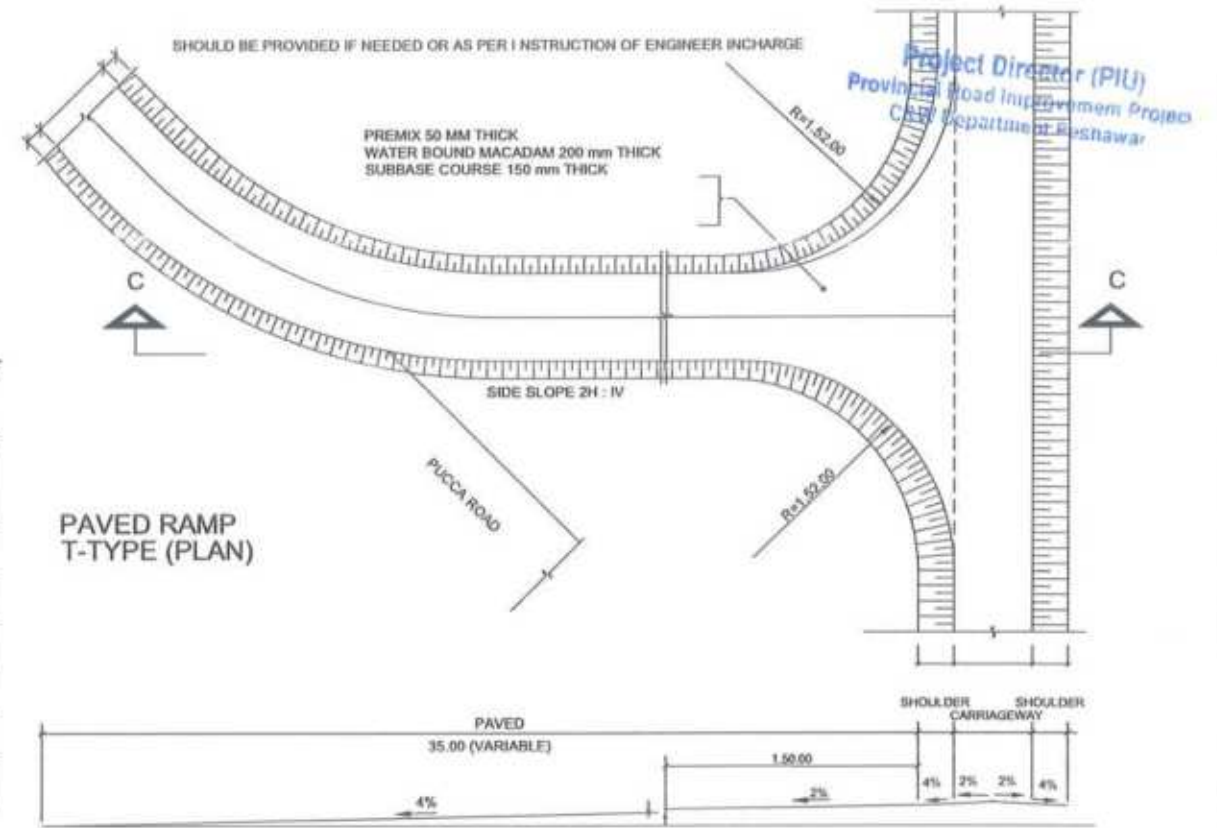
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT	
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	 MINCONSULT SDN BHD <small>(COMPANY NO. 58835-P)</small> J.V. CREATIVE ENGINEERING	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	N-CHT-1 SHESHA TO MADALCASHT <small>FLOOD AFFECTED ROAD</small>	N.T.S	 GENERAL NOTES FOR ROAD CONSTRUCTION	
		1			DRAWN	MANSOOR DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		2			CHECKED	SHAHZAD DURRANI				AUG.

MINOR JUNCTION DETAIL

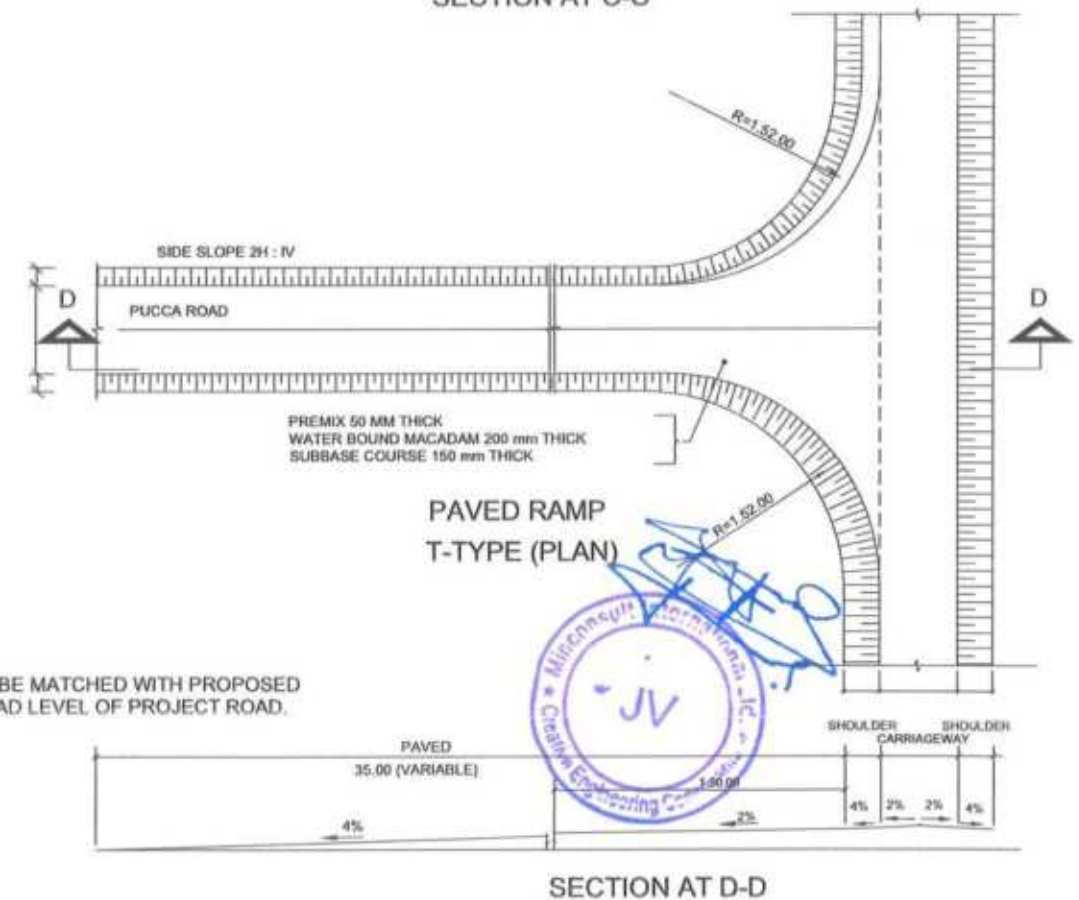


RECOMMENDED CURVE RADII FOR DIFFERENT ANGLES OF TURN

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. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.5	MINOR JUNCTION DETAILS
		c			DRAWN MANSOOR DURRANI				
		b			CHECKED SHAHZAD DURRANI				
								DATE: AUG,	

MINOR JUNCTION DETAIL

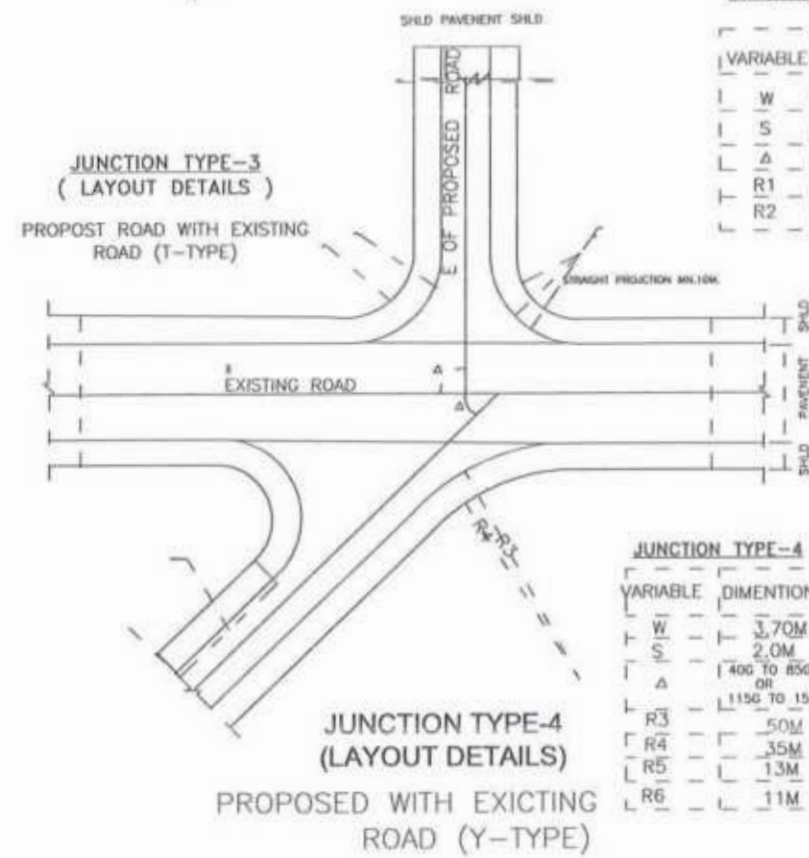
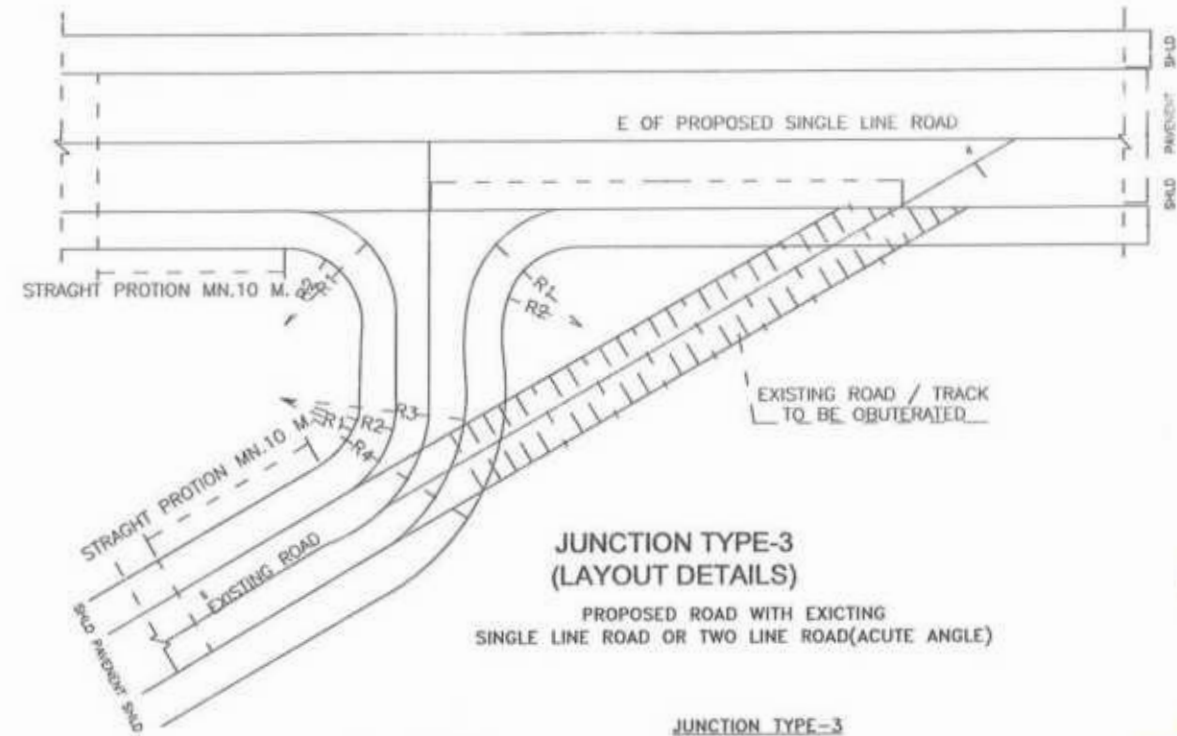
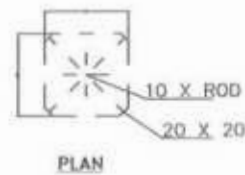
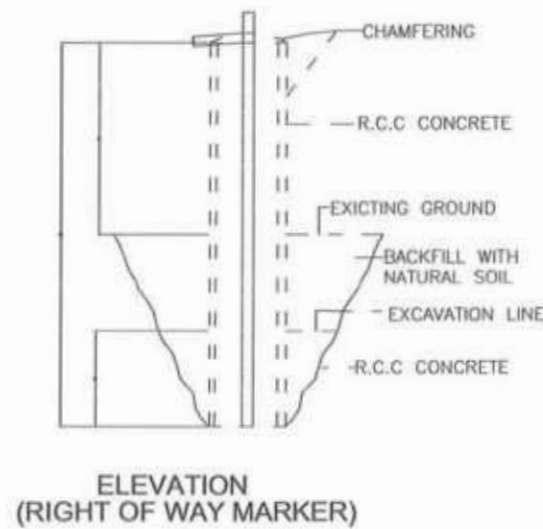
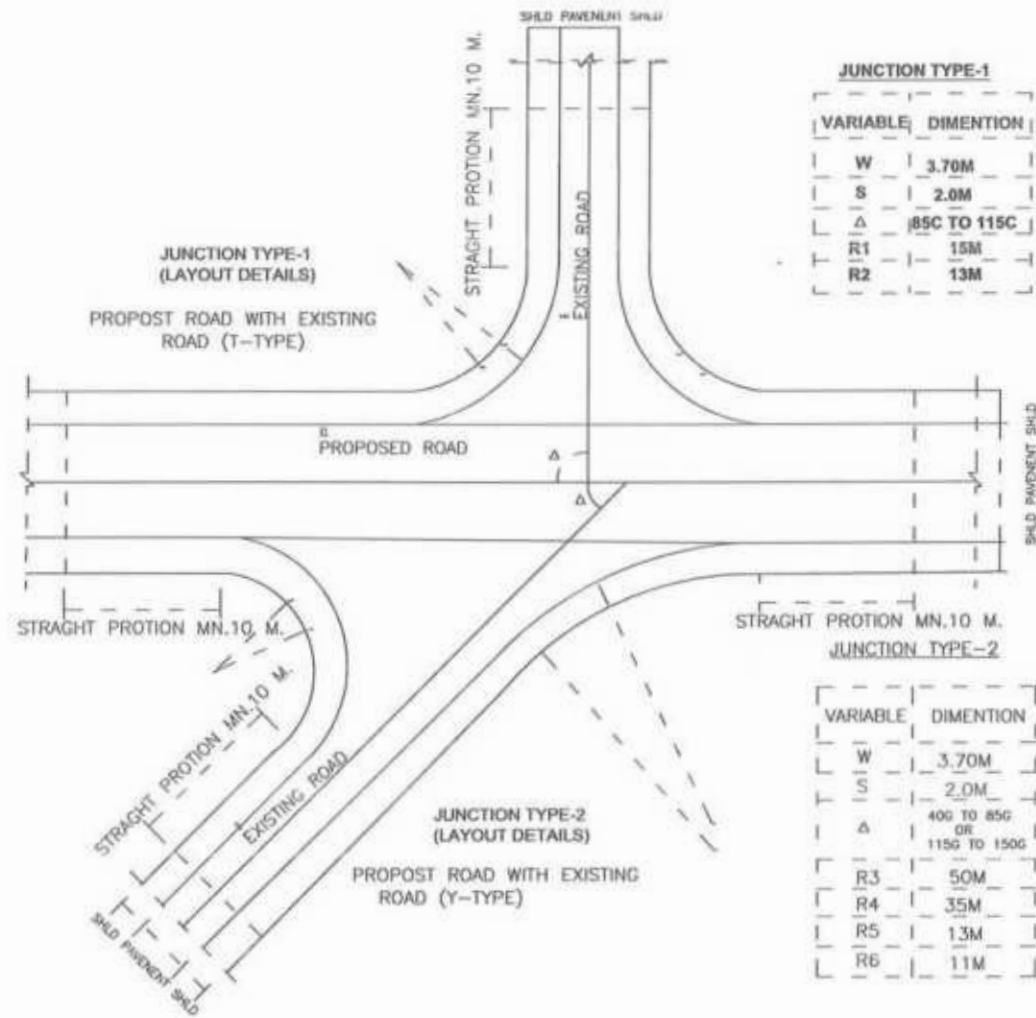


TABLE NO.5 APPLICABLE WHEN
1 <50G OR >150G
(JUNCTION WITH 2 LINE
ROAD)(2) 400 OR 1600)
(JUNCTION WITH SINGLE ROAD)

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

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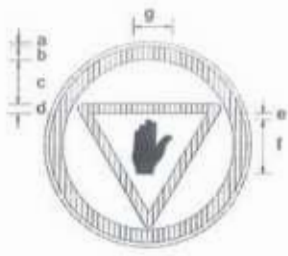
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NOTES :

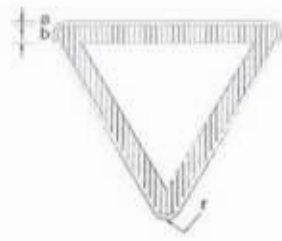
- EXISTING ROAD TO BE DISMANTLED WHERE IT MEETS PROPOSED ROAD AT THE JUNCTION LOCATION ONLY AND WILL BE RECONSTRUCTED ACCORDING TO JUNCTION DETAIL AND LIMITS.
- ON JUNCTION MIN. 10 METER STRAIGHT PORTION SHOULD BE PROVIDED.
- RAD# SHOWN ARE TYPICAL AND MAY BE ADJUSTED AS PER SITE CONDITIONS AS APPROVED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

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 56835-P) J.V. CREATIVE ENGINEERING	REV 0 a b	DATE AUG. 2024	DESCRIPTION TENDER DRAWINGS	NAMES: G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S	SHEET CONTENT: MINOR JUNCTION DETAILS
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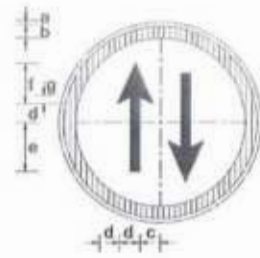
STOP SIGN
R-1
DIMENSIONS (cm)

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



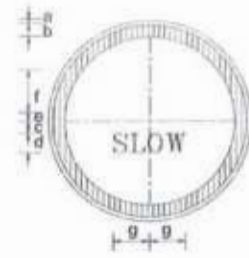
GIVE WAY SIGN
R-2
DIMENSIONS (cm)

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



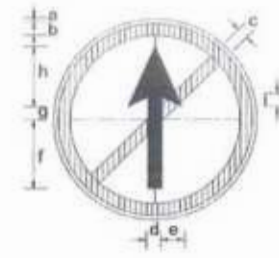
PRIORITY ROAD SIGN R-3
DIMENSIONS (cm)

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



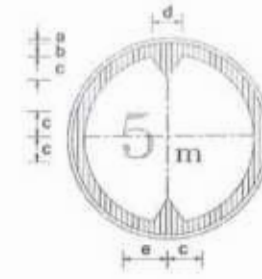
SLOW SIGN R-4
DIMENSIONS (cm)

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



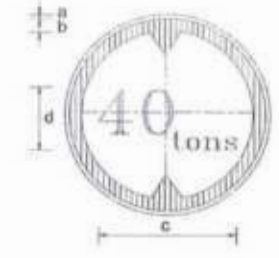
NO ENTRY SIGN R-6
DIMENSIONS (cm)

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



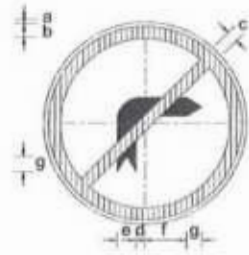
HEIGHT LIMIT SIGN R-16
DIMENSIONS (cm)

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



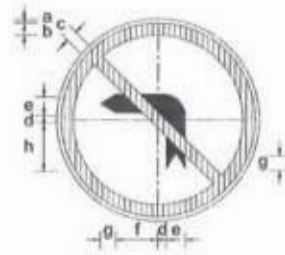
GROSS WEIGHT LIMIT SIGN P-18
DIMENSIONS (cm)

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



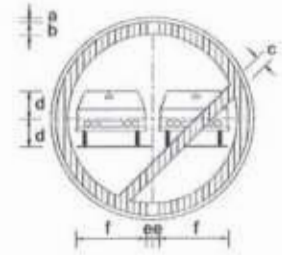
NO RIGHT TURN SIGN R-20
DIMENSIONS (cm)

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



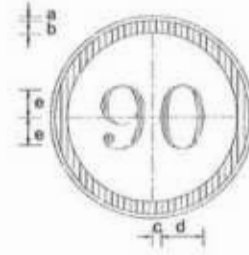
NO LEFT TURN SIGN R-21
DIMENSIONS (cm)

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



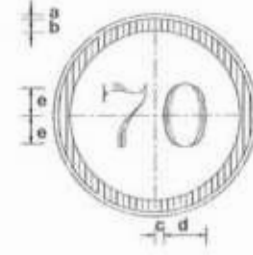
OVERTAKING PROHIBITED SIGN R-23
DIMENSIONS (cm)

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



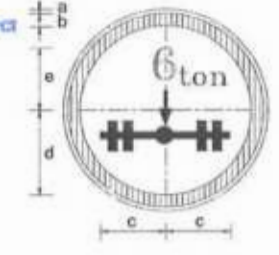
SPEED LIMIT SIGN R-25-2
DIMENSIONS (cm)

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



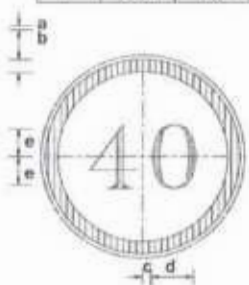
SPEED LIMIT SIGN R-25-3
DIMENSIONS (cm)

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



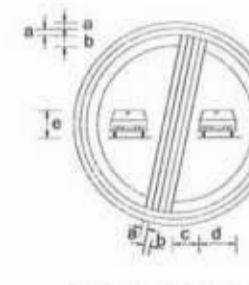
POLICE CHECK POST SIGN R-27
DIMENSIONS (cm)

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



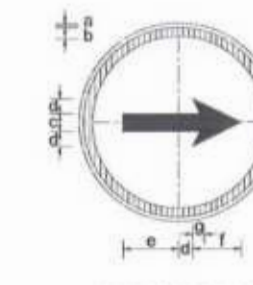
CUSTOM CHECK SIGN R-28
DIMENSIONS (cm)

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



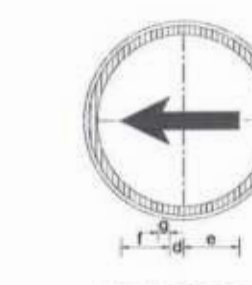
END OF OVERTAKING RESTRICTION SIGN R-31
DIMENSIONS (cm)

PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	1.7	2.6
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)

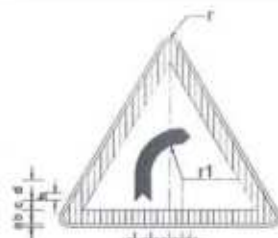
PARTS	SIGN SIZE	
	90cm	105cm
a	1.0	1.2
b	4.0	4.7
c	8.0	9.3
d	9.0	10.5
e	32.0	37.3
f	23.0	26.8
g	4.5	5.2

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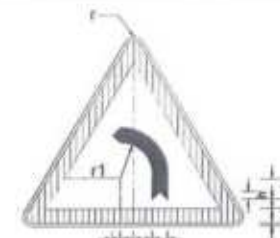
- NOTES:
- 1 - For Sign Locations Refer To Plan Sheets.
 - 2 - Final Location To Be Decide By The Engineer As Per Site.
 - 3 - Some Of The Sign Faces As Shown Are Reversible And The Actual Face Detail Shall Be Identified Prior To Placing Any
 - 4 - All Signs To Have High Intensity Reflective Sheatings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

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT R&D UNIT	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING (CONSULTANTS) (PVT) LTD.	REV: 0 DATE: AUG, 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT FLY OVER AFFECTED ROAD	SCALE: SHEET CONTENT: TRAFFIC SIGNS DETAILS
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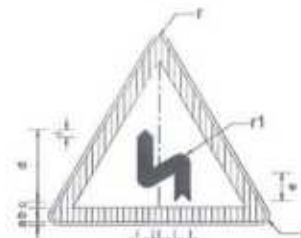
CURVE TOWARDS RIGHT
W-1

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



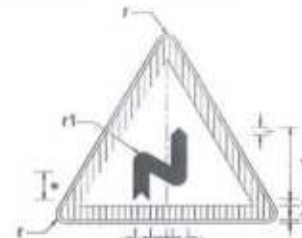
CURVE TOWARDS LEFT
W-2

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



LEFT REVERSE CURVE
W-3

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



RIGHT REVERSE CURVE
W-4

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



UP-GRADE
W-5

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

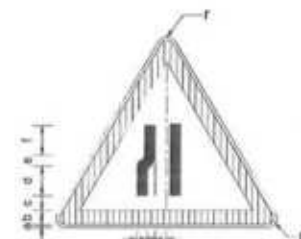


DOWN-GRADE
W-6

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

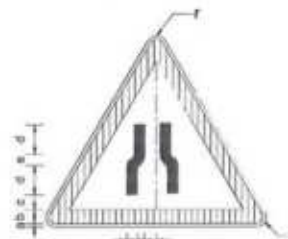
[Handwritten signature]

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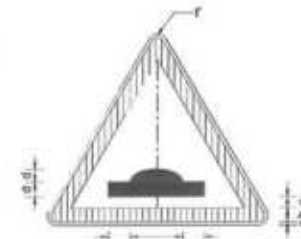
LANE ENDS
W-7

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	15.3
e	7.2	8.4
f	11.3	13.2
g	3.5	4.1
h	33.0	5.8



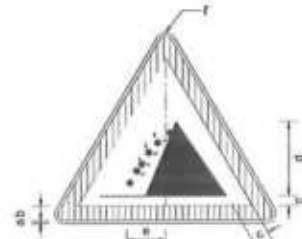
CARRIAGE WAY
NARROWS
W-8

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



HUMP SIGN
W-12

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



FALLING ROCK
W-16

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



PEDESTRIAN CROSSING
W-17

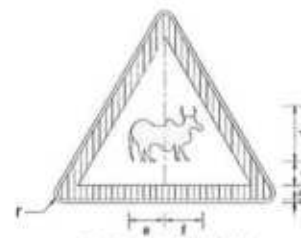
PARTS	SIGN SIZE	
	90cm	105cm
r	2.9	3.5
a	0.8	1.0
b	5.4	6.5
c	2.1	2.5
d	35.8	43.0
e	19.2	23.0



CHILDREN CROSSING
W-18

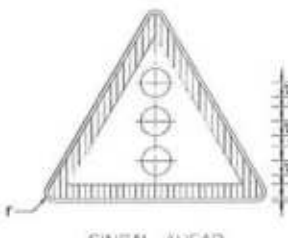
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	4.5	5.3
d	28.5	33.3
e	37.5	43.8

[Handwritten signature]



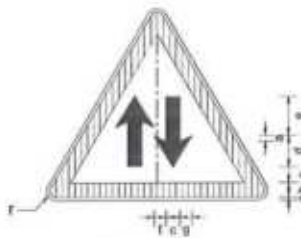
CATTLE CROSSING
W-20

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



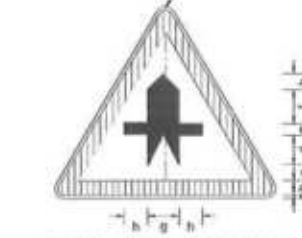
SINGLE AHEAD
W-23

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



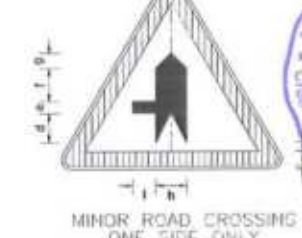
TWO WAY
W-26

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



MINOR ROAD CROSSING
AT RIGHT ANGLE
W-27

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



MINOR ROAD CROSSING
ONE SIDE ONLY
W-29

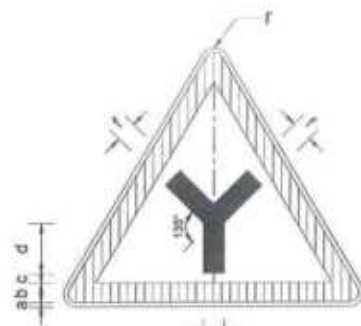
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.5	15.8
e	5.5	6.4
f	15.0	17.5
g	7.0	8.2
h	14.0	16.3
i	10.5	12.3



MINOR ROAD CROSSING
ONE SIDE ONLY
W-29A

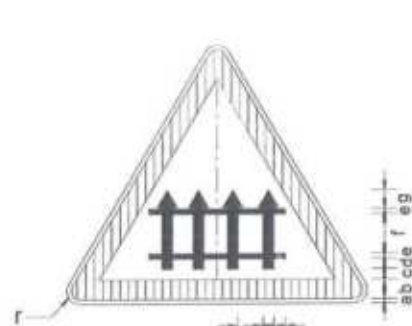
PARTS	SIGN SIZE	
	90cm	105cm
r	3.5	4.1
a	1.0	1.2
b	6.5	7.6
c	3.0	3.5
d	13.5	15.8
e	5.5	6.4
f	15.0	17.5
g	7.0	8.2
h	14.0	16.3
i	10.5	12.3

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT RURAL ROAD DEVELOPMENT UNIT (RRDU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (PVT) LTD.</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S DATE: AUG,	TRAFFIC SIGNS DETAILS
		1			DRAWN	MANSOOR DURRANI				
		2			CHECKED	SHAHZAD DURRANI				



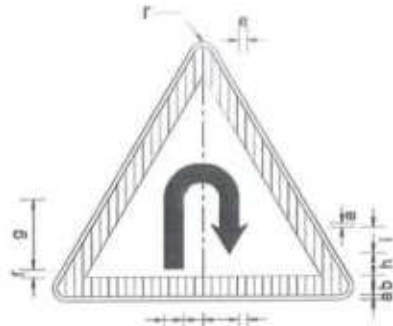
JUNCTION SIGN
W-31

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



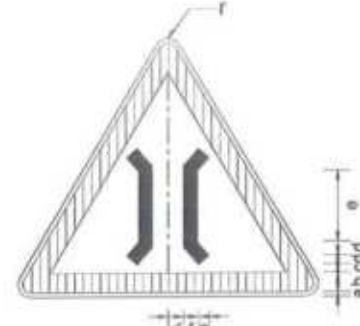
LEVEL CROSSING
WITH GATES
W-33

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



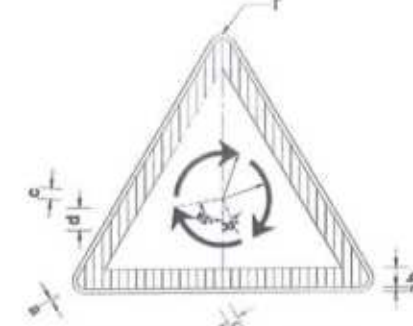
U-TURN
W-34

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



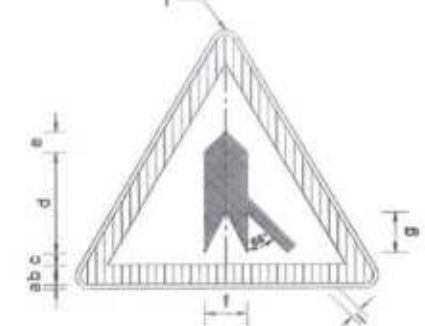
NARROW BRIDGE
W-35

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

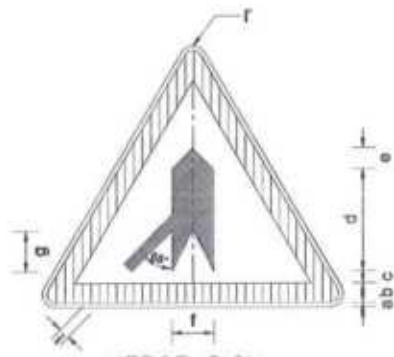


MERGE SIGN
W-37

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

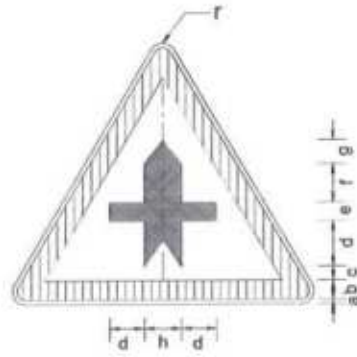
[Handwritten signature]

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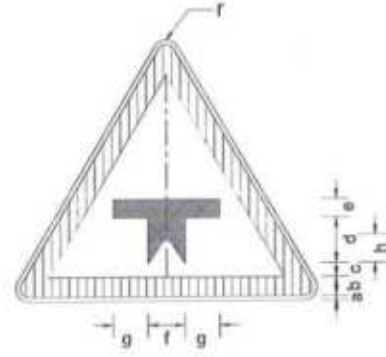
MERGE SIGN
W-37A

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



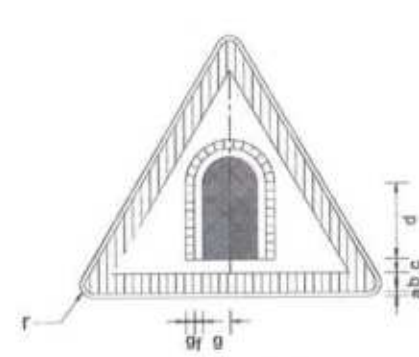
MAJOR ROAD AHEAD
W-38

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



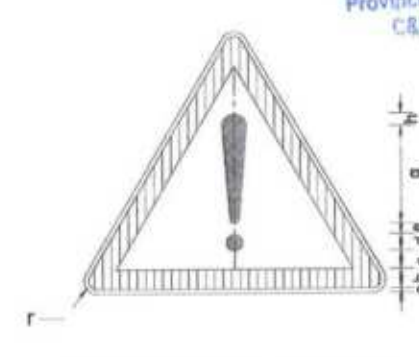
MAJOR ROAD AHEAD
W-39

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



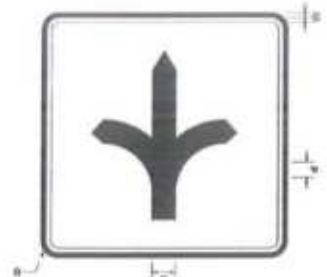
OTHER DANGER WARNING
W-40

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

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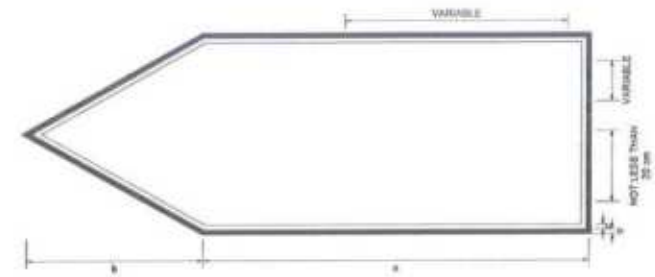


CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT R/O ROAD AFFECTED ROAD	N.T.S AUG.	TRAFFIC SIGNS DETAILS



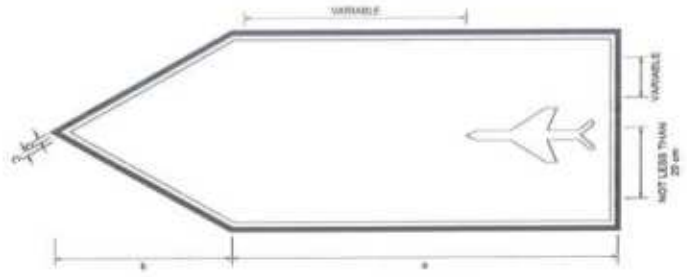
DESTINATION SIGN
I-1

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



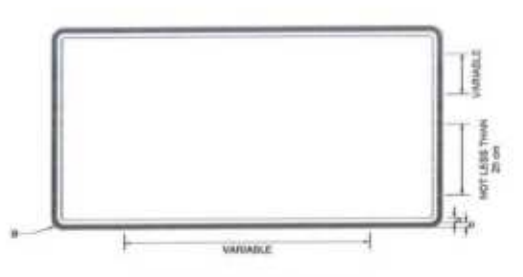
DIRECTION SIGN
I-3

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



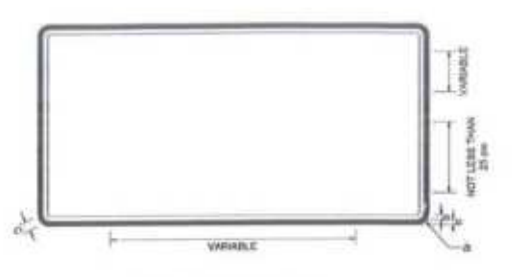
DIRECTION SIGN
I-4

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



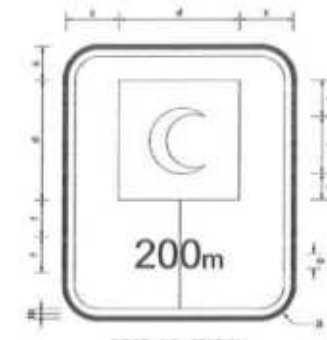
BEGINNING OF MUNICIPAL LIMIT
I-5

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



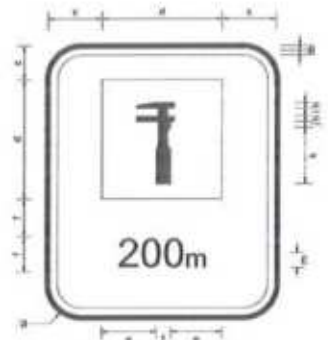
END OF MUNICIPAL LIMIT
I-6

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



FIRST AID STATION
I-9

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



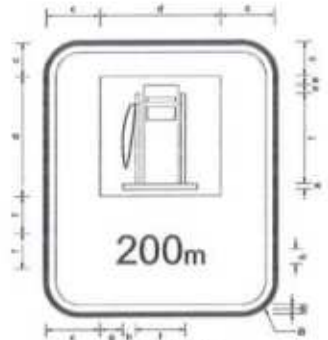
AUTO REPAIR SHOP
I-10

PARTS	SIGN SIZE	
	120 x 180	120 x 180
a	6.0	6.0
b	2.4	2.4
c	20.0	20.0
d	80.0	80.0
e	30.0	30.0
f	15.0	15.0
g	35.0	35.0
h	5.0	5.0
i	11.0	11.0
j	7.0	7.0
k	44.0	44.0
l	36.0	36.0
m	14.0	14.0



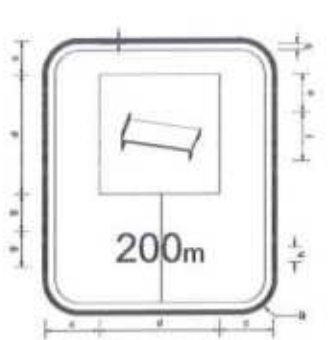
PHONE SERVICE
I-11

PARTS	SIGN SIZE	
	120 x 180	120 x 180
a	6.0	6.0
b	2.4	2.4
c	20.0	20.0
d	50.0	50.0
e	25.0	25.0
f	14.0	14.0



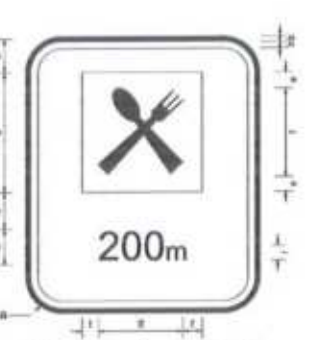
PETROL PUMP
I-12

PARTS	SIGN SIZE	
	120 x 180	120 x 180
a	6.0	6.0
b	2.4	2.4
c	20.0	20.0
d	50.0	50.0
e	4.0	4.0
f	60.0	60.0
g	8.0	8.0
h	12.0	12.0
i	17.0	17.0
j	26.0	26.0
k	14.0	14.0



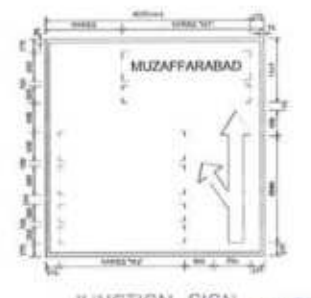
HOTEL / MOTEL
I-13

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



RESTAURANT
I-14

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

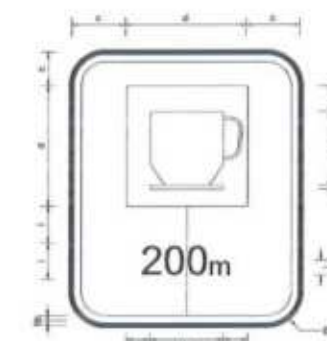


JUNCTION SIGN
(250m VIEW OF JUNCTION)

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



DESTINATION SIGN
(200m OF LIMITS OF TOWN)



CAFETERIA
I-15

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



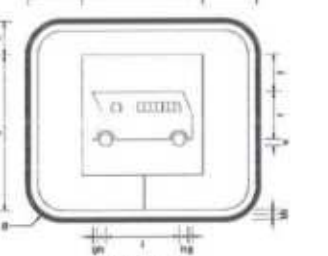
PICNIC SITE
I-16

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



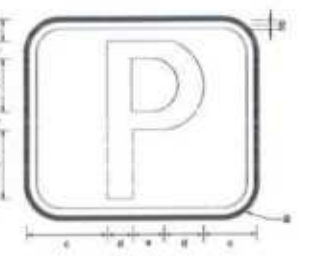
HOSPITAL SIGN
I-22

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



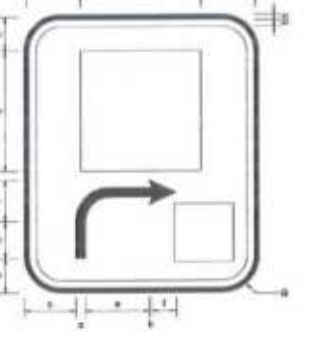
BUS STOP
I-25

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



PARKING
I-26

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



GENERAL INFORMATION
I-27

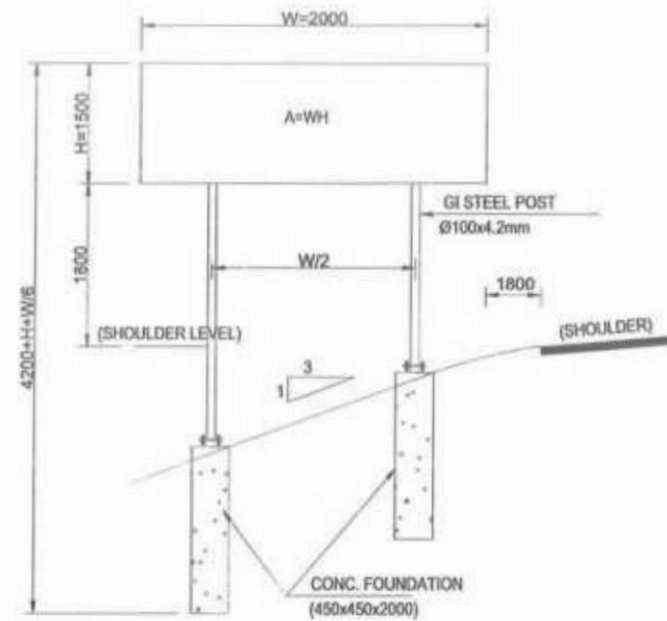
PARTS	SIGN SIZE	
	90 x 135	120 x 180
a	4.5	6.0
b	1.8	2.4
c	15.0	20.0
d	60.0	80.0
e	12.0	16.0
f	20.3	27.0
g	10.5	14.0
h	28.5	38.0
i	18.0	24.0



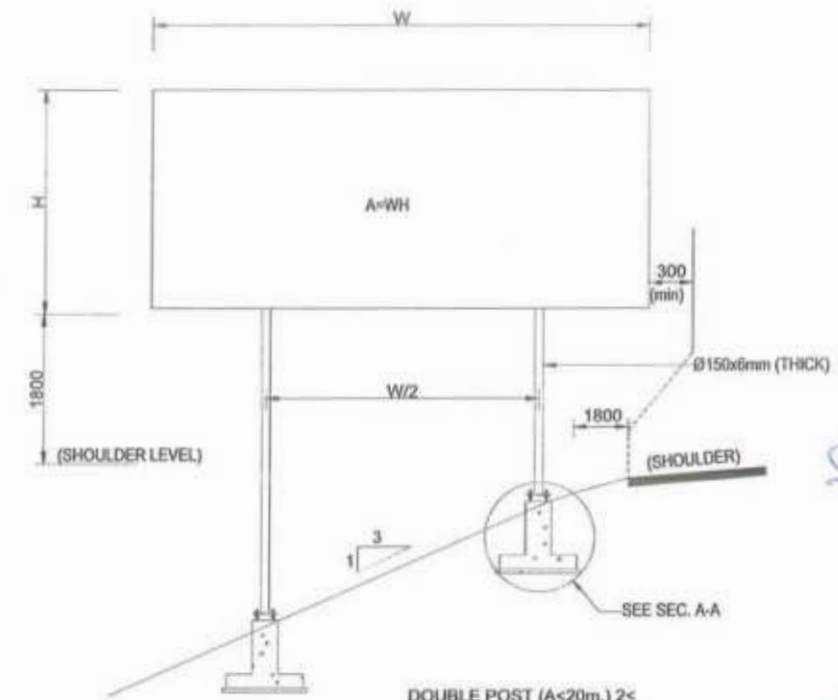
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV: 0 DATE: AUG, 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S	SHEET CONTENT: TRAFFIC SIGNS DETAILS
					FLOOD AFFECTED ROAD	DATE: AUG,	



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

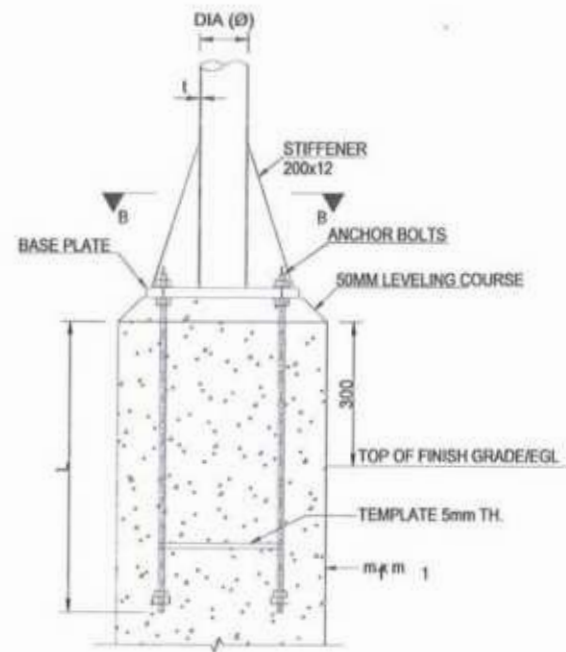


DOUBLE POST (A<3m.)
2<FOUNDATION TYPE-2

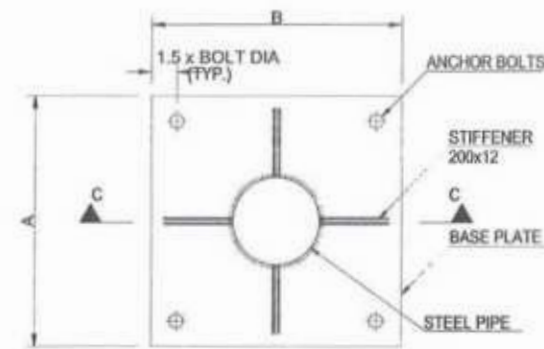


DOUBLE POST (A<20m.) 2<
FOUNDATION TYPE-3

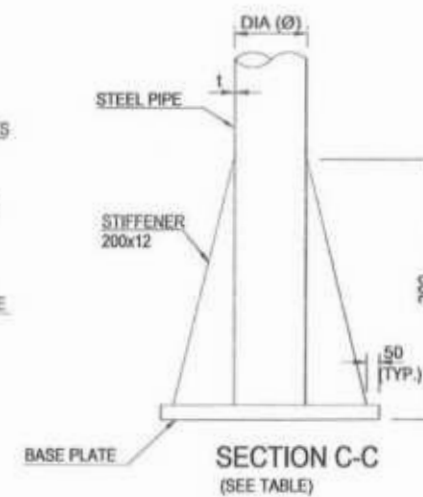
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar



BASE PLATE &
ANCHORAGE ELEVATION



SECTION B-B
(SEE TABLE)



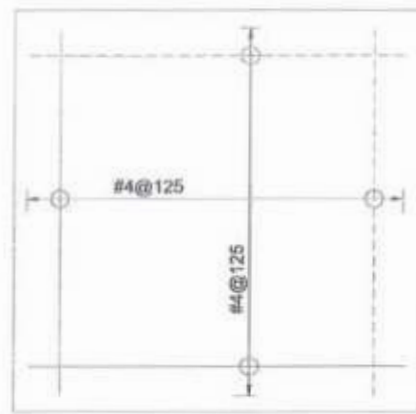
SECTION C-C
(SEE TABLE)

NOTES:-

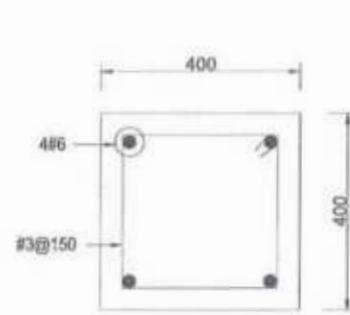
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. FABRICATION GALVANIZING AND ERECTION TO BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
3. AFTER FABRICATION AND BEFORE GALVANIZING THE TRIAL ASSEMBLY OF COMPLETE STRUCTURE SHALL BE DONE.
4. ALL COMPONENTS TO BE HOT DIP GALVANIZED IN ACCORDANCE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



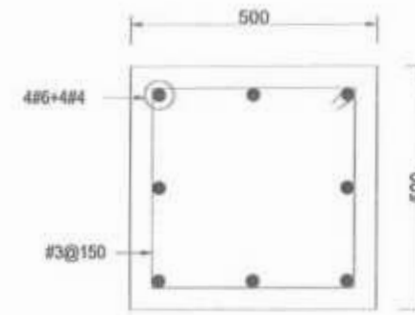
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV 0 1 2	DATE AUG, 2024	DESCRIPTION TENDER DRAWINGS	NAMES: G.DESIGNED MANSOOR DURRANI DRAWN MANSOOR DURRANI CHECKED SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S DATE: AUG	SHEET CONTENT: TRAFFIC SIGNS FOUNDATION DETAILS
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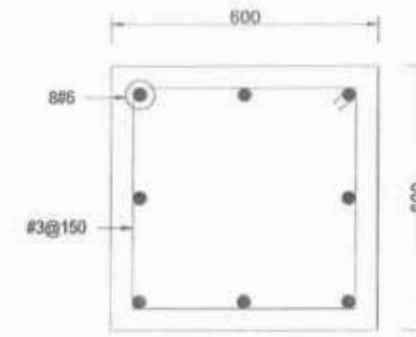
FOUNDATION
PLAN
(SEE TABLE)



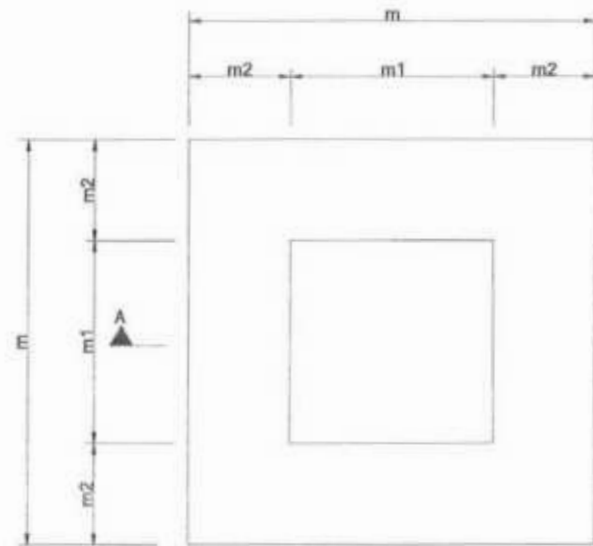
SECTION 1-1



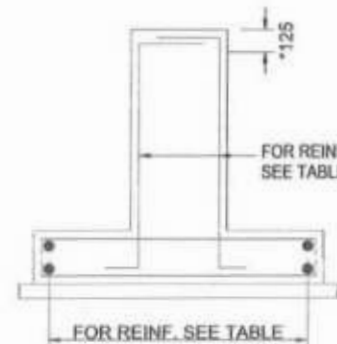
SECTION 2-2



SECTION 3-3

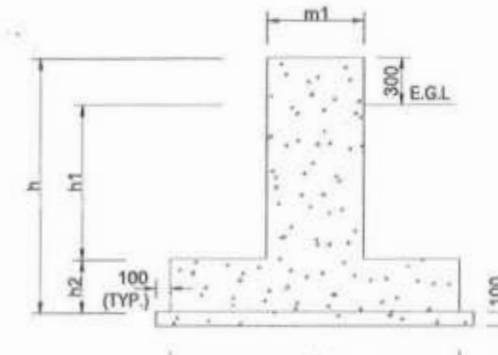


FOUNDATION
PLAN
(SEE TABLE)



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.

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Provincial Road Improvement Project
C&W Department Peshawar

TABLE - 1

AREA OF SIGN BOARD A (M) ²	STRUCTURAL CONCRETE SIZING (mm)						STRUCTURAL STEEL SIZING (mm)						REINFORCEMENT		
	PEDESTAL m ₁ x m ₁	FOUNDATION PAD m x m	m ₂	h ₁	h ₂	h	PIPE		BASE PLATE		ANCHOR BOLTS (J-TYPE)		PEDESTAL	PAD	
							DIA (Ø)	THICKNESS (t)	PLAN SIZE (AxB)	THICKNESS (T)	DIA.	EMBEDMENT (L)			Number
3 < A < 5	400x400	1000x1000	400	1250	350	1600	125	6	300x300	22	16	400	4	SEE SEC. 1-1	SEE FOUNDATION PLAN
5 < A < 10	500x500	1350x1350	525	1175	425	1800	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

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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV: 0 DATE: AUG. 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S. DATE: AUG	SHEET CONTENT: TRAFFIC SIGNS FOUNDATION DETAILS
--	--	---	---	---	---	----------------------------------	--

PAVEMENT MARKING LINES

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



L1 - BROKEN GUIDE LINE-WHITE

AT CENTERLINE OF DIVIDED 2-LANE



L2 - BROKEN WARNING LINE -WHITE

LANE MARKING FOR MIX TRAFFIC



L3 - CONTINUOUS LINE - WHITE

AT NO PASSING ZONES



L4 - CONTINUOUS EDGE LINE -YELLOW

AT EDGE OF PAVEMENT AT ALL LOCATIONS



L5 - DASHED LINE - WHITE

AT SEPARATION OF THROUGH LANES FROM ACCELERATION LANE



L6 - DOTTED LINE - WHITE

FOR DEFINING VEHICLE PATHS WITHIN INTERSECTIONS



L7 - STOP LINE - WHITE

AT INTERSECTIONS ACROSS PAVEMENT



L8 - TRANSVERSE YIELD LINE - WHITE

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

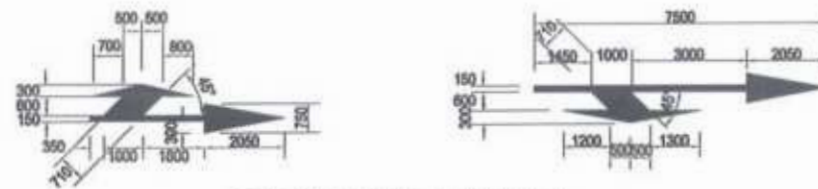


L9 - DOTTED LINE - YELLOW

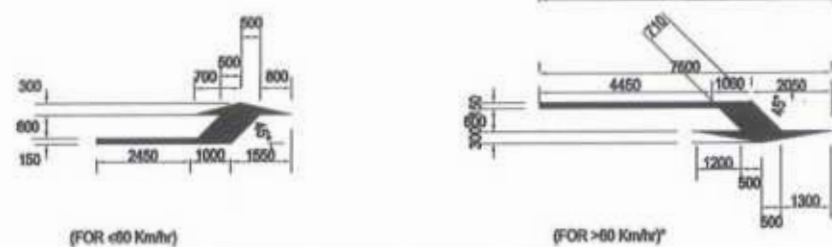
FOR EDGE LINE WHERE PARKING BAYS ARE PROVIDED OUTSIDE THE LANE



ARROWS TYPE-I (STRAIGHT)

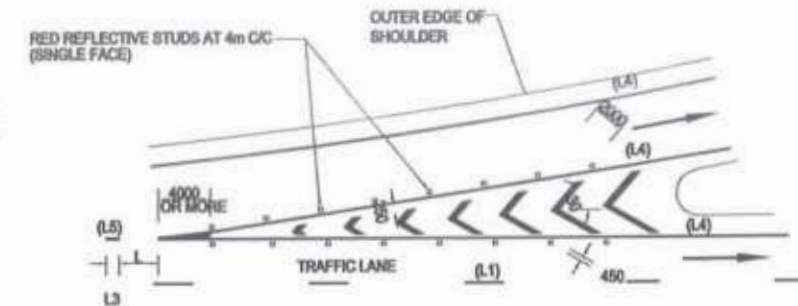


ARROWS TYPE-II (COMBINED)

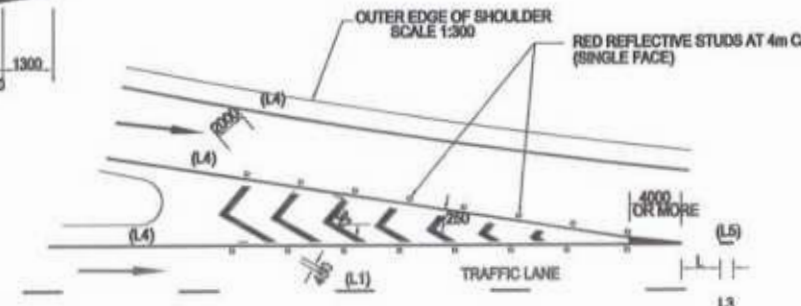


ARROWS TYPE-III (DEFLECTION)

LANE SELECTION ARROWS - WHITE

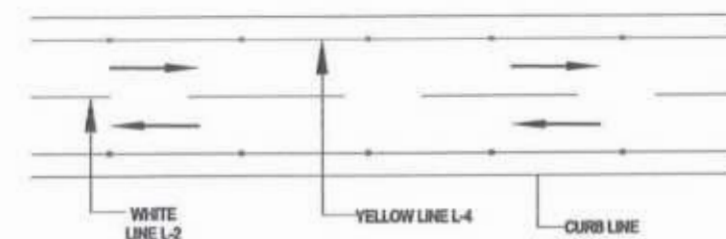


ENTRANCE NOSE DETAIL



EXIT NOSE DETAIL

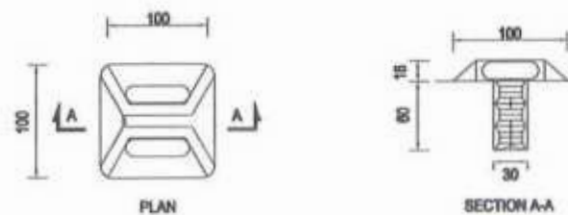
SCALE 1:300



PROJECT ROAD

TABLE - 1

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



REFLECTORISED PAVEMENT STUD

(RAISED PROFILE TYPE)

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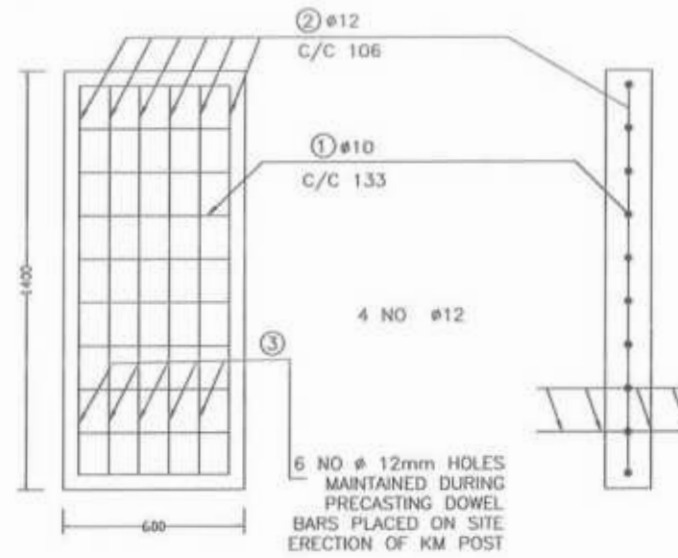
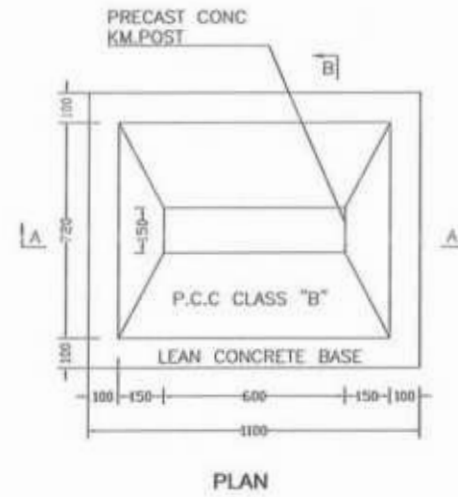
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar

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JV
Nirvana Engineering International Ltd.

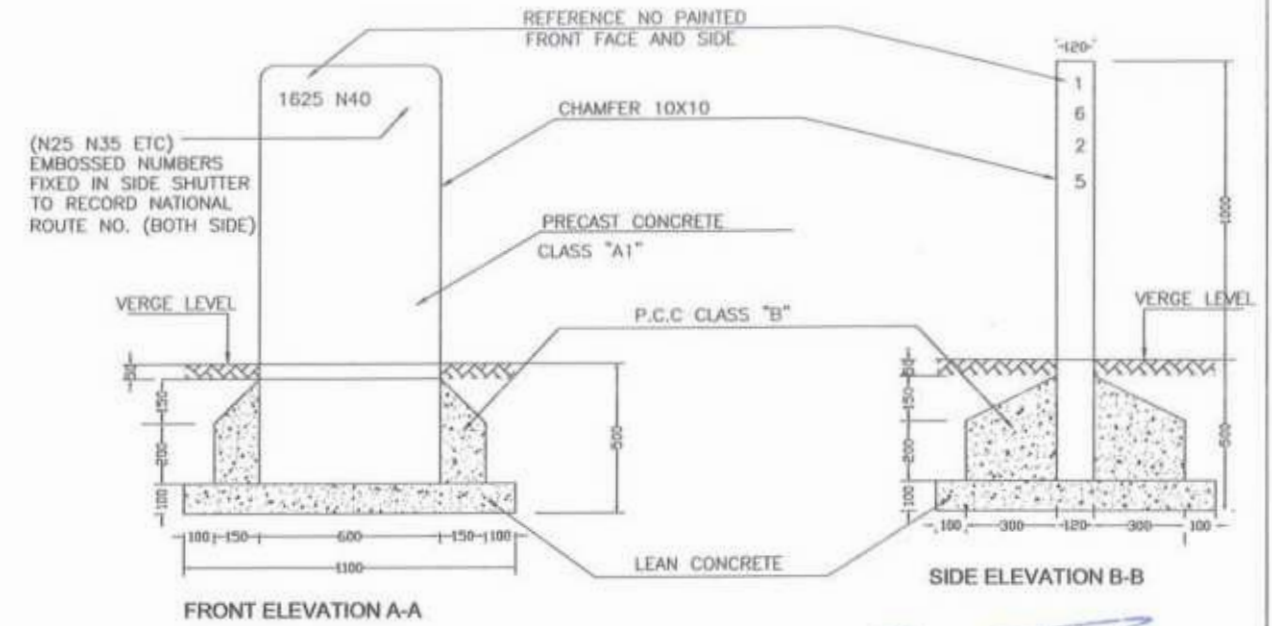
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO: 58835-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	TYPICAL PAVEMENT MARKING DETAILS
		a			DRAWN MANSOOR DURRANI			DATE:	
		b			CHECKED SHAHZAD DURRANI			AUG,	

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

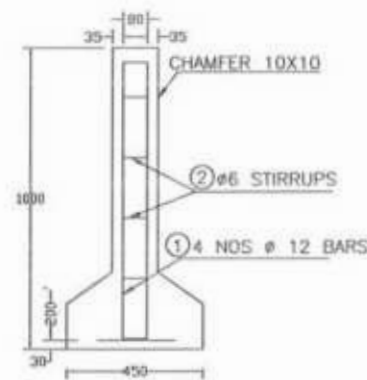


REINFORCEMENT DETAIL
.SEE TABLE-1 OF REINFORCEMENT SCHEDULE.

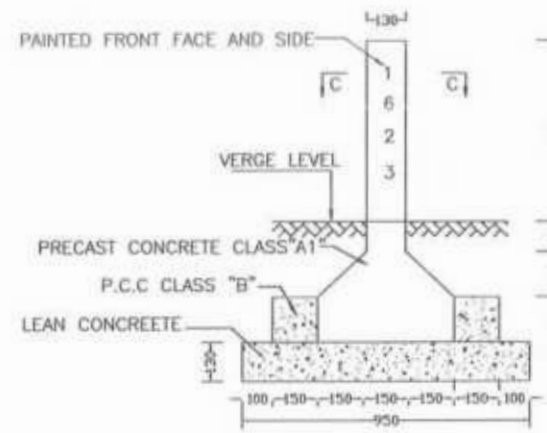


FIVE KILOMETER POST

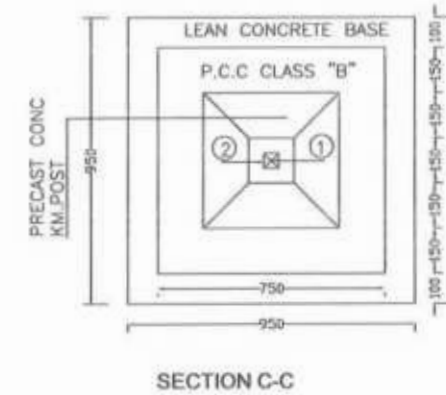
[Signature]
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REINFORCEMENT DETAIL
.SEE TABLE-2 OF REINFORCEMENT SCHEDULE.



ONE KILOMETER POST



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

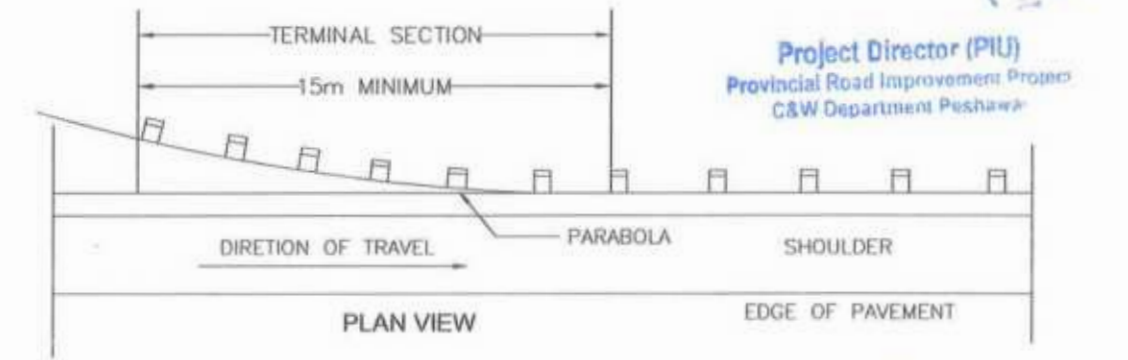
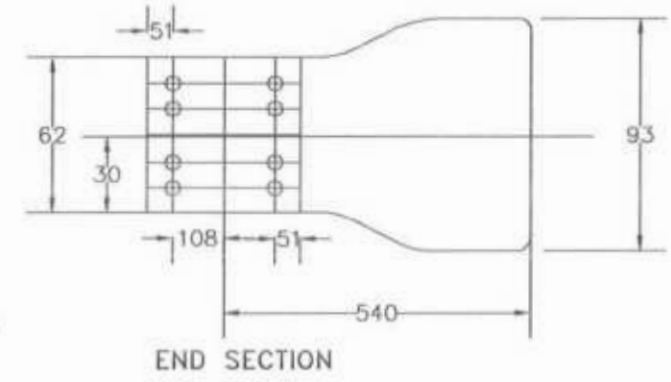
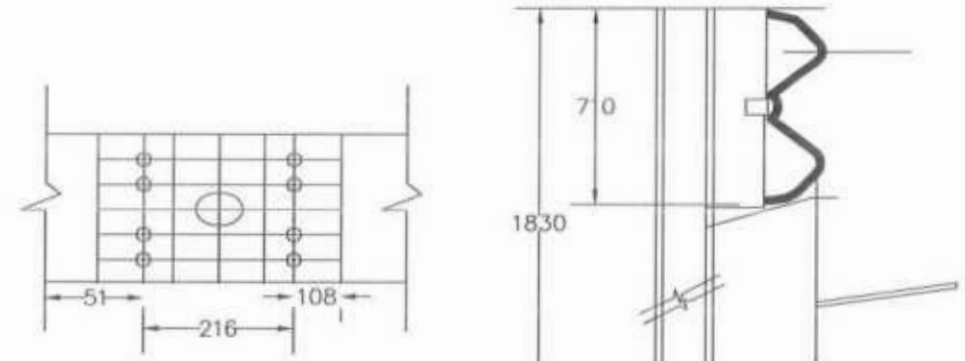
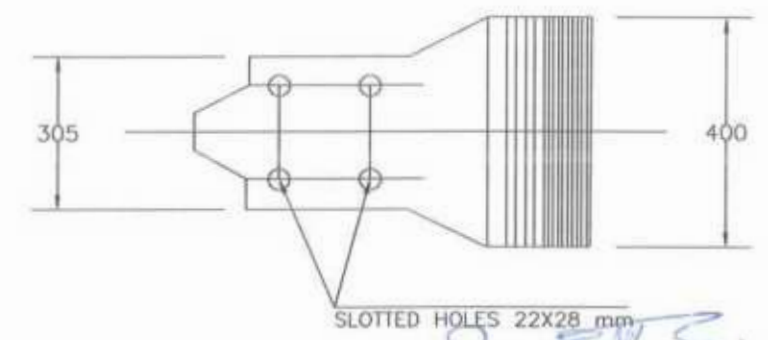
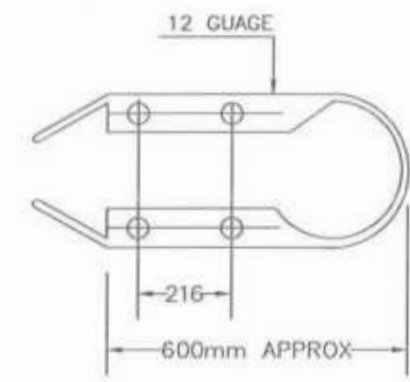
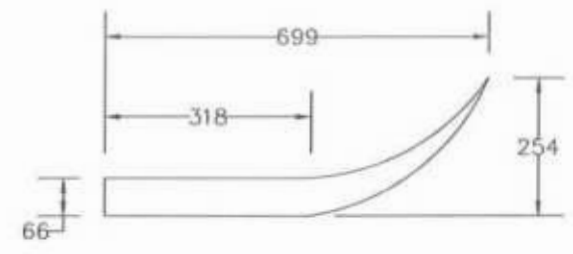
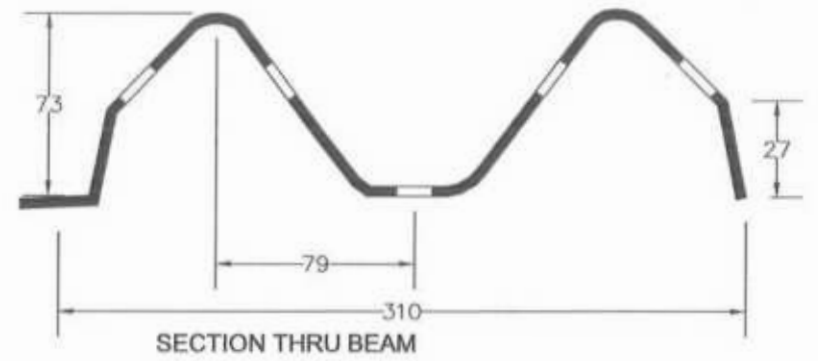
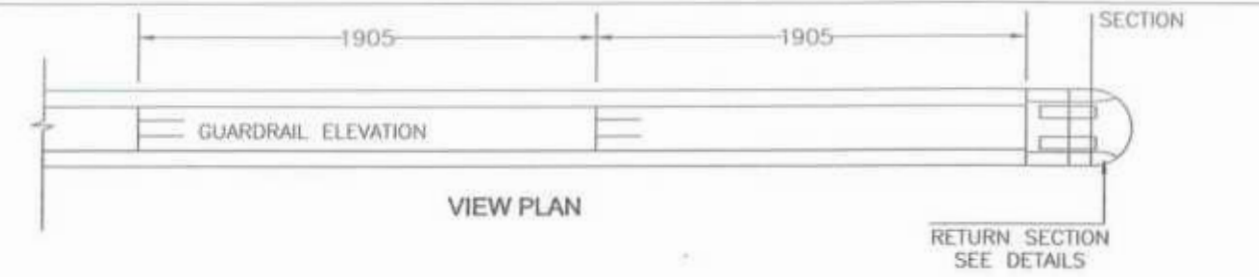
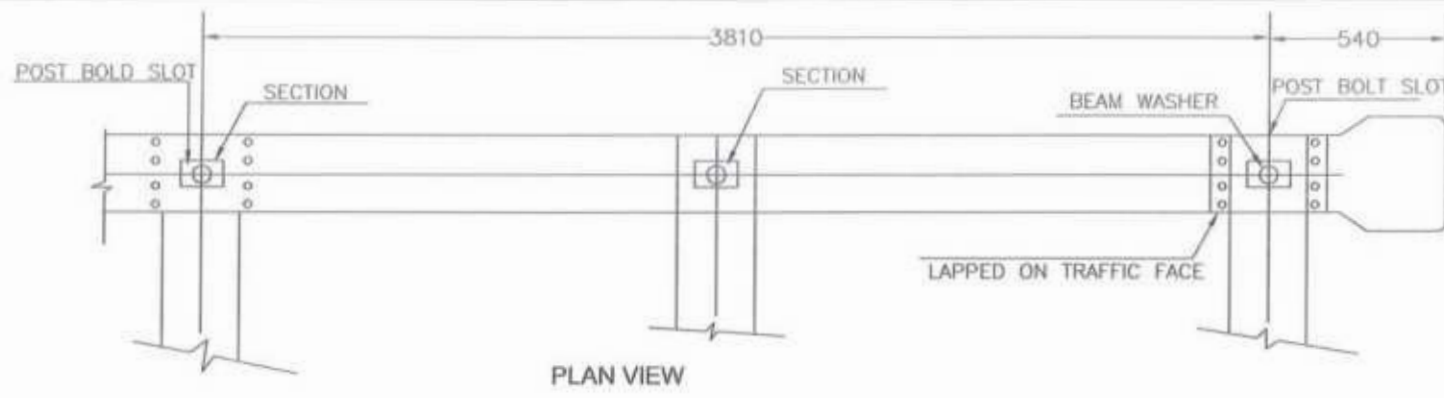
TABLE-2
REINFORCEMENT SCHEDULE

NOTES:-

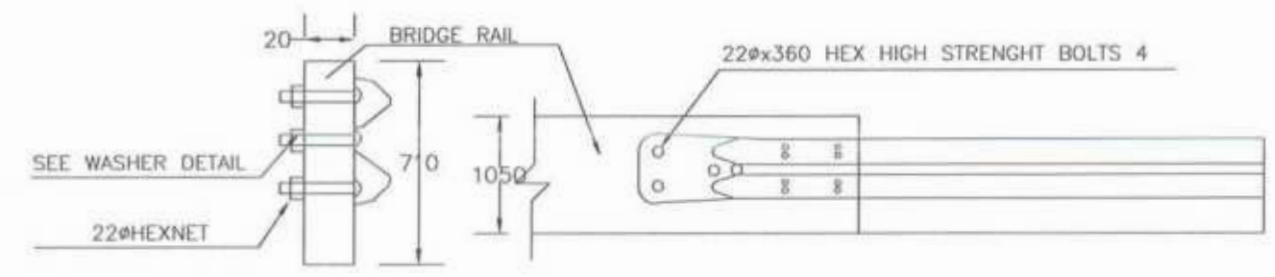
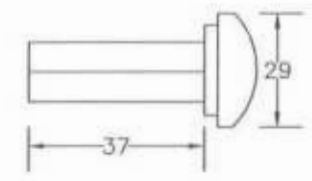
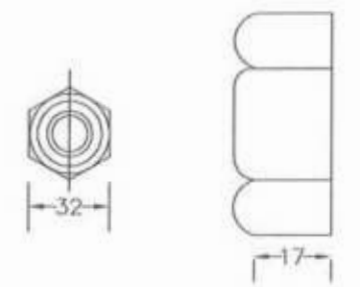
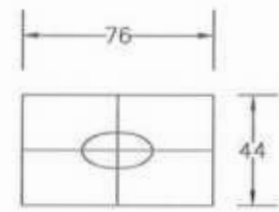
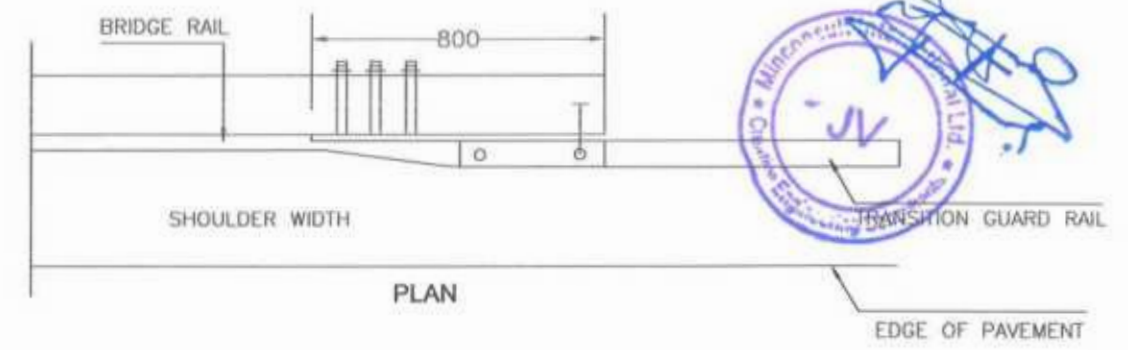
1. PRECAST CONCRETE SHALL BE CLASS "A1" AS PER G.S.I 401
2. CONCRETE COVER 35mm
3. P.C.C CLASS "B" AS PER G.S.I 401
4. LEAN CONCRETE SHALL BE AS PER G.S.I 401
5. REINFORCEMENT DEFORMED GRADE 40 AS PER AASHTO M-31
6. BACKGROUND COLOUR WILL BE WHITE WHILE LETTERING COLOUR WILL BE BLACK.
7. ALL DIMENSIONS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



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 SHESHA TO MADALCASHT	N.T.S
		0			DRAWN	MANSOOR DURRANI						DATE:
		b			CHECKED	SHAHZAD DURRANI						AUG,



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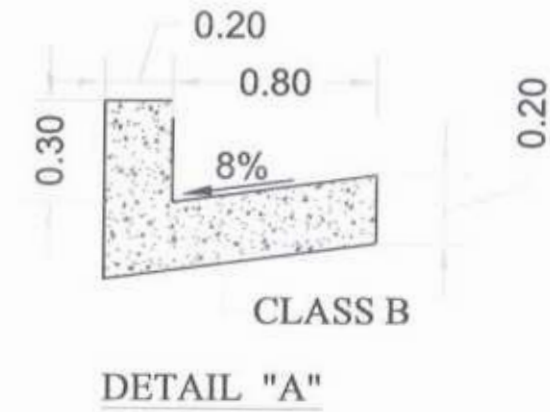
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	GUARD RAIL DETAILS
							DATE:		
							AUG		



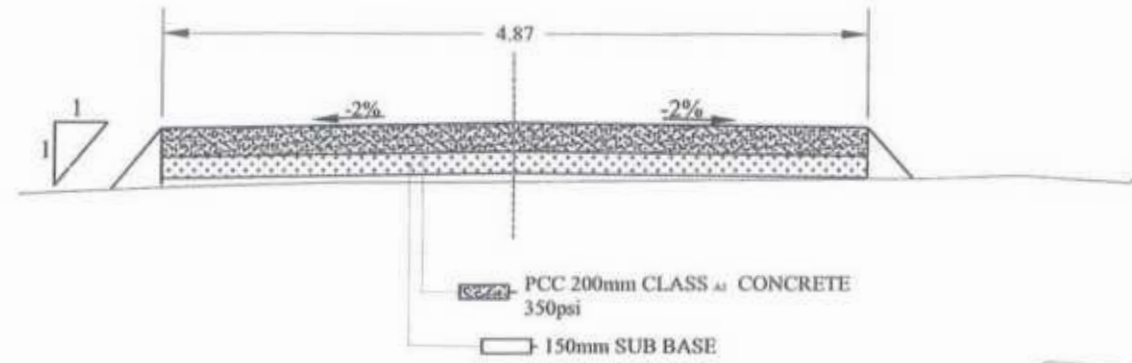
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TYPICAL CROSS SECTIONS

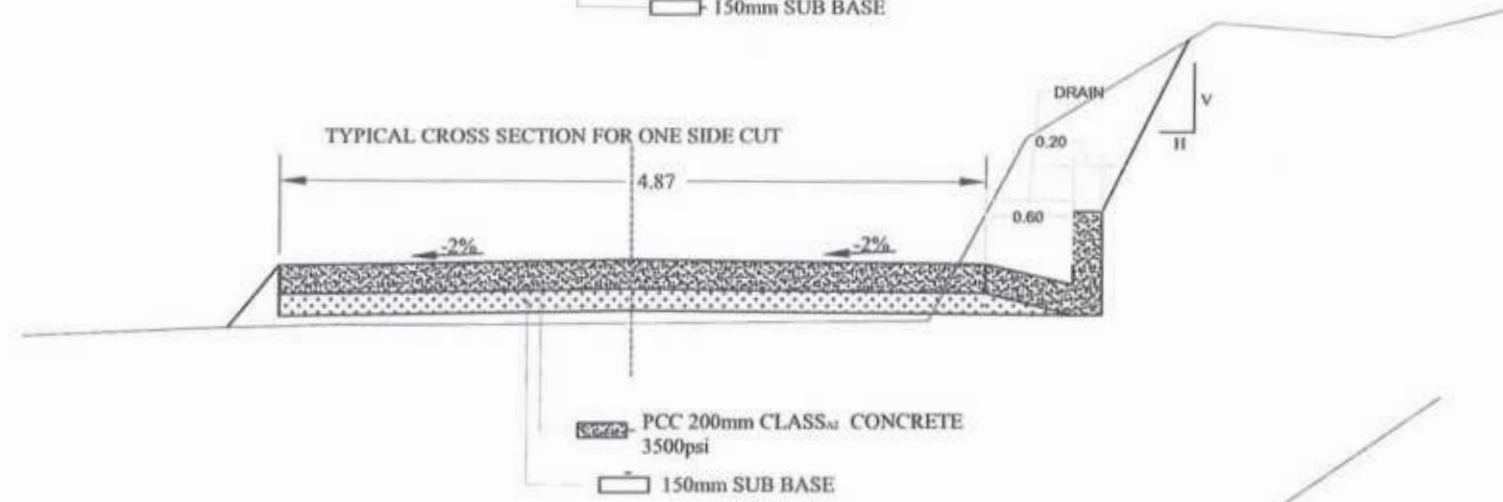




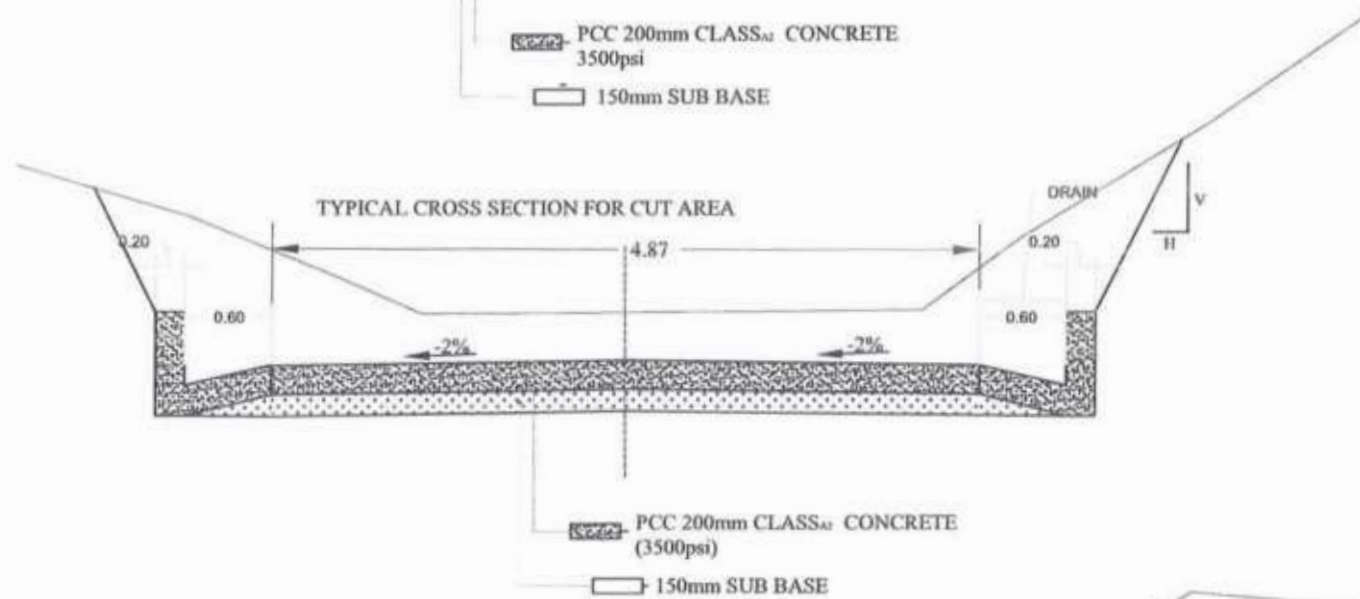
TYPICAL CROSS SECTION FOR OPEN AREA



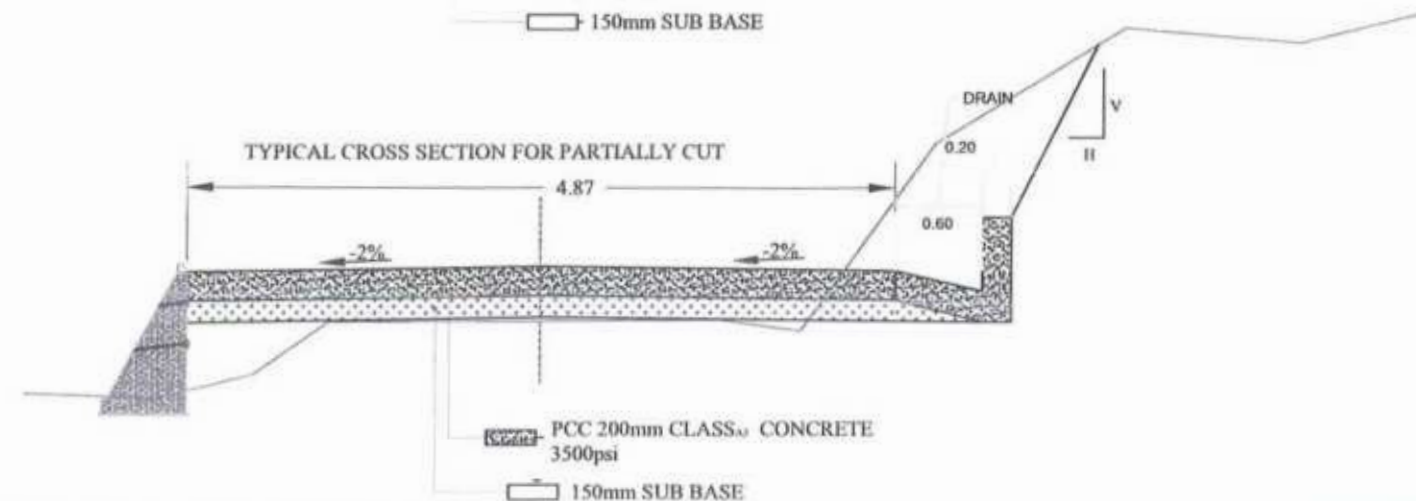
TYPICAL CROSS SECTION FOR ONE SIDE CUT



TYPICAL CROSS SECTION FOR CUT AREA



TYPICAL CROSS SECTION FOR PARTIALLY CUT



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

[Signature]
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CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 55835-P) J.V. CREATIVE ENGINEERING</p>	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	<p>N-CHT-1 SHESHA TO MADALCASHT</p>	N.T.S	TYPICAL CROSS SECTIONS	
		a			DRAWN	MANSOOR DURRANI		<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>		DATE:
		b			CHECKED	SHAHZAD DURRANI				AUG



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Provincial Road Improvement Project
C&W Department Peshawa

CENTER LINE DATA




CENTER LINE DATA			
S:No	Station	Northing	Easting
1	0+000.00	3941848.40	754402.43
2	0+025.00	3941846.29	754427.33
3	0+050.00	3941845.96	754452.32
4	0+075.00	3941847.82	754477.00
5	0+100.00	3941864.86	754495.17
6	0+125.00	3941882.67	754512.71
7	0+150.00	3941897.83	754532.35
8	0+175.00	3941902.97	754556.70
9	0+200.00	3941908.63	754581.05
10	0+225.00	3941911.32	754605.74
11	0+250.00	3941913.01	754630.32
12	0+275.00	3941932.02	754645.92
13	0+300.00	3941946.65	754665.01
14	0+325.00	3941947.63	754689.97
15	0+350.00	3941954.58	754713.93
16	0+375.00	3941961.79	754737.87
17	0+400.00	3941972.13	754760.62
18	0+425.00	3941978.22	754784.41
19	0+450.00	3941972.83	754808.80
20	0+475.00	3941972.07	754833.77
21	0+500.00	3941969.65	754858.60
22	0+525.00	3941979.14	754881.62
23	0+550.00	3941985.87	754905.61
24	0+575.00	3941995.13	754928.80
25	0+600.00	3942004.43	754951.93
26	0+625.00	3942013.01	754975.32
27	0+650.00	3942021.67	754998.70
28	0+675.00	3942029.16	755022.47
29	0+700.00	3942045.45	755040.97
30	0+725.00	3942063.75	755058.00
31	0+750.00	3942081.87	755075.22
32	0+775.00	3942102.58	755089.14
33	0+800.00	3942123.94	755102.14
34	0+825.00	3942144.86	755115.77
35	0+850.00	3942161.21	755134.53
36	0+875.00	3942172.03	755157.01
37	0+900.00	3942176.73	755181.49
38	0+925.00	3942178.78	755206.41
39	0+950.00	3942183.51	755230.77
40	0+975.00	3942195.81	755252.53

CENTER LINE DATA			
S:No	Station	Northing	Easting
41	1+000.00	3942195.52	755276.69
42	1+025.00	3942183.17	755298.24
43	1+050.00	3942187.11	755322.30
44	1+075.00	3942203.31	755340.28
45	1+100.00	3942227.13	755347.54
46	1+125.00	3942252.09	755346.66
47	1+150.00	3942275.45	755353.93
48	1+175.00	3942298.76	755362.13
49	1+200.00	3942319.75	755349.75
50	1+225.00	3942340.50	755336.50
51	1+250.00	3942365.26	755338.48
52	1+275.00	3942390.16	755336.79
53	1+300.00	3942415.12	755337.24
54	1+325.00	3942440.03	755339.27
55	1+350.00	3942450.76	755356.66
56	1+375.00	3942430.48	755370.99
57	1+400.00	3942407.88	755381.61
58	1+425.00	3942384.43	755390.11
59	1+450.00	3942366.45	755407.38
60	1+475.00	3942354.67	755429.29
61	1+500.00	3942338.53	755447.71
62	1+525.00	3942354.42	755462.62
63	1+550.00	3942379.07	755466.45
64	1+575.00	3942403.56	755462.22
65	1+600.00	3942428.23	755464.37
66	1+625.00	3942451.77	755472.20
67	1+650.00	3942472.57	755486.02
68	1+675.00	3942495.89	755495.02
69	1+700.00	3942514.14	755510.42
70	1+725.00	3942518.54	755534.88
71	1+750.00	3942540.13	755544.40
72	1+775.00	3942565.08	755544.51
73	1+800.00	3942588.21	755535.50
74	1+825.00	3942611.49	755527.74
75	1+850.00	3942636.13	755530.51
76	1+875.00	3942657.40	755517.79
77	1+900.00	3942678.24	755503.98
78	1+925.00	3942701.67	755496.02
79	1+950.00	3942726.64	755496.62
80	1+975.00	3942751.41	755493.40

CENTER LINE DATA			
S:No	Station	Northing	Easting
81	2+000.00	3942776.15	755495.79
82	2+025.00	3942798.56	755506.82
83	2+050.00	3942822.42	755514.20
84	2+075.00	3942821.47	755533.27
85	2+100.00	3942797.73	755540.84
86	2+125.00	3942773.94	755547.88
87	2+150.00	3942753.96	755562.81
88	2+175.00	3942730.84	755572.08
89	2+200.00	3942724.33	755594.51
90	2+225.00	3942725.07	755619.05
91	2+250.00	3942712.78	755639.99
92	2+275.00	3942693.78	755655.10
93	2+300.00	3942702.54	755676.18
94	2+325.00	3942724.24	755688.56
95	2+350.00	3942745.19	755702.21
96	2+375.00	3942763.94	755718.07
97	2+400.00	3942755.70	755739.24
98	2+425.00	3942730.99	755741.87
99	2+450.00	3942706.84	755748.11
100	2+475.00	3942691.64	755765.46
101	2+500.00	3942697.05	755789.83
102	2+525.00	3942699.50	755814.68
103	2+550.00	3942707.32	755837.88
104	2+575.00	3942714.10	755861.36
105	2+600.00	3942698.20	755873.41
106	2+625.00	3942679.02	755865.18
107	2+650.00	3942686.78	755888.03
108	2+675.00	3942696.65	755911.01
109	2+700.00	3942706.43	755934.01
110	2+725.00	3942718.27	755956.01
111	2+750.00	3942730.85	755977.61
112	2+775.00	3942743.43	755999.21
113	2+800.00	3942756.02	756020.82
114	2+825.00	3942768.04	756042.73
115	2+850.00	3942778.22	756065.59
116	2+875.00	3942786.83	756089.02
117	2+900.00	3942796.87	756111.91
118	2+925.00	3942807.68	756134.45
119	2+950.00	3942822.27	756154.64
120	2+975.00	3942841.84	756170.11

Project Director (PIU)
Rural Road Improvement Project
CPWD Department Peshawar

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	0	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA
		1						DATE:	
		2						AUG,	

CENTER LINE DATA			
S:No	Station	Northing	Easting
121	3+000.00	3942862.54	756184.13
122	3+025.00	3942883.23	756198.15
123	3+050.00	3942903.93	756212.17
124	3+075.00	3942927.31	756219.66
125	3+100.00	3942952.31	756219.90
126	3+125.00	3942975.55	756227.46
127	3+150.00	3942998.92	756234.08
128	3+175.00	3943023.92	756234.31
129	3+200.00	3943048.90	756235.15
130	3+225.00	3943073.89	756235.92
131	3+250.00	3943098.81	756237.80
132	3+275.00	3943123.46	756241.96
133	3+300.00	3943148.09	756246.20
134	3+325.00	3943172.77	756250.22
135	3+350.00	3943197.50	756253.80
136	3+375.00	3943222.36	756252.08
137	3+400.00	3943247.15	756249.28
138	3+425.00	3943272.01	756251.63
139	3+450.00	3943296.65	756255.85
140	3+475.00	3943321.42	756259.06
141	3+500.00	3943344.99	756256.61
142	3+525.00	3943344.40	756280.04
143	3+550.00	3943326.70	756296.66
144	3+575.00	3943302.87	756304.01
145	3+600.00	3943279.17	756303.15
146	3+625.00	3943254.72	756299.51
147	3+650.00	3943231.47	756308.40
148	3+675.00	3943208.73	756318.78
149	3+700.00	3943185.38	756327.68
150	3+725.00	3943161.63	756335.50
151	3+750.00	3943137.89	756343.31
152	3+775.00	3943114.04	756350.82
153	3+800.00	3943090.07	756357.93
154	3+825.00	3943065.38	756360.59
155	3+850.00	3943040.42	756359.69
156	3+875.00	3943016.33	756365.86
157	3+900.00	3942995.88	756380.02
158	3+925.00	3942980.45	756399.65
159	3+950.00	3942965.66	756419.81
160	3+975.00	3942950.74	756439.86

CENTER LINE DATA			
S:No	Station	Northing	Easting
161	4+000.00	3942934.65	756458.99
162	4+025.00	3942919.62	756478.92
163	4+050.00	3942912.13	756502.38
164	4+075.00	3942908.85	756526.77
165	4+100.00	3942892.65	756545.58
166	4+125.00	3942883.56	756568.80
167	4+150.00	3942894.54	756587.63
168	4+175.00	3942919.51	756588.83
169	4+200.00	3942942.44	756581.37
170	4+225.00	3942966.29	756576.04
171	4+250.00	3942990.62	756581.73
172	4+275.00	3943014.85	756587.64
173	4+300.00	3943037.80	756597.56
174	4+325.00	3943061.86	756603.48
175	4+350.00	3943077.80	756621.54
176	4+375.00	3943098.64	756633.63
177	4+400.00	3943109.41	756653.97
178	4+425.00	3943117.55	756675.95
179	4+450.00	3943128.25	756697.89
180	4+475.00	3943127.77	756722.80
181	4+500.00	3943127.56	756747.46
182	4+525.00	3943136.24	756770.90
183	4+550.00	3943145.18	756794.24
184	4+575.00	3943156.25	756816.65
185	4+600.00	3943173.38	756834.47
186	4+625.00	3943190.45	756852.57
187	4+650.00	3943200.81	756875.22
188	4+675.00	3943215.07	756894.45
189	4+700.00	3943234.65	756907.69
190	4+725.00	3943221.31	756926.72
191	4+750.00	3943199.84	756939.26
192	4+775.00	3943175.47	756944.81
193	4+800.00	3943161.73	756962.86
194	4+825.00	3943174.56	756983.96
195	4+850.00	3943189.92	757003.67
196	4+875.00	3943209.30	757019.11
197	4+900.00	3943228.76	757033.47
198	4+925.00	3943244.50	757051.60
199	4+950.00	3943265.20	757065.29
200	4+975.00	3943282.20	757083.60

CENTER LINE DATA			
S:No	Station	Northing	Easting
201	5+000.00	3943300.31	757100.76
202	5+025.00	3943321.56	757113.31
203	5+050.00	3943322.54	757137.61
204	5+075.00	3943330.34	757161.28
205	5+100.00	3943338.04	757185.06
206	5+125.00	3943344.90	757209.09
207	5+150.00	3943350.56	757233.37
208	5+175.00	3943359.13	757256.86
209	5+200.00	3943365.35	757281.07
210	5+225.00	3943373.88	757304.56
211	5+250.00	3943381.68	757328.28
212	5+275.00	3943385.16	757352.94
213	5+300.00	3943380.85	757377.49
214	5+325.00	3943391.32	757399.89
215	5+350.00	3943405.64	757419.65
216	5+375.00	3943412.31	757443.74
217	5+400.00	3943421.86	757466.74
218	5+425.00	3943434.39	757488.12
219	5+450.00	3943429.61	757512.33
220	5+475.00	3943430.93	757537.02
221	5+500.00	3943437.07	757561.26
222	5+525.00	3943443.28	757585.47
223	5+550.00	3943450.85	757609.30
224	5+575.00	3943459.98	757632.55
225	5+600.00	3943463.98	757657.14
226	5+625.00	3943476.92	757678.23
227	5+650.00	3943488.90	757700.13
228	5+675.00	3943505.09	757718.99
229	5+700.00	3943521.47	757737.82
230	5+725.00	3943537.05	757757.37
231	5+750.00	3943557.83	757769.89
232	5+775.00	3943579.50	757781.05
233	5+800.00	3943596.40	757799.47
234	5+825.00	3943614.69	757816.44
235	5+850.00	3943636.02	757829.45
236	5+875.00	3943653.95	757845.06
237	5+900.00	3943647.07	757869.05
238	5+925.00	3943625.82	757869.89
239	5+950.00	3943602.22	757861.69
240	5+975.00	3943577.54	757863.28

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Project Director (PIU)
Provincial Road Improvement Project
CPW Department Peshawar

[Handwritten signature]



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING</p>	0	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADAI, CASHT	N.T.S	CENTER LINE DATA
		1			DRAWN: MANSOOR DURRANI			DATE:	
	2			CHECKED: SHAHZAD DURRANI	AUG				


CENTER LINE DATA			
S:No	Station	Northing	Easting
241	6+000.00	3943555.93	757850.89
242	6+025.00	3943531.63	757846.35
243	6+050.00	3943506.70	757844.45
244	6+075.00	3943481.77	757842.69
245	6+100.00	3943456.83	757841.74
246	6+125.00	3943433.60	757850.74
247	6+150.00	3943410.83	757861.06
248	6+175.00	3943395.44	757880.42
249	6+200.00	3943380.45	757900.34
250	6+225.00	3943362.42	757917.63
251	6+250.00	3943351.10	757939.85
252	6+275.00	3943340.68	757962.57
253	6+300.00	3943330.25	757985.30
254	6+325.00	3943322.88	758009.11
255	6+350.00	3943316.25	758033.19
256	6+375.00	3943308.07	758056.78
257	6+400.00	3943306.35	758081.71
258	6+425.00	3943301.05	758106.12
259	6+450.00	3943295.44	758130.48
260	6+475.00	3943284.51	758152.55
261	6+500.00	3943269.32	758172.39
262	6+525.00	3943264.46	758196.48
263	6+550.00	3943268.94	758220.88
264	6+575.00	3943267.90	758245.53
265	6+600.00	3943278.55	758267.83
266	6+625.00	3943275.92	758292.59
267	6+650.00	3943265.96	758314.88
268	6+675.00	3943253.57	758336.54
269	6+700.00	3943234.92	758353.01
270	6+725.00	3943218.63	758371.96
271	6+750.00	3943201.57	758390.19
272	6+775.00	3943180.65	758403.75
273	6+800.00	3943159.94	758417.73
274	6+825.00	3943148.42	758437.03
275	6+850.00	3943154.24	758460.95
276	6+875.00	3943152.77	758485.89
277	6+900.00	3943151.71	758510.85
278	6+925.00	3943149.57	758535.76
279	6+950.00	3943149.52	758560.75
280	6+975.00	3943154.40	758585.03

CENTER LINE DATA			
S:No	Station	Northing	Easting
281	7+000.00	3943167.39	758605.68
282	7+025.00	3943185.57	758622.76
283	7+050.00	3943202.48	758641.16
284	7+075.00	3943219.17	758659.77
285	7+100.00	3943232.94	758680.63
286	7+125.00	3943248.11	758700.41
287	7+150.00	3943262.27	758720.89
288	7+175.00	3943281.33	758736.75
289	7+200.00	3943299.74	758753.56
290	7+225.00	3943315.00	758773.35
291	7+250.00	3943336.99	758784.67
292	7+275.00	3943359.70	758795.12
293	7+300.00	3943381.42	758807.31
294	7+325.00	3943399.06	758825.01
295	7+350.00	3943419.88	758838.47
296	7+375.00	3943442.26	758849.62
297	7+400.00	3943462.92	758863.62
298	7+425.00	3943480.94	758880.93
299	7+450.00	3943502.56	758892.86
300	7+475.00	3943527.36	758895.64
301	7+500.00	3943548.47	758908.93
302	7+525.00	3943570.23	758920.94
303	7+550.00	3943593.42	758930.21
304	7+575.00	3943614.91	758942.98
305	7+600.00	3943634.63	758958.31
306	7+625.00	3943650.63	758977.47
307	7+650.00	3943669.67	758993.31
308	7+675.00	3943691.49	759005.46
309	7+700.00	3943708.90	759023.02
310	7+725.00	3943725.85	759040.89
311	7+750.00	3943744.99	759056.89
312	7+775.00	3943761.02	759076.04
313	7+800.00	3943777.61	759094.51
314	7+825.00	3943796.32	759111.08
315	7+850.00	3943813.06	759129.62
316	7+875.00	3943829.70	759148.29
317	7+900.00	3943846.47	759166.83
318	7+925.00	3943864.37	759184.16
319	7+950.00	3943884.63	759198.81
320	7+975.00	3943902.99	759215.56

CENTER LINE DATA			
S:No	Station	Northing	Easting
321	8+000.00	3943918.30	759235.32
322	8+025.00	3943934.24	759254.56
323	8+050.00	3943951.00	759273.05
324	8+075.00	3943966.32	759292.65
325	8+100.00	3943986.02	759307.49
326	8+125.00	3944005.94	759322.44
327	8+150.00	3944023.75	759339.72
328	8+175.00	3944036.70	759361.08
329	8+200.00	3944049.94	759382.23
330	8+225.00	3944068.03	759399.42
331	8+250.00	3944081.45	759420.29
332	8+275.00	3944084.70	759444.98
333	8+300.00	3944095.25	759467.62
334	8+325.00	3944102.71	759491.43
335	8+350.00	3944114.03	759513.55
336	8+375.00	3944129.47	759533.17
337	8+400.00	3944148.33	759549.53
338	8+425.00	3944166.92	759566.17
339	8+450.00	3944187.97	759579.58
340	8+475.00	3944204.96	759597.87
341	8+500.00	3944225.13	759612.52
342	8+525.00	3944246.19	759625.99
343	8+550.00	3944267.00	759639.83
344	8+575.00	3944287.68	759653.88
345	8+600.00	3944308.36	759667.92
346	8+625.00	3944329.07	759681.94
347	8+650.00	3944351.59	759692.65
348	8+675.00	3944375.12	759701.07
349	8+700.00	3944398.36	759710.28
350	8+725.00	3944421.57	759719.57
351	8+750.00	3944444.79	759728.86
352	8+775.00	3944468.19	759737.63
353	8+800.00	3944492.30	759744.20
354	8+825.00	3944514.40	759755.64
355	8+850.00	3944533.39	759771.89
356	8+875.00	3944554.30	759785.55
357	8+900.00	3944576.87	759796.25
358	8+925.00	3944598.59	759808.36
359	8+950.00	3944618.60	759823.34
360	8+975.00	3944639.56	759836.96

Director (PIU)
Provincial Road Improvement Project
Khyber Pakhtunkhwa

Official Seal and Signature



 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	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	c	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA
		d			DRAWN: MANSOOR DURRANI			DATE:	
		e			CHECKED: SHAHZAD DURRANI			AUG.	

CENTER LINE DATA			
S:No	Station	Northing	Easting
361	9+000.00	3944660.67	759850.36
362	9+025.00	3944682.96	759861.55
363	9+050.00	3944706.08	759871.03
364	9+075.00	3944730.81	759869.27
365	9+100.00	3944751.83	759876.25
366	9+125.00	3944764.49	759896.33
367	9+150.00	3944788.09	759904.57
368	9+175.00	3944812.15	759911.06
369	9+200.00	3944835.08	759920.62
370	9+225.00	3944856.98	759932.66
371	9+250.00	3944880.60	759940.30
372	9+275.00	3944904.11	759947.17
373	9+300.00	3944926.50	759958.22
374	9+325.00	3944948.23	759970.37
375	9+350.00	3944965.16	759988.75
376	9+375.00	3944983.60	760005.27
377	9+400.00	3945002.15	760021.83
378	9+425.00	3945023.58	760034.67
379	9+450.00	3945045.77	760046.17
380	9+475.00	3945068.88	760055.65
381	9+500.00	3945092.84	760062.74
382	9+525.00	3945117.26	760068.09
383	9+550.00	3945141.27	760075.00
384	9+575.00	3945165.19	760082.26
385	9+600.00	3945189.71	760087.09
386	9+625.00	3945214.61	760087.86
387	9+650.00	3945239.34	760091.09
388	9+675.00	3945263.95	760095.50
389	9+700.00	3945288.56	760099.91
390	9+725.00	3945312.92	760105.39
391	9+750.00	3945336.52	760113.26
392	9+775.00	3945361.38	760110.89
393	9+800.00	3945386.14	760109.33
394	9+825.00	3945395.97	760130.70
395	9+850.00	3945399.74	760155.41
396	9+875.00	3945411.32	760177.19
397	9+900.00	3945432.32	760190.31
398	9+925.00	3945457.06	760189.62
399	9+950.00	3945481.85	760186.85
400	9+975.00	3945497.03	760205.33

CENTER LINE DATA			
S:No	Station	Northing	Easting
401	10+000.00	3945517.57	760218.28
402	10+025.00	3945541.19	760226.48
403	10+050.00	3945563.97	760236.74
404	10+075.00	3945587.74	760244.22
405	10+100.00	3945607.89	760258.34
406	10+125.00	3945623.71	760277.11
407	10+150.00	3945646.22	760284.94
408	10+175.00	3945662.77	760303.68
409	10+200.00	3945682.48	760318.58
410	10+225.00	3945705.41	760328.51
411	10+250.00	3945730.25	760330.44
412	10+275.00	3945755.13	760328.35
413	10+300.00	3945779.32	760322.04
414	10+325.00	3945804.10	760318.94
415	10+350.00	3945829.05	760318.51
416	10+375.00	3945853.53	760323.46
417	10+400.00	3945878.17	760327.57
418	10+425.00	3945902.96	760330.83
419	10+450.00	3945925.19	760324.04
420	10+475.00	3945936.69	760301.84
421	10+500.00	3945949.98	760280.71
422	10+525.00	3945962.39	760259.15
423	10+550.00	3945971.27	760235.81
424	10+575.00	3945991.21	760240.06
425	10+600.00	3945998.99	760263.51
426	10+625.00	3946004.19	760287.96
427	10+650.00	3946011.54	760311.73
428	10+675.00	3946026.03	760332.08
429	10+700.00	3946047.14	760341.57
430	10+725.00	3946071.77	760337.30
431	10+750.00	3946096.41	760333.03
432	10+775.00	3946121.07	760328.92
433	10+800.00	3946144.93	760321.67
434	10+825.00	3946167.86	760324.83
435	10+850.00	3946188.87	760338.38
436	10+875.00	3946209.91	760351.87
437	10+900.00	3946233.04	760361.11
438	10+925.00	3946257.24	760367.37
439	10+950.00	3946281.45	760373.64
440	10+975.00	3946305.79	760379.15

CENTER LINE DATA			
S:No	Station	Northing	Easting
441	11+000.00	3946330.20	760374.51
442	11+025.00	3946354.88	760371.47
443	11+050.00	3946375.80	760379.53
444	11+075.00	3946360.21	760396.53
445	11+100.00	3946338.08	760408.15
446	11+125.00	3946315.07	760417.91
447	11+150.00	3946314.64	760438.70
448	11+175.00	3946330.95	760456.51
449	11+200.00	3946354.68	760463.90
450	11+225.00	3946379.64	760463.88
451	11+250.00	3946403.72	760470.26
452	11+275.00	3946425.59	760482.21
453	11+300.00	3946446.12	760496.12
454	11+325.00	3946468.33	760507.54
455	11+350.00	3946489.06	760521.52
456	11+375.00	3946509.29	760536.19
457	11+400.00	3946527.88	760552.89
458	11+425.00	3946545.38	760570.75
459	11+450.00	3946560.73	760590.34
460	11+475.00	3946578.67	760607.49
461	11+500.00	3946600.23	760620.11
462	11+525.00	3946622.17	760632.11
463	11+550.00	3946644.02	760644.25
464	11+575.00	3946662.08	760661.33
465	11+600.00	3946675.89	760682.10
466	11+625.00	3946686.58	760704.70
467	11+650.00	3946695.78	760727.94
468	11+675.00	3946708.37	760749.03
469	11+700.00	3946731.11	760759.31
470	11+725.00	3946754.18	760768.94
471	11+750.00	3946775.27	760782.26
472	11+775.00	3946798.86	760790.27
473	11+800.00	3946819.78	760803.20
474	11+825.00	3946838.14	760819.94
475	11+850.00	3946859.13	760833.52
476	11+875.00	3946880.19	760846.89
477	11+900.00	3946901.25	760860.46
478	11+925.00	3946922.31	760873.92
479	11+950.00	3946943.37	760887.39
480	11+975.00	3946964.59	760900.60


Project Director (PIU)
Provincial Road Improvement Project
Department Peshawar


 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	 MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S DATE: AUG.	CENTER LINE DATA
		1			DRAWN: MANSOOR DURRANI				
		2			CHECKED: SHAHZAD DURRANI				



CENTER LINE DATA			
S:No	Station	Northing	Easting
481	12+000.00	3946987.15	760911.37
482	12+025.00	3947008.47	760924.34
483	12+050.00	3947029.92	760937.14
484	12+075.00	3947051.26	760950.11
485	12+100.00	3947070.10	760966.51
486	12+125.00	3947088.49	760983.45
487	12+150.00	3947108.77	760998.02
488	12+175.00	3947130.87	761009.68
489	12+200.00	3947151.21	761024.16
490	12+225.00	3947172.06	761037.76
491	12+250.00	3947193.31	761050.45
492	12+275.00	3947211.13	761067.98
493	12+300.00	3947229.10	761085.35
494	12+325.00	3947247.88	761101.86
495	12+350.00	3947266.68	761118.34
496	12+375.00	3947285.48	761134.82
497	12+400.00	3947304.28	761151.29
498	12+425.00	3947323.08	761167.77
499	12+450.00	3947341.88	761184.25
500	12+475.00	3947361.77	761199.35
501	12+500.00	3947383.63	761211.47
502	12+525.00	3947405.71	761223.20
503	12+550.00	3947427.69	761235.09
504	12+575.00	3947441.06	761255.45
505	12+600.00	3947438.51	761280.08
506	12+625.00	3947447.77	761302.81
507	12+650.00	3947443.73	761322.84
508	12+675.00	3947446.19	761344.07
509	12+700.00	3947461.06	761364.09
510	12+725.00	3947480.00	761380.18
511	12+750.00	3947503.69	761387.91
512	12+775.00	3947524.31	761401.80
513	12+800.00	3947539.89	761421.35
514	12+825.00	3947555.45	761440.92
515	12+850.00	3947571.00	761460.49
516	12+875.00	3947586.53	761480.09
517	12+900.00	3947602.05	761499.68
518	12+925.00	3947618.18	761518.77
519	12+950.00	3947636.54	761535.27
520	12+975.00	3947660.48	761542.47

CENTER LINE DATA			
S:No	Station	Northing	Easting
521	13+000.00	3947684.73	761548.34
522	13+025.00	3947626.84	761524.46
523	13+050.00	3947648.66	761535.67
524	13+075.00	3947672.47	761543.27
525	13+100.00	3947696.99	761548.01
526	13+125.00	3947721.70	761551.80
527	13+150.00	3947746.19	761556.79
528	13+175.00	3947770.66	761561.93
529	13+200.00	3947794.84	761568.26
530	13+225.00	3947818.76	761575.53
531	13+250.00	3947842.63	761582.95
532	13+275.00	3947866.27	761591.07
533	13+300.00	3947889.80	761599.53
534	13+325.00	3947911.75	761611.44
535	13+350.00	3947930.28	761628.03
536	13+375.00	3947945.41	761647.83
537	13+400.00	3947967.93	761657.81
538	13+425.00	3947991.82	761664.45
539	13+450.00	3948012.30	761678.78
540	13+475.00	3948032.23	761693.86
541	13+500.00	3948050.39	761711.02
542	13+525.00	3948068.07	761728.70
543	13+550.00	3948085.74	761746.39
544	13+575.00	3948103.16	761764.31
545	13+600.00	3948118.56	761783.99
546	13+625.00	3948135.16	761802.59
547	13+650.00	3948155.37	761817.25
548	13+675.00	3948175.22	761832.40
549	13+700.00	3948199.36	761838.64
550	13+725.00	3948222.99	761846.66
551	13+750.00	3948247.32	761852.41
552	13+775.00	3948269.93	761862.72
553	13+800.00	3948292.97	761872.36
554	13+825.00	3948316.39	761880.84
555	13+850.00	3948340.91	761885.73
556	13+875.00	3948364.97	761892.17
557	13+900.00	3948384.12	761908.04
558	13+925.00	3948403.99	761922.85
559	13+950.00	3948427.36	761931.74
560	13+975.00	3948448.84	761944.30

CENTER LINE DATA			
S:No	Station	Northing	Easting
561	14+000.00	3948469.34	761958.57
562	14+025.00	3948490.54	761971.81
563	14+050.00	3948511.30	761985.74
564	14+075.00	3948532.08	761999.47
565	14+100.00	3948550.15	762014.92
566	14+125.00	3948572.85	762025.28
567	14+150.00	3948595.13	762036.61
568	14+175.00	3948618.42	762045.48
569	14+200.00	3948642.47	762045.16
570	14+225.00	3948663.35	762032.21
571	14+250.00	3948685.47	762035.28
572	14+275.00	3948694.48	762057.94
573	14+300.00	3948715.75	762071.04
574	14+325.00	3948739.01	762079.07
575	14+350.00	3948764.01	762079.09
576	14+375.00	3948789.01	762079.12
577	14+400.00	3948813.31	762074.61
578	14+425.00	3948836.33	762076.11
579	14+450.00	3948837.01	762099.84
580	14+475.00	3948851.03	762118.85
581	14+500.00	3948871.11	762133.73
582	14+525.00	3948890.67	762149.28
583	14+550.00	3948907.20	762167.88
584	14+575.00	3948922.57	762187.44
585	14+600.00	3948941.84	762203.23
586	14+625.00	3948952.07	762225.76
587	14+650.00	3948968.04	762244.95
588	14+675.00	3948984.49	762263.78
589	14+700.00	3949000.25	762283.19
590	14+725.00	3949015.13	762303.20
591	14+750.00	3949025.39	762325.57
592	14+775.00	3949039.15	762346.27
593	14+800.00	3949056.79	762363.99
594	14+825.00	3949075.10	762380.86
595	14+850.00	3949099.52	762385.99
596	14+875.00	3949115.09	762402.20
597	14+900.00	3949122.02	762426.17
598	14+925.00	3949122.74	762451.10
599	14+950.00	3949129.49	762475.15
600	14+975.00	3949136.69	762499.09


 Project Director (PIU)
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 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	 MINCONSULT SDN BHD (COMPANY NO 58835-P) J.V. CREATIVE ENGINEERING	REV: 0 DATE: AUG. 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S DATE: AUG.	SHEET CONTENT: CENTER LINE DATA

CENTER LINE DATA			
S:No	Station	Northing	Easting
721	18+000.00	3950634.87	764462.39
722	18+025.00	3950651.01	764481.49
723	18+050.00	3950667.14	764500.58
724	18+075.00	3950683.93	764519.11
725	18+100.00	3950700.76	764537.59
726	18+125.00	3950717.60	764556.08
727	18+150.00	3950734.30	764574.67
728	18+175.00	3950751.07	764593.22
729	18+200.00	3950769.15	764610.46
730	18+225.00	3950788.84	764625.80
731	18+250.00	3950810.49	764638.31
732	18+275.00	3950832.75	764649.59
733	18+300.00	3950856.99	764655.59
734	18+325.00	3950881.94	764655.75
735	18+350.00	3950906.76	764652.88
736	18+375.00	3950931.24	764647.80
737	18+400.00	3950955.73	764642.79
738	18+425.00	3950980.25	764637.92
739	18+450.00	3951004.68	764632.69
740	18+475.00	3951029.50	764631.84
741	18+500.00	3951050.68	764618.86
742	18+525.00	3951070.98	764604.27
743	18+550.00	3951092.22	764591.13
744	18+575.00	3951115.24	764581.46
745	18+600.00	3951138.91	764573.41
746	18+625.00	3951161.24	764562.50
747	18+650.00	3951184.40	764553.38
748	18+675.00	3951209.23	764550.92
749	18+700.00	3951233.87	764546.80
750	18+725.00	3951258.45	764542.79
751	18+750.00	3951282.60	764548.25
752	18+775.00	3951303.26	764562.22
753	18+800.00	3951327.16	764569.33
754	18+825.00	3951351.44	764575.28
755	18+850.00	3951375.72	764581.23
756	18+875.00	3951399.96	764587.36
757	18+900.00	3951424.11	764593.82
758	18+925.00	3951448.26	764600.27
759	18+950.00	3951469.90	764612.50
760	18+975.00	3951491.25	764625.03

CENTER LINE DATA			
S:No	Station	Northing	Easting
761	19+000.00	3951513.84	764635.73
762	19+025.00	3951536.18	764646.96
763	19+050.00	3951558.99	764657.18
764	19+075.00	3951581.06	764668.91
765	19+100.00	3951602.84	764681.17
766	19+125.00	3951623.08	764695.85
767	19+150.00	3951642.01	764712.10
768	19+175.00	3951659.65	764729.82
769	19+200.00	3951678.75	764745.64
770	19+225.00	3951703.33	764749.60
771	19+250.00	3951726.76	764757.42
772	19+275.00	3951749.61	764767.23
773	19+300.00	3951769.51	764782.16
774	19+325.00	3951786.39	764800.59
775	19+350.00	3951805.31	764802.31
776	19+375.00	3951823.79	764785.48
777	19+400.00	3951845.24	764795.43
778	19+425.00	3951865.86	764809.54
779	19+450.00	3951887.33	764821.86
780	19+475.00	3951906.37	764837.35
781	19+500.00	3951930.37	764843.13
782	19+525.00	3951953.70	764851.81
783	19+550.00	3951978.24	764856.54
784	19+575.00	3952000.97	764866.84
785	19+600.00	3952023.24	764878.19
786	19+625.00	3952045.49	764889.60
787	19+650.00	3952067.15	764902.08
788	19+675.00	3952088.65	764914.83
789	19+700.00	3952108.93	764929.44
790	19+725.00	3952129.89	764943.07
791	19+750.00	3952150.86	764956.68
792	19+775.00	3952171.74	764970.42
793	19+800.00	3952194.89	764979.76
794	19+825.00	3952215.82	764993.19
795	19+850.00	3952233.37	765010.90
796	19+875.00	3952251.81	765027.66
797	19+900.00	3952268.81	765045.80
798	19+925.00	3952283.25	765066.20
799	19+950.00	3952300.42	765084.11
800	19+975.00	3952323.37	765093.87

CENTER LINE DATA			
S:No	Station	Northing	Easting
801	20+000.00	3952347.10	765101.72
802	20+025.00	3952388.93	765116.26
803	20+050.00	3952411.47	765127.08
804	20+075.00	3952433.82	765138.27
805	20+100.00	3952455.70	765150.36
806	20+125.00	3952477.52	765162.57
807	20+150.00	3952500.07	765172.01
808	20+175.00	3952523.39	765180.07
809	20+200.00	3952545.17	765192.33
810	20+225.00	3952567.20	765204.13
811	20+250.00	3952590.55	765213.05
812	20+275.00	3952613.87	765221.87
813	20+300.00	3952638.26	765227.30
814	20+325.00	3952661.53	765236.31
815	20+350.00	3952682.22	765249.49
816	20+375.00	3952706.38	765254.81
817	20+400.00	3952729.39	765264.57
818	20+425.00	3952752.39	765274.39
819	20+450.00	3952773.41	765287.87
820	20+475.00	3952794.19	765301.75
821	20+500.00	3952818.23	765308.28
822	20+525.00	3952838.75	765322.32
823	20+550.00	3952862.20	765330.58
824	20+575.00	3952884.56	765341.76
825	20+600.00	3952907.96	765350.38
826	20+625.00	3952930.54	765361.10
827	20+650.00	3952954.78	765367.00
828	20+675.00	3952979.42	765370.86
829	20+700.00	3953004.29	765373.46
830	20+725.00	3953029.15	765376.06
831	20+750.00	3953053.93	765379.26
832	20+775.00	3953078.10	765385.60
833	20+800.00	3953102.93	765388.46
834	20+825.00	3953127.84	765390.54
835	20+850.00	3953152.44	765394.64
836	20+875.00	3953176.71	765400.65
837	20+900.00	3953200.54	765408.04
838	20+925.00	3953221.99	765420.83
839	20+950.00	3953245.84	765427.51
840	20+975.00	3953270.54	765431.37

Project Director (PIU)
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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA
								DATE: AUG,	

CENTER LINE DATA			
S:No	Station	Northing	Easting
841	21+000.00	3953295.23	765435.27
842	21+025.00	3953318.06	765445.10
843	21+050.00	3953337.47	765460.81
844	21+075.00	3953357.66	765475.41
845	21+100.00	3953379.50	765487.56
846	21+125.00	3953402.38	765497.63
847	21+150.00	3953425.04	765508.18
848	21+175.00	3953449.11	765514.83
849	21+200.00	3953474.03	765514.77
850	21+225.00	3953498.83	765517.80
851	21+250.00	3953523.56	765517.18
852	21+275.00	3953547.93	765511.59
853	21+300.00	3953572.29	765506.00
854	21+325.00	3953596.11	765498.48
855	21+350.00	3953619.25	765489.03
856	21+375.00	3953643.37	765482.89
857	21+400.00	3953663.13	765471.48
858	21+425.00	3953685.47	765463.04
859	21+450.00	3953698.95	765442.45
860	21+475.00	3953716.05	765425.53
861	21+500.00	3953740.96	765425.28
862	21+525.00	3953765.94	765424.92
863	21+550.00	3953789.49	765417.68
864	21+575.00	3953809.36	765402.51
865	21+600.00	3953824.56	765382.79
866	21+625.00	3953846.13	765370.47
867	21+650.00	3953867.70	765357.90
868	21+675.00	3953892.03	765352.69
869	21+700.00	3953916.63	765348.39
870	21+725.00	3953941.38	765350.72
871	21+750.00	3953964.90	765359.17
872	21+775.00	3953987.65	765369.38
873	21+800.00	3954006.62	765385.58
874	21+825.00	3954024.57	765402.98
875	21+850.00	3954039.86	765422.57
876	21+875.00	3954057.48	765439.41
877	21+900.00	3954081.41	765446.29
878	21+925.00	3954103.87	765456.83
879	21+950.00	3954128.78	765458.90
880	21+975.00	3954153.45	765462.97

CENTER LINE DATA			
S:No	Station	Northing	Easting
881	22+000.00	3954177.94	765467.86
882	22+025.00	3954201.96	765474.78
883	22+050.00	3954225.26	765483.42
884	22+075.00	3954245.48	765498.12
885	22+100.00	3954264.42	765514.40
886	22+125.00	3954284.54	765529.24
887	22+150.00	3954306.27	765541.32
888	22+175.00	3954330.94	765544.70
889	22+200.00	3954354.36	765538.24
890	22+225.00	3954375.87	765525.54
891	22+250.00	3954397.85	765514.40
892	22+275.00	3954422.42	765509.90
893	22+300.00	3954439.54	765492.25
894	22+325.00	3954463.95	765490.17
895	22+350.00	3954488.26	765492.10
896	22+375.00	3954512.08	765484.56
897	22+400.00	3954535.84	765477.05
898	22+425.00	3954558.38	765486.87
899	22+450.00	3954580.60	765498.16
900	22+475.00	3954602.02	765510.84
901	22+500.00	3954625.50	765518.68
902	22+525.00	3954647.15	765531.04
903	22+550.00	3954668.84	765543.41
904	22+575.00	3954692.03	765551.98
905	22+600.00	3954716.79	765555.26
906	22+625.00	3954740.38	765563.52
907	22+650.00	3954764.27	765570.66
908	22+675.00	3954788.84	765574.13
909	22+700.00	3954811.01	765585.12
910	22+725.00	3954832.61	765597.37
911	22+750.00	3954852.22	765612.75
912	22+775.00	3954876.59	765617.66
913	22+800.00	3954901.27	765619.54
914	22+825.00	3954926.08	765617.03
915	22+850.00	3954943.84	765601.24
916	22+875.00	3954962.43	765589.71
917	22+900.00	3954986.10	765596.21
918	22+925.00	3954995.20	765618.84
919	22+950.00	3954996.72	765643.21
920	22+975.00	3955010.05	765664.30

CENTER LINE DATA			
S:No	Station	Northing	Easting
921	23+000.00	3955015.68	765688.64
922	23+025.00	3955028.89	765708.85
923	23+050.00	3955047.85	765725.13
924	23+075.00	3955066.00	765742.33
925	23+100.00	3955080.74	765762.01
926	23+125.00	3955088.81	765784.94
927	23+150.00	3955105.05	765803.95
928	23+175.00	3955121.31	765822.94
929	23+200.00	3955135.38	765843.37
930	23+225.00	3955144.32	765866.72
931	23+250.00	3955153.75	765889.86
932	23+275.00	3955165.51	765911.92
933	23+300.00	3955177.29	765933.97
934	23+325.00	3955191.88	765954.24
935	23+350.00	3955208.69	765970.60
936	23+375.00	3955230.28	765984.91
937	23+400.00	3955252.30	765995.57
938	23+425.00	3955271.71	766011.29
939	23+450.00	3955290.77	766027.46
940	23+475.00	3955309.47	766044.04
941	23+500.00	3955325.42	766063.19
942	23+525.00	3955338.67	766084.13
943	23+550.00	3955354.22	766103.43
944	23+575.00	3955366.28	766125.30
945	23+600.00	3955375.09	766148.69
946	23+625.00	3955385.63	766171.25
947	23+650.00	3955385.88	766195.92
948	23+675.00	3955396.86	766218.37
949	23+700.00	3955409.68	766239.83
950	23+725.00	3955424.29	766260.04
951	23+750.00	3955443.99	766275.30
952	23+775.00	3955465.20	766288.54
953	23+800.00	3955486.55	766301.52
954	23+825.00	3955510.15	766309.72
955	23+850.00	3955532.07	766321.15
956	23+875.00	3955554.43	766331.74
957	23+900.00	3955578.85	766336.89
958	23+925.00	3955603.26	766341.68
959	23+950.00	3955625.00	766353.92
960	23+975.00	3955642.36	766371.84

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Project Director (PIU)
Rural Road Development Project
Khyber Pakhtunkhwa

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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P)	0	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA
	J.V.	c			DRAWN: MANSOOR DURRANI			DATE:	
	CREATIVE ENGINEERING	b			CHECKED: SHAHZAD DURRANI			AUG.	

CENTER LINE DATA			
S:No	Station	Northing	Easting
961	24+000.00	3955662.68	766386.38
962	24+025.00	3955683.16	766400.72
963	24+050.00	3955704.03	766414.46
964	24+075.00	3955726.10	766426.19
965	24+100.00	3955748.77	766436.74
966	24+125.00	3955771.43	766447.29
967	24+150.00	3955794.14	766457.74
968	24+175.00	3955817.21	766467.38
969	24+200.00	3955840.31	766476.94
970	24+225.00	3955862.26	766488.76
971	24+250.00	3955880.35	766505.93
972	24+275.00	3955900.26	766520.77
973	24+300.00	3955924.60	766525.83
974	24+325.00	3955945.52	766539.34
975	24+350.00	3955967.43	766550.75
976	24+375.00	3955991.59	766557.18
977	24+400.00	3956015.55	766564.24
978	24+425.00	3956037.57	766575.96
979	24+450.00	3956057.84	766590.60
980	24+475.00	3956077.34	766606.17
981	24+500.00	3956091.40	766626.70
982	24+525.00	3956103.40	766648.55
983	24+550.00	3956118.32	766668.57
984	24+575.00	3956132.55	766689.05
985	24+600.00	3956149.41	766707.51
986	24+625.00	3956168.19	766723.63
987	24+650.00	3956189.71	766736.29
988	24+675.00	3956214.33	766740.49
989	24+700.00	3956236.16	766752.14
990	24+725.00	3956259.09	766762.10
991	24+750.00	3956282.11	766771.84
992	24+775.00	3956305.92	766779.01
993	24+800.00	3956330.76	766781.83
994	24+825.00	3956355.34	766786.03
995	24+850.00	3956380.33	766786.47
996	24+875.00	3956405.24	766784.29
997	24+900.00	3956430.17	766782.80
998	24+925.00	3956454.69	766787.09
999	24+950.00	3956472.78	766803.94
1000	24+975.00	3956489.72	766822.21

CENTER LINE DATA			
S:No	Station	Northing	Easting
1001	25+000.00	3956511.46	766834.55
1002	25+025.00	3956532.27	766848.34
1003	25+050.00	3956550.00	766865.87
1004	25+075.00	3956561.55	766888.01
1005	25+100.00	3956570.47	766911.36
1006	25+125.00	3956577.90	766935.22
1007	25+150.00	3956585.60	766959.01
1008	25+175.00	3956592.64	766982.99
1009	25+200.00	3956598.84	767007.21
1010	25+225.00	3956603.78	767031.72
1011	25+250.00	3956611.39	767055.42
1012	25+275.00	3956622.98	767077.47
1013	25+300.00	3956634.14	767099.69
1014	25+325.00	3956641.23	767122.16
1015	25+350.00	3956641.38	767146.95
1016	25+375.00	3956639.60	767171.78
1017	25+400.00	3956634.69	767196.26
1018	25+425.00	3956634.60	767221.00
1019	25+450.00	3956627.05	767244.83
1020	25+475.00	3956630.76	767269.14
1021	25+500.00	3956621.40	767292.01
1022	25+525.00	3956608.01	767312.75
1023	25+550.00	3956610.74	767337.30
1024	25+575.00	3956614.80	767361.82
1025	25+600.00	3956634.50	767376.39
1026	25+625.00	3956630.91	767400.74
1027	25+650.00	3956616.27	767420.63
1028	25+675.00	3956602.68	767441.55
1029	25+700.00	3956596.95	767465.28
1030	25+725.00	3956596.14	767489.96
1031	25+750.00	3956588.18	767513.51
1032	25+775.00	3956572.29	767530.95
1033	25+800.00	3956550.48	767536.46
1034	25+825.00	3956552.34	767561.26
1035	25+850.00	3956558.54	767585.41
1036	25+875.00	3956560.40	767610.34
1037	25+900.00	3956561.22	767635.28
1038	25+925.00	3956571.77	767657.65
1039	25+950.00	3956588.86	767675.89
1040	25+975.00	3956603.53	767695.80



CENTER LINE DATA			
S:No	Station	Northing	Easting
1041	26+000.00	3956610.07	767719.93
1042	26+025.00	3956622.62	767740.47
1043	26+050.00	3956640.21	767757.96
1044	26+075.00	3956658.41	767775.08
1045	26+100.00	3956676.69	767792.10
1046	26+125.00	3956689.87	767813.21
1047	26+150.00	3956701.60	767834.88
1048	26+175.00	3956719.78	767851.99
1049	26+200.00	3956737.89	767869.17
1050	26+225.00	3956754.88	767887.42
1051	26+250.00	3956776.48	767899.75
1052	26+275.00	3956797.97	767912.34
1053	26+300.00	3956818.45	767926.36
1054	26+325.00	3956839.80	767939.19
1055	26+350.00	3956861.01	767952.19
1056	26+375.00	3956875.55	767972.35
1057	26+400.00	3956892.95	767990.17
1058	26+425.00	3956906.35	768011.23
1059	26+450.00	3956922.45	768030.26
1060	26+475.00	3956934.68	768052.04
1061	26+500.00	3956947.45	768073.53
1062	26+525.00	3956960.82	768094.64
1063	26+550.00	3956975.91	768114.57
1064	26+575.00	3956990.47	768134.71
1065	26+600.00	3957001.03	768157.37
1066	26+625.00	3957015.00	768178.00
1067	26+650.00	3957030.13	768197.89
1068	26+675.00	3957034.27	768222.33
1069	26+700.00	3957053.16	768238.23
1070	26+725.00	3957064.00	768259.21
1071	26+750.00	3957077.33	768279.03
1072	26+775.00	3957096.18	768295.22
1073	26+800.00	3957112.86	768313.58
1074	26+825.00	3957131.81	768329.85
1075	26+850.00	3957149.30	768347.68
1076	26+875.00	3957167.77	768364.49
1077	26+900.00	3957179.48	768386.47
1078	26+925.00	3957191.98	768407.84
1079	26+950.00	3957204.00	768429.74
1080	26+975.00	3957222.73	768445.15

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

(Handwritten signature)

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

CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA	
		1			DRAWN	MANSOOR DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		2			CHECKED	SHAHZAD DURRANI				AUG.

CENTER LINE DATA			
S:No	Station	Northing	Easting
1081	27+000.00	3957246.47	768453.00
1082	27+025.00	3957269.40	768462.78
1083	27+050.00	3957289.96	768476.96
1084	27+075.00	3957308.97	768493.15
1085	27+100.00	3957330.03	768506.63
1086	27+125.00	3957352.38	768517.27
1087	27+150.00	3957376.71	768522.20
1088	27+175.00	3957398.18	768535.00
1089	27+200.00	3957419.09	768548.65
1090	27+225.00	3957439.81	768562.22
1091	27+250.00	3957461.13	768572.36
1092	27+275.00	3957474.59	768592.45
1093	27+300.00	3957496.56	768604.36
1094	27+325.00	3957515.02	768621.16
1095	27+350.00	3957535.68	768635.24
1096	27+375.00	3957551.82	768653.02
1097	27+400.00	3957564.90	768673.70
1098	27+425.00	3957586.89	768685.57
1099	27+450.00	3957605.95	768701.54
1100	27+475.00	3957626.87	768713.09
1101	27+500.00	3957651.80	768713.27
1102	27+525.00	3957654.52	768735.07
1103	27+550.00	3957655.87	768759.52
1104	27+575.00	3957671.11	768779.13
1105	27+600.00	3957689.51	768796.06
1106	27+625.00	3957704.02	768816.27
1107	27+650.00	3957723.12	768832.28
1108	27+675.00	3957736.95	768853.10
1109	27+700.00	3957752.18	768872.44
1110	27+725.00	3957769.75	768887.25
1111	27+750.00	3957783.45	768906.71
1112	27+775.00	3957802.05	768922.70
1113	27+800.00	3957803.92	768941.55
1114	27+825.00	3957815.35	768962.71
1115	27+850.00	3957830.87	768982.30
1116	27+875.00	3957846.40	769001.89
1117	27+900.00	3957860.84	769022.27
1118	27+925.00	3957872.87	769044.18
1119	27+950.00	3957881.32	769067.64
1120	27+975.00	3957884.45	769092.28

CENTER LINE DATA			
S:No	Station	Northing	Easting
1121	28+000.00	3957893.66	769115.53
1122	28+025.00	3957899.06	769139.81
1123	28+050.00	3957903.08	769164.48
1124	28+075.00	3957907.36	769189.11
1125	28+100.00	3957911.33	769213.78
1126	28+125.00	3957910.35	769238.76
1127	28+150.00	3957909.87	769263.75
1128	28+175.00	3957909.93	769288.70
1129	28+200.00	3957928.73	769303.77
1130	28+225.00	3957918.58	769323.39
1131	28+250.00	3957913.89	769346.30
1132	28+275.00	3957921.58	769370.04
1133	28+300.00	3957931.42	769393.02
1134	28+325.00	3957941.27	769416.00
1135	28+350.00	3957950.49	769439.23
1136	28+375.00	3957961.89	769461.46
1137	28+400.00	3957972.09	769484.26
1138	28+425.00	3957982.85	769506.79
1139	28+450.00	3957990.79	769530.49
1140	28+475.00	3957998.73	769554.20
1141	28+500.00	3958004.46	769578.48
1142	28+525.00	3958014.03	769601.43
1143	28+550.00	3958024.60	769624.09
1144	28+575.00	3958040.49	769641.39
1145	28+600.00	3958051.33	769662.15
1146	28+625.00	3958064.42	769682.79
1147	28+650.00	3958071.16	769706.86
1148	28+675.00	3958073.07	769731.71
1149	28+700.00	3958071.53	769756.67
1150	28+725.00	3958069.24	769781.56
1151	28+750.00	3958069.78	769806.54
1152	28+775.00	3958074.12	769830.95
1153	28+800.00	3958078.66	769855.39
1154	28+825.00	3958078.64	769880.37
1155	28+850.00	3958077.76	769905.35
1156	28+875.00	3958075.82	769930.25
1157	28+900.00	3958073.93	769955.17
1158	28+925.00	3958067.08	769979.19
1159	28+950.00	3958071.15	770000.63
1160	28+975.00	3958094.59	770009.13

CENTER LINE DATA			
S:No	Station	Northing	Easting
1161	29+000.00	3958108.72	770026.58
1162	29+025.00	3958115.57	770050.34
1163	29+050.00	3958125.12	770073.44
1164	29+075.00	3958133.80	770096.87
1165	29+100.00	3958148.04	770117.23
1166	29+125.00	3958151.73	770141.87
1167	29+150.00	3958158.92	770165.77
1168	29+175.00	3958165.36	770189.84
1169	29+200.00	3958171.29	770214.10
1170	29+225.00	3958174.11	770238.92
1171	29+250.00	3958178.05	770262.75
1172	29+275.00	3958199.25	770275.18
1173	29+300.00	3958216.71	770292.93
1174	29+325.00	3958230.98	770313.24
1175	29+350.00	3958249.08	770330.34
1176	29+375.00	3958268.14	770344.74
1177	29+400.00	3958281.54	770365.67
1178	29+425.00	3958291.59	770388.56
1179	29+450.00	3958307.62	770407.67
1180	29+475.00	3958321.49	770428.32
1181	29+500.00	3958335.62	770448.76
1182	29+525.00	3958349.93	770469.10
1183	29+550.00	3958370.25	770483.61
1184	29+575.00	3958388.71	770500.44
1185	29+600.00	3958407.20	770517.22
1186	29+625.00	3958429.96	770527.52
1187	29+650.00	3958449.95	770542.15
1188	29+675.00	3958470.82	770555.60
1189	29+700.00	3958488.38	770572.42
1190	29+725.00	3958508.66	770586.95
1191	29+750.00	3958530.27	770599.10
1192	29+775.00	3958549.22	770615.20
1193	29+800.00	3958566.98	770632.54
1194	29+825.00	3958582.83	770651.87
1195	29+850.00	3958597.09	770672.40
1196	29+875.00	3958614.26	770689.73
1197	29+900.00	3958626.60	770710.73
1198	29+925.00	3958641.06	770730.98
1199	29+950.00	3958658.38	770748.96
1200	29+975.00	3958678.73	770763.45

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

[Handwritten signature]






<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 58835-P)	a	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA
	J.V.	c			DRAWN: MANSOOR DURRANI			DATE:	
	CREATIVE ENGINEERING	b			CHECKED: SHAHZAD DURRANI			AUG	

CENTER LINE DATA			
S:No	Station	Northing	Easting
1201	30+000.00	3,958,699.45	770,776.99
1202	30+025.00	3,958,722.91	770,785.63
1203	30+050.00	3,958,743.82	770,799.14
1204	30+075.00	3,958,765.79	770,807.13
1205	30+100.00	3,958,783.57	770,823.13
1206	30+125.00	3,958,807.49	770,830.11
1207	30+150.00	3,958,830.42	770,839.24
1208	30+175.00	3,958,854.07	770,837.40
1209	30+200.00	3,958,875.11	770,836.71
1210	30+225.00	3,958,877.95	770,859.45
1211	30+250.00	3,958,898.15	770,874.16
1212	30+275.00	3,958,916.41	770,891.23
1213	30+300.00	3,958,938.15	770,900.82
1214	30+325.00	3,958,954.42	770,917.48
1215	30+350.00	3,958,969.24	770,936.61
1216	30+375.00	3,958,989.64	770,950.60
1217	30+400.00	3,959,008.72	770,965.48
1218	30+425.00	3,959,018.54	770,988.47
1219	30+450.00	3,959,031.68	771,009.66
1220	30+475.00	3,959,051.76	771,022.84
1221	30+500.00	3,959,074.40	771,013.86
1222	30+525.00	3,959,094.63	771,025.04
1223	30+550.00	3,959,111.77	771,043.23
1224	30+575.00	3,959,132.51	771,056.16
1225	30+600.00	3,959,156.72	771,060.60
1226	30+625.00	3,959,181.41	771,056.94
1227	30+650.00	3,959,205.21	771,064.01
1228	30+675.00	3,959,230.18	771,065.20
1229	30+700.00	3,959,255.16	771,066.40
1230	30+725.00	3,959,280.13	771,067.59
1231	30+750.00	3,959,305.07	771,069.30
1232	30+775.00	3,959,330.01	771,071.07
1233	30+800.00	3,959,353.98	771,077.50
1234	30+825.00	3,959,377.04	771,087.15
1235	30+850.00	3,959,400.87	771,094.55
1236	30+875.00	3,959,423.24	771,105.54
1237	30+900.00	3,959,446.62	771,114.12
1238	30+925.00	3,959,470.31	771,121.91
1239	30+950.00	3,959,493.86	771,129.54

CENTER LINE DATA			
S:No	Station	Northing	Easting
1241	31+000.00	3,959,538.86	771,149.90
1242	31+025.00	3,959,558.45	771,165.41
1243	31+050.00	3,959,582.37	771,172.12
1244	31+075.00	3,959,606.16	771,178.46
1245	31+100.00	3,959,631.05	771,176.13
1246	31+125.00	3,959,642.82	771,189.69
1247	31+150.00	3,959,642.54	771,213.97
1248	31+175.00	3,959,662.95	771,227.28
1249	31+200.00	3,959,686.36	771,236.00
1250	31+225.00	3,959,710.95	771,240.45
1251	31+250.00	3,959,734.56	771,236.88
1252	31+275.00	3,959,754.73	771,222.13
1253	31+300.00	3,959,778.78	771,222.11
1254	31+325.00	3,959,801.12	771,231.06
1255	31+350.00	3,959,799.57	771,255.94
1256	31+375.00	3,959,808.52	771,278.76
1257	31+400.00	3,959,827.98	771,294.38
1258	31+425.00	3,959,851.95	771,300.00
1259	31+450.00	3,959,872.42	771,312.77
1260	31+475.00	3,959,889.90	771,330.52
1261	31+500.00	3,959,908.89	771,346.78
1262	31+525.00	3,959,927.51	771,363.47
1263	31+550.00	3,959,946.78	771,379.28
1264	31+575.00	3,959,969.99	771,388.56
1265	31+600.00	3,959,992.99	771,398.17
1266	31+625.00	3,960,001.76	771,421.47
1267	31+650.00	3,960,013.91	771,442.91
1268	31+675.00	3,960,030.82	771,461.32
1269	31+700.00	3,960,047.74	771,479.73
1270	31+725.00	3,960,065.51	771,497.21
1271	31+750.00	3,960,089.37	771,502.96
1272	31+775.00	3,960,114.19	771,501.26
1273	31+800.00	3,960,114.56	771,524.50
1274	31+825.00	3,960,129.27	771,542.66
1275	31+850.00	3,960,150.72	771,547.85
1276	31+875.00	3,960,151.42	771,572.84
1277	31+900.00	3,960,152.45	771,597.81
1278	31+925.00	3,960,165.29	771,618.63
1279	31+950.00	3,960,183.38	771,635.89

CENTER LINE DATA			
S:No	Station	Northing	Easting
1281	32+000.00	3,960,213.16	771,675.79
1282	32+025.00	3,960,226.49	771,696.94
1283	32+050.00	3,960,241.04	771,717.10
1284	32+075.00	3,960,264.77	771,720.99
1285	32+100.00	3,960,289.12	771,715.36
1286	32+125.00	3,960,313.65	771,710.59
1287	32+150.00	3,960,338.57	771,708.59
1288	32+175.00	3,960,363.20	771,704.48
1289	32+200.00	3,960,387.30	771,697.86
1290	32+225.00	3,960,412.06	771,694.64
1291	32+250.00	3,960,437.03	771,693.36
1292	32+275.00	3,960,457.61	771,680.01
1293	32+300.00	3,960,481.88	771,674.83
1294	32+325.00	3,960,503.16	771,678.68
1295	32+350.00	3,960,494.91	771,702.02
1296	32+375.00	3,960,481.27	771,722.46
1297	32+400.00	3,960,462.50	771,738.98
1298	32+425.00	3,960,443.91	771,755.58
1299	32+450.00	3,960,423.56	771,769.66
1300	32+475.00	3,960,407.15	771,788.45
1301	32+500.00	3,960,387.39	771,803.70
1302	32+525.00	3,960,370.40	771,820.65
1303	32+550.00	3,960,383.38	771,841.59
1304	32+575.00	3,960,397.92	771,861.93
1305	32+600.00	3,960,418.65	771,875.56
1306	32+625.00	3,960,440.12	771,888.18
1307	32+650.00	3,960,462.80	771,898.61
1308	32+675.00	3,960,485.56	771,908.88
1309	32+700.00	3,960,509.05	771,917.46
1310	32+725.00	3,960,532.75	771,925.36
1311	32+750.00	3,960,557.53	771,928.39
1312	32+775.00	3,960,582.45	771,930.35
1313	32+800.00	3,960,592.49	771,946.52
1314	32+825.00	3,960,593.33	771,971.09
1315	32+850.00	3,960,602.18	771,994.42
1316	32+875.00	3,960,615.84	772,015.30
1317	32+900.00	3,960,632.23	772,034.18
1318	32+925.00	3,960,648.15	772,053.45
1319	32+950.00	3,960,664.09	772,072.68

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

 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)  MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV: 0 DATE: AUG, 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S DATE: AUG	SHEET CONTENT: CENTER LINE DATA
							
	PROJECT APPROVED ROAD						

CENTER LINE DATA			
S:No	Station	Northing	Easting
1321	33+000.00	3,960,700.55	772,105.96
1322	33+025.00	3,960,721.23	772,119.27
1323	33+050.00	3,960,733.28	772,140.99
1324	33+075.00	3,960,757.28	772,147.59
1325	33+100.00	3,960,781.62	772,152.89
1326	33+125.00	3,960,805.54	772,160.15
1327	33+150.00	3,960,827.09	772,172.61
1328	33+175.00	3,960,850.40	772,181.52
1329	33+200.00	3,960,872.13	772,189.82
1330	33+225.00	3,960,887.53	772,208.90
1331	33+250.00	3,960,907.43	772,223.10
1332	33+275.00	3,960,921.35	772,243.87
1333	33+300.00	3,960,936.62	772,263.54
1334	33+325.00	3,960,950.57	772,282.13
1335	33+350.00	3,960,952.06	772,303.25
1336	33+375.00	3,960,970.55	772,319.92
1337	33+400.00	3,960,987.99	772,337.07
1338	33+425.00	3,961,001.35	772,358.19
1339	33+450.00	3,961,012.31	772,380.66
1340	33+475.00	3,961,016.81	772,404.72
1341	33+500.00	3,961,021.71	772,428.46
1342	33+525.00	3,961,034.64	772,449.83
1343	33+550.00	3,961,049.45	772,469.96
1344	33+575.00	3,961,064.89	772,489.61
1345	33+600.00	3,961,082.74	772,507.11
1346	33+625.00	3,961,097.67	772,527.09
1347	33+650.00	3,961,113.43	772,546.40
1348	33+675.00	3,961,133.34	772,561.50
1349	33+700.00	3,961,154.48	772,574.17
1350	33+725.00	3,961,172.53	772,558.39
1351	33+750.00	3,961,182.36	772,535.41
1352	33+775.00	3,961,201.12	772,541.46
1353	33+800.00	3,961,218.31	772,559.56
1354	33+825.00	3,961,227.82	772,582.49
1355	33+850.00	3,961,234.21	772,606.66
1356	33+875.00	3,961,236.40	772,631.51
1357	33+900.00	3,961,239.33	772,656.28
1358	33+925.00	3,961,244.22	772,680.79
1359	33+950.00	3,961,256.79	772,702.18
1360	33+975.00	3,961,272.24	772,721.83

CENTER LINE DATA			
S:No	Station	Northing	Easting
1361	34+000.00	3961308.45	772775.33
1362	34+025.00	3961309.52	772800.25
1363	34+050.00	3961312.62	772825.04
1364	34+075.00	3961319.70	772849.01
1365	34+100.00	3961328.16	772872.41
1366	34+125.00	3961340.93	772893.30
1367	34+150.00	3961363.33	772883.71
1368	34+175.00	3961386.15	772873.56
1369	34+200.00	3961408.75	772862.94
1370	34+225.00	3961431.34	772852.26
1371	34+250.00	3961455.21	772844.89
1372	34+275.00	3961479.29	772838.16
1373	34+300.00	3961501.03	772844.32
1374	34+325.00	3961516.10	772864.24
1375	34+350.00	3961534.56	772880.89
1376	34+375.00	3961552.68	772898.02
1377	34+400.00	3961573.73	772911.41
1378	34+425.00	3961587.09	772932.38
1379	34+450.00	3961602.55	772951.23
1380	34+475.00	3961627.20	772955.08
1381	34+500.00	3961649.58	772965.61
1382	34+525.00	3961669.93	772980.14
1383	34+550.00	3961689.69	772995.40
1384	34+575.00	3961710.42	773009.00
1385	34+600.00	3961733.04	773019.65
1386	34+625.00	3961757.24	773016.87
1387	34+650.00	3961781.33	773010.22
1388	34+675.00	3961805.43	773003.56
1389	34+700.00	3961829.66	772997.65
1390	34+725.00	3961853.73	773004.16
1391	34+750.00	3961877.62	773011.51
1392	34+775.00	3961901.14	773019.96
1393	34+800.00	3961924.19	773029.64
1394	34+825.00	3961947.24	773039.31
1395	34+850.00	3961970.29	773048.99
1396	34+875.00	3961993.69	773057.30
1397	34+900.00	3962016.44	773047.31
1398	34+925.00	3962029.34	773064.03
1399	34+950.00	3962036.53	773087.62
1400	34+975.00	3962056.24	773102.27

CENTER LINE DATA			
S:No	Station	Northing	Easting
1401	35+000.00	3962079.96	773109.84
1402	35+025.00	3962097.74	773127.38
1403	35+050.00	3962113.82	773146.49
1404	35+075.00	3962129.65	773165.83
1405	35+100.00	3962145.98	773184.76
1406	35+125.00	3962162.54	773203.48
1407	35+150.00	3962185.53	773211.65
1408	35+175.00	3962209.08	773219.46
1409	35+200.00	3962231.09	773231.33
1410	35+225.00	3962253.97	773241.24
1411	35+250.00	3962277.58	773249.47
1412	35+275.00	3962300.94	773258.31
1413	35+300.00	3962323.79	773268.40
1414	35+325.00	3962347.27	773276.97
1415	35+350.00	3962369.68	773287.77
1416	35+375.00	3962390.02	773302.30
1417	35+400.00	3962405.69	773321.38
1418	35+425.00	3962418.03	773343.12
1419	35+450.00	3962429.54	773365.30
1420	35+475.00	3962444.79	773385.07
1421	35+500.00	3962459.26	773405.32
1422	35+525.00	3962468.72	773428.41
1423	35+550.00	3962481.98	773449.60
1424	35+575.00	3962495.80	773470.42
1425	35+600.00	3962511.10	773490.20
1426	35+625.00	3962528.19	773508.31
1427	35+650.00	3962549.21	773521.83
1428	35+675.00	3962568.51	773537.53
1429	35+700.00	3962587.96	773553.14
1430	35+725.00	3962608.80	773566.95
1431	35+750.00	3962629.74	773580.61
1432	35+775.00	3962652.79	773590.08
1433	35+800.00	3962675.01	773600.30
1434	35+825.00	3962692.06	773618.58
1435	35+850.00	3962712.38	773633.00
1436	35+875.00	3962735.09	773645.43
1437	35+900.00	3962758.51	773652.07
1438	35+925.00	3962778.89	773666.49
1439	35+950.00	3962798.75	773681.67
1440	35+975.00	3962818.60	773696.86

Project Director (P.U.)
 Provincial Road Improvement Project
 Sindh Development Programme



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)	REV: 0	DATE: AUG, 2024	DESCRIPTION: TENDER DRAWINGS	NAMES: G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S	SHEET CONTENT: CENTER LINE DATA	
	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	1	2	3	4	5	6	7	DATE: AUG,	8

CENTER LINE DATA			
S:No	Station	Northing	Easting
1441	36+000.00	3962838.46	773712.05
1442	36+025.00	3962858.38	773727.16
1443	36+050.00	3962880.31	773739.06
1444	36+075.00	3962903.16	773749.19
1445	36+100.00	3962926.01	773759.33
1446	36+125.00	3962927.33	773780.05
1447	36+150.00	3962911.54	773796.59
1448	36+175.00	3962919.03	773820.44
1449	36+200.00	3962926.58	773844.28
1450	36+225.00	3962938.20	773866.32
1451	36+250.00	3962952.08	773887.11
1452	36+275.00	3962968.12	773905.50
1453	36+300.00	3962989.82	773917.91
1454	36+325.00	3963006.87	773935.71
1455	36+350.00	3963021.31	773954.94
1456	36+375.00	3963042.85	773967.60
1457	36+400.00	3963062.92	773982.50
1458	36+425.00	3963082.89	773997.55
1459	36+450.00	3963103.67	774010.85
1460	36+475.00	3963124.86	773998.23
1461	36+500.00	3963145.25	773983.77
1462	36+525.00	3963167.58	773972.63
1463	36+550.00	3963190.47	773962.59
1464	36+575.00	3963213.36	773952.54
1465	36+600.00	3963236.77	773943.98
1466	36+625.00	3963261.72	773942.97
1467	36+650.00	3963283.84	773945.91
1468	36+675.00	3963297.16	773967.07
1469	36+700.00	3963299.74	773988.81
1470	36+725.00	3963283.15	774007.49
1471	36+750.00	3963279.65	774028.74
1472	36+775.00	3963298.86	774042.58
1473	36+800.00	3963323.25	774047.25
1474	36+825.00	3963342.64	774062.94
1475	36+850.00	3963366.76	774068.36
1476	36+875.00	3963391.48	774070.85
1477	36+900.00	3963409.69	774087.96
1478	36+925.00	3963428.83	774104.01
1479	36+950.00	3963447.71	774119.88
1480	36+975.00	3963454.34	774143.98

CENTER LINEDATA			
S:No	Station	Northing	Easting
1481	37+000.00	3963471.21	774161.14
1482	37+025.00	3963495.28	774167.83
1483	37+050.00	3963515.95	774181.60
1484	37+075.00	3963535.45	774197.24
1485	37+100.00	3963551.85	774215.76
1486	37+125.00	3963564.91	774236.93
1487	37+150.00	3963582.42	774253.72
1488	37+175.00	3963598.64	774271.66
1489	37+200.00	3963613.06	774291.61
1490	37+225.00	3963624.91	774313.62
1491	37+250.00	3963638.54	774334.57
1492	37+275.00	3963654.27	774353.94
1493	37+300.00	3963668.63	774374.34
1494	37+325.00	3963684.77	774393.43
1495	37+350.00	3963697.21	774415.07
1496	37+375.00	3963710.16	774436.42
1497	37+400.00	3963724.67	774456.74
1498	37+425.00	3963739.91	774476.40
1499	37+450.00	3963752.34	774497.65
1500	37+475.00	3963772.14	774512.69
1501	37+500.00	3963791.51	774528.28
1502	37+525.00	3963811.43	774539.46
1503	37+550.00	3963832.28	774548.86
1504	37+575.00	3963849.81	774566.20
1505	37+600.00	3963871.74	774574.44
1506	37+625.00	3963886.96	774594.27
1507	37+650.00	3963910.19	774593.61
1508	37+675.00	3963925.80	774612.95
1509	37+700.00	3963945.13	774628.76
1510	37+725.00	3963968.22	774637.19
1511	37+750.00	3963993.00	774640.46
1512	37+775.00	3964017.79	774643.73
1513	37+800.00	3964040.03	774653.85
1514	37+825.00	3964055.86	774673.17
1515	37+850.00	3964073.83	774690.17
1516	37+875.00	3964098.50	774694.10
1517	37+900.00	3964121.29	774703.75
1518	37+925.00	3964140.00	774687.67
1519	37+950.00	3964162.05	774681.70
1520	37+975.00	3964151.90	774703.40

CENTER LINE DATA			
S:No	Station	Northing	Easting
1521	38+000.00	3964166.20	774721.94
1522	38+025.00	3964188.65	774730.81
1523	38+050.00	3964213.21	774734.67
1524	38+075.00	3964234.93	774746.87
1525	38+100.00	3964252.90	774763.64
1526	38+125.00	3964262.48	774786.69
1527	38+150.00	3964282.00	774801.66
1528	38+175.00	3964306.14	774795.77
1529	38+200.00	3964329.60	774803.02
1530	38+225.00	3964343.88	774823.01
1531	38+250.00	3964344.81	774847.82
1532	38+275.00	3964343.36	774872.78
1533	38+300.00	3964344.00	774897.72
1534	38+325.00	3964356.15	774919.22
1535	38+350.00	3964373.57	774936.81
1536	38+375.00	3964397.95	774942.00
1537	38+400.00	3964421.99	774948.86
1538	38+425.00	3964443.22	774960.92
1539	38+450.00	3964459.37	774980.01
1540	38+475.00	3964473.44	775000.65
1541	38+500.00	3964484.98	775022.80
1542	38+525.00	3964491.91	775046.79
1543	38+550.00	3964506.72	775066.58
1544	38+575.00	3964524.88	775083.70
1545	38+600.00	3964541.92	775101.75
1546	38+625.00	3964563.97	775113.52
1547	38+650.00	3964586.59	775124.03
1548	38+675.00	3964609.77	775133.32
1549	38+700.00	3964632.17	775144.42
1550	38+725.00	3964652.24	775159.13
1551	38+750.00	3964671.70	775174.78
1552	38+775.00	3964693.52	775186.98
1553	38+800.00	3964713.01	775202.52
1554	38+825.00	3964733.51	775216.36
1555	38+850.00	3964744.23	775238.31
1556	38+875.00	3964763.47	775254.10
1557	38+900.00	3964784.04	775268.30
1558	38+925.00	3964804.54	775282.61
1559	38+950.00	3964824.35	775297.86
1560	38+975.00	3964843.48	775313.96

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



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING</p>		d	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S	CENTER LINE DATA
			c			DRAWN	MANSOOR DURRANI			
			b			CHECKED	SHAHZAD DURRANI			
KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)							DATE:			

CENTER LINE DATA			
S:No	Station	Northing	Easting
1561	39+000.00	3964865.77	775324.72
1562	39+025.00	3964889.95	775331.07
1563	39+050.00	3964910.74	775344.48
1564	39+075.00	3964928.23	775362.30
1565	39+100.00	3964950.91	775372.25
1566	39+125.00	3964975.86	775373.19
1567	39+150.00	3965000.67	775375.40
1568	39+175.00	3965025.38	775373.83
1569	39+200.00	3965048.90	775367.17
1570	39+225.00	3965054.41	775389.25
1571	39+250.00	3965078.62	775395.43
1572	39+275.00	3965103.08	775400.46
1573	39+300.00	3965127.20	775406.13
1574	39+325.00	3965148.60	775419.04
1575	39+350.00	3965166.81	775436.06
1576	39+375.00	3965185.62	775452.46
1577	39+400.00	3965204.52	775468.83
1578	39+425.00	3965223.27	775485.32
1579	39+450.00	3965245.26	775497.14
1580	39+475.00	3965263.91	775513.76
1581	39+500.00	3965282.30	775530.71
1582	39+525.00	3965298.34	775549.81
1583	39+550.00	3965314.86	775568.51
1584	39+575.00	3965329.15	775589.00
1585	39+600.00	3965342.25	775609.97
1586	39+625.00	3965365.96	775615.00
1587	39+650.00	3965390.92	775614.86
1588	39+675.00	3965415.73	775615.40
1589	39+700.00	3965439.57	775621.75
1590	39+725.00	3965459.07	775634.02
1591	39+750.00	3965478.54	775648.77
1592	39+775.00	3965489.13	775671.16
1593	39+800.00	3965503.67	775691.47
1594	39+825.00	3965518.42	775711.60
1595	39+850.00	3965534.15	775731.02
1596	39+875.00	3965553.26	775747.04
1597	39+900.00	3965574.47	775760.27
1598	39+925.00	3965592.02	775777.85
1599	39+950.00	3965608.29	775796.77
1600	39+975.00	3965628.66	775811.17

CENTER LINE DATA			
S:No	Station	Northing	Easting
1601	40+000.00	3965644.50	775830.48
1602	40+025.00	3965652.60	775853.81
1603	40+050.00	3965654.93	775878.70
1604	40+075.00	3965657.37	775903.58
1605	40+100.00	3965662.44	775928.05
1606	40+125.00	3965672.31	775950.62
1607	40+150.00	3965690.33	775967.95
1608	40+175.00	3965709.20	775984.33
1609	40+200.00	3965729.51	775998.90
1610	40+225.00	3965748.22	776015.33
1611	40+250.00	3965764.50	776034.30
1612	40+275.00	3965782.53	776051.52
1613	40+300.00	3965802.84	776066.10
1614	40+325.00	3965823.15	776080.68
1615	40+350.00	3965844.36	776093.90
1616	40+375.00	3965865.54	776107.17
1617	40+400.00	3965886.28	776121.13
1618	40+425.00	3965907.48	776134.24
1619	40+450.00	3965931.80	776130.83
1620	40+475.00	3965955.54	776123.01
1621	40+500.00	3965979.11	776114.67
1622	40+525.00	3965976.97	776129.72
1623	40+550.00	3965990.25	776150.87
1624	40+575.00	3966006.29	776170.03
1625	40+600.00	3966019.21	776191.39
1626	40+625.00	3966029.62	776214.11
1627	40+650.00	3966043.99	776234.54
1628	40+675.00	3966057.44	776255.61
1629	40+700.00	3966076.01	776272.09
1630	40+725.00	3966096.63	776286.07
1631	40+750.00	3966118.16	776298.51
1632	40+775.00	3966141.10	776308.44
1633	40+800.00	3966165.23	776314.44
1634	40+825.00	3966189.75	776318.40
1635	40+850.00	3966210.24	776332.64
1636	40+875.00	3966227.55	776350.26
1637	40+900.00	3966240.47	776371.60
1638	40+925.00	3966251.94	776393.77
1639	40+950.00	3966269.28	776409.58
1640	40+975.00	3966291.66	776420.60



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C&W Department Peshawar



 <p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		MINCONSULT SDN BHD (COMPANY NO. 88835-P) J.V. CREATIVE ENGINEERING	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	CENTER LINE DATA
			1						DATE:	
			2						AUG	



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

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
C41	1+456.42	755411.8252	3942361.8076	1+445.48	755404.0268	3942369.4756	1+467.07	755421.9872	3942357.7643	54.19	21.58	10.937	22.8196	S56° 53' 34.80"E
C42	1+479.39	755433.4424	3942353.2063	1+471.99	755426.5652	3942355.9427	1+486.39	755437.7622	3942347.1961	25.31	14.40	7.402	32.5958	S52° 00' 17.53"E
C43	1+516.84	755455.5338	3942322.4707	1+491.54	755440.7634	3942343.0206	1+517.58	755461.0099	3942347.1784	11.32	26.04	25.307	131.7963	N78° 23' 41.66"E
C44	1+545.92	755467.1416	3942374.8442	1+534.73	755464.7210	3942363.9226	1+556.93	755466.1812	3942385.9896	73.01	22.20	11.187	17.4221	N3° 47' 08.54"E
C45	1+564.13	755465.5630	3942393.1626	1+558.50	755466.0461	3942387.5570	1+569.71	755463.8360	3942398.5173	49.57	11.20	5.626	12.9505	N11° 24' 02.28"W
C46	1+579.51	755460.8276	3942407.8449	1+574.43	755462.3856	3942403.0143	1+584.39	755461.6954	3942412.8459	20.57	9.95	5.076	27.7206	N4° 00' 56.16"W
C47	1+617.17	755467.2999	3942445.1425	1+605.10	755465.2365	3942433.2518	1+628.83	755474.3069	3942454.9685	53.02	23.73	12.068	25.6483	N22° 40' 07.85"E
C48	1+648.02	755485.4486	3942470.5926	1+642.02	755481.9682	3942465.7120	1+653.95	755487.5698	3942476.1990	46.25	11.92	5.994	14.7684	N28° 06' 31.60"E
C49	1+693.93	755501.7176	3942513.5915	1+681.31	755497.2535	3942501.7929	1+703.93	755514.2618	3942514.9250	20.50	22.62	12.615	63.2073	N52° 19' 41.65"E
C50	1+733.20	755543.3675	3942518.0191	1+717.84	755528.0898	3942516.3950	1+743.23	755544.0819	3942533.3663	17.90	25.39	15.364	81.2668	N43° 17' 54.54"E
C51	1+780.04	755545.7932	3942570.1318	1+764.30	755545.0618	3942554.4182	1+794.93	755538.0082	3942583.8009	54.27	30.62	15.731	32.3278	N13° 29' 55.85"W
C52	1+819.42	755525.8887	3942605.0810	1+807.94	755531.5684	3942595.1082	1+829.84	755528.4124	3942616.2768	29.62	21.90	11.477	42.3658	N8° 28' 47.51"W
C53	1+850.66	755532.9910	3942636.5888	1+839.06	755530.4401	3942625.2721	1+860.83	755526.1175	3942645.9339	25.43	21.77	11.601	49.0383	H11° 48' 58.06"W
C54	1+876.26	755516.9755	3942658.3631	1+868.02	755521.8554	3942651.7286	1+884.49	755512.4673	3942665.2557	299.77	16.47	8.236	3.1475	N34° 45' 41.44"W
C55	1+916.82	755494.7709	3942692.3112	1+899.74	755504.1170	3942678.0222	1+932.68	755495.9885	3942709.3419	50.62	32.94	17.074	37.2772	N14° 32' 56.98"W
C56	1+950.77	755497.2786	3942727.3860	1+939.48	755496.4735	3942716.1254	1+961.94	755495.3110	3942738.5026	91.11	22.46	11.289	14.1263	N2° 58' 25.50"W
C57	1+977.60	755492.5825	3942753.9186	1+967.68	755494.3106	3942744.1548	1+987.39	755493.5304	3942763.7888	72.75	19.71	9.916	15.5226	N2° 16' 32.18"W
C58	1+998.38	755494.5812	3942774.7304	1+991.37	755493.9109	3942767.7504	2+005.21	755497.9087	3942780.9027	34.71	13.84	7.012	22.8434	N16° 54' 26.69"E
C59	2+027.35	755508.4146	3942800.3904	2+014.23	755502.1888	3942788.8420	2+040.34	755511.7050	3942813.0908	108.38	26.11	13.120	13.8042	N21° 25' 37.23"E
C60	2+078.34	755521.2350	3942849.8745	2+048.76	755513.8172	3942821.2434	2+073.73	755532.7751	3942822.6423	10.04	24.96	29.576	142.5094	H85° 46' 46.65"E
C61	2+090.15	755539.1836	3942807.5196	2+081.00	755535.6111	3942815.9498	2+099.23	755540.7121	3942798.4922	78.20	18.23	9.156	13.3556	S16° 17' 16.26"E
C62	2+120.81	755544.3151	3942777.2127	2+108.91	755542.3283	3942788.9466	2+132.13	755552.0396	3942768.1594	43.12	23.22	11.901	30.8615	S25° 02' 26.90"E
C63	2+149.22	755563.1307	3942755.1603	2+140.49	755557.4666	3942761.7988	2+157.72	755565.8263	3942746.8605	43.91	17.23	8.727	22.4790	S29° 13' 55.44"E
C64	2+186.29	755574.6521	3942719.6855	2+166.81	755569.2528	3942736.3099	2+197.09	755591.6728	3942723.6625	19.02	28.27	17.479	85.1588	S60° 34' 19.01"E
C65	2+215.62	755609.7223	3942727.8797	2+207.61	755601.9242	3942726.0577	2+223.26	755617.3906	3942725.5719	29.99	15.65	8.008	29.9005	S88° 12' 03.90"E
C66	2+243.13	755636.4112	3942719.8477	2+233.41	755627.1017	3942722.6494	2+251.80	755640.8819	3942711.2148	22.97	18.39	9.722	45.8726	S50° 18' 52.29"E
C67	2+295.32	755660.8935	3942672.5726	2+262.16	755645.6471	3942702.0133	2+299.51	755675.9562	3942702.1077	17.04	37.35	33.154	125.6006	N89° 49' 17.41"E
C68	2+314.00	755682.5364	3942715.0103	2+303.56	755677.7956	3942705.7145	2+324.41	755688.2353	3942723.7515	196.45	20.85	10.435	6.0812	N30° 03' 42.58"E
C69	2+420.86	755740.9113	3942804.5489	2+364.78	755710.2808	3942757.5661	2+402.48	755740.8859	3942748.4632	16.65	42.71	56.086	146.9235	S73° 26' 08.91"E
C70	2+428.66	755740.8763	3942727.2897	2+410.46	755740.8846	3942745.4863	2+446.50	755746.9458	3942710.1353	105.84	36.04	18.197	19.5103	S9° 43' 45.18"E
C71	2+469.72	755754.6896	3942688.2484	2+454.18	755749.5083	3942702.8926	2+479.30	755769.7124	3942692.1994	16.88	25.11	15.534	85.2504	S62° 06' 34.55"E
C72	2+506.33	755795.8533	3942699.0743	2+488.63	755778.7407	3942694.5738	2+523.86	755813.5433	3942699.4756	150.23	35.23	17.695	13.4353	N81° 58' 58.19"E
C73	2+535.66	755825.3398	3942699.7432	2+528.89	755818.5738	3942699.5897	2+542.12	755831.1324	3942703.2430	25.40	13.23	6.768	29.8402	N73° 46' 49.39"E
C74	2+567.88	755853.1825	3942716.5653	2+554.83	755842.0072	3942709.8134	2+573.54	755865.8215	3942713.2894	31.01	24.72	13.057	45.6705	N81° 41' 43.90"E
C75	2+599.52	755885.1637	3942708.2761	2+581.86	755868.0645	3942712.7080	2+602.20	755871.9420	3942696.5623	9.41	20.35	17.664	123.9296	S13° 30' 15.93"E
C76	2+663.69	755825.9183	3942655.7872	2+612.51	755864.2261	3942689.7263	2+631.76	755871.6522	3942678.7602	6.68	19.25	51.180	165.1317	S34° 06' 19.67"E
C77	2+648.46	755886.5786	3942686.2581	2+640.12	755879.1278	3942682.5154	2+656.79	755894.2517	3942689.5209	262.79	16.67	8.338	3.6346	N65° 08' 45.48"E
C78	2+706.76	755940.2320	3942709.0732	2+698.95	755933.0485	3942706.0186	2+714.55	755946.9769	3942713.0025	124.31	15.59	7.806	7.1862	N63° 22' 12.46"E
C79	2+832.44	756048.8488	3942772.3481	2+805.62	756025.6726	3942758.8467	2+859.12	756074.0933	3942781.4393	294.43	53.50	26.822	10.4104	N64° 58' 56.01"E
C80	2+882.84	756096.3379	3942783.4786	2+872.72	756086.8787	3942786.0491	2+892.94	756105.5314	3942793.8326	204.15	20.22	10.118	5.6748	N67° 21' 00.16"E



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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		MINCONSULT SDN BHD (COMPANY NO. 58835-P)	a	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		J.V. CREATIVE ENGINEERING	b			DRAWN: MANSOOR DURRANI			DATE:	
						CHECKED: SHAHZAD DURRANI			AUG.	

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+945.40	756152.8843	3942816.4059	2+921.79	756131.5802	3942806.2502	2+967.88	756166.1202	3942835.9461	86.87	46.09	23.601	30.4001	N49° 18' 45.29"E
C82	3+063.13	756219.5339	3942914.8007	3+052.03	756213.3127	3942905.6162	3+073.58	756219.6435	3942925.8933	36.80	21.55	11.093	33.5467	N17° 20' 21.06"E
C83	3+113.32	756220.0359	3942965.6303	3+102.68	756219.9309	3942954.9922	3+123.24	756226.4096	3942974.1482	32.51	20.56	10.639	36.2406	N18° 41' 10.11"E
C84	3+136.25	756234.2042	3942984.5649	3+127.66	756229.0577	3942977.6871	3+144.23	756234.1283	3942993.1547	25.44	16.57	8.590	37.3125	N18° 09' 00.61"E
C85	3+164.19	756233.9520	3943013.1086	3+154.15	756234.0407	3943003.0670	3+174.23	756234.2874	3943023.1450	475.49	20.08	10.042	2.4197	N0° 42' 13.60"E
C86	3+200.82	756235.1753	3943049.7193	3+195.02	756234.9817	3943043.9261	3+206.61	756235.3547	3943055.5129	4760.55	11.59	5.796	0.1395	N1° 50' 37.99"E
C87	3+242.73	756236.4729	3943091.6126	3+229.72	756236.0700	3943078.6056	3+255.70	756238.6817	3943104.4371	186.14	25.98	13.013	7.9984	N5° 46' 23.94"E
C88	3+311.04	756248.0746	3943158.9722	3+305.58	756247.1480	3943153.5924	3+316.50	756248.9139	3943164.3664	673.50	10.92	5.459	0.9288	N9° 18' 29.20"E
C89	3+357.52	756255.2204	3943204.8997	3+343.33	756253.0391	3943190.8798	3+371.45	756252.7054	3943218.8637	84.54	28.12	14.189	19.0537	N0° 40' 59.28"W
C90	3+393.79	756248.7447	3943240.8544	3+383.82	756250.5126	3943231.0389	3+403.66	756249.4612	3943250.8022	73.34	19.84	9.973	14.3295	N3° 02' 42.80"W
C91	3+419.51	756250.6000	3943266.6139	3+414.68	756250.2526	3943261.7910	3+424.34	756251.5099	3943271.3629	82.28	9.66	4.835	6.7264	N7° 28' 57.86"E
C92	3+439.92	756254.4430	3943286.6722	3+435.55	756253.6208	3943282.3810	3+444.29	756255.0523	3943290.9988	176.87	8.74	4.369	2.8302	N3° 25' 51.10"E
C93	3+458.13	756256.9820	3943304.7020	3+446.76	756255.3963	3943293.4417	3+469.50	756258.6824	3943315.9457	2230.34	22.74	11.371	0.5842	N8° 18' 28.44"E
C94	3+474.15	756259.3774	3943320.5412	3+469.84	756258.7325	3943316.2765	3+478.40	756258.7972	3943324.8151	30.06	8.57	4.313	16.3315	N0° 26' 03.40"E
C95	3+482.31	756258.2721	3943328.6828	3+478.60	756258.7705	3943325.0116	3+485.94	756256.5492	3943331.9628	21.03	7.33	3.705	19.9795	N17° 43' 16.34"W
C96	3+507.28	756246.6242	3943350.8584	3+488.46	756255.3752	3943334.1981	3+509.64	756265.2617	3943348.2528	9.66	21.18	18.819	125.6696	N35° 07' 25.89"E
C97	3+521.01	756276.5220	3943346.6786	3+513.82	756269.3970	3943347.6747	3+528.01	756282.6806	3943342.9598	35.10	14.19	7.194	23.1659	S70° 27' 30.18"E
C98	3+542.56	756295.1357	3943335.4392	3+530.39	756284.7145	3943341.7318	3+553.31	756297.4975	3943323.4968	27.54	22.93	12.174	47.6883	S35° 01' 52.58"E
C99	3+562.35	756299.2502	3943314.6347	3+555.73	756297.9672	3943321.1220	3+568.92	756301.7280	3943308.5034	69.85	13.19	6.613	10.8173	S16° 35' 44.80"E
C100	3+588.54	756309.0790	3943290.3130	3+579.52	756305.6981	3943298.6793	3+596.40	756304.8388	3943282.3477	19.34	16.89	9.024	50.0325	S3° 00' 42.60"W
C101	3+603.39	756301.5531	3943276.1755	3+600.66	756302.8353	3943278.5842	3+606.07	756301.0949	3943273.4856	16.88	5.41	2.729	18.3618	S18° 50' 49.99"W
C102	3+625.52	756297.8297	3943254.3155	3+614.20	756299.7314	3943265.4801	3+636.16	756302.5854	3943244.0371	36.48	21.96	11.325	34.4953	S7° 34' 52.82"E
C103	3+683.96	756322.6584	3943200.6527	3+666.27	756315.2280	3943216.7122	3+701.62	756328.1893	3943183.8441	306.19	35.35	17.695	6.6151	S21° 31' 17.21"E
C104	3+764.04	756347.6994	3943124.5522	3+754.38	756344.6820	3943133.7223	3+773.69	756350.4447	3943115.2969	653.49	19.31	9.654	1.8927	S17° 22' 03.11"E
C105	3+812.17	756361.3871	3943078.4061	3+801.69	756358.4065	3943088.4548	3+822.44	756360.7452	3943067.9443	59.35	20.75	10.481	20.0320	S6° 30' 18.70"E
C106	3+878.98	756357.2828	3943011.5086	3+840.53	756359.6373	3943049.8850	3+910.92	756388.2896	3942988.7738	70.43	70.39	38.449	57.2612	S25° 07' 11.34"E
C107	3+976.46	756441.1462	3942950.0183	3+964.70	756431.6627	3942956.9719	3+988.21	756450.0557	3942942.3430	299.67	23.51	11.760	4.4945	S51° 30' 11.42"E
C108	4+011.20	756467.4764	3942927.3355	4+008.26	756465.2516	3942929.2522	4+014.13	756469.8855	3942925.6563	57.31	5.87	2.937	5.8667	S52° 11' 21.38"E
C109	4+029.40	756482.4105	3942916.9261	4+019.49	756474.2831	3942922.5911	4+039.18	756491.7856	3942913.7238	70.41	19.68	9.907	16.0184	S63° 07' 54.51"E
C110	4+045.15	756497.4356	3942911.7939	4+041.26	756493.7529	3942913.0518	4+048.94	756501.3184	3942912.0569	19.36	7.68	3.892	22.7346	S82° 30' 29.90"E
C111	4+074.59	756526.9109	3942913.7907	4+056.11	756508.4746	3942912.5417	4+090.17	756538.4802	3942899.3822	35.41	34.06	18.478	55.1127	S66° 19' 09.29"E
C112	4+099.74	756544.4689	3942891.9239	4+091.08	756539.0502	3942898.6724	4+107.93	756552.6539	3942889.1112	29.91	16.85	8.655	32.2722	S54° 53' 56.40"E
C113	4+144.18	756586.9321	3942877.3318	4+125.51	756569.2818	3942883.3971	4+151.44	756587.7707	3942895.9763	13.96	25.93	18.663	106.3895	N55° 46' 12.43"E
C114	4+187.87	756589.4074	3942932.3646	4+179.16	756589.0159	3942923.6595	4+195.82	756583.9615	3942939.1670	23.15	16.67	8.714	41.2554	N18° 03' 08.40"W
C115	4+203.66	756579.0652	3942945.2830	4+199.05	756581.9427	3942941.6887	4+208.13	756577.8606	3942949.7268	22.12	9.08	4.604	23.5125	N26° 55' 25.66"W
C116	4+220.15	756574.7150	3942961.3304	4+213.80	756576.3770	3942955.1997	4+226.22	756576.3171	3942967.4770	23.89	12.42	6.352	29.7761	N0° 16' 46.17"W
C117	4+243.18	756580.5939	3942983.8859	4+236.68	756578.9546	3942977.5964	4+249.67	756581.6766	3942990.2947	148.28	12.99	6.500	5.0198	N12° 05' 55.27"E
C118	4+267.85	756584.7051	3943008.2218	4+257.86	756583.0416	3942998.3746	4+277.74	756588.6872	3943017.3803	81.86	19.88	9.987	13.9107	N16° 32' 38.99"E
C119	4+311.98	756602.3413	3943048.7832	4+305.88	756599.9077	3943043.1860	4+317.97	756602.8171	3943054.8681	36.42	12.09	6.103	19.0283	N13° 59' 07.41"E
C120	4+330.82	756603.8185	3943067.6736	4+323.19	756603.2239	3943060.0698	4+337.21	756610.4476	3943071.4455	14.38	14.02	7.627	55.8898	N32° 24' 58.07"E



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



<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:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN	MANSOOR DURRANI			DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG.	

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+457.76	757519.4733	3943426.4785	5+443.31	757505.9026	3943431.4502	5+471.35	757533.4632	3943430.0289	46.77	28.03	14.453	34.3414	S87° 02' 59.95"E
C162	5+525.29	757585.7687	3943443.2793	5+519.95	757580.5977	3943441.9688	5+530.62	757590.8467	3943444.9136	168.51	10.67	5.335	3.6200	N73° 58' 09.43"E
C163	5+559.88	757618.7048	3943453.8797	5+550.84	757610.0950	3943451.1087	5+568.91	757626.9814	3943457.5271	174.28	18.07	9.045	5.9418	N69° 11' 18.10"E
C164	5+578.75	757635.9840	3943461.4945	5+574.85	757632.4211	3943459.9243	5+582.58	757639.8585	3943461.8796	24.44	7.72	3.894	18.1055	N75° 16' 12.79"E
C165	5+605.42	757662.5944	3943464.1398	5+594.85	757652.0690	3943463.0935	5+615.38	757670.7484	3943470.8771	34.72	20.53	10.577	33.8685	N67° 22' 43.38"E
C166	5+628.81	757681.0986	3943479.4290	5+621.17	757675.2079	3943474.5618	5+636.38	757687.9477	3943482.8172	65.82	15.21	7.641	13.2446	N57° 03' 24.35"E
C167	5+658.40	757707.6852	3943492.5810	5+647.49	757697.9041	3943487.7424	5+669.06	757715.0012	3943500.6779	57.26	21.57	10.912	21.5793	N52° 53' 21.91"E
C168	5+681.60	757723.4090	3943509.9831	5+676.02	757719.6736	3943505.8490	5+687.14	757727.7661	3943513.4558	68.18	11.12	5.572	9.3444	N46° 46' 19.09"E
C169	5+737.32	757767.0016	3943544.7276	5+727.95	757759.6742	3943538.8875	5+745.96	757769.0198	3943553.8776	26.46	18.01	9.370	39.0057	N31° 56' 28.80"E
C170	5+764.69	757773.0555	3943572.1743	5+756.12	757771.2087	3943563.8016	5+772.73	757779.3737	3943577.9702	27.17	16.61	8.574	35.0305	N29° 57' 13.41"E
C171	5+821.06	757814.9871	3943610.6394	5+804.19	757802.5590	3943599.2387	5+837.65	757823.3392	3943625.2913	107.79	33.46	16.865	17.7844	N38° 34' 36.25"E
C172	5+872.68	757840.6862	3943655.7230	5+865.21	757836.9879	3943649.2351	5+877.81	757847.8295	3943653.5451	9.34	12.60	7.468	77.2711	N68° 19' 12.24"E
C173	5+908.12	757876.8175	3943644.7071	5+901.10	757870.1023	3943646.7545	5+911.90	757874.3996	3943638.1163	6.54	10.80	7.020	93.1901	S26° 26' 57.65"E
C174	5+956.22	757859.1362	3943596.5099	5+944.49	757863.1758	3943607.5215	5+967.13	757862.5236	3943585.2806	35.12	22.64	11.729	36.9317	S1° 40' 47.42"W
C175	5+974.54	757864.6639	3943578.1851	5+968.67	757862.9686	3943583.8050	5+979.70	757861.5753	3943573.1933	13.02	11.03	5.870	48.5325	S7° 28' 48.82"W
C176	6+005.41	757848.0454	3943551.3261	6+000.48	757850.6399	3943555.5195	6+010.16	757847.6230	3943546.4131	20.67	9.68	4.931	26.8330	S18° 19' 47.89"W
C177	6+033.81	757845.5376	3943522.8532	6+026.63	757846.2124	3943530.0041	6+040.99	757845.0906	3943515.6939	953.89	14.35	7.177	0.8622	S4° 28' 56.53"W
C178	6+101.17	757840.8388	3943455.6627	6+092.46	757841.4542	3943464.3525	6+109.53	757844.4062	3943447.7150	34.65	17.07	8.712	28.2249	S10° 03' 40.30"E
C179	6+154.23	757862.7123	3943406.9321	6+148.09	757860.1973	3943412.5349	6+160.03	757867.8641	3943403.5890	20.84	11.94	6.141	32.8468	S40° 35' 49.48"E
C180	6+193.04	757895.5568	3943385.6193	6+184.83	757888.6672	3943390.0899	6+201.17	757901.1407	3943379.5966	66.01	16.34	8.213	14.1854	S49° 55' 40.01"E
C181	6+226.66	757918.4661	3943360.9098	6+219.62	757913.6803	3943366.0717	6+233.51	757924.8640	3943357.9746	35.35	13.90	7.039	22.5207	S54° 05' 43.48"E
C182	6+307.99	757997.5537	3943326.9207	6+303.30	757988.2979	3943328.8731	6+312.64	757997.1025	3943325.8111	48.91	9.34	4.682	10.9359	S70° 49' 25.35"E
C183	6+343.68	758027.2582	3943318.4552	6+340.24	758023.9148	3943319.2708	6+347.11	758030.4832	3943317.2538	58.58	6.88	3.441	6.7240	S72° 55' 46.73"E
C184	6+374.02	758055.6994	3943307.8598	6+368.89	758050.8871	3943309.6526	6+379.07	758060.8303	3943307.6416	32.43	10.19	5.135	17.9974	S78° 33' 58.76"E
C185	6+401.68	758083.4126	3943306.6813	6+390.54	758072.2990	3943307.1543	6+412.73	758094.2188	3943304.0011	110.62	22.19	11.134	11.4947	S81° 49' 03.52"E
C186	6+438.61	758119.3283	3943297.7733	6+438.22	758118.9549	3943297.8659	6+438.99	758119.7048	3943297.6943	21.10	0.77	0.385	2.0891	S77° 06' 53.44"E
C187	6+461.36	758141.5987	3943293.1043	6+453.36	758133.7675	3943294.7461	6+469.08	758147.8938	3943288.1653	34.28	15.72	8.001	26.2759	S65° 01' 17.21"E
C188	6+508.50	758178.9076	3943263.8329	6+495.38	758168.5879	3943271.9294	6+520.53	758192.0160	3943264.3009	35.88	25.15	13.117	40.1612	S71° 57' 50.75"E
C189	6+536.98	758208.4552	3943264.8879	6+532.95	758204.4250	3943264.7440	6+540.96	758212.2894	3943266.1379	28.67	8.01	4.033	16.0130	N79° 56' 55.54"E
C190	6+555.71	758226.3126	3943270.7100	6+551.05	758221.8775	3943269.2640	6+560.18	758230.8970	3943269.8470	18.22	9.13	4.665	28.7185	N86° 18' 05.38"E
C191	6+577.08	758247.5083	3943266.7201	6+569.61	758240.1642	3943268.1025	6+583.79	758253.6976	3943270.9079	18.16	14.18	7.473	44.7442	N78° 17' 19.19"E
C192	6+599.71	758266.8853	3943279.8311	6+592.06	758260.5434	3943275.5400	6+606.65	758274.4554	3943278.6785	19.57	14.60	7.657	42.7407	N77° 17' 12.89"E
C193	6+637.98	758305.4251	3943273.9631	6+630.76	758298.2913	3943275.0493	6+644.83	758310.9326	3943269.3007	25.51	14.06	7.216	31.5927	S65° 32' 47.05"E
C194	6+652.70	758316.9421	3943264.2133	6+650.97	758315.6205	3943265.3322	6+654.42	758318.4739	3943263.4055	15.88	3.45	1.732	12.4452	S55° 58' 21.63"E
C195	6+678.56	758339.8254	3943252.1459	6+670.80	758332.9595	3943255.7666	6+686.04	758344.3413	3943245.8326	32.81	15.24	7.762	26.6196	S48° 53' 07.73"E
C196	6+697.78	758351.1719	3943236.2830	6+691.75	758347.6636	3943241.1878	6+703.75	758355.7684	3943232.3795	48.81	12.00	6.030	14.0850	S42° 37' 05.39"E
C197	6+753.84	758393.9466	3943199.9570	6+734.94	758379.5419	3943212.1901	6+772.24	758402.4965	3943183.1034	93.89	37.30	18.898	22.7617	S38° 16' 47.27"E
C198	6+776.43	758404.3938	3943179.3635	6+774.13	758403.3514	3943181.4182	6+778.73	758405.6693	3943177.4447	39.27	4.60	2.304	6.7161	S30° 15' 25.07"E
C199	6+796.00	758415.2277	3943163.0664	6+793.48	758413.8340	3943165.1628	6+798.51	758416.8013	3943161.1014	56.82	5.03	2.517	5.0737	S36° 09' 06.65"E
C200	6+818.80	758429.4864	3943145.2614	6+811.87	758425.1512	3943150.6748	6+823.75	758435.8834	3943147.9402	9.20	11.88	6.935	74.0331	S75° 42' 18.94"E



Project Director (P/U)
Provincial Road Improvement Project
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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN	MANSOOR DURRANI			DATE:	
b			CHECKED	SHAHZAD DURRANI	AUG.					

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	6+840.58	758451.4020	3943154.4387	6+836.22	758447.3784	3943152.7538	6+844.81	758455.7631	3943154.3480	20.60	8.60	4.362	23.9140	N79° 14' 06.57"E
C202	6+863.17	758474.1166	3943153.9660	6+859.67	758470.6181	3943154.0388	6+866.67	758477.5978	3943153.6115	86.69	6.99	3.499	4.6231	S86° 29' 46.83"E
C203	6+879.29	758490.1599	3943152.3321	6+877.63	758488.5035	3943152.5008	6+880.96	758491.8245	3943152.3026	39.72	3.33	1.665	4.8000	S86° 35' 05.26"E
C204	6+896.26	758507.1236	3943152.0315	6+892.04	758502.9044	3943152.1063	6+900.47	758511.3275	3943151.6650	121.84	8.44	4.220	3.9672	S87° 00' 04.18"E
C205	6+932.64	758543.3728	3943148.8713	6+921.35	758532.1200	3943149.8523	6+943.91	758554.6604	3943149.2956	161.17	22.56	11.296	7.1352	S88° 35' 06.57"E
C206	6+961.87	758572.6068	3943149.9702	6+958.08	758568.8273	3943149.8281	6+965.59	758576.1690	3943151.2410	24.60	7.51	3.782	17.4802	N79° 06' 25.70"E
C207	6+990.29	758599.4304	3943159.5390	6+984.14	758593.6398	3943157.4733	6+996.12	758603.2576	3943164.3505	21.54	11.98	6.148	31.8670	N54° 26' 00.78"E
C208	7+011.77	758613.0047	3943176.6043	7+007.32	758610.2293	3943173.1152	7+016.21	758616.2872	3943179.6211	57.19	8.90	4.458	8.9145	N42° 57' 26.34"E
C209	7+074.99	758659.5593	3943219.3915	7+067.96	758654.3838	3943214.6349	7+081.98	758665.4714	3943223.1939	81.67	14.02	7.029	9.8389	N52° 20' 02.44"E
C210	7+105.90	758685.5867	3943236.1307	7+100.42	758680.9833	3943233.1701	7+111.34	758689.5632	3943239.8914	58.69	10.91	5.473	10.6552	N51° 55' 32.97"E
C211	7+118.87	758695.0376	3943245.0686	7+114.10	758691.5657	3943241.7851	7+123.61	758699.1940	3943247.4263	39.38	9.51	4.779	13.8374	N53° 31' 00.79"E
C212	7+139.18	758712.7274	3943255.1032	7+134.93	758709.0454	3943253.0146	7+143.37	758715.9096	3943257.8948	41.34	8.44	4.233	11.6942	N54° 35' 18.44"E
C213	7+160.98	758729.1465	3943269.5068	7+158.77	758727.4889	3943268.0527	7+163.15	758730.3213	3943271.3727	15.17	4.38	2.205	16.5440	N40° 28' 09.63"E
C214	7+188.36	758743.7540	3943292.7056	7+169.81	758733.8686	3943277.0062	7+206.49	758758.6418	3943303.7758	99.28	36.68	18.552	21.1690	N42° 46' 54.71"E
C215	7+230.25	758777.094	3943317.9540	7+221.34	758770.5586	3943312.6368	7+238.64	758780.6736	3943326.3575	29.20	17.30	8.911	33.9366	N36° 23' 53.15"E
C216	7+247.56	758783.6421	3943334.7728	7+244.07	758782.4790	3943331.4757	7+251.05	758785.1041	3943337.9487	75.68	6.99	3.496	5.2900	N22° 04' 29.34"E
C217	7+295.77	758803.8041	3943378.5683	7+284.43	758799.0614	3943368.2664	7+306.85	758811.9591	3943386.4499	60.43	22.42	11.341	21.2570	N35° 20' 54.05"E
C218	7+333.68	758831.2516	3943405.0955	7+326.83	758826.3262	3943400.3353	7+340.39	758834.2569	3943411.2509	38.94	13.56	6.850	19.9535	N36° 00' 00.35"E
C219	7+377.34	758850.4653	3943444.4487	7+367.10	758845.9737	3943435.2490	7+387.54	758856.1177	3943452.9843	156.41	20.45	10.238	7.4898	N29° 46' 05.65"E
C220	7+396.95	758861.3136	3943460.8305	7+388.41	758856.5957	3943453.7062	7+405.45	758867.3233	3943466.9049	87.30	17.04	8.545	11.1804	N39° 06' 11.96"E
C221	7+425.57	758881.4777	3943481.2115	7+419.63	758877.3018	3943476.9907	7+431.48	758884.9171	3943486.0511	73.06	11.85	5.937	9.2925	N40° 02' 50.13"E
C222	7+444.65	758892.5449	3943496.7841	7+435.88	758887.4630	3943489.6333	7+453.00	758893.2362	3943505.5294	31.76	17.12	8.773	30.8813	N19° 57' 37.40"E
C223	7+475.29	758894.9932	3943527.7554	7+469.57	758894.5421	3943522.0488	7+480.76	758898.1885	3943532.5051	21.81	11.20	5.724	29.4115	N19° 13' 31.77"E
C224	7+516.17	758917.9528	3943561.8827	7+512.44	758915.8723	3943558.7903	7+519.86	758919.2080	3943565.3921	29.82	7.42	3.727	14.2501	N26° 48' 22.28"E
C225	7+545.46	758927.8308	3943589.4995	7+537.35	758925.0996	3943581.8637	7+553.52	758931.9333	3943596.4948	86.52	16.17	8.110	10.7090	N25° 02' 08.43"E
C226	7+574.98	758942.7897	3943615.0064	7+567.98	758939.2484	3943608.9680	7+581.97	758947.0213	3943620.5829	117.79	13.98	7.000	6.8021	N33° 47' 28.42"E
C227	7+602.83	758959.6327	3943637.2024	7+590.67	758952.2826	3943627.5163	7+614.83	758969.3472	3943644.5149	87.42	24.16	12.159	15.8375	N45° 06' 39.71"E
C228	7+632.35	758983.3444	3943655.0511	7+626.00	758978.2707	3943651.2320	7+638.62	758987.1417	3943660.1411	44.33	12.61	6.350	16.3056	N44° 52' 37.24"E
C229	7+645.55	758991.2862	3943665.6966	7+643.48	758990.0501	3943664.0397	7+647.61	758992.2232	3943667.5392	24.19	4.12	2.067	9.7698	N31° 50' 21.51"E
C230	7+666.49	759000.7845	3943684.3746	7+662.23	758998.8534	3943680.5772	7+670.75	759003.1229	3943687.9357	76.95	8.51	4.260	6.3378	N30° 07' 23.82"E
C231	7+687.29	759012.2068	3943701.7687	7+678.44	759007.3479	3943694.3694	7+695.90	759019.5960	3943706.6429	42.94	17.46	8.852	23.2971	N44° 56' 26.66"E
C232	7+714.51	759035.1273	3943716.8881	7+708.90	759030.4427	3943713.7979	7+719.96	759038.1615	3943721.6090	26.56	11.06	5.612	23.8602	N44° 39' 33.14"E
C233	7+731.62	759044.4673	3943731.4204	7+725.72	759041.2753	3943726.4539	7+737.50	759048.4097	3943735.8152	73.66	11.78	5.904	9.1653	N37° 18' 42.31"E
C234	7+759.87	759063.3469	3943752.4662	7+742.83	759051.9668	3943739.7804	7+776.74	759077.4745	3943761.9977	137.81	33.91	17.042	14.0992	N48° 56' 38.37"E
C235	7+789.74	759088.2524	3943769.2692	7+780.82	759080.8563	3943764.2793	7+798.50	759093.6091	3943776.4041	53.05	17.68	8.922	19.0950	N46° 26' 45.83"E
C236	7+804.23	759097.0491	3943780.9860	7+799.74	759094.3552	3943777.3979	7+808.71	759100.0697	3943784.3039	94.87	8.97	4.487	5.4157	N39° 36' 23.09"E
C237	7+830.27	759114.5869	3943800.2501	7+821.05	759108.3770	3943793.4289	7+839.47	759121.6084	3943806.2326	145.52	18.42	9.225	7.2542	N45° 56' 28.96"E
C238	7+856.20	759134.3402	3943817.0802	7+848.64	759128.5889	3943812.1801	7+863.75	759139.9434	3943822.1490	508.71	15.11	7.556	1.7019	N48° 43' 03.19"E
C239	7+917.12	759179.5242	3943857.9550	7+911.84	759175.6038	3943854.4085	7+922.37	759182.6218	3943862.2389	50.31	10.53	5.287	11.9975	N41° 52' 04.29"E
C240	7+965.08	759207.6479	3943896.8504	7+958.04	759203.5189	3943891.1400	7+972.03	759213.2169	3943901.1683	49.07	14.00	7.047	16.3430	N44° 02' 26.08"E

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

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV 0 0 1	DATE AUG. 2024	DESCRIPTION TENDER DRAWINGS	NAMES:			PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S. DATE: AUG.	SHEET CONTENT: HORIZONTAL CURVE DATA
					G.DESIGNED	MANSOOR DURRANI					
					DRAWN	MANSOOR DURRANI					
					CHECKED	SHANZAD DURRANI					

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+020.94	759251.8659	3943931.1346	8+009.44	759242.7787	3943924.0889	8+032.39	759259.7708	3943939.4852	149.73	22.95	11.499	8.7829	N47° 49' 14.23"E
C242	8+041.97	759266.3550	3943946.4407	8+032.55	759259.8791	3943939.5996	8+051.32	759274.1318	3943951.7567	88.04	16.77	9.420	12.2153	N49° 32' 12.51"E
C243	8+072.60	759291.6355	3943963.7629	8+065.38	759285.7380	3943959.6905	8+079.53	759295.0641	3943970.1447	29.14	14.15	7.216	27.8173	N41° 44' 08.83"E
C244	8+091.82	759300.8034	3943981.0176	8+086.56	759298.3489	3943976.3676	8+096.91	759305.0143	3943984.1665	23.35	10.34	5.258	25.3837	N40° 31' 08.32"E
C245	8+103.41	759310.2187	3943988.0585	8+100.02	759307.5044	3943986.0287	8+106.73	759312.1259	3943990.8603	20.29	6.72	3.389	18.9695	N43° 43' 33.92"E
C246	8+120.52	759319.8823	3944002.2559	8+117.75	759318.3260	3943999.9694	8+123.28	759321.4586	3944004.5287	631.49	5.53	2.766	0.5019	N34° 29' 32.31"E
C247	8+135.04	759328.1582	3944014.1886	8+131.09	759325.9045	3944010.9390	8+138.95	759331.1900	3944016.7278	29.42	7.86	3.955	15.3097	N42° 23' 53.22"E
C248	8+154.35	759342.9971	3944026.6166	8+145.93	759336.5471	3944021.2145	8+162.71	759350.3451	3944030.7147	89.02	16.78	8.413	10.7976	N55° 27' 06.41"E
C249	8+200.84	759383.6442	3944049.2864	8+185.48	759370.2289	3944041.8043	8+215.86	759393.5072	3944061.0625	83.27	30.38	15.361	20.9032	N50° 23' 56.44"E
C250	8+228.04	759401.3308	3944070.4037	8+223.07	759398.1343	3944066.5872	8+232.95	759405.4715	3944073.1674	34.89	9.89	4.978	16.3322	N48° 06' 48.73"E
C251	8+249.89	759419.5572	3944082.5686	8+240.54	759411.7791	3944077.3773	8+258.77	759428.9009	3944082.9473	33.27	18.23	9.351	31.3996	N71° 58' 46.02"E
C252	8+273.46	759443.5762	3944083.5420	8+266.34	759436.4625	3944083.2537	8+280.37	759449.9774	3944086.6585	34.02	14.04	7.120	23.6386	N75° 51' 35.94"E
C253	8+306.28	759473.2653	3944097.9963	8+299.49	759467.1657	3944095.0267	8+313.01	759479.8427	3944099.6580	65.76	13.52	6.784	11.7802	N69° 55' 50.85"E
C254	8+325.78	759492.2253	3944102.7865	8+320.50	759487.1015	3944101.4920	8+331.05	759497.1378	3944104.7349	81.13	10.55	5.285	7.4544	N72° 05' 37.34"E
C255	8+338.17	759503.7492	3944107.3570	8+334.67	759500.4964	3944106.0669	8+341.64	759506.6417	3944109.3265	31.65	6.97	3.499	12.6176	N62° 03' 27.91"E
C256	8+374.83	759534.0758	3944128.0064	8+354.28	759517.0893	3944116.4403	8+395.01	759546.4512	3944144.4126	124.67	40.73	20.550	18.7212	N46° 23' 18.13"E
C257	8+400.41	759549.7033	3944148.7239	8+397.13	759547.7290	3944146.1065	8+403.68	759552.0709	3944150.9919	40.73	6.54	3.279	9.2037	N41° 37' 46.69"E
C258	8+420.34	759564.1038	3944162.5183	8+408.37	759555.4587	3944154.2371	8+432.13	759569.9033	3944172.9911	78.90	23.76	11.971	17.2552	N37° 36' 14.11"E
C259	8+449.49	759578.3116	3944188.1749	8+437.28	759572.3986	3944177.4971	8+461.43	759587.6150	3944196.0761	66.89	24.15	12.206	20.6827	N39° 19' 03.75"E
C260	8+480.30	759602.0048	3944208.2973	8+471.05	759594.9481	3944202.3041	8+489.42	759606.9099	3944216.1494	59.58	18.37	9.258	17.6663	N40° 49' 33.31"E
C261	8+508.75	759617.1546	3944232.5489	8+501.99	759613.5712	3944226.8127	8+515.52	759620.8315	3944238.2257	826.03	13.53	6.764	0.9383	N32° 27' 42.79"E
C262	8+536.10	759632.0197	3944255.4995	8+529.25	759626.2964	3944249.7510	8+542.94	759635.8677	3944261.1653	626.90	13.70	6.649	1.2519	N33° 33' 25.03"E
C263	8+635.05	759687.6169	3944337.3610	8+622.20	759680.3957	3944326.7285	8+647.76	759691.9031	3944349.4782	99.62	25.56	12.853	14.7029	N26° 49' 53.24"E
C264	8+674.79	759700.9141	3944374.9527	8+665.96	759697.9714	3944366.6335	8+683.61	759704.1928	3944383.1453	433.61	17.65	8.824	2.3317	N20° 38' 45.18"E
C265	8+772.58	759737.2507	3944465.7467	8+761.27	759733.0493	3944455.2488	8+783.85	759740.0098	3944476.7124	168.27	22.58	11.307	7.6886	N17° 58' 02.74"E
C266	8+802.43	759744.5420	3944494.7250	8+793.33	759742.3219	3944485.9014	8+811.45	759748.5853	3944502.8759	84.71	18.13	9.099	12.2612	N20° 15' 13.27"E
C267	8+820.29	759752.5113	3944510.7902	8+814.22	759749.8145	3944505.3538	8+826.29	759756.4713	3944515.3886	48.21	12.07	6.069	14.3498	N33° 33' 32.99"E
C268	8+855.69	759775.6543	3944537.6640	8+846.32	759769.5367	3944530.5603	8+865.02	759780.4811	3944545.7007	109.97	16.70	9.375	9.7450	N35° 51' 41.66"E
C269	8+885.26	759790.9040	3944563.0548	8+869.51	759782.7930	3944549.5500	8+900.94	759796.5928	3944577.7449	183.38	31.43	15.753	9.8198	N26° 04' 45.05"E
C270	8+912.83	759800.8875	3944588.8348	8+904.03	759797.7101	3944580.6299	8+921.51	759806.2376	3944595.8199	61.51	17.48	8.799	16.2800	N29° 18' 33.50"E
C271	8+949.82	759823.4483	3944618.2905	8+937.69	759816.0732	3944608.6615	8+961.93	759829.9496	3944628.5298	275.79	24.24	12.129	5.0363	N34° 55' 52.33"E
C272	9+009.76	759855.5851	3944668.9045	9+003.79	759852.3876	3944663.8686	9+015.69	759857.9167	3944674.3952	72.52	11.90	5.965	9.4049	N27° 42' 38.17"E
C273	9+052.85	759872.4392	3944708.5946	9+045.98	759869.7554	3944702.2744	9+059.41	759871.6529	3944715.4158	26.00	13.43	6.866	29.5837	N8° 12' 58.55"E
C274	9+068.86	759870.5708	3944724.8030	9+067.11	759870.7707	3944723.0693	9+070.60	759870.2004	3944726.5084	35.19	3.49	1.745	5.6777	N9° 24' 51.94"W
C275	9+093.27	759865.3900	3944748.6579	9+081.51	759867.8861	3944737.1647	9+100.44	759876.6777	3944751.9614	12.63	18.94	11.761	85.9406	N30° 43' 01.41"E
C276	9+118.17	759893.6865	3944756.9392	9+110.52	759886.3510	3944754.7924	9+124.64	759896.2081	3944764.1544	14.86	14.12	7.643	54.8236	N46° 28' 32.11"E
C277	9+166.40	759909.9846	3944803.5737	9+161.46	759908.3539	3944798.9077	9+171.30	759910.5749	3944808.4810	45.48	9.85	4.943	12.4046	N13° 03' 41.32"E
C278	9+182.04	759911.8566	3944819.1361	9+172.92	759910.7686	3944810.0910	9+190.92	759916.2447	3944827.1201	47.01	18.00	9.110	21.9346	N17° 49' 35.32"E
C279	9+238.65	759939.2328	3944868.9461	9+226.22	759933.2482	3944858.0572	9+250.72	759940.3722	3944881.3188	59.65	24.50	12.425	23.5325	N17° 01' 39.23"E
C280	9+264.75	759941.6579	3944895.2807	9+260.52	759941.2706	3944891.0753	9+268.81	759943.8935	3944898.8635	17.79	8.29	4.223	26.7023	N18° 36' 44.97"E

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



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV 0	DATE AUG. 2024.	DESCRIPTION TENDER DRAWINGS	NAMES: G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S. DATE: AUG.	SHEET CONTENT: HORIZONTAL CURVE DATA
		1							
		2							

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	9+280.21	759949.9241	3944908.5281	9+277.61	759948.5503	3944906.3265	9+282.79	759951.0120	3944910.8840	41.37	5.18	2.595	7.1783	N28° 22' 28.30"E
C282	9+321.29	759967.1508	3944945.8350	9+311.45	759963.0262	3944936.9027	9+330.86	759974.4834	3944952.3949	47.51	19.40	9.839	23.3984	N36° 29' 04.53"E
C283	9+366.81	760001.2757	3944976.3636	9+363.13	759998.5355	3944973.9121	9+370.41	760003.0546	3944979.5813	21.68	7.28	3.677	19.2484	N38° 33' 34.49"E
C284	9+382.76	760009.0281	3944990.3866	9+374.75	760005.1554	3944983.3814	9+390.61	760015.0281	3944995.6845	46.29	15.85	8.004	19.6205	N38° 44' 44.35"E
C285	9+400.09	760022.1364	3945001.9628	9+395.65	760018.8110	3944999.0247	9+404.45	760024.3662	3945005.8023	27.36	6.80	4.439	18.4326	N39° 20' 22.61"E
C286	9+427.62	760035.9909	3945025.8372	9+422.76	760033.5508	3945021.6318	9+432.48	760038.2036	3945030.1665	182.55	9.72	4.862	3.0513	N28° 35' 51.56"E
C287	9+461.78	760051.5387	3945056.2569	9+448.09	760045.3094	3945044.0690	9+475.41	760055.7797	3945069.2708	173.49	27.32	13.688	9.0220	N22° 33' 39.65"E
C288	9+493.39	760061.3510	3945086.3668	9+489.38	760060.1085	3945082.5538	9+497.39	760062.1953	3945090.2872	77.87	8.01	4.010	5.8964	N15° 06' 06.58"E
C289	9+533.99	760069.9000	3945126.0628	9+518.19	760066.5748	3945110.6226	9+549.75	760074.9245	3945141.0364	282.69	31.56	15.794	6.3957	N15° 21' 05.32"E
C290	9+574.00	760082.6376	3945164.0227	9+557.04	760077.2444	3945147.9501	9+590.88	760085.5362	3945180.7263	222.75	33.84	16.953	8.7047	N14° 11' 49.02"E
C291	9+609.03	760088.6394	3945198.6094	9+602.11	760087.4562	3945191.7910	9+615.90	760088.3038	3945205.5216	62.56	13.78	6.920	12.6246	N3° 31' 56.14"E
C292	9+630.29	760087.6057	3945219.8973	9+624.60	760087.8819	3945214.2102	9+635.94	760088.6098	3945225.5019	50.22	11.34	5.694	12.9367	N3° 41' 17.76"E
C293	9+721.43	760103.6851	3945309.6527	9+710.36	760101.7327	3945298.7545	9+732.40	760108.0485	3945319.8285	96.78	22.05	11.072	13.0532	N16° 40' 59.58"E
C294	9+747.98	760114.1873	3945334.1446	9+739.06	760110.6723	3945325.9474	9+756.49	760113.1152	3945342.9988	33.15	17.43	8.919	30.1138	N8° 09' 10.60"E
C295	9+806.28	760107.1296	3945392.4323	9+793.90	760108.6175	3945380.1440	9+813.54	760119.3707	3945394.2682	12.73	19.64	12.378	88.3740	N37° 16' 59.07"E
C296	9+866.84	760172.0746	3945402.1730	9+847.60	760153.0500	3945399.3196	9+883.86	760182.8535	3945418.1071	43.83	36.26	19.237	47.3931	N57° 46' 24.80"E
C297	9+902.57	760193.3365	3945433.6038	9+888.86	760185.6558	3945422.2497	9+914.95	760191.1286	3945447.1328	34.49	26.10	13.708	43.3459	N12° 24' 14.65"E
C298	9+955.26	760185.5077	3945487.0429	9+945.94	760186.7726	3945477.8134	9+962.11	760193.8354	3945491.2181	13.02	16.17	9.316	71.1763	N27° 47' 02.45"E
C299	9+982.77	760212.3002	3945500.4758	9+973.59	760204.0951	3945496.3620	9+991.06	760215.4331	3945509.1032	23.06	17.47	9.179	43.4145	N41° 39' 53.76"E
C300	10+032.57	760228.6658	3945548.4459	10+014.50	760222.9036	3945531.3136	10+050.57	760237.0088	3945564.4807	232.30	36.08	18.075	8.8986	N23° 02' 19.87"E
C301	10+055.84	760239.4416	3945563.1565	10+052.06	760237.6944	3945565.7984	10+059.60	760240.3750	3945572.8250	32.68	7.54	3.785	13.2133	N20° 52' 53.49"E
C302	10+086.34	760247.4636	3945600.6857	10+072.96	760243.6701	3945585.7780	10+102.34	760260.2451	3945609.2486	40.18	29.39	15.385	41.9050	N35° 13' 38.62"E
C303	10+123.83	760278.0915	3945621.2048	10+116.81	760272.2625	3945617.2997	10+129.56	760277.6956	3945628.2098	12.30	12.75	7.016	59.4147	N26° 28' 21.18"E
C304	10+140.64	760277.0705	3945639.2702	10+132.38	760277.5364	3945631.0267	10+147.76	760283.2593	3945644.7357	17.01	15.37	8.257	51.7863	N22° 39' 30.00"E
C305	10+182.44	760313.7549	3945671.6672	10+179.21	760306.8385	3945665.5591	10+197.39	760317.5118	3945680.0953	42.45	18.17	9.228	24.5262	N36° 17' 18.07"E
C306	10+227.81	760329.8979	3945707.8819	10+220.58	760326.9557	3945701.2815	10+234.85	760330.1285	3945715.1047	36.84	14.27	7.226	22.1968	N12° 55' 36.60"E
C307	10+254.59	760330.7582	3945734.8310	10+242.28	760330.3653	3945722.5220	10+266.87	760329.4266	3945747.0739	175.32	24.59	12.315	8.0360	N2° 11' 22.37"W
C308	10+274.93	760328.5541	3945755.0954	10+269.91	760329.0978	3945750.0968	10+279.94	760327.2335	3945759.9470	63.75	10.04	5.028	9.0193	N10° 43' 01.78"W
C309	10+306.01	760320.3877	3945785.0973	10+296.06	760323.0002	3945775.4993	10+315.89	760319.6316	3945795.0157	104.57	19.83	9.947	10.8674	N9° 47' 35.09"W
C310	10+348.51	760317.1524	3945827.5365	10+333.03	760318.3289	3945812.1042	10+363.73	760320.8041	3945842.5765	97.68	30.70	15.477	18.0066	N4° 38' 38.08"E
C311	10+382.98	760325.3459	3945861.2825	10+374.41	760323.3248	3945852.9582	10+391.53	760326.4639	3945869.7754	159.51	17.12	8.566	6.1481	N10° 34' 23.31"E
C312	10+442.76	760333.1497	3945920.5656	10+431.20	760331.6409	3945909.1035	10+451.35	760322.8716	3945925.8590	16.43	20.15	11.561	70.2502	N27° 37' 33.71"W
C313	10+488.26	760290.0534	3945942.7606	10+475.82	760301.1125	3945937.0651	10+500.63	760280.2120	3945950.3690	135.91	24.81	12.439	10.4588	N57° 31' 18.27"W
C314	10+514.01	760269.6320	3945958.5484	10+503.31	760278.0918	3945952.0082	10+524.53	760259.5906	3945962.2244	69.07	21.22	10.693	17.6009	N61° 05' 34.08"W
C315	10+566.17	760220.4921	3945978.5376	10+547.45	760238.0724	3945970.1018	10+569.26	760235.4689	3945987.7707	10.16	21.82	18.721	123.0222	N8° 22' 55.77"W
C316	10+581.49	760245.2552	3945995.1108	10+576.59	760241.3291	3945992.1661	10+586.25	760250.0557	3945996.1313	22.26	9.66	4.908	24.8690	N65° 33' 48.49"E
C317	10+645.85	760308.3526	3946008.5248	10+634.81	760297.5557	3946006.2295	10+656.55	760317.2353	3946015.0777	51.02	21.74	11.038	24.4146	N65° 47' 26.45"E
C318	10+689.49	760343.7444	3946034.6338	10+679.00	760335.3034	3946028.4067	10+697.79	760341.9511	3946044.9688	16.97	18.79	10.489	63.4272	N21° 52' 11.21"E
C319	10+767.91	760329.9643	3946114.0502	10+765.07	760330.4490	3946111.2567	10+770.74	760329.5736	3946116.8585	168.85	5.67	2.835	1.9240	N8° 52' 54.48"W
C320	10+785.05	760327.6018	3946131.0325	10+771.29	760329.4980	3946117.4022	10+798.65	760322.1971	3946143.6883	103.10	27.36	13.762	15.2055	N15° 31' 21.18"W

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



CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	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		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
			"			DRAWN: MANSOOR DURRANI			DATE:	
			b			CHECKED: SHAHZAD DURRANI			AUG.	

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	10+611.78	760317.0402	3946155.7637	10+804.54	760319.8866	3946149.0980	10+617.86	760320.9671	3946161.8558	13.65	13.33	7.248	55.9309	N4° 50' 24.42"E
C322	10+884.83	760357.2506	3946218.1447	10+871.94	760350.2639	3946207.3058	10+897.51	760360.4827	3946230.6287	80.11	25.57	12.896	18.2901	N23° 39' 37.88"E
C323	10+978.22	760380.7135	3946308.7672	10+967.09	760377.9230	3946297.9900	10+988.82	760377.6187	3946319.4623	40.62	21.73	11.133	30.6551	N0° 48' 43.45"W
C324	11+009.72	760371.8086	3946339.5395	11+003.48	760373.5441	3946333.5422	11+015.90	760371.6712	3946345.7813	47.82	12.42	6.243	14.8780	N8° 42' 02.24"W
C325	11+075.33	760370.3626	3946405.1981	11+035.65	760371.2362	3946365.5327	11+062.63	760390.3069	3946370.9004	10.23	26.98	39.675	151.0834	N74° 16' 48.31"E
C326	11+092.75	760405.4491	3946344.8607	11+078.01	760398.0394	3946357.6030	11+107.45	760411.1362	3946331.2620	225.39	29.44	14.740	7.4833	S26° 26' 11.66"E
C327	11+134.43	760421.5457	3946306.3709	11+126.88	760418.6328	3946313.3361	11+138.50	760428.3462	3946309.6500	7.16	11.63	7.550	93.0476	S69° 13' 07.48"E
C328	11+163.70	760451.0392	3946320.5922	11+157.66	760445.6012	3946317.9701	11+169.33	760453.8599	3946325.9298	18.36	11.67	6.037	36.4033	N46° 03' 20.83"E
C329	11+183.47	760460.4668	3946338.4322	11+176.59	760457.2556	3946332.3557	11+190.26	760461.9834	3946345.1356	51.83	13.67	6.873	15.1057	N20° 18' 04.64"E
C330	11+201.95	760464.5623	3946356.5342	11+195.27	760463.0894	3946350.0240	11+208.53	760464.1731	3946363.1975	47.22	13.26	6.675	16.0913	N4° 42' 10.06"E
C331	11+223.51	760463.2997	3946378.1497	11+216.43	760463.7128	3946371.0780	11+230.52	760464.7000	3946385.0938	54.75	14.09	7.084	14.7432	N4° 01' 43.58"E
C332	11+243.19	760467.2061	3946397.5222	11+232.98	760465.1876	3946387.5121	11+253.30	760471.6305	3946406.7256	81.55	20.32	10.212	14.2752	N18° 32' 16.83"E
C333	11+271.04	760479.3171	3946422.7144	11+264.43	760476.4506	3946416.7520	11+277.54	760483.9171	3946427.4691	40.90	13.12	6.616	18.3777	N34° 51' 52.11"E
C334	11+286.87	760490.4030	3946434.1729	11+280.50	760485.9765	3946429.5977	11+293.13	760493.1514	3946439.9151	39.14	12.62	6.366	18.4761	N34° 48' 54.89"E
C335	11+320.30	760504.8844	3946464.4280	11+313.93	760502.1308	3946458.6758	11+326.66	760508.4539	3946469.7148	86.30	12.73	6.378	8.4539	N29° 48' 14.87"E
C336	11+372.59	760534.1571	3946507.7768	11+356.26	760525.0179	3946494.2431	11+388.85	760545.2789	3946519.7347	209.99	32.60	16.331	8.8938	N38° 28' 40.77"E
C337	11+402.47	760554.5547	3946529.7080	11+396.73	760550.6415	3946525.5006	11+408.21	760558.6839	3946533.7035	218.12	11.49	5.746	3.0179	N44° 26' 01.93"E
C338	11+437.74	760579.9037	3946554.2362	11+433.79	760577.0656	3946551.4900	11+441.66	760583.2572	3946556.3221	37.03	7.87	3.949	12.1758	N52° 01' 50.58"E
C339	11+457.06	760596.3295	3946564.4530	11+450.04	760590.3698	3946560.7461	11+463.94	760600.7057	3946569.9400	40.75	13.90	7.018	19.5444	N48° 20' 46.94"E
C340	11+478.38	760609.7079	3946581.2273	11+469.65	760604.2665	3946574.4046	11+487.06	760613.8973	3946588.8828	100.92	17.41	8.727	9.8848	N33° 37' 54.38"E
C341	11+559.43	760648.6403	3946652.3701	11+545.43	760641.9209	3946640.0914	11+573.02	760659.7588	3946660.8730	66.13	27.59	13.997	23.9034	N40° 38' 27.90"E
C342	11+591.68	760674.5810	3946672.2084	11+583.28	760667.9060	3946667.1037	11+600.03	760682.1296	3946675.9006	84.61	16.75	8.403	11.3432	N58° 15' 51.75"E
C343	11+623.01	760702.714	3946685.9968	11+611.92	760692.8148	3946681.1269	11+634.08	760713.1019	3946690.0130	263.39	22.15	11.084	4.8194	N66° 20' 44.40"E
C344	11+671.32	760747.8152	3946703.5085	11+660.16	760737.4074	3946699.4623	11+681.27	760752.1097	3946713.8163	26.22	21.11	11.167	46.1372	N45° 41' 12.32"E
C345	11+730.76	760771.1442	3946759.5028	11+723.97	760768.5318	3946753.2326	11+737.49	760775.1466	3946764.9911	57.46	13.52	6.793	13.4844	N29° 21' 37.31"E
C346	11+750.31	760782.7006	3946775.3492	11+745.10	760779.6280	3946771.1360	11+755.47	760784.5568	3946780.2223	38.95	10.37	5.215	15.2511	N28° 28' 37.25"E
C347	11+766.39	760788.4455	3946790.4319	11+762.22	760786.9608	3946786.5340	11+770.55	760789.3269	3946794.5087	55.14	8.33	4.171	8.6523	N16° 31' 31.16"E
C348	11+778.70	760791.0489	3946802.4739	11+775.04	760790.2758	3946798.8979	11+782.31	760792.7481	3946805.7139	26.92	7.27	3.659	15.4760	N19° 56' 13.90"E
C349	11+793.53	760797.9583	3946815.6482	11+786.77	760794.8181	3946809.6606	11+800.09	760803.2653	3946819.8373	31.76	13.32	6.761	24.0386	N39° 41' 40.28"E
C350	11+812.31	760812.8583	3946827.4096	11+802.77	760805.3736	3946821.5015	11+821.68	760818.1098	3946835.3687	59.21	18.91	9.535	18.2963	N42° 33' 56.45"E
C351	11+834.41	760825.1211	3946845.9945	11+833.81	760824.7897	3946845.4926	11+835.02	760825.4453	3946846.5019	84.17	1.20	0.602	0.8193	N33° 00' 28.41"E
C352	11+974.27	760900.4656	3946963.8156	11+966.82	760896.4541	3946957.5426	11+981.69	760903.5988	3946970.5704	110.45	14.87	7.446	7.7138	N28° 44' 28.91"E
C353	11+999.05	760910.9046	3946986.3204	11+995.82	760909.5435	3946983.3862	12+002.28	760912.4294	3946989.1729	114.25	6.47	3.235	3.2432	N26° 30' 21.91"E
C354	12+014.98	760918.4127	3947000.3655	12+010.37	760916.2396	3946996.3005	12+019.57	760921.1356	3947004.0847	65.25	9.20	4.609	8.0815	N32° 10' 06.46"E
C355	12+031.46	760928.1595	3947013.6784	12+026.66	760925.3267	3947009.8091	12+036.24	760930.4798	3947017.8753	75.43	9.58	4.795	7.2753	N32° 34' 17.57"E
C356	12+074.15	760948.8174	3947051.0478	12+058.97	760941.4773	3947037.7699	12+089.17	760959.1417	3947062.1647	124.02	30.19	15.172	13.9492	N35° 54' 30.50"E
C357	12+140.16	760993.8417	3947099.5285	12+119.53	760979.8029	3947084.4119	12+160.51	761003.0525	3947117.9882	143.47	40.98	20.630	16.3655	N34° 42' 01.06"E
C358	12+179.94	761011.7269	3947135.3731	12+168.82	761006.7619	3947125.4226	12+190.98	761018.5936	3947144.1201	109.33	22.16	11.120	11.6157	N32° 19' 31.42"E
C359	12+216.69	761034.4676	3947164.3408	12+209.43	761029.9837	3947158.6291	12+223.87	761037.3120	3947171.0220	54.89	14.44	7.261	15.0728	N30° 35' 48.69"E
C360	12+240.97	761044.0119	3947186.7600	12+234.45	761041.4584	3947180.7619	12+247.34	761048.5831	3947191.4076	34.39	12.89	6.519	21.4642	N33° 47' 33.18"E

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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024.	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		0			DRAWN	MANSOOR DURRANI			DATE:	
0			CHECKED	SHAHZAD DURRANI	AUG.					

Curve Table: Alignments

Curve #	PI Station	PI Easting	PI Northing	PC Station	PC Easting	PC Northing	PT Station	PT Easting	PT Northing	Radius	Length	Tangent Length	Delta Angle	Chord Direction
C361	12+296.86	761083.3123	3947226.7179	12+289.29	761078.0041	3947221.3208	12+304.43	761088.3020	3947232.4108	263.52	15.14	7.570	3.2909	N42° 52' 45.03"E
C362	12+469.40	761197.0369	3947356.4704	12+452.12	761185.6489	3947343.4774	12+486.52	761205.1432	3947371.7280	148.73	34.40	17.277	13.2524	N34° 36' 27.06"E
C363	12+572.47	761245.4676	3947447.6269	12+546.59	761233.3246	3947424.7714	12+590.00	761270.2956	3947440.3196	31.72	43.42	25.881	78.4187	N67° 11' 26.53"E
C364	12+598.30	761278.2553	3947437.9769	12+592.76	761272.0367	3947439.5422	12+603.67	761283.7432	3947438.7647	25.46	10.92	5.544	24.5694	S85° 53' 04.63"E
C365	12+610.70	761290.6990	3947439.7632	12+603.85	761283.9138	3947438.7892	12+617.33	761296.4168	3947443.5439	30.54	13.49	6.855	25.3036	N69° 10' 43.96"E
C366	12+637.96	761313.6208	3947454.9193	12+631.36	761308.1142	3947451.2783	12+642.10	761317.8171	3947449.8232	7.33	10.75	6.601	84.0040	S81° 28' 15.36"E
C367	12+658.73	761328.3882	3947436.9852	12+653.16	761324.8448	3947441.2885	12+662.39	761333.1962	3947439.8063	6.53	9.23	5.574	80.9340	S79° 56' 09.47"E
C368	12+686.58	761354.0635	3947452.0505	12+677.60	761346.3162	3947447.5047	12+695.51	761360.7437	3947458.0555	88.82	17.90	8.982	11.5501	N53° 49' 18.99"E
C369	12+711.17	761372.3898	3947468.5245	12+705.02	761367.8225	3947464.4189	12+717.26	761375.9578	3947473.5230	55.96	12.23	6.141	12.5264	N41° 47' 01.19"E
C370	12+725.57	761380.7853	3947480.2857	12+721.18	761378.2345	3947476.7124	12+729.85	761381.7998	3947484.5572	22.42	8.67	4.390	22.1597	N24° 26' 26.23"E
C371	12+742.98	761384.8349	3947497.3359	12+738.22	761383.7334	3947492.6983	12+747.71	761386.9107	3947501.6268	43.68	9.50	4.767	12.4558	N19° 35' 19.34"E
C372	12+757.28	761391.0785	3947510.2419	12+755.10	761390.1287	3947508.2785	12+759.45	761392.3276	3947512.0298	27.34	4.35	2.181	9.1224	N30° 22' 40.23"E
C373	12+772.63	761399.8739	3947522.8316	12+768.67	761397.6053	3947519.5843	12+776.54	761402.9752	3947525.2960	27.17	7.87	3.961	16.5880	N43° 13' 59.06"E
C374	12+850.31	761460.7331	3947571.1941	12+849.36	761459.9883	3947570.6023	12+851.26	761461.4786	3947571.7848	1278.11	1.90	0.951	0.0853	N51° 34' 11.05"E
C375	12+912.59	761509.5468	3947609.8663	12+904.25	761503.0115	3947604.6888	12+920.92	761515.7405	3947615.4479	262.58	16.67	8.338	3.6373	N49° 47' 37.36"E
C376	12+945.28	761533.8392	3947631.7584	12+939.88	761529.8276	3947628.1431	12+950.41	761535.3938	3947636.9300	19.31	10.53	5.400	31.2445	N32° 21' 10.10"E
C377	12+992.88	761547.6174	3947677.5947	12+985.05	761545.3645	3947670.1000	13+000.65	761548.4099	3947685.3804	81.89	15.60	7.826	10.9181	N11° 16' 17.51"E


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



CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)  MINCONSULT SDN BHD (COMPANY NO. 58935-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S DATE: AAC	HORIZONTAL CURVE DATA
		a			DRAWN	MANSOOR DURRANI								
b			CHECKED	SHAHZAD DURRANI										


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
C378	13+127.34	761552.1292	3947724.0182	13+121.97	761551.3200	3947718.7101	13+132.71	761553.2338	3947729.2729	192.02	10.74	5.369	3.2035	N10° 16' 10.12"E
C379	13+186.12	761564.2220	3947781.5458	13+175.67	761562.0712	3947771.3139	13+196.57	761567.2622	3947791.5497	237.91	20.90	10.456	5.0327	N14° 23' 15.37"E
C380	13+252.82	761583.6190	3947845.3729	13+234.22	761578.2116	3947827.5796	13+271.41	761589.8669	3947862.8857	781.15	37.19	18.597	2.7275	N18° 16' 03.88"E
C381	13+301.58	761600.0023	3947891.3026	13+297.45	761598.6156	3947887.4152	13+305.69	761601.9623	3947894.9348	54.13	8.24	4.127	8.7211	N23° 59' 31.48"E
C382	13+327.05	761612.1073	3947913.7346	13+316.69	761607.1866	3947904.6160	13+337.34	761618.8294	3947921.6197	97.80	20.65	10.362	12.0954	N34° 24' 01.20"E
C383	13+345.03	761623.8204	3947927.4742	13+337.69	761619.0620	3947921.8925	13+352.28	761629.8882	3947931.5948	54.35	14.58	7.335	15.3718	N48° 08' 02.20"E
C384	13+382.46	761654.8581	3947948.5516	13+364.39	761639.9141	3947938.4032	13+398.46	761657.5739	3947966.4104	41.37	34.06	18.064	47.1729	N32° 14' 00.31"E
C385	13+418.90	761660.6473	3947986.6197	13+409.52	761659.2370	3947977.3453	13+427.94	761666.0588	3947994.2812	39.70	18.42	9.380	26.5877	N21° 56' 26.92"E
C386	13+474.46	761692.8936	3948032.2732	13+456.53	761682.5499	3948017.6289	13+492.30	761705.5743	3948044.9478	209.58	35.77	17.929	9.7790	N40° 07' 26.98"E
C387	13+578.30	761766.4005	3948105.7450	13+563.34	761755.8181	3948095.1676	13+593.20	761778.4937	3948114.5556	192.02	29.86	14.962	8.9109	N49° 28' 08.93"E
C388	13+614.62	761795.8086	3948127.1704	13+603.50	761786.8191	3948120.6210	13+625.64	761803.0067	3948135.6493	93.31	22.14	11.122	13.5949	N47° 07' 37.80"E
C389	13+633.78	761808.2731	3948141.8526	13+629.25	761805.3456	3948138.4042	13+638.29	761810.7692	3948145.6250	75.72	9.04	4.523	6.8378	N36° 54' 38.94"E
C390	13+653.80	761819.3268	3948158.5580	13+647.46	761815.8296	3948153.2728	13+660.12	761823.3931	3948163.4189	112.96	12.66	6.337	6.4221	N36° 42' 10.74"E
C391	13+675.85	761833.4815	3948175.4784	13+669.05	761829.1238	3948170.2693	13+682.35	761834.7840	3948182.1437	26.40	13.29	6.791	28.8567	N25° 29' 08.51"E
C392	13+699.31	761838.0366	3948198.7881	13+691.63	761836.5637	3948191.2509	13+706.93	761841.0544	3948205.8500	72.57	15.30	7.680	12.0810	N17° 05' 52.27"E
C393	13+715.80	761844.5406	3948214.0083	13+709.82	761842.1913	3948208.5106	13+721.75	761845.9160	3948219.8265	69.46	11.93	5.979	9.8385	N18° 13' 08.69"E
C394	13+759.78	761854.6635	3948256.8317	13+750.57	761852.5467	3948247.8769	13+768.82	761859.4875	3948264.6674	57.07	18.25	9.202	18.3183	N22° 27' 32.27"E
C395	13+778.55	761864.5903	3948272.9560	13+774.38	761862.4004	3948269.3989	13+782.71	761866.0558	3948276.8675	43.07	8.33	4.177	11.0785	N26° 04' 43.98"E
C396	13+796.46	761870.8802	3948289.7438	13+792.58	761869.5208	3948286.1156	13+800.33	761872.4926	3948293.2668	109.52	7.75	3.874	4.0523	N22° 33' 56.94"E
C397	13+816.24	761879.1151	3948307.7371	13+808.90	761876.0605	3948301.0627	13+823.51	761880.5504	3948314.9355	62.88	14.61	7.340	13.3155	N17° 56' 03.20"E
C398	13+876.31	761890.8738	3948366.7096	13+862.99	761888.2697	3948353.6492	13+888.87	761900.2245	3948376.1923	44.50	25.88	13.318	33.3219	N27° 56' 14.73"E
C399	13+916.87	761919.8851	3948396.1305	13+907.37	761913.2155	3948389.3667	13+926.10	761923.2551	3948405.0118	45.04	18.72	9.499	23.8194	N32° 41' 19.32"E
C400	13+961.73	761935.8968	3948438.3281	13+950.23	761931.8166	3948427.5750	13+973.05	761943.0759	3948447.3135	73.26	22.82	11.501	17.8449	N29° 42' 05.26"E
C401	13+985.85	761951.0660	3948457.3139	13+977.81	761946.0525	3948451.0390	13+993.86	761955.3187	3948464.1274	138.18	16.05	8.032	6.6531	N35° 17' 50.43"E
C402	14+030.05	761974.4783	3948494.8240	14+025.86	761972.2648	3948491.2777	14+034.22	761976.8379	3948498.2747	200.00	8.36	4.180	2.3948	N33° 10' 05.45"E
C403	14+059.19	761990.9332	3948518.8868	14+054.14	761988.0814	3948514.7165	14+064.24	761993.3362	3948523.3309	96.98	10.10	5.052	5.9643	N31° 23' 00.37"E
C404	14+074.40	761998.1709	3948532.2720	14+067.86	761995.0588	3948526.5165	14+080.52	762004.0495	3948535.1449	20.41	12.66	6.543	35.5532	N46° 10' 40.33"E
C405	14+088.06	762010.8193	3948538.4535	14+083.64	762006.8542	3948536.5156	14+092.02	762012.2814	3948542.6176	10.76	8.38	4.413	44.6078	N41° 39' 02.02"E
C406	14+111.32	762018.6737	3948560.8236	14+103.81	762016.1855	3948553.7368	14+118.79	762022.2895	3948567.4069	91.06	14.99	7.511	9.4303	N24° 03' 42.50"E
C407	14+131.38	762028.3468	3948578.4356	14+127.15	762026.3101	3948574.7274	14+135.61	762030.2248	3948582.2266	200.00	8.46	4.231	2.4237	N27° 33' 54.41"E
C408	14+163.33	762042.5327	3948607.0716	14+155.56	762039.0830	3948600.1079	14+171.05	762044.4864	3948614.5933	75.25	15.49	7.771	11.7932	N20° 27' 23.96"E
C409	14+195.00	762050.5085	3948637.7790	14+183.81	762047.6937	3948626.9416	14+204.13	762042.5572	3948645.6625	19.47	20.32	11.197	59.8058	N15° 20' 34.25"E
C410	14+214.65	762035.0891	3948653.0667	14+207.28	762040.3188	3948647.8817	14+221.68	762033.1019	3948660.1579	27.88	14.40	7.364	29.5908	N30° 27' 01.18"E
C411	14+246.87	762026.3058	3948684.4091	14+235.09	762029.4831	3948673.0714	14+252.78	762037.9332	3948686.2644	10.49	17.69	11.774	96.5888	N32° 38' 22.02"E
C412	14+270.13	762055.0633	3948688.9979	14+260.14	762045.2043	3948687.4247	14+278.82	762060.1810	3948697.5702	21.36	18.68	9.984	50.0968	N55° 53' 07.51"E
C413	14+315.65	762079.0572	3948729.1889	14+305.98	762074.1030	3948720.8903	14+324.85	762079.0674	3948738.8539	35.12	18.86	9.665	30.7768	N15° 26' 55.03"E
C414	14+386.84	762079.1325	3948800.8476	14+382.18	762079.1276	3948796.1926	14+391.40	762077.5439	3948805.2233	26.38	9.22	4.655	20.0144	N9° 56' 49.01"W
C415	14+435.75	762062.4098	3948846.9078	14+407.50	762072.0490	3948820.3582	14+439.51	762089.6674	3948839.5041	14.66	32.01	28.245	125.1503	N42° 37' 15.61"E
C416	14+457.32	762106.8463	3948834.8379	14+447.26	762097.1410	3948837.4741	14+464.91	762112.8350	3948842.9173	14.73	17.65	10.057	68.6491	N70° 52' 17.72"E
C417	14+512.79	762141.3505	3948881.3876	14+505.17	762136.8133	3948875.2665	14+520.41	762146.2988	3948887.1815	220.81	15.23	7.619	3.9525	N38° 31' 23.87"E


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





CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		MINCONSULT SDN BHD (COMPANY NO. 58835-P)	g	AUG, 2024.	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		J.V.	a			DRAWN	MANSOOR DURRANI			DATE:	
		CREATIVE ENGINEERING	b			CHECKED	SHAHZAD DURRANI			AUG	

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
C418	14+539.27	762158.5468	3948901.5222	14+527.95	762151.2005	3948892.9207	14+550.39	762168.2109	3948907.4011	70.67	22.43	11.312	18.1874	N49° 35' 35.77"E
C419	14+561.79	762177.9546	3948913.3284	14+557.31	762174.1230	3948910.9976	14+566.24	762181.1659	3948916.4591	39.49	8.93	4.485	12.9581	N52° 12' 28.62"E
C420	14+585.95	762195.2834	3948930.2218	14+578.48	762189.9335	3948925.0064	14+593.34	762199.1209	3948936.6323	57.44	14.86	7.471	14.8227	N38° 19' 03.25"E
C421	14+603.25	762204.2087	3948945.1312	14+593.57	762199.2394	3948936.8302	14+611.97	762213.5452	3948947.6673	24.01	18.39	9.675	43.8974	N52° 51' 17.64"E
C422	14+624.12	762225.2713	3948950.8524	14+616.85	762218.2528	3948948.9460	14+631.14	762230.7483	3948955.6374	31.57	14.30	7.273	25.9459	N61° 49' 50.26"E
C423	14+678.02	762266.0481	3948986.4773	14+673.89	762262.9427	3948983.7642	14+682.14	762269.2627	3948989.0601	200.00	8.25	4.124	2.3624	N50° 02' 19.88"E
C424	14+723.96	762301.8651	3949015.2543	14+717.45	762296.7869	3949011.1743	14+730.28	762308.1725	3949016.8825	30.25	12.83	6.514	24.3062	N63° 22' 23.24"E
C425	14+741.74	762319.2662	3949019.7461	14+736.62	762314.3166	3949018.4684	14+746.65	762323.0619	3949023.1700	20.83	10.03	5.112	27.5783	N61° 44' 13.35"E
C426	14+753.74	762328.3244	3949027.9170	14+748.39	762324.3519	3949024.3337	14+759.00	762333.1850	3949030.1522	35.05	10.62	5.350	17.3567	N56° 37' 34.36"E
C427	14+767.28	762340.7012	3949033.6085	14+760.75	762334.7748	3949030.8833	14+773.66	762345.3249	3949038.2096	36.69	12.91	6.523	20.1638	N55° 13' 21.55"E
C428	14+824.32	762381.2300	3949073.9388	14+818.74	762377.2770	3949070.0051	14+829.55	762382.2505	3949079.4214	17.91	10.81	5.577	34.5969	N27° 50' 32.24"E
C429	14+861.04	762388.0124	3949110.3776	14+855.91	762387.0726	3949105.3283	14+865.19	762392.8864	3949111.9972	8.71	9.28	5.136	61.0753	N41° 04' 53.23"E
C430	???	762407.9155	3949115.4149	???	762407.9144	3949115.4145	???	762407.9166	3949115.4153	2.50	0.00	0.001	0.0543	N70° 46' 16.81"E
C431	14+899.79	762425.7206	3949122.9075	14+890.51	762416.9186	3949119.9828	14+908.81	762434.9661	3949122.1647	45.64	18.30	9.275	22.9749	N83° 06' 23.46"E
C432	14+921.34	762447.4581	3949121.1609	14+909.88	762436.0338	3949122.0789	14+932.54	762458.4335	3949124.4621	60.85	22.66	11.461	21.3345	N83° 55' 36.10"E
C433	14+975.58	762499.6532	3949136.8605	14+975.25	762499.3322	3949136.7639	14+975.92	762499.9738	3949136.9585	149.09	0.67	0.335	0.2576	N73° 07' 50.20"E
C434	15+008.55	762531.1825	3949146.4989	14+999.70	762522.7189	3949143.9109	15+017.25	762540.0322	3949146.2794	54.60	17.55	8.852	18.4189	N82° 12' 40.47"E
C435	15+037.04	762559.8140	3949145.7888	15+031.83	762554.6019	3949145.9180	15+042.23	762564.9714	3949146.5529	60.51	10.40	5.214	9.9486	N86° 29' 46.93"E
C436	15+075.41	762597.7893	3949151.4154	15+071.15	762593.5848	3949150.7924	15+079.64	762602.0396	3949151.3788	54.48	8.48	4.250	8.9215	N86° 01' 58.00"E
C437	15+098.47	762620.8750	3949151.2166	15+093.46	762615.8581	3949151.2598	15+103.26	762625.2369	3949153.6956	18.66	9.80	5.017	30.1046	N75° 26' 28.37"E
C438	15+152.72	762668.2346	3949178.1327	15+146.18	762662.5506	3949174.9023	15+159.05	762672.0171	3949183.4653	29.44	12.87	6.538	25.0404	N47° 52' 07.43"E
C439	15+169.87	762678.2819	3949192.2974	15+163.43	762674.5541	3949187.0419	15+176.00	762684.1789	3949194.8939	23.32	12.57	6.443	30.8877	N50° 47' 32.54"E
C440	15+185.82	762693.1661	3949198.8509	15+176.63	762684.7509	3949195.1458	15+194.84	762699.8457	3949205.1696	53.11	18.21	9.195	19.6458	N56° 24' 47.89"E
C441	15+219.93	762718.0768	3949222.4158	15+208.91	762710.0706	3949214.8422	15+230.27	762728.9742	3949224.0608	35.14	21.36	11.021	34.8251	N64° 00' 10.67"E
C442	15+245.44	762743.9758	3949226.3255	15+235.81	762734.4554	3949224.8883	15+254.19	762750.0407	3949233.9035	24.84	18.37	9.628	42.3725	N60° 13' 45.40"E
C443	15+279.58	762766.0387	3949253.5291	15+278.42	762765.3090	3949252.6293	15+280.74	762766.7813	3949254.4183	161.29	2.32	1.158	0.8231	N39° 27' 16.41"E
C444	15+311.68	762786.6134	3949278.1658	15+289.17	762772.1823	3949260.8856	15+333.39	762807.2308	3949287.2095	95.80	44.22	22.514	26.4496	N53° 05' 27.25"E
C445	15+369.84	762840.6058	3949301.8492	15+360.79	762832.3226	3949298.2158	15+378.73	762849.6131	3949302.6753	55.71	17.93	9.045	18.4440	N75° 32' 15.74"E
C446	15+403.26	762874.0460	3949304.9162	15+400.37	762871.1687	3949304.6523	15+406.13	762876.8056	3949305.7724	27.50	5.76	2.889	11.9970	N78° 45' 40.30"E
C447	15+421.22	762891.2154	3949310.2433	15+413.72	762884.0600	3949308.0232	15+428.38	762898.5368	3949308.6534	28.47	14.65	7.492	29.4891	N87° 30' 26.08"E
C448	15+449.62	762919.2985	3949304.1449	15+441.69	762911.5457	3949305.8285	15+457.32	762927.0592	3949305.7923	36.95	15.63	7.934	24.2362	S89° 51' 58.69"E
C449	15+487.29	762956.3817	3949312.0166	15+477.10	762946.4119	3949309.9003	15+497.34	762965.3287	3949316.8979	69.73	20.24	10.192	16.6314	N69° 41' 59.61"E
C450	15+546.19	763008.2052	3949340.2903	15+533.53	762997.0922	3949334.2273	15+558.62	763016.8102	3949349.5753	77.47	25.10	12.659	18.5608	N52° 06' 13.55"E
C451	15+566.67	763022.2809	3949355.4782	15+561.42	763018.7115	3949351.6268	15+571.84	763026.8399	3949358.0840	34.27	10.42	5.251	17.4258	N51° 32' 10.41"E
C452	15+596.30	763049.8150	3949371.2159	15+589.06	763041.7926	3949366.6305	15+607.36	763055.7848	3949378.2689	52.39	18.29	9.240	20.0044	N50° 14' 48.92"E
C453	15+621.66	763065.0249	3949388.1858	15+609.76	763057.3401	3949380.1065	15+633.05	763067.3508	3949400.8512	46.05	23.28	11.895	28.9685	N25° 45' 37.69"E
C454	15+663.30	763073.2661	3949430.5185	15+645.60	763069.8059	3949413.1644	15+678.02	763089.7088	3949437.0588	32.57	32.42	17.696	57.0329	N39° 47' 33.57"E
C455	15+691.74	763102.4590	3949442.1304	15+686.19	763097.2954	3949440.0765	15+697.29	763107.7827	3949443.7238	126.58	11.11	5.557	5.0276	N70° 49' 22.45"E
C456	15+730.61	763139.7018	3949453.2777	15+722.40	763131.8324	3949450.9223	15+737.91	763143.3997	3949460.6127	19.08	15.51	8.214	46.5920	N50° 02' 44.42"E
C457	15+759.41	763153.0807	3949479.8156	15+741.44	763144.9900	3949463.7672	15+776.30	763168.8367	3949488.4619	57.90	34.85	17.973	34.4890	N43° 59' 57.02"E

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



<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	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA	
		1			DRAWN	MANSOOR DURRANI					
		2			CHECKED	SHAHZAD DURRANI					
										DATE:	AUG.

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
C498	17+056.12	764250.5209	3949850.8751	17+052.80	764250.3906	3949847.5541	17+059.42	764249.9756	3949854.1537	32.47	6.62	3.324	11.6897	N3° 35' 55.09"W
C499	17+113.34	764241.1284	3949907.3445	17+091.99	764244.6316	3949886.2828	17+133.34	764250.4072	3949926.5739	67.30	41.35	21.351	35.2022	N8° 09' 27.39"E
C500	17+145.20	764255.5613	3949937.2554	17+133.93	764250.6620	3949927.1019	17+156.04	764255.2409	3949948.5246	46.27	22.12	11.274	27.3873	N12° 03' 54.12"E
C501	17+236.18	764252.9634	3950028.6273	17+227.07	764253.2223	3950019.5229	17+245.27	764251.7538	3950037.6546	173.69	18.20	9.108	6.0034	N4° 37' 49.11"W
C502	17+268.91	764248.6135	3950061.0898	17+257.89	764250.0782	3950050.1590	17+278.77	764239.7924	3950067.7091	26.31	20.89	11.028	45.4840	N30° 22' 26.40"W
C503	17+309.61	764215.1288	3950086.2163	17+301.94	764221.2610	3950081.6147	17+317.21	764210.1800	3950092.0718	67.75	15.27	7.667	12.9132	N46° 39' 33.79"W
C504	17+340.87	764194.9064	3950110.1438	17+333.77	764199.4903	3950104.7201	17+347.71	764193.2836	3950117.0572	29.59	13.94	7.101	26.9923	N26° 42' 23.86"W
C505	17+361.99	764190.0201	3950130.9596	17+354.49	764191.7348	3950123.6548	17+368.57	764183.3878	3950134.4683	16.50	14.08	7.503	48.9088	N37° 39' 53.89"W
C506	17+378.03	764175.0292	3950138.8904	17+370.50	764181.6795	3950135.3721	17+385.34	764170.3055	3950144.7463	36.61	14.84	7.524	23.2279	N50° 30' 19.34"W
C507	17+396.85	764163.0797	3950153.7041	17+389.07	764167.9682	3950147.6439	17+403.83	764163.9091	3950161.4458	18.79	14.76	7.786	45.0060	N16° 23' 18.25"W
C508	17+415.86	764165.1901	3950173.4036	17+409.37	764164.4992	3950166.9541	17+422.31	764166.9799	3950179.6383	74.87	12.94	6.486	9.9028	N11° 03' 57.68"E
C509	17+440.73	764172.0617	3950197.3402	17+430.19	764169.1550	3950187.2151	17+450.85	764179.3533	3950204.9428	42.59	20.65	10.534	27.7863	N29° 54' 38.16"E
C510	17+458.93	764184.9524	3950210.7808	17+453.88	764181.4523	3950207.1313	17+463.77	764186.2001	3950215.6810	19.19	9.89	5.057	29.5187	N29° 02' 39.94"E
C511	17+471.22	764188.0383	3950222.9004	17+467.53	764187.1288	3950219.3282	17+474.86	764187.9697	3950226.5859	27.35	7.33	3.686	15.3510	N6° 36' 34.49"E
C512	17+486.87	764187.7463	3950238.5925	17+482.53	764187.8270	3950234.2579	17+491.17	764186.7738	3950242.8173	41.61	8.64	4.335	11.8974	N7° 00' 52.63"W
C513	17+499.63	764184.8768	3950251.0582	17+495.93	764185.7067	3950247.4529	17+502.66	764187.5449	3950253.6210	6.52	6.73	3.700	59.1167	N16° 35' 42.15"E
C514	17+510.27	764193.0353	3950258.8947	17+505.67	764189.7150	3950255.7054	17+514.61	764194.0428	3950263.3870	15.29	8.94	4.604	33.5125	N29° 23' 49.75"E
C515	17+538.29	764199.2255	3950286.4954	17+534.91	764198.4855	3950283.1962	17+541.67	764200.3158	3950289.6959	62.72	6.76	3.381	6.1715	N15° 43' 36.02"E
C516	17+569.25	764209.2092	3950315.8016	17+560.91	764206.5220	3950307.9137	17+577.23	764207.7994	3950324.0146	32.75	16.32	8.333	28.5527	N4° 32' 09.95"E
C517	17+582.12	764206.9734	3950328.8266	17+577.60	764207.7374	3950324.3758	17+586.53	764204.6725	3950332.7124	24.50	8.93	4.516	20.8906	N20° 11' 07.97"W
C518	17+596.96	764199.3594	3950341.6853	17+589.84	764202.9863	3950335.5602	17+602.40	764203.6228	3950347.3857	10.67	12.55	7.118	67.4239	N3° 04' 51.85"E
C519	17+632.25	764221.5014	3950371.2906	17+626.05	764217.7868	3950366.3239	17+638.43	764224.5046	3950376.7172	90.61	12.38	6.202	7.8316	N32° 52' 37.88"E
C520	17+675.12	764242.2727	3950408.8226	17+670.33	764239.9507	3950404.6270	17+679.86	764243.3791	3950413.4885	34.96	9.53	4.795	15.6207	N21° 09' 03.66"E
C521	17+691.24	764246.0052	3950424.5623	17+686.84	764244.9889	3950420.2769	17+695.18	764249.7634	3950426.8586	10.57	8.35	4.404	45.2333	N35° 57' 26.22"E
C522	17+723.18	764273.6505	3950441.4543	17+712.77	764264.7677	3950436.0267	17+733.10	764278.5859	3950450.6197	38.48	20.33	10.410	30.2719	N43° 26' 16.65"E
C523	17+764.02	764293.2444	3950477.8411	17+753.66	764288.3355	3950468.7251	17+773.76	764302.4133	3950482.6506	33.85	20.10	10.354	34.0189	N45° 18' 41.30"E
C524	17+797.46	764323.3990	3950493.6586	17+788.57	764315.5320	3950483.5320	17+806.18	764329.5211	3950500.0959	53.78	17.61	8.884	18.7583	N52° 56' 30.49"E
C525	17+817.74	764337.4854	3950508.4701	17+809.78	764331.9992	3950502.7015	17+825.27	764339.0045	3950516.2847	27.26	15.49	7.961	32.5620	N27° 16' 54.08"E
C526	17+849.47	764343.6225	3950540.0408	17+834.11	764340.6920	3950524.9658	17+863.20	764356.4142	3950548.5386	36.71	29.09	15.357	45.4023	N33° 42' 06.68"E
C527	17+884.39	764374.0591	3950560.2605	17+878.63	764369.2633	3950557.0745	17+890.13	764378.4575	3950563.9758	100.00	11.50	5.758	6.5904	N53° 06' 28.07"E
C528	18+051.43	764501.6844	3950668.0642	18+048.43	764499.3896	3950666.1258	18+054.44	764503.9054	3950670.0867	161.29	6.01	3.004	2.1339	N48° 44' 44.26"E
C529	18+133.85	764562.6244	3950723.5569	18+124.97	764556.0517	3950717.5716	18+142.74	764569.2583	3950729.4743	1732.80	17.78	8.890	0.5879	N47° 58' 21.37"E
C530	18+185.90	764601.4640	3950758.2023	18+165.39	764586.1602	3950744.5511	18+206.33	764614.5665	3950773.9784	274.15	40.94	20.508	8.5559	N43° 59' 18.94"E
C531	18+219.96	764623.2732	3950784.4617	18+217.26	764621.5487	3950782.3853	18+222.65	764624.6232	3950786.7989	31.82	5.39	2.699	9.6983	N34° 51' 41.46"E
C532	18+272.53	764649.5769	3950829.9984	18+259.93	764643.2716	3950819.0828	18+284.95	764652.3507	3950842.2953	82.86	25.02	12.606	17.3009	N21° 21' 42.86"E
C533	18+303.91	764656.5240	3950860.7962	18+297.34	764655.0769	3950854.3809	18+310.42	764656.3027	3950867.3690	51.20	13.08	6.577	14.6400	N5° 23' 29.16"E
C534	18+339.47	764655.3249	3950896.4075	18+319.77	764655.9878	3950876.7183	18+359.07	764651.1343	3950915.6570	217.46	39.29	19.700	10.3528	N7° 06' 17.86"W
C535	18+370.09	764648.7890	3950926.4303	18+367.10	764649.4251	3950923.5086	18+373.08	764648.1890	3950929.3597	485.63	5.98	2.990	0.7056	N11° 55' 42.84"W
C536	18+422.10	764638.3526	3950977.3821	18+415.08	764639.7614	3950970.5043	18+429.12	764637.2330	3950984.3129	335.22	14.04	7.021	2.3996	N10° 22' 33.55"W
C537	18+435.41	764636.2305	3950990.5191	18+433.91	764636.4693	3950983.0407	18+436.90	764635.8668	3950991.9719	35.18	2.99	1.498	4.8758	N11° 36' 50.76"W

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

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58335-P) J.V. CREATIVE ENGINEERING</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		0			DRAWN	MANSOOR DURRANI				
		0			CHECKED	SHAHZAD DURRANI				

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
C538	18+454.72	764631.5406	3951009.2565	18+450.55	764632.5532	3951005.2109	18+458.82	764631.8982	3951013.4116	24.96	8.26	4.170	18.9702	N4° 34' 00.90"W
C539	18+475.96	764633.3681	3951030.4944	18+466.28	764632.5381	3951020.8480	18+484.83	764627.7180	3951038.3569	26.16	18.55	9.682	40.6200	N15° 23' 30.81"W
C540	18+550.27	764589.5285	3951091.4996	18+526.58	764603.3527	3951072.2625	18+573.61	764581.9041	3951113.9283	159.20	47.03	23.689	16.9269	N27° 14' 18.23"W
C541	18+612.82	764569.2844	3951151.0516	18+607.55	764570.9804	3951146.0624	18+618.03	764566.3607	3951155.4358	40.24	10.48	5.270	14.9232	N26° 14' 11.54"W
C542	18+631.26	764559.0209	3951166.4422	18+624.36	764562.8485	3951160.7025	18+638.07	764556.9148	3951173.0116	49.33	13.71	6.899	15.9230	N25° 44' 11.79"W
C543	18+654.50	764551.8997	3951188.6552	18+646.46	764554.3548	3951180.9970	18+662.44	764551.6180	3951196.6924	58.08	15.96	8.042	15.7673	N9° 53' 29.14"W
C544	18+683.18	764550.8914	3951217.4182	18+665.72	764551.5029	3951199.9759	18+700.50	764546.6754	3951234.3544	166.46	34.78	17.453	11.9710	N7° 59' 35.72"W
C545	18+717.88	764542.4765	3951251.2218	18+708.95	764544.6339	3951242.5556	18+726.69	764542.8395	3951260.1452	62.33	17.74	8.931	16.3079	N5° 49' 29.24"W
C546	18+745.14	764543.5892	3951278.5767	18+728.92	764542.9298	3951262.3663	18+760.24	764553.8448	3951291.1478	48.66	31.32	16.224	36.8789	N20° 46' 07.10"E
C547	18+775.31	764563.3713	3951302.8249	18+764.33	764556.4309	3951294.3177	18+785.92	764565.9842	3951313.4886	48.64	21.60	10.979	25.4399	N26° 29' 17.32"E
C548	18+865.99	764585.0389	3951391.2516	18+859.09	764583.3968	3951384.5501	18+872.89	764586.8196	3951397.9176	665.50	13.80	6.900	1.1880	N14° 21' 43.88"E
C549	18+931.09	764601.8410	3951454.1504	18+924.39	764600.1101	3951447.6708	18+937.68	764605.5347	3951459.7485	41.27	13.30	6.707	18.4613	N24° 11' 12.70"E
C550	18+948.90	764611.7125	3951469.1114	18+946.74	764610.5216	3951467.3065	18+951.05	764613.2046	3951470.6755	24.19	4.31	2.162	10.2153	N38° 31' 30.66"E
C551	18+957.91	764617.9374	3951475.6406	18+954.91	764615.8671	3951473.4691	18+960.85	764619.1780	3951478.3723	17.73	5.94	3.000	19.2062	N34° 01' 47.08"E
C552	18+989.96	764631.2145	3951504.8738	18+986.36	764629.7267	3951501.5979	18+993.56	764632.8311	3951508.0880	181.33	7.19	3.598	2.2733	N25° 33' 47.96"E
C553	19+029.09	764648.7988	3951539.8364	19+026.14	764647.4705	3951537.1952	19+032.05	764649.9688	3951542.5513	100.00	5.91	2.956	3.3867	N25° 00' 23.85"E
C554	19+053.26	764658.3612	3951562.0258	19+042.97	764654.2922	3951552.5837	19+063.52	764663.3464	3951571.0179	206.87	20.55	10.282	5.6906	N26° 09' 30.74"E
C555	19+100.19	764681.1280	3951603.0916	19+094.89	764678.5563	3951598.4529	19+105.48	764684.2738	3951607.3616	82.29	10.59	5.304	7.3754	N32° 41' 29.45"E
C556	19+137.87	764703.4832	3951633.4366	19+131.46	764699.6850	3951628.2809	19+144.25	764708.0216	3951637.9544	83.70	12.78	6.404	8.7506	N40° 45' 16.30"E
C557	19+199.07	764746.8714	3951676.6286	19+187.56	764738.7187	3951668.5127	19+209.66	764748.0398	3951688.0728	32.22	22.10	11.504	39.3006	N25° 28' 46.35"E
C558	19+235.69	764750.6833	3951713.9661	19+229.86	764750.0914	3951708.1687	19+241.37	764753.3994	3951719.1220	30.05	11.51	5.828	21.9508	N16° 48' 16.76"E
C559	19+255.41	764761.3422	3951734.1996	19+255.38	764759.9271	3951731.5133	19+261.41	764761.9266	3951737.1786	20.76	6.03	3.036	16.6439	N19° 27' 29.33"E
C560	19+265.57	764762.7327	3951741.2635	19+262.39	764762.1190	3951738.1456	19+268.70	764764.2410	3951744.0605	21.01	6.31	3.178	17.1993	N19° 44' 09.18"E
C561	19+285.51	764772.2170	3951758.8516	19+278.27	764768.7823	3951752.4821	19+292.66	764777.1465	3951764.1495	56.48	14.39	7.237	14.6015	N35° 38' 10.66"E
C562	19+300.68	764782.6084	3951770.0196	19+298.52	764781.1371	3951768.4383	19+302.84	764784.2058	3951771.4735	52.02	4.32	2.160	4.7554	N45° 18' 53.01"E
C563	19+339.08	764811.0062	3951795.8665	19+334.63	764807.7200	3951792.8755	19+341.60	764807.9959	3951799.1350	4.42	6.96	4.444	90.3378	N2° 31' 24.71"E
C564	19+379.39	764782.3952	3951826.9313	19+373.56	764786.3431	3951822.6448	19+383.35	764785.7750	3951831.6786	7.18	9.79	5.827	78.0941	N3° 35' 53.88"W
C565	19+426.46	764810.7758	3951866.7948	19+416.33	764804.8988	3951858.5399	19+436.49	764814.4521	3951876.2376	81.49	20.16	10.133	14.1766	N28° 21' 37.58"E
C566	19+443.73	764817.0792	3951882.9856	19+438.34	764815.1243	3951877.9641	19+448.93	764821.0692	3951886.6075	22.89	10.58	5.389	26.4961	N34° 31' 12.58"E
C567	19+471.52	764837.7945	3951901.7900	19+462.12	764830.8376	3951895.4749	19+479.87	764837.9997	3951911.1834	21.86	17.75	9.396	46.5162	N24° 30' 36.27"E
C568	19+488.28	764838.1834	3951919.5891	19+483.46	764838.0781	3951914.7702	19+492.96	764840.1938	3951923.9698	23.28	9.51	4.820	23.3983	N12° 57' 03.93"E
C569	19+517.91	764850.5985	3951946.6431	19+511.57	764847.9559	3951940.8847	19+524.17	764851.6723	3951952.8873	48.48	12.60	6.336	14.8923	N17° 12' 14.64"E
C570	19+552.26	764856.4324	3951980.5668	19+541.65	764854.6343	3951970.1109	19+562.71	764861.2515	3951990.0184	69.91	21.06	10.609	17.2578	N18° 23' 12.53"E
C571	19+625.80	764889.9106	3952046.2270	19+620.28	764887.4051	3952041.3129	19+631.31	764892.6832	3952050.9954	200.00	11.03	5.516	3.1596	N28° 35' 43.86"E
C572	19+675.05	764914.6691	3952088.8085	19+667.46	764910.8529	3952082.2450	19+682.63	764919.2404	3952094.8704	126.96	15.17	7.592	6.8444	N33° 35' 51.09"E
C573	19+695.67	764927.0902	3952105.2800	19+688.67	764922.8771	3952099.6930	19+702.66	764930.9011	3952111.1488	199.29	13.99	6.997	4.0219	N35° 00' 31.63"E
C574	19+763.54	764964.0601	3952162.2133	19+761.40	764962.8926	3952160.4154	19+765.69	764965.2644	3952163.9867	207.81	4.29	2.144	1.1821	N33° 35' 19.97"E
C575	19+778.37	764972.3874	3952174.4758	19+772.03	764968.8263	3952169.2319	19+784.64	764974.5272	3952180.4424	50.00	12.61	6.339	14.4501	N26° 57' 17.47"E
C576	19+808.92	764982.7265	3952203.3046	19+797.56	764978.8910	3952192.6101	19+820.05	764990.0124	3952212.0223	63.92	22.49	11.361	20.1577	N29° 48' 31.04"E
C577	19+839.46	765002.4576	3952226.9133	19+829.51	764996.0751	3952219.2765	19+849.33	765010.3646	3952232.9578	89.32	19.82	9.953	12.7168	N46° 14' 45.10"E

Project Director (PIU)
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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING	REV 0	DATE AUG. 2024.	DESCRIPTION TENDER DRAWINGS	NAMES: G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 SHESHA TO MADALCASHT	SCALE: N.T.S. DATE: AUG.	SHEET CONTENT: HORIZONTAL CURVE DATA
		1							
		2							

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
C582	20+023.12	765115.2649	3952387.2883	20+015.02	765112.7914	3952379.5763	20+031.19	765118.8210	3952394.5648	112.14	16.17	8.099	8.2619	N21° 54' 50.65"E
C583	20+070.65	765136.1479	3952430.0195	20+062.88	765132.7357	3952423.0373	20+078.42	765139.9106	3952436.8193	305.66	15.54	7.771	2.9129	N27° 30' 05.23"E
C584	20+124.58	765162.2630	3952477.2142	20+122.30	765161.1593	3952475.2195	20+126.86	765163.6552	3952479.0196	30.04	4.55	2.280	8.6785	N33° 17' 49.85"E
C585	20+137.87	765170.3790	3952487.7392	20+131.31	765166.3734	3952482.5446	20+144.12	765171.2399	3952494.2422	24.40	12.82	6.560	30.0954	N22° 35' 19.53"E
C586	20+161.88	765173.5707	3952511.8484	20+156.67	765172.8864	3952506.6792	20+166.97	765176.1287	3952516.3920	27.03	10.30	5.214	21.8386	N18° 27' 37.31"E
C587	20+222.18	765203.2151	3952564.5025	20+215.40	765199.8870	3952558.5911	20+228.94	765205.5875	3952570.8579	87.07	13.54	6.784	8.9101	N24° 55' 28.54"E
C588	20+249.64	765212.8280	3952590.2550	20+243.30	765210.6101	3952584.3133	20+255.98	765215.3847	3952596.0590	219.84	12.68	6.342	3.3049	N22° 07' 19.18"E
C589	20+269.44	765220.8099	3952608.3744	20+264.84	765218.9574	3952604.1690	20+274.00	765221.6778	3952612.8870	40.68	9.15	4.595	12.8884	N17° 19' 48.95"E
C590	20+295.95	765225.8249	3952634.4509	20+286.56	765224.0508	3952625.2263	20+305.31	765228.9779	3952643.2996	123.11	18.75	9.394	8.7265	N15° 14' 57.42"E
C591	20+325.02	765235.5917	3952661.8605	20+317.19	765232.9635	3952654.4847	20+332.63	765240.8979	3952667.6185	38.40	15.45	7.830	23.0490	N31° 08' 13.15"E
C592	20+345.05	765249.3086	3952676.7453	20+338.80	765245.0743	3952672.1504	20+350.77	765249.5378	3952682.9895	16.91	11.97	6.248	40.5590	N22° 22' 55.09"E
C593	20+362.78	765249.9785	3952694.9951	20+356.09	765249.7331	3952688.3086	20+369.32	765252.5919	3952701.1547	36.30	13.23	6.691	20.8879	N12° 32' 47.16"E
C594	20+428.48	765275.6985	3952755.6157	20+422.36	765273.3076	3952749.9805	20+434.56	765279.1558	3952760.6674	61.34	12.20	6.121	11.3974	N28° 41' 20.73"E
C595	20+477.93	765303.6505	3952796.4574	20+470.53	765299.4714	3952790.3511	20+485.12	765305.0070	3952803.7314	35.08	14.59	7.399	23.8247	N22° 28' 31.52"E
C596	20+503.07	765308.2972	3952821.3756	20+493.52	765306.5468	3952811.9887	20+512.22	765314.3336	3952828.7741	37.40	18.70	9.549	28.6478	N24° 53' 13.04"E
C597	20+528.68	765324.7433	3952841.5326	20+522.68	765320.9481	3952836.6811	20+534.44	765325.8624	3952847.4307	23.67	11.76	6.003	28.4669	N24° 58' 38.69"E
C598	20+543.19	765327.4929	3952856.0238	20+536.52	765326.2512	3952849.4795	20+549.76	765330.4714	3952861.9818	47.95	13.24	6.661	15.8170	N18° 39' 08.90"E
C599	20+579.91	765343.9533	3952866.9503	20+576.19	765342.2879	3952885.6190	20+583.62	765344.9808	3952892.5301	40.36	7.43	3.724	10.5454	N21° 17' 17.84"E
C600	20+594.47	765347.9749	3952902.9610	20+590.76	765346.9526	3952899.3995	20+598.16	765349.5820	3952906.2997	43.72	7.39	3.705	9.6883	N20° 51' 35.13"E
C601	20+627.64	765362.3701	3952932.8669	20+621.87	765359.8655	3952927.6636	20+633.32	765363.1844	3952938.5840	37.31	11.46	5.775	17.5977	N16° 54' 18.18"E
C602	20+640.26	765364.1630	3952945.4541	20+636.71	765363.6625	3952941.9407	20+643.80	765365.1960	3952948.8493	46.04	7.08	3.549	8.8164	N12° 30' 51.82"E
C603	20+656.74	765368.9642	3952961.2344	20+651.88	765367.5483	3952956.5808	20+661.58	765369.4693	3952966.0723	50.69	9.70	4.864	10.9616	N11° 26' 30.42"E
C604	20+748.64	765378.5103	3953052.6586	20+737.89	765377.3939	3953041.9672	20+759.33	765381.5136	3953062.9801	119.71	21.44	10.750	10.2626	N11° 05' 32.15"E
C605	20+774.51	765385.7561	3953077.5607	20+768.84	765384.1711	3953072.1132	20+780.16	765386.3569	3953083.2022	63.92	11.32	5.673	10.1450	N11° 09' 03.75"E
C606	20+811.18	765389.6423	3953114.0537	20+807.04	765389.2038	3953109.9361	20+815.32	765389.9099	3953118.1860	200.00	8.28	4.141	2.3722	N4° 53' 32.64"E
C607	20+835.84	765391.2363	3953138.6614	20+829.75	765390.8429	3953132.5882	20+841.89	765392.6979	3953144.5692	68.26	12.14	6.086	10.1899	N8° 48' 04.37"E
C608	20+897.76	765406.1143	3953198.7981	20+884.80	765403.0015	3953186.2163	20+910.49	765413.0567	3953209.7431	79.62	25.70	12.961	18.4907	N23° 08' 29.35"E
C609	20+932.33	765424.7528	3953228.1826	20+925.13	765420.8974	3953222.1043	20+939.33	765425.8644	3953235.2943	34.60	14.19	7.196	23.5031	N20° 38' 06.89"E
C610	21+008.00	765436.4705	3953303.1496	20+997.95	765434.9182	3953293.2182	21+017.83	765441.4987	3953311.8536	53.89	19.88	10.052	21.1307	N19° 26' 56.54"E
C611	21+028.52	765446.8481	3953321.1138	21+023.94	765444.5542	3953317.1428	21+033.08	765449.8262	3953324.6012	50.00	9.15	4.586	10.4808	N35° 15' 17.36"E
C612	21+064.33	765470.1159	3953348.3614	21+059.58	765467.0310	3953344.7489	21+069.05	765472.4652	3953352.4901	50.00	9.47	4.750	10.8545	N35° 04' 04.82"E
C613	21+101.10	765488.3144	3953380.3436	21+091.59	765483.6121	3953372.0798	21+110.58	765491.9311	3953389.1369	149.40	18.99	9.508	7.2832	N25° 59' 57.09"E
C614	21+120.94	765495.8707	3953396.7152	21+118.07	765494.7823	3953396.0690	21+123.80	765497.1087	3953401.2949	100.00	5.72	2.861	3.2779	N23° 59' 47.68"E
C615	21+152.59	765509.5676	3953427.2573	21+142.38	765505.1490	3953418.0496	21+162.74	765512.0336	3953437.1681	100.00	20.36	10.213	11.6628	N19° 48' 14.96"E
C616	21+180.22	765516.2545	3953454.1316	21+170.48	765513.9041	3953444.6856	21+189.78	765515.4977	3953463.8363	59.99	19.30	9.734	18.4322	N4° 45' 24.06"E
C617	21+201.61	765514.5784	3953475.6237	21+197.95	765514.8629	3953471.9764	21+205.24	765515.0810	3953479.2475	33.80	7.29	3.658	12.3554	N1° 43' 05.93"E
C618	21+238.86	765519.7001	3953512.5530	21+232.05	765518.7642	3953505.8046	21+245.52	765518.1771	3953519.1935	37.10	13.48	6.813	20.8138	N2° 30' 39.10"W
C619	21+312.62	765503.1775	3953584.5921	21+299.77	765506.0506	3953572.0654	21+325.41	765498.3208	3953596.4912	158.26	25.65	12.852	9.2852	N17° 33' 37.28"W
C620	21+358.43	765485.8460	3953627.0553	21+352.20	765485.2001	3953621.2677	21+364.59	765484.9791	3953633.2243	50.00	12.40	6.230	14.2040	N15° 06' 03.56"W
C621	21+376.16	765483.3688	3953644.6840	21+370.92	765484.0986	3953639.4901	21+380.86	765479.1619	3953647.8162	12.56	9.94	5.245	45.3315	N30° 39' 53.13"W

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<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:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		1			DRAWN	MANSOOR DURRANI				
		2			CHECKED	SHAHZAD DURRANI				
										DATE:
										AUG.

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
C622	21+392.33	765469.9562	3953654.6703	21+387.90	765473.5131	3953652.0220	21+395.84	765470.7444	3953659.0344	7.16	7.94	4.435	63.5689	N21° 32' 45.81"W
C623	21+407.53	765472.8217	3953670.5353	21+403.57	765472.1186	3953666.6425	21+411.10	765470.6549	3953673.8448	9.93	7.53	3.956	43.4520	N11° 29' 15.30"W
C624	21+431.02	765459.7416	3953690.5134	21+425.52	765462.7566	3953685.9085	21+436.26	765454.7950	3953692.9273	20.00	10.74	5.504	30.7746	N48° 36' 03.17"W
C625	21+470.37	765424.1426	3953707.8853	21+455.03	765437.9287	3953701.1579	21+482.24	765424.6699	3953723.2161	23.64	27.21	15.340	65.9581	N31° 00' 32.99"W
C626	21+511.50	765425.6756	3953752.4556	21+506.97	765425.5199	3953747.9292	21+516.02	765425.4215	3953756.9776	100.00	9.05	4.529	5.1864	N0° 37' 23.98"W
C627	21+540.30	765424.0593	3953781.2173	21+527.76	765424.7631	3953768.6936	21+552.10	765416.4462	3953791.1862	40.83	24.34	12.543	34.1518	N20° 17' 32.72"W
C628	21+579.40	765399.8732	3953812.8876	21+573.16	765403.6599	3953807.9291	21+585.51	765394.6155	3953816.2464	35.28	12.35	6.239	20.0600	N47° 23' 53.99"W
C629	21+602.83	765380.0237	3953825.5681	21+593.64	765387.7642	3953820.6232	21+611.52	765376.1539	3953833.8983	31.50	17.87	9.185	32.5112	N41° 10' 21.97"W
C630	21+628.87	765368.8423	3953849.6374	21+625.38	765370.3129	3953846.4717	21+632.35	765366.9460	3953852.5681	50.00	6.97	3.491	7.9871	N28° 54' 38.58"W
C631	21+653.47	765355.4742	3953870.2979	21+642.10	765361.6483	3953860.7558	21+664.46	765354.0317	3953881.5713	50.00	22.35	11.365	25.6123	N20° 05' 53.25"W
C632	21+682.74	765351.7107	3953899.7098	21+680.07	765352.0497	3953897.0604	21+685.41	765351.0913	3953902.3079	50.00	5.34	2.671	6.1155	N10° 20' 59.15"W
C633	21+698.41	765348.0771	3953914.9531	21+691.64	765349.6452	3953908.3749	21+705.09	765348.3128	3953921.7116	50.00	13.44	6.763	15.4052	N5° 42' 17.69"W
C634	21+719.48	765348.8145	3953936.0943	21+713.55	765348.6079	3953930.1705	21+725.31	765350.8198	3953941.6723	37.90	11.76	5.927	17.7760	N10° 53' 08.50"E
C635	21+774.48	765367.4523	3953987.9376	21+757.72	765381.7834	3953972.1688	21+790.73	765379.1192	3953999.9659	77.66	33.01	16.757	24.3525	N31° 56' 59.76"E
C636	21+835.67	765410.4106	3954032.2266	21+832.88	765408.4701	3954030.2260	21+838.43	765412.7712	3954033.7083	23.10	5.55	2.787	13.7585	N51° 00' 19.59"E
C637	21+868.15	765437.9433	3954049.5081	21+856.73	765428.2704	3954043.4367	21+878.33	765440.2927	3954060.6843	26.90	21.60	11.420	46.0130	N34° 52' 41.42"E
C638	21+894.96	765443.7144	3954076.9611	21+888.63	765442.4126	3954070.7683	21+901.19	765446.8653	3954082.4489	39.97	12.55	6.328	17.9913	N20° 52' 02.35"E
C639	21+920.59	765456.5287	3954099.2791	21+914.88	765453.6843	3954094.3252	21+926.11	765456.9357	3954104.9771	24.97	11.23	5.712	25.7766	N16° 58' 28.95"E
C640	21+947.56	765458.4644	3954126.3747	21+942.28	765458.0875	3954121.0990	21+952.85	765459.3332	3954131.5921	112.84	10.57	5.289	5.3674	N6° 46' 12.44"E
C641	21+993.08	765465.9420	3954171.2814	21+990.19	765465.4670	3954168.4285	21+995.97	765466.7429	3954174.0605	50.00	5.78	2.892	6.6210	N12° 45' 51.55"E
C642	22+044.69	765480.2338	3954220.8782	22+039.58	765478.8180	3954215.9650	22+049.70	765483.2409	3954225.0134	29.07	10.12	5.113	19.9495	N26° 02' 58.44"E
C643	22+082.08	765502.2829	3954251.1991	22+075.78	765496.5798	3954246.1067	22+088.36	765506.6208	3954255.7628	95.78	12.57	6.296	7.5222	N39° 47' 07.43"E
C644	22+097.94	765513.2227	3954262.7085	22+092.59	765509.5402	3954258.8343	22+103.27	765516.3837	3954267.0187	83.89	10.68	5.345	7.2913	N39° 54' 03.03"E
C645	22+149.22	765543.5560	3954304.0701	22+130.21	765532.3177	3954288.7459	22+167.11	765544.3622	3954323.0564	62.50	36.90	19.003	33.8238	N19° 20' 35.84"E
C646	22+185.60	765545.1467	3954341.5309	22+181.98	765544.9929	3954337.9094	22+189.05	765543.4290	3954344.7227	13.20	7.07	3.625	30.7176	N12° 55' 39.79"W
C647	22+219.03	765529.2243	3954371.1189	22+210.16	765533.4256	3954363.3118	22+227.85	765523.8359	3954378.1593	110.89	17.69	8.866	9.1426	N32° 51' 27.14"W
C648	22+240.97	765515.8672	3954388.5711	22+232.30	765521.1325	3954381.6915	22+249.27	765514.5136	3954397.1280	34.19	16.97	8.663	28.4402	N23° 12' 31.42"W
C649	22+257.95	765513.1572	3954405.7034	22+252.41	765514.0227	3954400.2314	22+263.49	765512.2158	3954411.1628	798.96	11.08	5.540	0.7946	N9° 23' 09.33"W
C650	22+279.10	765509.5643	3954426.5405	22+271.28	765510.8922	3954418.8389	22+286.08	765503.1356	3954430.9845	18.61	14.80	7.815	45.5610	N32° 33' 49.26"W
C651	22+302.25	765489.8368	3954440.1779	22+295.12	765495.6982	3954436.1260	22+308.30	765489.6824	3954447.3018	13.95	13.18	7.126	54.1025	N28° 17' 34.46"W
C652	22+322.43	765489.3762	3954461.4305	22+318.14	765489.4691	3954457.1421	22+326.65	765490.5967	3954465.5427	27.43	8.51	4.289	17.7728	N7° 38' 41.04"E
C653	22+339.78	765494.3317	3954478.1268	22+336.13	765493.2939	3954474.6303	22+343.27	765493.5473	3954481.6888	14.13	7.14	3.647	28.9502	N2° 03' 21.72"E
C654	22+356.93	765490.6098	3954495.0281	22+349.76	765492.1519	3954488.0258	22+364.08	765488.2103	3954501.7848	115.04	14.32	7.170	7.1330	N15° 59' 07.92"W
C655	22+403.29	765475.0889	3954538.7318	22+394.14	765478.1515	3954530.1081	22+411.24	765479.7958	3954546.5799	19.40	17.10	9.151	50.5052	N5° 42' 02.05"E
C656	22+440.72	765494.9584	3954571.8615	22+435.98	765492.5229	3954567.8007	22+445.42	765496.5882	3954576.3073	50.00	9.44	4.735	10.8199	N25° 32' 35.50"E
C657	22+457.79	765500.8442	3954587.9163	22+451.11	765498.5467	3954581.6496	22+464.39	765504.7050	3954593.3610	50.00	13.27	6.675	15.2072	N27° 44' 12.54"E
C658	22+482.36	765515.1028	3954608.0245	22+475.43	765511.0961	3954602.3740	22+489.05	765516.2267	3954614.8596	30.00	13.62	6.927	26.0032	N22° 20' 13.60"E
C659	22+498.13	765517.7001	3954623.8209	22+493.52	765516.9519	3954619.2703	22+502.67	765519.7806	3954627.9367	30.00	9.15	4.612	17.4787	N18° 04' 35.49"E
C660	22+517.79	765526.6023	3954641.4321	22+513.17	765524.5149	3954637.3025	22+522.39	765529.4383	3954645.0882	48.12	9.23	4.627	10.9850	N32° 18' 30.23"E
C661	22+525.17	765533.5913	3954650.4420	22+525.68	765531.4547	3954647.6876	22+532.64	765535.2323	3954653.5174	41.01	6.96	3.486	9.7170	N32° 56' 32.66"E

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



<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	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		1			DRAWN	MANSOOR DURRANI				DATE:	
		2			CHECKED	SHAZAD DURRANI				AUG.	

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
C662	22+566.06	765550.9665	3954683.0048	22+560.32	765548.2641	3954677.9403	22+571.66	765551.6083	3954688.7091	30.00	11.34	5.740	21.6646	N17° 15' 05.80"E
C663	22+598.94	765554.6580	3954715.8153	22+592.93	765553.9858	3954709.8411	22+604.90	765556.6990	3954721.4701	51.07	11.97	6.012	13.4268	N13° 07' 57.80"E
C664	22+646.01	765570.6564	3954760.1406	22+638.14	765567.9834	3954752.7349	22+653.75	765570.9241	3954768.0094	50.00	15.62	7.873	17.8974	N10° 53' 50.71"E
C665	22+666.26	765571.3495	3954780.5127	22+663.36	765571.2508	3954777.6105	22+669.13	765572.2696	3954783.2671	20.00	5.77	2.904	16.5229	N10° 12' 36.54"E
C666	22+690.25	765578.9612	3954803.2993	22+684.92	765577.2734	3954798.2466	22+695.47	765582.2855	3954807.4620	30.00	10.54	5.327	20.1384	N28° 32' 26.87"E
C667	22+710.11	765591.4251	3954818.9069	22+705.83	765588.7509	3954815.5583	22+714.34	765593.0547	3954822.8704	30.00	8.51	4.285	16.2590	N30° 28' 49.74"E
C668	22+726.06	765597.5100	3954833.7059	22+720.84	765595.5275	3954828.8843	22+731.17	765601.0029	3954837.5761	30.00	10.32	5.213	19.7166	N32° 12' 33.30"E
C669	22+751.85	765614.7257	3954852.7806	22+741.88	765608.1846	3954845.5332	22+760.76	765615.7487	3954862.4896	30.00	18.88	9.763	36.0524	N24° 02' 28.72"E
C670	22+772.49	765616.9780	3954874.1558	22+768.00	765616.5075	3954869.6904	22+776.96	765618.1285	3954878.4961	58.14	8.96	4.490	8.8320	N10° 25' 51.93"E
C671	22+785.78	765620.3874	3954887.0172	22+782.38	765619.5164	3954883.7315	22+789.12	765620.1865	3954890.4105	21.18	6.74	3.399	18.2334	N5° 43' 49.50"E
C672	22+821.45	765618.2769	3954922.6849	22+815.77	765618.6125	3954917.0142	22+827.06	765616.3935	3954928.0442	40.48	11.29	5.681	15.9765	N11° 22' 28.25"W
C673	22+836.29	765613.3338	3954936.7508	22+832.56	765614.5704	3954933.2321	22+839.71	765610.1157	3954938.6361	10.17	7.15	3.730	40.2744	N39° 29' 59.85"W
C674	22+865.00	765588.2935	3954951.4201	22+860.27	765592.3723	3954949.0306	22+868.63	765588.8953	3954956.1088	7.15	8.35	4.727	66.9507	N26° 09' 42.58"W
C675	22+900.12	765592.9041	3954987.3445	22+888.16	765591.3817	3954975.4822	22+909.68	765604.1099	3954991.5235	19.81	21.52	11.960	62.2342	N38° 25' 50.21"E
C676	22+921.22	765614.9274	3954995.5577	22+916.68	765610.6743	3954993.9716	22+925.61	765619.4484	3954995.1525	20.00	8.93	4.539	25.5743	N82° 20' 05.49"E
C677	22+944.63	765658.3947	3954993.4542	22+938.93	765632.7188	3954993.9630	22+949.88	765643.1127	3954996.6512	15.98	10.95	5.699	39.2472	N75° 29' 54.21"E
C678	22+974.18	765663.2241	3955010.2809	22+967.75	765657.9012	3955006.6736	22+980.45	765669.5138	3955011.6168	32.87	12.70	6.430	22.1347	N66° 56' 31.73"E
C679	23+011.66	765700.0498	3955018.1021	23+004.11	765692.6601	3955016.5326	23+018.64	765704.8246	3955023.9563	21.45	14.53	7.555	38.8083	N58° 36' 19.26"E
C680	23+041.86	765719.5039	3955041.9542	23+029.81	765711.8859	3955032.6140	23+053.90	765727.8021	3955050.6956	320.38	24.09	12.053	4.3089	N41° 21' 20.40"E
C681	23+096.05	765756.8180	3955081.2610	23+084.40	765748.7972	3955072.8120	23+106.54	765768.4578	3955081.7437	28.75	22.14	11.650	44.1154	N65° 34' 04.12"E
C682	23+115.17	765777.0881	3955082.1016	23+108.40	765770.3252	3955081.8211	23+121.44	765782.2348	3955086.4977	19.59	13.03	6.769	38.1278	N68° 33' 41.70"E
C683	23+168.66	765818.1409	3955117.1669	23+165.10	765815.4351	3955114.8557	23+172.22	765820.8359	3955119.4308	1513.25	7.12	3.559	0.2695	N49° 21' 46.60"E
C684	23+192.21	765835.9761	3955132.5465	23+185.72	765831.0630	3955128.3098	23+198.57	765842.0344	3955134.8673	37.15	12.85	6.488	19.8109	N59° 08' 01.09"E
C685	23+246.05	765866.3709	3955151.8519	23+239.34	765860.1034	3955149.4509	23+252.74	765892.2900	3955155.0157	107.22	13.41	6.712	7.1638	N65° 27' 25.84"E
C686	23+303.93	765937.4321	3955179.1443	23+299.98	765933.9478	3955177.2820	23+307.86	765940.5806	3955181.5307	50.00	7.89	3.951	9.0356	N57° 21' 26.96"E
C687	23+349.59	765973.8365	3955206.7370	23+333.25	765960.8138	3955196.8665	23+365.17	765980.1197	3955221.8214	60.51	31.92	16.341	30.2260	N37° 43' 36.12"E
C688	23+371.79	765982.6665	3955227.9354	23+369.93	765981.9503	3955226.2161	23+373.61	765983.9536	3955229.2816	10.00	3.68	1.862	21.1007	N33° 09' 50.55"E
C689	23+383.45	765990.7503	3955236.3904	23+380.51	765988.7167	3955234.2634	23+386.25	765991.4054	3955239.2592	10.66	5.74	2.943	30.8508	N28° 17' 20.25"E
C690	23+398.90	765994.2229	3955251.5970	23+391.70	765992.6194	3955244.5753	23+405.83	765998.8831	3955257.0887	29.49	14.13	7.202	27.4543	N28° 35' 26.50"E
C691	23+469.74	766040.2371	3955305.8209	23+463.93	766036.4755	3955301.3881	23+475.55	766044.4308	3955309.8474	113.84	11.62	5.814	5.8469	N43° 14' 28.67"E
C692	23+495.10	766058.5348	3955323.3893	23+485.13	766051.3432	3955316.4844	23+504.90	766067.5141	3955327.7216	62.67	19.77	9.970	18.0793	N55° 12' 15.91"E
C693	23+518.44	766079.7099	3955333.6057	23+512.29	766074.1710	3955330.9333	23+524.43	766083.7506	3955338.2418	30.00	12.13	6.150	23.1698	N52° 39' 33.09"E
C694	23+535.48	766091.0136	3955346.5752	23+531.36	766088.3085	3955343.4714	23+539.53	766094.5206	3955348.7323	27.02	8.17	4.117	17.3303	N49° 44' 21.97"E
C695	23+571.59	766121.8223	3955365.5254	23+556.77	766109.2034	3955357.7636	23+586.29	766135.7801	3955370.4914	140.83	29.52	14.815	12.0105	N64° 24' 35.38"E
C696	23+608.13	766156.3542	3955377.8114	23+601.28	766149.9024	3955375.5159	23+614.93	766162.1620	3955381.4396	62.99	13.64	6.848	12.4088	N64° 12' 38.45"E
C697	23+625.54	766171.1608	3955387.0614	23+617.86	766164.6508	3955382.9944	23+632.52	766178.7202	3955385.7285	20.00	14.66	7.676	41.9934	N75° 00' 10.75"E
C698	23+645.23	766191.2371	3955383.5215	23+638.13	766184.2449	3955384.7544	23+651.86	766197.6266	3955386.6174	21.95	13.73	7.100	35.8511	N62° 04' 26.95"E
C699	23+675.29	766218.7089	3955396.8323	23+667.29	766211.5073	3955393.3429	23+683.28	766225.5455	3955400.9913	167.74	15.99	8.002	5.4627	N61° 25' 02.21"E
C700	23+728.52	766262.4856	3955423.4636	23+706.84	766245.6775	3955413.2385	23+745.48	766272.9042	3955440.1524	82.87	38.63	19.674	26.7099	N45° 19' 51.63"E
C701	23+800.51	766302.0460	3955486.8325	23+794.54	766298.8843	3955481.7680	23+806.42	766303.9126	3955492.5037	49.49	11.88	5.970	13.7583	N25° 05' 48.99"E

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

<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:	ROAD NAME:	SCALE:	SHEET CONTENT:
		a	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	MANSOOR DURRANI				
c			CHECKED	SHAHZAD DURRANI						




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
C702	23+837.92	766313.7590	3955522.4205	23+834.02	766312.5421	3955518.7231	23+841.73	766316.1255	3955525.5110	22.98	7.71	3.892	19.2241	N27° 49' 47.43"E
C703	23+861.85	766328.2358	3955541.3267	23+853.09	766323.0321	3955534.5308	23+869.99	766330.4471	3955549.5955	43.09	16.90	8.559	22.4701	N26° 12' 24.56"E
C704	23+891.52	766336.0078	3955570.3896	23+885.37	766334.4187	3955564.4470	23+897.64	766336.6480	3955576.5075	78.18	12.28	6.151	8.9983	N10° 28' 21.39"E
C705	23+919.25	766338.8968	3955597.9992	23+910.06	766337.9399	3955588.8538	23+928.25	766343.0449	3955606.2058	50.00	18.19	9.195	20.8413	N16° 23' 38.81"E
C706	23+950.41	766353.0453	3955625.9905	23+937.47	766347.2078	3955614.4416	23+963.01	766362.9252	3955634.3475	63.72	25.53	12.940	22.9589	N38° 17' 39.22"E
C707	23+974.65	766371.8163	3955641.8680	23+969.82	766368.1271	3955638.7475	23+979.43	766374.5871	3955645.8265	37.25	9.61	4.832	14.7831	N42° 22' 55.55"E
C708	24+053.53	766417.0799	3955706.5339	24+030.81	766404.0475	3955687.9151	24+076.14	766426.6720	3955727.1371	259.10	45.34	22.727	10.0254	N29° 58' 40.10"E
C709	24+149.39	766457.5890	3955793.5445	24+139.63	766453.4689	3955784.6948	24+159.15	766461.3217	3955802.5644	450.19	19.52	9.762	2.4844	N23° 43' 22.42"E
C710	24+224.08	766486.1473	3955862.5560	24+203.53	766478.2906	3955843.5701	24+243.94	766501.4226	3955876.2984	90.65	40.41	20.547	25.5431	N35° 15' 08.17"E
C711	24+258.74	766512.4236	3955886.1954	24+252.44	766507.7433	3955881.9848	24+264.94	766515.6420	3955891.6061	41.44	12.50	6.296	17.2781	N39° 23' 05.14"E
C712	24+278.14	766522.3912	3955902.9524	24+274.20	766520.3741	3955899.5614	24+281.96	766522.8050	3955906.8762	18.00	7.77	3.946	24.7251	N18° 22' 59.23"E
C713	24+301.01	766524.8025	3955925.8155	24+290.57	766523.7080	3955915.4378	24+310.95	766530.9968	3955934.2135	38.42	20.38	10.435	30.3916	N21° 12' 58.87"E
C714	24+339.71	766548.0677	3955957.3576	24+334.11	766544.7430	3955952.8501	24+345.18	766549.5089	3955962.7700	29.50	11.07	5.601	21.5013	N25° 39' 41.34"E
C715	24+407.83	766565.6288	3956023.3070	24+388.25	766560.5907	3956004.3869	24+426.97	766577.1013	3956039.1731	105.85	38.72	19.579	20.9593	N25° 23' 25.70"E
C716	24+480.27	766608.3302	3956082.3615	24+461.65	766597.4230	3956067.2772	24+498.14	766625.0337	3956090.5773	74.83	36.49	18.615	27.9391	N49° 50' 22.80"E
C717	24+519.90	766644.5613	3956100.1822	24+516.56	766641.5596	3956098.7058	24+523.22	766647.1641	3956102.2836	30.00	6.66	3.345	12.7249	N57° 26' 48.25"E
C718	24+543.73	766663.1242	3956115.1690	24+537.35	766658.1603	3956111.1614	24+550.09	766668.6442	3956118.3674	82.66	12.73	6.380	6.8264	N55° 29' 50.86"E
C719	24+566.00	766682.4122	3956126.3450	24+555.65	766673.4550	3956121.1550	24+576.26	766689.9815	3956133.4071	91.39	20.62	10.352	12.9249	N53° 26' 53.49"E
C720	24+596.12	766704.4995	3956146.9521	24+590.73	766700.5614	3956143.2779	24+601.50	766708.6685	3956150.3621	165.26	10.77	5.386	3.7332	N48° 51' 08.37"E
C721	24+611.83	766716.6652	3956156.9029	24+606.79	766712.7668	3956153.7142	24+616.77	766719.3086	3956161.1897	30.00	9.98	5.036	19.0595	N41° 11' 20.96"E
C722	24+649.71	766736.5953	3956189.2237	24+645.16	766734.2054	3956185.3481	24+654.14	766737.2931	3956193.7232	22.54	8.99	4.553	22.8439	N20° 14' 14.79"E
C723	24+681.66	766741.5098	3956220.9126	24+674.61	766740.4298	3956213.9486	24+688.45	766745.5775	3956226.6673	30.00	13.84	7.047	26.4391	N22° 02' 06.22"E
C724	24+700.54	766752.5558	3956236.5397	24+697.30	766750.6865	3956233.8952	24+703.76	766753.8176	3956239.5222	30.00	6.45	3.238	12.3223	N29° 05' 36.56"E
C725	24+785.69	766777.9506	3956296.5631	24+758.15	766775.0107	3956289.6143	24+773.13	766778.8021	3956304.0601	52.19	14.99	7.545	16.4528	N14° 42' 21.39"E
C726	24+806.60	766782.5793	3956337.3177	24+801.63	766782.0182	3956332.3770	24+811.56	766783.8541	3956342.1239	67.91	9.93	4.972	8.3759	N10° 40' 02.96"E
C727	24+819.50	766785.8911	3956349.8034	24+814.76	766784.6736	3956345.2135	24+824.21	766786.0091	3956354.5506	40.33	9.45	4.749	13.4312	N8° 08' 23.57"E
C728	24+850.07	766786.6520	3956380.4060	24+844.01	766786.5013	3956374.3453	24+856.12	766786.0786	3956386.4415	101.29	12.11	6.063	6.8508	N2° 00' 03.97"W
C729	24+898.05	766782.1130	3956428.1875	24+867.78	766783.0843	3956417.9629	24+908.23	766783.5870	3956438.3518	85.64	20.44	10.271	13.6776	N1° 24' 44.24"E
C730	24+928.20	766786.4528	3956458.1146	24+916.75	766784.8100	3956446.7861	24+938.62	766795.2244	3956465.4693	30.00	21.87	11.447	41.7703	N29° 08' 10.42"E
C731	24+971.81	766820.6550	3956486.7919	24+966.35	766816.4718	3956483.2844	24+977.15	766823.3344	3956491.5481	30.00	10.80	5.459	20.6264	N39° 42' 29.46"E
C732	25+019.57	766844.1567	3956528.5092	25+003.10	766836.0744	3956514.1625	25+035.87	766855.4994	3956540.4464	132.75	32.77	16.467	14.1422	N36° 27' 58.01"E
C733	25+048.80	766864.4030	3956549.8166	25+040.29	766858.5444	3956543.6510	25+057.14	766871.9707	3956553.6984	50.00	16.85	8.505	19.3076	N53° 11' 27.64"E
C734	25+072.68	766885.7950	3956560.7895	25+064.92	766878.8903	3956557.2477	25+080.42	766893.0223	3956563.6152	153.16	15.51	7.760	5.8008	N65° 44' 42.77"E
C735	25+096.33	766907.8362	3956569.4071	25+089.27	766901.2644	3956566.8377	25+103.38	766914.5756	3956571.4975	196.09	14.11	7.056	4.1217	N70° 42' 23.27"E
C736	25+127.43	766937.5455	3956578.6222	25+125.30	766935.5130	3956577.9918	25+129.56	766939.5694	3956579.2799	317.16	4.26	2.128	0.7689	N72° 22' 58.32"E
C737	25+160.87	766969.3485	3956588.9566	25+155.81	766964.5356	3956587.3927	25+165.93	766974.2344	3956590.2752	200.00	10.12	5.061	2.8969	N73° 26' 52.43"E
C738	25+195.09	767002.3904	3956597.8736	25+188.59	766996.1149	3956596.1801	25+201.59	767008.7626	3956599.1561	200.00	13.00	6.500	3.7229	N75° 45' 31.73"E
C739	25+235.80	767042.3073	3956605.9076	25+232.83	767039.3930	3956605.3211	25+238.76	767045.0498	3956607.0547	30.00	5.93	2.973	11.3180	N72° 57' 40.62"E
C740	25+263.14	767067.5483	3956616.4650	25+260.36	767064.9793	3956615.3904	25+265.91	767069.8757	3956617.9940	30.00	5.55	2.785	10.6063	N61° 59' 56.89"E
C741	25+287.58	767087.9875	3956629.8930	25+284.02	767085.0061	3956627.9343	25+291.12	767091.3450	3956631.0980	30.00	7.10	3.567	13.5620	N63° 28' 37.12"E


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





CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT:  MINCONSULT SDN BHD (COMPANY NO. 58935-P) J.V.  CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		1			DRAWN	MANSOOR DURRANI			DATE:	
2			CHECKED	SHAHZAD DURRANI	AUG.					

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
C742	25+302.91	767102.4434	3956635.0810	25+298.43	767098.2281	3956633.5682	25+307.32	767106.0331	3956637.7589	30.00	8.89	4.479	16.9815	N61° 46' 02.06"E
C743	25+317.66	767114.3171	3956643.9389	25+311.74	767109.5733	3956640.4000	25+322.63	767119.9114	3956642.0074	11.18	10.89	5.918	55.7712	N81° 09' 43.59"E
C744	25+329.65	767126.5543	3956639.7139	25+325.45	767122.5847	3956641.0844	25+333.73	767130.7399	3956640.0557	20.00	8.28	4.200	23.7168	S82° 48' 38.48"E
C745	25+362.41	767159.3233	3956642.3902	25+350.96	767147.9061	3956641.4577	25+373.69	767170.5019	3956639.8877	75.35	22.74	11.455	17.2876	S86° 01' 31.12"E
C746	25+399.74	767195.9229	3956634.1968	25+394.23	767190.5424	3956635.4013	25+405.14	767201.3800	3956634.9842	30.00	10.91	5.514	20.8281	S87° 47' 44.08"E
C747	25+417.99	767214.1021	3956636.8196	25+411.06	767207.2472	3956635.8306	25+424.68	767220.6968	3956634.7036	30.00	13.61	6.926	25.9994	S85° 12' 35.76"E
C748	25+455.04	767249.6049	3956625.4279	25+448.17	767243.0675	3956627.5256	25+461.31	767255.9137	3956628.1368	18.35	13.14	6.866	41.0274	N87° 16' 33.77"E
C749	25+471.43	767265.2112	3956632.1289	25+464.27	767258.6340	3956629.3048	25+478.02	767272.0866	3956630.1384	20.00	13.75	7.158	39.3835	N86° 27' 14.69"E
C750	25+493.39	767286.8511	3956625.8641	25+486.52	767280.2567	3956627.7732	25+500.04	767292.0423	3956621.3716	31.32	13.52	6.865	24.7269	S61° 29' 26.54"E
C751	25+525.98	767311.6577	3956604.3965	25+510.51	767299.9594	3956614.5202	25+539.06	767326.6757	3956608.1117	29.87	28.55	15.471	54.7678	S76° 30' 40.18"E
C752	25+558.05	767345.1082	3956612.6717	25+553.39	767340.5887	3956611.5536	25+562.68	767349.7565	3956612.9374	50.08	9.28	4.656	10.6226	N81° 24' 58.34"E
C753	25+576.68	767363.7371	3956613.7368	25+569.55	767356.6181	3956613.3298	25+582.51	767367.0032	3956620.0755	12.48	12.96	7.131	59.4672	N56° 59' 37.98"E
C754	25+601.28	767375.6005	3956636.7608	25+594.35	767372.4294	3956630.6065	25+606.12	767382.3436	3956635.1920	8.89	11.76	6.923	75.8373	N65° 10' 44.16"E
C755	25+630.09	767405.6933	3956629.7594	25+624.92	767400.6567	3956630.9312	25+635.04	767409.5307	3956626.2931	20.00	10.12	5.171	28.9936	S62° 24' 20.26"E
C756	25+656.09	767425.1528	3956612.1818	25+650.69	767421.1425	3956615.8043	25+661.46	767429.8287	3956609.4722	51.42	10.77	5.404	12.0000	S53° 54' 31.85"E
C757	25+688.46	767453.1975	3956595.9306	25+679.03	767445.0305	3956600.6632	25+697.32	767462.6031	3956596.7271	30.00	18.29	9.439	34.9314	S77° 22' 28.29"E
C758	25+719.22	767484.4272	3956598.5751	25+713.05	767478.2789	3956598.0545	25+725.13	767490.0758	3956596.0921	24.23	12.08	6.170	28.5697	S80° 33' 19.22"E
C759	25+741.74	767505.2784	3956589.4092	25+736.58	767500.5584	3956591.4841	25+746.83	767510.3778	3956588.6483	38.53	10.25	5.156	15.2426	S73° 53' 30.44"E
C760	25+752.47	767515.9521	3956587.8166	25+749.61	767513.1249	3956588.2384	25+755.25	767518.3691	3956586.2905	13.58	5.63	2.858	23.7810	S69° 37' 21.29"E
C761	25+771.18	767531.8394	3956577.7855	25+763.20	767525.0989	3956582.0414	25+777.42	767530.8886	3956569.8707	12.61	14.22	7.972	64.5821	S25° 26' 27.56"E
C762	25+797.79	767528.4597	3956549.6524	25+786.89	767529.7588	3956560.4664	25+802.91	767539.3397	3956550.1571	9.22	16.01	10.892	99.5060	S42° 54' 10.58"E
C763	25+820.83	767557.2443	3956550.9877	25+815.38	767551.8020	3956550.7352	25+826.21	767562.4148	3956552.7048	39.48	10.83	5.448	15.7153	N79° 29' 10.94"E
C764	25+843.02	767578.3698	3956558.0035	25+834.89	767570.6561	3956555.4418	25+851.07	767586.4737	3956558.6281	66.37	16.18	8.128	13.9635	N78° 36' 37.68"E
C765	25+876.46	767611.7849	3956560.5792	25+871.16	767606.5029	3956560.1720	25+881.74	767617.0817	3956560.4824	111.21	10.59	5.298	5.4548	N88° 19' 10.59"E
C766	25+909.98	767645.3142	3956559.9664	25+889.69	767625.0268	3956560.3372	25+928.22	767660.0623	3956573.9023	49.69	38.53	20.291	44.4251	N68° 50' 03.92"E
C767	25+969.01	767689.7117	3956601.9189	25+961.45	767684.2180	3956596.7278	25+976.26	767697.0091	3956603.8874	30.00	14.81	7.558	28.2819	N60° 45' 46.18"E
C768	26+014.91	767734.3195	3956613.9519	26+008.19	767727.8392	3956612.2038	26+021.08	767738.2029	3956619.4263	18.67	12.89	6.712	39.5531	N55° 07' 38.09"E
C769	26+034.16	767745.7717	3956630.0962	26+033.80	767745.5624	3956629.8010	26+034.52	767746.0502	3956630.3272	2.75	0.72	0.362	14.9676	N42° 50' 04.10"E
C770	26+054.12	767761.1357	3956642.8433	26+050.15	767758.0777	3956640.3062	26+058.08	767763.7866	3956645.8031	53.67	7.93	3.973	8.4689	N46° 05' 01.76"E
C771	26+109.88	767798.3477	3956684.3906	26+091.52	767786.0982	3956670.7139	26+127.52	767815.5570	3956690.7894	74.32	36.00	18.360	27.7544	N55° 43' 35.68"E
C772	26+143.21	767830.2609	3956696.2566	26+136.72	767824.1774	3956693.9946	26+149.43	767834.5043	3956701.1676	25.30	12.71	6.490	28.7747	N55° 12' 59.08"E
C773	26+167.54	767846.3481	3956714.8748	26+161.51	767842.4051	3956710.3114	26+173.55	767850.8977	3956718.8336	84.73	12.04	6.031	8.1424	N44° 54' 01.00"E
C774	26+183.73	767858.5752	3956725.5143	26+179.21	767855.1652	3956722.5470	26+188.23	767861.5146	3956728.9483	61.49	9.02	4.520	8.4090	N44° 46' 01.16"E
C775	26+208.70	767874.8221	3956744.4950	26+203.55	767871.4750	3956740.5847	26+213.82	767878.8123	3956747.7467	57.34	10.27	5.147	10.2598	N45° 41' 32.51"E
C776	26+228.59	767890.2660	3956757.0808	26+222.73	767885.7191	3956753.3753	26+234.27	767892.8432	3956762.3497	26.73	11.55	5.866	24.7575	N36° 26' 36.52"E
C777	26+268.11	767907.7092	3956792.7424	26+260.89	767904.5378	3956786.2586	26+275.24	767912.4941	3956798.1464	53.18	14.35	7.218	15.4578	N33° 47' 37.02"E
C778	26+288.68	767921.4035	3956808.2087	26+284.37	767918.5478	3956804.9835	26+292.93	767923.2747	3956812.0887	31.09	8.56	4.308	15.7752	N33° 38' 05.66"E
C779	26+301.28	767926.9004	3956819.6065	26+299.33	767926.0561	3956817.8558	26+303.21	767928.0661	3956821.1618	20.00	3.88	1.944	11.1014	N31° 17' 52.69"E
C780	26+313.46	767934.2128	3956829.3639	26+310.10	767932.2005	3956826.6787	26+316.79	767935.6559	3956832.3933	33.68	6.69	3.356	11.3776	N31° 09' 35.48"E
C781	26+351.38	767950.5292	3956863.6163	26+332.45	767942.3982	3956846.5262	26+369.06	767967.1452	3956872.6858	58.43	36.61	18.930	35.9019	N43° 25' 19.29"E

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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT:	(MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
	<p>MINCONSULT SDN BHD (COMPANY NO. 98835-P) J.V. CREATIVE ENGINEERING</p>		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
			a			DRAWN	MANSOOR DURRANI			DATE:	
			b			CHECKED	SHAHZAD DURRANI			AUG.	

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
C782	26+378.12	767975.0934	3956877.0241	26+374.17	767971.6342	3956875.1360	26+381.96	767977.6286	3956880.0414	20.92	7.79	3.941	21.3345	N50° 42' 20.64"E
C783	26+399.92	767989.1790	3956893.7879	26+385.53	767979.9243	3956882.7736	26+414.00	768001.6801	3956900.9074	80.36	28.47	14.386	20.2996	N50° 11' 17.82"E
C784	26+429.83	768015.4298	3956908.7380	26+426.09	768012.1859	3956906.8906	26+433.52	768018.1220	3956911.3240	30.00	7.43	3.733	14.1862	N53° 14' 41.98"E
C785	26+450.55	768030.4036	3956923.1215	26+444.00	768025.6814	3956918.5854	26+457.02	768036.1817	3956926.2019	47.23	13.01	6.548	15.7854	N54° 02' 40.49"E
C786	26+477.60	768054.3457	3956935.8854	26+472.30	768049.6653	3956933.3902	26+482.90	768058.8875	3956938.6247	200.37	10.61	5.304	3.0326	N60° 25' 15.52"E
C787	26+519.72	768090.4119	3956957.6379	26+511.78	768083.6166	3956953.5395	26+527.64	768096.7706	3956962.3855	160.79	15.86	7.936	5.6510	N56° 04' 45.01"E
C788	26+549.41	768114.2163	3956975.4111	26+544.16	768110.0080	3956972.2690	26+554.65	768118.0348	3956979.0169	90.91	10.49	5.252	6.6125	N49° 56' 50.61"E
C789	26+565.25	768125.7366	3956986.2896	26+556.80	768119.6001	3956980.4950	26+573.54	768133.3875	3956989.8532	52.16	16.74	8.440	18.3842	N55° 49' 59.69"E
C790	26+607.35	768164.0355	3957004.1281	26+601.69	768158.9057	3957001.7388	26+612.96	768168.5016	3957007.6034	50.00	11.27	5.659	12.9143	N58° 34' 05.46"E
C791	26+652.13	768199.4147	3957031.6591	26+646.99	768195.3589	3957028.5030	26+656.96	768204.5442	3957031.9709	16.60	9.97	5.139	34.4106	N69° 18' 58.79"E
C792	26+676.87	768224.4144	3957033.1786	26+668.49	768216.0555	3957032.6706	26+684.08	768229.1782	3957040.0660	17.23	15.59	8.374	51.8512	N60° 35' 45.86"E
C793	26+713.11	768245.6925	3957063.9418	26+702.68	768239.7572	3957055.3608	26+721.91	768256.1260	3957063.9836	20.00	19.23	10.434	55.1004	N62° 13' 14.45"E
C794	26+731.89	768266.1063	3957064.0235	26+727.74	768261.9557	3957064.0069	26+735.60	768268.9876	3957067.0111	9.82	7.85	4.151	45.8091	N66° 51' 58.80"E
C795	26+749.54	768278.6659	3957077.0466	26+748.40	768277.8790	3957076.2307	26+750.67	768279.5399	3957077.7684	20.00	2.26	1.134	6.4878	N47° 12' 20.55"E
C796	26+759.02	768285.9809	3957083.0875	26+755.01	768282.8841	3957080.5301	26+762.99	768288.2960	3957086.3694	30.00	7.99	4.016	15.2506	N42° 49' 27.64"E
C797	26+781.11	768298.7374	3957101.1716	26+774.88	768295.1473	3957096.0822	26+787.16	768304.0567	3957104.4114	30.00	12.28	6.228	23.4570	N46° 55' 39.19"E
C798	26+793.16	768309.1856	3957107.5352	26+789.80	768306.3090	3957105.7832	26+796.47	768311.3297	3957110.1328	20.00	6.67	3.368	19.1188	N49° 05' 47.81"E
C799	26+821.83	768327.4719	3957129.6889	26+817.09	768324.4587	3957126.0385	26+826.54	768330.9850	3957132.8610	64.59	9.45	4.733	8.3831	N43° 43' 43.48"E
C800	26+841.58	768342.1473	3957142.9397	26+835.80	768337.8518	3957139.0612	26+847.36	768345.9453	3957147.3066	95.92	11.56	5.787	6.9055	N44° 28' 03.13"E
C801	26+877.84	768365.9533	3957170.3111	26+868.12	768359.5710	3957162.9729	26+887.23	768374.9110	3957174.0983	42.01	19.11	9.725	26.0671	N54° 02' 53.99"E
C802	26+898.90	768385.6566	3957178.6415	26+894.31	768381.4333	3957176.8559	26+903.44	768389.2922	3957181.4356	35.73	9.12	4.585	14.6266	N59° 46' 06.99"E
C803	26+916.08	768399.3163	3957189.1398	26+912.71	768396.6484	3957187.0894	26+919.38	768402.5082	3957190.2044	20.00	6.67	3.365	19.0998	N62° 00' 18.75"E
C804	26+926.76	768409.5120	3957192.5404	26+924.82	768407.6705	3957191.9262	26+928.69	768411.2010	3957193.4972	20.00	3.87	1.941	11.0878	N66° 00' 40.35"E
C805	26+963.04	768441.0838	3957210.4266	26+952.04	768431.5176	3957205.0071	26+973.03	768444.5359	3957220.8653	28.52	20.99	10.995	42.1680	N39° 23' 00.03"E
C806	27+016.68	768458.2423	3957262.3112	27+007.15	768455.2495	3957253.2613	27+026.12	768463.3715	3957270.3455	76.23	18.97	9.532	14.2555	N25° 25' 37.63"E
C807	27+045.37	768473.7297	3957286.5703	27+037.03	768469.2446	3957279.5449	27+053.66	768479.3899	3957292.6887	93.23	16.63	8.335	10.2172	N37° 39' 48.48"E
C808	27+069.88	768490.4062	3957304.5969	27+062.00	768485.0554	3957298.8128	27+077.72	768494.6440	3957311.2399	87.97	15.72	7.880	10.2372	N37° 39' 12.37"E
C809	27+118.36	768516.5037	3957345.5068	27+110.29	768512.1619	3957338.7006	27+126.16	768517.4218	3957353.5277	34.96	15.87	8.073	26.0051	N19° 31' 56.24"E
C810	27+145.17	768519.5838	3957372.4162	27+138.69	768518.8471	3957365.9797	27+151.45	768522.9110	3957377.9751	30.00	12.76	6.479	24.3720	N18° 42' 56.74"E
C811	27+193.27	768544.3860	3957413.8547	27+188.43	768541.9030	3957409.7062	27+198.09	768547.4388	3957417.6038	67.01	9.65	4.835	8.2536	N35° 01' 42.77"E
C812	27+220.75	768561.7505	3957435.1796	27+212.51	768556.5476	3957428.7901	27+228.60	768562.9597	3957443.3303	30.00	16.08	8.240	30.7167	N23° 47' 49.05"E
C813	27+243.93	768565.2094	3957458.4946	27+236.00	768564.0465	3957450.6564	27+250.31	768572.6447	3957461.2346	13.36	14.31	7.924	61.3324	N39° 06' 17.16"E
C814	27+267.22	768588.5174	3957467.0837	27+259.52	768581.2914	3957464.4209	27+274.22	768592.0915	3957473.9051	20.00	14.70	7.701	42.1184	N48° 42' 42.29"E
C815	27+301.72	768604.8536	3957498.2623	27+294.07	768601.3014	3957491.4828	27+309.26	768610.2711	3957503.6688	50.00	15.19	7.654	17.4060	N36° 21' 20.01"E
C816	27+323.32	768620.2220	3957513.5994	27+320.47	768618.2087	3957511.5902	27+326.14	768621.8219	3957515.9511	30.00	5.67	2.844	10.8322	N39° 38' 32.80"E
C817	27+365.85	768644.1524	3957548.7771	27+362.64	768642.3492	3957546.1263	27+368.83	768647.1854	3957549.8161	9.62	6.19	3.206	36.8634	N52° 39' 28.88"E
C818	27+393.16	768670.2082	3957557.7032	27+381.24	768658.9276	3957553.8387	27+403.94	768675.7578	3957568.2572	30.00	22.70	11.924	43.3530	N49° 24' 47.64"E
C819	27+434.50	768689.9801	3957595.3046	27+423.61	768684.9143	3957585.6707	27+445.17	768697.9864	3957602.6784	62.96	21.56	10.885	19.6182	N37° 32' 45.02"E
C820	27+464.11	768711.9162	3957615.5077	27+458.12	768707.5122	3957611.4516	27+469.57	768712.5320	3957621.4633	15.82	11.45	5.987	41.4522	N26° 37' 43.78"E
C821	27+486.63	768714.2871	3957638.4395	27+479.60	768713.5634	3957631.4398	27+493.63	768713.7509	3957645.4561	78.29	14.04	7.037	10.2727	N0° 45' 58.90"E

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

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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN: MANSOOR DURRANI			DATE:	
		b			CHECKED: SHAHZAD DURRANI			AUG.	

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
C822	27+505.46	768712.8495	3957657.2517	27+500.29	768713.2438	3957652.0913	27+507.79	768717.9862	3957656.6191	4.24	7.50	5.175	101.3907	N46° 19' 31.16"E
C823	27+542.67	768752.6129	3957652.3548	27+535.45	768745.4410	3957653.2380	27+549.47	768759.0513	3957655.6354	23.62	14.02	7.226	34.0213	N80° 00' 36.01"E
C824	27+561.81	768770.0436	3957661.2365	27+550.74	768760.1762	3957656.2086	27+572.65	768777.5429	3957669.3855	61.62	21.92	11.075	20.3771	N52° 48' 38.90"E
C825	27+603.59	768798.4912	3957692.1489	27+600.62	768796.4823	3957689.9659	27+606.51	768801.0474	3957693.6547	20.00	5.89	2.967	16.8748	N51° 03' 34.85"E
C826	27+622.38	768814.7211	3957701.7102	27+616.47	768809.6318	3957698.7120	27+628.14	768818.2940	3957706.4139	30.00	11.66	5.907	22.2774	N48° 21' 30.27"E
C827	27+646.89	768829.6362	3957721.3459	27+643.00	768827.2850	3957718.2506	27+650.71	768832.8547	3957723.5255	23.64	7.71	3.887	18.6744	N46° 33' 24.96"E
C828	27+669.88	768846.7294	3957734.2759	27+665.53	768845.1289	3957731.8376	27+674.23	768852.4370	3957736.5480	191.33	8.70	4.348	2.6039	N57° 11' 46.06"E
C829	27+695.71	768870.7560	3957747.7748	27+689.58	768865.5302	3957744.5722	27+701.41	768873.0064	3957753.4759	18.34	11.83	6.129	36.9575	N40° 01' 09.63"E
C830	27+716.80	768878.6553	3957767.7868	27+712.95	768877.2435	3957764.2100	27+720.03	768882.4038	3957768.6449	7.30	7.08	3.845	55.5659	N49° 19' 24.71"E
C831	27+737.18	768899.1178	3957772.4709	27+731.52	768893.6057	3957771.2092	27+742.31	768902.3345	3957777.1214	14.57	10.79	5.655	42.4355	N55° 53' 19.50"E
C832	27+756.34	768910.3174	3957788.6627	27+753.03	768908.4338	3957785.9395	27+759.60	768912.9780	3957790.6335	20.00	6.56	3.311	18.8006	N44° 04' 16.67"E
C833	27+769.78	768921.1602	3957796.6943	27+764.89	768917.2362	3957793.7876	27+774.31	768922.5107	3957801.3870	14.42	9.42	4.883	37.4157	N34° 45' 49.34"E
C834	27+786.07	768925.7630	3957812.6874	27+778.97	768923.8004	3957805.8680	27+789.00	768931.8794	3957809.0894	5.50	10.03	7.096	104.4104	N68° 15' 39.64"E
C835	27+804.28	768945.0476	3957801.3432	27+796.90	768938.6873	3957805.0847	27+809.84	768950.8304	3957805.9270	10.76	12.94	7.379	68.8690	N86° 01' 54.11"E
C836	27+890.75	769014.2340	3957856.1851	27+880.50	769006.2058	3957849.8214	27+900.95	769023.0950	3957861.3262	141.51	20.45	10.244	8.2812	N55° 44' 16.12"E
C837	27+922.05	769041.3415	3957871.9125	27+913.08	769033.5794	3957867.4091	27+930.99	769049.6913	3957875.2007	118.98	17.91	8.974	8.6269	N64° 11' 30.66"E
C838	27+947.87	769065.4015	3957881.3874	27+942.60	769060.4912	3957879.4537	27+953.05	769070.6749	3957881.5895	31.04	10.45	5.277	19.3003	N78° 09' 19.54"E
C839	27+968.75	769086.3624	3957882.1906	27+963.81	769081.4278	3957882.0015	27+973.60	769090.9760	3957883.9514	30.00	9.79	4.938	18.6950	N78° 27' 29.11"E
C840	27+985.88	769102.4521	3957888.3312	27+979.79	769096.7610	3957886.1592	27+991.97	769108.0936	3957890.6289	549.28	12.18	6.091	1,2708	N68° 28' 30.82"E
C841	28+009.46	769124.2878	3957897.2245	28+002.19	769117.5551	3957894.4824	28+016.64	769131.5071	3957898.0787	53.73	14.45	7.270	15.4120	N75° 32' 45.01"E
C842	28+029.72	769144.4918	3957899.6152	28+024.98	769139.7900	3957899.0588	28+034.45	769149.1568	3957900.4249	175.02	9.47	4.735	3.0992	N81° 42' 08.02"E
C843	28+099.13	769212.8843	3957911.4868	28+095.57	769209.3754	3957910.8777	28+102.66	769216.4411	3957911.3070	31.90	7.09	3.561	12.7416	N86° 31' 24.37"E
C844	28+119.43	769233.1820	3957910.4606	28+116.93	769230.6938	3957910.5864	28+121.92	769235.6729	3957910.4126	159.58	4.98	2.491	1.7888	S88° 00' 00.68"E
C845	28+179.73	769293.4739	3957909.2973	28+171.32	769285.0628	3957909.4596	28+186.09	769296.7163	3957917.0599	12.37	14.78	8.413	68.4349	N56° 53' 16.59"E
C846	28+212.00	769306.7025	3957940.9672	28+193.36	769299.5186	3957923.7697	28+215.72	769317.8283	3957926.0135	10.61	22.36	18.639	120.6796	N83° 00' 37.08"E
C847	28+235.71	769329.7635	3957909.9720	28+224.00	769322.7744	3957919.3657	28+244.71	769341.1561	3957912.6733	17.79	20.71	11.709	66.6892	S69° 59' 40.15"E
C848	28+263.38	769359.3145	3957916.9788	28+254.30	769350.4855	3957914.8854	28+272.41	769367.6545	3957920.5535	105.17	18.10	9.074	9.8621	N71° 43' 47.52"E
C849	28+328.66	769419.3603	3957942.7159	28+326.88	769417.7189	3957942.0124	28+330.45	769421.0234	3957943.3664	111.21	3.57	1.786	1.8400	N67° 43' 07.68"E
C850	28+355.25	769444.1240	3957952.4014	28+351.41	769440.5474	3957951.0025	28+359.08	769447.4924	3957954.2458	59.85	7.67	3.840	7.3425	N64° 58' 03.23"E
C851	28+380.96	769466.6801	3957964.7524	28+375.48	769461.8733	3957962.1203	28+386.42	769471.7630	3957966.8012	92.92	10.95	5.480	6.7506	N64° 40' 17.87"E
C852	28+399.19	769483.6053	3957971.5745	28+392.96	769477.8211	3957969.2430	28+405.41	769489.0744	3957974.5716	105.44	12.46	6.236	6.7700	N64° 39' 42.98"E
C853	28+417.96	769500.0779	3957980.6016	28+410.82	769493.8189	3957977.1716	28+425.06	769506.8456	3957982.8682	79.92	14.24	7.137	10.2059	N66° 22' 47.59"E
C854	28+487.17	769565.7341	3958002.5917	28+477.79	769556.8489	3957999.6158	28+496.49	769575.0063	3958003.9432	104.74	18.69	9.370	10.2240	N76° 35' 41.44"E
C855	28+507.05	769585.4581	3958005.4667	28+498.84	769577.3334	3958004.2824	28+515.08	769592.6562	3958009.4162	45.50	16.25	8.211	20.4598	N71° 28' 37.02"E
C856	28+522.29	769598.9734	3958012.8824	28+519.41	769596.4465	3958011.4959	28+525.17	769601.5855	3958014.1006	88.06	5.76	2.882	3.7493	N63° 07' 18.09"E
C857	28+565.78	769638.3896	3958031.2655	28+561.80	769634.7814	3958029.5827	28+569.18	769639.1933	3958035.1649	7.92	7.38	3.981	53.3492	N38° 19' 18.36"E
C858	28+579.12	769641.2017	3958044.9082	28+570.33	769639.4253	3958036.2903	28+584.76	769649.9756	3958044.2428	10.00	14.43	8.799	82.6897	N52° 59' 31.33"E
C859	28+590.39	769655.5940	3958043.8167	28+587.89	769653.0973	3958044.0061	28+592.53	769657.2411	3958045.7024	5.00	4.64	2.504	53.1994	N67° 44' 13.94"E
C860	28+612.58	769670.4296	3958060.8007	28+604.14	769664.8798	3958054.4473	28+620.56	769678.5249	3958063.1743	28.92	16.42	8.436	32.5211	N57° 23' 53.07"E
C861	28+659.25	769715.6482	3958074.0500	28+642.27	769699.3632	3958069.2842	28+675.88	769732.5867	3958073.0160	96.91	33.60	16.971	19.8651	N83° 35' 28.22"E

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

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG. 2024	TENDER DRAWINGS	G.DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA	
		1			DRAWN	MANSOOR DURRANI					
		2			CHECKED	SHAHZAD DURRANI					
										DATE:	AUG.

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
C862	28+704.02	769760.6785	3958071.2861	28+702.16	769758.8196	3958071.4006	28+705.88	769762.5309	3958071.0932	88.06	3.72	1.862	2.4232	S85° 15' 52.88"E
C863	28+726.93	769783.4704	3958068.9120	28+719.84	769776.4159	3958069.6468	28+734.00	769790.5580	3958069.1791	100.11	14.16	7.093	8.1049	S88° 06' 20.01"E
C864	28+763.39	769819.9271	3958070.2858	28+759.30	769815.8322	3958070.1314	28+767.43	769823.7977	3958071.6313	27.40	8.14	4.098	17.0116	N79° 20' 10.24"E
C865	28+784.61	769840.0269	3958077.2733	28+780.67	769836.3037	3958075.9789	28+788.52	769843.9528	3958077.6266	32.04	7.84	3.942	14.0269	N77° 50' 37.80"E
C866	28+806.02	769861.3914	3958079.1961	28+800.65	769856.0427	3958078.7147	28+811.38	769866.7593	3958079.0376	89.94	10.73	5.370	6.8339	N88° 16' 27.33"E
C867	28+848.40	769903.7590	3958077.9451	28+847.51	769902.8742	3958077.9712	28+849.28	769904.6381	3958077.8409	20.00	1.77	0.885	5.0684	S85° 46' 28.52"E
C868	28+864.98	769920.2230	3958075.9937	28+860.41	769915.6837	3958076.5317	28+869.54	769924.7935	3958075.9197	89.74	9.13	4.571	5.8316	S86° 09' 22.43"E
C869	28+877.07	769932.3188	3958075.7978	28+873.59	769928.8396	3958075.8541	28+880.54	769935.7914	3958075.5765	146.71	6.96	3.480	2.7174	S87° 42' 48.13"E
C870	28+901.40	769956.6080	3958074.2503	28+892.15	769947.3735	3958074.8386	28+910.56	769965.4268	3958071.4484	75.47	18.41	9.253	13.9807	S79° 21' 51.60"E
C871	28+942.80	769996.1480	3958061.6877	28+933.62	769987.4013	3958064.4667	28+948.71	770000.0777	3958069.9814	10.51	15.09	9.178	82.2739	N66° 29' 20.76"E
C872	28+961.50	770005.5539	3958081.5391	28+955.56	770003.0101	3958076.1704	28+967.41	770007.1241	3958087.2688	67.72	11.85	5.941	10.0269	N20° 20' 19.35"E
C873	28+988.98	770012.8261	3958108.0760	28+978.80	770010.1353	3958098.2568	28+996.41	770022.9961	3958108.5537	14.02	17.61	10.181	71.9855	N51° 19' 04.68"E
C874	29+009.15	770035.7216	3958109.1515	29+003.94	770030.5113	3958108.9067	29+014.25	770040.4977	3958111.2483	28.12	10.31	5.216	21.0140	N76° 48' 13.29"E
C875	29+042.15	770066.0441	3958122.4642	29+038.45	770062.6521	3958120.9750	29+045.85	770059.5310	3958123.7154	107.07	7.41	3.705	3.9634	N66° 16' 42.18"E
C876	29+077.70	770099.5083	3958134.4724	29+070.52	770092.7508	3958132.0476	29+084.72	770104.9654	3958139.1376	39.14	14.20	7.179	20.7866	N59° 52' 00.46"E
C877	29+098.88	770115.7290	3958148.3392	29+094.25	770112.2100	3958145.3309	29+103.18	770120.3526	3958148.5733	13.59	8.92	4.630	37.6276	N68° 17' 14.33"E
C878	29+113.96	770131.1177	3958149.1184	29+110.98	770128.1475	3958148.9680	29+116.91	770134.0075	3958149.8208	31.57	5.93	2.974	10.7628	N81° 43' 11.00"E
C879	29+140.44	770156.6720	3958155.3784	29+133.62	770150.2463	3958153.7679	29+147.24	770163.2067	3958157.9013	96.85	13.61	6.819	6.0542	N72° 18' 40.50"E
C880	29+160.15	770175.1981	3958162.6771	29+154.56	770170.0066	3958160.6095	29+165.70	770180.6946	3958163.6847	56.35	11.14	5.588	11.3275	N73° 56' 52.51"E
C881	29+187.26	770201.9049	3958167.5731	29+182.94	770197.6570	3958166.7344	29+191.57	770206.0085	3958168.9187	63.63	8.62	4.319	7.7655	N75° 43' 44.14"E
C882	29+199.58	770213.6245	3958171.4158	29+194.92	770209.1967	3958169.9640	29+204.21	770218.2492	3958171.9859	47.84	9.29	4.660	11.1262	N77° 24' 33.48"E
C883	29+223.18	770237.0725	3958174.3063	29+217.79	770231.7260	3958173.6473	29+228.54	770242.4526	3958174.0359	62.16	10.75	5.387	9.9053	N87° 55' 30.28"E
C884	29+245.08	770258.9779	3958173.2052	29+236.90	770250.8018	3958173.6162	29+252.05	770264.1384	3958179.5602	16.14	15.15	8.186	53.7995	N65° 58' 40.75"E
C885	29+264.95	770272.2713	3958189.5755	29+262.41	770270.6686	3958187.6018	29+267.41	770272.8475	3958192.0518	11.02	5.00	2.542	25.9800	N26° 05' 17.67"E
C886	29+275.96	770274.7626	3958200.2825	29+270.29	770273.5002	3958194.2571	29+281.07	770278.9489	3958203.9573	17.34	10.78	5.570	35.6252	N30° 54' 39.02"E
C887	29+294.07	770288.7200	3958212.5344	29+290.03	770285.6854	3958209.8705	29+298.10	770291.5865	3958215.3784	132.23	8.07	4.038	3.4981	N46° 58' 27.71"E
C888	29+307.90	770298.5419	3958222.2793	29+302.89	770294.9808	3958218.7461	29+312.81	770303.1030	3958224.3676	28.20	9.93	5.016	20.1739	N55° 18' 44.17"E
C889	29+318.71	770308.4605	3958226.8205	29+315.81	770305.8304	3958225.6163	29+321.56	770310.6416	3958228.7205	20.00	5.75	2.893	16.4592	N57° 10' 10.63"E
C890	29+336.55	770321.9459	3958238.5680	29+332.67	770319.0215	3958236.0205	29+340.41	770324.4443	3958241.5346	50.19	7.74	3.878	8.8368	N44° 31' 17.85"E
C891	29+350.22	770330.7579	3958249.0314	29+346.25	770328.2035	3958245.9982	29+354.08	770331.9638	3958252.8091	20.03	7.83	3.965	22.3996	N28° 54' 12.49"E
C892	29+363.20	770334.7369	3958261.4965	29+360.57	770333.9371	3958258.9909	29+365.61	770336.9616	3958262.8996	7.22	5.04	2.630	40.0572	N37° 43' 56.18"E
C893	29+373.64	770343.7539	3958267.1834	29+369.27	770340.0553	3958264.8508	29+378.00	770347.0668	3958270.0375	58.79	8.73	4.373	8.5069	N53° 30' 26.64"E
C894	29+388.61	770355.1019	3958276.9601	29+380.51	770348.9716	3958271.6787	29+396.57	770362.5272	3958280.1754	53.09	16.06	8.092	17.3323	N57° 55' 12.27"E
C895	29+427.43	770390.8425	3958292.4367	29+422.07	770385.9270	3958290.3081	29+432.69	770394.8194	3958296.0253	32.62	10.62	5.357	18.6488	N57° 15' 42.44"E
C896	29+453.11	770409.9750	3958309.7015	29+449.52	770407.3115	3958307.2980	29+456.66	770413.1507	3958311.3708	28.53	7.14	3.588	14.3344	N55° 06' 01.11"E
C897	29+468.61	770423.7282	3958316.9308	29+463.80	770419.4734	3958314.6943	29+473.34	770427.1396	3958320.3172	32.04	9.54	4.807	17.0619	N53° 44' 03.71"E
C898	29+484.17	770434.8225	3958327.9441	29+478.14	770430.5462	3958323.6990	29+490.12	770440.1003	3958330.8516	43.04	11.97	6.026	15.9398	N53° 10' 00.70"E
C899	29+521.32	770467.4296	3958345.9073	29+507.35	770455.1967	3958339.1682	29+534.74	770475.1435	3958357.5499	56.81	27.39	13.966	27.6227	N47° 20' 17.00"E
C900	29+552.67	770485.0473	3958372.4875	29+547.82	770482.3657	3958368.4502	29+557.50	770498.3902	3958376.0184	55.56	9.69	4.855	9.9875	N38° 31' 14.71"E
C901	29+599.78	770517.4999	3958406.6781	29+593.96	770513.4938	3958402.4587	29+605.48	770519.8001	3958412.0223	32.62	11.52	5.818	20.2268	N33° 24' 04.00"E

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

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:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		1			DRAWN	MANSOOR DURRANI			DATE:	
		2			CHECKED	SHAHZAD DURRANI			AUG	

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
C902	29+633.75	770530.9774	3958437.9912	29+627.87	770528.6529	3958432.5905	29+639.51	770534.9915	3958442.2875	33.75	11.64	5.880	19.7668	N33° 10' 15.92"E
C903	29+655.06	770545.6046	3958453.6470	29+653.61	770544.6163	3958452.5822	29+656.50	770546.4302	3958454.8360	20.00	2.89	1.448	8.2796	N38° 54' 52.76"E
C904	29+666.71	770552.2541	3958463.2233	29+664.22	770550.8361	3958461.1812	29+669.18	770553.2551	3958465.4991	25.75	4.96	2.466	11.0310	N29° 15' 33.63"E
C905	29+685.58	770559.8586	3958480.5110	29+679.10	770557.2500	3958474.5808	29+691.63	770565.4596	3958483.7671	19.89	12.53	6.479	36.0850	N41° 47' 10.89"E
C906	29+700.36	770573.0090	3958488.1559	29+695.20	770568.5504	3958485.5639	29+705.36	770575.9718	3958492.3773	23.49	10.15	5.157	24.7668	N47° 26' 43.68"E
C907	29+725.70	770587.6581	3958509.0288	29+717.13	770582.7320	3958502.0098	29+734.22	770591.0624	3958516.8992	83.90	17.09	8.575	11.6717	N29° 13' 34.41"E
C908	29+745.30	770595.4628	3958527.0726	29+740.81	770593.6811	3958522.9535	29+749.64	770598.8336	3958530.0355	20.00	8.83	4.488	25.2947	N36° 02' 15.90"E
C909	29+759.31	770606.0970	3958536.4199	29+756.99	770604.3511	3958534.8853	29+761.62	770607.4444	3958538.3140	20.00	4.63	2.324	13.2588	N42° 03' 20.58"E
C910	29+785.26	770621.1512	3958557.5826	29+782.62	770619.6185	3958555.4280	29+787.88	770623.1911	3958559.2649	20.00	5.26	2.644	15.0623	N42° 57' 26.89"E
C911	29+828.21	770654.3055	3958584.9239	29+820.43	770648.3030	3958579.9739	29+835.97	770660.7613	3958589.2662	159.49	15.55	7.780	5.5858	N53° 16' 53.46"E
C912	29+866.21	770685.8464	3958606.1390	29+861.73	770682.1287	3958603.6384	29+870.47	770687.7804	3958610.1807	16.43	8.75	4.481	30.5026	N40° 49' 23.16"E
C913	29+873.58	770691.7102	3958618.3932	29+876.37	770690.3262	3958615.5009	29+882.46	770694.7283	3958619.4758	7.80	6.08	3.206	44.6952	N47° 55' 09.87"E
C914	29+891.41	770703.1575	3958622.4994	29+885.95	770698.0122	3958620.6537	29+896.86	770707.9647	3958625.1015	71.91	10.91	5.466	8.6940	N65° 55' 12.01"E
C915	29+910.07	770719.5878	3958631.3932	29+907.99	770717.7558	3958630.4015	29+912.14	770721.1760	3958632.7411	20.00	4.15	2.083	11.8926	N55° 37' 36.02"E
C916	29+946.91	770747.6829	3958655.2362	29+931.00	770735.5550	3958644.9438	29+962.61	770756.5457	3958668.4449	114.49	31.61	15.907	15.8196	N41° 46' 14.02"E
C917	29+983.92	770768.4192	3958686.1406	29+978.85	770765.5934	3958681.9292	29+988.98	770770.6017	3958690.7186	69.30	10.13	5.072	8.3718	N29° 40' 29.47"E

Project Director (PIU)
Provincial Road 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:
	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING (CONSULTANTS) (CECO)</p>	0	AUG, 2024	TENDER DRAWINGS	G.DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	HORIZONTAL CURVE DATA
		1						DATE:	
	2						AUG,		

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
C918	30+036.09	770791.0611	3958732.6896	30+022.60	770785.8007	3958720.2650	30+049.46	770799.1153	3958743.5144	112.29	26.86	13.492	13.7038	N29° 47' 56.81"E
C919	30+055.44	770802.6830	3958748.3095	30+050.10	770799.4983	3958744.0292	30+060.35	770802.4239	3958753.6383	14.89	10.25	5.335	39.4348	N16° 56' 00.94"E
C920	30+070.06	770801.9523	3958763.3382	30+065.79	770802.1595	3958759.0772	30+073.31	770805.8075	3958765.1648	6.39	7.52	4.266	67.4320	N30° 55' 55.83"E
C921	30+087.70	770818.8075	3958771.3243	30+079.06	770810.9953	3958767.6228	30+095.44	770821.6870	3958779.4753	20.77	16.38	8.645	45.1915	N42° 03' 08.72"E
C922	30+118.03	770829.2114	3958800.7749	30+114.03	770827.8800	3958797.0058	30+122.00	770829.7404	3958804.7371	38.51	7.97	3.997	11.8524	N13° 31' 49.80"E
C923	30+135.41	770831.5156	3958818.0338	30+126.71	770830.3642	3958809.4096	30+143.79	770836.4640	3958825.1902	36.16	17.08	8.701	27.0583	N21° 08' 00.57"E
C924	30+158.69	770844.9411	3958837.4496	30+152.13	770841.2082	3958832.0512	30+164.29	770842.8346	3958843.6658	13.05	12.16	6.563	53.3626	N7° 58' 16.89"E
C925	30+198.88	770831.7344	3958876.4224	30+191.16	770834.2109	3958869.1142	30+200.47	770839.2965	3958874.8869	4.44	9.31	7.716	120.1980	N41° 22' 44.56"E
C926	30+218.59	770857.0493	3958871.2821	30+213.09	770851.6672	3958872.3749	30+222.72	770860.0033	3958875.9119	8.00	9.63	5.492	68.9386	N67° 00' 31.39"E
C927	30+238.69	770868.5954	3958889.3784	30+235.04	770866.6277	3958886.2943	30+242.34	770870.9912	3958892.1432	50.00	7.30	3.658	8.3695	N36° 43' 26.95"E
C928	30+287.01	770900.2437	3958925.9027	30+283.15	770897.7184	3958922.9653	30+290.58	770900.4249	3958929.7547	11.13	7.42	3.856	38.2159	N21° 48' 03.37"E
C929	30+308.14	770901.2499	3958947.2948	30+299.19	770900.8295	3958938.3571	30+315.21	770909.4434	3958950.8899	14.43	16.02	8.948	63.6165	N34° 30' 04.37"E
C930	30+338.67	770930.9267	3958960.3161	30+334.19	770926.8286	3958958.5181	30+342.88	770933.3290	3958964.0917	14.71	8.69	4.475	33.8415	N49° 23' 19.30"E
C931	30+352.67	770938.5848	3958972.3517	30+350.67	770937.5094	3958970.6616	30+354.66	770939.9740	3958973.7950	20.00	3.99	2.003	11.4395	N36° 11' 15.61"E
C932	30+364.87	770947.0551	3958981.1514	30+361.38	770944.6327	3958978.6349	30+368.30	770948.4810	3958984.3401	20.00	6.92	3.493	19.8134	N34° 00' 02.56"E
C933	30+389.42	770957.1065	3959003.6279	30+380.54	770953.4808	3958995.5204	30+397.48	770965.2610	3959007.1462	22.80	16.94	8.881	42.5678	N45° 22' 40.54"E
C934	30+433.20	770998.0618	3959021.2984	30+429.48	770994.6462	3959019.8247	30+436.89	771001.0141	3959023.5617	30.00	7.40	3.720	14.1372	N59° 35' 35.76"E
C935	30+472.25	771029.0797	3959045.0780	30+439.36	771002.9809	3959025.0695	30+496.68	771019.0624	3959076.4011	46.74	57.32	32.886	70.2592	N17° 23' 42.31"E
C936	30+510.65	771014.8057	3959089.7112	30+505.77	771016.2940	3959085.0575	30+515.53	771012.7997	3959094.1663	85.95	9.76	4.886	6.5069	N20° 59' 16.76"W
C937	30+528.65	771007.4128	3959106.1295	30+523.41	771009.5631	3959101.3540	30+531.18	771012.4505	3959107.5613	4.52	7.77	5.237	98.3760	N24° 56' 47.47"E
C938	30+573.20	771052.8684	3959119.0483	30+568.08	771047.9434	3959117.6486	30+577.45	771054.3515	3959123.9489	9.37	9.37	5.120	57.2966	N45° 29' 10.38"E
C939	30+603.61	771061.9304	3959148.9914	30+597.80	771060.2463	3959143.4268	30+609.25	771061.1262	3959154.7494	26.46	11.45	5.814	24.7685	N4° 26' 37.20"E
C940	30+638.10	771057.1355	3959183.3236	30+632.79	771057.8690	3959178.0720	30+643.16	771059.1002	3959188.2488	20.00	10.37	5.303	29.6983	N6° 53' 54.83"E
C941	30+655.72	771063.7525	3959199.9111	30+650.69	771061.8915	3959195.2460	30+660.65	771063.9925	3959204.9279	30.00	9.95	5.023	19.0084	N12° 14' 36.69"E
C942	30+738.21	771067.6993	3959282.3998	30+735.95	771067.5914	3959280.1442	30+740.47	771067.8588	3959284.6524	197.29	4.52	2.258	1.3116	N3° 23' 42.48"E
C943	30+796.31	771071.8038	3959340.3571	30+788.10	771071.2238	3959332.1665	30+804.38	771074.9730	3959347.9321	50.00	16.28	8.211	18.6521	N13° 22' 37.11"E
C944	30+844.88	771090.6043	3959385.2944	30+841.15	771089.1644	3959381.8528	30+848.59	771091.5175	3959388.9116	50.00	7.45	3.731	8.5343	N18° 26' 09.20"E
C945	30+866.44	771095.8863	3959406.2165	30+859.69	771094.2334	3959399.6696	30+873.11	771099.2165	3959412.0905	50.00	13.42	6.752	15.3822	N21° 51' 35.49"E
C946	30+893.89	771109.4647	3959430.1665	30+888.33	771106.7214	3959425.3279	30+899.41	771111.0775	3959435.4897	50.00	11.08	5.562	12.6954	N23° 12' 11.75"E
C947	30+928.99	771119.6561	3959463.8041	30+926.08	771118.8118	3959461.0175	30+931.89	771120.9191	3959466.4276	37.62	5.81	2.912	8.8520	N21° 16' 53.66"E
C948	30+945.71	771126.9131	3959478.8780	30+939.00	771124.0014	3959472.8300	30+952.34	771128.0736	3959485.4894	48.52	13.34	6.712	15.7516	N17° 49' 54.42"E
C949	30+977.16	771132.3655	3959509.9395	30+969.04	771130.9606	3959501.9363	30+985.02	771137.0653	3959516.5679	36.08	15.98	8.126	25.3823	N22° 38' 49.81"E
C950	31+020.16	771157.3906	3959545.2337	31+016.99	771155.5559	3959542.6461	31+023.33	771159.3151	3959547.7553	180.58	6.34	3.172	2.0127	N36° 20' 40.96"E
C951	31+039.47	771169.1075	3959560.5858	31+031.69	771164.3819	3959554.3940	31+046.93	771170.2241	3959568.2945	30.00	15.24	7.789	29.1095	N22° 47' 46.80"E
C952	31+063.72	771172.6306	3959584.8094	31+061.32	771172.2877	3959582.5422	31+066.08	771173.5545	3959587.1158	18.83	4.76	2.392	14.4792	N15° 28' 52.47"E
C953	31+080.24	771179.0231	3959600.1756	31+076.75	771177.6745	3959596.9548	31+083.59	771178.7158	3959603.6537	14.13	6.85	3.492	27.7701	N8° 50' 08.11"E
C954	31+123.56	771175.1983	3959643.4645	31+115.07	771175.9458	3959635.0041	31+126.96	771183.5523	3959641.9321	6.47	11.90	8.493	105.4436	N47° 40' 21.11"E
C955	31+162.02	771218.0335	3959635.6070	31+144.92	771201.2176	3959638.6917	31+173.49	771224.2114	3959651.5483	20.66	28.57	17.096	79.2109	N60° 47' 20.29"E
C956	31+209.20	771237.1153	3959684.8448	31+199.48	771233.6038	3959675.7839	31+218.83	771238.4817	3959694.4657	84.63	19.35	9.717	13.1002	N14° 38' 00.41"E
C957	31+251.09	771243.0169	3959726.3979	31+243.44	771241.9412	3959718.8243	31+257.94	771238.4172	3959732.5103	18.45	14.50	7.650	45.0458	N14° 26' 22.26"W

Project Director (PIU)
Provincial Road 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:	
	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>		a	AUG, 2024	TENDER DRAWINGS	G. DESIGNED	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S DATE: AUG,	HORIZONTAL CURVE DATA	
			b			DRAWN					MANSOOR DURRANI
						CHECKED					SHAHZAD DURRANI

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
C998	32+648.50	771892.6454	3960451.4050	32+641.55	771890.0898	3960444.9445	32+655.41	771896.3369	3960457.2907	75.51	13.86	6.948	10.5134	N26° 50' 21.37"E
C999	32+675.39	771906.9550	3960474.2200	32+661.64	771899.5481	3960462.5700	32+689.03	771911.5282	3960487.1892	123.85	27.39	13.752	12.6722	N25° 45' 35.62"E
C1000	32+742.62	771929.3491	3960537.7274	32+727.98	771924.4805	3960523.9205	32+757.04	771929.8705	3960552.3583	95.77	29.06	14.640	17.3831	N10° 43' 56.14"E
C1001	32+800.84	771931.4304	3960596.1362	32+791.20	771931.0871	3960586.5013	32+804.31	771940.4416	3960592.7087	6.90	13.11	9.641	108.7839	N56° 25' 57.65"E
C1002	32+821.59	771956.5966	3960586.5641	32+809.13	771944.9487	3960590.9944	32+833.06	771968.4004	3960590.5805	34.68	23.93	12.462	39.5290	S88° 56' 23.50"E
C1003	32+864.10	771997.8045	3960600.5157	32+841.30	771976.2075	3960593.2037	32+886.32	772014.9901	3960615.5006	115.25	45.02	22.801	22.3824	N60° 06' 15.97"E
C1004	32+924.19	772043.5293	3960640.3854	32+914.94	772036.5622	3960634.3104	32+933.41	772051.1828	3960645.5692	151.65	18.46	9.244	6.9764	N52° 24' 05.16"E
C1005	32+953.57	772067.8715	3960656.8727	32+947.29	772062.6743	3960653.3525	32+959.78	772072.0373	3960661.5683	50.00	12.49	6.277	14.3113	N48° 44' 02.30"E
C1006	32+977.00	772083.4677	3960674.4526	32+968.49	772077.8165	3960668.0826	32+985.36	772090.9089	3960678.5928	50.00	16.87	8.515	19.3305	N51° 14' 36.82"E
C1007	32+985.66	772099.9147	3960683.6035	32+985.97	772091.4444	3960678.8907	33+004.67	772103.8384	3960692.4668	28.94	18.71	9.693	37.0303	N42° 23' 37.23"E
C1008	33+034.25	772115.8111	3960719.5122	33+028.56	772113.5061	3960714.3053	33+038.98	772121.4364	3960720.3958	10.45	10.43	5.694	57.1937	N52° 28' 31.41"E
C1009	33+050.61	772132.9260	3960722.2008	33+042.36	772124.7720	3960720.9199	33+058.47	772139.2860	3960727.4619	30.10	16.11	8.254	30.6709	N65° 44' 12.52"E
C1010	33+068.22	772146.8007	3960733.6783	33+064.50	772143.9309	3960731.3044	33+071.63	772147.4184	3960737.3511	10.00	7.13	3.724	40.8544	N29° 58' 27.00"E
C1011	33+085.59	772149.7334	3960751.1158	33+083.03	772149.3087	3960748.5905	33+088.12	772149.5234	3960753.6679	20.48	5.10	2.561	14.2520	N2° 25' 15.51"E
C1012	33+101.40	772148.4340	3960766.9040	33+099.50	772148.5900	3960765.0078	33+103.26	772148.9851	3960768.7249	10.00	3.76	1.903	21.5440	N6° 04' 01.27"E
C1013	33+148.51	772162.0942	3960812.0375	33+140.17	772159.6762	3960804.0486	33+156.71	772166.9759	3960818.8077	50.00	16.54	8.347	18.9545	N26° 18' 58.69"E
C1014	33+168.94	772174.1308	3960828.7306	33+163.99	772171.2350	3960824.7146	33+173.86	772176.1826	3960833.2365	50.00	9.87	4.951	11.3102	N30° 08' 18.55"E
C1015	33+192.42	772183.8756	3960850.1300	33+187.43	772181.8061	3960845.5856	33+197.22	772183.5660	3960855.1139	20.00	9.79	4.993	28.0372	N10° 27' 53.36"E
C1016	33+207.51	772182.9280	3960865.3881	33+202.43	772183.2432	3960860.3125	33+211.49	772187.3899	3960867.8277	8.00	9.06	5.085	64.8859	N28° 53' 20.99"E
C1017	33+231.57	772205.0122	3960877.4628	33+218.89	772193.8825	3960871.3775	33+243.31	772210.0086	3960889.1220	36.70	24.43	12.685	38.1353	N42° 15' 51.93"E
C1018	33+257.87	772215.7425	3960902.5023	33+251.95	772213.4104	3960897.0604	33+263.46	772220.6611	3960905.7979	20.00	11.51	5.921	32.9807	N39° 41' 13.68"E
C1019	33+310.55	772259.7792	3960932.0074	33+304.85	772255.0440	3960928.8347	33+316.20	772263.6789	3960936.1644	50.00	11.35	5.700	13.0070	N49° 40' 26.45"E
C1020	33+337.17	772278.0256	3960951.4578	33+331.05	772273.8374	3960946.9933	33+341.50	772283.4297	3960948.5824	8.00	10.45	6.122	74.8457	N80° 35' 36.09"E
C1021	33+353.40	772293.9380	3960942.9913	33+347.56	772288.7809	3960945.7352	33+357.65	772298.1218	3960947.0681	8.00	10.09	5.842	72.2740	N81° 52' 45.20"E
C1022	33+384.07	772317.0437	3960965.5059	33+378.70	772313.1954	3960961.7561	33+389.37	772319.7040	3960970.1742	38.08	10.68	5.373	16.0643	N37° 42' 36.36"E
C1023	33+401.03	772325.4785	3960980.3069	33+397.03	772323.4938	3960976.8243	33+404.87	772328.9015	3960982.3926	15.52	7.85	4.006	28.9681	N44° 09' 43.22"E
C1024	33+438.35	772357.4894	3960999.8112	33+431.87	772351.9592	3960996.4416	33+444.82	772363.2507	3961002.7683	177.28	12.95	6.476	4.1841	N60° 44' 17.25"E
C1025	33+478.75	772393.4387	3961018.2627	33+469.06	772384.8200	3961013.8390	33+487.85	772403.0467	3961017.0230	31.18	18.79	9.688	34.5218	N80° 05' 27.91"E
C1026	33+501.49	772416.5771	3961015.2772	33+494.41	772409.5562	3961016.1831	33+508.11	772422.8022	3961018.6478	21.93	13.69	7.079	35.7856	N79° 27' 32.97"E
C1027	33+530.91	772442.8598	3961029.5082	33+522.37	772435.3462	3961025.4399	33+539.43	772449.7414	3961034.5725	123.48	17.06	8.544	7.9165	N57° 36' 29.07"E
C1028	33+587.07	772488.1094	3961062.8084	33+574.64	772478.1017	3961055.4435	33+599.43	772496.6821	3961071.8030	141.66	24.79	12.426	10.0255	N48° 38' 13.39"E
C1029	33+619.84	772510.7616	3961086.5754	33+614.50	772507.0769	3961082.7094	33+625.14	772515.1797	3961089.5759	50.00	10.64	5.341	12.1937	N49° 43' 16.07"E
C1030	33+660.12	772544.1154	3961109.2273	33+645.36	772531.8084	3961100.9370	33+674.57	772552.7463	3961121.1958	83.59	29.21	14.756	20.0213	N45° 48' 26.28"E
C1031	33+717.12	772577.6313	3961155.7040	33+707.56	772572.0416	3961147.9528	33+723.42	772570.9111	3961162.4986	11.29	15.86	9.557	80.4814	N4° 26' 38.67"W
C1032	33+735.60	772562.3450	3961171.1595	33+726.69	772568.6158	3961164.8193	33+744.29	772554.1109	3961174.5827	44.34	17.60	8.917	22.7405	N56° 03' 18.13"E
C1033	33+774.27	772526.4291	3961186.0912	33+765.57	772534.4585	3961182.7530	33+776.99	772532.5783	3961192.2396	5.82	11.42	8.696	112.4292	N11° 12' 38.50"E
C1034	33+819.93	772562.9492	3961222.6064	33+806.51	772553.4593	3961213.1178	33+832.74	772575.9148	3961226.0680	50.00	26.22	13.420	30.0477	N60° 01' 39.76"E
C1035	33+871.11	772612.9872	3961235.9658	33+861.23	772603.4439	3961233.4179	33+860.89	772622.8622	3961238.1955	82.74	19.66	9.878	13.6159	N81° 51' 34.18"E
C1036	33+900.09	772642.0602	3961236.6421	33+893.35	772635.3152	3961236.4852	33+906.81	772648.6900	3961237.8938	82.43	13.46	6.747	9.3589	N83° 59' 16.74"E
C1037	33+946.27	772687.4649	3961245.2144	33+935.98	772677.3503	3961243.3048	33+956.26	772695.9188	3961251.0867	48.23	20.28	10.293	24.0934	N67° 15' 42.58"E
C1038	33+982.10	772717.1408	3961265.8281	33+977.05	772712.9946	3961262.9480	33+987.14	772720.9770	3961269.1097	100.35	10.09	5.048	5.7602	N52° 20' 06.14"E
C1039	33+997.42	772728.7906	3961275.7938	33+992.56	772725.0943	3961272.6318	34+002.25	772733.0837	3961278.0809	44.42	9.69	4.864	12.4986	N55° 42' 15.22"E


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 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	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	MANSOOR DURRANI			DATE:	
			CHECKED	SHAHZAD DURRANI	AUG.					

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
C1040	33+995.72	772770.3276	3961308.8741	33+989.91	772766.2451	3961304.7391	34+000.79	772776.1195	3961308.4068	12.47	10.88	5.811	49.9806	N69° 37' 23.81"E
C1041	34+008.43	772783.7368	3961307.7921	34+002.23	772777.5522	3961308.2911	34+014.60	772789.9071	3961308.4386	66.92	12.37	6.205	10.5949	N89° 18' 57.97"E
C1042	34+048.28	772823.4049	3961311.9483	34+042.82	772817.9769	3961311.3796	34+053.70	772828.5937	3961313.6404	51.58	10.88	5.458	12.0804	N77° 58' 42.40"E
C1043	34+068.44	772842.6043	3961318.2094	34+061.68	772836.1840	3961316.1157	34+075.18	772849.1823	3961319.7375	155.18	13.50	6.753	4.9837	N74° 25' 48.30"E
C1044	34+086.71	772860.4116	3961322.3462	34+081.11	772854.9561	3961321.0788	34+092.26	772865.4519	3961324.7693	50.00	11.16	5.601	12.7833	N70° 31' 48.96"E
C1045	34+127.20	772896.8884	3961340.0279	34+118.67	772889.2184	3961336.3099	34+131.75	772892.6922	3961347.4472	8.00	13.07	8.524	93.6308	N17° 19' 23.61"E
C1046	34+158.54	772879.5035	3961370.7655	34+150.23	772883.5954	3961363.5307	34+166.82	772876.5055	3961378.5179	113.87	16.59	8.312	8.3500	N25° 19' 01.82"W
C1047	34+184.18	772870.2423	3961394.7138	34+181.42	772871.2400	3961392.1340	34+186.94	772868.9662	3961397.1679	50.00	5.53	2.766	6.3328	N24° 18' 30.79"W
C1048	34+223.77	772851.9778	3961429.8372	34+208.10	772859.2050	3961415.9390	34+239.32	772847.7627	3961444.9245	150.74	31.22	15.665	11.8655	N21° 32' 31.77"W
C1049	34+290.25	772834.0598	3961493.9718	34+280.01	772836.8151	3961484.1095	34+297.79	772842.4980	3961499.7730	14.33	17.78	10.240	71.1014	N19° 56' 28.75"E
C1050	34+313.66	772855.5754	3961508.7635	34+306.45	772849.6367	3961504.6808	34+320.85	772861.0774	3961513.4180	144.20	14.40	7.207	5.7221	N52° 37' 51.45"E
C1051	34+337.27	772873.6084	3961524.0188	34+330.63	772868.5410	3961519.7320	34+343.83	772877.3818	3961529.4792	50.00	13.20	6.637	15.1233	N42° 12' 29.60"E
C1052	34+356.28	772884.4618	3961539.7244	34+350.95	772881.4336	3961535.3425	34+361.56	772888.4308	3961543.2765	44.91	10.60	5.326	13.5270	N41° 24' 36.11"E
C1053	34+375.53	772898.8402	3961552.5922	34+367.17	772892.6174	3961547.0232	34+383.72	772902.9155	3961559.8812	50.00	16.55	8.351	18.9638	N38° 41' 29.72"E
C1054	34+401.98	772911.8262	3961575.8187	34+393.91	772907.8878	3961568.7745	34+409.63	772918.9034	3961579.6977	28.09	15.72	8.070	32.0636	N45° 14' 29.35"E
C1055	34+446.51	772951.2486	3961597.4257	34+436.32	772942.3069	3961592.5248	34+455.18	772952.5345	3961607.5410	20.00	18.86	10.197	54.0283	N34° 15' 32.99"E
C1056	34+484.27	772956.2033	3961636.4000	34+472.94	772954.7740	3961625.1571	34+495.14	772962.7881	3961645.6243	44.99	22.20	11.333	28.2765	N21° 22' 59.84"E
C1057	34+543.35	772990.7985	3961684.8622	34+538.69	772988.0894	3961681.0671	34+548.00	772994.0146	3961688.2384	65.96	9.31	4.663	8.0868	N39° 33' 53.92"E
C1058	34+561.01	773002.9906	3961697.6613	34+554.18	772998.2777	3961692.7137	34+567.73	773005.9023	3961703.8429	42.22	13.55	6.833	18.3863	N34° 24' 54.93"E
C1059	34+605.77	773022.1125	3961738.2568	34+600.36	773019.8068	3961733.3618	34+610.72	773020.6722	3961743.4723	14.60	10.36	5.411	40.6604	N4° 53' 30.93"E
C1060	34+700.34	772996.8156	3961829.8574	34+694.50	772998.3695	3961824.2308	34+705.86	772998.5323	3961835.4365	20.00	11.36	5.837	32.5408	N0° 49' 55.69"E
C1061	34+763.35	773015.4379	3961890.3803	34+752.40	773012.2175	3961879.9141	34+774.28	773019.6775	3961900.4767	220.91	21.88	10.950	5.6756	N19° 56' 25.22"E
C1062	34+875.27	773058.7771	3961993.5906	34+868.62	773056.2017	3961987.4574	34+881.07	773055.7400	3961999.5087	14.28	12.45	6.652	49.9443	N2° 11' 38.36"W
C1063	34+911.83	773041.6965	3962026.8742	34+897.89	773048.0593	3962014.4755	34+916.47	773055.5486	3962028.4010	9.60	18.58	13.936	110.8760	N28° 16' 18.76"E
C1064	34+957.31	773096.1445	3962032.8758	34+931.14	773070.1290	3962030.0082	34+977.02	773102.8368	3962058.1788	38.16	45.88	26.173	68.8952	N49° 15' 44.14"E
C1065	34+998.91	773108.4334	3962079.3392	34+992.54	773106.8055	3962073.1844	35+004.96	773113.0001	3962083.7750	22.94	12.42	6.366	31.0185	N30° 19' 26.05"E
C1066	35+034.12	773133.9144	3962104.0897	35+026.51	773128.4614	3962098.7930	35+041.70	773139.9252	3962108.7438	135.63	15.19	7.802	6.4163	N49° 02' 28.72"E
C1067	35+062.40	773156.2889	3962121.4142	35+060.06	773154.4418	3962119.9841	35+064.73	773156.0576	3962122.9403	88.13	4.67	2.336	3.0369	N50° 43' 51.67"E
C1068	35+131.70	773208.4508	3962167.0425	35+125.37	773203.7583	3962162.7933	35+137.57	773209.5287	3962173.2805	18.37	12.19	6.330	38.0343	N28° 49' 17.09"E
C1069	35+163.53	773213.9501	3962198.8658	35+155.52	773212.5866	3962190.9756	35+171.40	773217.7514	3962205.9132	49.06	15.87	8.007	18.5378	N19° 04' 23.54"E
C1070	35+211.55	773236.8148	3962241.2555	35+207.56	773234.9174	3962237.7379	35+215.53	773238.1292	3962245.0298	50.00	7.98	3.997	9.1402	N23° 46' 19.30"E
C1071	35+269.67	773255.9355	3962296.1569	35+263.70	773253.9723	3962290.5200	35+275.63	773258.5904	3962301.5031	94.79	11.92	5.969	7.2067	N22° 48' 18.97"E
C1072	35+289.83	773264.9104	3962314.2299	35+285.02	773262.7691	3962309.9178	35+294.64	773266.5616	3962318.7523	86.78	9.62	4.814	6.3512	N23° 13' 58.89"E
C1073	35+340.87	773282.4174	3962362.1802	35+334.07	773280.0863	3962355.7955	35+347.59	773286.3683	3962367.7110	50.00	13.51	6.797	15.4826	N27° 47' 55.49"E
C1074	35+384.95	773308.0863	3962398.1136	35+377.05	773303.4953	3962391.6867	35+392.60	773314.9481	3962402.0252	35.96	15.55	7.898	24.7746	N47° 55' 38.44"E
C1075	35+426.10	773344.0494	3962418.6144	35+421.24	773339.8291	3962416.2086	35+430.95	773348.4113	3962420.7530	156.02	9.71	4.858	3.5669	N62° 05' 53.16"E
C1076	35+452.86	773368.0851	3962430.3990	35+440.43	773356.9191	3962424.9244	35+465.17	773377.5733	3962438.4379	100.17	24.75	12.436	14.1544	N56° 48' 15.78"E
C1077	35+494.82	773400.1908	3962457.6004	35+485.62	773393.1745	3962451.6559	35+503.81	773408.8631	3962460.6595	50.00	18.19	3.196	20.8428	N60° 08' 54.95"E
C1078	35+520.03	773424.1571	3962466.0544	35+514.50	773418.9432	3962464.2152	35+525.51	773428.8433	3962468.9883	50.00	11.01	5.529	12.6199	N64° 15' 36.15"E
C1079	35+568.57	773465.3368	3962491.8362	35+559.19	773457.3881	3962486.8584	35+577.93	773472.7516	3962497.5818	187.71	18.75	9.380	5.7216	N55° 05' 21.41"E

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<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:	
		0	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		a			DRAWN	MANSOOR DURRANI			DATE:	
		b			CHECKED	SHAHZAD DURRANI			AUG.	

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
C1080	35+618.69	773504.9731	3962522.5498	35+607.10	773495.8112	3962515.4504	35+630.05	773511.1660	3962532.3471	65.96	22.95	11.591	19.9313	N42° 15' 46.20"E
C1081	35+662.54	773528.5236	3962559.8071	35+655.78	773524.9118	3962554.0930	35+669.23	773533.3834	3962564.5058	56.41	13.46	6.760	13.6679	N39° 07' 52.12"E
C1082	35+685.56	773545.1225	3962575.8559	35+675.08	773537.5890	3962568.5720	35+695.96	773550.9090	3962584.5923	96.10	20.88	10.479	12.4465	N39° 44' 30.60"E
C1083	35+760.76	773586.6938	3962638.6192	35+744.40	773577.6592	3962624.9789	35+776.79	773590.5167	3962654.5273	92.76	32.39	16.361	20.0061	N23° 30' 55.84"E
C1084	35+791.99	773594.0692	3962669.3103	35+784.54	773592.3288	3962662.0679	35+799.00	773599.5654	3962674.3375	24.33	14.46	7.449	34.0395	N30° 31' 55.94"E
C1085	35+835.80	773626.7185	3962699.1735	35+818.46	773613.9273	3962687.4738	35+852.71	773634.2072	3962714.8073	89.36	34.24	17.335	21.9573	N36° 34' 23.89"E
C1086	35+873.31	773643.1070	3962733.3871	35+865.23	773639.6159	3962726.0989	35+881.36	773645.4611	3962741.1179	106.75	16.13	8.081	8.6587	N21° 15' 55.12"E
C1087	35+899.22	773650.6624	3962758.1988	35+886.92	773647.0806	3962746.4362	35+911.25	773658.1320	3962767.9658	68.09	24.33	12.296	20.4721	N27° 10' 19.30"E
C1088	36+033.18	773732.2005	3962864.8151	36+020.56	773724.5356	3962854.7927	36+045.68	773737.3104	3962876.3514	106.46	25.12	12.617	13.5175	N30° 38' 57.58"E
C1089	36+122.76	773768.5306	3962946.8350	36+099.34	773759.0424	3962925.4143	36+125.77	773780.4684	3962926.6766	12.07	26.44	23.428	125.4754	N86° 37' 41.72"E
C1090	36+145.56	773790.5515	3962909.6501	36+139.44	773787.4293	3962914.9223	36+149.80	773796.3979	3962911.4845	7.73	10.36	6.127	76.7866	S69° 01' 38.48"E
C1091	36+209.23	773853.1021	3962929.2770	36+196.57	773841.0249	3962925.4874	36+221.71	773863.5919	3962936.3609	86.71	25.14	12.658	16.6109	N64° 16' 26.11"E
C1092	36+248.87	773886.1031	3962951.5629	36+243.71	773881.8260	3962948.6745	36+254.03	773890.5758	3962954.1380	144.15	10.32	5.161	4.1011	N58° 01' 08.53"E
C1093	36+265.94	773900.8976	3962960.0806	36+261.65	773897.1765	3962957.9382	36+270.03	773903.0300	3962963.8074	15.86	8.39	4.294	30.2926	N44° 55' 23.78"E
C1094	36+315.66	773925.6922	3963003.4147	36+300.24	773918.0334	3962990.0292	36+329.84	773940.1382	3963008.8130	42.68	29.60	15.422	39.7332	N49° 38' 36.75"E
C1095	36+340.34	773949.9724	3963012.4878	36+334.75	773944.7381	3963010.5319	36+345.47	773952.7148	3963017.3563	15.30	10.72	5.588	40.1172	N49° 27' 05.47"E
C1096	36+372.94	773966.1974	3963041.2909	36+363.83	773961.7302	3963033.3606	36+382.01	773971.6764	3963048.5591	136.72	18.18	9.102	7.6176	N33° 12' 06.19"E
C1097	36+451.05	774013.2341	3963103.6869	36+443.74	774008.8329	3963097.8486	36+456.36	774009.0056	3963109.6516	10.00	12.63	7.311	72.3446	N0° 50' 17.70"E
C1098	36+506.04	773980.2729	3963150.1811	36+499.15	773984.2628	3963144.5531	36+512.90	773977.4998	3963156.4981	67.73	13.75	6.899	11.6326	N29° 31' 03.85"W
C1099	36+598.37	773943.1426	3963234.7607	36+586.58	773947.8816	3963223.9656	36+609.83	773943.0775	3963246.5500	56.97	23.25	11.790	23.3853	N12° 00' 31.66"W
C1100	36+630.33	773942.9644	3963267.0455	36+623.41	773943.0026	3963260.1346	36+637.15	773941.0531	3963273.6869	50.00	13.73	6.911	15.7391	N8° 11' 06.55"W
C1101	36+643.40	773939.3235	3963279.6966	36+639.23	773940.4763	3963275.6911	36+646.36	773942.8515	3963261.9162	5.54	7.15	4.168	73.8800	N20° 53' 05.00"E
C1102	36+691.40	773980.9589	3963305.8907	36+686.04	773976.4163	3963303.0329	36+695.39	773985.1845	3963302.5822	7.63	9.35	5.367	70.2350	S87° 03' 28.07"E
C1103	36+709.33	773996.1585	3963293.9899	36+702.41	773990.7086	3963295.2570	36+716.24	774001.1617	3963289.2068	140.22	13.83	6.922	5.6522	S49° 06' 51.19"E
C1104	36+738.47	774017.2275	3963273.8477	36+733.22	774013.4338	3963277.4744	36+742.36	774021.9143	3963276.2097	7.43	9.14	5.248	70.4583	S81° 31' 02.23"E
C1105	36+763.53	774040.8211	3963285.7380	36+752.45	774030.9247	3963280.7506	36+772.84	774042.2895	3963296.7224	21.00	20.39	11.082	55.6396	N35° 26' 01.61"E
C1106	36+798.07	774045.6325	3963321.7303	36+793.51	774045.0285	3963317.2122	36+802.36	774048.6724	3963325.1268	14.81	8.84	4.558	34.2148	N24° 43' 17.07"E
C1107	36+830.14	774067.2022	3963345.8303	36+815.67	774057.5506	3963335.0465	36+843.51	774068.0013	3963360.2803	41.25	27.84	14.472	38.6636	N22° 29' 49.23"E
C1108	36+873.85	774069.6763	3963390.5713	36+870.34	774069.4828	3963387.0714	36+877.06	774072.0990	3963393.1048	9.49	6.72	3.505	40.5542	N23° 26' 32.18"E
C1109	36+908.57	774093.8824	3963415.8844	36+903.21	774090.1720	3963412.0043	36+913.93	774097.1913	3963420.1120	108.43	10.73	5.369	5.6692	N40° 53' 05.03"E
C1110	36+933.90	774109.4990	3963435.8368	36+930.78	774107.5744	3963433.3778	36+937.02	774111.1028	3963438.5161	50.00	6.24	3.123	7.1472	N34° 28' 35.43"E
C1111	36+946.80	774116.1258	3963446.9080	36+940.56	774112.9204	3963441.5528	36+952.41	774122.1560	3963448.5173	15.39	11.86	6.241	44.1546	N52° 58' 48.88"E
C1112	36+982.12	774150.8553	3963456.1764	36+976.99	774145.8979	3963454.8534	36+986.87	774153.9446	3963460.2731	14.89	9.88	5.131	38.0368	N56° 02' 20.64"E
C1113	36+999.17	774161.3501	3963470.0931	36+992.59	774157.3868	3963464.8375	37+005.58	774162.9658	3963476.4742	32.63	12.99	6.582	22.8117	N25° 36' 53.33"E
C1114	37+030.04	774168.9712	3963500.1915	37+022.38	774167.0891	3963492.7586	37+037.48	774173.7673	3963506.1739	35.30	15.10	7.668	24.5108	N26° 27' 51.78"E
C1115	37+089.30	774206.1862	3963546.6106	37+081.06	774201.0299	3963540.1790	37+097.33	774213.4183	3963550.5663	41.25	16.27	8.243	22.6037	N50° 01' 17.53"E
C1116	37+123.45	774236.3335	3963563.0997	37+117.59	774231.1901	3963560.2855	37+129.02	774239.2562	3963568.1815	20.84	11.43	5.862	31.4189	N45° 36' 50.75"E
C1117	37+141.65	774245.5521	3963579.1283	37+135.63	774242.5545	3963573.9163	37+147.21	774251.1290	3963581.3753	17.39	11.58	6.013	38.1496	N48° 58' 46.50"E
C1118	37+160.96	774263.9839	3963586.5145	37+155.17	774258.5092	3963584.3490	37+166.39	774267.0113	3963591.3926	18.16	11.22	5.795	35.3895	N50° 21' 35.06"E
C1119	37+182.15	774275.5192	3963604.6628	37+175.48	774271.9171	3963599.0444	37+188.52	774281.4368	3963607.7488	25.09	13.05	6.674	29.7929	N47° 33' 41.12"E

[Handwritten Signature]
Project Director (PIU)
 Provincial Road 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. 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	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
		b			DRAWN	MANSOOR DURRANI			DATE:	
			CHECKED	SHAHZAD DURRANI	AUG,					

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
C1120	37+221.55	774310.7232	3963623.0218	37+219.14	774308.5853	3963621.9068	37+223.96	774312.7439	3963624.3372	50.00	4.82	2.411	5.5217	N59° 41' 49.35"E
C1121	37+258.33	774341.5464	3963643.0874	37+254.38	774338.2508	3963640.9420	37+262.24	774344.4662	3963645.7217	50.00	7.85	3.932	8.9940	N52° 26' 21.13"E
C1122	37+281.86	774359.0301	3963658.8618	37+277.51	774355.8027	3963655.9499	37+286.18	774362.7116	3963661.1730	50.00	8.67	4.347	9.9373	N52° 54' 39.05"E
C1123	37+299.98	774374.3971	3963668.5091	37+296.28	774371.2593	3963666.5392	37+303.67	774377.2103	3963670.9200	50.00	7.40	3.705	8.4756	N53° 38' 30.21"E
C1124	37+328.67	774396.1900	3963687.1853	37+323.13	774391.9870	3963683.5834	37+334.16	774401.0790	3963689.7806	50.00	11.03	5.535	12.6344	N55° 43' 16.05"E
C1125	37+360.79	774424.6043	3963702.2691	37+358.27	774422.3778	3963701.0872	37+363.31	774426.7005	3963703.8689	50.00	5.04	2.521	5.7721	N58° 09' 08.09"E
C1126	37+394.23	774452.4142	3963720.8397	37+390.82	774449.5832	3963718.9492	37+397.62	774454.9629	3963723.0965	50.00	6.80	3.404	7.7899	N52° 22' 16.49"E
C1127	37+421.25	774472.6501	3963738.7578	37+415.25	774468.1574	3963734.7797	37+427.08	774478.3516	3963740.6295	29.04	11.84	6.001	23.3499	N60° 09' 04.52"E
C1128	37+438.16	774488.8751	3963744.0841	37+431.72	774482.7553	3963742.0751	37+444.39	774493.5659	3963748.4983	28.95	12.68	6.441	25.0864	N59° 16' 58.85"E
C1129	37+460.65	774505.4071	3963759.6414	37+451.85	774499.0004	3963753.6125	37+469.33	774509.8373	3963767.2418	60.67	17.47	8.797	16.5021	N38° 29' 19.53"E
C1130	37+490.80	774520.6513	3963785.7940	37+477.74	774514.0742	3963774.5104	37+503.53	774531.0299	3963793.7224	66.00	25.79	13.060	22.3855	N41° 25' 49.61"E
C1131	37+515.50	774540.5410	3963800.9881	37+509.89	774536.0863	3963797.5850	37+520.11	774539.9624	3963806.5639	10.00	10.22	5.606	58.5481	N23° 20' 57.00"E
C1132	37+536.92	774538.2274	3963823.2820	37+531.64	774538.7727	3963818.0273	37+541.36	774542.2607	3963826.6940	10.00	9.72	5.283	55.6943	N21° 55' 20.27"E
C1133	37+573.19	774566.5660	3963847.2559	37+567.35	774562.1050	3963843.4819	37+578.33	774566.7041	3963853.0974	13.00	10.98	5.843	48.4152	N25° 33' 42.79"E
C1134	37+591.29	774567.0103	3963866.0490	37+586.50	774566.8972	3963861.2638	37+595.43	774570.8083	3963868.9622	10.00	8.93	4.787	51.1569	N26° 55' 57.92"E
C1135	37+631.14	774599.1459	3963890.6975	37+625.02	774594.2900	3963886.9729	37+635.64	774597.1731	3963896.4906	8.53	10.62	6.120	71.3164	N16° 51' 10.81"E
C1136	37+650.27	774592.4571	3963910.3396	37+646.80	774593.5744	3963907.0585	37+652.78	774595.2537	3963912.3874	4.72	5.98	3.466	72.5919	N17° 29' 26.80"E
C1137	37+675.99	774613.9796	3963926.0993	37+668.98	774608.3243	3963921.9583	37+682.91	774618.2782	3963931.6358	50.00	13.93	7.009	15.9602	N45° 48' 24.02"E
C1138	37+710.59	774635.2510	3963953.4960	37+701.31	774629.5610	3963946.1676	37+719.43	774636.4636	3963962.6943	34.25	18.12	9.278	30.3163	N22° 40' 06.34"E
C1139	37+783.68	774644.8619	3964026.3972	37+779.66	774644.3366	3964022.4127	37+787.60	774646.8333	3964029.8993	20.81	7.94	4.019	21.8658	N18° 26' 35.41"E
C1140	37+797.43	774651.6511	3964038.4580	37+793.23	774649.5942	3964034.8039	37+801.50	774655.0127	3964040.9646	19.80	8.26	4.193	23.9138	N41° 19' 58.77"E
C1141	37+813.18	774664.3768	3964047.9469	37+807.74	774660.0208	3964044.6988	37+818.60	774668.4164	3964051.5610	118.18	10.86	5.434	5.2651	N50° 39' 26.53"E
C1142	37+847.60	774689.9712	3964070.9721	37+842.13	774685.9069	3964067.3158	37+852.63	774690.7817	3964076.3787	15.23	10.50	5.467	39.4996	N28° 16' 30.16"E
C1143	37+882.75	774695.2472	3964106.1682	37+875.89	774694.2300	3964099.3824	37+889.43	774698.7877	3964112.0458	34.44	13.55	6.862	22.5383	N19° 47' 39.90"E
C1144	37+901.12	774704.8187	3964122.0579	37+897.92	774703.1674	3964119.3165	37+903.35	774702.5572	3964124.3224	4.09	5.43	3.200	76.0262	N6° 56' 58.35"W
C1145	37+927.27	774685.6562	3964141.2455	37+917.62	774692.4770	3964134.4157	37+936.69	774681.8677	3964150.1233	50.00	19.07	9.652	21.8529	N34° 02' 10.39"W
C1146	37+960.36	774672.5774	3964171.8938	37+942.39	774679.6293	3964155.3686	37+956.20	774687.5696	3964161.9919	5.40	13.81	17.967	146.5533	N50° 10' 00.77"E
C1147	37+980.15	774707.5513	3964148.7946	37+972.78	774701.4042	3964152.8546	37+984.79	774712.2463	3964154.4715	8.20	12.00	7.367	83.8514	N81° 31' 04.30"E
C1148	38+013.55	774730.9785	3964176.6375	38+006.10	774725.8276	3964170.8931	38+020.44	774730.7214	3964184.0907	21.35	14.34	7.454	38.4940	N20° 20' 42.62"E
C1149	38+048.16	774731.2527	3964211.8070	38+028.91	774730.8837	3964192.5804	38+066.34	774742.0262	3964227.7599	65.12	37.43	19.250	32.9342	N17° 33' 54.88"E
C1150	38+093.76	774757.3700	3964250.4804	38+085.96	774753.0043	3964244.0158	38+101.08	774764.6374	3964253.3151	25.00	15.12	7.801	34.6587	N51° 21' 42.13"E
C1151	38+126.54	774788.3518	3964262.5653	38+120.05	774782.3116	3964260.2092	38+132.70	774792.3093	3964267.7008	23.32	12.65	6.483	31.0729	N53° 09' 16.72"E
C1152	38+149.65	774802.6561	3964281.1275	38+145.37	774800.0389	3964277.7313	38+153.22	774801.2174	3964285.1665	7.86	7.85	4.288	57.2237	N9° 00' 22.99"E
C1153	38+220.84	774778.5278	3964348.8672	38+162.84	774797.9877	3964294.2338	38+238.58	774836.4244	3964345.4777	38.42	75.74	57.996	112.9559	N36° 52' 21.04"E
C1154	38+275.84	774873.6212	3964343.3001	38+273.21	774870.9933	3964343.4539	38+278.47	774876.2535	3964343.2763	106.48	5.26	2.632	2.8322	S88° 03' 56.33"E
C1155	38+305.34	774903.1171	3964343.0333	38+291.66	774889.4380	3964343.1570	38+317.91	774913.7238	3964351.6721	37.91	26.26	13.680	39.6797	N70° 40' 42.09"E
C1156	38+348.56	774937.4881	3964371.0272	38+338.96	774930.0386	3964364.9599	38+357.30	774938.9570	3964380.5218	25.00	18.35	9.608	42.0439	N29° 48' 59.59"E
C1157	38+373.86	774941.4885	3964396.8844	38+366.11	774940.3038	3964389.2272	38+381.58	774943.6721	3964404.3186	117.06	15.47	7.748	7.5741	N12° 34' 54.05"E
C1158	38+414.99	774953.0854	3964436.3667	38+407.54	774950.9880	3964429.2261	38+422.03	774958.6871	3964441.2667	25.57	14.48	7.442	32.4544	N32° 35' 45.39"E
C1159	38+461.34	774988.2771	3964467.1497	38+436.73	774963.7517	3964450.9451	38+485.74	775010.0006	3964478.7198	213.75	49.01	24.613	13.1367	N55° 23' 29.32"E

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) 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	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S DATE: AUG.	HORIZONTAL CURVE DATA
1			DRAWN	MANSOOR DURRANI						
2			CHECKED	SHAHZAD DURRANI						

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
C1160	38+501.67	775024.0611	3964486.2086	38+491.28	775014.8950	3964481.3266	38+511.93	775034.1902	3964488.5009	77.38	20.65	10.385	15.2883	N69° 36' 14.35"E
C1161	38+533.14	775054.8739	3964493.1818	38+517.86	775039.9694	3964489.8088	38+547.38	775064.8731	3964504.7377	46.51	29.53	15.281	36.3788	N59° 03' 31.50"E
C1162	38+569.62	775079.4242	3964521.5541	38+563.89	775075.6736	3964517.2197	38+575.32	775083.9489	3964525.0714	58.05	11.43	5.732	11.2772	N46° 30' 28.55"E
C1163	38+594.58	775099.1620	3964536.8939	38+586.80	775093.0127	3964532.1148	38+602.14	775102.8102	3964543.7746	36.31	15.34	7.788	24.2138	N40° 02' 22.53"E
C1164	38+642.03	775121.4961	3964579.0214	38+637.92	775119.5696	3964575.3840	38+646.13	775122.8058	3964582.9252	50.00	8.22	4.117	9.4143	N23° 13' 31.86"E
C1165	38+664.43	775128.6184	3964600.2790	38+656.93	775126.2348	3964593.1626	38+671.92	775131.9510	3964607.0035	109.47	14.99	7.505	7.8439	N22° 26' 25.20"E
C1166	38+708.28	775148.0969	3964639.5831	38+701.82	775145.2283	3964633.7948	38+714.66	775152.3424	3964644.4522	50.00	12.85	6.460	14.7239	N33° 43' 27.26"E
C1167	38+745.71	775172.7429	3964667.8491	38+737.66	775167.4519	3964661.7810	38+753.70	775176.6469	3964674.8904	76.07	16.04	8.051	12.0827	N35° 02' 41.41"E
C1168	38+779.49	775189.1502	3964697.4444	38+774.18	775186.5771	3964692.8029	38+784.73	775192.8884	3964701.2114	38.30	10.55	5.307	15.7760	N36° 53' 29.36"E
C1169	38+794.03	775199.4409	3964707.8145	38+787.83	775195.0726	3964703.4125	38+800.17	775202.6013	3964713.1503	50.00	12.34	6.202	14.1407	N37° 42' 32.82"E
C1170	38+823.82	775214.6579	3964733.5055	38+820.08	775212.7472	3964730.2797	38+827.09	775218.3596	3964734.1011	8.00	7.01	3.749	50.2208	N55° 44' 56.88"E
C1171	38+836.03	775227.1862	3964735.5213	38+832.27	775223.4802	3964734.9250	38+839.62	775230.1419	3964737.8353	14.56	7.35	3.754	28.9166	N66° 24' 04.29"E
C1172	38+856.92	775243.7608	3964748.4975	38+849.71	775238.0833	3964744.0526	38+864.02	775247.8576	3964754.4311	47.34	14.31	7.211	17.3205	N43° 16' 57.37"E
C1173	38+923.21	775281.4866	3964803.1384	38+916.72	775277.7994	3964797.7981	38+929.69	775285.4303	3964808.2921	265.33	12.98	6.490	2.8021	N36° 01' 24.26"E
C1174	38+948.21	775296.6811	3964822.9945	38+942.42	775293.1632	3964818.3973	38+953.99	775300.4137	3964827.4193	243.39	11.58	5.789	2.7249	N38° 47' 12.97"E
C1175	38+986.20	775321.1810	3964852.0382	38+974.80	775313.8260	3964843.3192	38+997.23	775324.0268	3964863.0844	50.00	22.43	11.407	25.7027	N27° 17' 52.89"E
C1176	39+036.29	775333.7720	3964900.9118	39+021.49	775330.0792	3964886.5777	39+050.27	775344.6728	3964910.9255	50.00	28.78	14.802	32.9819	N30° 56' 15.37"E
C1177	39+088.55	775372.8687	3964936.8270	39+065.72	775356.0493	3964921.3763	39+108.81	775373.0544	3964959.6652	52.57	43.09	22.839	46.9627	N23° 56' 49.97"E
C1178	39+140.38	775373.3111	3964991.2326	39+134.96	775373.2671	3964985.8207	39+145.75	775374.5121	3964996.5098	50.00	10.78	5.412	12.3555	N6° 38' 37.00"E
C1179	39+162.82	775378.3010	3965013.1582	39+147.45	775374.8897	3964998.1689	39+177.35	775373.0753	3965027.6154	52.41	29.91	15.373	32.6943	N3° 31' 32.94"W
C1180	39+202.08	775364.6691	3965050.8715	39+196.55	775366.5482	3965045.6728	39+203.25	775370.1142	3965049.9185	3.20	6.70	5.528	119.8005	N40° 01' 38.25"E
C1181	39+220.90	775387.4934	3965046.8767	39+211.59	775378.3257	3965048.4613	39+226.58	775389.7510	3965055.9059	10.00	14.99	9.307	65.8892	N56° 58' 58.63"E
C1182	39+266.85	775399.5180	3965094.9677	39+263.60	775398.7298	3965091.8155	39+270.09	775399.8916	3965098.1955	50.00	6.49	3.249	7.4363	N10° 19' 12.64"E
C1183	39+293.25	775402.5547	3965121.2046	39+285.53	775401.6672	3965113.5371	39+300.74	775406.5029	3965127.6370	36.06	15.21	7.719	24.1629	N18° 41' 00.44"E
C1184	39+331.74	775422.3602	3965154.4750	39+320.19	775416.4540	3965144.5535	39+343.11	775430.9431	3965162.1988	76.12	22.92	11.546	17.2510	N39° 23' 25.42"E
C1185	39+355.97	775440.4992	3965170.7984	39+351.98	775437.5390	3965168.1345	39+359.93	775443.0004	3965173.8972	50.00	7.95	3.982	9.1075	N43° 27' 43.65"E
C1186	39+386.76	775459.8524	3965194.7759	39+375.70	775452.9036	3965186.1667	39+397.82	775467.3482	3965202.9133	338.74	22.12	11.064	3.7414	N40° 46' 44.63"E
C1187	39+425.13	775485.8524	3965223.0014	39+417.41	775480.6206	3965217.3217	39+432.73	775489.1270	3965229.9949	50.00	15.32	7.722	17.5591	N33° 52' 12.79"E
C1188	39+448.83	775495.9542	3965244.5755	39+441.11	775492.6815	3965237.5861	39+456.43	775501.1820	3965250.2528	50.00	15.31	7.718	17.5490	N33° 51' 54.69"E
C1189	39+503.94	775533.3642	3965285.2020	39+498.80	775529.8832	3965281.4218	39+509.04	775537.5412	3965288.1952	50.00	10.24	5.139	11.7360	N48° 30' 27.70"E
C1190	39+518.14	775544.9366	3965293.4945	39+514.11	775541.6625	3965291.1483	39+522.15	775547.7929	3965296.3345	50.00	8.04	4.028	9.2114	N49° 46' 11.83"E
C1191	39+540.77	775560.9967	3965309.4628	39+536.77	775558.1597	3965306.6420	39+544.75	775564.2463	3965311.7967	50.00	7.98	4.001	9.1496	N49° 44' 20.55"E
C1192	39+574.81	775588.8636	3965329.3334	39+568.46	775583.5007	3965325.6253	39+581.13	775594.4707	3965331.9185	62.10	12.67	6.357	11.6892	N60° 09' 30.43"E
C1193	39+606.14	775617.3226	3965342.0913	39+586.96	775599.7974	3965334.2897	39+620.20	775615.4639	3965361.1843	26.62	33.24	19.183	71.5631	N30° 13' 17.39"E
C1194	39+632.69	775614.2537	3965373.6167	39+629.19	775614.5934	3965370.1265	39+636.19	775614.4044	3965377.1202	50.00	7.00	3.507	8.0237	N1° 32' 53.52"E
C1195	39+648.82	775614.9472	3965389.7352	39+647.07	775614.8723	3965387.9962	39+650.55	775614.8203	3965391.4713	30.00	3.48	1.741	6.6414	N0° 51' 25.53"E
C1196	39+670.49	775613.3676	3965411.3588	39+662.30	775613.9646	3965403.1864	39+678.38	775616.5576	3965418.9066	34.02	16.08	8.194	27.0884	N9° 21' 59.07"E
C1197	39+693.28	775622.3565	3965432.6275	39+687.07	775619.9400	3965426.9096	39+699.24	775621.8178	3965438.8116	25.00	12.17	6.208	27.8893	N8° 57' 57.46"E
C1198	39+709.30	775620.9447	3965448.8339	39+703.88	775621.4151	3965443.4347	39+713.81	775625.2116	3965452.1755	10.00	9.93	5.420	56.9123	N23° 28' 38.74"E
C1199	39+735.27	775642.1095	3965465.4092	39+732.47	775639.9041	3965463.6820	39+737.93	775643.0915	3965468.0327	9.96	5.46	2.801	31.4131	N36° 13' 37.26"E



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

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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 18835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S DATE: AUG,	HORIZONTAL CURVE DATA
		1			DRAWN	MANSOOR DURRANI				
2			CHECKED	SHAHZAD DURRANI						

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
C1200	39+751.26	775647.7618	3965480.5104	39+742.09	775644.5465	3965471.9201	39+759.16	775656.5025	3965483.2907	16.88	17.08	9.172	51.8338	N46° 26' 14.60"E
C1201	39+772.12	775668.8517	3965487.2190	39+766.75	775663.7310	3965485.5901	39+777.38	775673.0897	3965490.5227	30.03	10.63	5.374	20.2919	N62° 12' 30.08"E
C1202	39+790.58	775683.5029	3965498.6401	39+785.60	775679.5717	3965495.5756	39+795.56	775687.7178	3965501.3009	100.59	9.96	4.985	5.6737	N54° 53' 57.33"E
C1203	39+811.04	775701.5708	3965510.0462	39+808.62	775698.7563	3965508.2695	39+815.26	775704.1250	3965512.1804	50.00	6.65	3.328	7.6169	N53° 55' 39.52"E
C1204	39+830.58	775715.6779	3965522.0007	39+824.91	775711.5305	3965518.3681	39+836.24	775720.4080	3965525.4027	216.22	11.33	5.665	2.9743	N51° 36' 22.79"E
C1205	39+858.11	775737.8912	3965538.5326	39+838.62	775722.3115	3965526.8323	39+877.14	775748.1896	3965555.0724	104.19	38.52	19.484	21.1851	N42° 30' 03.38"E
C1206	39+908.69	775764.8615	3965581.8481	39+899.86	775760.1938	3965574.3516	39+917.34	775771.8147	3965587.2921	50.00	17.48	8.831	20.0323	N41° 55' 28.43"E
C1207	39+951.04	775798.3495	3965608.0676	39+937.15	775787.4161	3965599.5073	39+964.59	775805.3136	3965620.0810	71.97	27.43	13.886	21.8400	N41° 01' 14.56"E
C1208	39+974.30	775810.1853	3965628.4849	39+967.70	775806.8777	3965622.7791	39+980.74	775815.3495	3965632.5871	34.84	13.04	6.595	21.4372	N40° 49' 09.43"E
C1209	40+010.66	775838.7779	3965651.1976	39+997.17	775828.2124	3965642.8049	40+023.40	775852.2124	3965652.4547	45.38	26.23	13.493	33.1165	N68° 05' 45.99"E
C1210	40+075.83	775904.4190	3965657.3397	40+070.51	775899.1195	3965656.8438	40+081.14	775909.6222	3965658.4615	89.32	10.63	5.323	6.8208	N81° 14' 38.14"E
C1211	40+117.13	775944.7994	3965666.0455	40+105.75	775933.6713	3965663.6464	40+127.83	775952.6551	3965674.2845	37.01	22.09	11.384	34.1977	N60° 44' 04.77"E
C1212	40+167.58	775980.0804	3965703.0478	40+153.91	775970.6515	3965693.1590	40+181.19	775988.0001	3965714.1821	190.34	27.28	13.664	8.2117	N39° 31' 47.76"E
C1213	40+214.54	776007.3270	3965741.3535	40+205.90	776002.3190	3965734.3128	40+223.09	776013.8837	3965746.9805	70.68	17.19	8.640	13.9396	N42° 23' 37.86"E
C1214	40+264.65	776045.4195	3965774.0447	40+254.05	776037.3778	3965767.1432	40+275.14	776051.6009	3965782.6522	88.35	21.09	10.597	13.6796	N42° 31' 25.77"E
C1215	40+330.74	776084.0333	3965827.8131	40+323.88	776080.0298	3965822.2384	40+337.60	776087.5492	3965833.7075	161.45	13.72	6.863	4.8685	N33° 14' 59.14"E
C1216	40+364.86	776101.5149	3965857.1208	40+357.49	776097.7366	3965850.7865	40+372.23	776105.6312	3965863.2410	271.85	14.75	7.376	3.1082	N32° 22' 10.60"E
C1217	40+428.80	776137.2021	3965910.1814	40+418.54	776131.4753	3965901.6666	40+437.73	776134.2986	3965920.0235	21.83	19.18	10.261	50.3600	N8° 44' 37.32"E
C1218	40+460.28	776127.9173	3965941.6547	40+452.05	776130.2454	3965933.7628	40+468.50	776125.1743	3965949.4123	310.44	16.45	8.228	3.0365	N17° 57' 16.47"W
C1219	40+508.93	776111.6990	3965987.5229	40+504.31	776113.2392	3965983.1670	40+507.66	776115.2743	3965984.5967	1.29	3.35	4.620	148.7708	N54° 54' 45.31"E
C1220	40+522.47	776126.7360	3965975.2161	40+518.80	776123.8990	3965977.5379	40+525.21	776129.8991	3965977.0691	5.27	6.41	3.666	69.6604	S85° 31' 55.88"E
C1221	40+546.30	776148.0956	3965987.7289	40+539.05	776141.8418	3965984.0654	40+553.50	776153.5635	3965992.4564	77.66	14.45	7.248	10.6637	N54° 18' 20.86"E
C1222	40+585.08	776177.3859	3966013.2139	40+564.76	776162.0520	3965999.8722	40+605.09	776196.0196	3966021.3327	132.19	40.34	20.326	17.4831	N57° 42' 55.85"E
C1223	40+626.24	776215.4030	3966029.7782	40+617.72	776207.5954	3966026.3763	40+634.67	776222.1994	3966034.9106	71.87	16.95	8.517	13.5166	N59° 41' 55.51"E
C1224	40+647.90	776232.7532	3966042.8807	40+643.60	776229.3234	3966040.2906	40+652.19	776236.3799	3966045.1970	106.85	8.59	4.298	4.6067	N55° 14' 37.64"E
C1225	40+682.15	776261.6619	3966061.2642	40+673.62	776254.4630	3966056.6863	40+690.47	776266.5873	3966068.2300	43.32	16.85	8.531	22.2841	N46° 24' 18.25"E
C1226	40+707.26	776276.2847	3966081.9450	40+703.56	776274.1438	3966078.9171	40+710.97	776278.6808	3966084.7753	85.14	7.41	3.708	4.9880	N37° 45' 25.22"E
C1227	40+716.60	776282.3224	3966089.0768	40+712.56	776279.7080	3966085.9886	40+720.61	776284.1214	3966092.7009	33.31	8.05	4.046	13.8512	N33° 19' 31.44"E
C1228	40+731.95	776289.1632	3966102.8575	40+727.70	776287.2724	3966099.0486	40+736.16	776291.8789	3966106.1299	36.50	8.47	4.252	13.2895	N33° 02' 40.30"E
C1229	40+740.82	776294.8540	3966109.7148	40+739.06	776293.7276	3966108.3575	40+742.56	776295.5545	3966111.3336	12.32	3.50	1.764	16.2890	N31° 32' 41.08"E
C1230	40+788.01	776313.6052	3966153.0457	40+776.17	776308.9028	3966142.1792	40+799.63	776314.4157	3966164.8582	69.00	23.45	11.840	19.4747	N13° 39' 46.36"E
C1231	40+822.60	776315.9889	3966187.7831	40+812.29	776315.2830	3966177.4963	40+832.35	776322.1303	3966196.0655	35.23	20.06	10.311	32.6312	N20° 14' 28.13"E
C1232	40+864.29	776341.1525	3966221.7194	40+859.45	776338.2716	3966217.8342	40+869.02	776345.2247	3966224.3294	26.37	9.57	4.837	20.7868	N46° 57' 00.62"E
C1233	40+877.63	776352.4745	3966228.9758	40+874.32	776349.6891	3966227.1906	40+880.93	776355.5023	3966230.3091	42.56	6.60	3.308	8.8906	N61° 47' 19.87"E
C1234	40+884.52	776358.7929	3966231.7581	40+881.89	776356.3797	3966230.6955	40+887.14	776360.9572	3966233.2644	27.21	5.26	2.637	11.0717	N60° 41' 53.86"E
C1235	40+897.29	776369.2849	3966239.0604	40+894.77	776367.2171	3966237.6212	40+899.51	776371.4389	3966240.3669	80.17	5.04	2.519	3.5999	N56° 57' 44.67"E
C1236	40+913.91	776383.4956	3966247.6795	40+905.62	776376.4076	3966243.3804	40+922.17	776391.1531	3966250.8550	108.81	16.55	8.290	8.7137	N63° 07' 09.14"E
C1237	40+936.64	776404.5204	3966256.3985	40+932.27	776400.4831	3966254.7242	40+940.53	776406.1183	3966260.4666	10.29	8.27	4.371	46.0311	N44° 27' 37.90"E
C1238	40+964.56	776414.9041	3966282.8335	40+954.20	776411.1152	3966273.1876	40+974.86	776420.5190	3966291.5439	104.18	20.66	10.363	11.3616	N27° 07' 32.89"E

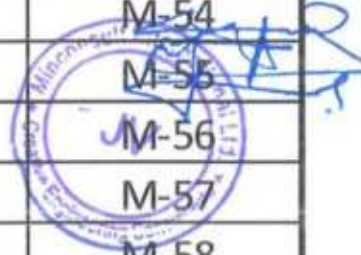
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Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

[Handwritten Signature]


 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.	a	AUG. 2024.	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S	HORIZONTAL CURVE DATA
	 CREATIVE ENGINEERING CONSULTANTS (CEC)	b		DRAWN: MANSOOR DURRANI	DATE:				
				CHECKED: SHAHZAD DURRANI	AUG.				

BENCH MARK				
1	754391.948	3941857.331	1302.512	M-1
2	754397.046	3941844.092	1303.947	M-2
3	755342.515	3942415.494	1356.815	M-3
4	755377.724	3942404.498	1363.044	M-4
5	755695.23	3942728.366	1443.985	M-5
6	755736.55	3942749.217	1447.832	M-6
7	756225.482	3942912.414	1498.819	M-7
8	756362.242	3943013.643	1469.557	M-8
9	756584.83	3942877.827	1462.371	M-9
10	757416.583	3943406.954	1411.551	M-10
11	757502.198	3943435.804	1411.415	M-11
12	758255.929	3943268.019	1436.97	M-12
13	758421.423	3943147.606	1440.288	M-13
14	758425.501	3943144.193	1440.758	M-14
15	759039.091	3943716.546	1468.327	M-15
16	759073.396	3943753.331	1465.051	M-16
17	759993.075	3944976.076	1517.475	M-17
18	760009.517	3944996.385	1517.392	M-18
19	760349.646	3946033.374	1557.077	M-19
20	760336.504	3946166.987	1555.307	M-20
21	761055.95	3947190.103	1582.699	M-21
22	761659.972	3947958.886	1632.165	M-22
23	761797.447	3948119.253	1642.117	M-23
24	762922.758	3949289.894	1671.904	M-24
25	762982.083	3949320.537	1677.633	M-25
26	764232.502	3949847.296	1715.453	M-26
27	764236.315	3949881.327	1715.465	M-27
28	764639.875	3951024.016	1758.267	M-28
29	764625.205	3951048.024	1757.58	M-29
30	764834.699	3951908.047	1773.38	M-30

BENCH MARK				
31	764897.15	3952041.514	1769.172	M-31
32	765296.99	3952797.188	1793.715	M-32
33	765353.588	3952887.184	1792.321	M-33
34	765495.768	3953614.578	1853.526	M-34
35	765475.971	3953672.864	1850.325	M-35
36	765508.977	3954440.189	1851.134	M-36
37	765493.09	3954505.654	1853.915	M-37
38	766631.14	3956087.702	1967.534	M-38
39	766686.181	3956124.014	1971.155	M-39
40	767536.256	3956555.531	2021.506	M-40
41	767566.663	3956562.085	2021.868	M-41
42	768711.332	3957658.04	2107.676	M-42
43	768760.794	3957652.571	2106.549	M-43
44	770648.994	3958586.277	2194.185	M-44
45	770672.966	3958592.244	2192.746	M-45
46	771046.317	3959109.812	2228.818	M-46
47	771064.135	3959143.907	2231.582	M-47
48	771696.526	3960206.136	2320.069	M-48
49	771727.63	3960230.991	2322.869	M-49
50	772555.11	3961118.873	2424.507	M-50
51	772559.132	3961168.208	2434.336	M-51
52	772874.008	3961533.259	2474.361	M-52
53	772906.608	3961560.914	2478.139	M-53
54	773311.38	3962396.551	2499.572	M-54
55	773332.615	3962409.231	2500.601	M-55
56	773936.301	3963280.057	2575.537	M-56
57	773978.243	3963301.472	2576.565	M-57
58	775386.526	3965064.978	2711.275	M-58
59	775388.133	3965097.456	2714.243	M-59



Project Director (PIU)
Provincial Road 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	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING	0	AUG. 2024	TENDER DRAWINGS	G. DESIGNED	MANSOOR DURRANI	N-CHT-1 SHESHA TO MADALCASHT C&W DEPARTMENT PESHAWAR	N.T.S	LIST OF BENCH MARKS
		0			DRAWN	MANSOOR DURRANI		DATE:	
		b			CHECKED	SHAHZAD DURRANI		AUG.	

KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)

MADAKLASHT ROAD



EXISTING CULVERT, BRIDGES & CAUSEWAY

S. No.	Location (Km)	Type of Structure	Existing Structures		Proposed / Recommended						Remarks
			No of Cells / Spans	Size (W x H) (m)	Replaced			New			
					No. of Cells	Type	Size W x H (m)	No. of Cells	Type	Size W x H (m)	
1	0+325							CULVERT		2X2	PROPOSED
2	0+400							CULVERT		1X1	PROPOSED
3	0+810	BOX CULVERT									
4	0+984 TO 0+991							CAUSEWAY		7M	PROPOSED
5	1+325							CULVERT		1X1	PROPOSED
6	1+333	BOX CULVERT									
7	1+425							CULVERT		5X2	PROPOSED
8	1+684	PIPE CULVERT									
9	1+845	PIPE CULVERT									
10	1+945	PIPE CULVERT									
11	2+059	BOX CULVERT									
12	2+150								CULVERT		PROPOSED
13	2+225	WALL									
14	2+300								CULVERT		
15	2+400								CULVERT	2X1	PROPOSED
16	2+475								CULVERT	2X2	PROPOSED
17	2+504	BOX CULVERT									
18	2+380 To 3+392								CAUSEWAY	12M	PROPOSED
19	2+561								CULVERT		PROPOSED
20	2+587								CULVERT		PROPOSED
21	3+494								CULVERT		PROPOSED
22	3+575								CAUSEWAY		PROPOSED
23	3+583								CULVERT		PROPOSED
24	3+675								CULVERT		PROPOSED
25	3+759								CULVERT		PROPOSED
26	3+818								CULVERT		PROPOSED
27	4+071								CULVERT		PROPOSED
28	4+329								CULVERT		PROPOSED
29	4+387								CULVERT		PROPOSED
30	4+690 TO 4+698								CAUSEWAY	8M	PROPOSED
31	4+975								CULVERT		PROPOSED
32	5+021 TO 5+028								CAUSEWAY	7M	PROPOSED
33	5+100								CAUSEWAY		PROPOSED
34	5+281 TO 5+296								CAUSEWAY		PROPOSED
35	5+411	PIPE CULVERT									
36	5+412 TO 5+424								CAUSEWAY		PROPOSED
37	5+514 TO 5+521								CAUSEWAY		PROPOSED
38	5+565	BOX CULVERT									
39	5+761 TO 5+775								CAUSEWAY		PROPOSED
40	5+883 TO 5+897								CAUSEWAY		PROPOSED

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Project Director (PIU)
Rural Road Improvement Project
CSW Department Peshawar

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 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
	 MINCONSULT SDN BHD (COMPANY NO. 56835-P) J.V. CREATIVE ENGINEERING	0	AUG, 2024,	TENDER DRAWINGS	G.DESIGNED MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT ROAD AFFECTED ROAD	N.T.S	STRUCTURES INVENTORY
		1			DRAWN MANSOOR DURRANI			DATE:	
		2			CHECKED SHAHZAD DURRANI			AUG,	

KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)

MADAKLASHT ROAD

EXISTING CULVERT, BRIDGES & CAUSEWAY

S. No.	Location (Km)	Type of Structure	Existing Structures		Proposed / Recommended						Remarks
			No of Cells / Spans	Size (W x H) (m)	Replaced			New			
					No. of Cells	Type	Size W x H (m)	No. of Cells	Type	Size W x H (m)	
81	14050-14070								CAUSEWAY	20M	CAUSEWAY
82	14400-14420								CAUSEWAY	20M	CAUSEWAY
83	14+500								SLAB CULVERT	1.5X1.5	SLAB
84	14600-14625								CAUSEWAY	25M	CAUSEWAY
85	14750-								CAUSEWAY	15M	CAUSEWAY
86	15025-1545								CAUSEWAY	20M	CAUSEWAY
87	15175-15195								CAUSEWAY	20M	CAUSEWAY
88	15+725								SLAB CULVERT	1.5X1.5	SLAB
89	15+900								SLAB CULVERT	1.5X1.5	SLAB
90	136325-16350								CAUSEWAY	25M	CAUSEWAY
91	16450-16470								CAUSEWAY	20M	CAUSEWAY
92	16975-17100								CAUSEWAY	25M	CAUSEWAY
93	17+375								SLAB CULVERT	1.5X1.5	SLAB
94	17+450								SLAB CULVERT	1.5X1.5	SLAB
95	17+500								SLAB CULVERT	1.5X1.5	SLAB
96	17+575								SLAB CULVERT	1.5X1.5	SLAB
97	17+650								SLAB CULVERT	1.5X1.5	SLAB
98	17+700								SLAB CULVERT	1.5X1.5	SLAB
99	17+750								SLAB CULVERT	1.5X1.5	SLAB
100	18+875								SLAB CULVERT	1.5X1.5	SLAB
101	18425-18450								CAUSEWAY	25M	CAUSEWAY
102	19500-19520								CAUSEWAY	20M	CAUSEWAY
103	19+750								SLAB CULVERT	1.5X1.5	SLAB
104	19925-19940								CAUSEWAY	20M	CAUSEWAY
105	20+000								SLAB CULVERT	1.5X1.5	SLAB
106	20+150								SLAB CULVERT	1.5X1.5	SLAB
107	20+350								SLAB CULVERT	1.5X1.5	SLAB
108	20+525								SLAB CULVERT	1.5X1.5	SLAB
109	20+575								SLAB CULVERT	1.5X1.5	SLAB
110	20+725								SLAB CULVERT	1.5X1.5	SLAB
111	21375-21425								CAUSEWAY	50M	CAUSEWAY
112	21+525								SLAB CULVERT	1.5X1.5	SLAB
113	23200-23215								CAUSEWAY	15M	CAUSEWAY
114	23+375								SLAB CULVERT	1.5X1.5	SLAB
115	23565-23580								CAUSEWAY	15M	CAUSEWAY
116	22+580								SLAB CULVERT		SLAB
117	22+870								SLAB CULVERT		SLAB
118	23+380								CAUSEWAY		CUSWAY
119	23+625								SLAB CULVERT		SLAB
120	23+840								SLAB CULVERT		SLAB

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

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 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	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	0	AUG, 2024	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT FLOOD AFFECTED ROAD	N.T.S DATE: AUG,	STRUCTURES INVENTORY
					DRAWN: MANSOOR DURRANI				
					CHECKED: SHAHZAD DURRANI				

KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)

MADAKLASHT ROAD


EXISTING CULVERT, BRIDGES & CAUSEWAY

S. No.	Location (Km)	Type of Structure	Existing Structures		Proposed / Recommended						Remarks
			No of Cells / Spans	Size (W x H) (m)	Replaced			New			
					No. of Cells	Type	Size W x H (m)	No. of Cells	Type	Size W x H (m)	
121	24+260									CAUSEWAY	CUSWAY
122	24+500									SLAB CULVERT	SLAB
123	24+540									SLAB CULVERT	SLAB
124	24+590									SLAB CULVERT	SLAB
125	24+630									SLAB CULVERT	SLAB
126	25+070									SLAB CULVERT	SLAB
127	25+750									SLAB CULVERT	SLAB
128	25+790									SLAB CULVERT	SLAB
129	25+930									SLAB CULVERT	SLAB
130	26+950									SLAB CULVERT	SLAB
131	27+240									SLAB CULVERT	SLAB
132	27+500									SLAB CULVERT	SLAB
133	27+635									SLAB CULVERT	SLAB
134	27+770									SLAB CULVERT	SLAB
135	28+190									SLAB CULVERT	SLAB
136	28+570									SLAB CULVERT	SLAB
137	28+630									SLAB CULVERT	SLAB
138	28+980									SLAB CULVERT	SLAB
139	29+100									SLAB CULVERT	SLAB
140	29+340									SLAB CULVERT	SLAB
141	29+625									SLAB CULVERT	SLAB
142	29+720									SLAB CULVERT	SLAB
143	29+760									SLAB CULVERT	SLAB
144	29+860									SLAB CULVERT	SLAB
145	30+075									SLAB CULVERT	SLAB
146	30+200									SLAB CULVERT	SLAB
147	30+516/30+531									BRIDGE	BRIDGE
148	30+850									SLAB CULVERT	SLAB
149	30+970									SLAB CULVERT	SLAB
150	31+050									SLAB CULVERT	SLAB
151	31+100									SLAB CULVERT	SLAB
152	31+325									SLAB CULVERT	SLAB
153	31+445									SLAB CULVERT	SLAB
154	31+585									SLAB CULVERT	SLAB
155	31+775									SLAB CULVERT	SLAB
156	31+850									SLAB CULVERT	SLAB
157	32+335									CAUSEWAY	CUSWAY
158	32+790									SLAB CULVERT	SLAB
159	33+080									SLAB CULVERT	SLAB
160	33+190									SLAB CULVERT	SLAB



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



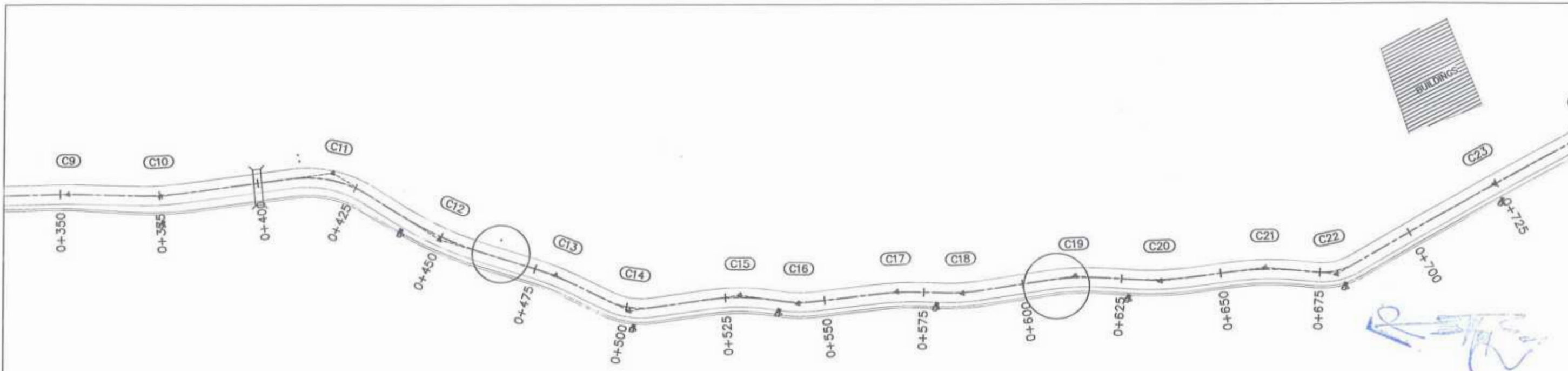
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT	DESIGN CONSULTANT: (MIN - JV - CEC)  MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		01	AUG, 2024.	TENDER DRAWINGS	G. DESIGNED: MANSOOR DURRANI DRAWN: MANSOOR DURRANI CHECKED: SHAHZAD DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 SHESHA TO MADALCASHT	N.T.S	STRUCTURES INVENTORY
		02						DATE:	
		03						AUG.	



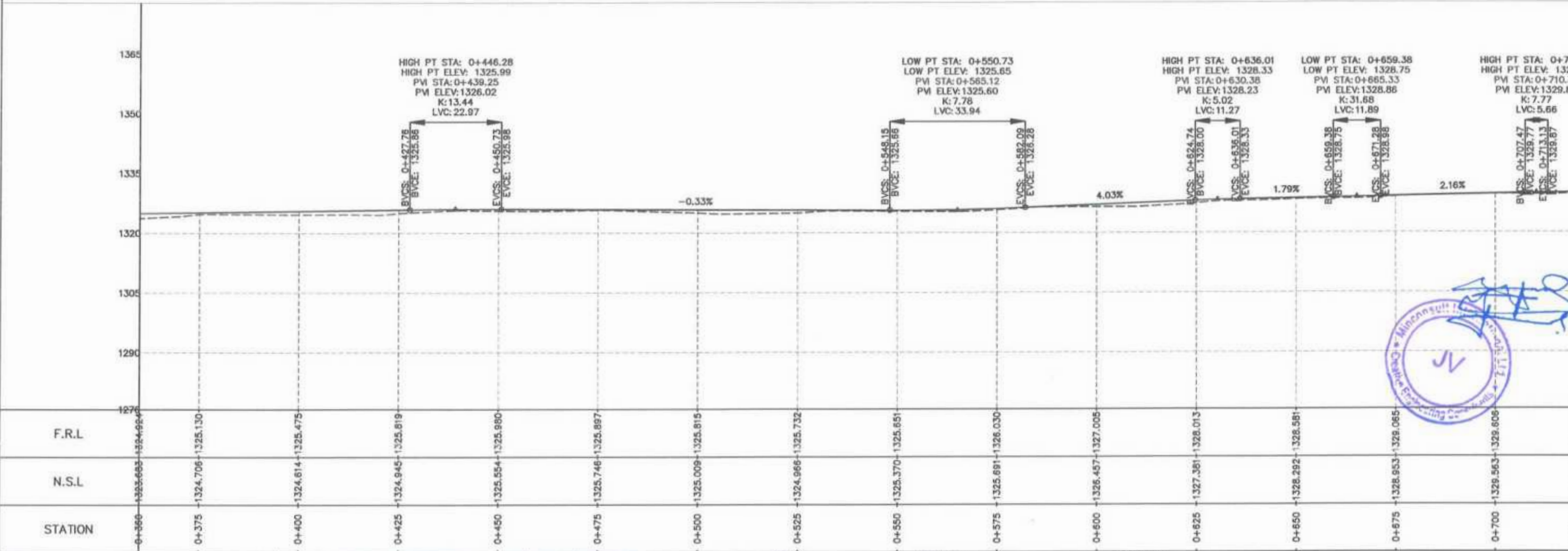
Project Director (PIU)
Provincial Road Improvement Project
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PLAN & PROFILE DRAWINGS



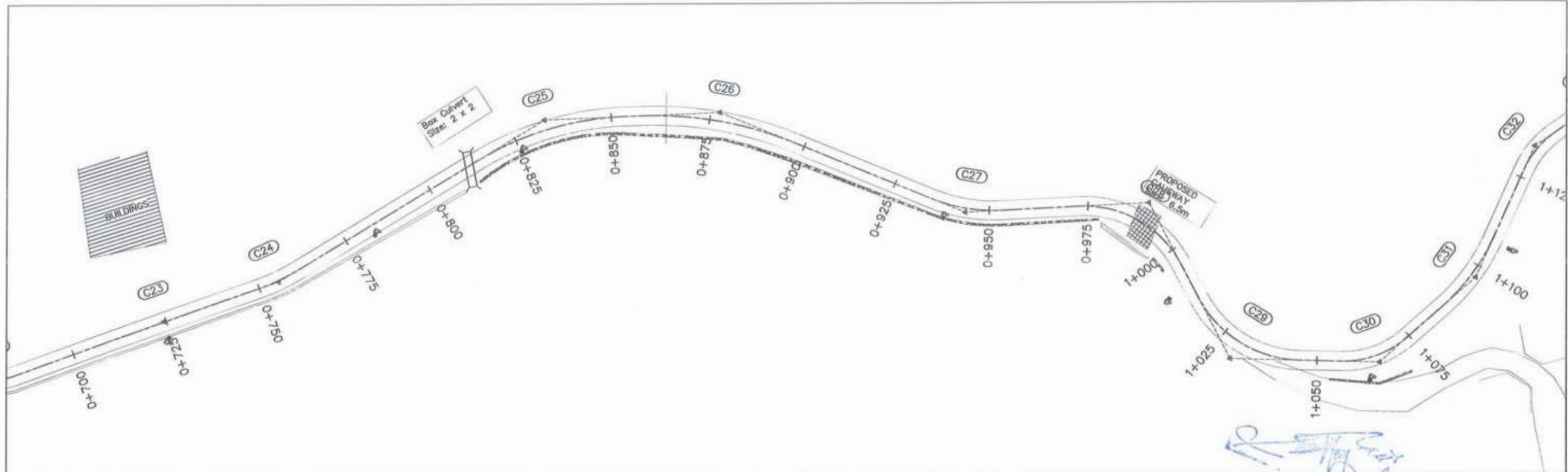


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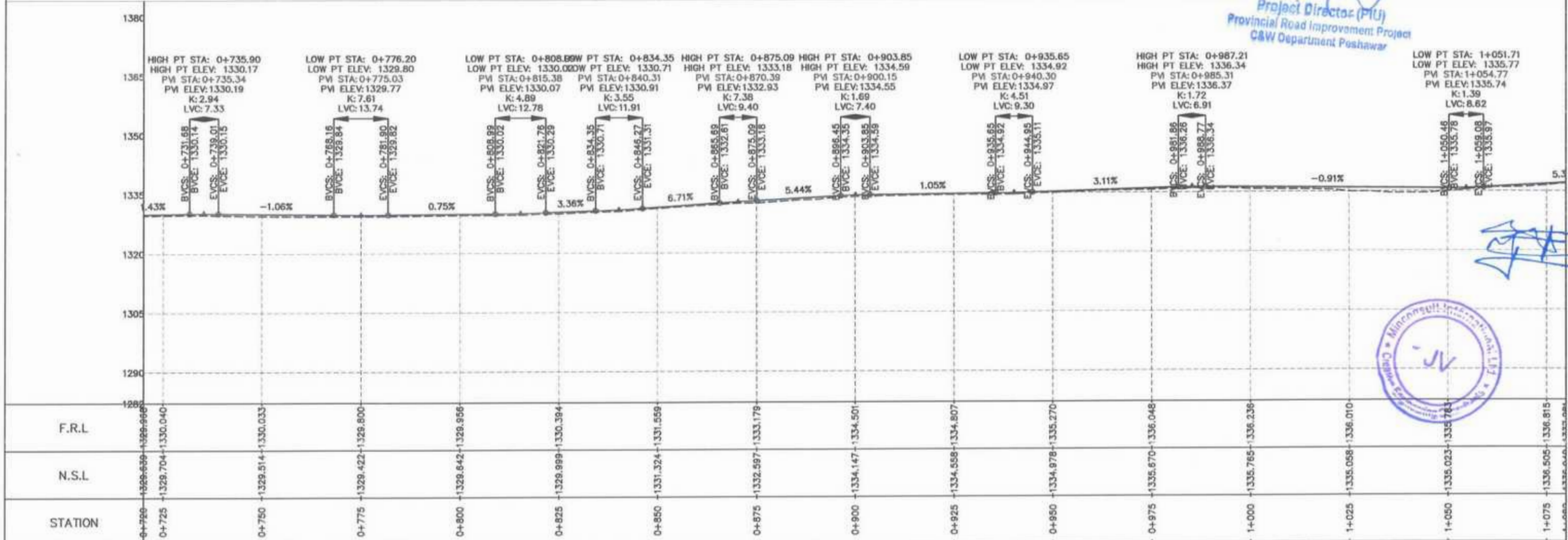


MINCONSULT ENGINEERING
 Peshawa, Pakistan

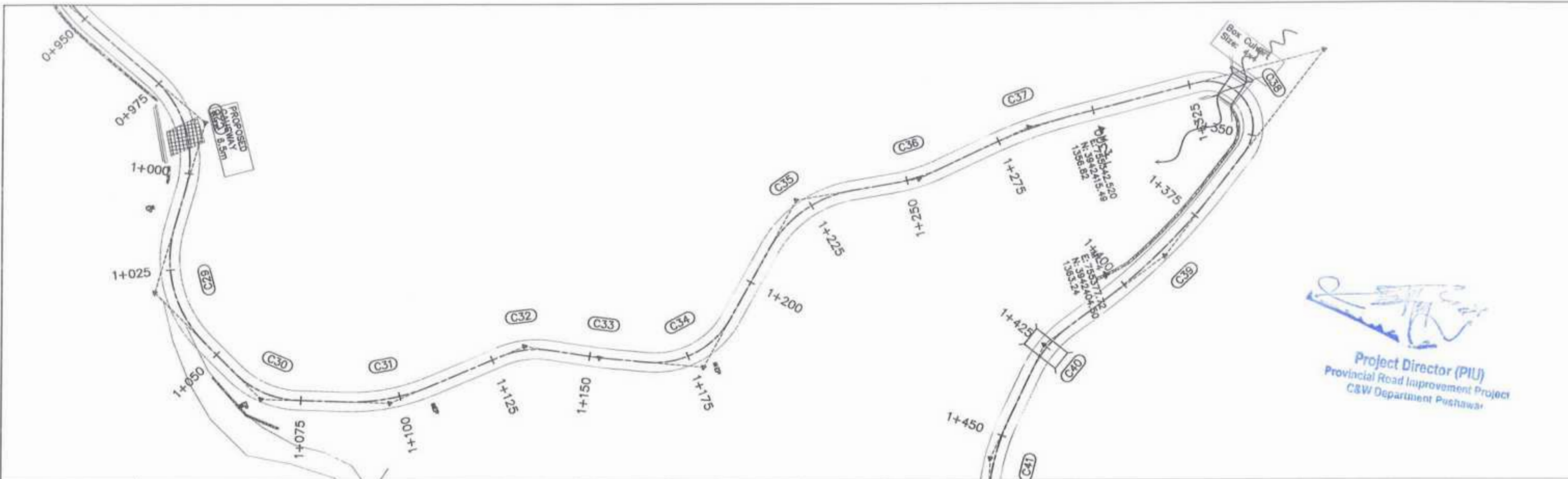
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI				
e			DRAWN	MANSOOR						
b			CHECKED	S-DURRANI						
-			APPROVED	AQEEL YOUNIS						



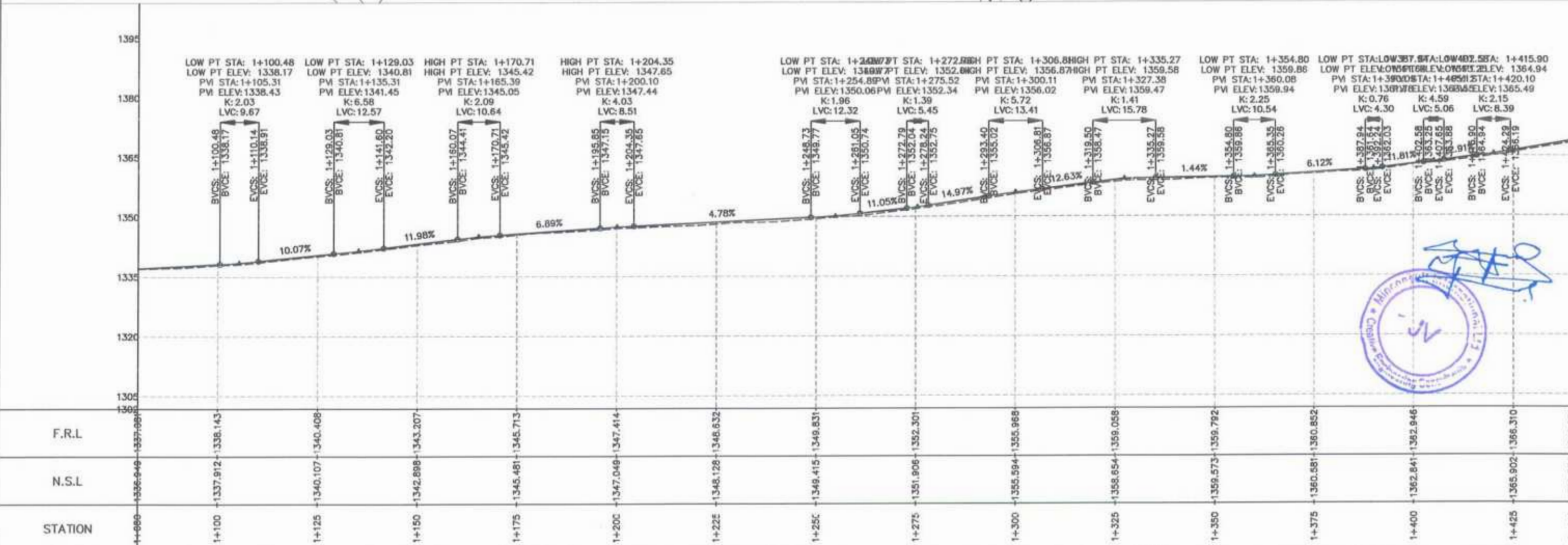
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



<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			S-DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000
		a			DRAWN			MANSOOR				DATE:
		b			CHECKED			S-DURRANI				Aug 2024
c			APPROVED	AGEEL YOUNIS	DWG NO: CEC/RW/KP-RRDP/N-CHT-1/PP/ 3							

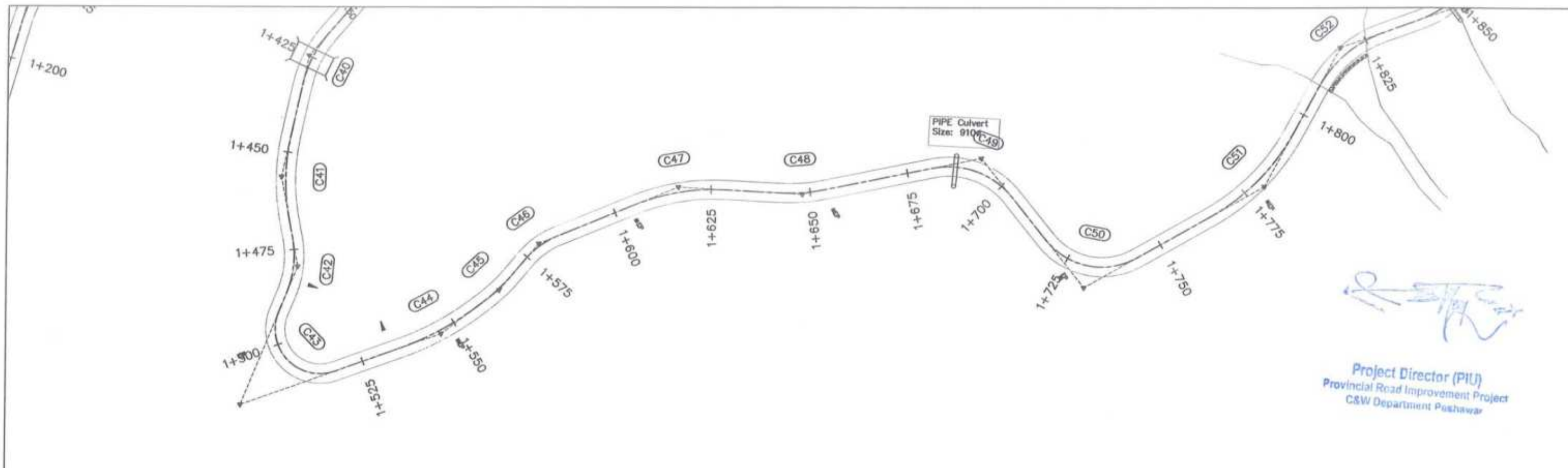


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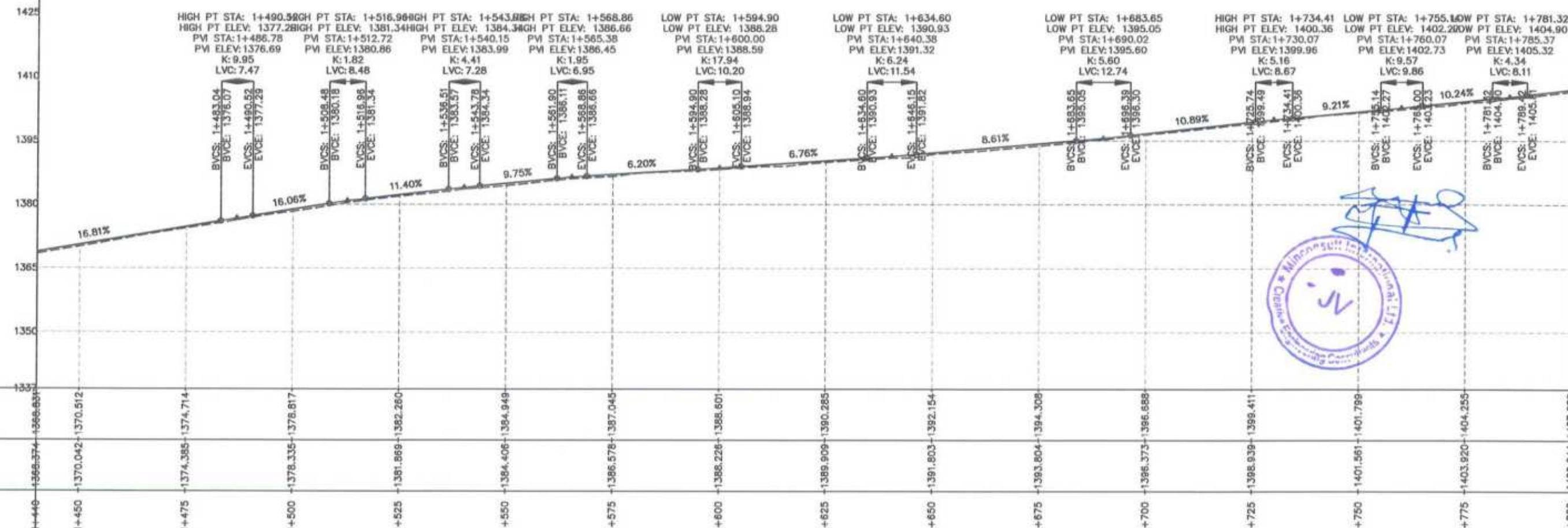


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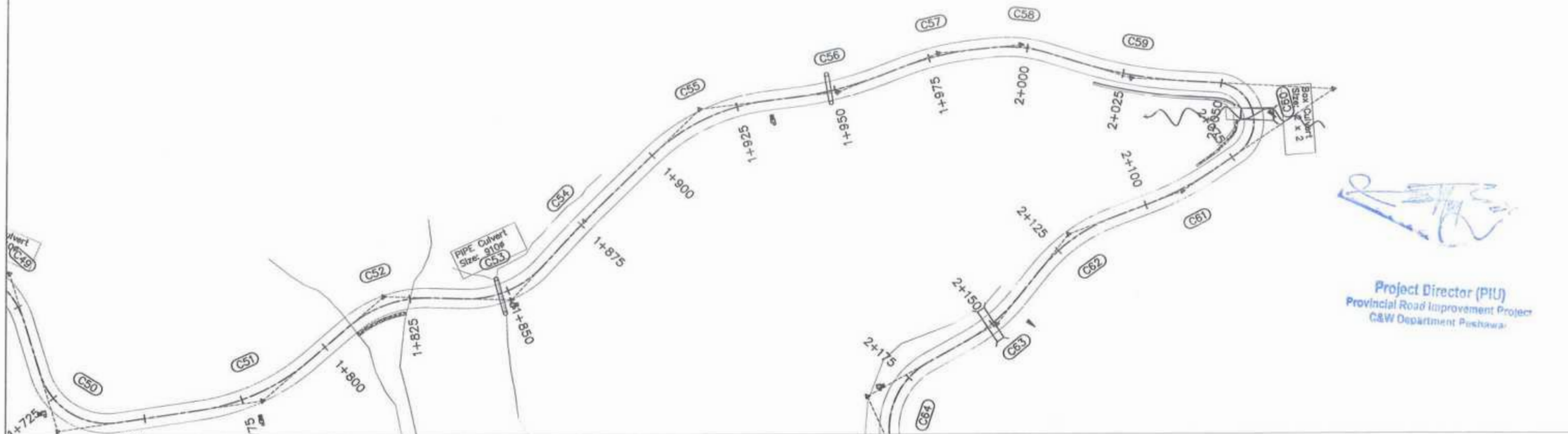
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 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI	N-CHT-1 Shesha To Madalcahit Flood Affected	H=1:1000	PLAN & PROFILE 1+080.00 - 1+440.00
		a			DRAWN	MANSOOR			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
						KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:	DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/ 4



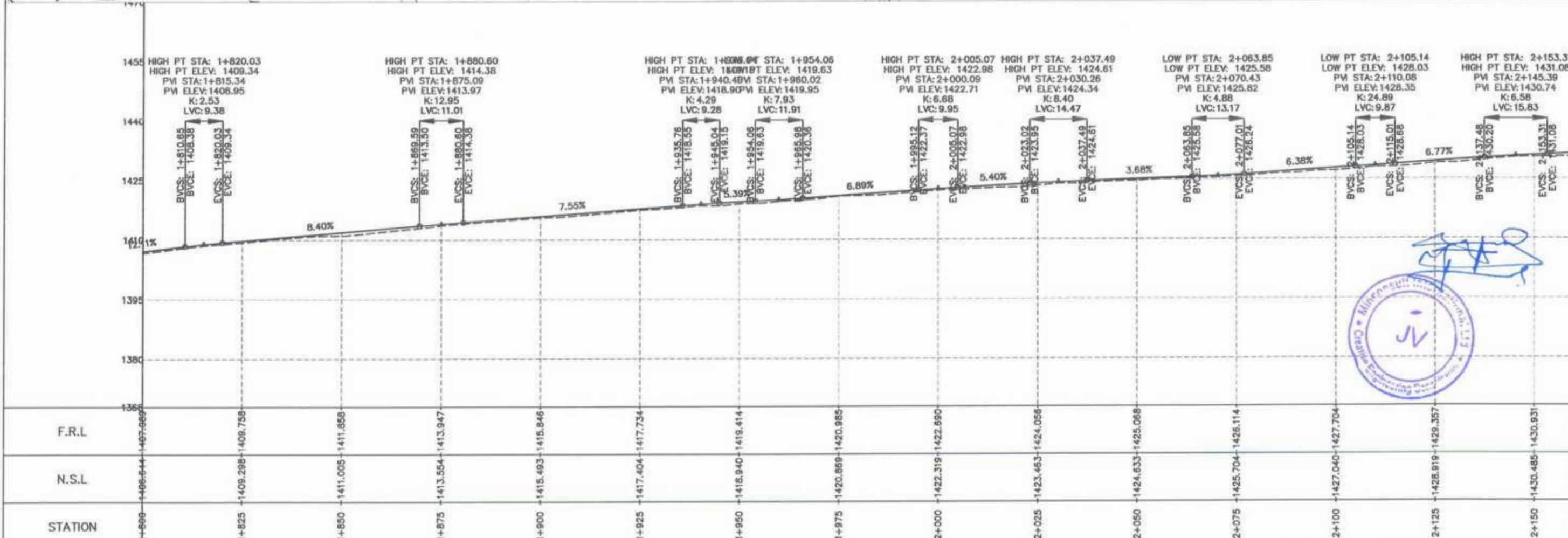
Project Director (PIU)
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 C&W Department Peshawar



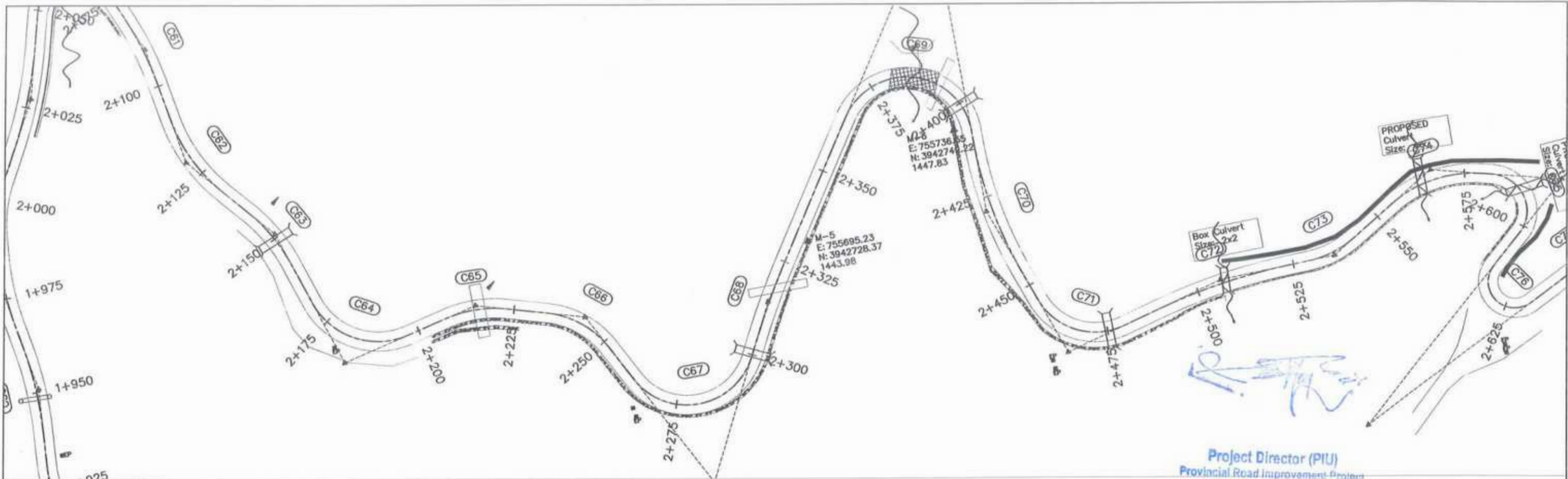
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-1 Shesha To Madalcahst Flood Affected	SCALE:	SHEET CONTENT: PLAN & PROFILE 1+440.00 - 1+800.00 DWG NO: CEC/RW/KP-RRDP/N-CHT-1/PP/ 5
		a			DRAWN	MANSOOR		DATE:	
		b			CHECKED	S-DURRANI		Aug 2024	
		c			APPROVED	AQEEL YOUNIS			



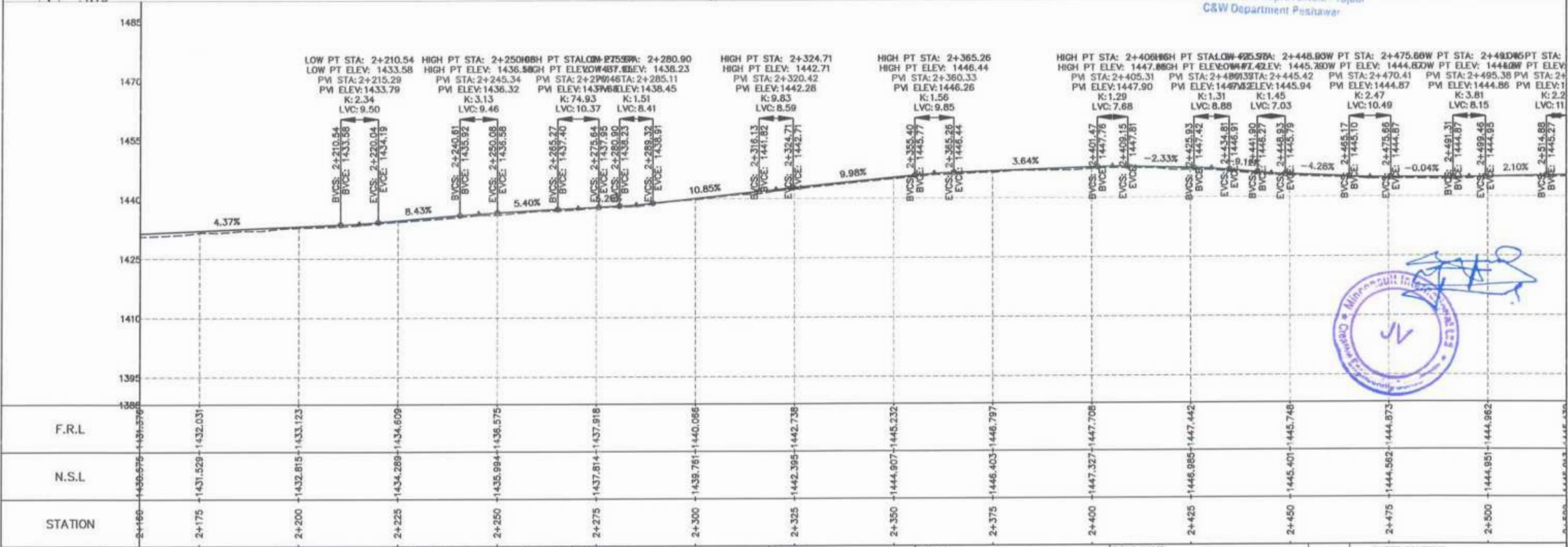
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



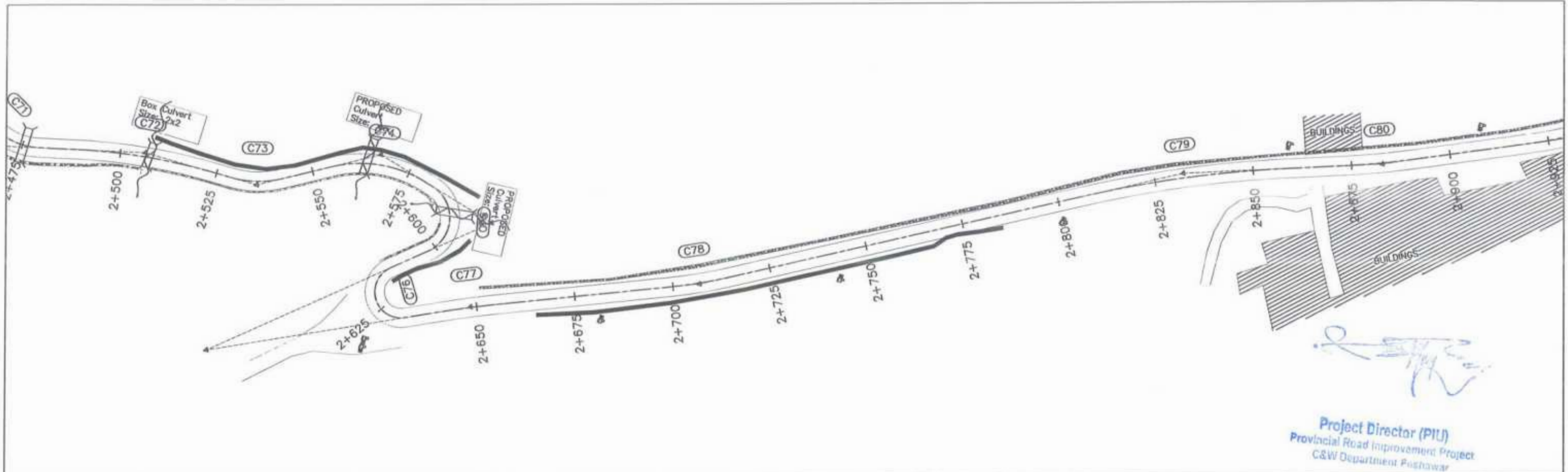
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 Shesha To Madacastht Flood Affected	H=1:1000
		a			DRAWN	MANSOOR						DATE:
		b			CHECKED	S-DURRANI						Aug 2024
c			APPROVED	ADEEL YOUNIS	DWG NO: CEC/HWP/RRDP/N-CHT-1/PP/ 6							



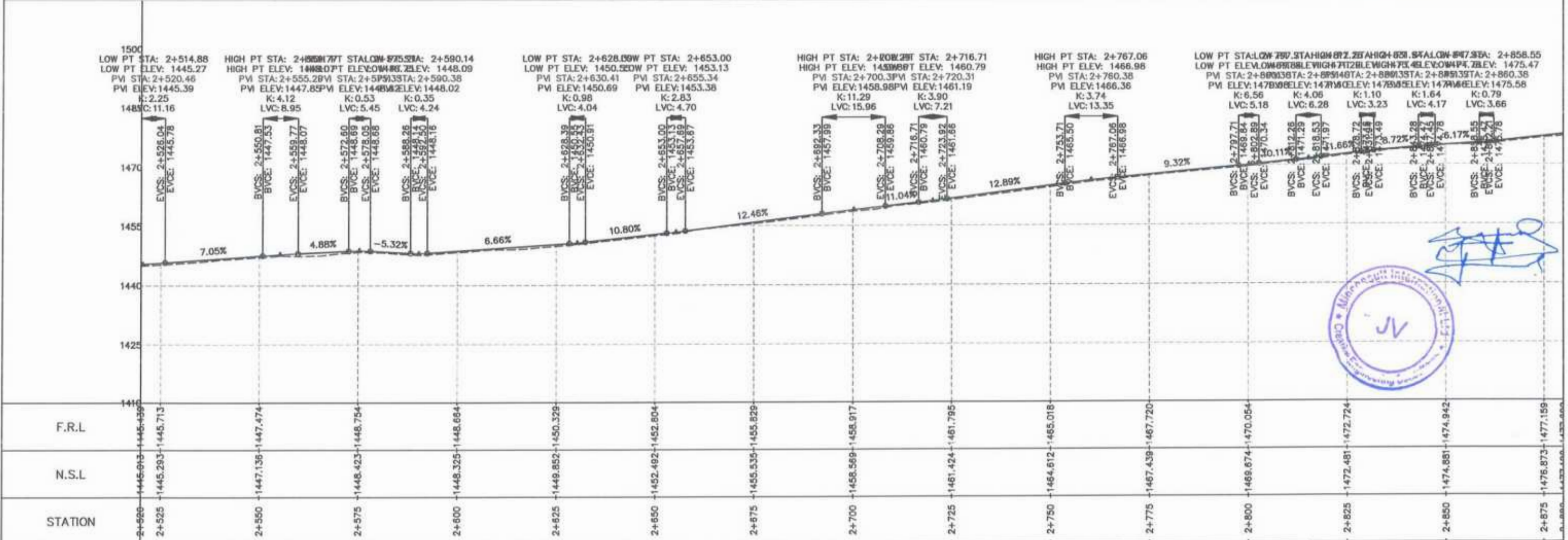
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



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	S-DURRANI	N-CHT-1 Shesha To Madalcash Flood Affected	H=1:1000	PLAN & PROFILE 2+160.00 - 2+520.00 DWG NO: CEC/MW/KP-RRDP/N-CHT-1/PP/ 7	
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024
		c			APPROVED	AQEEL YOUNIS				



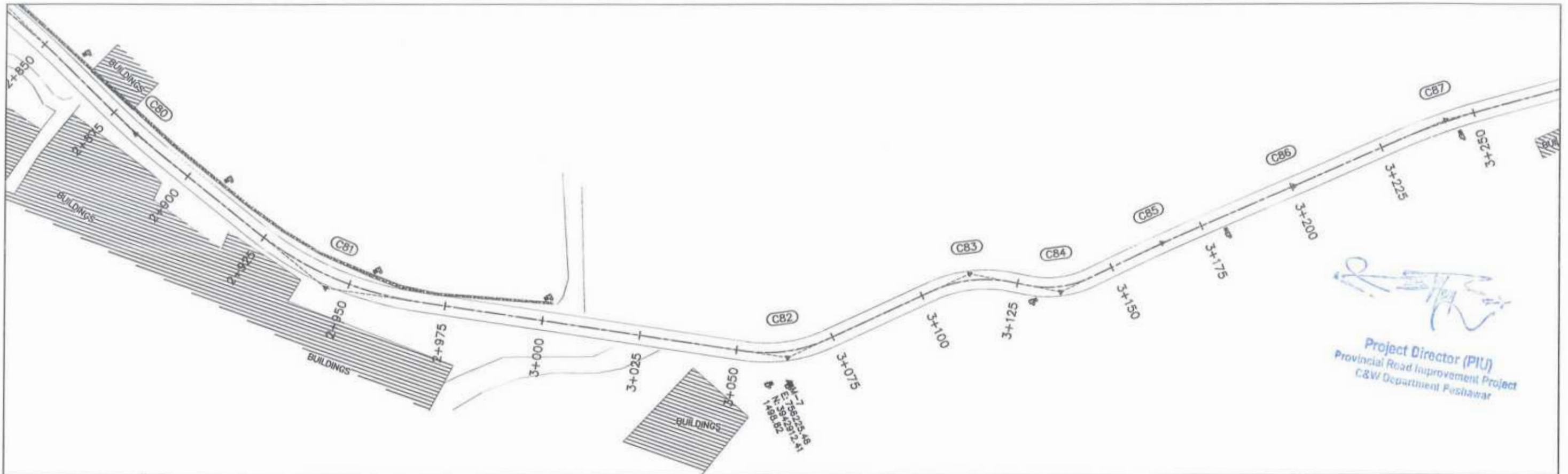
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



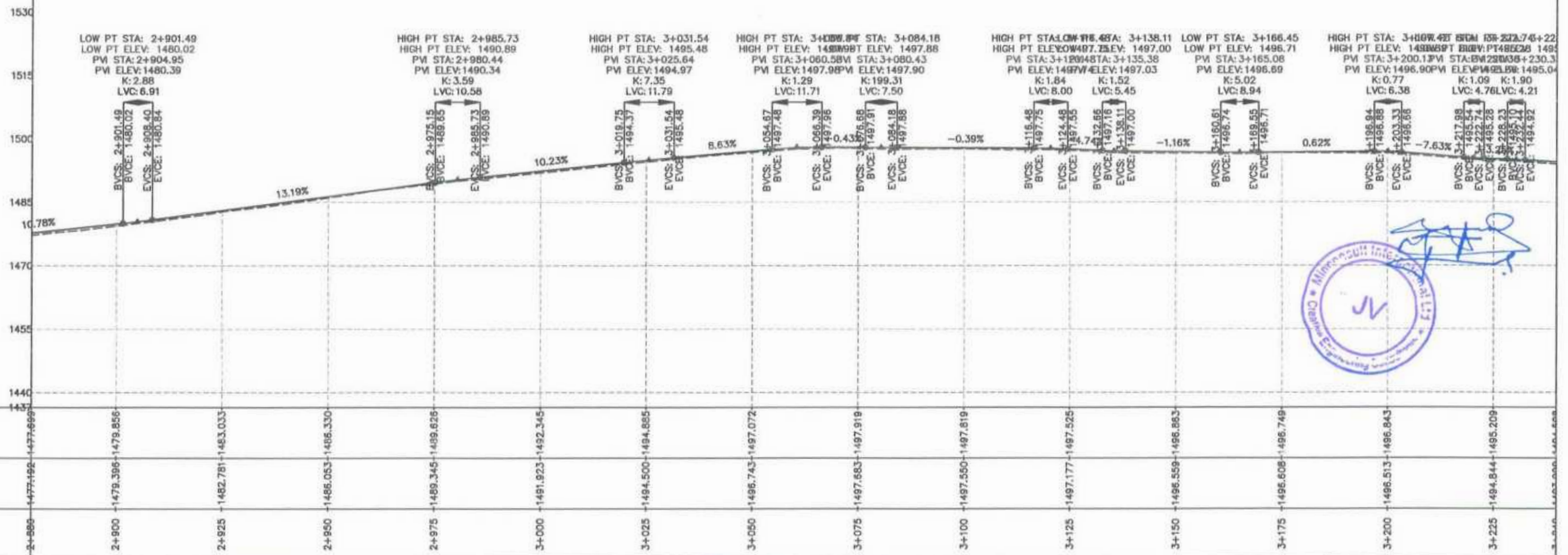
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CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	N-CHT-1	H=1:1000	PLAN & PROFILE 2+520.00 - 2+880.00
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	
		b			CHECKED	S-DURRANI	Flood Affected		Aug 2024
		c			APPROVED	AQEEL YOUNIS			DWG NO: CEC/HW/KP-RRDP/IN-CHT-1/PP/ 8

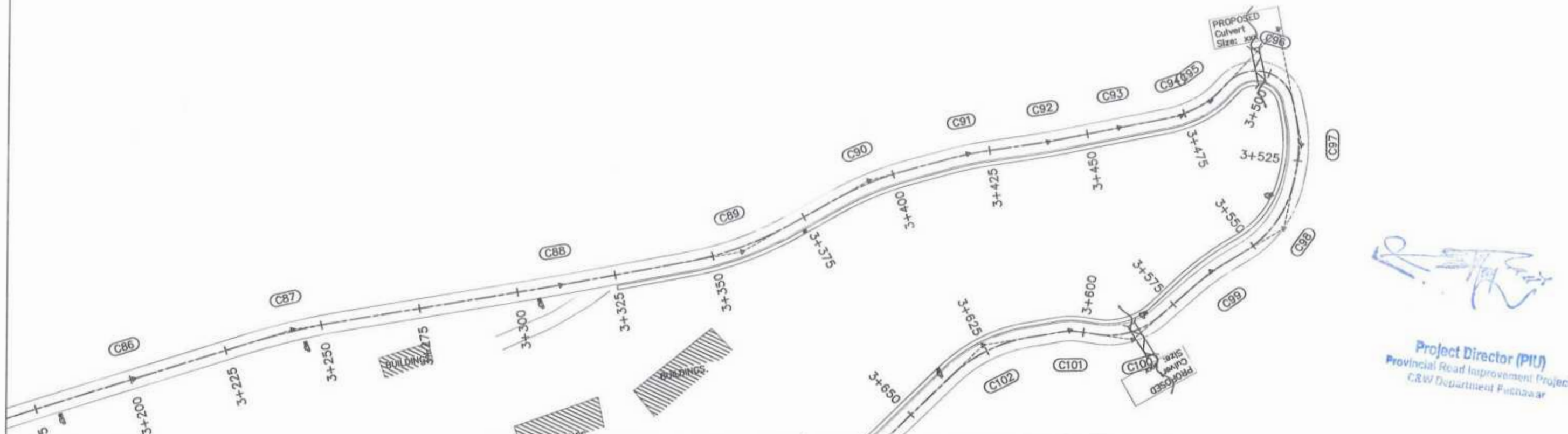


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

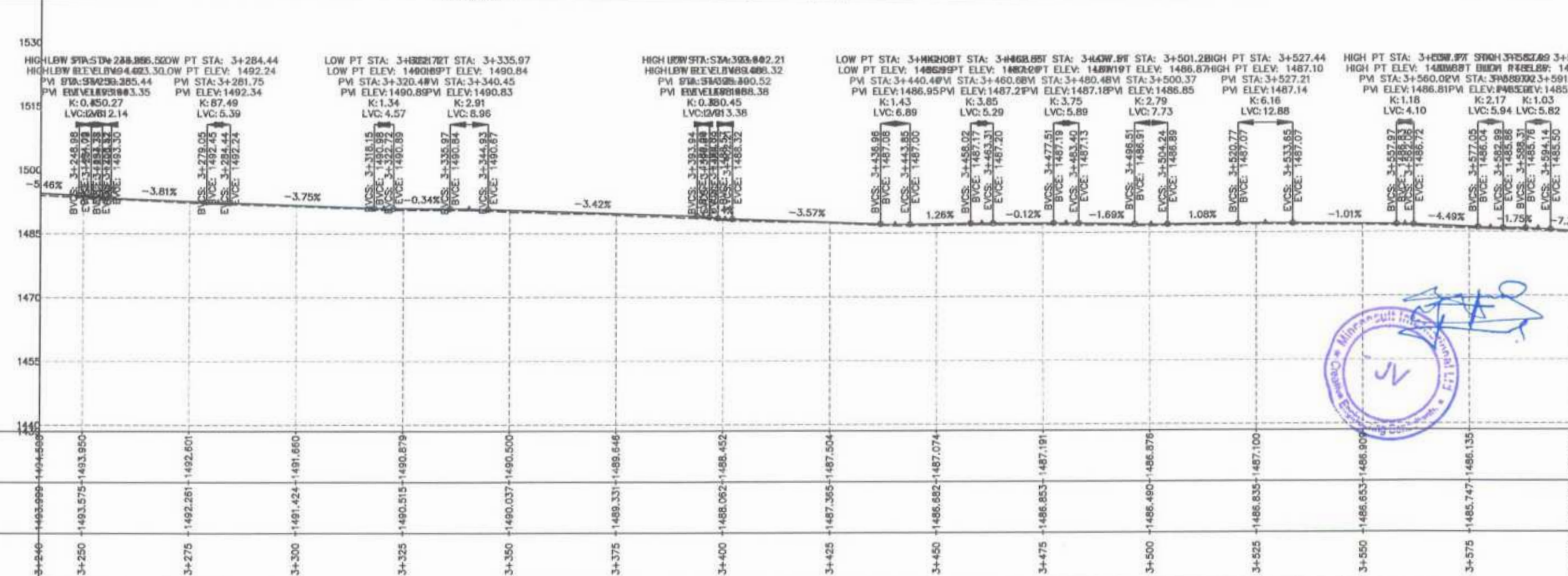


Signature and Stamp of the Project Director (PIU)

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: S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 2+880.00 - 3+240.00
		e			DRAWN: MANSOOR			DATE: Aug 2024	
		b			CHECKED: S-DURRANI			DWG NO: CECARWR/RRDP/NCHT-1/01	
					APPROVED: AFOEL YOUSUF				

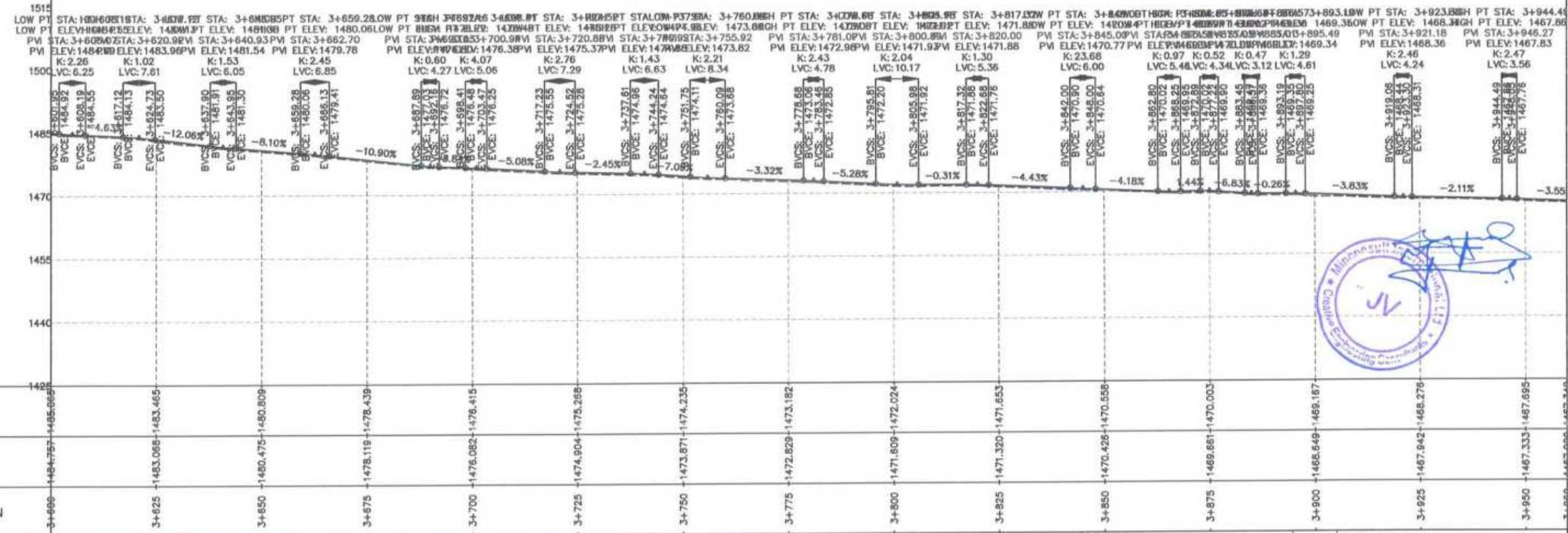
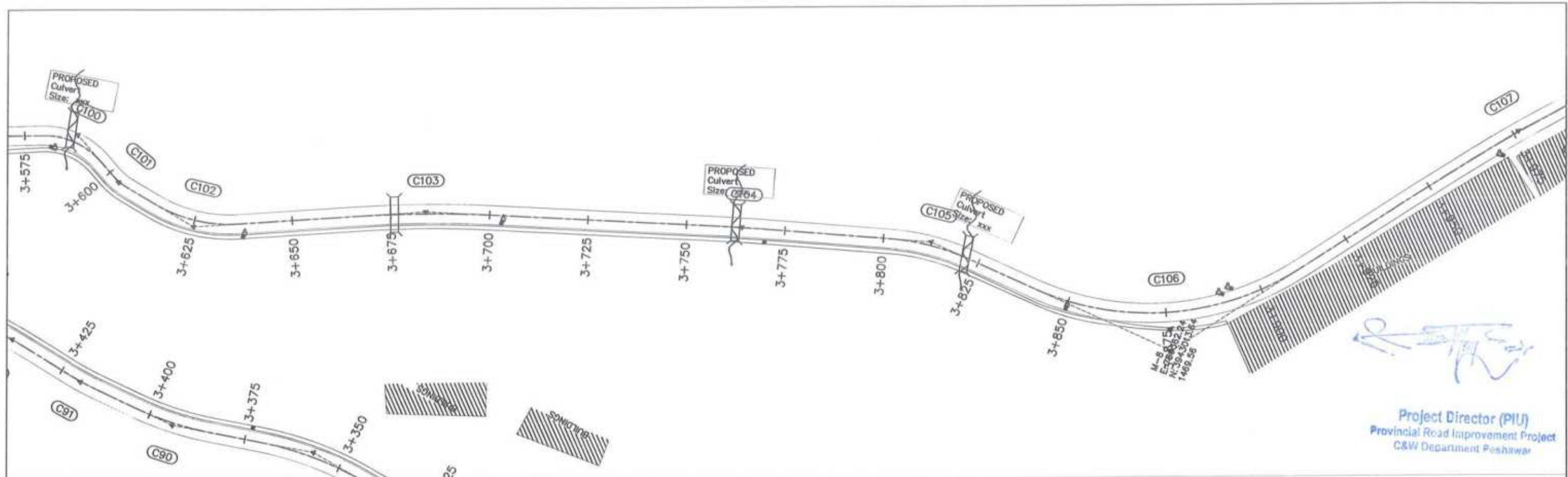


Project Director (PIU)
 Provincial Road Improvement Project
 C.R.V Department Peshawar

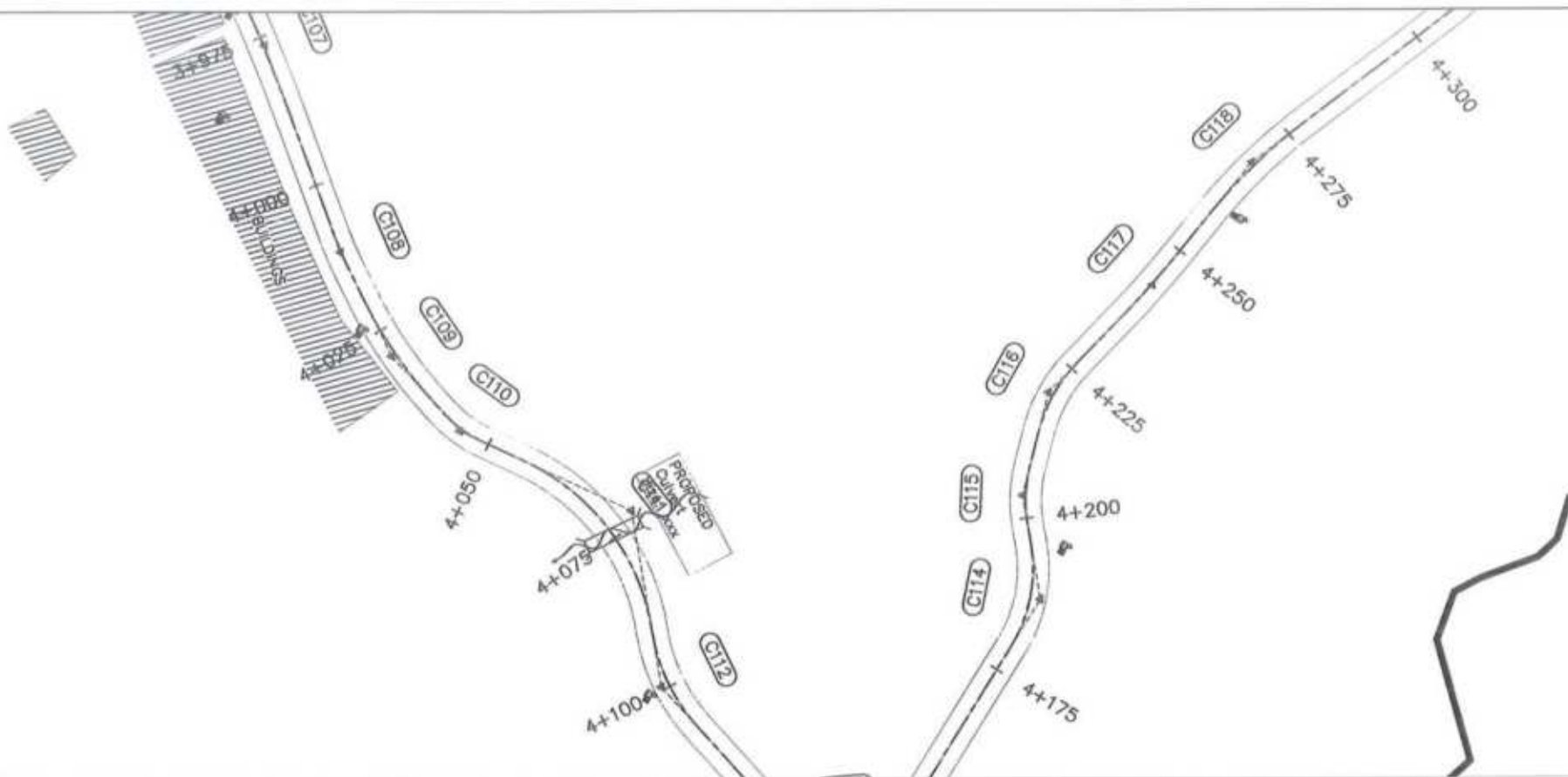


Minerals and Geology
 Environmental Engineering
 Peshawar

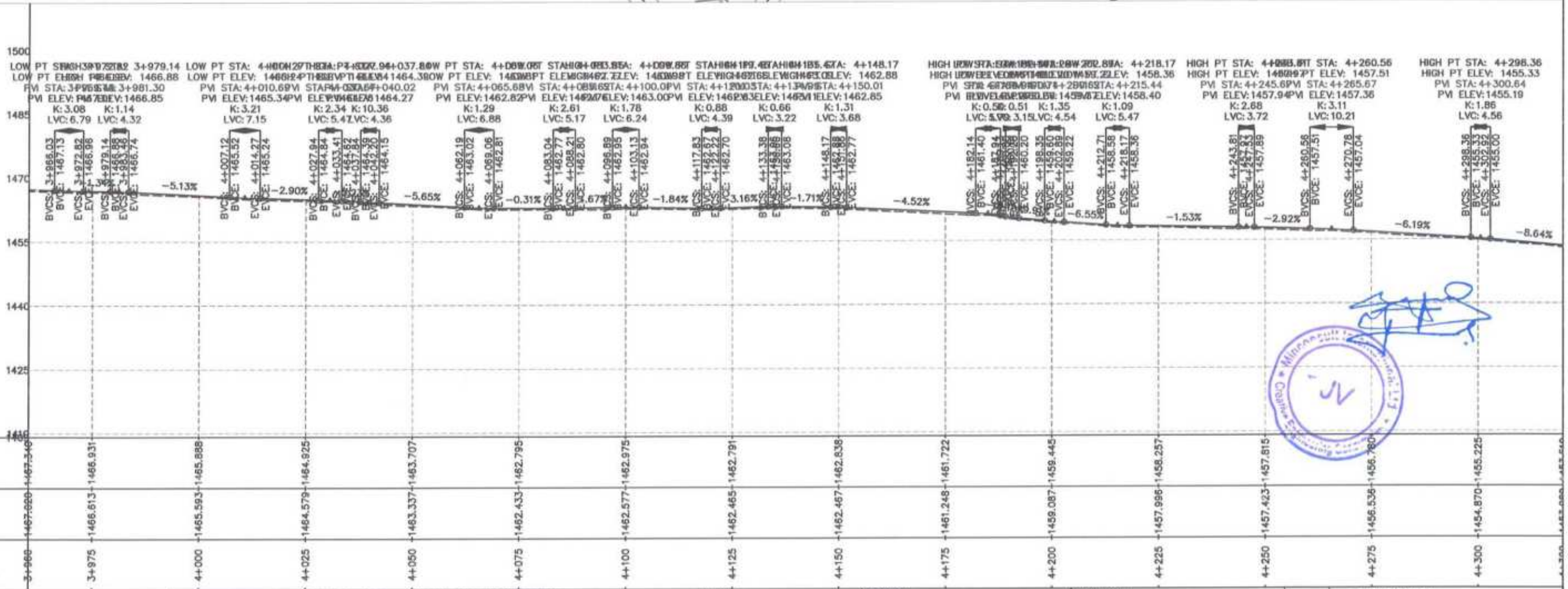
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000
		a			DRAWN	MANSOOR						DATE:
		b			CHECKED	S-DURRANI						Aug 2024
			APPROVED	AQEEL YOUNIS	DWG NO: CECA/HR/KP-RRDP/N-CHT-1/PP/ 10							



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	N-CHT-1 Shesha To Madalcashat Flood Affected	H=1:1000	PLAN & PROFILE 3+600.00 - 3+960.00 DWG NO: CEC/HWKP-RRDP/N-CHT-1/PP/ 11	
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024
		-			APPROVED	AGEEL YOUNIS				

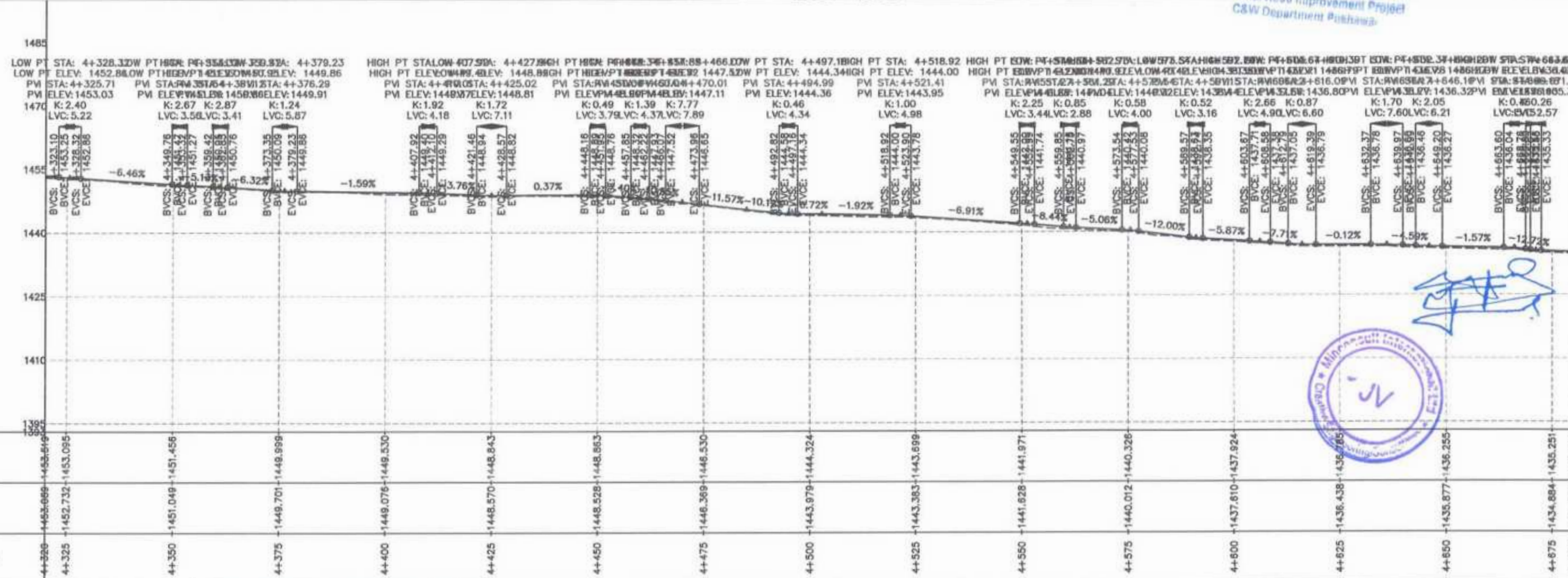
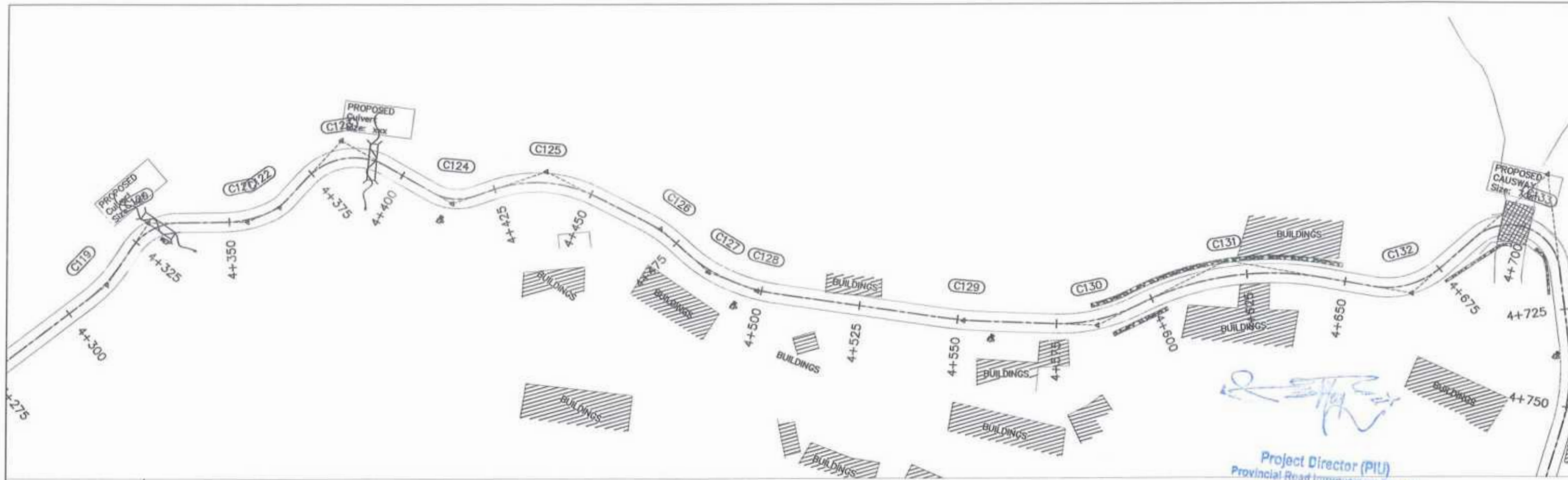



Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

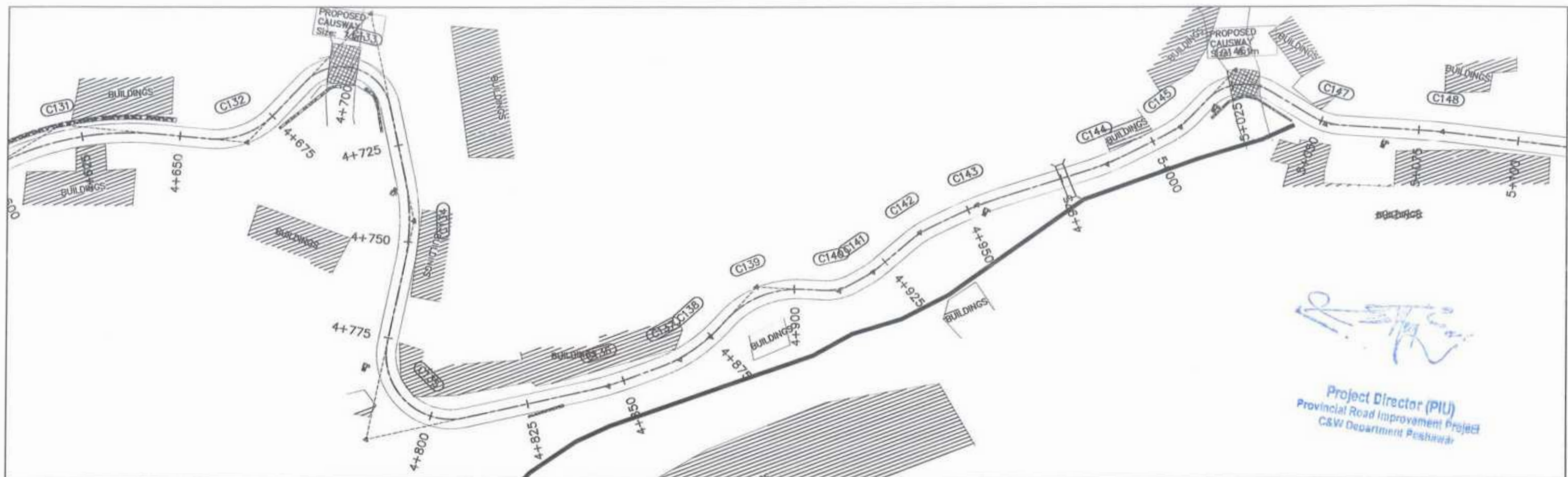




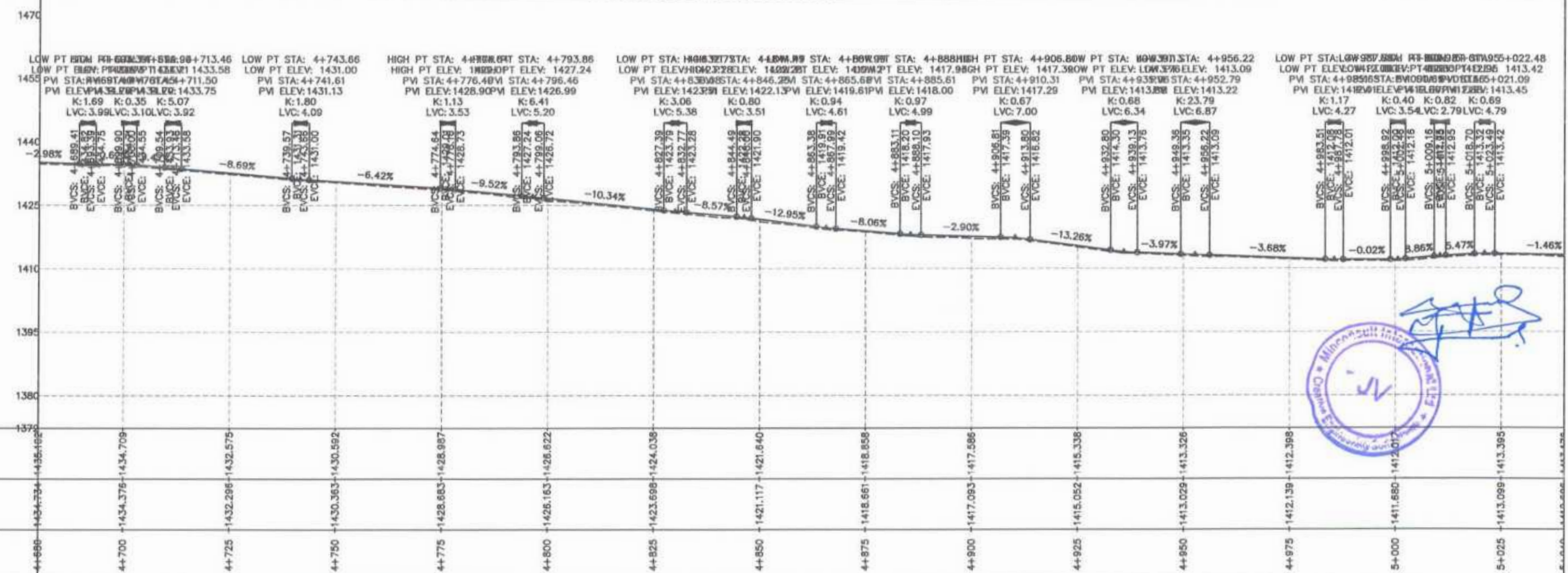

CLIENT:  GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:  MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI				






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	S-DURRANI	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 4+320.00 - 4+680.00 DWG NO: CEC/11W/KP-RRDP/N-CHT-1/PP/ 13	
		e			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024
		-			APPROVED	AQEEL YOUNIS				

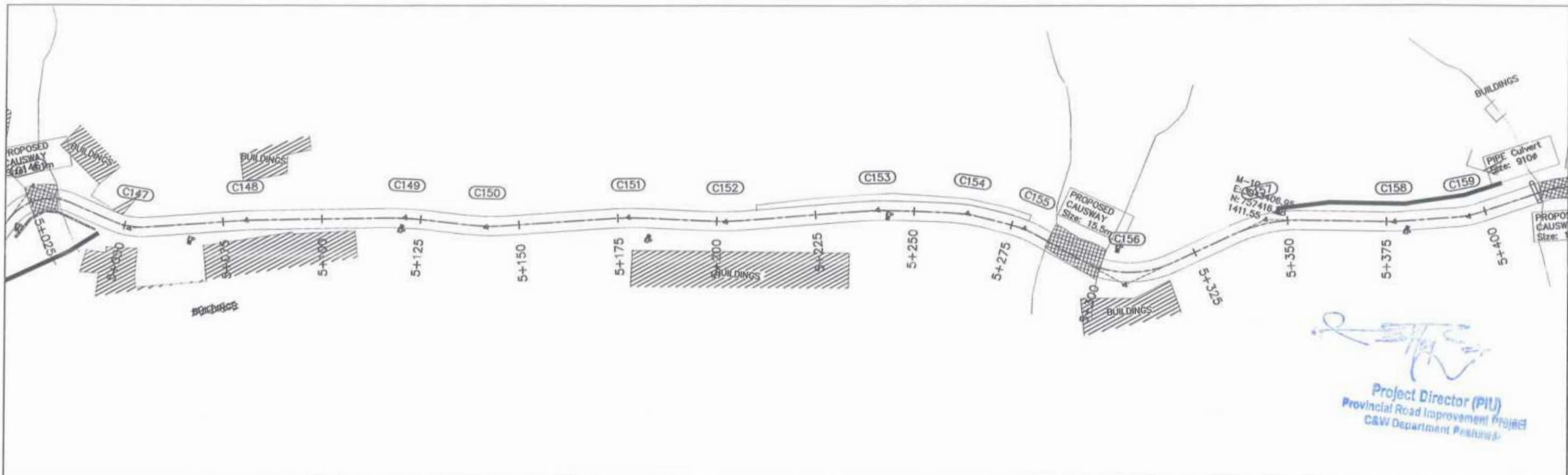



Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

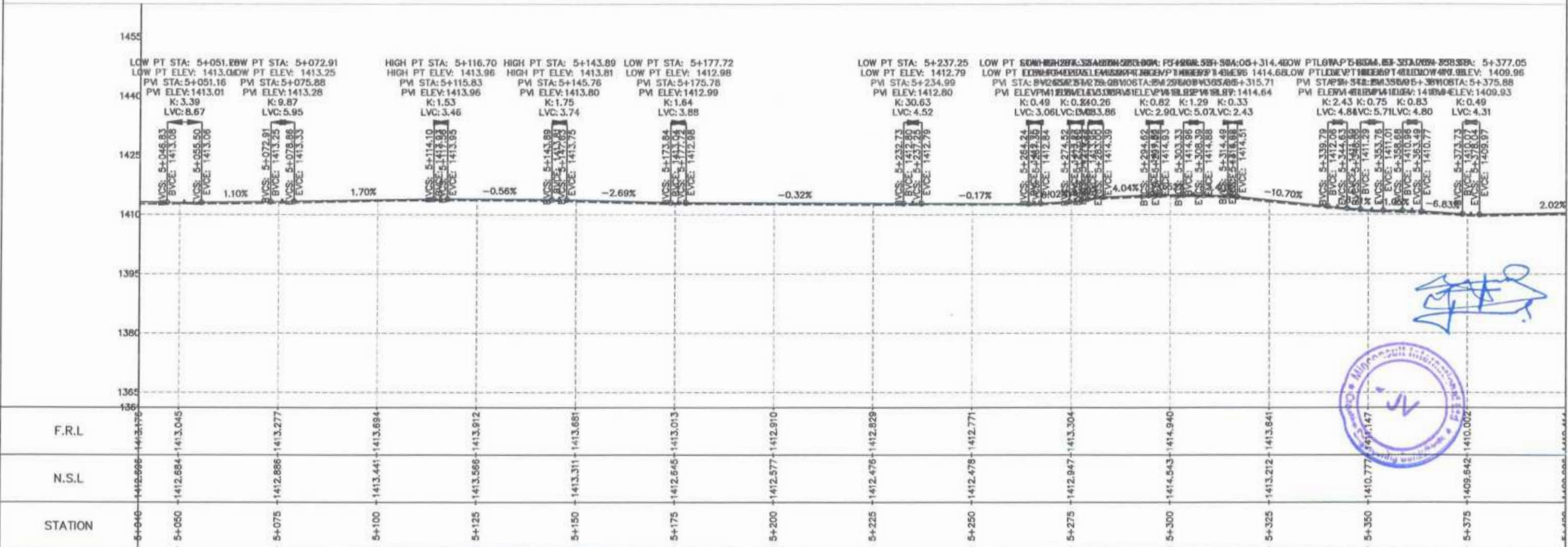




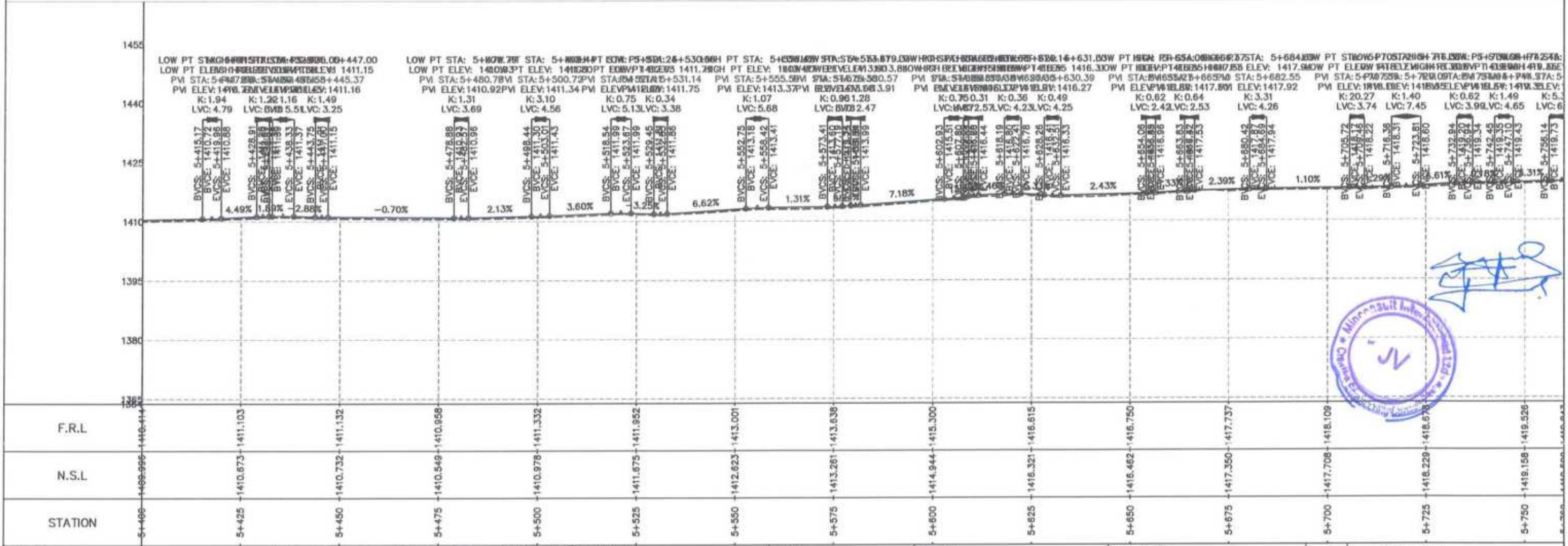
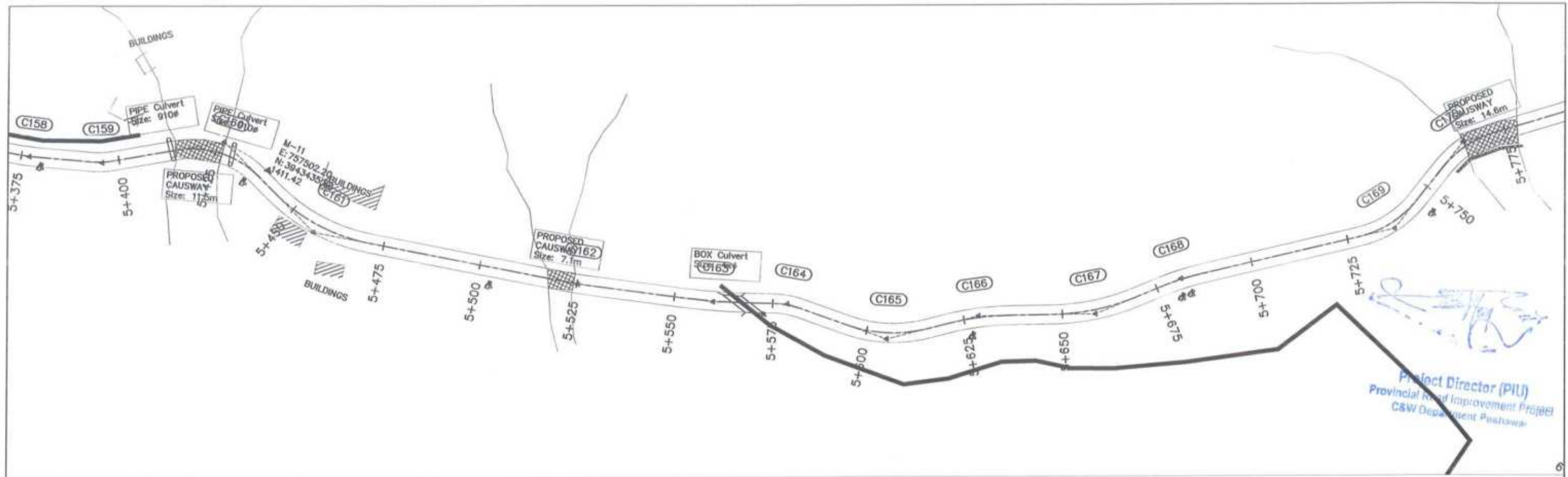

 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G. DESIGNED S. DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasth	H=1:1000	PLAN & PROFILE 4+680.00 - 5+040.00
		a			DRAWN MANSOOR			DATE:	
		b			CHECKED S. DURRANI			Aug 2024	DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/ 14
		-			APPROVED AQEEL YOUNIS				



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

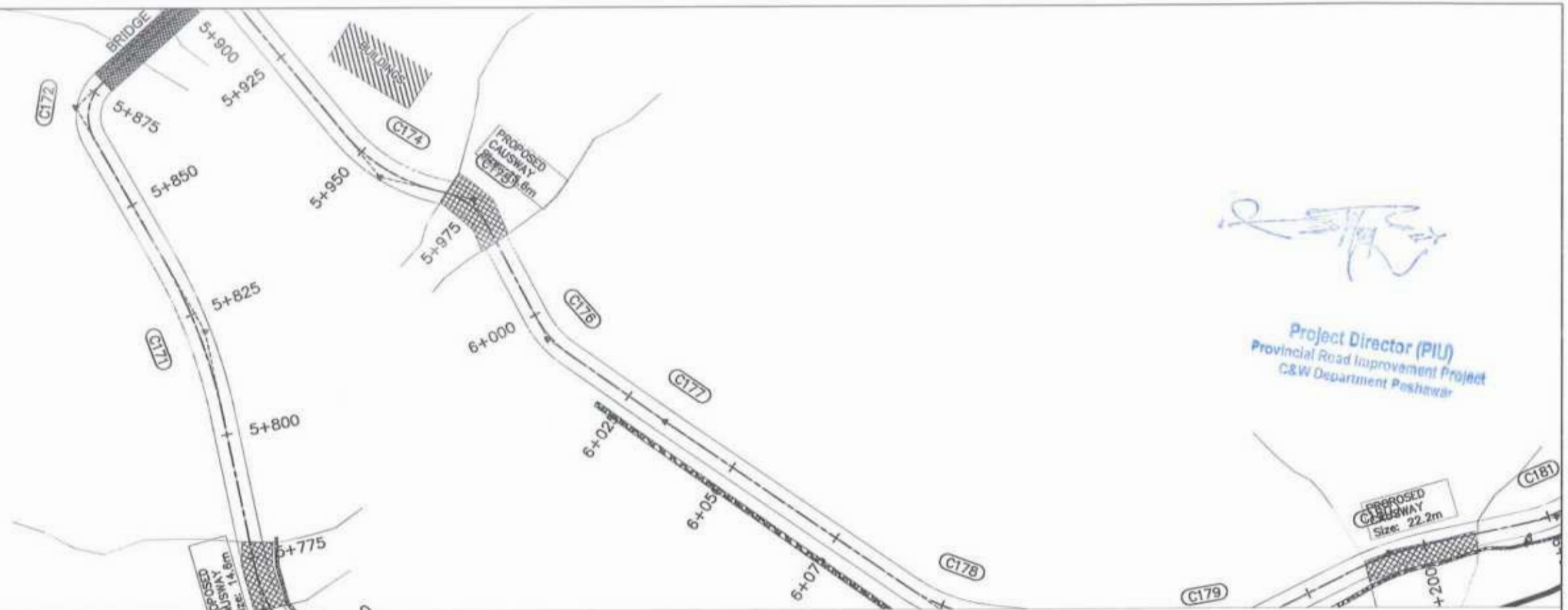


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 5+040.00 - 5+400.00	
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024
					APPROVED	ADEEL YOUSUF				DWG NO: CEC/RRDP/KP-RRDP/N-CHT-1/PP/

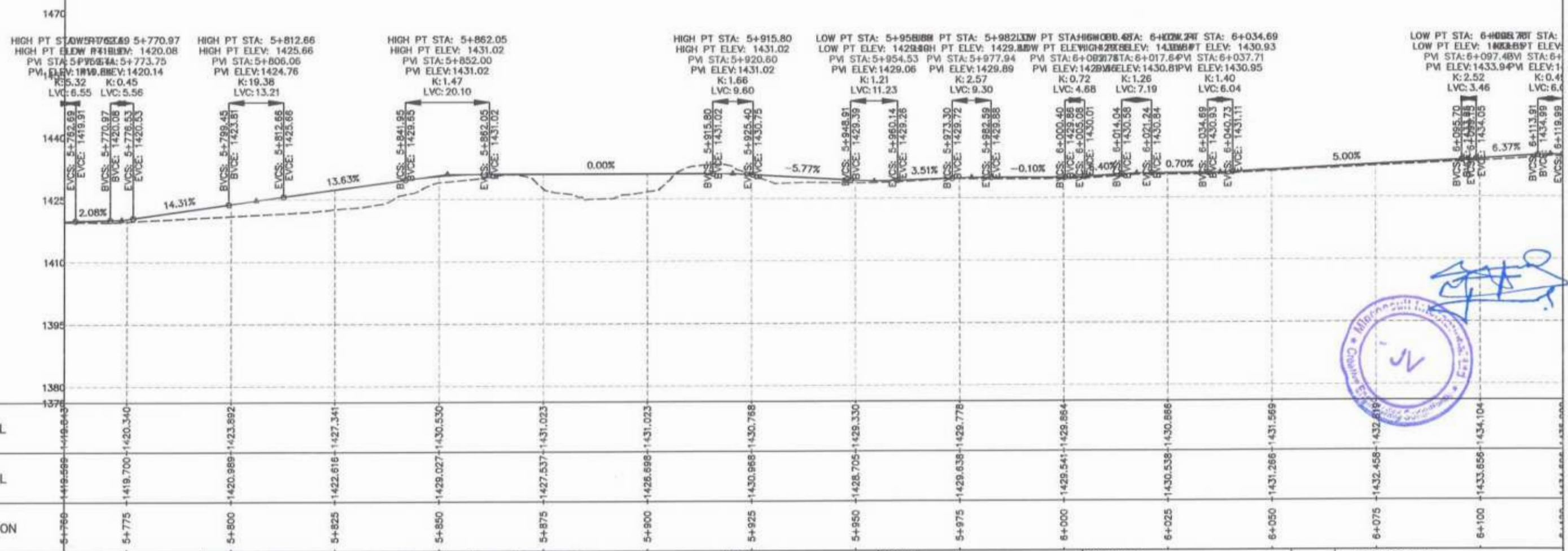


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	Aug 2024	Tender Drawings.	G.DESIGNED					S-DURRANI
		a			DRAWN					MANSOOR
		b			CHECKED					S-DURRANI
					APPROVED	AOEEL YOUNIS				



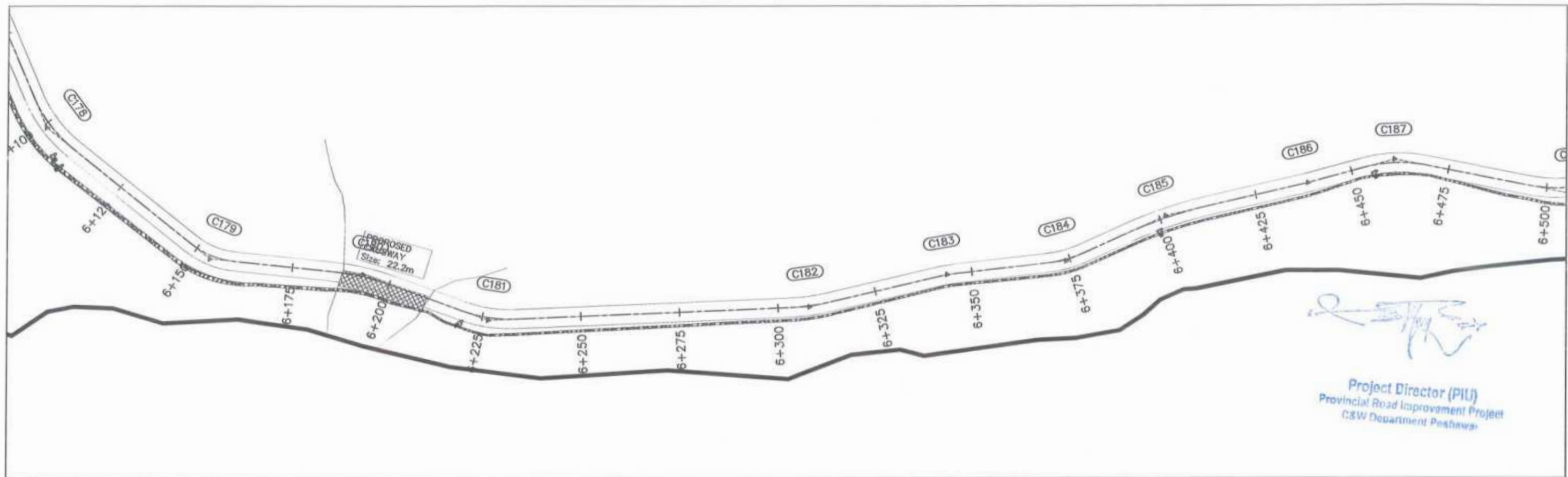


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Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

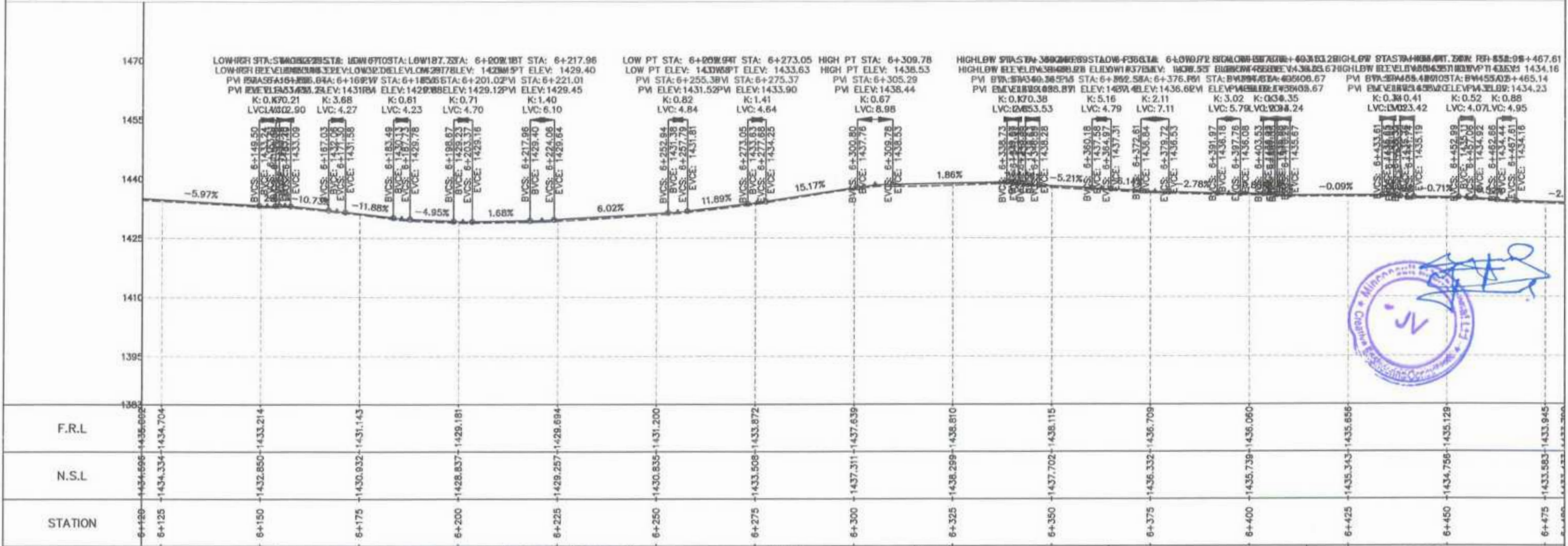


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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b c	DATE Aug 2024	DESCRIPTION Tender Drawings.	NAMES: G. DESIGNED: S-DURRANI DRAWN: MANSOOR CHECKED: S-DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 Shesha To Madalcahit Flood Affected	SCALE: H=1:1000 DATE: Aug 2024	SHEET CONTENT: PLAN & PROFILE 5+760.00 - 6+120.00 DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/ 17
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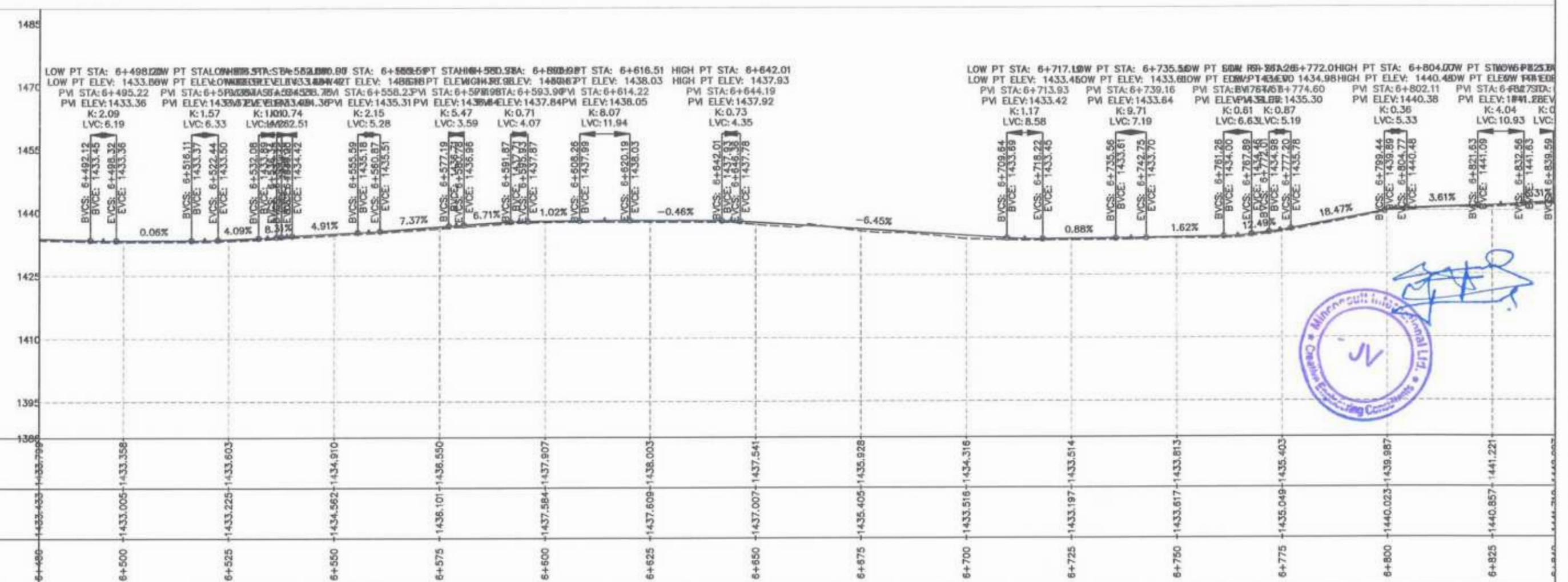
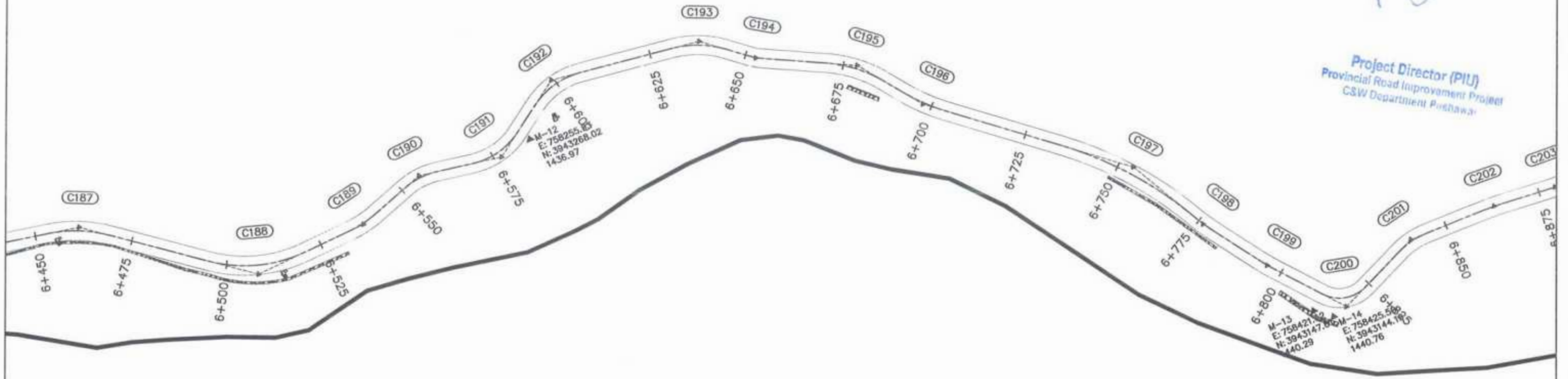

 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



CLIENT:	GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT:	(MIN - JV - CEC) 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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasth	H=1:1000	PLAN & PROFILE 6+120.00 - 6+480.00
				a			DRAWN MANSOOR			DATE:	
				b			CHECKED S-DURRANI			Aug 2024	
				-			APPROVED AQEEL YOUNIS		Flood Affected	DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/	18

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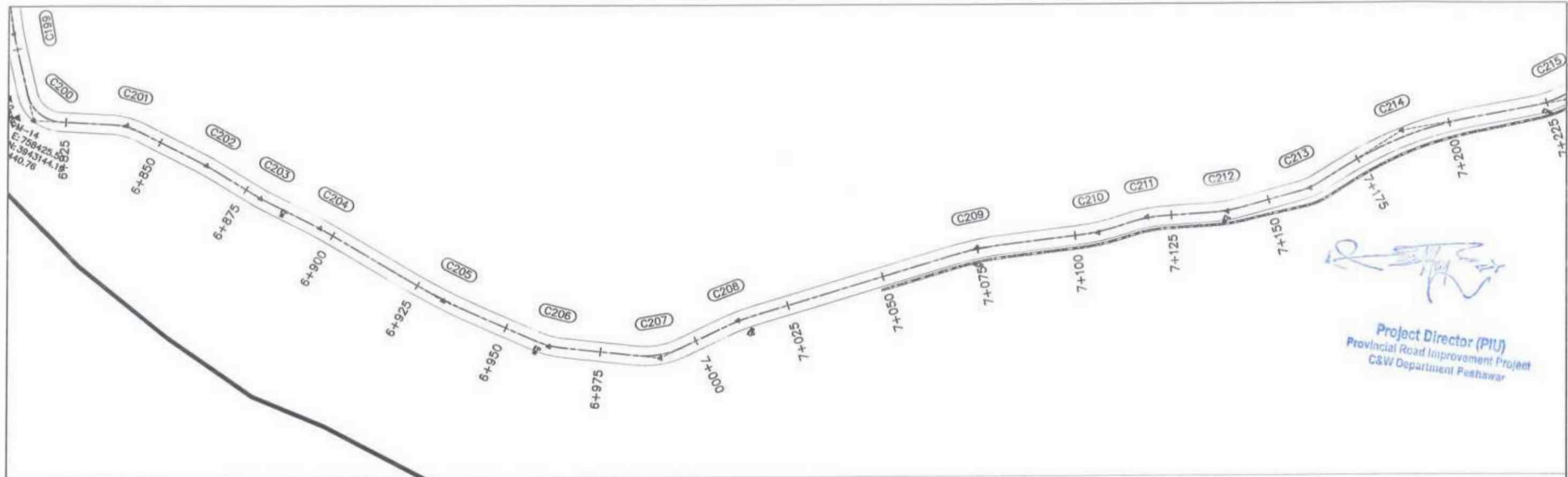
Project Director (PIU)
Provincial Road Improvement Project
CSW Department Peshawar



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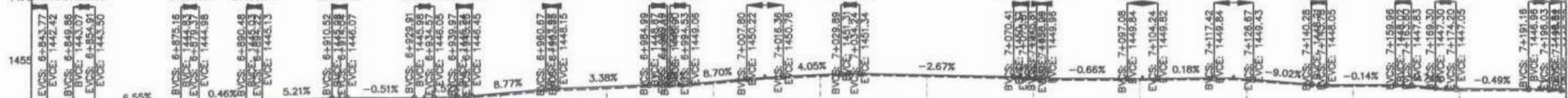
Minconsult Sdn Bhd
Creative Engineering Consultants

<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:	ROAD NAME:	SCALE:	SHEET CONTENT:			
		d	Aug 2024	Tender Drawings	G.DESIGNED			S-DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasthi	H=1:1000
		e			DRAWN			MANSOOR				DATE:
		b			CHECKED			S-DURRANI				Aug 2024
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/ 19							






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

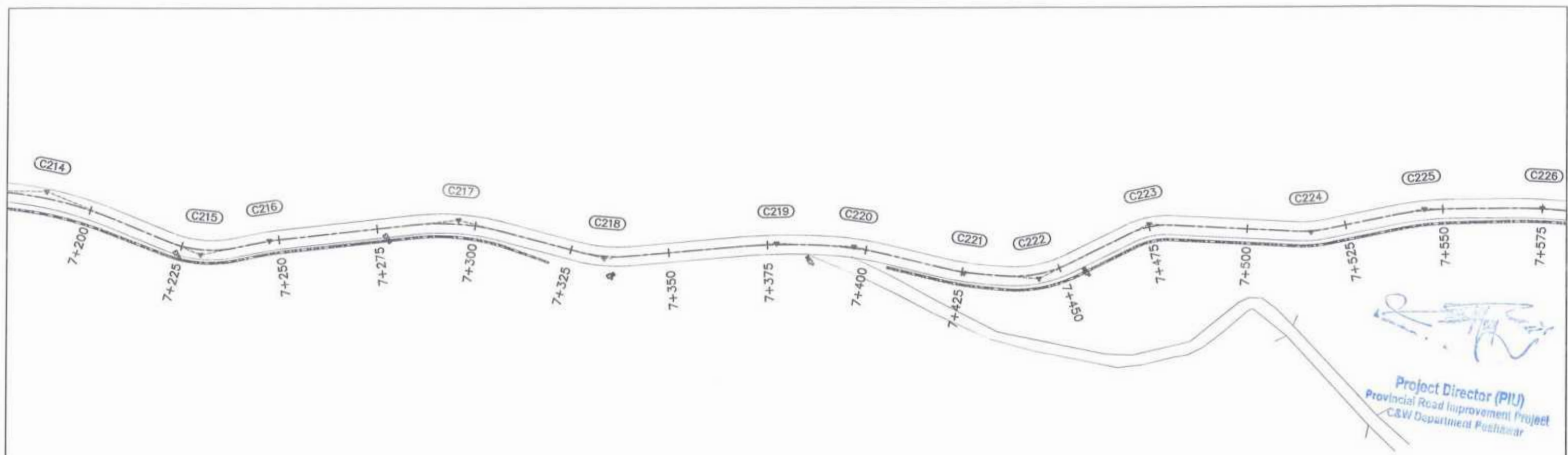
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 LOW PT STA: 6+875.00 PT ELEV: 1444.81 HIGH PT STA: 6+875.00 PT ELEV: 1444.81
 LOW PT STA: 6+900.00 PT ELEV: 1445.09 HIGH PT STA: 6+900.00 PT ELEV: 1445.09
 LOW PT STA: 6+925.00 PT ELEV: 1445.67 HIGH PT STA: 6+925.00 PT ELEV: 1445.67
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 LOW PT STA: 6+975.00 PT ELEV: 1448.11 HIGH PT STA: 6+975.00 PT ELEV: 1448.11
 LOW PT STA: 7+000.00 PT ELEV: 1448.17 HIGH PT STA: 7+000.00 PT ELEV: 1448.17
 LOW PT STA: 7+025.00 PT ELEV: 1450.75 HIGH PT STA: 7+025.00 PT ELEV: 1450.75
 LOW PT STA: 7+050.00 PT ELEV: 1450.60 HIGH PT STA: 7+050.00 PT ELEV: 1450.60
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 LOW PT STA: 7+100.00 PT ELEV: 1448.46 HIGH PT STA: 7+100.00 PT ELEV: 1448.46
 LOW PT STA: 7+125.00 PT ELEV: 1448.22 HIGH PT STA: 7+125.00 PT ELEV: 1448.22
 LOW PT STA: 7+150.00 PT ELEV: 1447.73 HIGH PT STA: 7+150.00 PT ELEV: 1447.73
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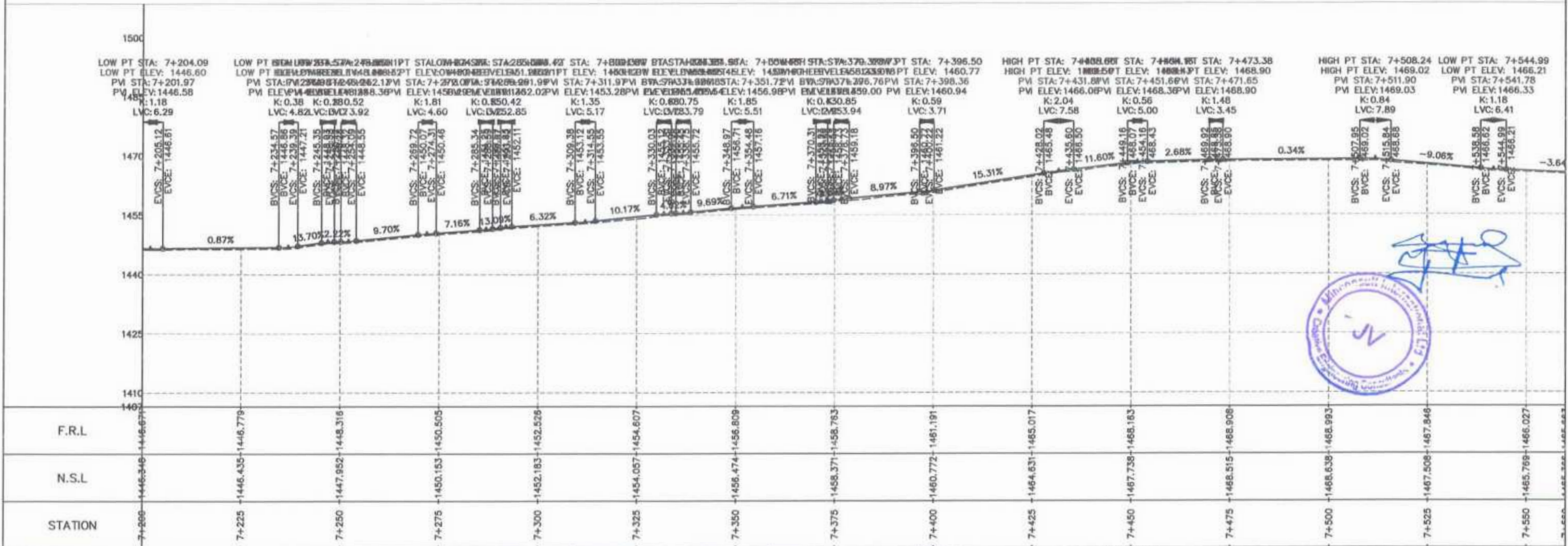



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N.S.L	1441.710	1442.727	1443.064	1444.440	1444.819	1445.099	1445.435	1445.673	1446.010	1446.591	1447.036	1448.112	1448.536	1448.176	1448.540	1450.751	1451.114	1450.921	1448.779	1450.118	1448.823	1448.570	1447.730	1448.036	1447.042	1446.824
STATION	6+840	6+850	6+875	6+900	6+925	6+950	6+975	7+000	7+025	7+050	7+075	7+100	7+125	7+150	7+175	7+200										

 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: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 Shesha To Madalcasht Flood Affected	SCALE: H=1:1000 DATE: Aug 2024	SHEET CONTENT: PLAN & PROFILE 6+840.00 - 7+200.00 DWG NO: CEC/RW/KP-RRDP/N-CHT-1/PP/ 20	
		0	Aug 2024	Tender Drawings.	G.DESIGNED					S-DURRANI
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		b			CHECKED					S-DURRANI
		-			APPROVED					AQEEL YOUNIS



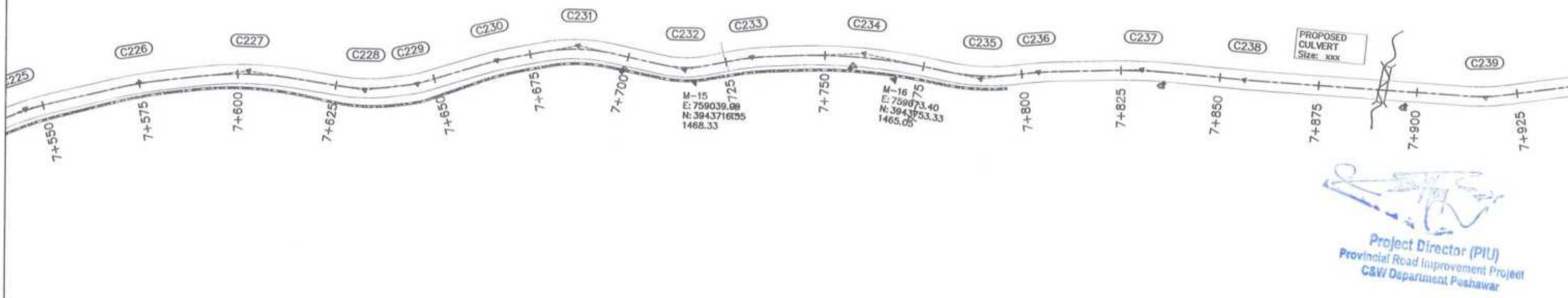
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Postbox



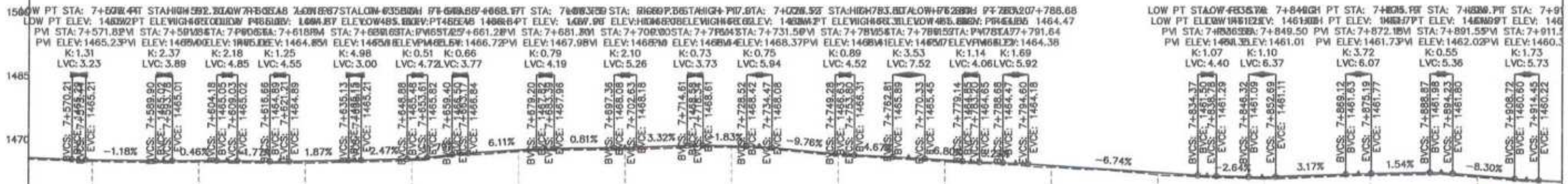
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[Circular stamp: Ministry of Transport, Government of Khyber Pakhtunkhwa]

<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			S-DURRANI		KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasthl Flood Affected	H=1:1000
		a			DRAWN			MANSOOR				DATE:
		b			CHECKED			S-DURRANI				Aug 2024
			APPROVED	ADEEL YOUNIS	DWG NO: CEC/HWKP-RRDP/N-CHT-1/PP/ 21							



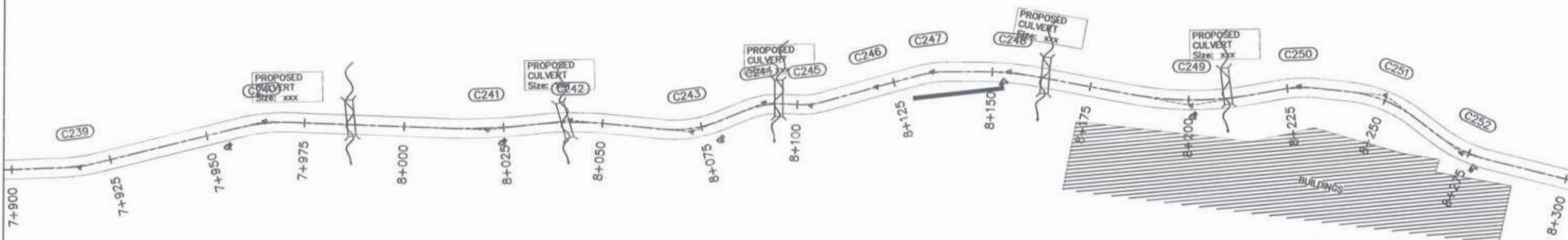
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



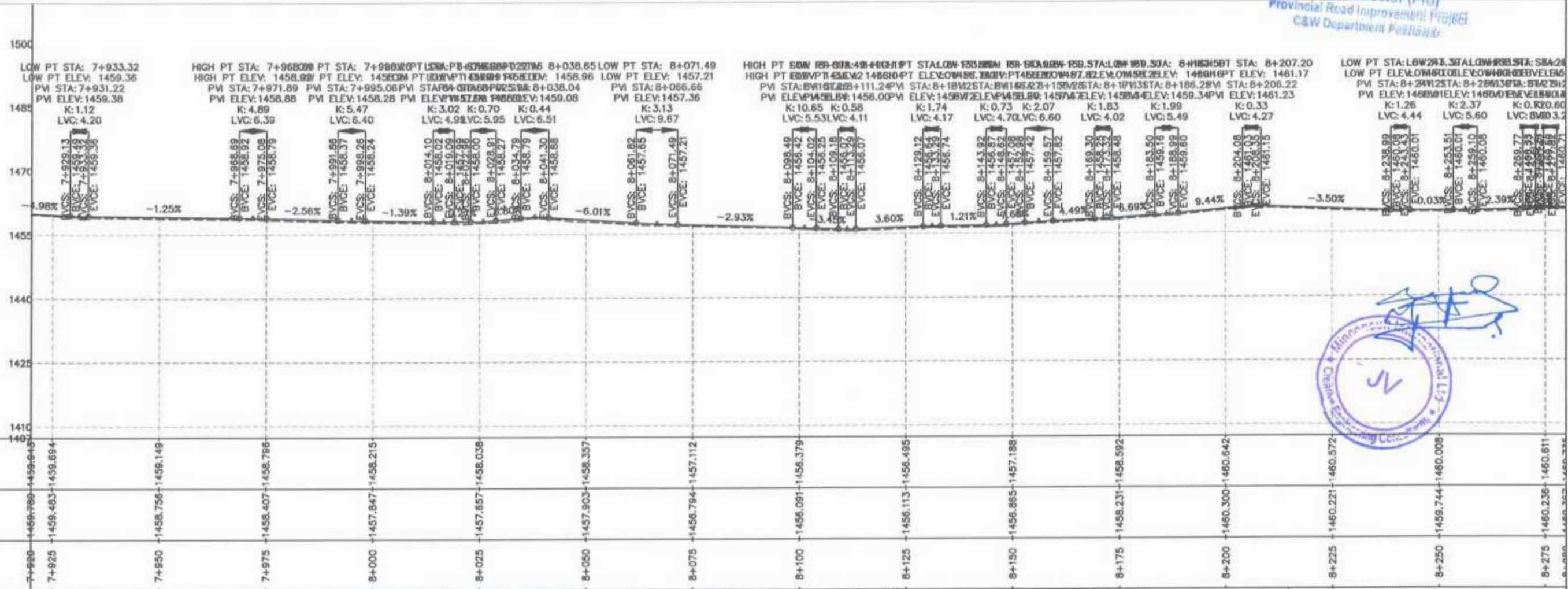
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7+575	1464.854	1465.196
7+600	1464.706	1465.034
7+625	1464.529	1464.959
7+650	1465.147	1465.520
7+675	1467.189	1467.561
7+700	1467.734	1468.113
7+725	1468.182	1468.487
7+750	1466.195	1466.565
7+775	1464.793	1465.137
7+800	1463.417	1463.815
7+825	1461.614	1462.130
7+850	1460.697	1461.058
7+875	1461.395	1461.770
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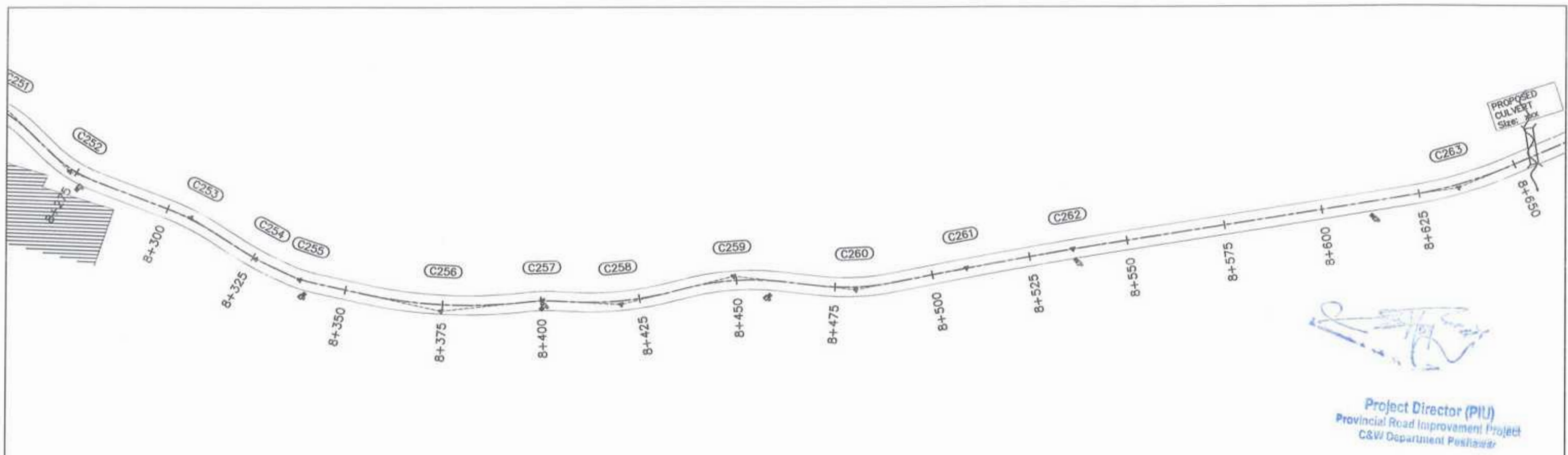
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madaicasht Flood Affected	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 7+560.00 - 7+920.00 DWG NO. CEC/HW/KP-RRDP/N-CHT-1/PP/ 22
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		b			CHECKED S-DURRANI				
		c			APPROVED AQEEL YOUNIS				



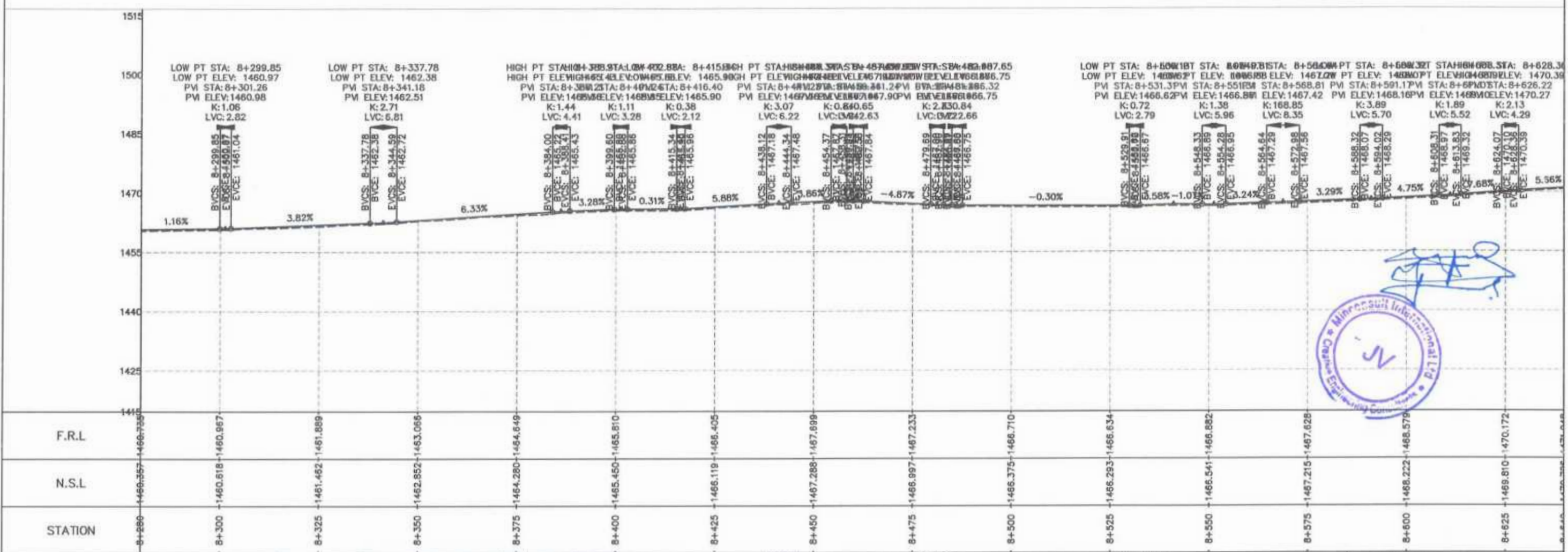
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Pakistan



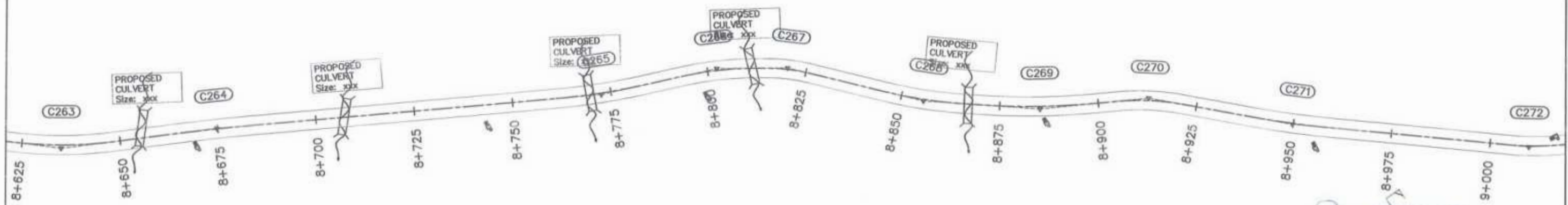
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024.	Tender Drawings.	G.DESIGNED	S-DURRANI					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madaicash	H=1:1000	PLAN & PROFILE 7+920.00 - 8+280.00
		a			DRAWN	MANSOOR								
		b			CHECKED	S-DURRANI								
-			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-1 Shesha To Madaicash SCALE: H=1:1000 SHEET CONTENT: PLAN & PROFILE 7+920.00 - 8+280.00 DATE: Aug 2024 DWG NO: CEC/HR/KP-RRDP/N-CHT-1/PP/ 23														



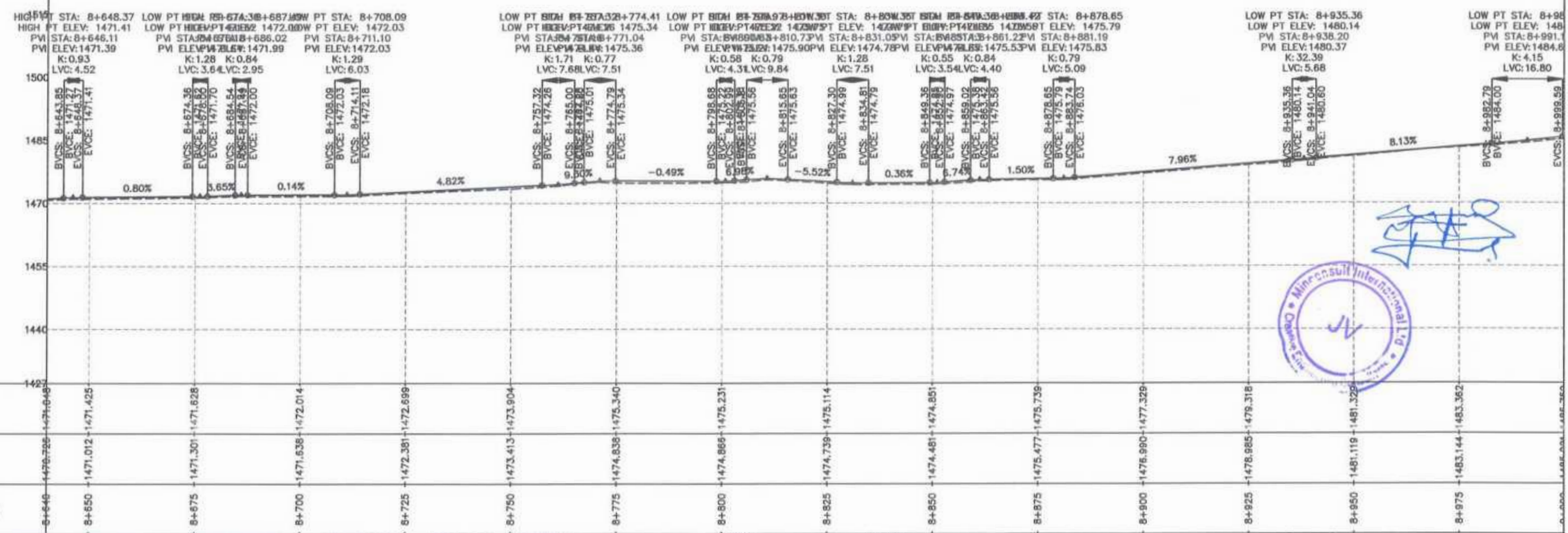
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Postlewar





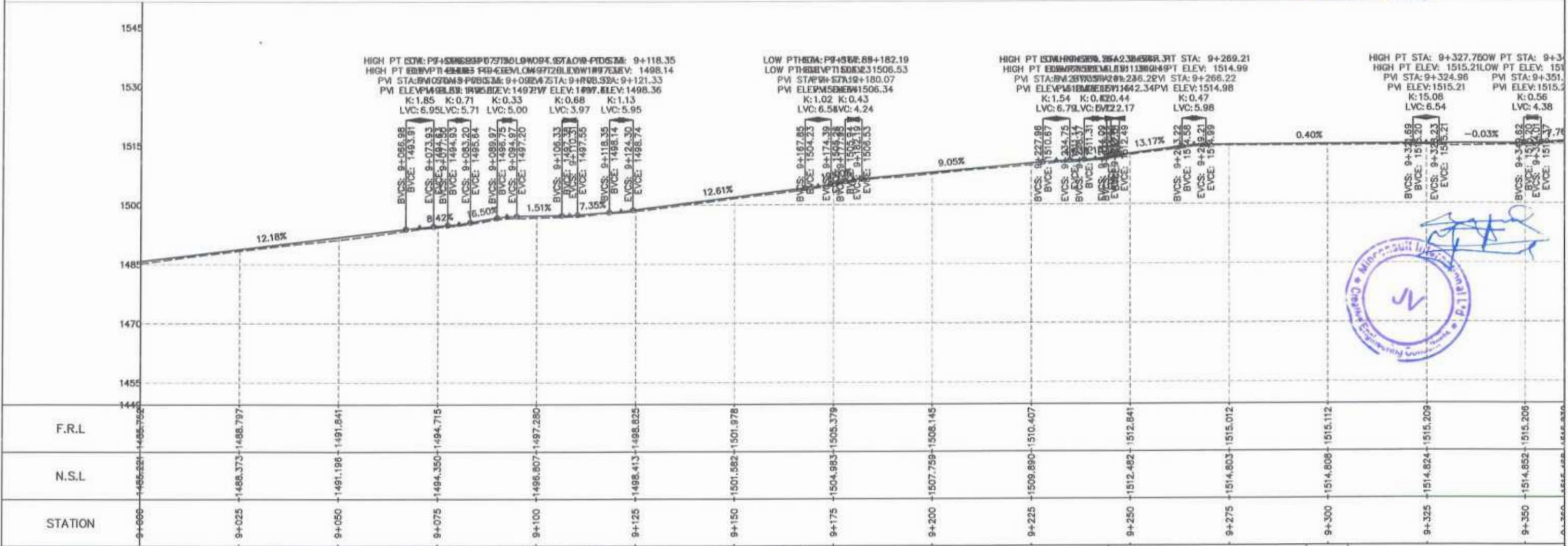
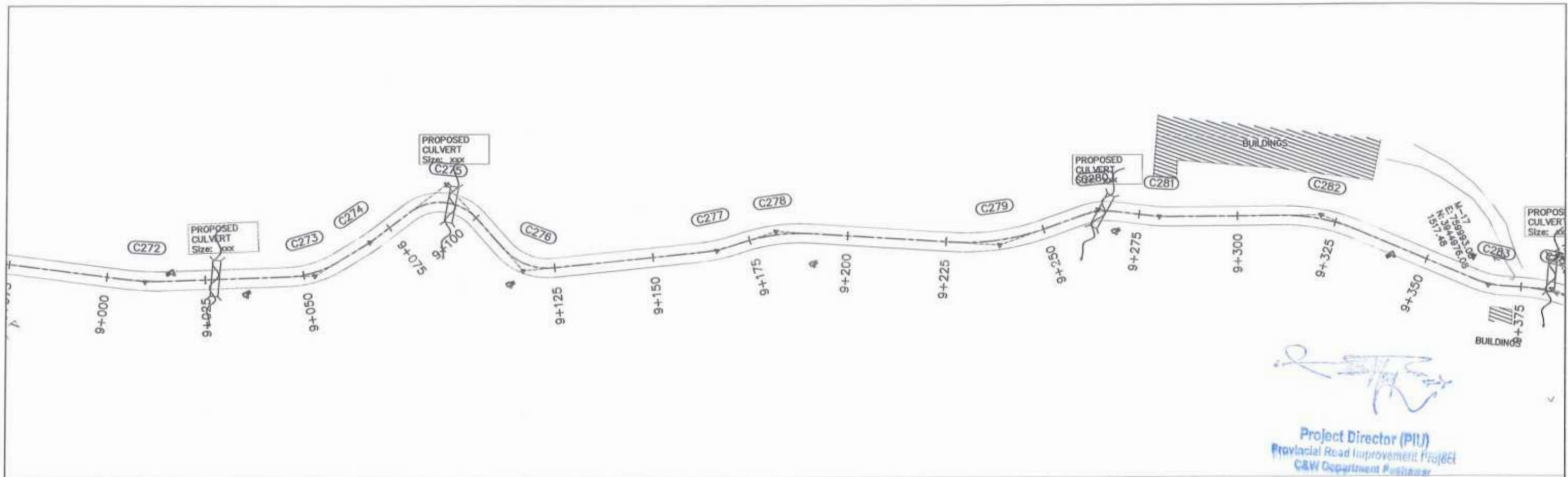
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings.	G. DESIGNED	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasth Flood Affected	H=1:1000 DATE: Aug 2024	
a			DRAWN	MANSOOR						
b			CHECKED	S-DURRANI						
-			APPROVED	AQEEL YOUNIS						



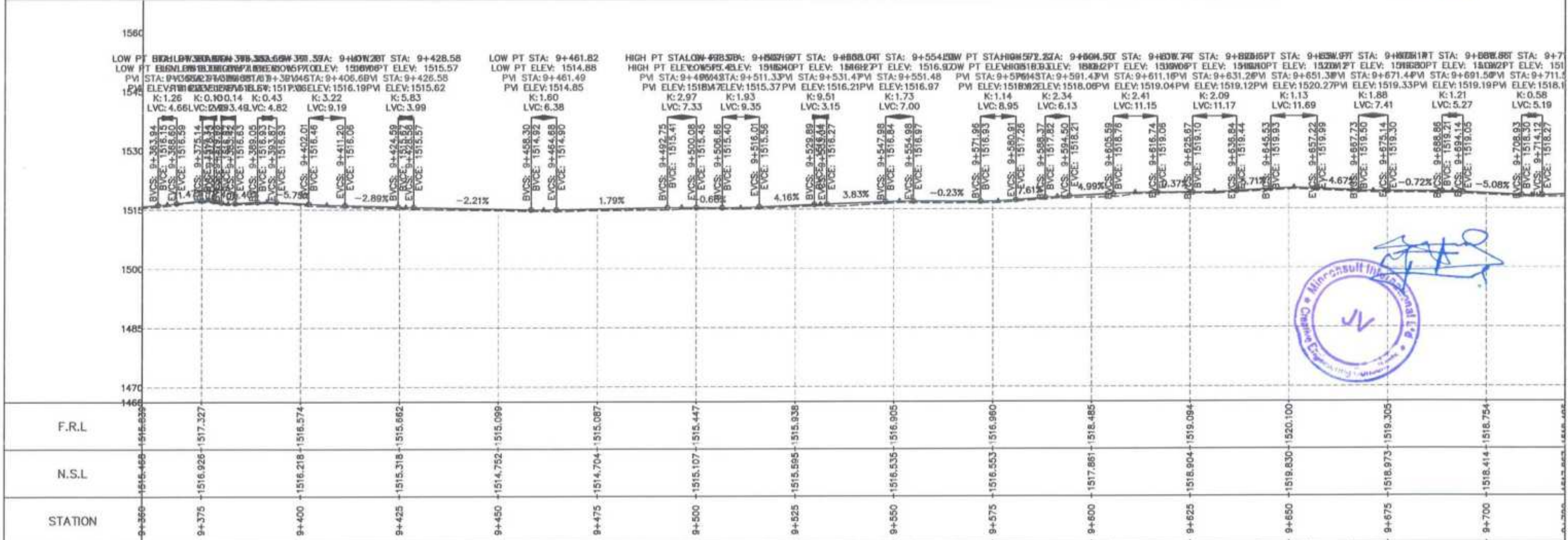
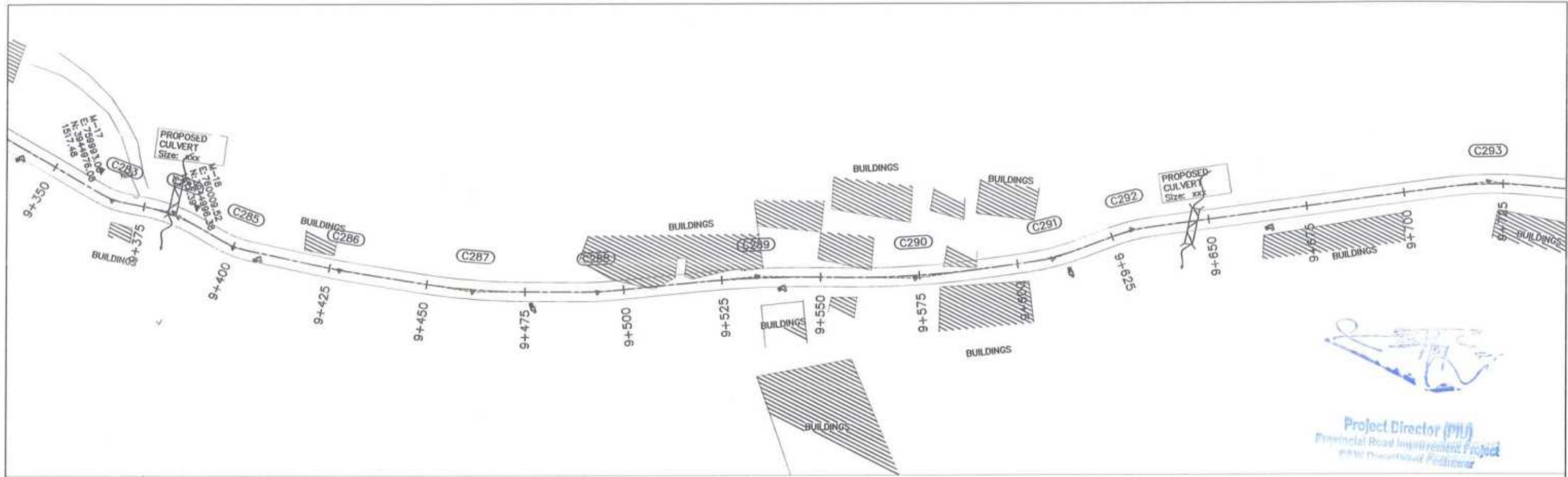

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 Provincial Road Improvement Project
 C&W Department Peshawar



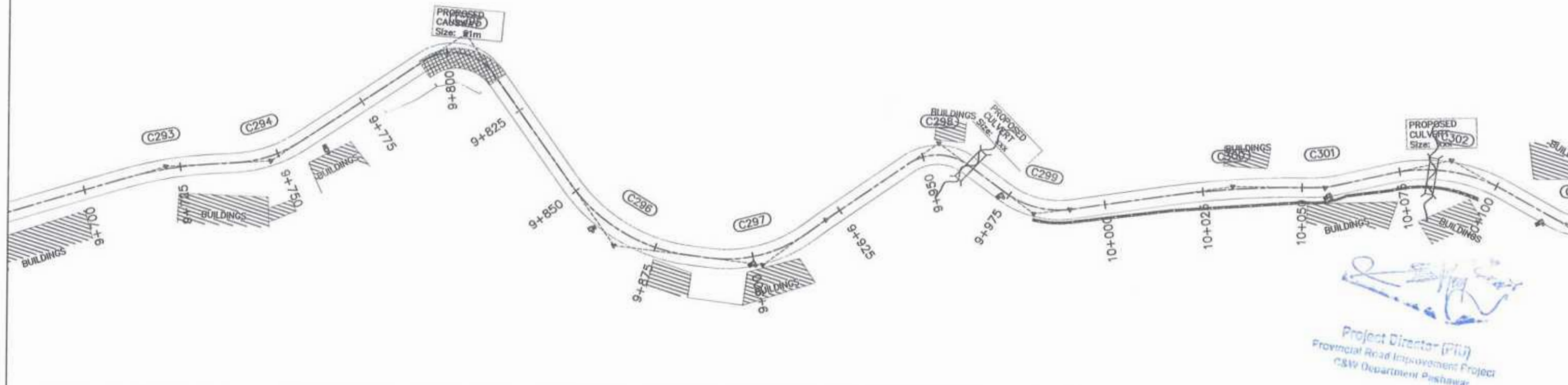
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G. DESIGNED	S-DURRANI					KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 8+640.00 - 9+000.00
		a			DRAWN	MANSOOR								
		b			CHECKED	S-DURRANI								
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					Flood Affected	DWG NO: CEC/HWKP-RRDP/N-CHT-1/PP/ 25								



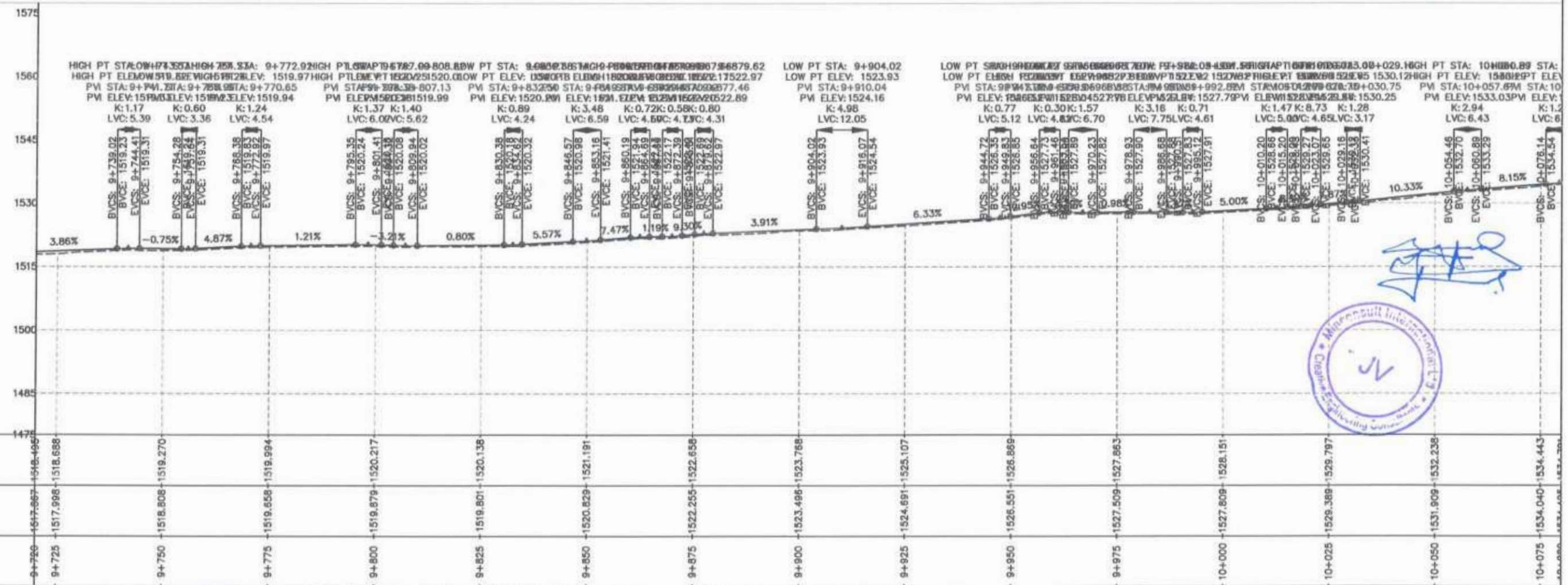
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	Aug 2024	Tender Drawings.	G. DESIGNED	S-DURRANI			KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 Shesha To Madalcasth Flood Affected	H=1:1000
		a			DRAWN	MANSOOR						DATE:
		b			CHECKED	S-DURRANI						Aug 2024
*			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/ 26							



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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1	H=1:1000	PLAN & PROFILE 9+360.00 - 9+720.00 DATE: Aug 2024 DWG NO: CECHWKP-RRDP/N-CHT-1/PP/ 27
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		b			CHECKED S-DURRANI		Flood Affected		
		c			APPROVED ADEEL YOUNIS				

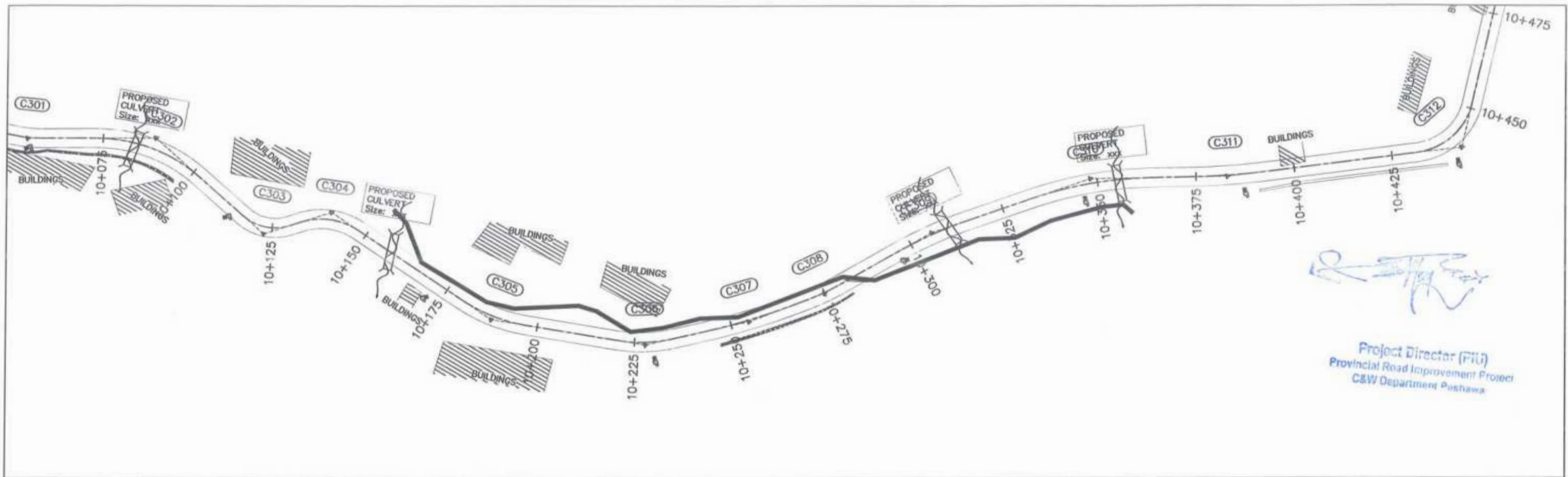


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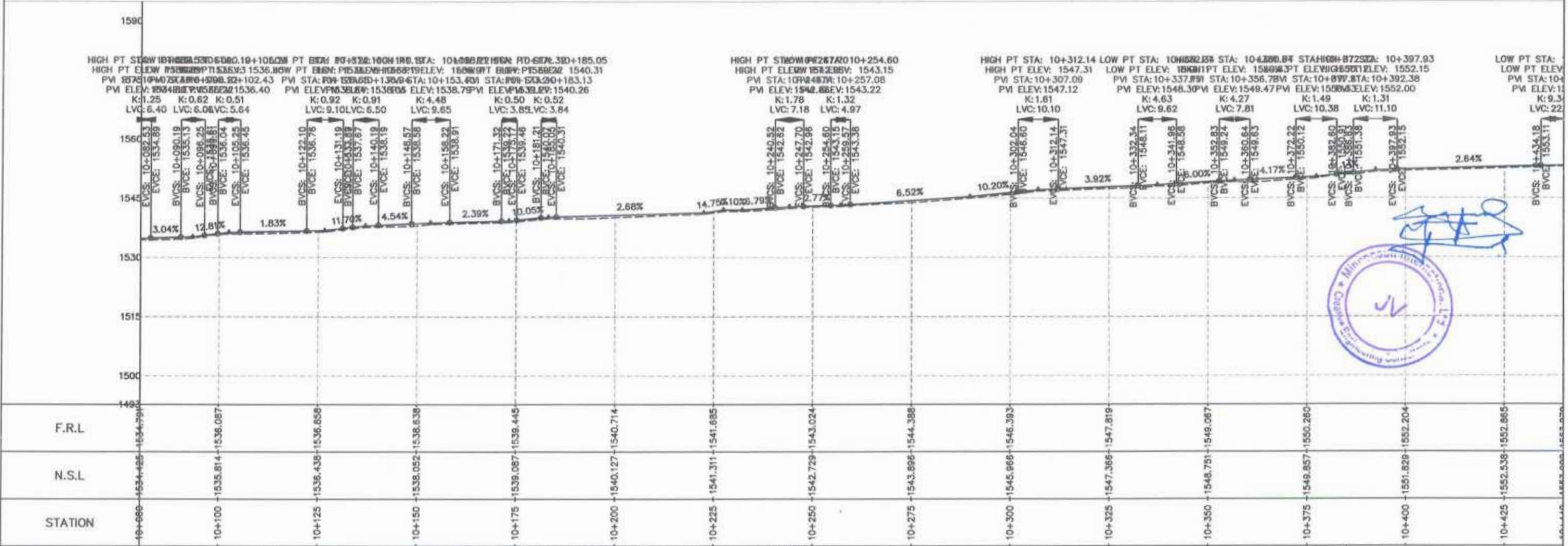


Handwritten signature and a circular official stamp of the Ministry of Transport, Government of Khyber Pakhtunkhwa.

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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000	PLAN & PROFILE 9+720.00 - 10+080.00 DWG NO: CECHW/KP-RRDP/INT-CHT-1/PP/ 28
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		b			CHECKED S-DURRANI				
		-			APPROVED AQEEL YOUSUF				

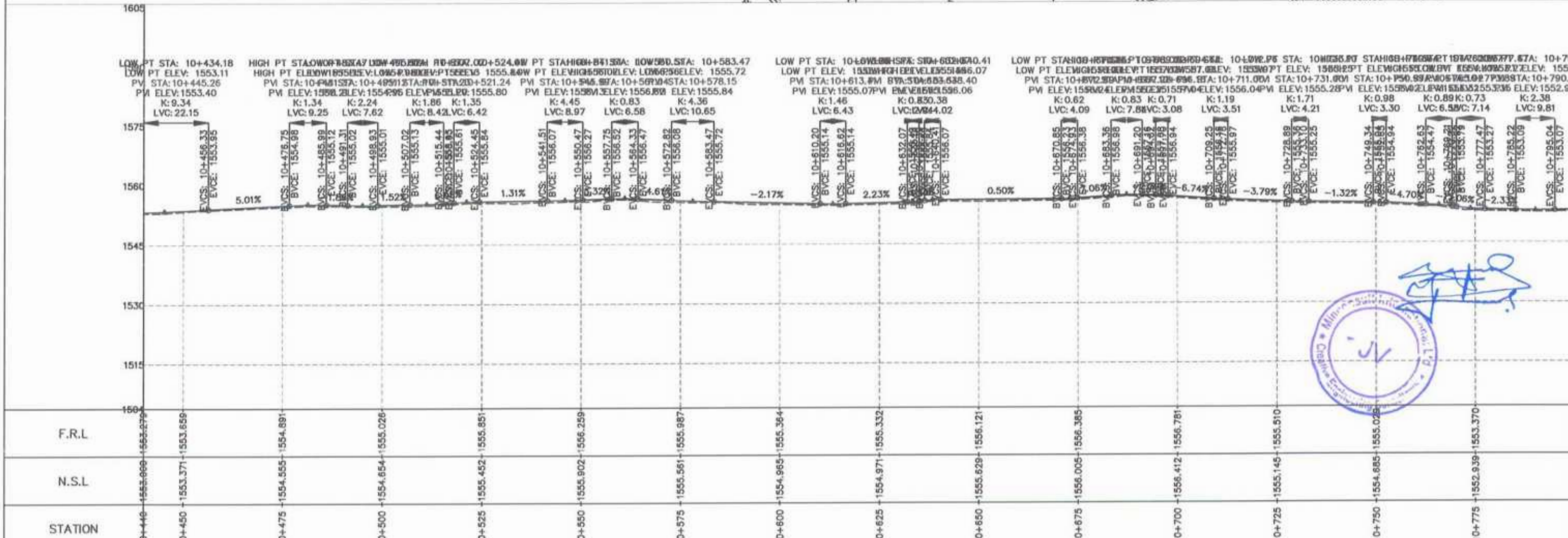
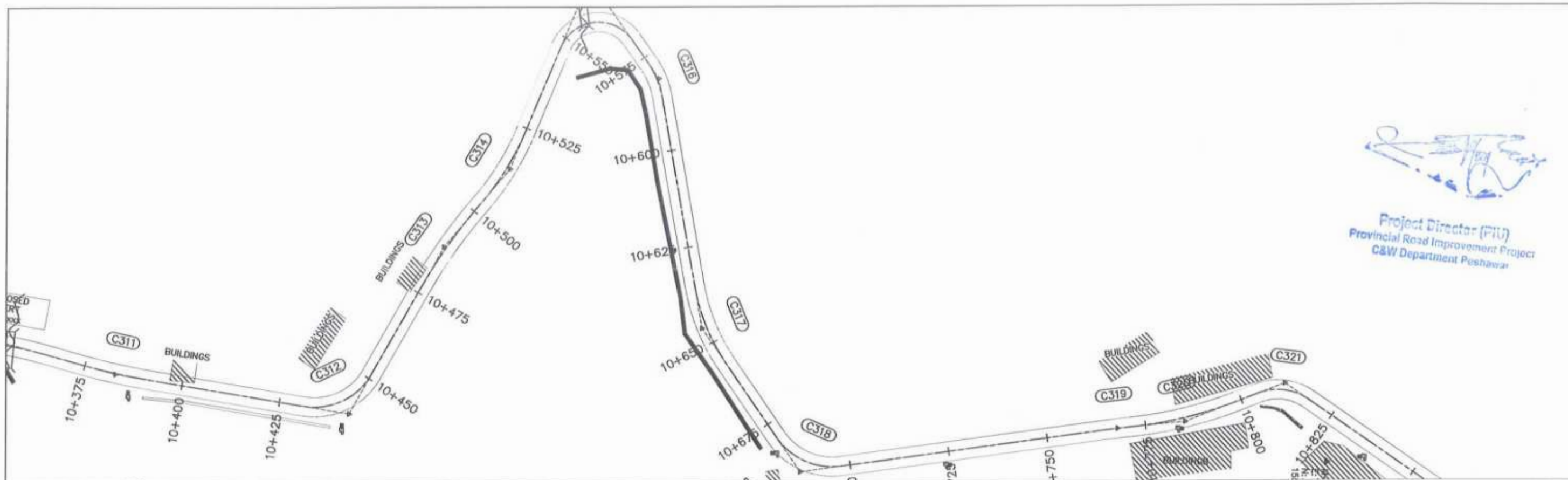


Project Director (PIU)
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 C&W Department Peshawa



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:
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a			DRAWN	MANSOOR		DATE:			
b			CHECKED	S-DURRANI		Aug 2024			
			APPROVED	AQEEL YOUNIS					

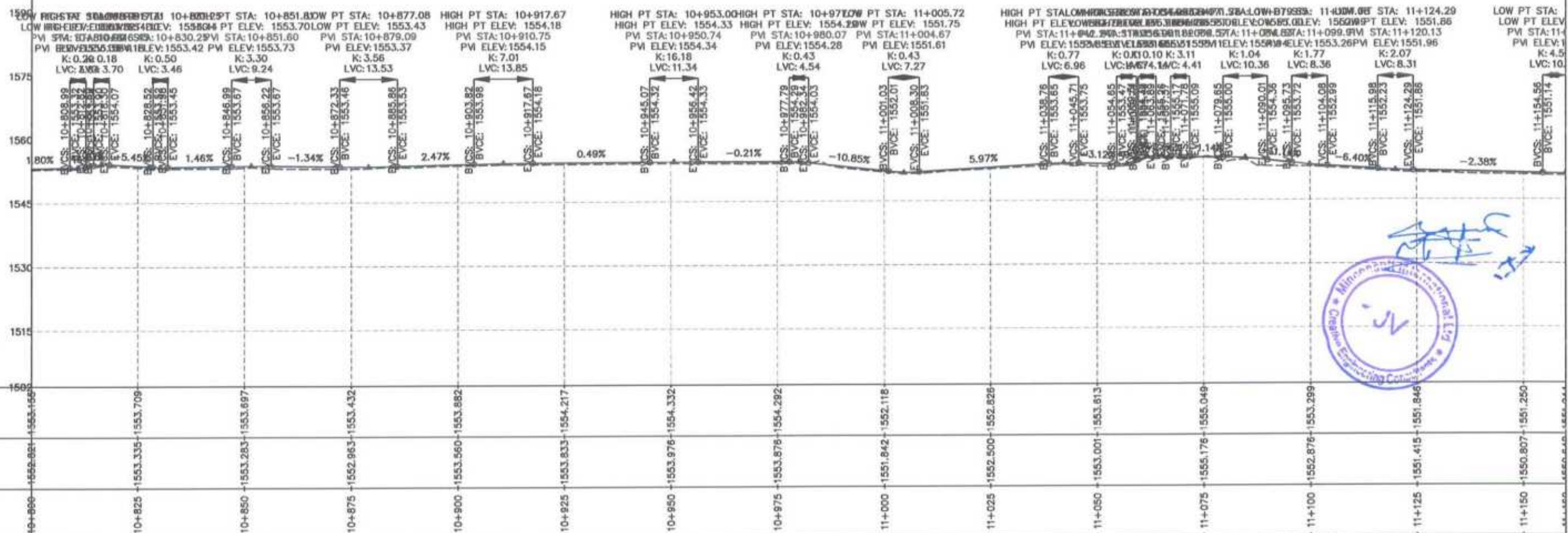
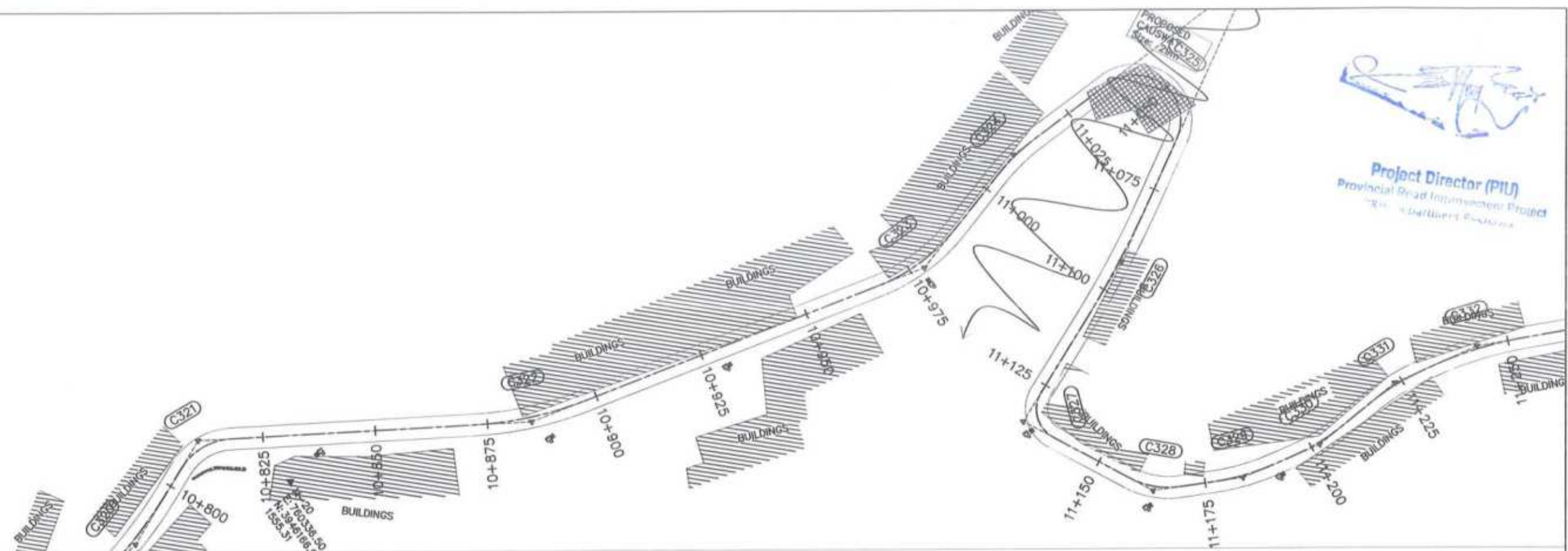
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



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 Creative Engineering Consultants (CEC)

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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1	H=1:1000	PLAN & PROFILE 10+440.00 - 10+800.00 DWG NO: CECA/WW/KP-RRDP/N-CHT-1/PP/ 30
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					CHECKED S-DURRANI		Flood Affected		
					APPROVED AOHEEL YOUNIS		DATE: Aug 2024		

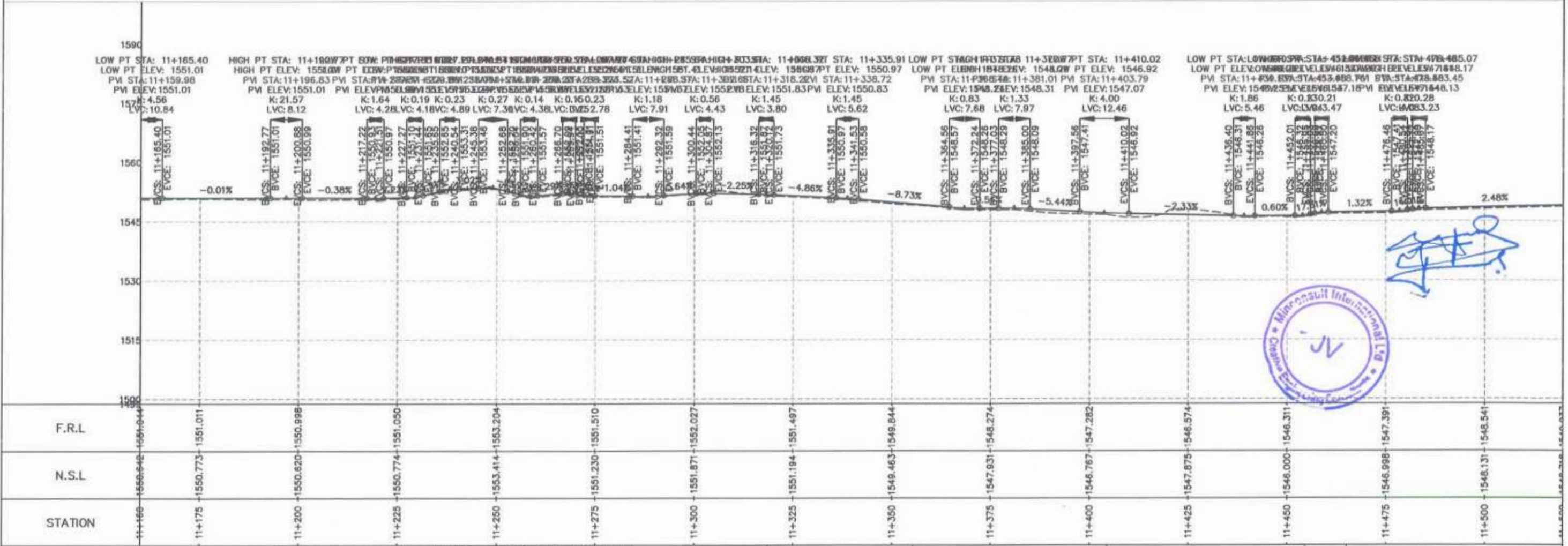
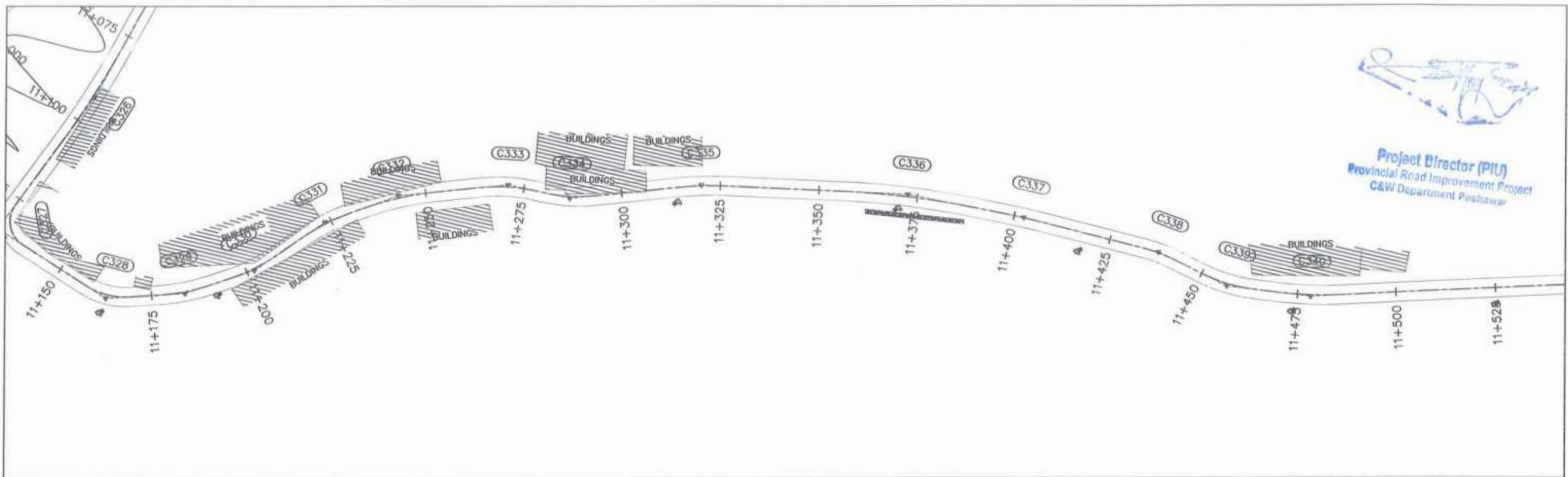
Project Director (PIU)
Provincial Road Improvement Project



Handwritten signature and a circular stamp of 'Creative Engineering Consultants (CEC)'. The stamp contains the text 'Ministry of Transport & Infrastructure, Government of Khyber Pakhtunkhwa' and 'Creative Engineering Consultants (CEC)'.

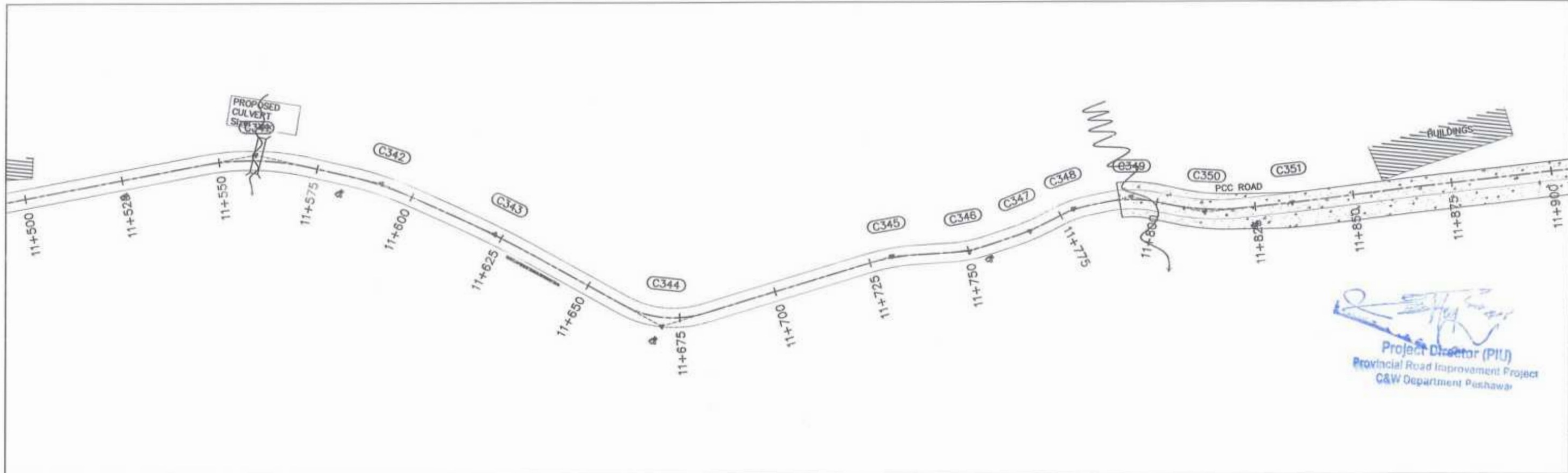
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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings	G.DESIGNED S-DURRANI	<p>KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)</p>	N-CHT-1	H=1:1000	<p>PLAN & PROFILE 10+800.00 - 11+160.00</p>	
		a			DRAWN MANSOOR			Shesha To Madalcaht		DATE:
		b			CHECKED S-DURRANI			Flood Affected		Aug 2024
		c			APPROVED AQEEL YOUNIS					
							DWG NO: CEC/HWP-RRDP/N-CHT-1/PP/		31	

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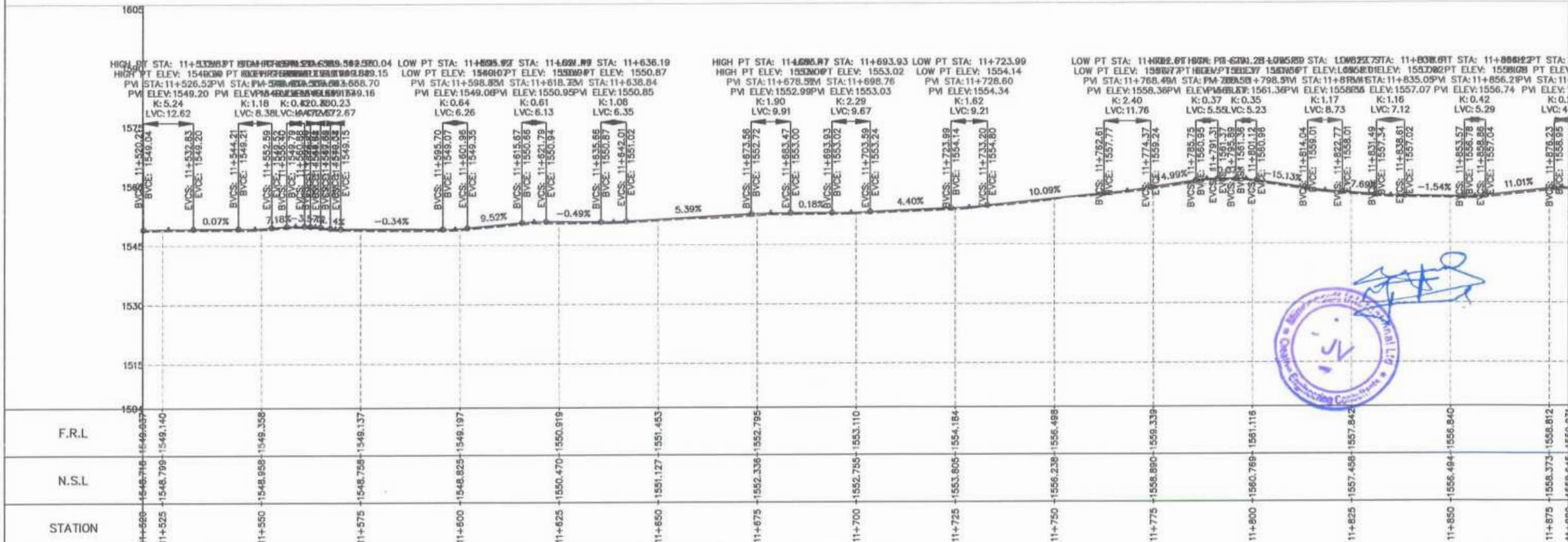


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CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b c	DATE Aug 2024	DESCRIPTION Tender Drawings.	NAMES: G. DESIGNED: S-DURRANI DRAWN: MANSOOR CHECKED: S-DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 Shesha To Madacashit Flood Affected	SCALE: H=1:1000 DATE: Aug 2024	SHEET CONTENT: PLAN & PROFILE 11+160.00 - 11+520.00 DWG NO: CEC/RW/KP-RRDP/N-CHT-1/PP/ 32
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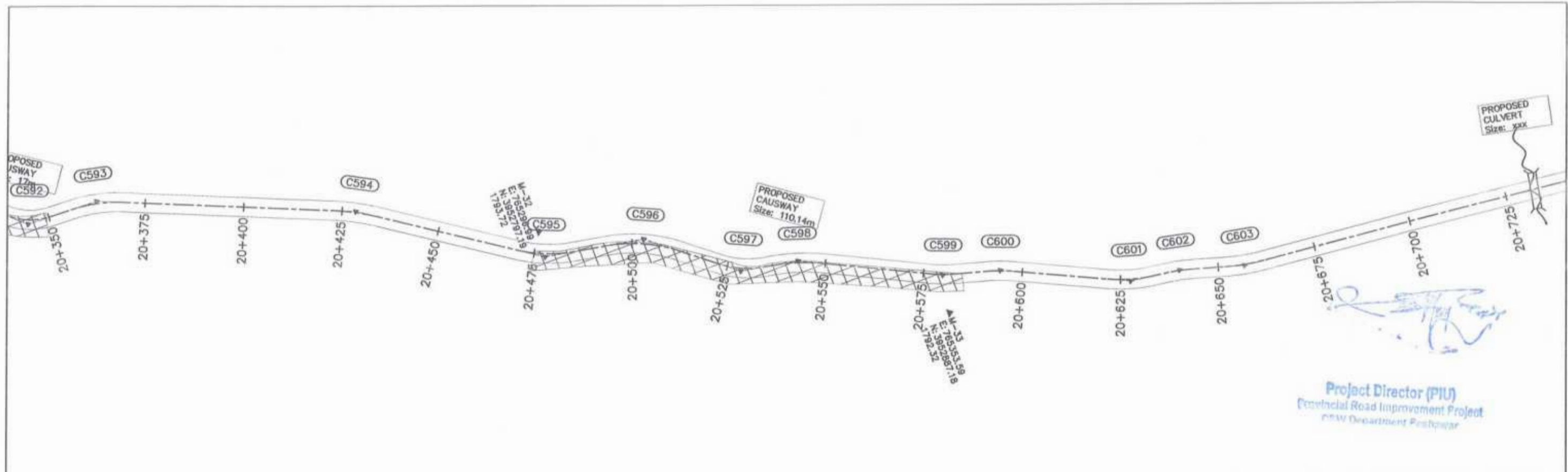


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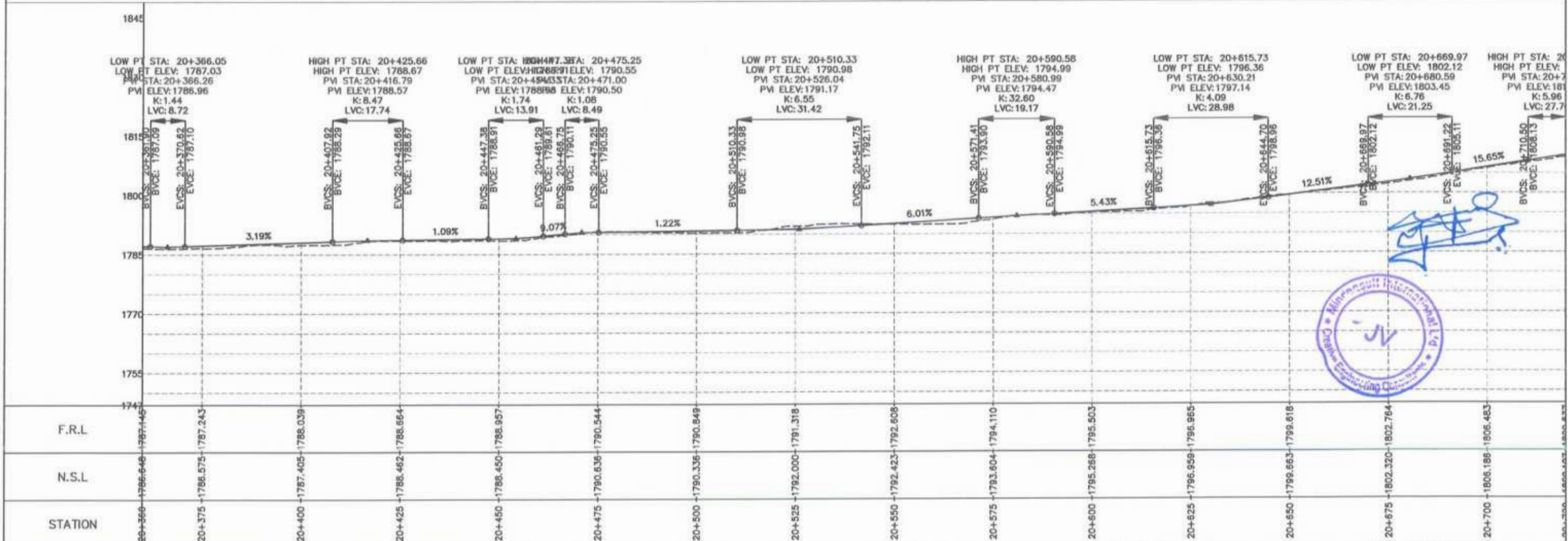


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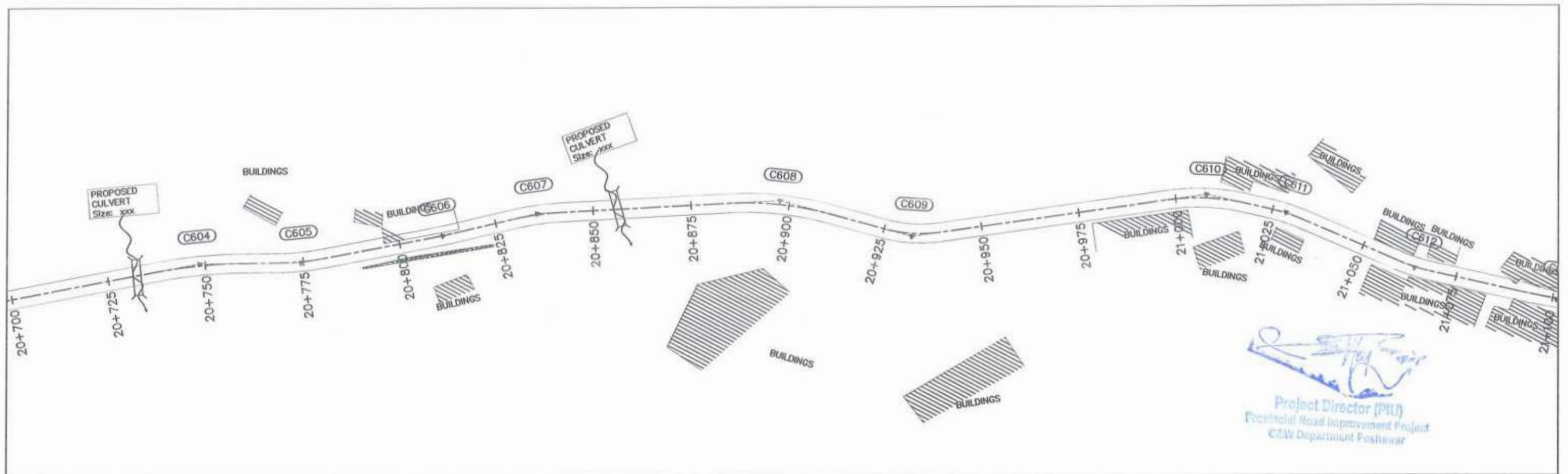
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GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROAD DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000	PLAN & PROFILE 11+520.00 - 11+880.00 DWG NO: CEC/HW/KP-RRDP/N-CHT-1/PP/ 33
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		c			APPROVED AOEL YOUNIS				



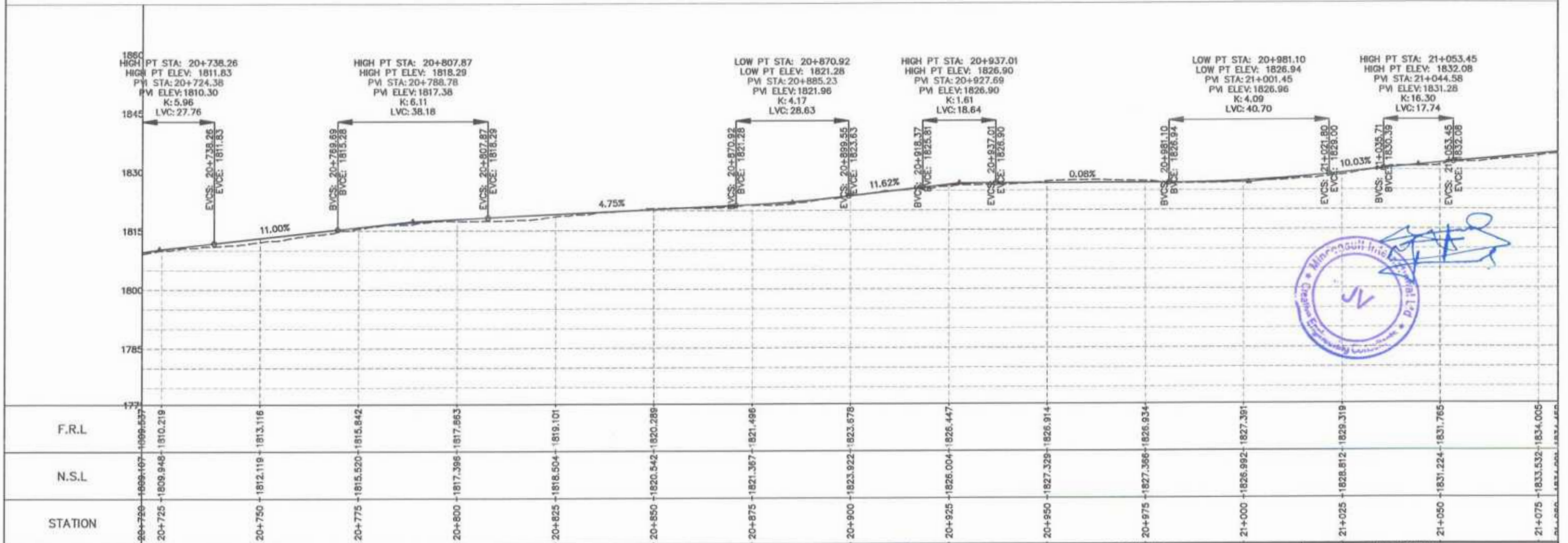
Project Director (PIU)
 Provincial Road Improvement Project
 RAW Department Peshawar



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	S-DURRANI	N-CHT-1 Shesha To Madalcahst Flood Affected	H=1:1000	PLAN & PROFILE 20+360.00 - 20+720.00 DWG NO: CEC/HWRRDP/N-CHT-1/PP/ 2
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			

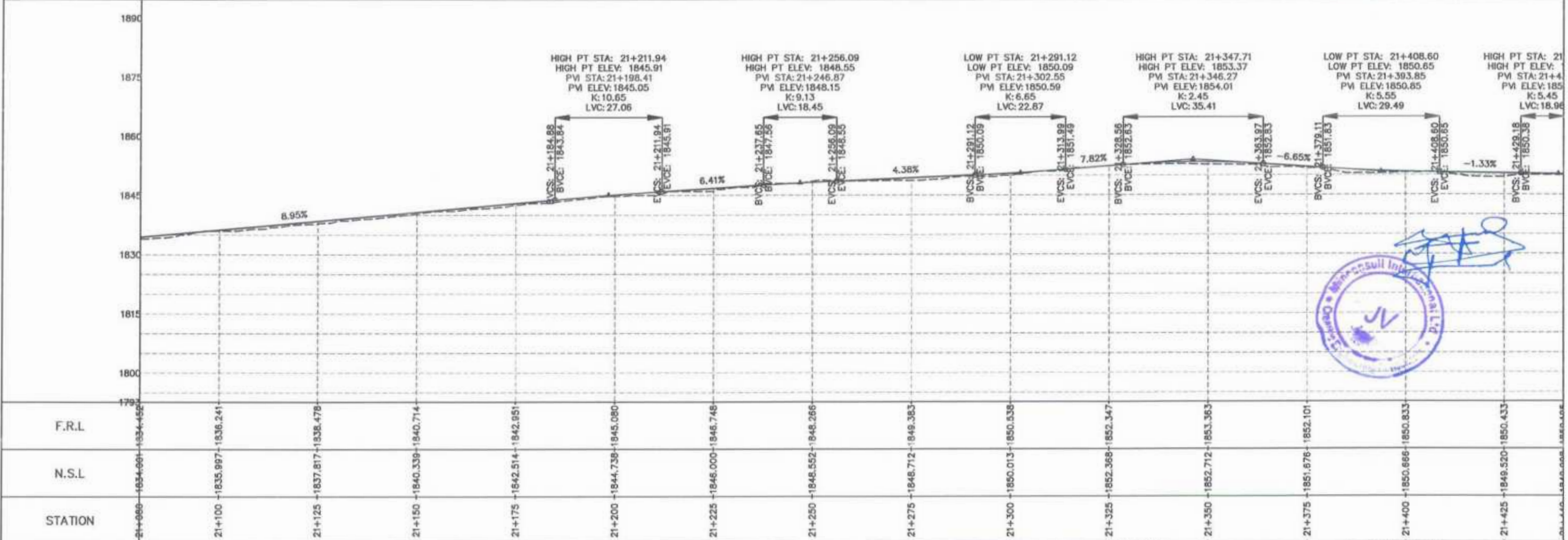
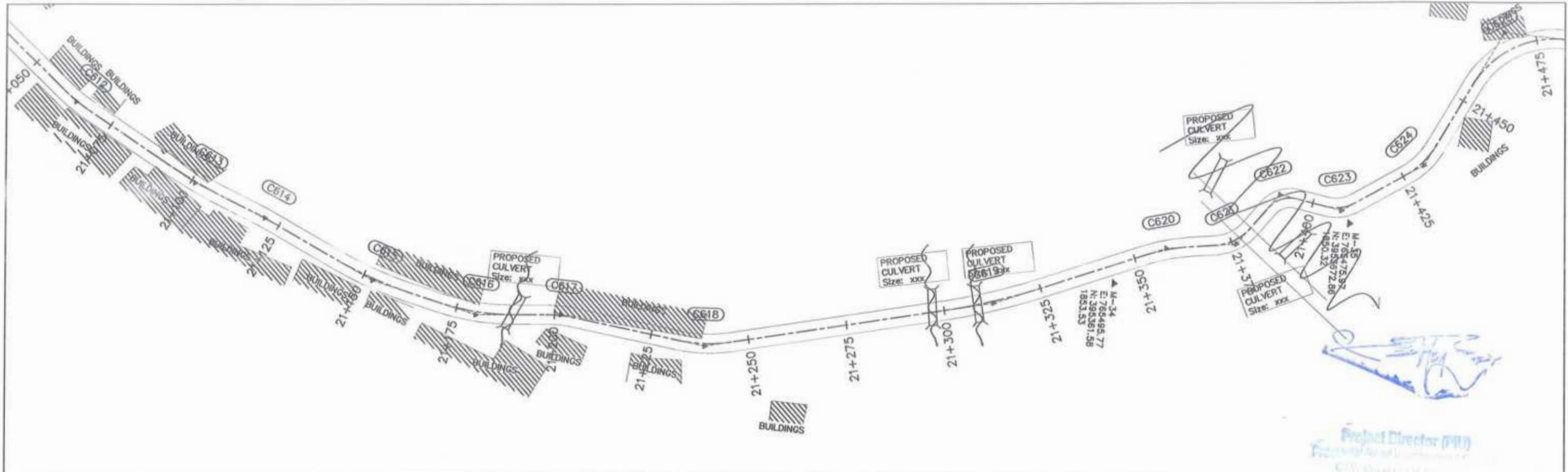


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Ministry of Transport & Infrastructure
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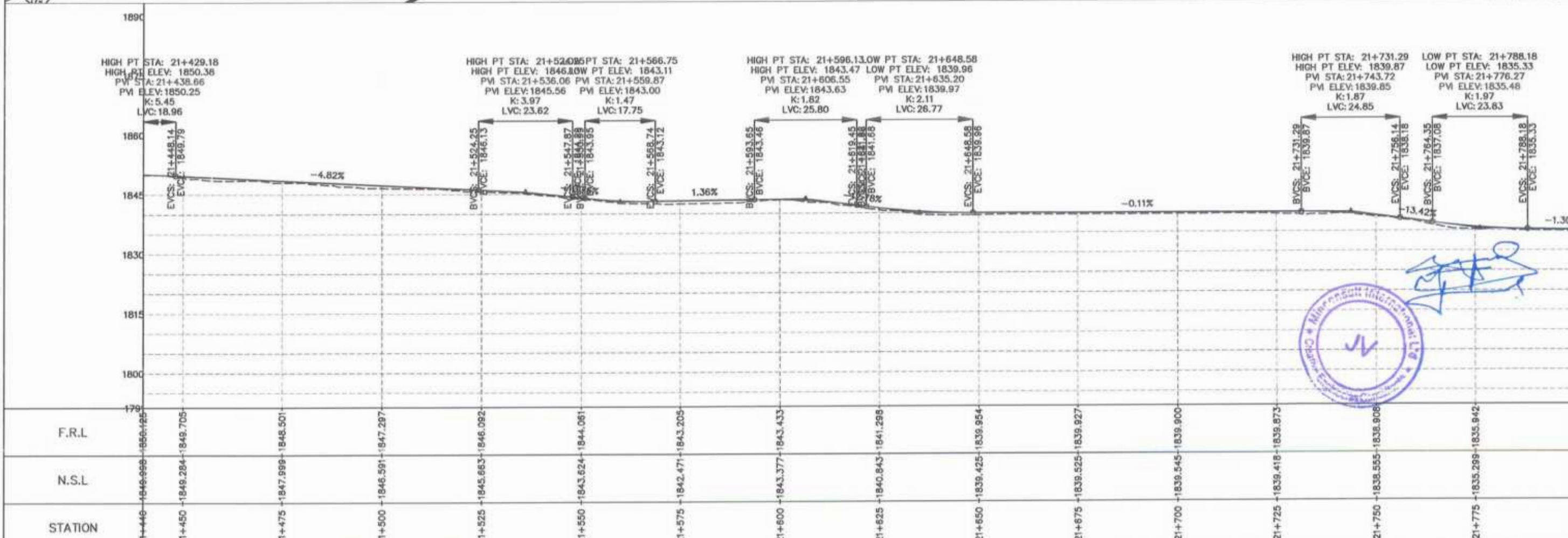
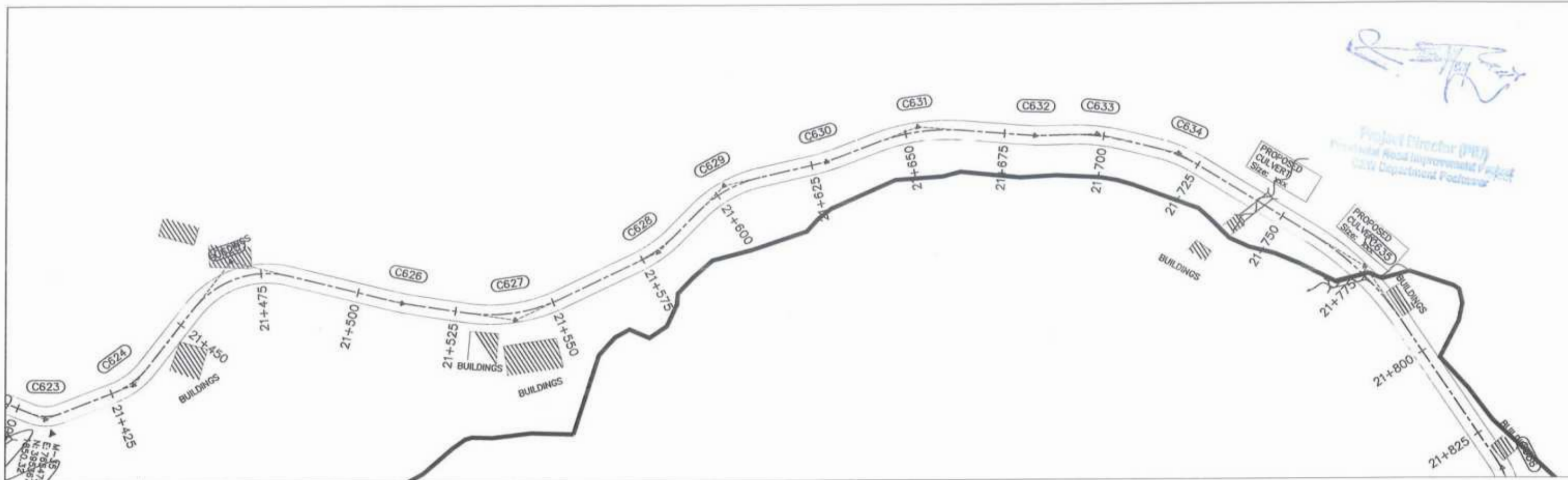
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GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000 DATE: Aug 2024 DWG NO: CEC/HWRRDP/N-CHT-1/PP/	PLAN & PROFILE 20+720.00 - 21+080.00 3
		a			DRAWN	MANSOOR				
		b			CHECKED	S-DURRANI				
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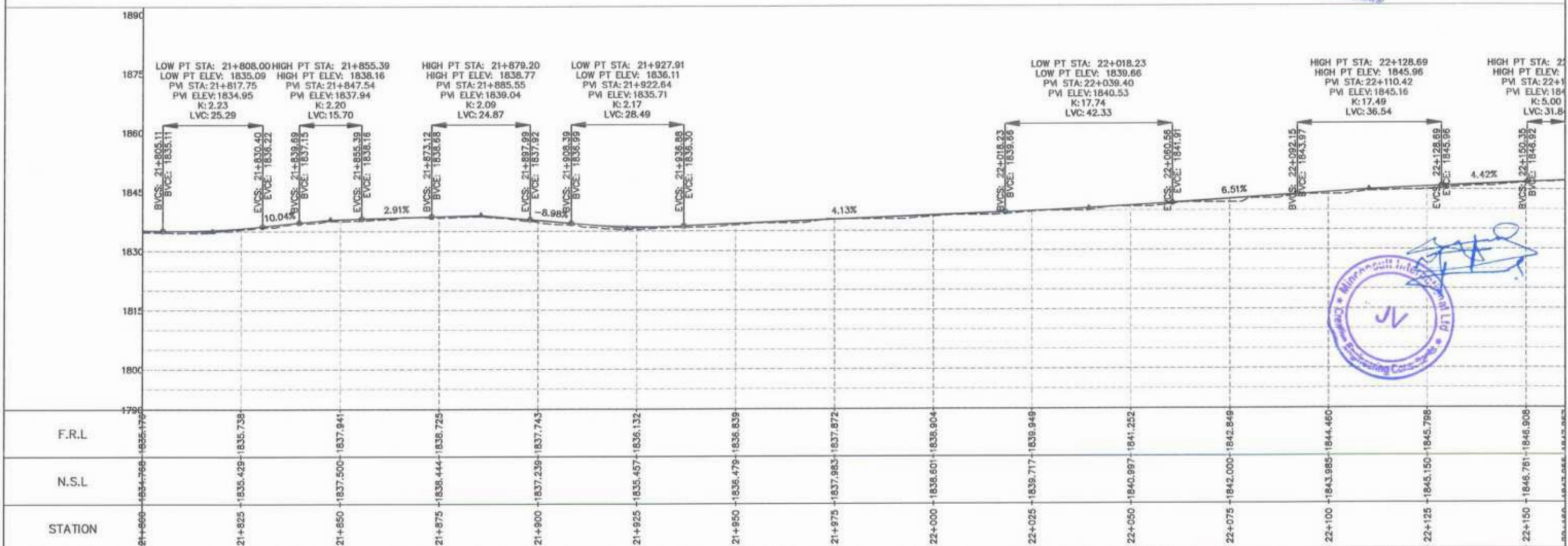
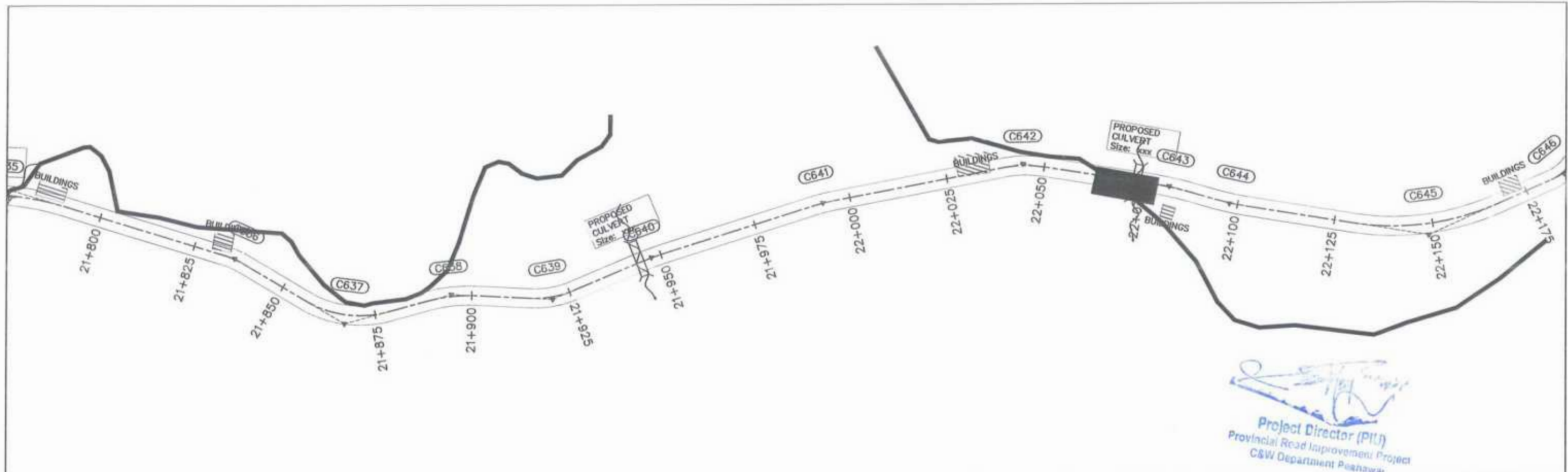
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	<p>SHEET CONTENT:</p> <p>PLAN & PROFILE 21+080.00 - 21+440.00</p> <p>Aug 2024</p> <p>DWG NO: CEC/HR/RRDP/N-CHT-1/PP/ 4</p>	
		0	Aug 2024	Tender Drawings.	G. DESIGNED	S-DURRANI	<p>KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>	N-CHT-1		H=1:1000
		a			DRAWN	MANSOOR		Shesha To Madacasht		DATE:
		b			CHECKED	S-DURRANI		Flood Affected		
c			APPROVED	AQEEL YOUNIS						



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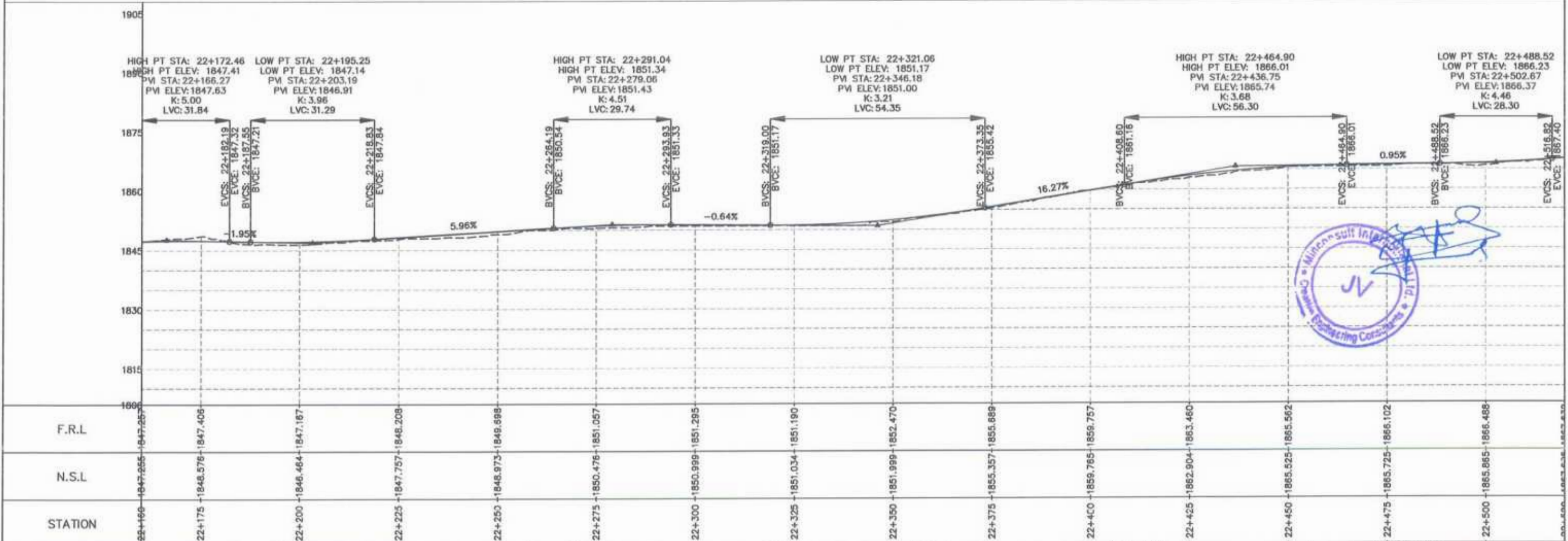
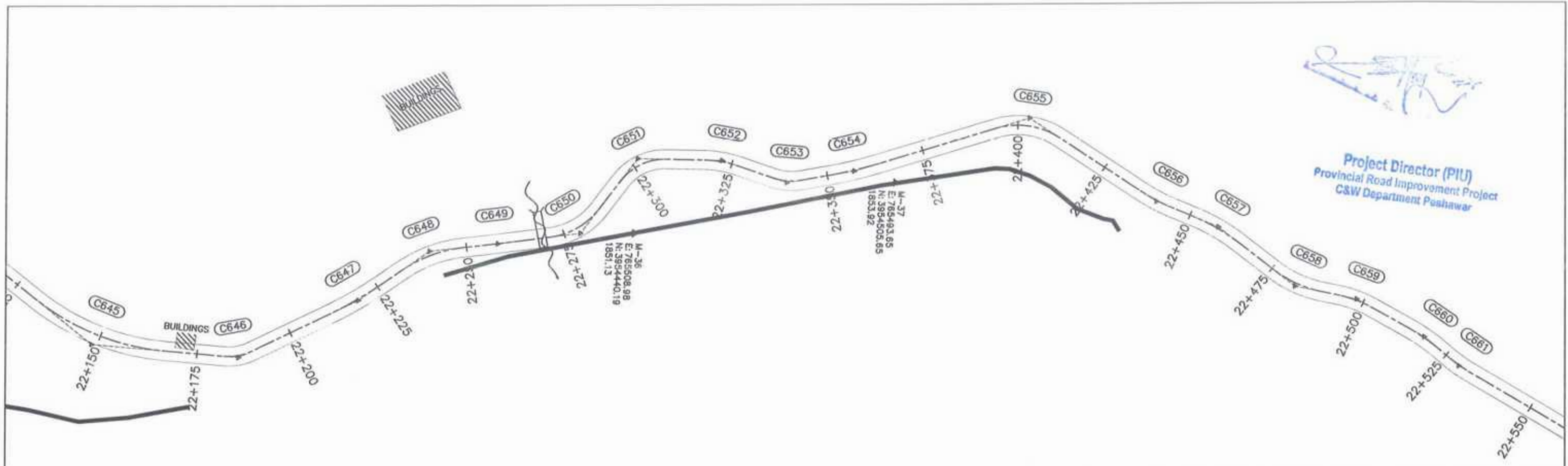
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000	PLAN & PROFILE 21+440.00 - 21+800.00 DWG NO: CEC/RW/RRDP/N-CHT-1/PP/ 5
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	
		b			CHECKED	S-DURRANI	Aug 2024		
		c			APPROVED	AQEEL YOUNIS			



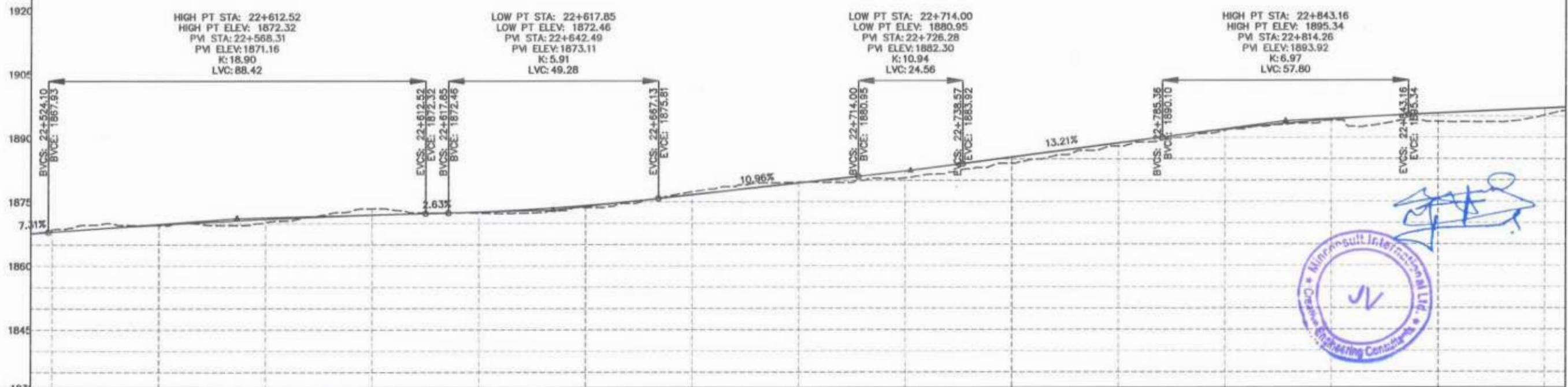
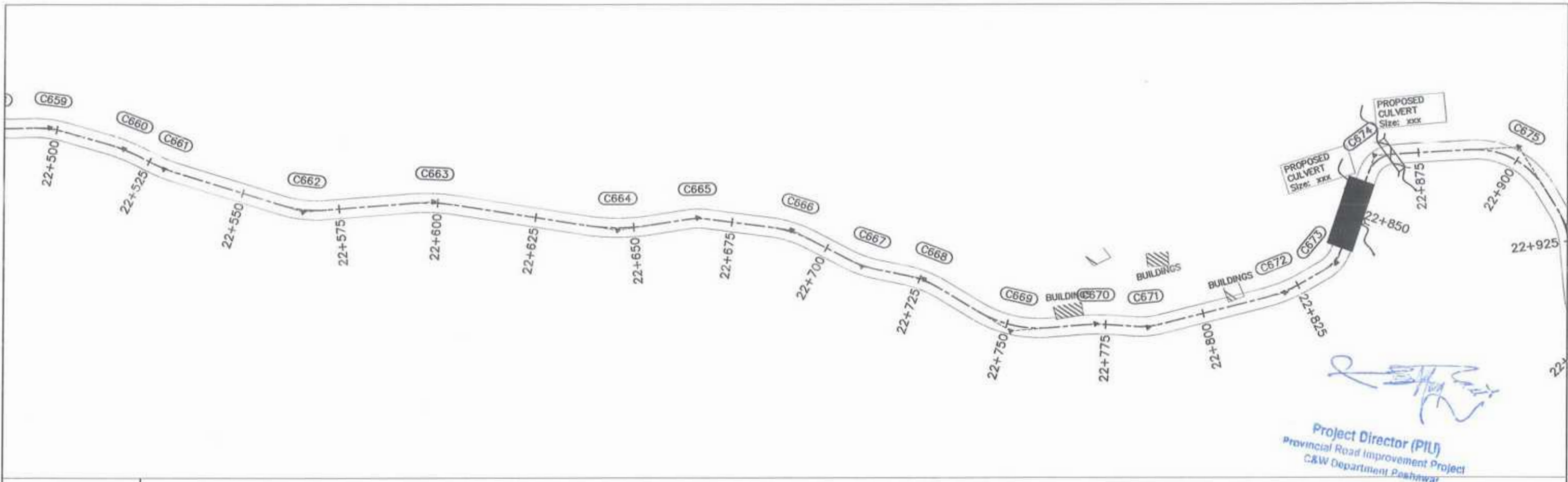
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
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		a			DRAWN	MANSOOR				
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c			APPROVED	AQEEL YOUNIS						



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Provincial Road Improvement Project
CSW Department Peshawar

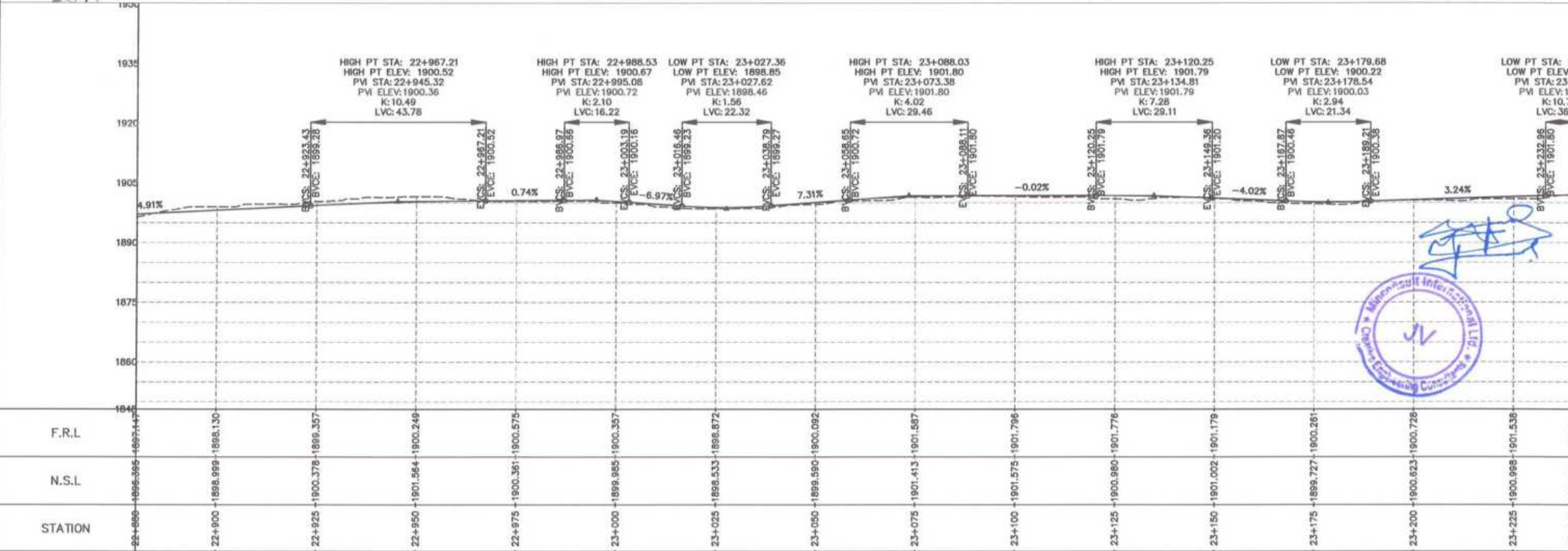
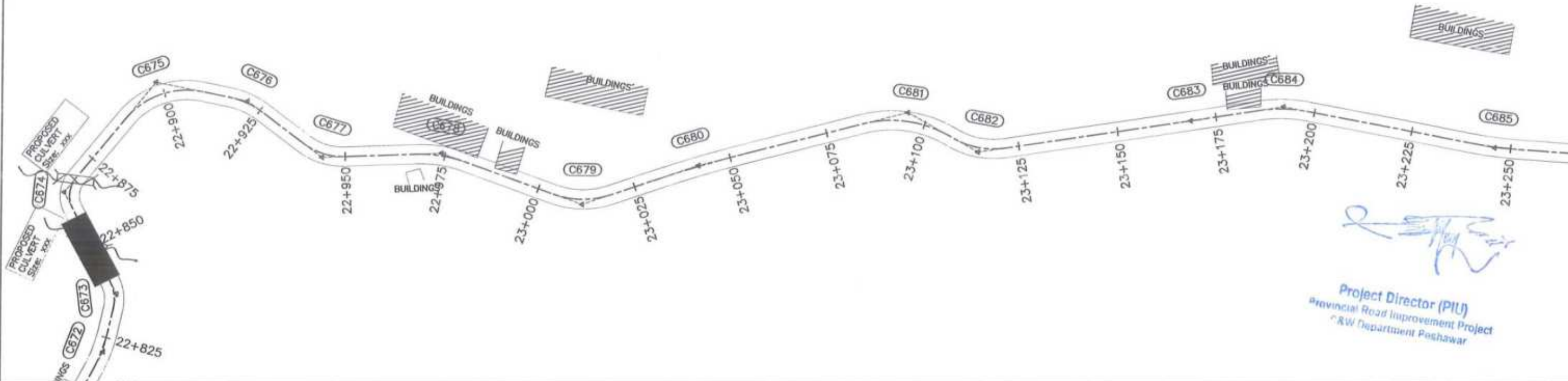


<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasthi Flood Affected	H=1:1000	DATE: Aug 2024	PLAN & PROFILE 22+160.00 - 22+520.00 DWG NO: CEC/HWRDP/N-CHT-1/PP/ 7
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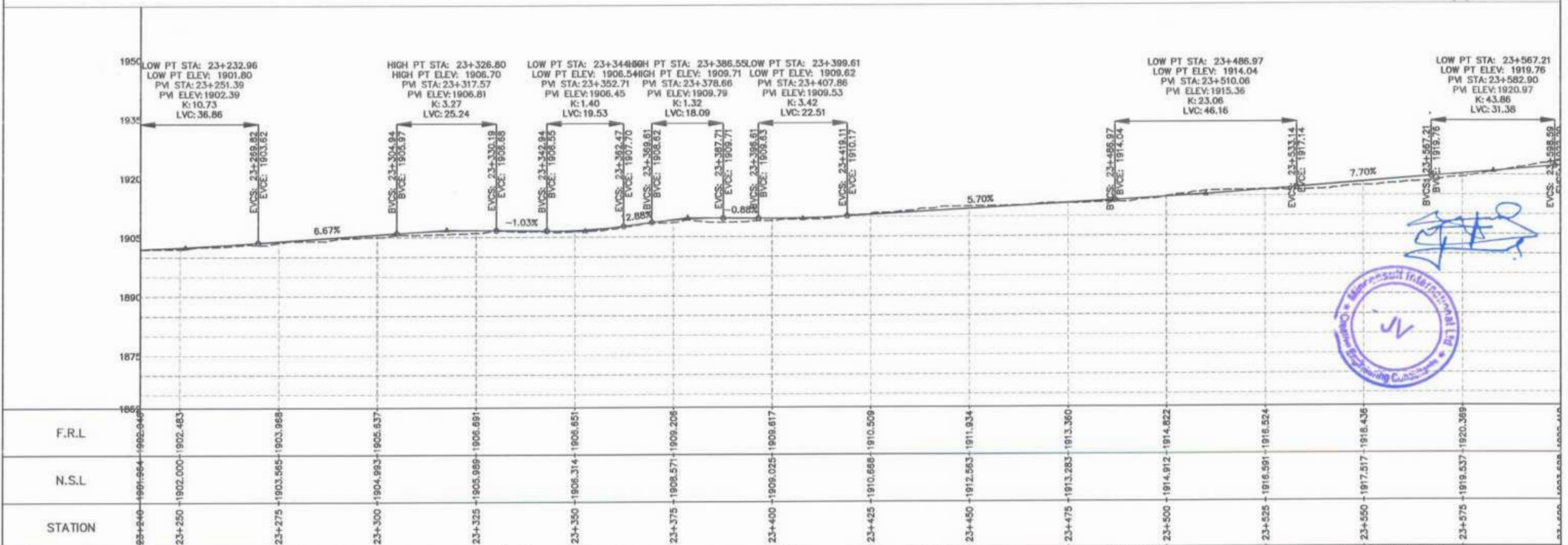
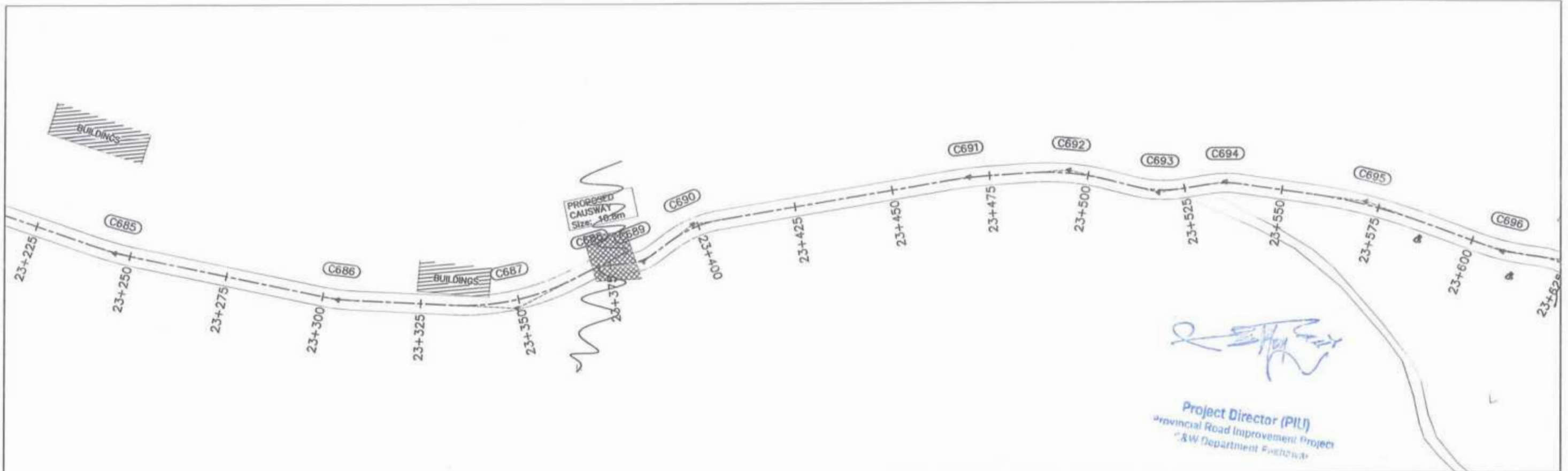


F.R.L	22+500 - 1867.032	22+525 - 1868.491	22+550 - 1869.507	22+575 - 1870.205	22+600 - 1873.435	22+625 - 1872.412	22+650 - 1873.687	22+675 - 1877.420	22+700 - 1879.800	22+725 - 1880.589	22+750 - 1883.989	22+775 - 1887.991	22+800 - 1891.728	22+825 - 1894.013	22+850 - 1893.718	22+875 - 1895.280	22+900 - 1896.447
N.S.L	22+500 - 1867.606	22+525 - 1868.491	22+550 - 1869.507	22+575 - 1870.205	22+600 - 1873.435	22+625 - 1872.412	22+650 - 1873.687	22+675 - 1877.420	22+700 - 1879.800	22+725 - 1880.589	22+750 - 1883.989	22+775 - 1887.991	22+800 - 1891.728	22+825 - 1894.013	22+850 - 1893.718	22+875 - 1895.280	22+900 - 1896.447
STATION	22+500	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

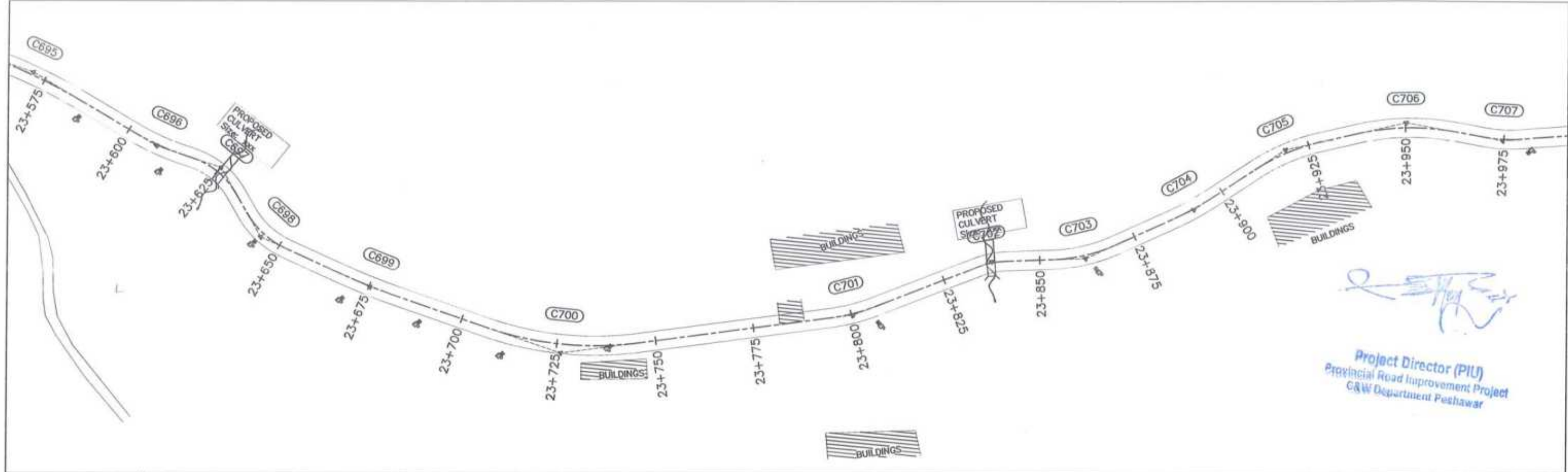
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madakasht Flood Affected	H=1:1000		
		a			DRAWN	MANSOOR					
		b			CHECKED	S-DURRANI					
c			APPROVED	AQEEL YOUNIS							
										DATE:	22+520.00 - 22+880.00
										Aug 2024	DWG NO: CECHW/RRDP/N-CHT-1/PP/



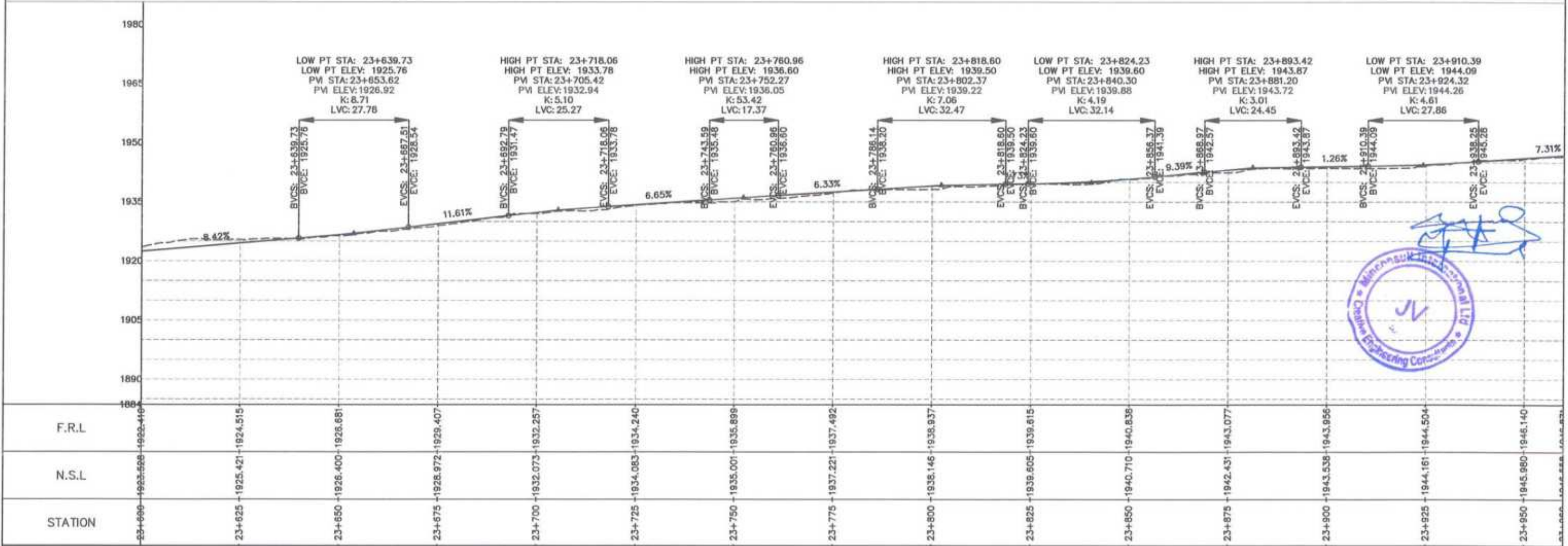
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GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD <small>(COMPANY NO. 58835-F)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED: S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 22+880.00 - 23+240.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 9
		a			DRAWN: MANSOOR				
		b			CHECKED: S-DURRANI				
		c			APPROVED: AQEEL YOUNIS				
							DATE: Aug 2024		



CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58535-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings.	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000	PLAN & PROFILE 23+240.00 - 23+600.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 10
		a			DRAWN MANSOOR			DATE:	
		b			CHECKED S-DURRANI			Aug 2024	
		c			APPROVED AQEEL YOUNIS				

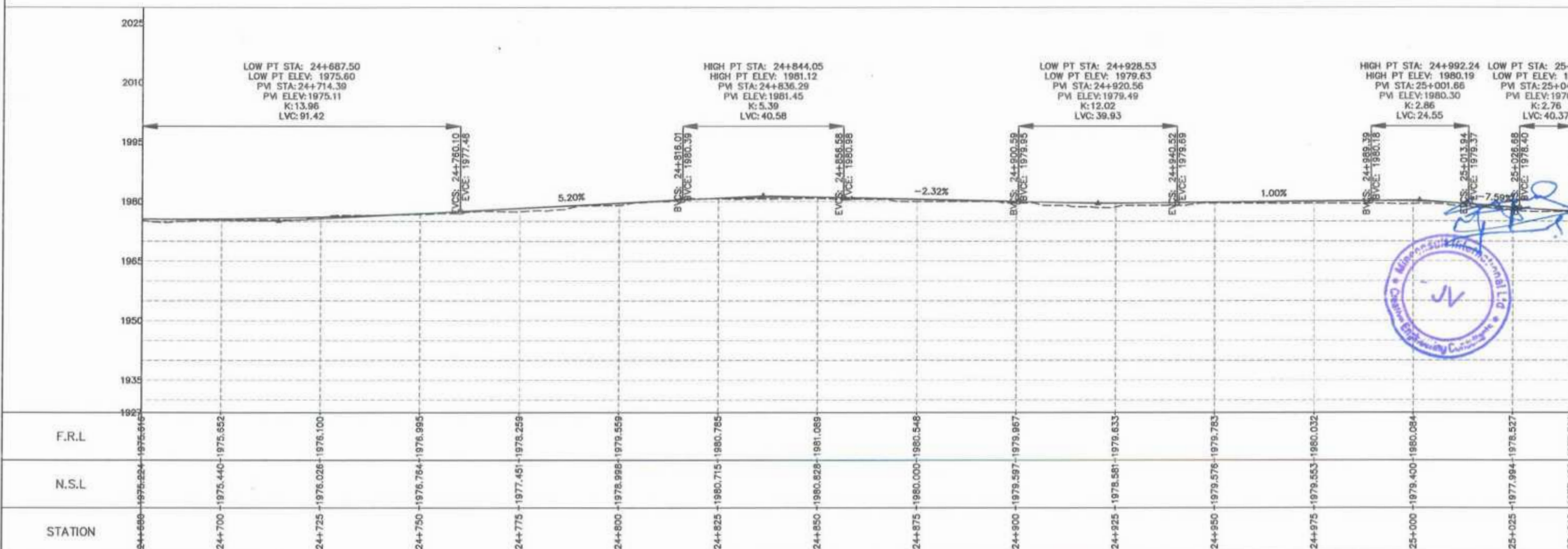
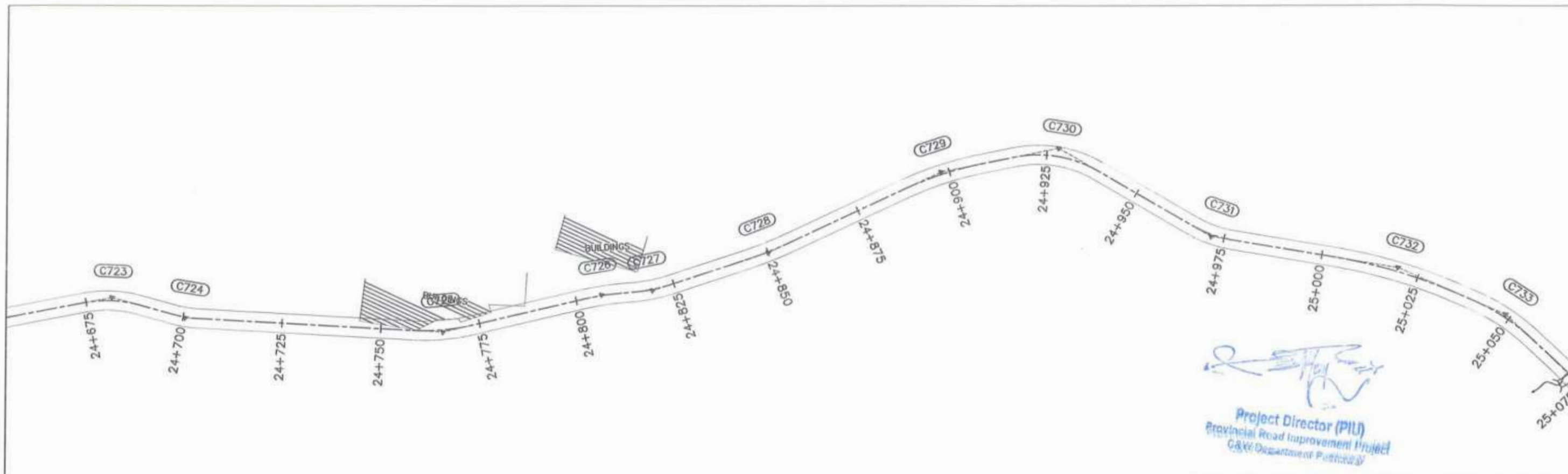


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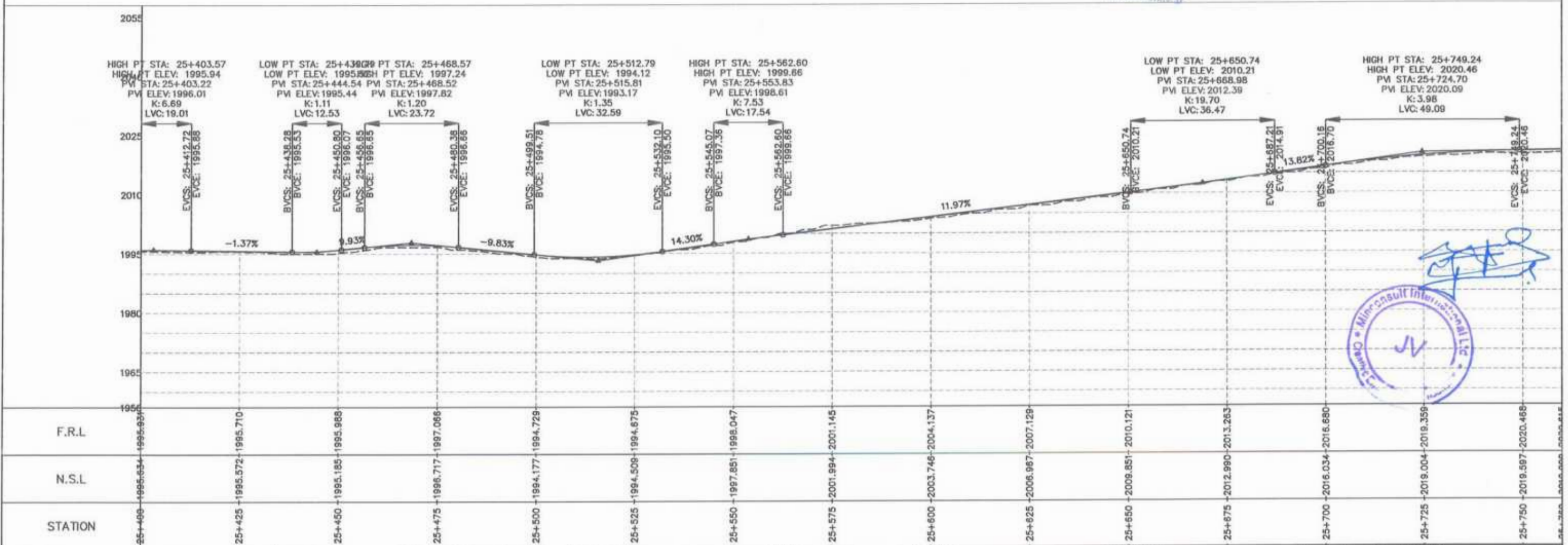
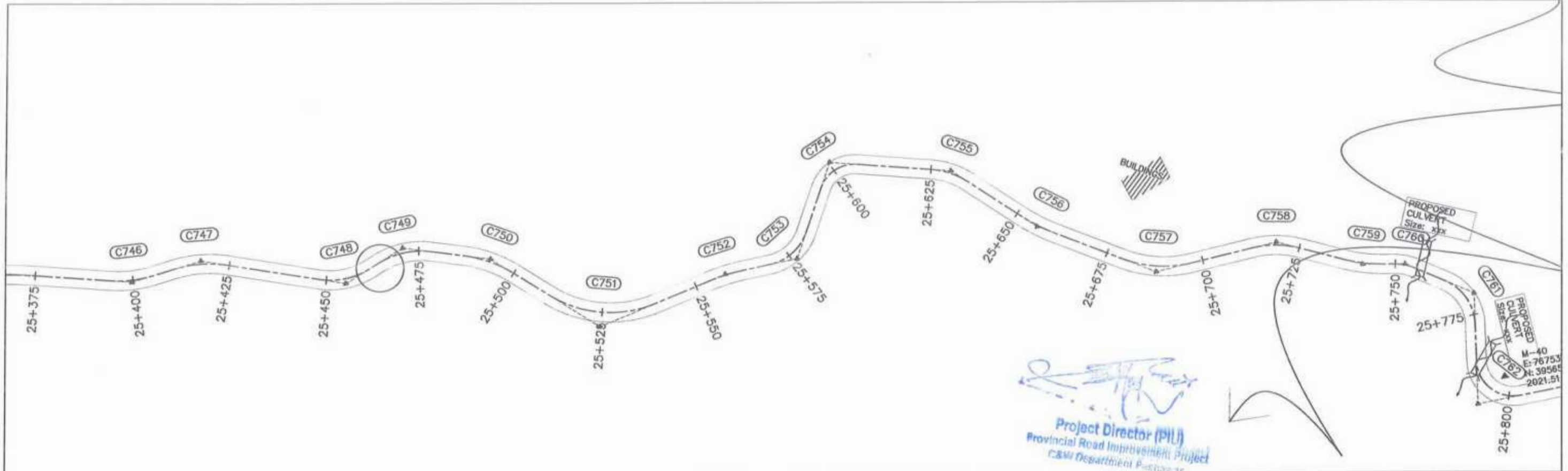


CREATIVE ENGINEERING CONSULTANTS (CEC)
 Peshawar

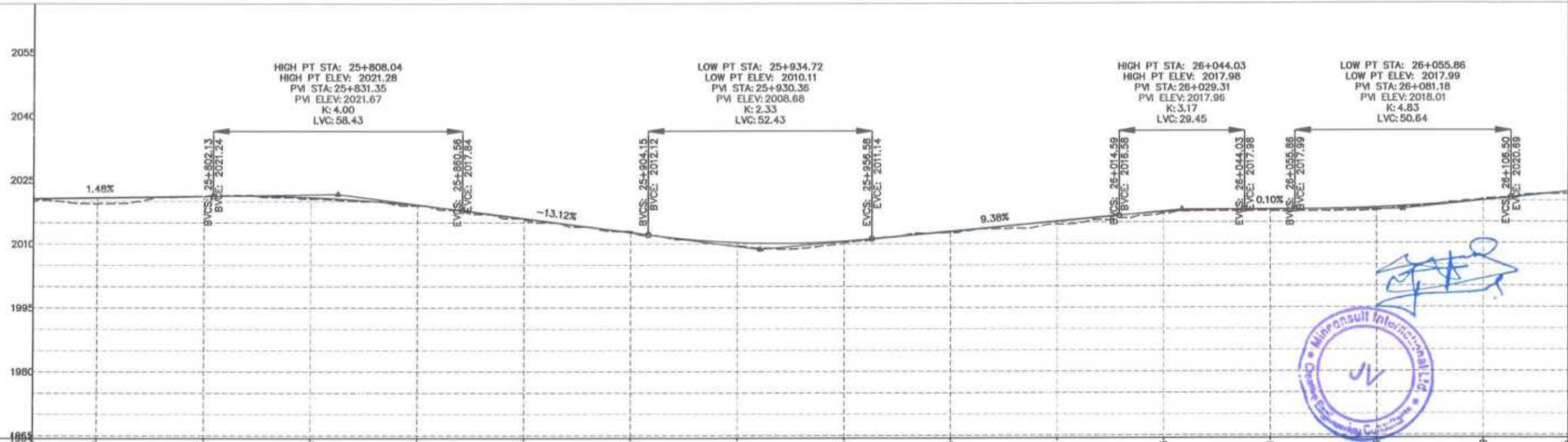
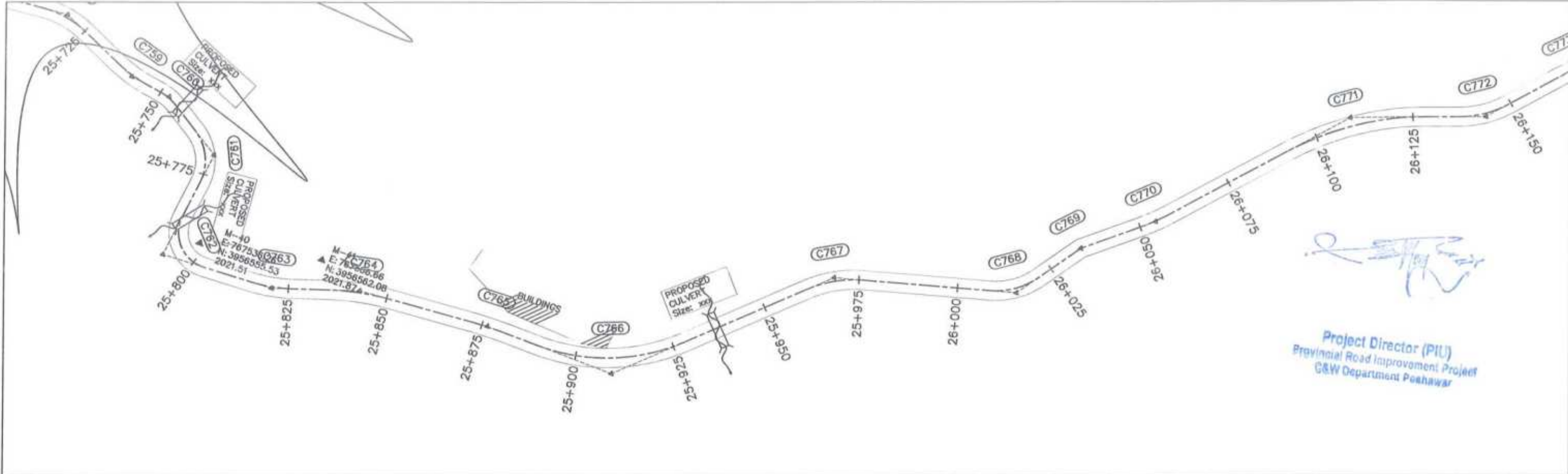
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58835-P)</p> <p>J.V.</p> <p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	<p>PROJECT:</p> <p>KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>ROAD NAME:</p> <p>N-CHT-1 Shesha To Madaicashi Flood Affected</p>	SCALE:	<p>SHEET CONTENT:</p> <p>PLAN & PROFILE 23+600.00 - 23+960.00</p>	
		0	Aug 2024	Tender Drawings.	G.DESIGNED			S-DURRANI		H=1:1000
		a			DRAWN			MANSOOR		DATE:
		b			CHECKED			S-DURRANI		Aug 2024
			c		APPROVED	AQEEL YOUNIS		DWG NO: CEC/HW/RRDP/N-CHT-1/PP/11		



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	S-DURRANI	N-CHT-1 Shesha To Madalcashl Flood Affected	H=1:1000	PLAN & PROFILE 24+680.00 - 25+040.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 14
		a			DRAWN	MANSOOR			
		b			CHECKED	S-DURRANI			
		c			APPROVED	AQEEL YOUNIS			
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)		NAMES: G.DESIGNED: S-DURRANI DRAWN: MANSOOR CHECKED: S-DURRANI APPROVED: AQEEL YOUNIS		PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		ROAD NAME: N-CHT-1 Shesha To Madalcashl Flood Affected	

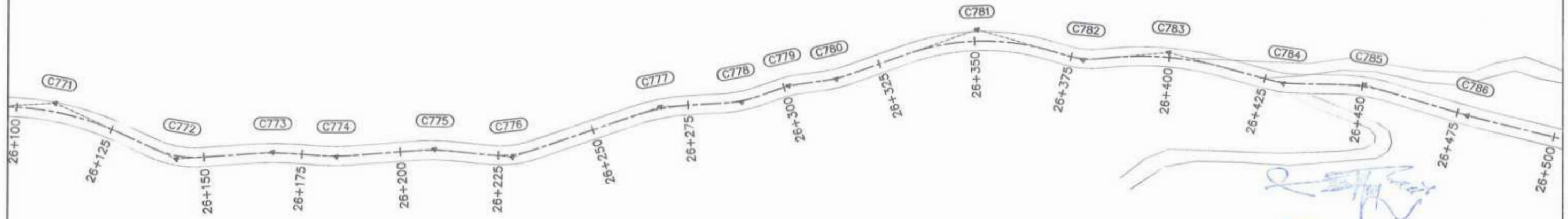


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G. DESIGNED	S-DURRANI	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 25+400.00 - 25+760.00 DWG NO: CEC/NW/RRDP/N-CHT-1/PP/ 16	
		a			DRAWN	MANSOOR				DATE:
		b			CHECKED	S-DURRANI				Aug 2024
		c			APPROVED	AQEEL YOUNIS				
					PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)					

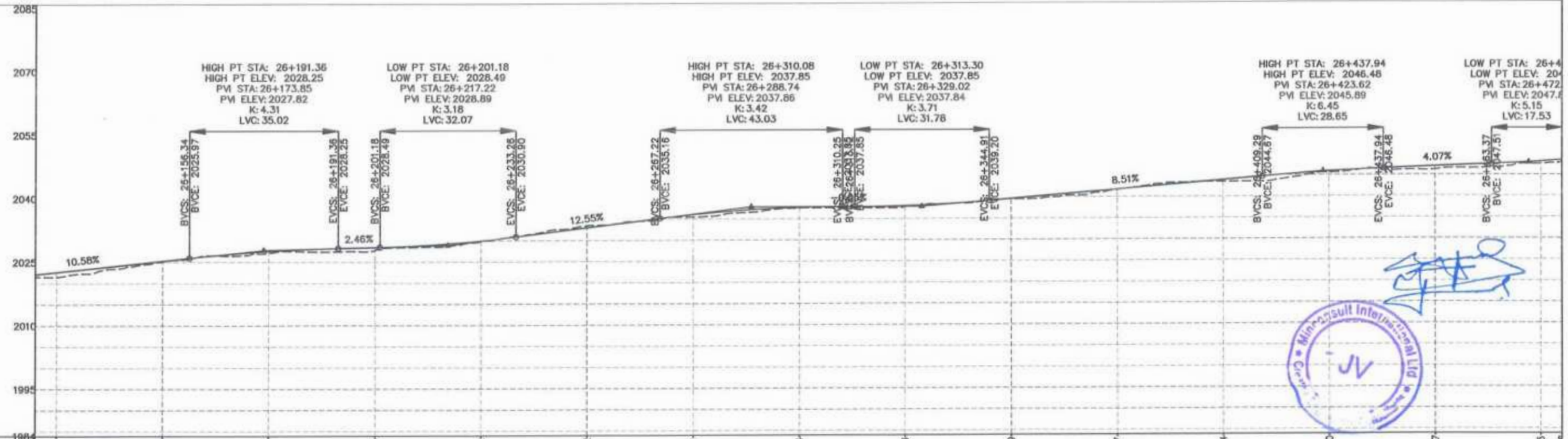


F.R.L	25+760 - 2019.999	25+775 - 2019.506	25+800 - 2021.256	25+825 - 2020.598	25+850 - 2018.975	25+875 - 2015.802	25+900 - 2012.958	25+925 - 2009.510	25+950 - 2010.123	25+975 - 2012.629	26+000 - 2014.536	26+025 - 2016.998	26+050 - 2017.611	26+075 - 2017.695	26+100 - 2020.336	26+120 - 2020.049
N.S.L	2019.999	2019.506	2021.256	2020.598	2018.975	2015.802	2012.958	2009.510	2010.123	2012.629	2014.536	2016.998	2017.611	2017.695	2020.336	2020.049
STATION	25+760	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	26+120

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:		
		0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 Shesha To Madaicasht Flood Affected	H=1:1000
		a			DRAWN	MANSOOR						DATE:
		b			CHECKED	S-DURRANI						Aug 2024
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/HW/RRDP/N-CHT-1/PP/							

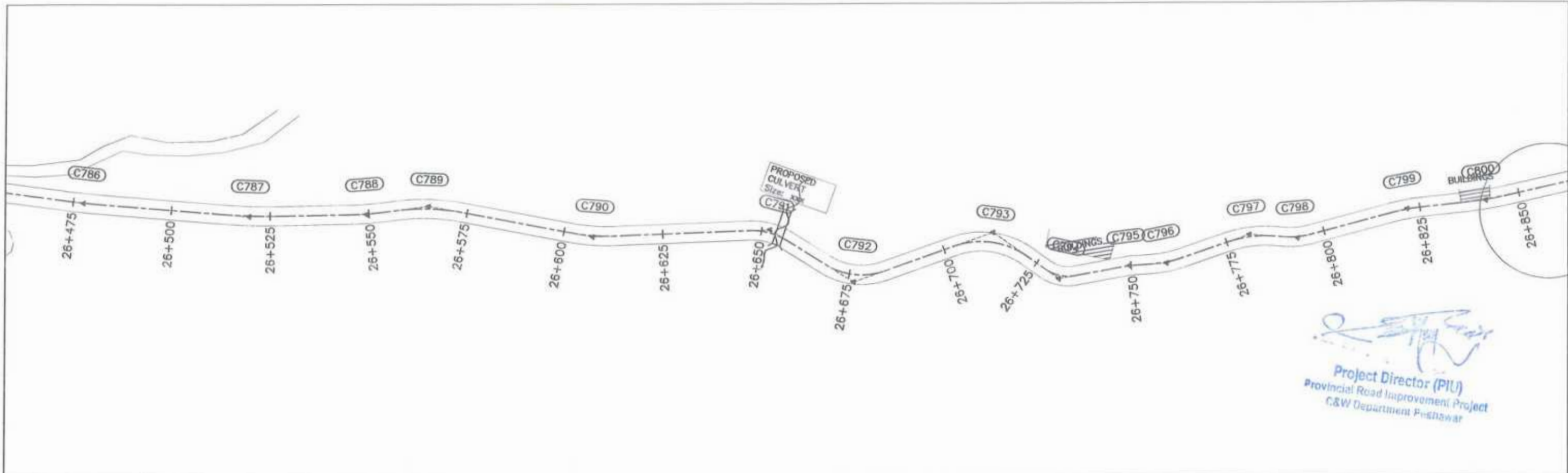


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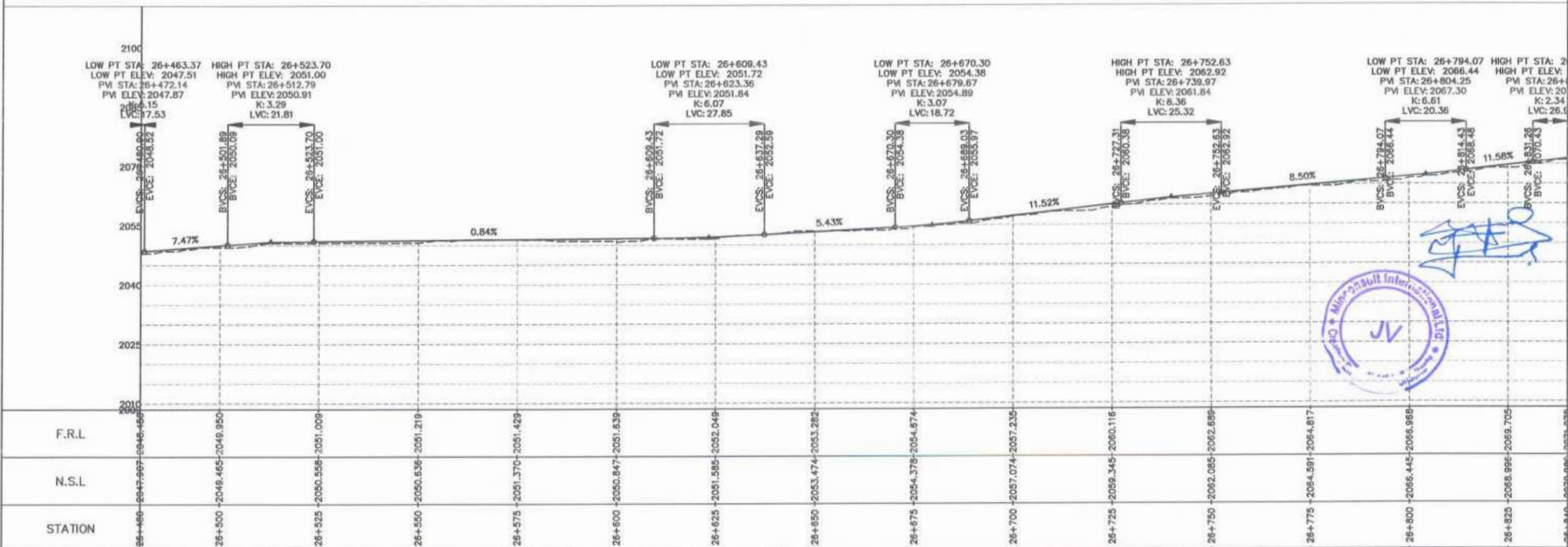


F.R.L	2091.531 - 2092.429	2022.651	2025.298	2027.540	2028.485	2028.972	2033.002	2036.051	2037.704	2038.036	2039.629	2041.757	2043.684	2045.620	2046.967	2048.115
N.S.L	2091.531 - 2092.429	2021.479 - 2022.651	2025.112 - 2025.298	2027.155 - 2027.540	2027.745 - 2028.485	2028.726 - 2028.972	2033.491 - 2033.002	2035.443 - 2036.051	2037.526 - 2037.704	2037.846 - 2038.036	2039.539 - 2039.629	2041.601 - 2041.757	2043.492 - 2043.684	2045.547 - 2045.620	2046.180 - 2046.967	2047.557 - 2048.115
STATION	26+125	26+150	26+175	26+200	26+225	26+250	26+275	26+300	26+325	26+350	26+375	26+400	26+425	26+450	26+475	

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	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: S-DURRANI DRAWN: MANSOOR CHECKED: S-DURRANI APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 Shesha To Madalcashit Flood Affected	SCALE: H=1:1000 DATE: Aug 2024	SHEET CONTENT: PLAN & PROFILE 26+120.00 - 26+480.00 DWG NO: CEC/RW/RRDP/N-CHT-1/PP/ 18

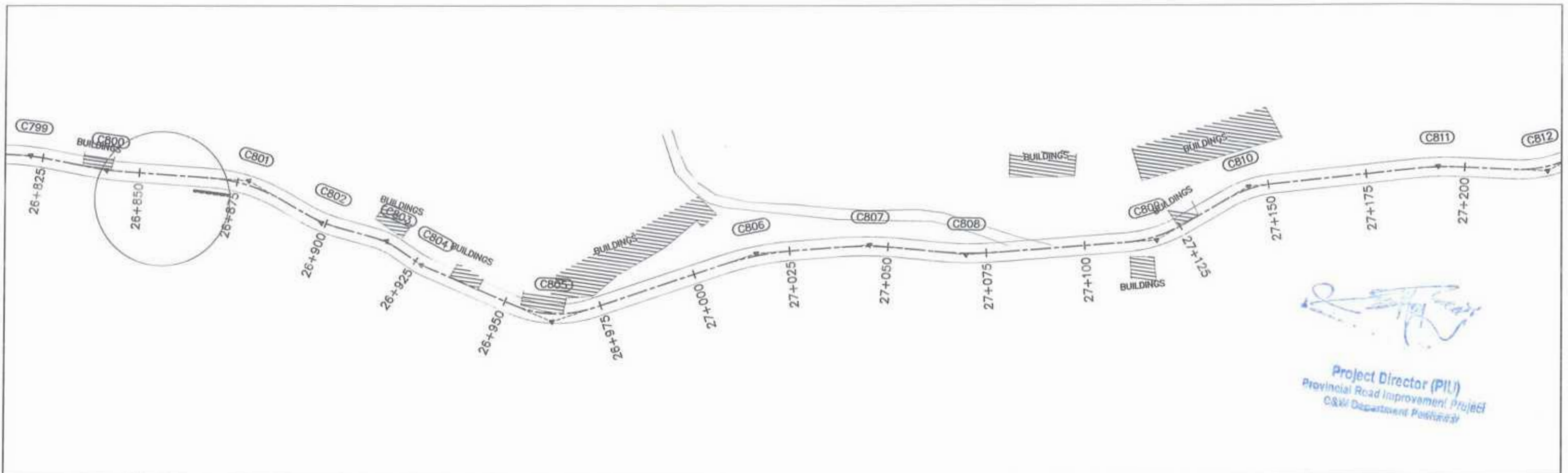


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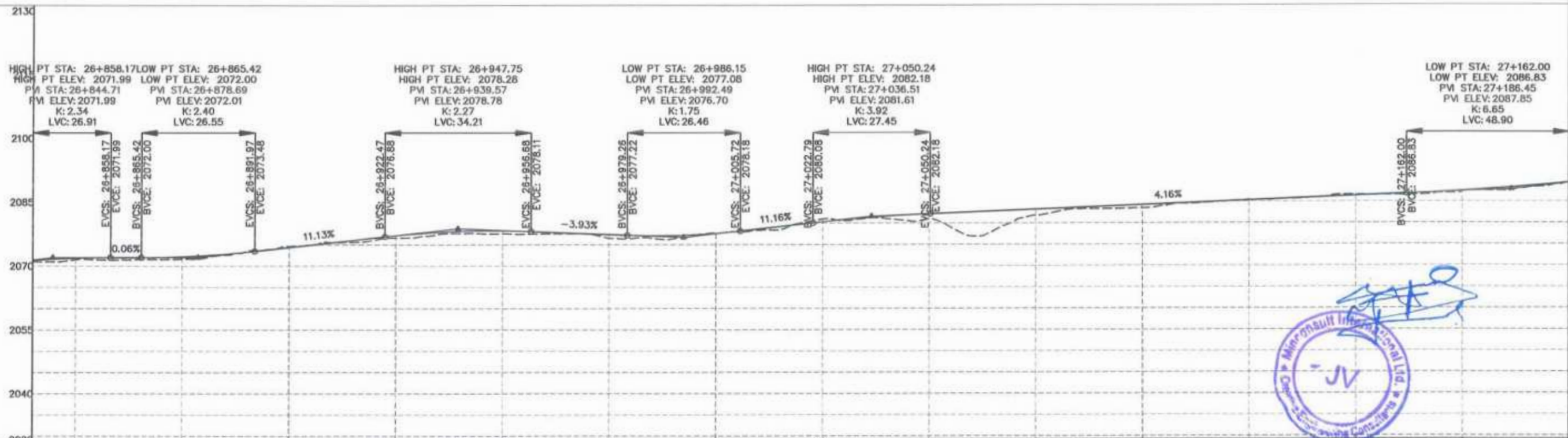


Signature
 Minconsult International Ltd.

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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashi Flood Affected	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 26+480.00 - 26+840.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 19
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		b			CHECKED S-DURRANI				
		c			APPROVED AGEEL YOUNIS				





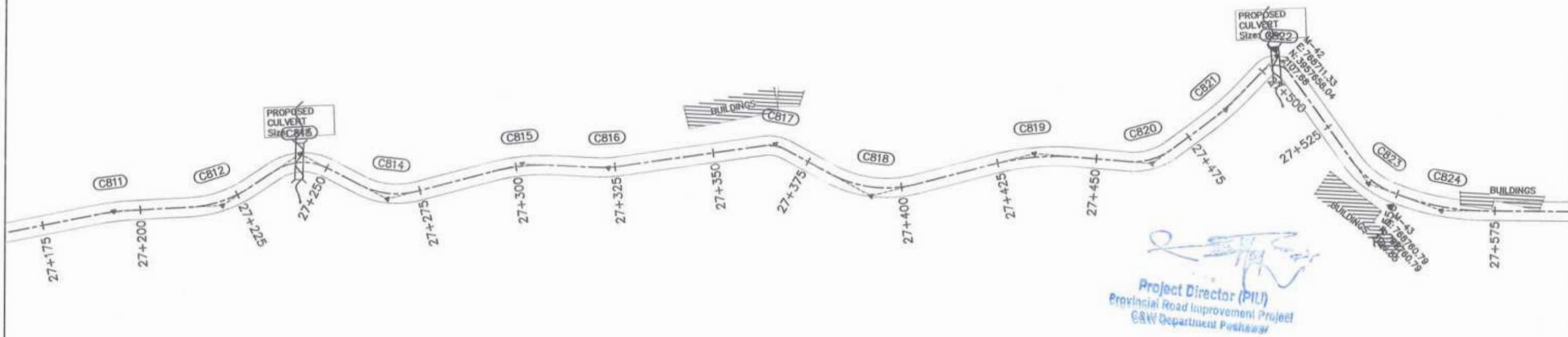

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 Provincial Road Improvement Project
 C&W Department Peshawar



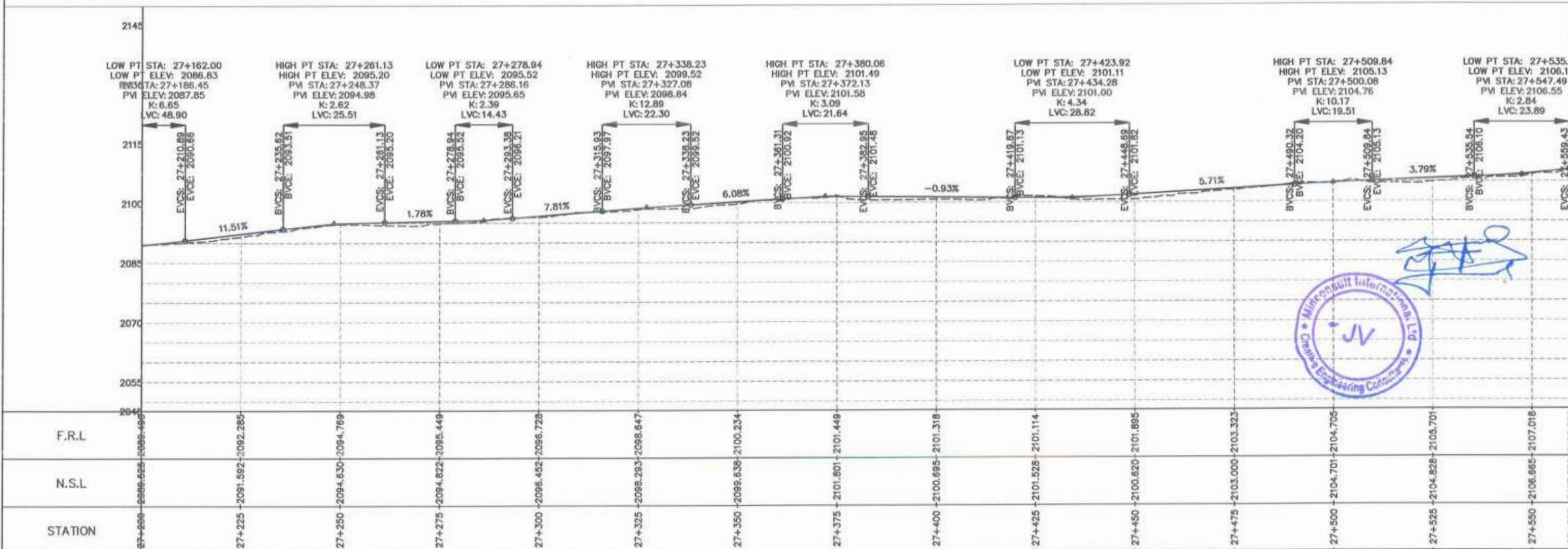



F.R.L	2076.989 - 2077.278	2071.482 - 2071.847	2071.639 - 2072.195	2074.631 - 2074.378	2076.589 - 2077.143	2077.630 - 2078.271	2076.528 - 2077.387	2077.692 - 2077.631	2080.956 - 2080.322	2081.013 - 2082.173	2081.786 - 2083.213	2083.497 - 2084.252	2085.419 - 2085.291	2086.576 - 2086.331	2087.234 - 2087.497
N.S.L															
STATION	26+840	26+850	26+875	26+900	26+925	26+950	26+975	27+000	27+025	27+050	27+075	27+100	27+125	27+150	27+175

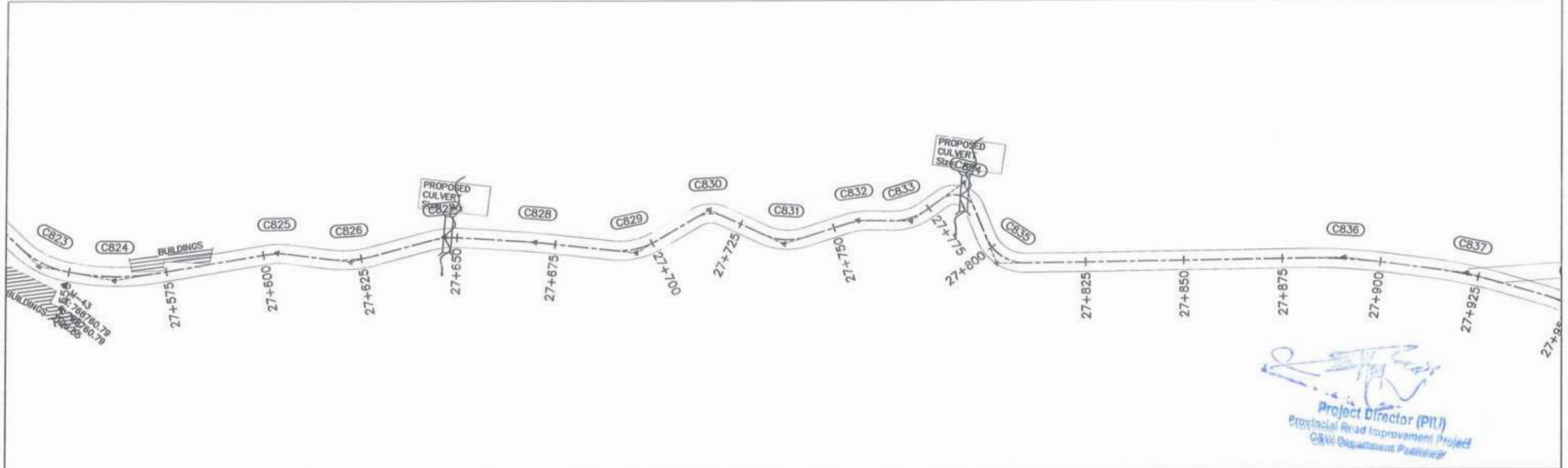
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD <small>(COMPANY NO. 58835-P)</small> J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1	H=1:1000	PLAN & PROFILE 26+840.00 - 27+200.00
		a			DRAWN	MANSOOR		Shesha To Madalcasht	DATE:	
		b			CHECKED	S-DURRANI		Aug 2024	DWG NO: CEG/HW/RRDP/N-CHT-1/PP/1 20	
c			APPROVED	AQEEL YOUNIS	Flood Affected					



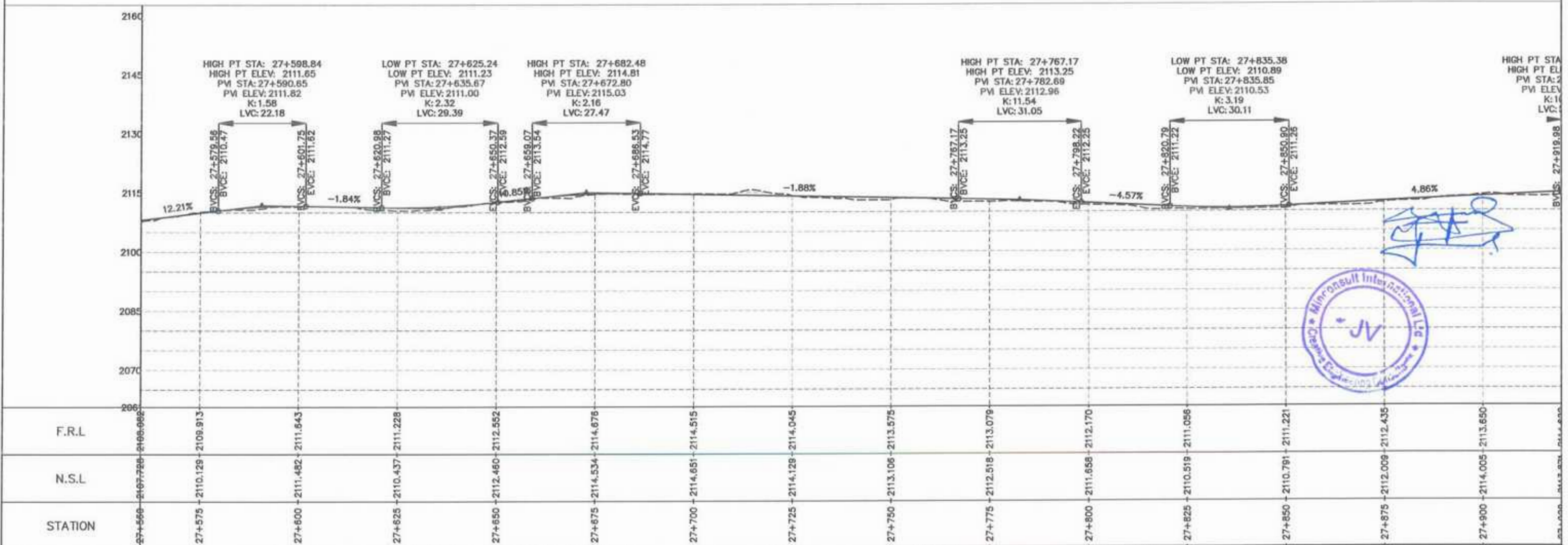
Project Director (PIU)
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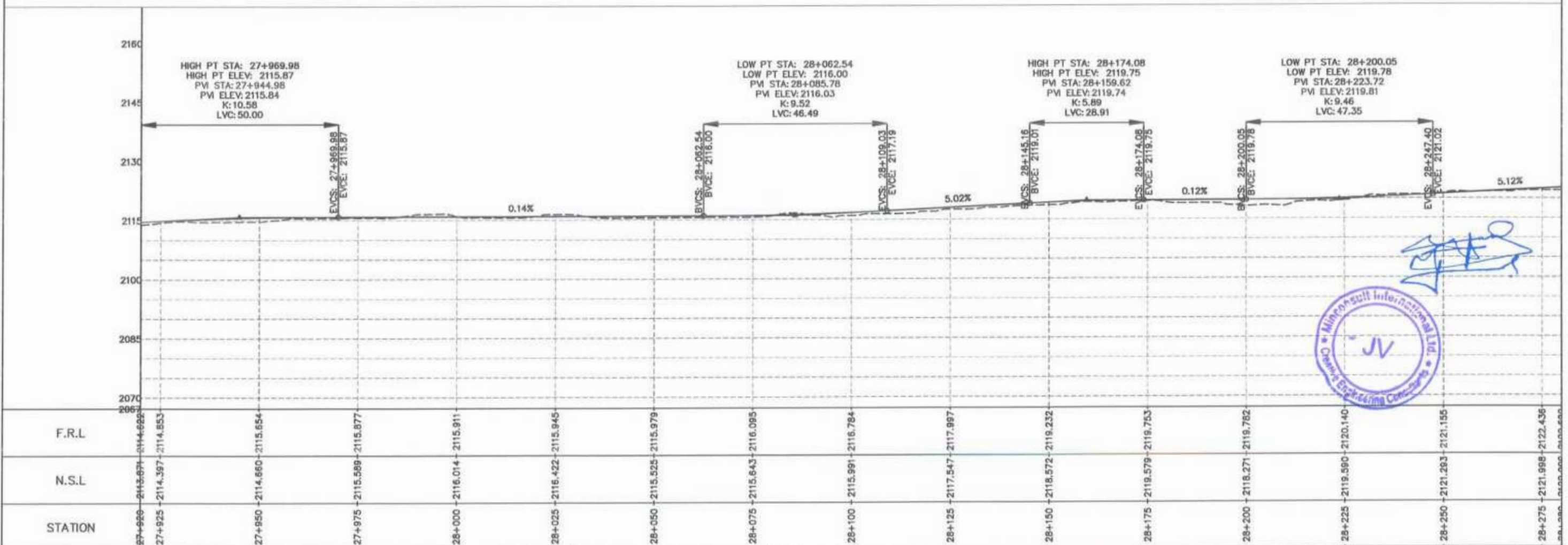
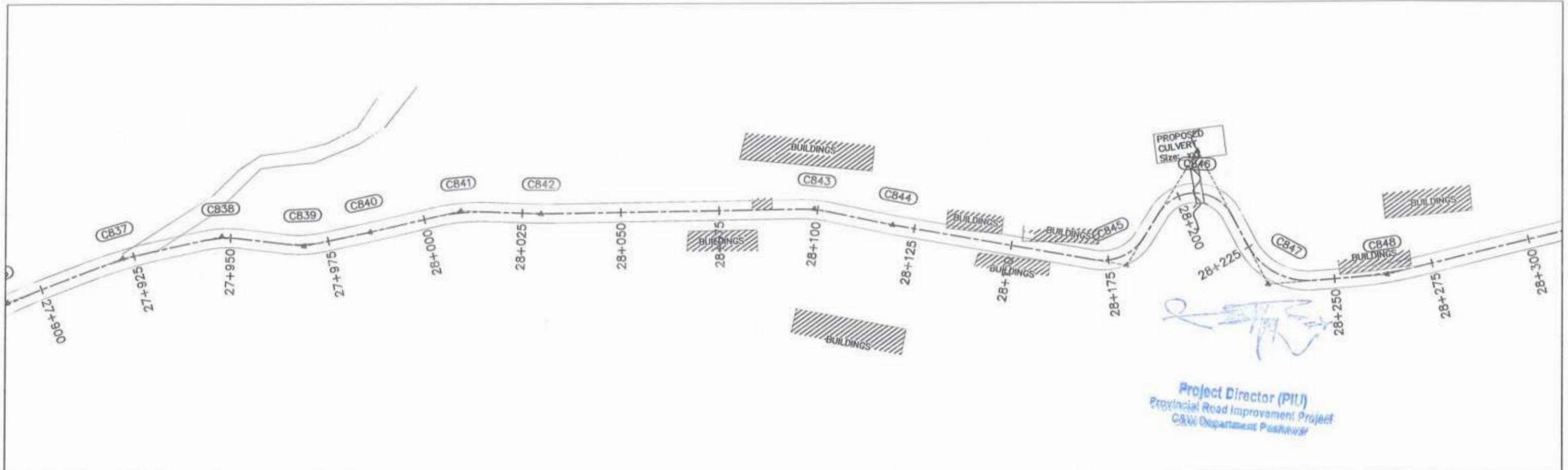
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GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashi Flood Affected	H=1:1000	PLAN & PROFILE 27+200.00 - 27+560.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 21
		a			DRAWN MANSOOR				
		b			CHECKED S-DURRANI				
		c			APPROVED AQEEL YOUNIS				



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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	S-DURRANI			KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000
		a			DRAWN	MANSOOR						DATE:
		b			CHECKED	S-DURRANI						Aug 2024.
c			APPROVED	AQEEL YOUNIS	DWG NO: CEC/RW/RRDP/N-CHT-1/PP/							



STATION	N.S.L	F.R.L
27+950	2114.660	2115.654
27+975	2115.589	2115.877
28+000	2116.014	2115.911
28+025	2116.422	2115.945
28+050	2115.525	2115.979
28+075	2115.643	2116.095
28+100	2115.991	2116.784
28+125	2117.547	2117.987
28+150	2118.572	2119.232
28+175	2119.579	2119.763
28+200	2118.271	2119.762
28+225	2119.690	2120.140
28+250	2121.293	2121.195
28+275	2121.998	2122.436

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

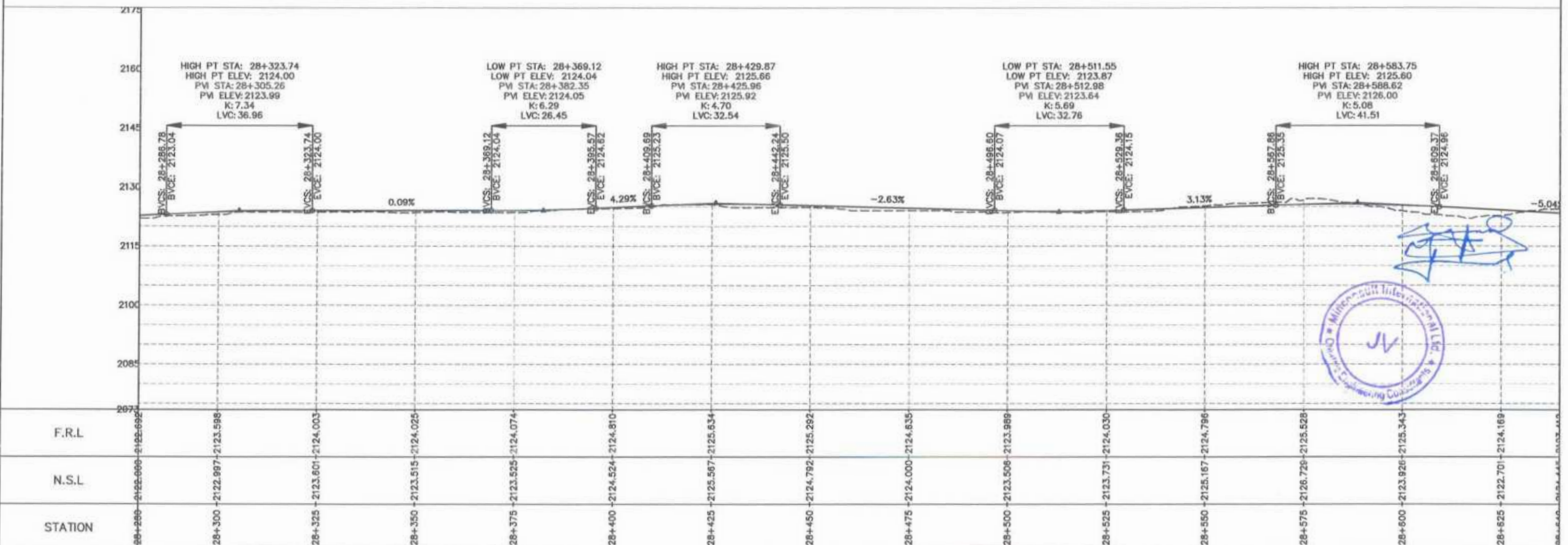
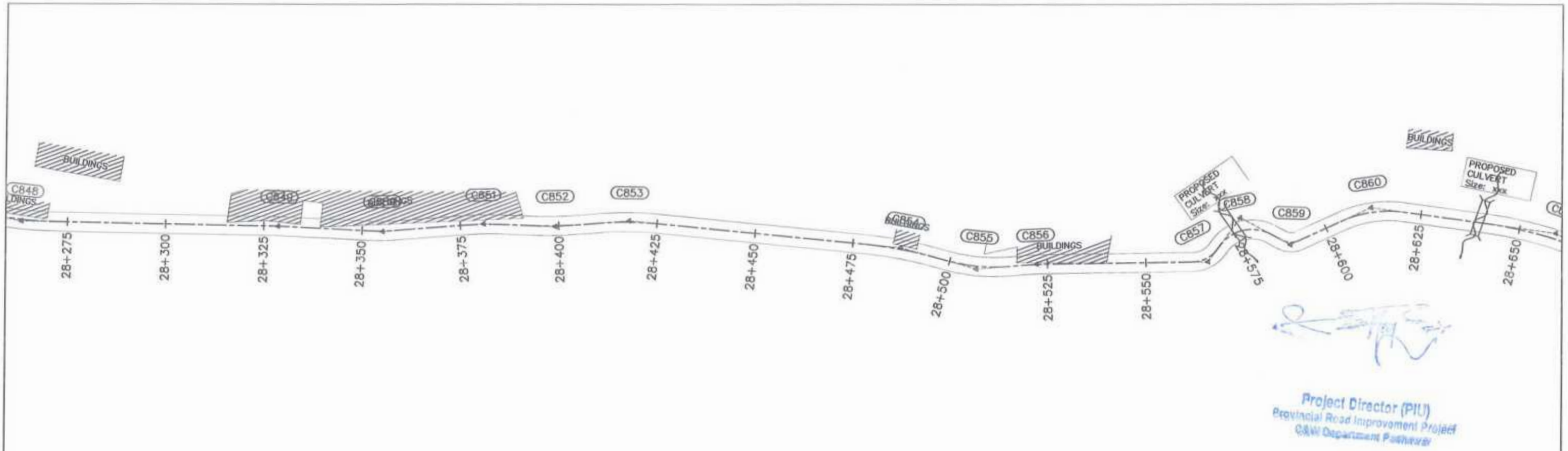
DESIGN CONSULTANT: (MIN - JV - CEC)
MINCONSULT SDN BHD (COMPANY NO. 58835-P)
J.V.
CREATIVE ENGINEERING CONSULTANTS (CEC)

REV	DATE	DESCRIPTION	NAMES:
0	Aug 2024	Tender Drawings	G.DESIGNED: S-DURRANI
a			DRAWN: MANSOOR
b			CHECKED: S-DURRANI
c			APPROVED: AQEEL YOUNIS

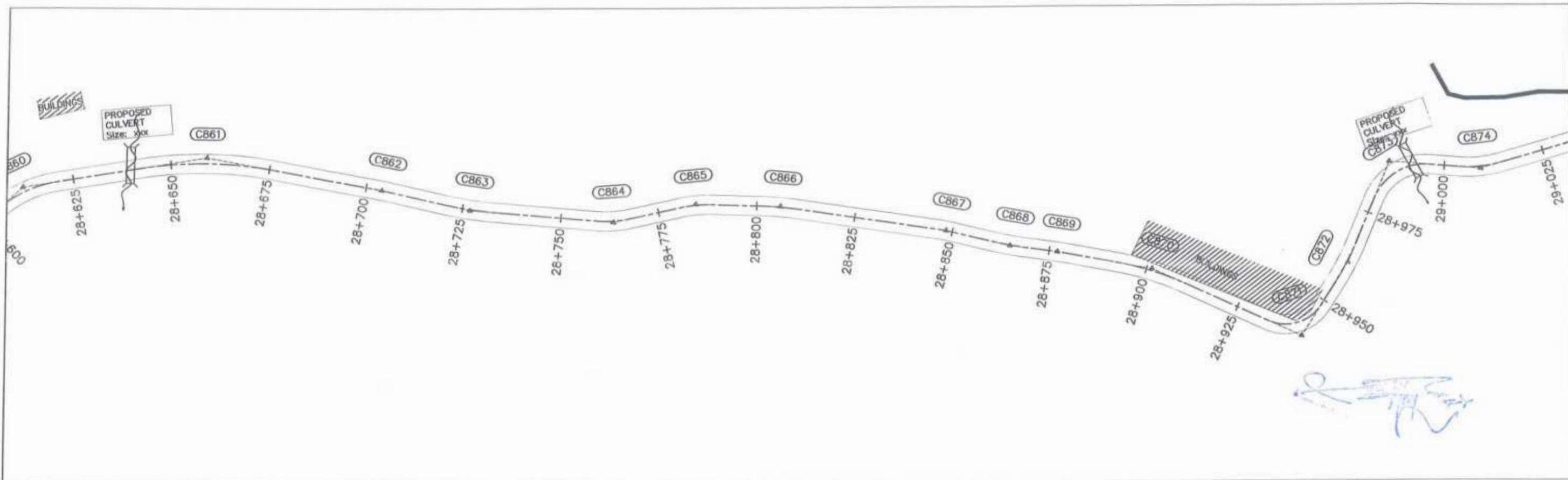
PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)

ROAD NAME: N-CHT-1
Shesha To Madalcaash
Flood Affected

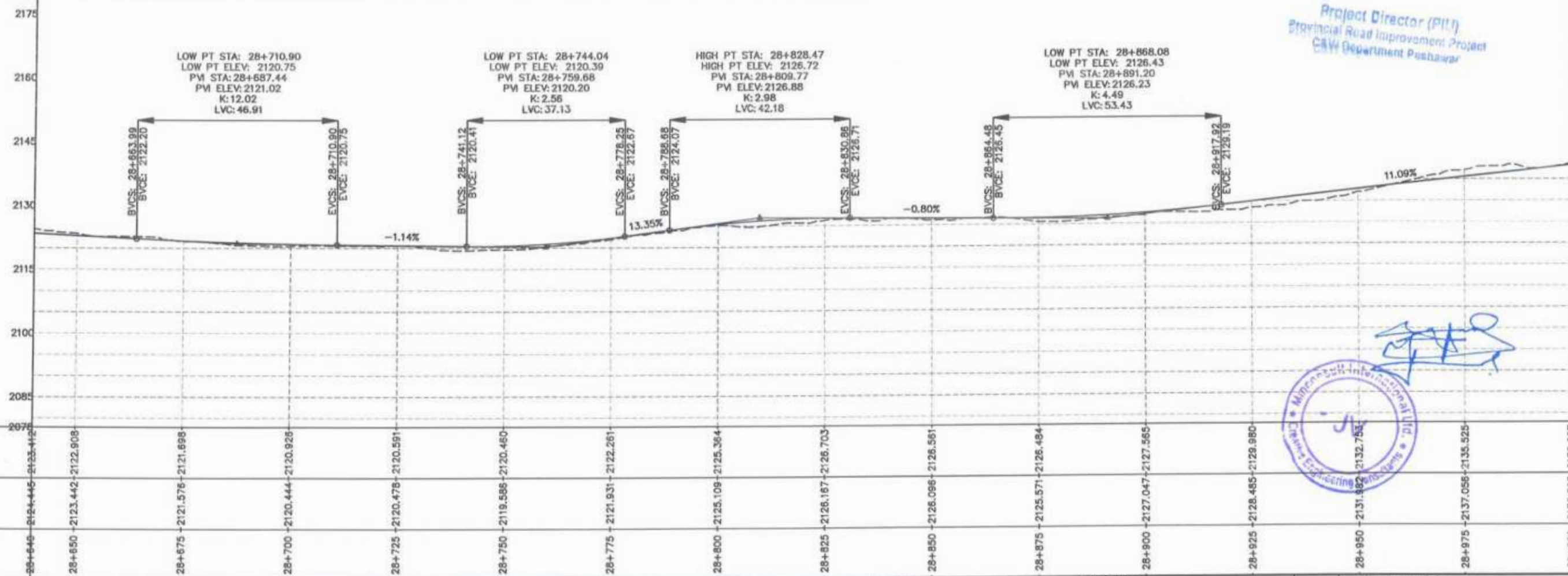
SCALE: H=1:1000
DATE: Aug 2024
SHEET CONTENT: PLAN & PROFILE
27+920.00 - 28+280.00
DWG NO: CEC/RW/RRDP/N-CHT-1/PP/ 23



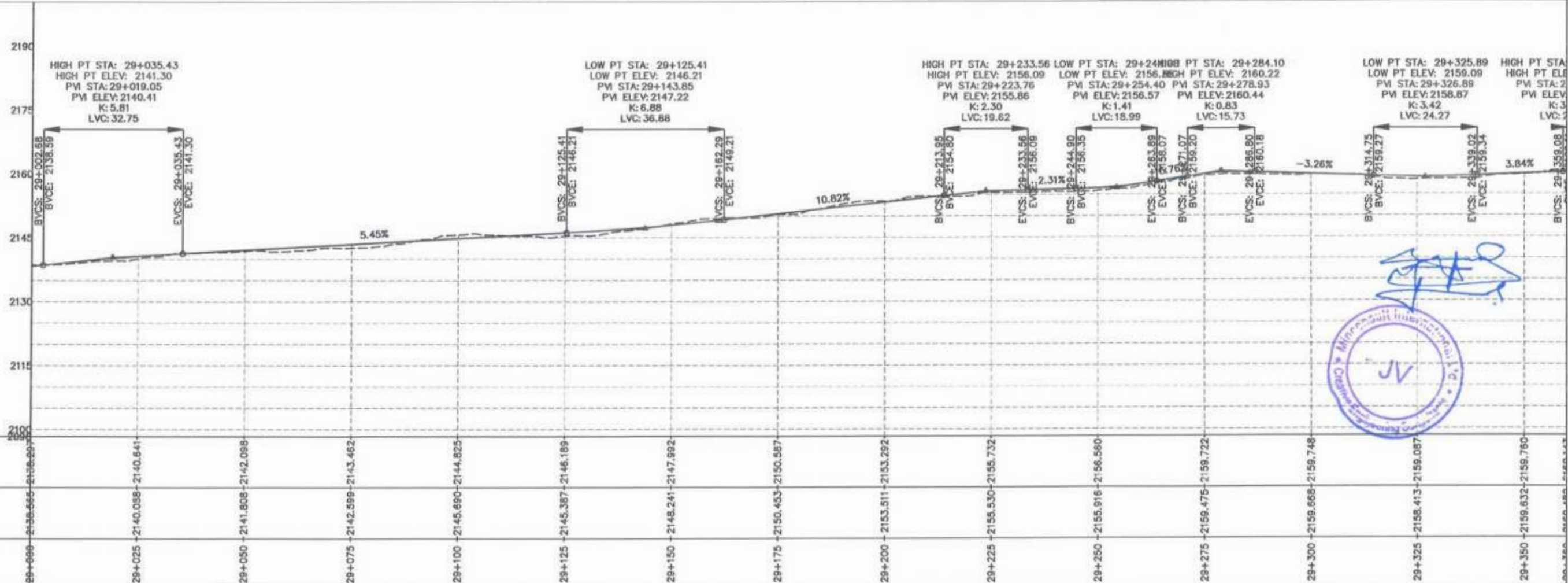
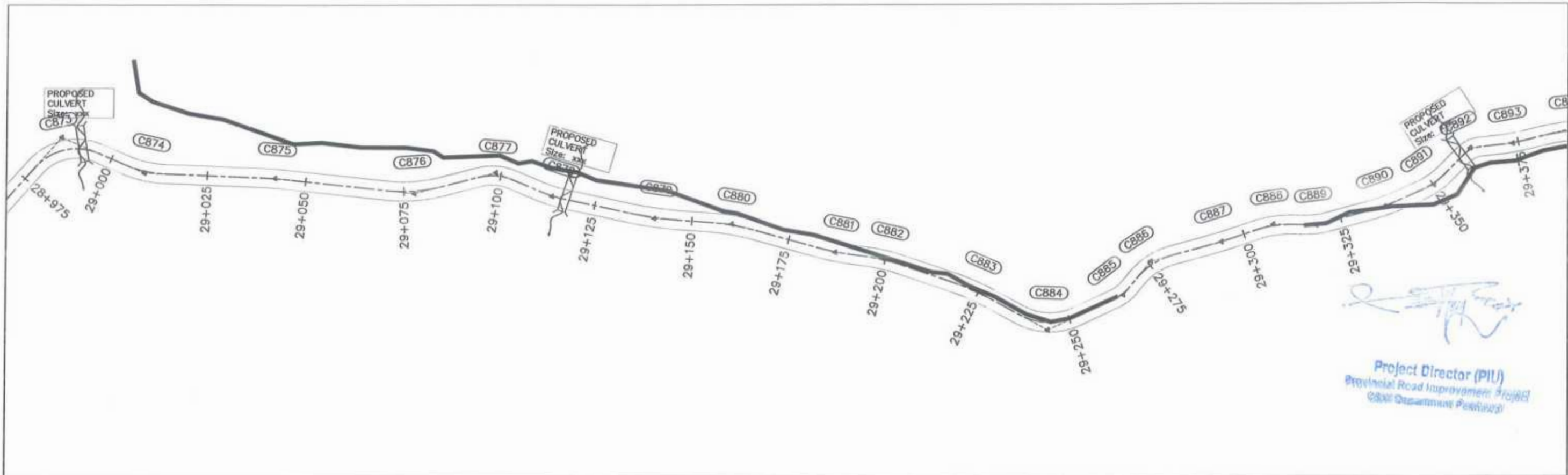
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	Aug 2024	Tender Drawings.	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashat Flood Affected	H=1:1000	PLAN & PROFILE 28+280.00 - 28+640.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 24
		a			DRAWN MANSOOR				
		b			CHECKED S-DURRANI				
		c			APPROVED AQEEL YOUNIS				



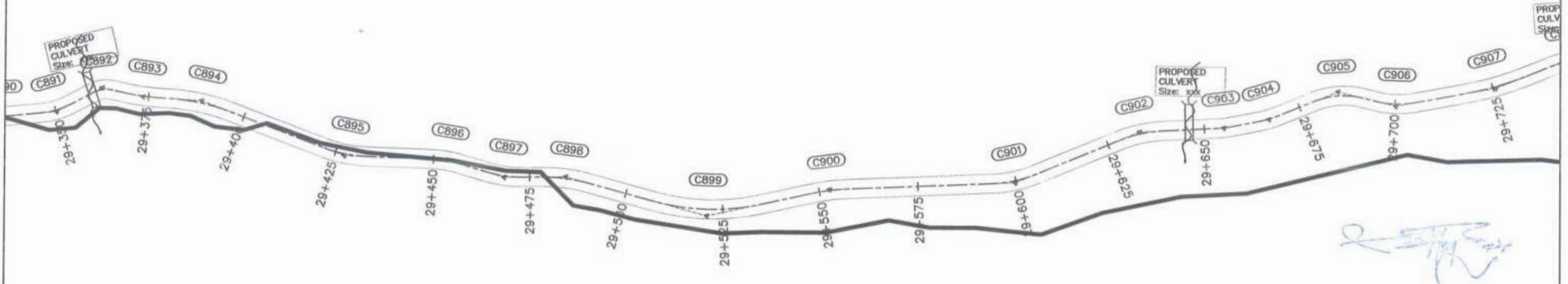
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



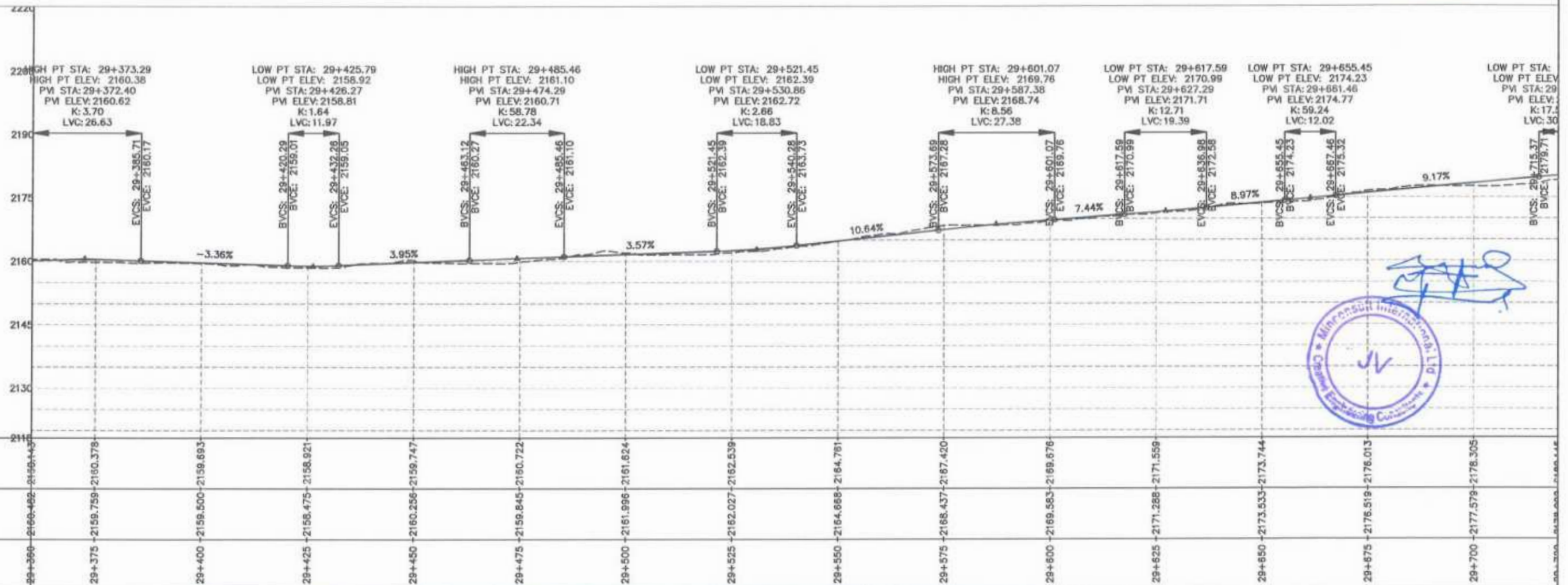
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	<p>PROJECT:</p> <p>KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>ROAD NAME:</p> <p>N-CHT-1 Shesha To Madalcahit Flood Affected</p>	SCALE:	<p>SHEET CONTENT:</p> <p>PLAN & PROFILE 28+640.00 - 29+000.00</p>	
		0	Aug 2024	Tender Drawings.	G.DESIGNED			S-DURRANI		H=1:1000
		a			DRAWN			MANSOOR		DATE:
		b			CHECKED			S-DURRANI		Aug 2024
				APPROVED	(Signature)			DWG NO: CEC/HW/RRDP/N-CHT-1/PP/	25	



GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings	G.DESIGNED S-DURRANI DRAWN MANSOOR CHECKED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000 DATE: Aug 2024	29+000.00 - 29+360.00



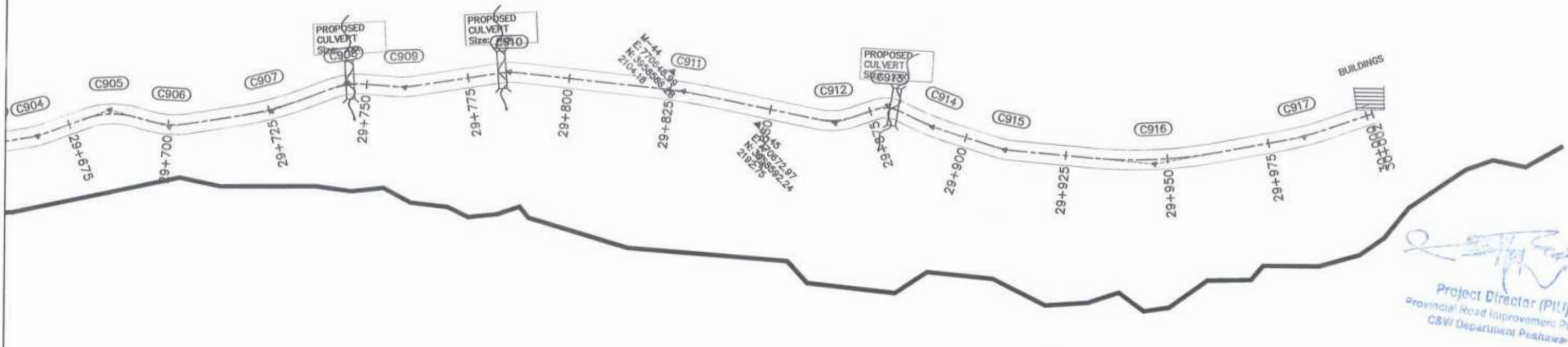
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 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Position



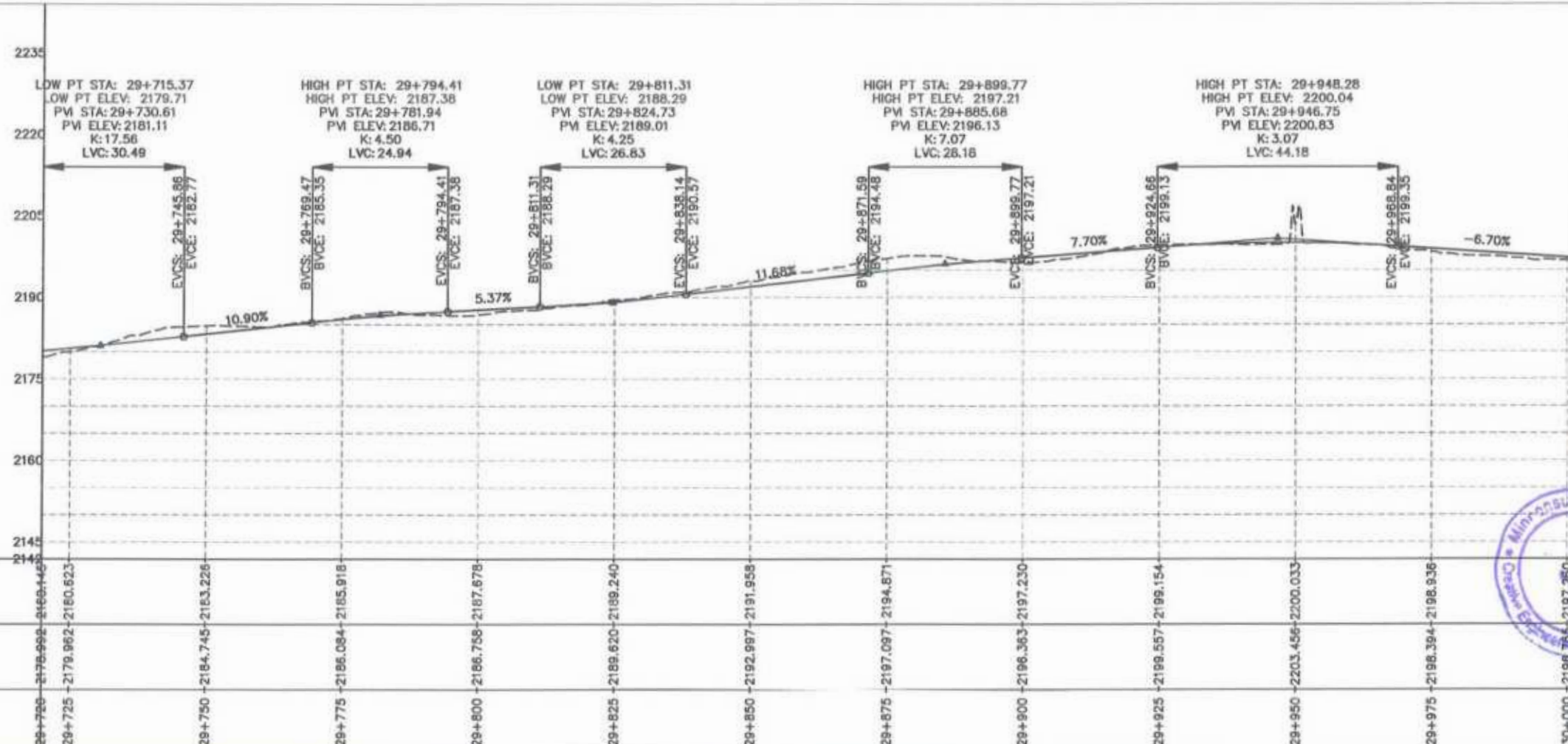
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 Minconsult Engineering & Construction Pvt. Ltd.

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	S-DURRANI	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 29+360.00 - 29+720.00 DWG NO: CEC/WRRRDP/N-CHT-1/PP/	
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024
					APPROVED					27

PROP
CULVE
Size:



[Signature]
Project Director (PIL)
Provincial Road Improvement Project
CSW Department Peshawar

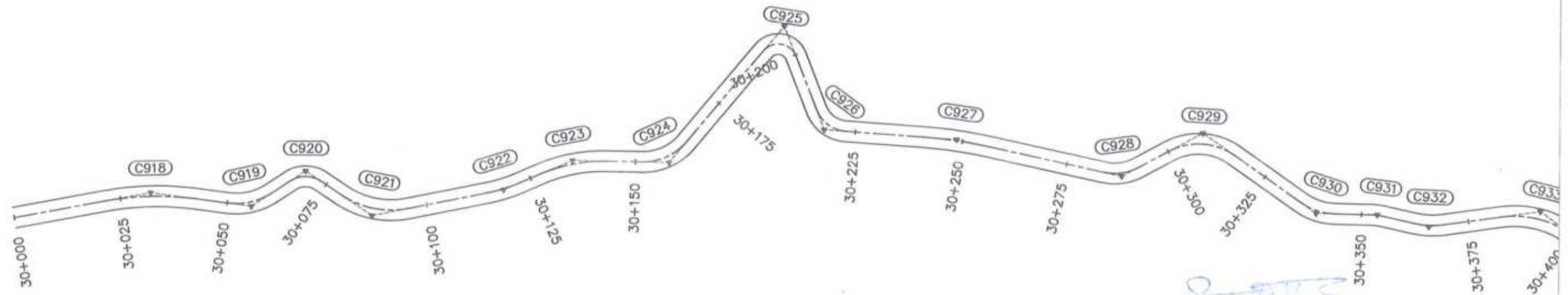


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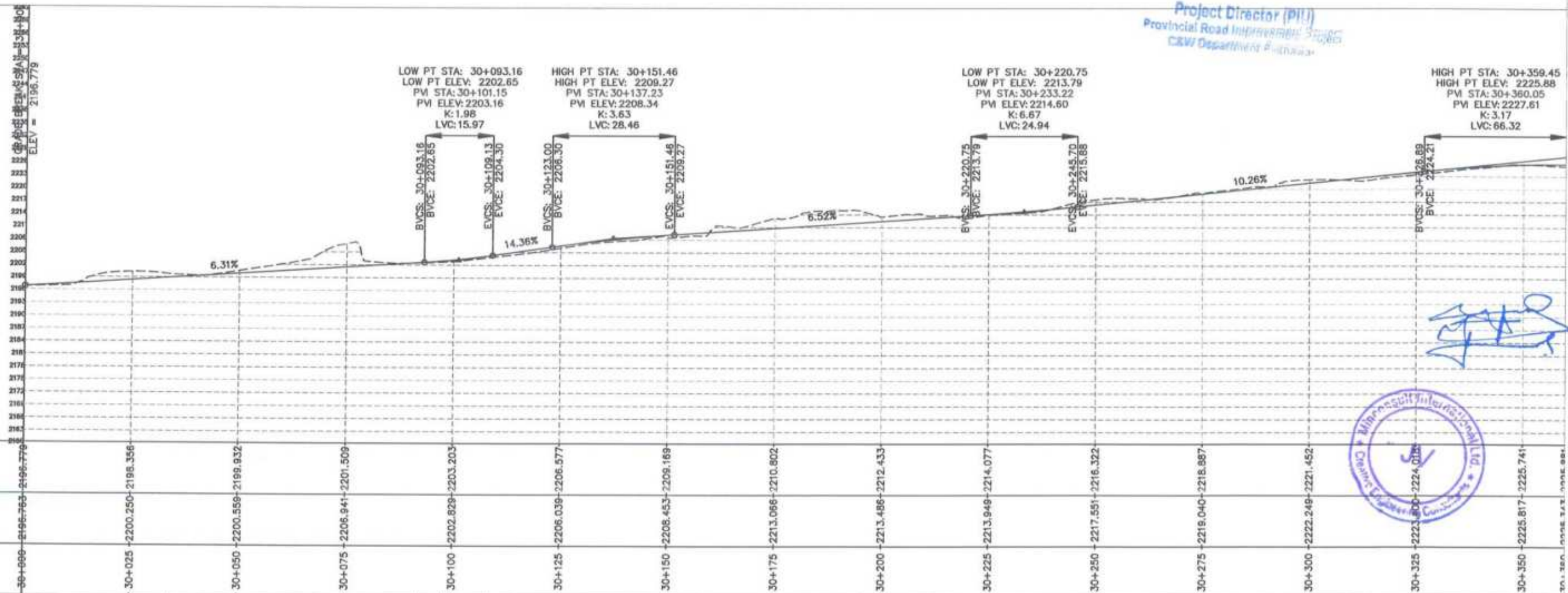


STATION	F.R.L.	N.S.L.
29+725	2178.992	2178.992
29+725	2179.902	2180.623
29+750	2184.745	2183.226
29+775	2186.084	2185.918
29+800	2186.758	2187.678
29+825	2189.620	2189.240
29+850	2192.997	2191.958
29+875	2197.097	2194.671
29+900	2198.363	2197.230
29+925	2199.557	2199.154
29+950	2203.456	2200.033
29+975	2198.394	2198.936
30+000	2196.766	2197.250

<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>	<p>REV: 0, 1, 2</p> <p>DATE: Aug 2024</p> <p>DESCRIPTION: Tender Drawings</p>	<p>NAMES: G.DESIGNED: S-DURRANI, DRAWN: MANSOOR, CHECKED: S-DURRANI</p>	<p>PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>ROAD NAME: N-CHT-1, Shesha To Madalcashi, Flood Affected</p>	<p>SCALE: H=1:1000</p> <p>DATE: Aug</p>	<p>SHEET CONTENT: PLAN & PROFILE 29+720.00 - 30+001.50</p>
	<p>CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA</p>						
	<p>PROJECT NO. 2024/RRDP/001/01</p>						



Project Director (PIU)
 Provincial Road Improvement Section
 CEW Department F-1000000



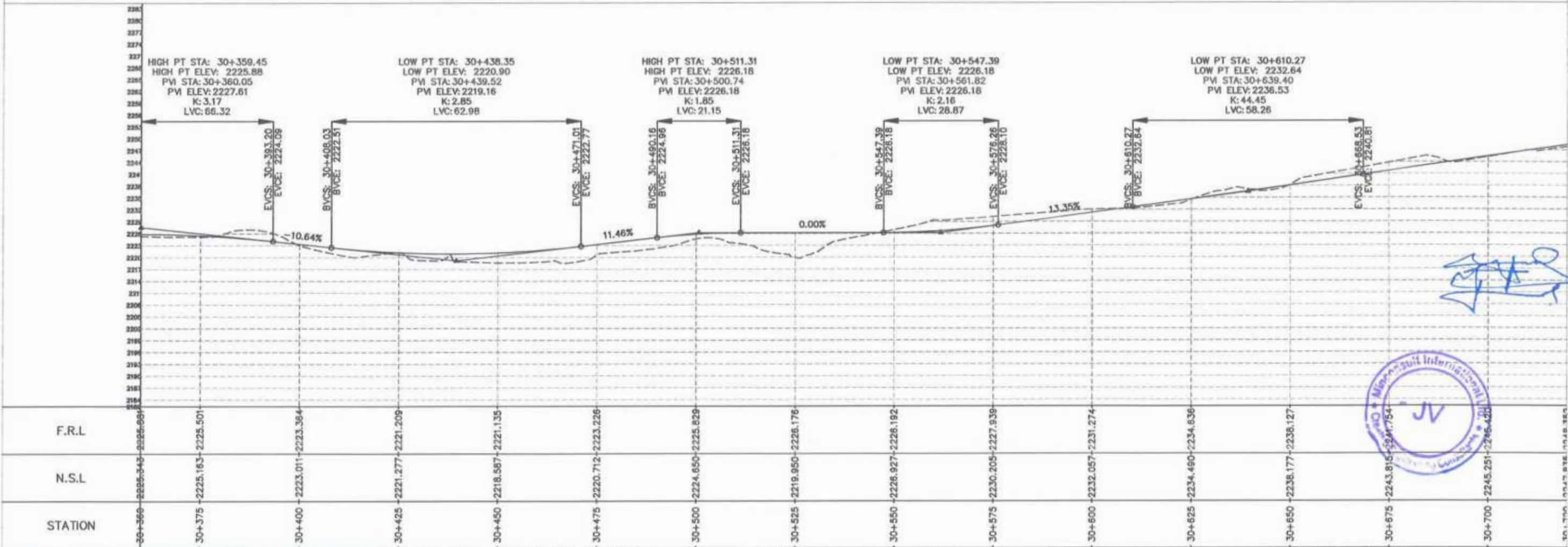
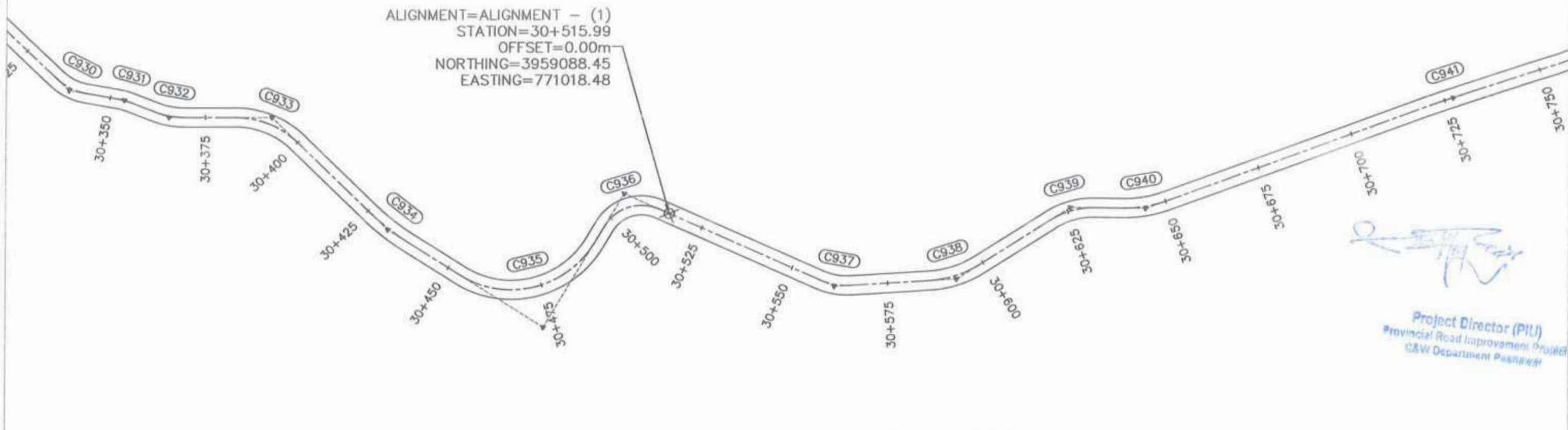
F.R.L

N.S.L

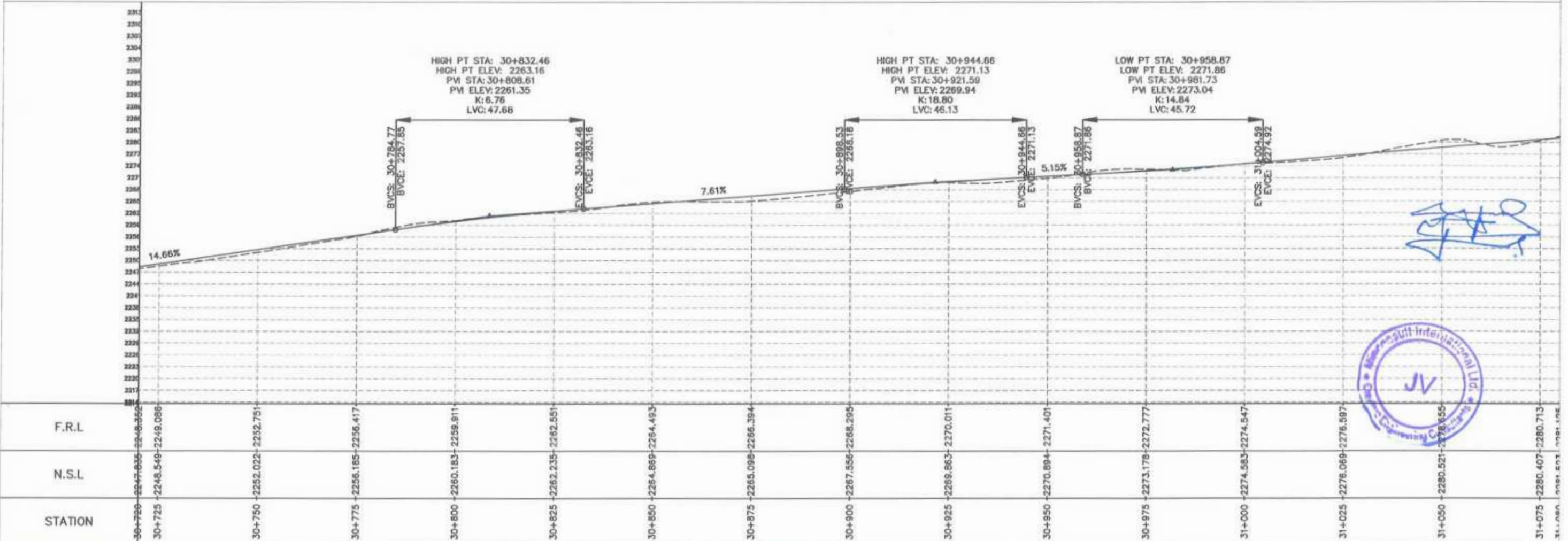
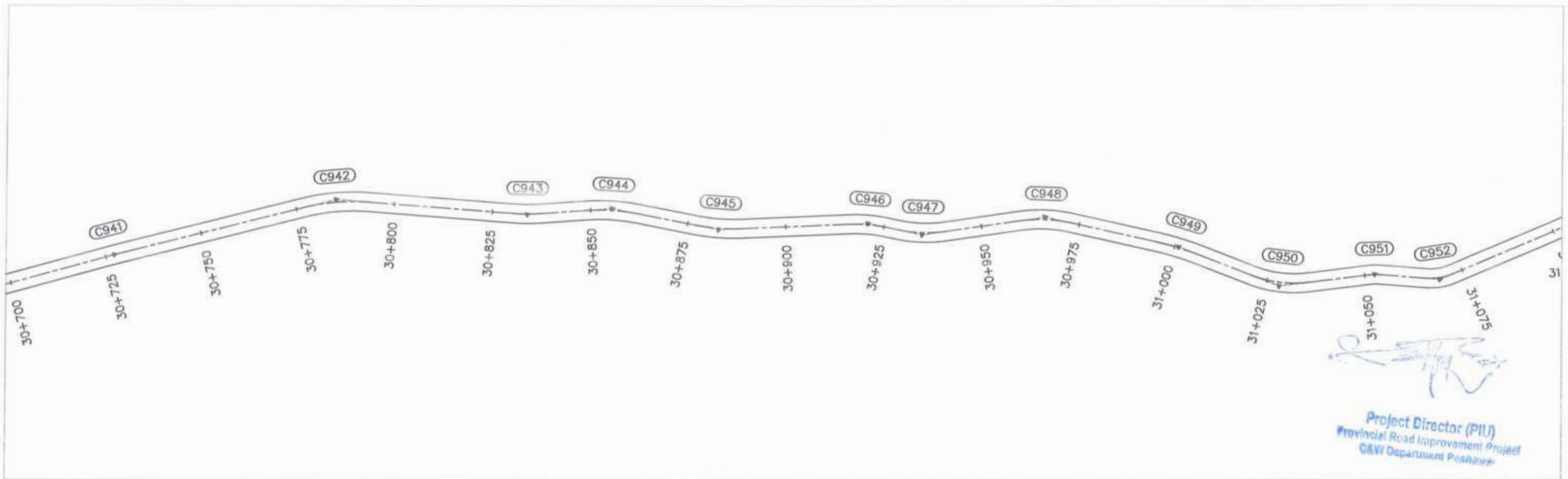
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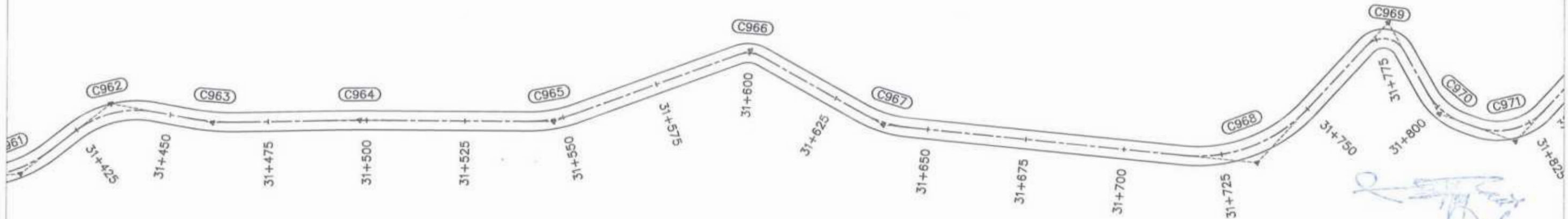
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 9805-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG, 2024	Tender Drawings.	G.DESIGNED					S.DURRANI
		a			DRAWN					MANSOOR
		b			CHECKED					DURRANI
					APPROVED	AQEEL YOUNIS				
				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N-CHT-1 Shesha To Madalcashit Flood Affected		H=1:1000 V=1:1000	PLAN & PROFILE 30+000.00 - 30+360.00	
								DATE:	DWG NO: CEC/R/RRDP/N-CHT-1/PP/1	
								Aug 2024		



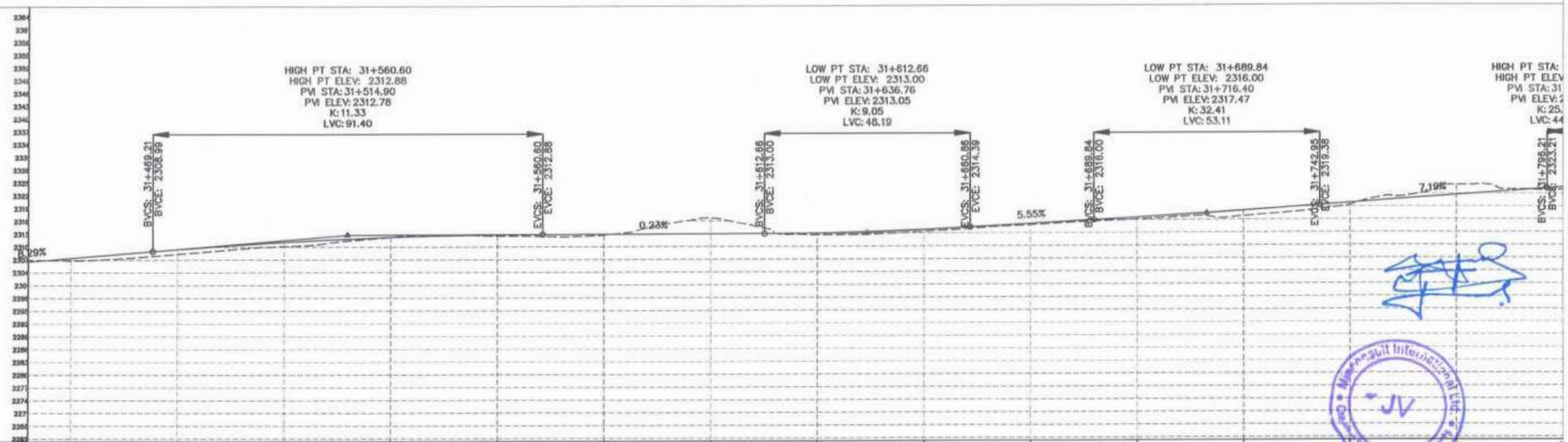
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:	
		0	AUG, 2024	Tender Drawings.	G.DESIGNED	S.DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcahit Flood Affected	H=1:1000 V=1:1000	PLAN & PROFILE 30+360.00 - 30+720.00 DWG NO: CECHW/RRDP/N-CHT-1/PP/2
		a			DRAWN	MANSOOR				
		b			CHECKED	DURRANI				
-			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	S.DURRANI				
a			DRAWN	MANSOOR	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashl Flood Affected	DATE:	DWG NO: CEC/WR/RRDP/N-CHT-1/PIU		
b			CHECKED	DURRANI						Aug 2024



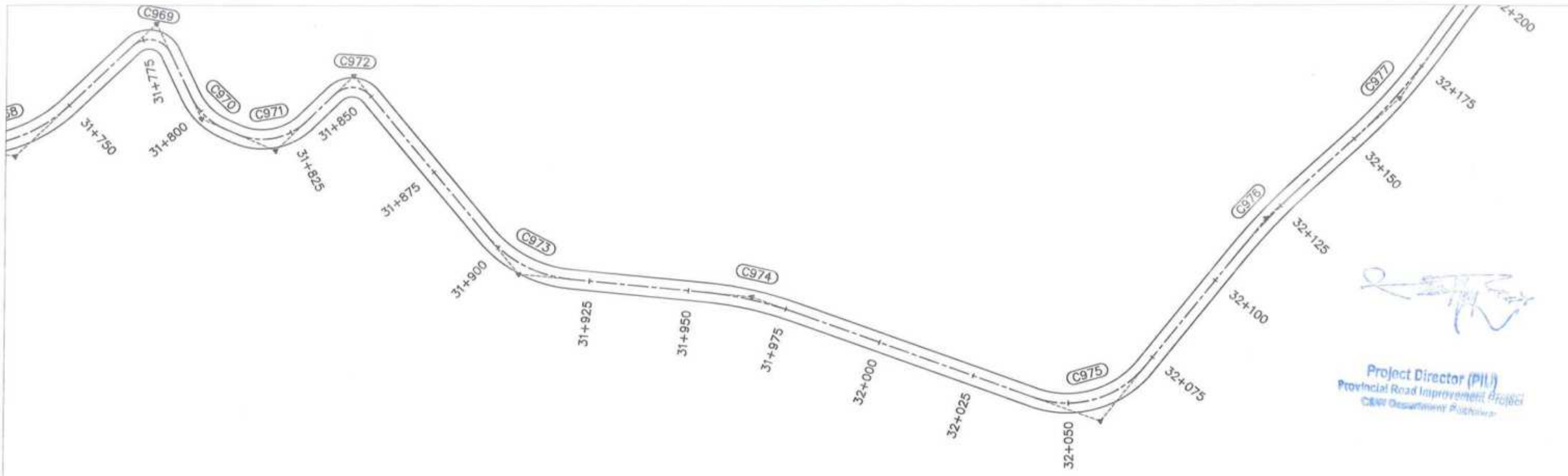
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Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



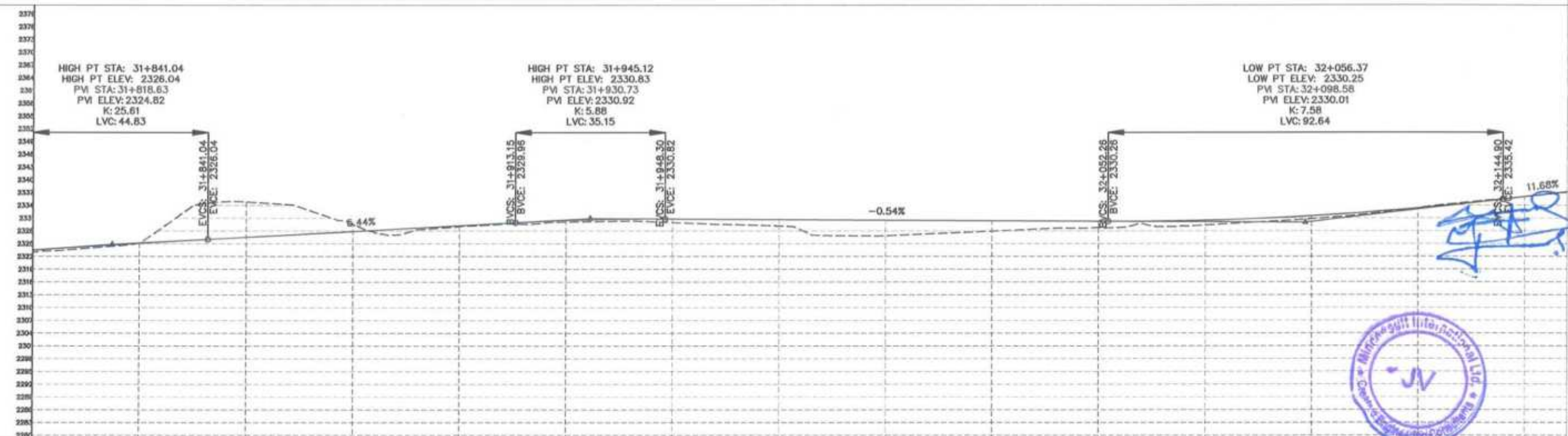
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F.R.L	31+440	2306.460	31+450	2307.394	31+475	2309.452	31+500	2311.121	31+525	2312.239	31+550	2312.805	31+575	2312.912	31+600	2312.968	31+625	2313.109	31+650	2313.852	31+675	2315.174	31+700	2316.578	31+725	2318.140	31+750	2319.887	31+775	2324.029	31+800	2326.470
N.S.L	31+440	2306.479	31+450	2306.818	31+475	2308.330	31+500	2310.153	31+525	2312.285	31+550	2312.489	31+575	2312.726	31+600	2316.695	31+625	2312.648	31+650	2313.371	31+675	2314.873	31+700	2316.107	31+725	2318.605	31+750	2319.338	31+775	2324.029	31+800	2326.470
STATION	31+440	31+450	31+475	31+500	31+525	31+550	31+575	31+600	31+625	31+650	31+675	31+700	31+725	31+750	31+775	31+800																




CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	AUG, 2024	Tender Drawings.	G.DESIGNED	S.DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000 V=1:1000	
a			DRAWN	MANSOOR						
b			CHECKED	DURRANI						



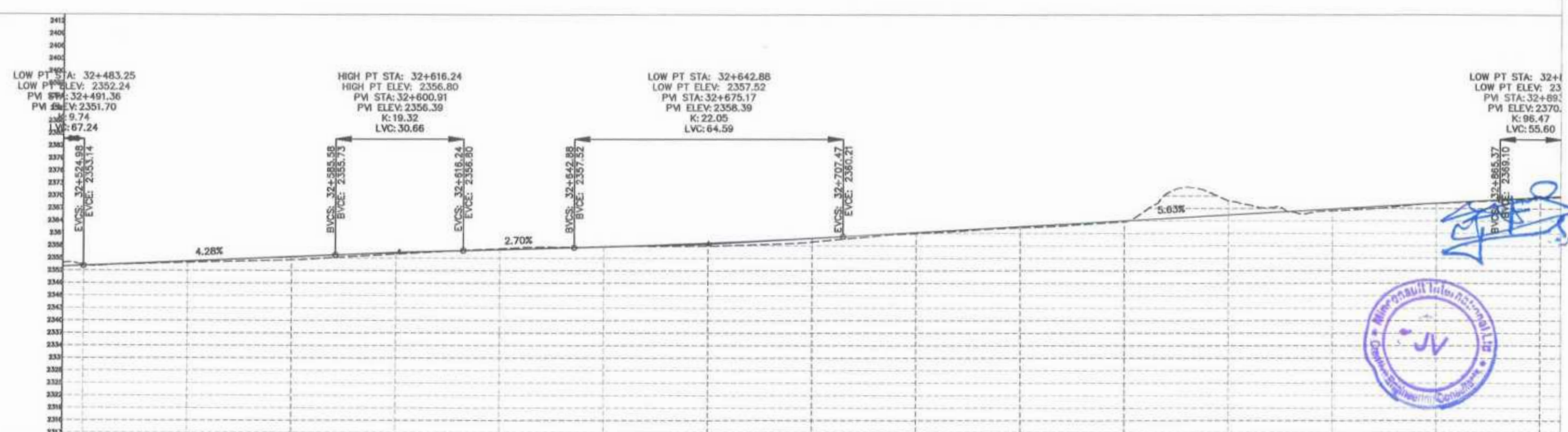
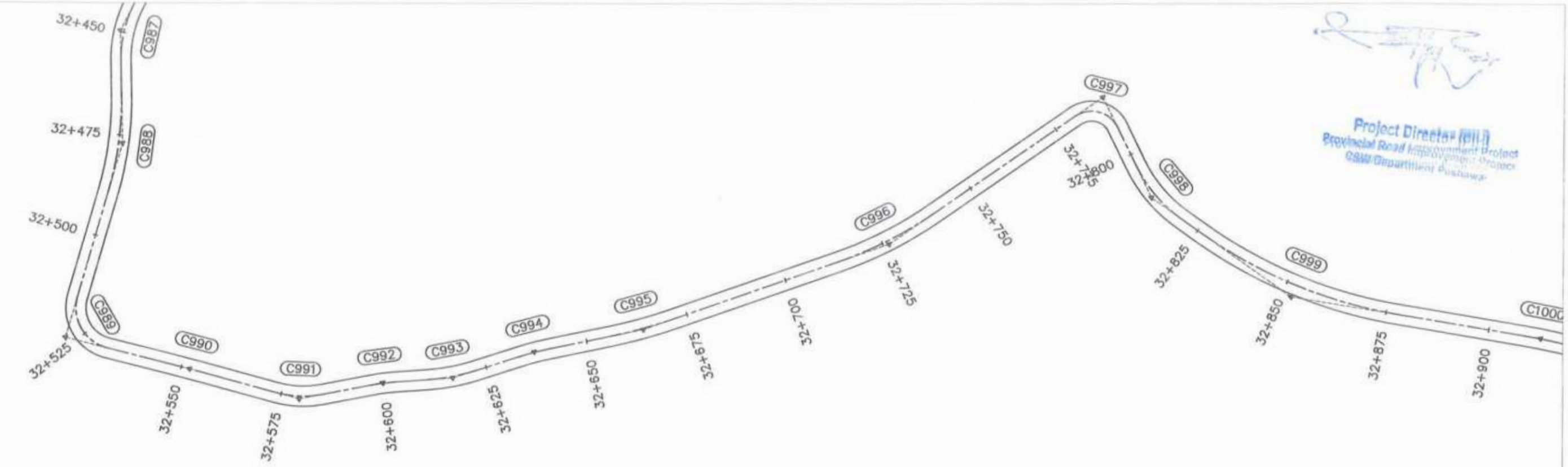

Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



F.R.L	31+600	31+625	31+850	31+875	31+900	31+925	31+950	31+975	32+000	32+025	32+050	32+075	32+100	32+125	32+150						
N.S.L	2325.644	2325.192	2326.117	2326.527	2327.886	2329.246	2330.486	2330.813	2330.677	2328.886	2330.542	2327.954	2330.407	2328.792	2330.271	2328.363	2330.477	2330.808	2331.503	2333.355	2335.012
STATION	31+600	31+625	31+850	31+875	31+900	31+925	31+950	31+975	32+000	32+025	32+050	32+075	32+100	32+125	32+150						

 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	S.DURRANI					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madaicash Flood Affected	H=1:1000 V=1:1000	PLAN & PROFILE 31+800.00 - 32+160.00		
		a			DRAWN	MANSOOR									Aug 2024	DWG NO: CEC/HWRRDP/N-CHT-1/PPY 6
		b			CHECKED	DURRANI										
c			APPROVED	AQEEL YOUNIS												

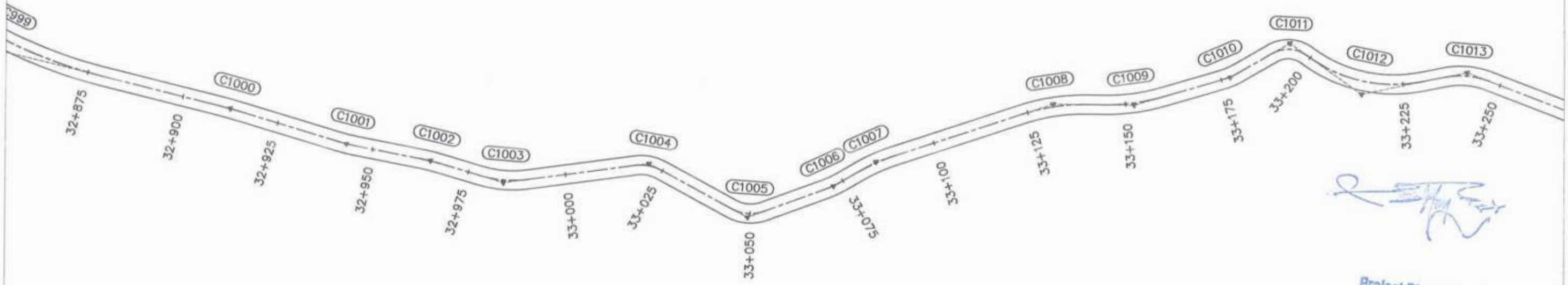
Project Director (P.I.)
 Provincial Road Improvement Project
 C&W Department Peshawar



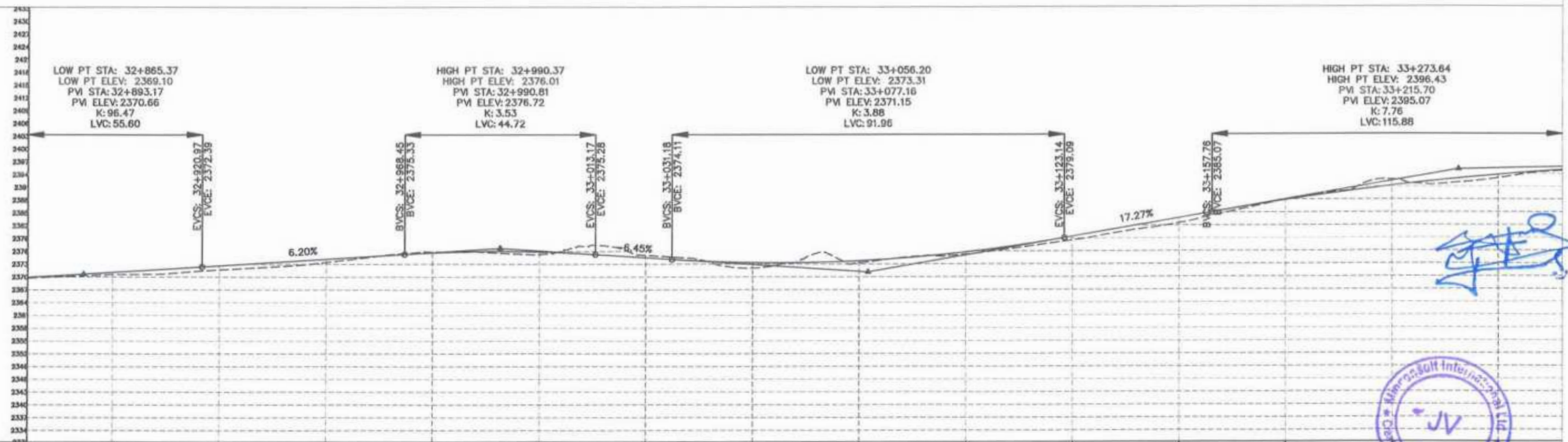
STATION	N.S.L	F.R.L
32+525	2353.38	2355.62
32+550	2353.92	2356.21
32+575	2354.52	2356.28
32+600	2355.96	2356.29
32+625	2357.23	2357.04
32+650	2357.77	2357.72
32+675	2358.92	2358.62
32+700	2359.91	2359.80
32+725	2360.93	2361.19
32+750	2362.34	2362.60
32+775	2363.76	2364.01
32+800	2368.85	2365.41
32+825	2366.43	2366.82
32+850	2368.20	2368.23
32+875	2369.41	2368.64



<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	S.DURRANI					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000 V=1:1000 DATE: Aug	PLAN & PROFILE 32+520.00 - 32+880.00
		a			DRAWN	MANSOOR								
		b			CHECKED	DURRANI								



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

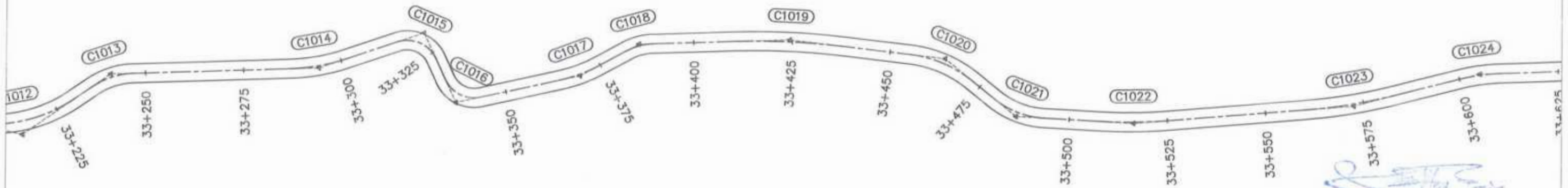


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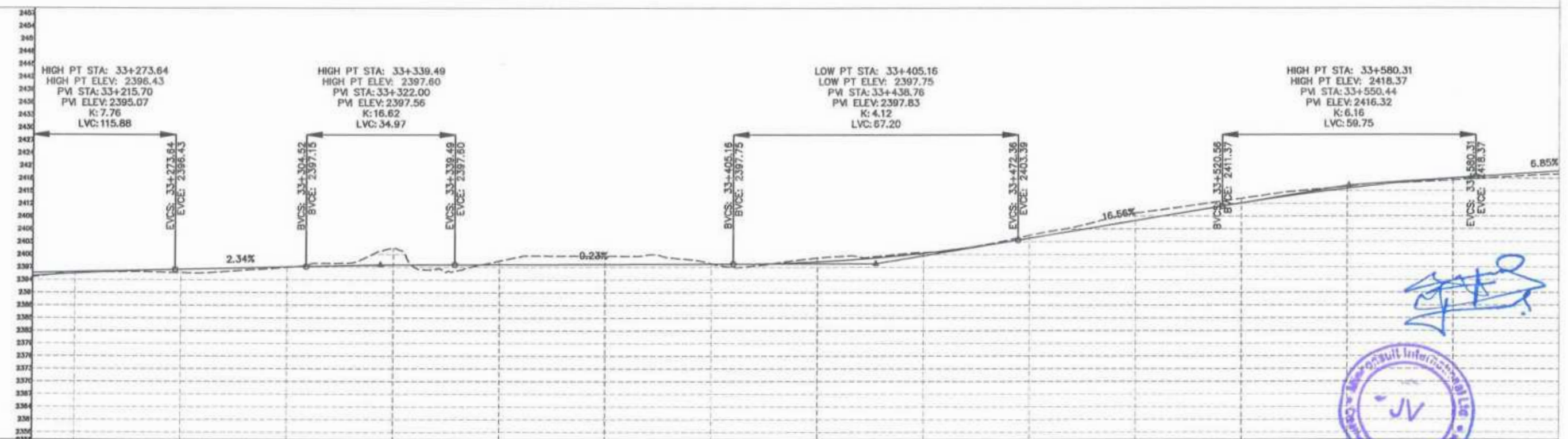


F.R.L	32+880	32+900	32+925	32+950	32+975	33+000	33+025	33+050	33+075	33+100	33+125	33+150	33+175	33+200	33+225	33+240
N.S.L	2366.735	2370.551	2371.677	2373.441	2374.188	2375.886	2375.678	2375.881	2374.513	2372.073	2373.356	2373.763	2375.782	2382.540	2383.726	2392.663
STATION	32+880	32+900	32+925	32+950	32+975	33+000	33+025	33+050	33+075	33+100	33+125	33+150	33+175	33+200	33+225	33+240

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	S.DURRANI				
e			DRAWN	MANSOOR	PROJECT DIRECTOR (PII)	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000 V=1:1000 DATE: Aug 2024	PLAN & PROFILE 32+880.00 - 33+240.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/	
b			CHECKED	DURRANI						PROJECT DIRECTOR (PII)







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

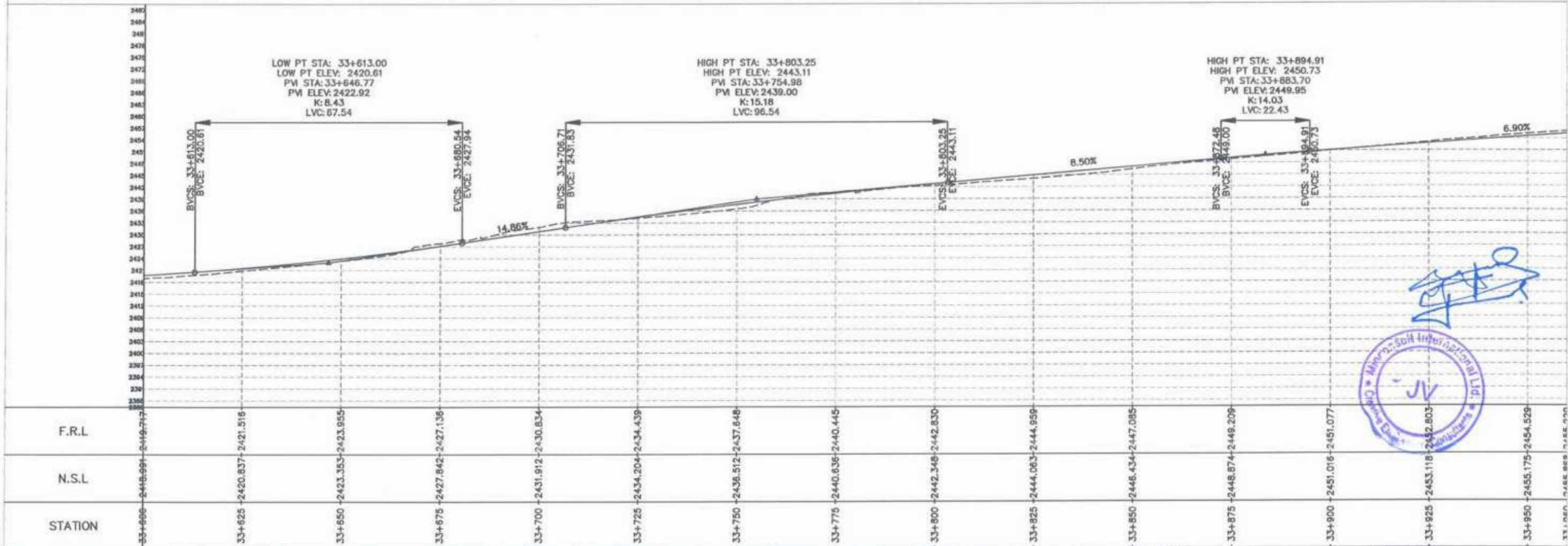
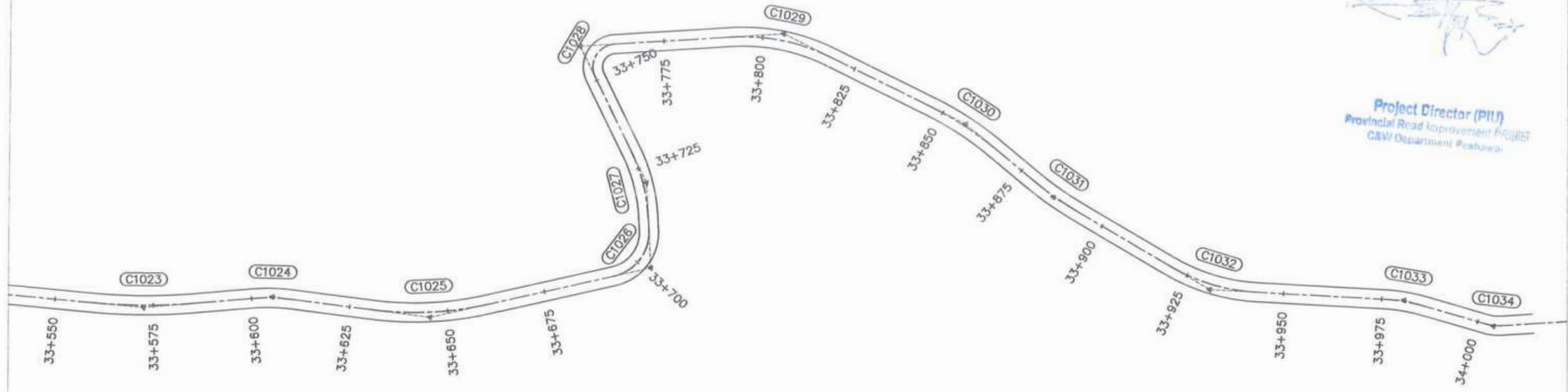





STATION	N.S.L	F.R.L
33+225	2394.699	2394.913
33+250	2395.531	2395.516
33+275	2396.669	2396.460
33+300	2396.936	2397.044
33+325	2401.496	2397.502
33+350	2398.459	2397.624
33+375	2399.608	2397.682
33+400	2397.830	2397.740
33+425	2398.181	2398.276
33+450	2400.482	2400.296
33+475	2404.495	2403.831
33+500	2408.717	2407.970
33+525	2413.172	2412.093
33+550	2416.017	2415.544
33+575	2417.525	2417.861
33+600	2418.000	2418.743

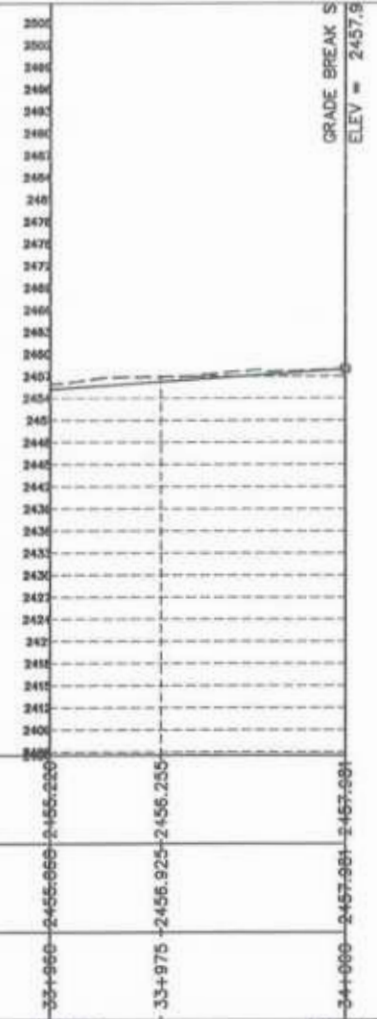
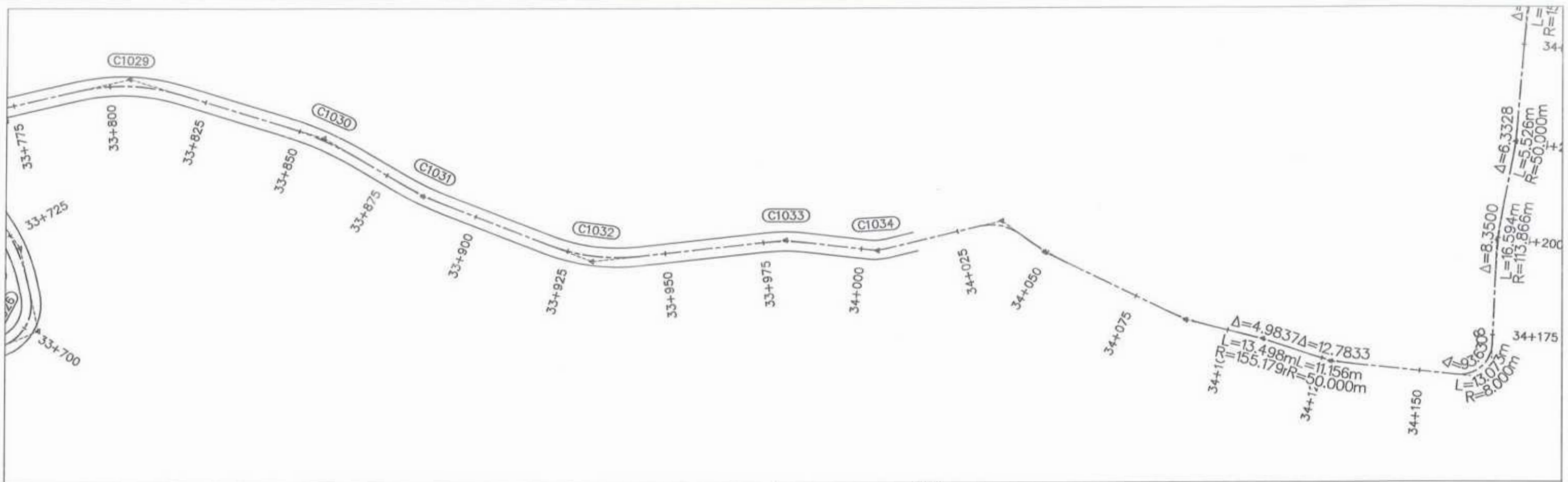
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V.  CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	AUG, 2024	Tender Drawings.	G.DESIGNED	S.DURRANI					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashl Flood Affected	H=1:1000 V=1:1000	PLAN & PROFILE 33+240.00 - 33+600.00
		a			DRAWN	MANSOOR								
		b			CHECKED	DURRANI								

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



Signature and Stamp of the Engineer/Designer.

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: S.DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcash Flood Affected	H=1:1000 V=1:1000	PLAN & PROFILE 33+600.00 - 33+960.00 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/11
		a			DRAWN: MANSOOR				
		b			CHECKED: DURRANI				
					APPROVED: AOFFI YOUSUF				

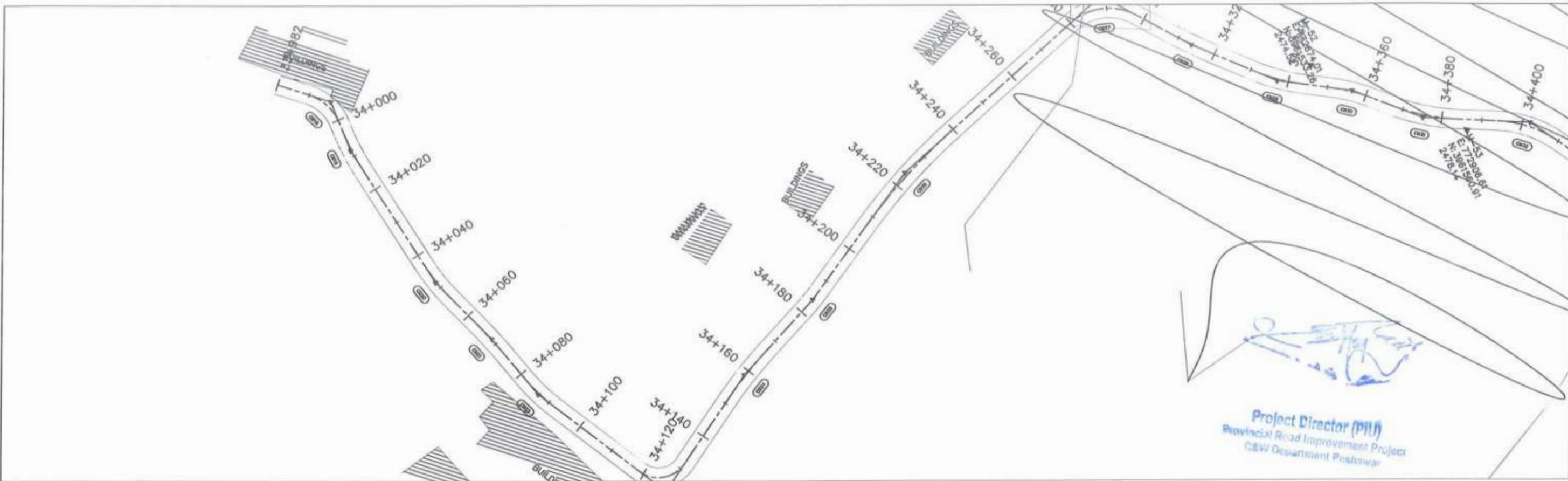


F.R.L	33+960 - 2455.660	33+975 - 2456.925	34+000 - 2457.981
N.S.L	33+960 - 2455.660	33+975 - 2456.925	34+000 - 2457.981
STATION	33+960	33+975	34+000

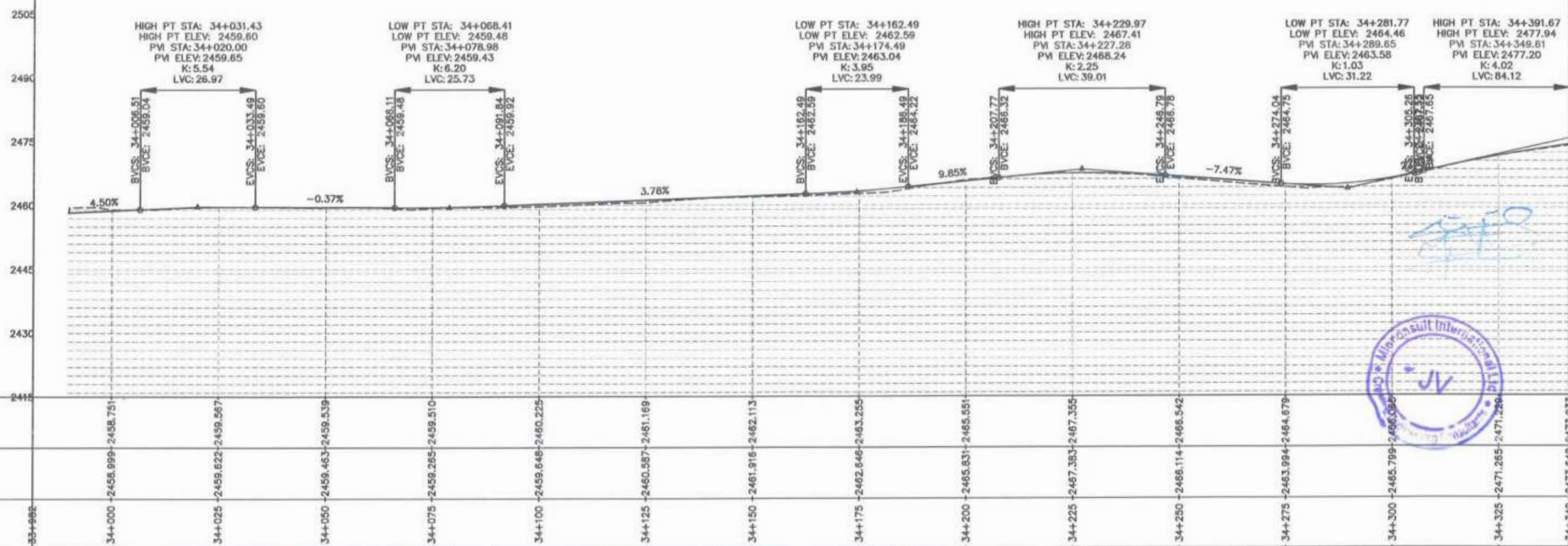
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Project Director (PIU)
 Provincial Road Improvement Project
 Q&W Department #010/02



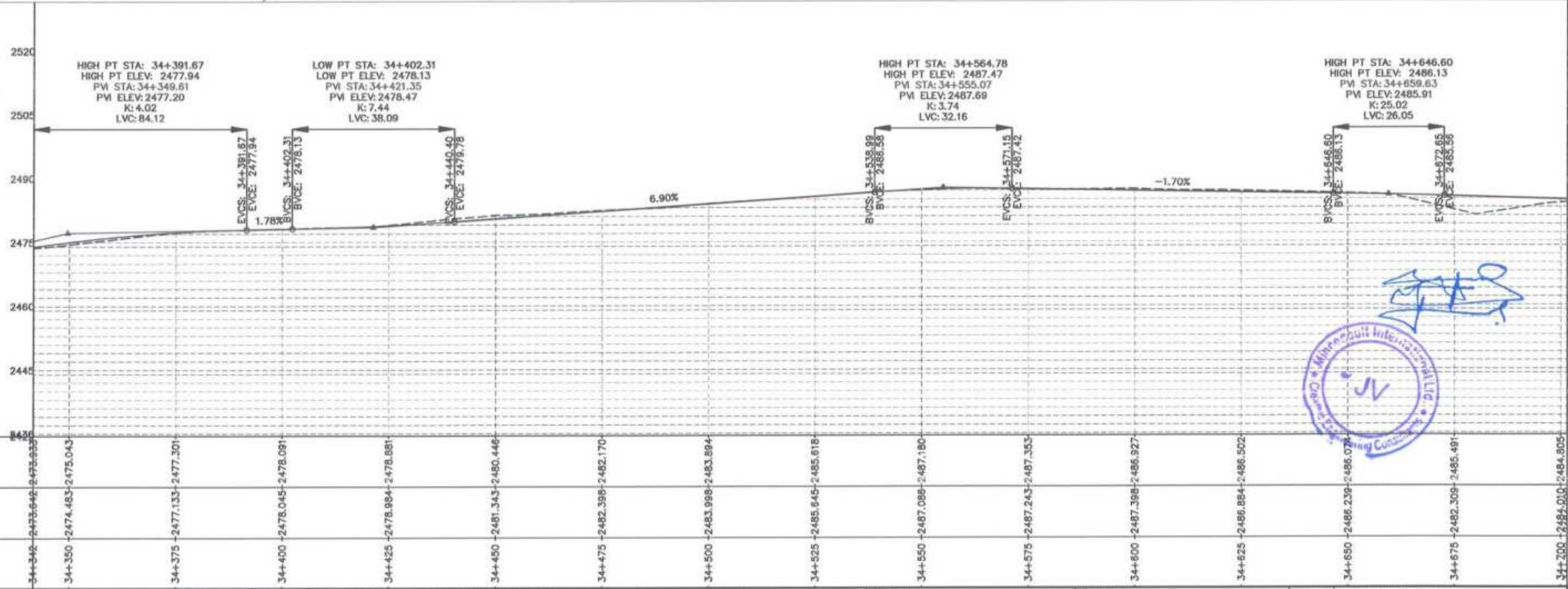
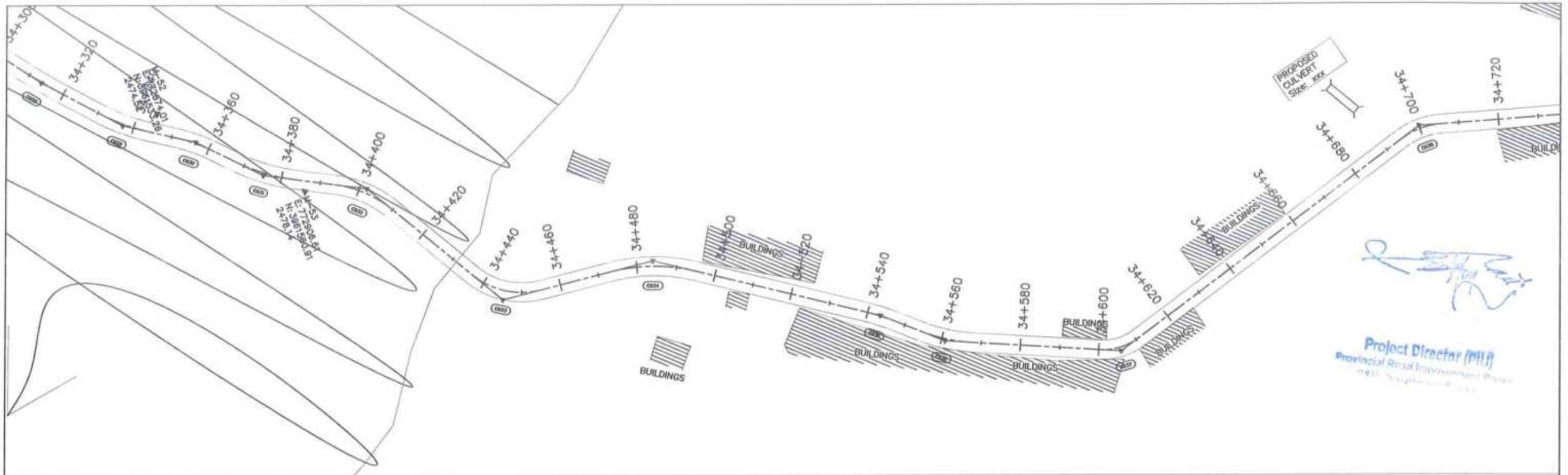
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV 0 a b -	DATE Feb, 2023	DESCRIPTION Tender Drawings.	NAMES: G.DESIGNED: AMR KHAN DRAWN: MOIZ UR REHMAN CHECKED: AQEEL YOUNIS APPROVED: GULI FAM SHAHZAD	PROJECT: KHYBER PAKHTUNKHWA RURAL ACCESSIBILITY PROJECT (KP-RAP)	ROAD NAME: ABT-13 QAZIA TO DHOBIA LINK TO GAJAL, UC HAVELIAN URBAN DISTRICT: ABBOTTABAD	SCALE: H=1:1000 V=1:500 DATE: Feb, 2023	SHEET CONTENT: PLAN & PROFILE 33+960.00 - 34+000.00
		CEC/HWKPRAP/ABT-13/PP/ 12							



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

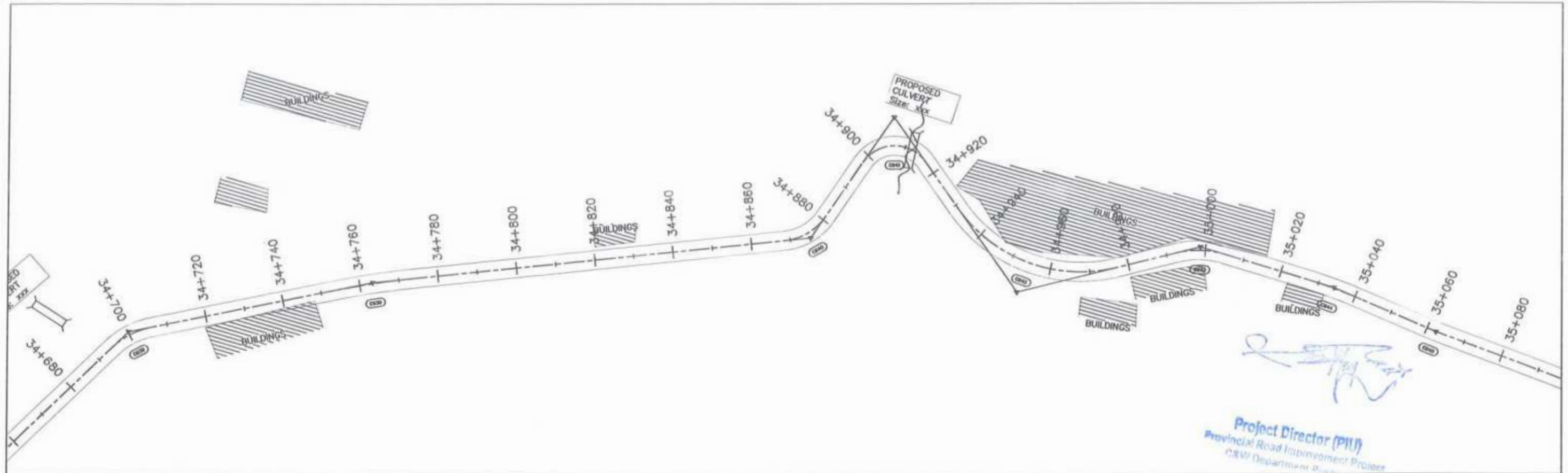


CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000	PLAN & PROFILE 33+981.59 - 34+341.59 DWG NO: CEC/HWRRDP/N-CHT-1/PP/
		a			DRAWN MANSOOR			DATE:	
		b			CHECKED S-DURRANI			Aug 2024	
					APPROVED AOFEL YOUSUF				

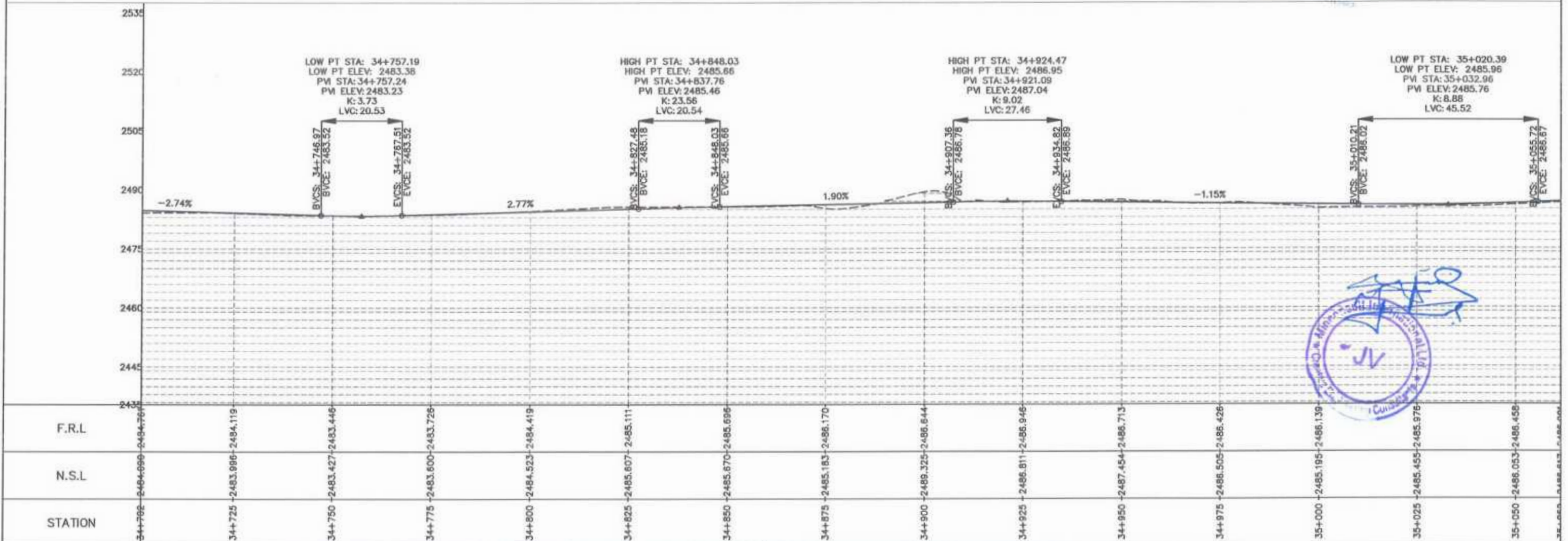


F.R.L	2473.642	2474.483	2477.301	2478.081	2478.881	2480.446	2482.170	2483.894	2485.618	2487.180	2487.353	2486.927	2486.502	2486.077	2485.491	2484.805
N.S.L	2473.642	2474.483	2477.301	2478.081	2478.881	2480.446	2482.170	2483.894	2485.618	2487.180	2487.353	2486.927	2486.502	2486.077	2485.491	2484.805
STATION	34+342	34+350	34+375	34+400	34+425	34+450	34+475	34+500	34+525	34+550	34+575	34+600	34+625	34+650	34+675	34+700

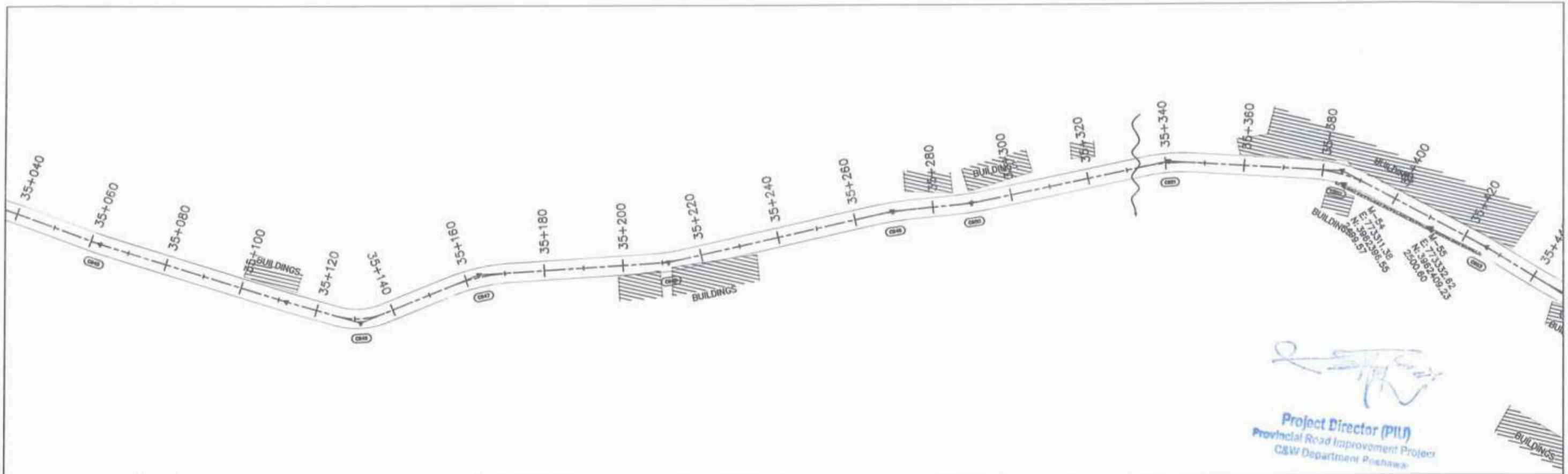
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:				
		0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madaicashit Flood Affected	H=1:1000	34+341.59 - 34+701.59
		a			DRAWN	MANSOOR								
		b			CHECKED	S-DURRANI								
c			APPROVED	AQEEL YOUNIS										
<p>CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p> <p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>REV: 0, DATE: Aug 2024, DESCRIPTION: Tender Drawings.</p> <p>NAMES: G.DESIGNED: S-DURRANI, DRAWN: MANSOOR, CHECKED: S-DURRANI, APPROVED: AQEEL YOUNIS</p> <p>PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p> <p>ROAD NAME: N-CHT-1, Shesha To Madaicashit, Flood Affected</p> <p>SCALE: H=1:1000</p> <p>SHEET CONTENT: PLAN & PROFILE, 34+341.59 - 34+701.59</p> <p>DATE: Aug 2024</p> <p>DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 2</p>														



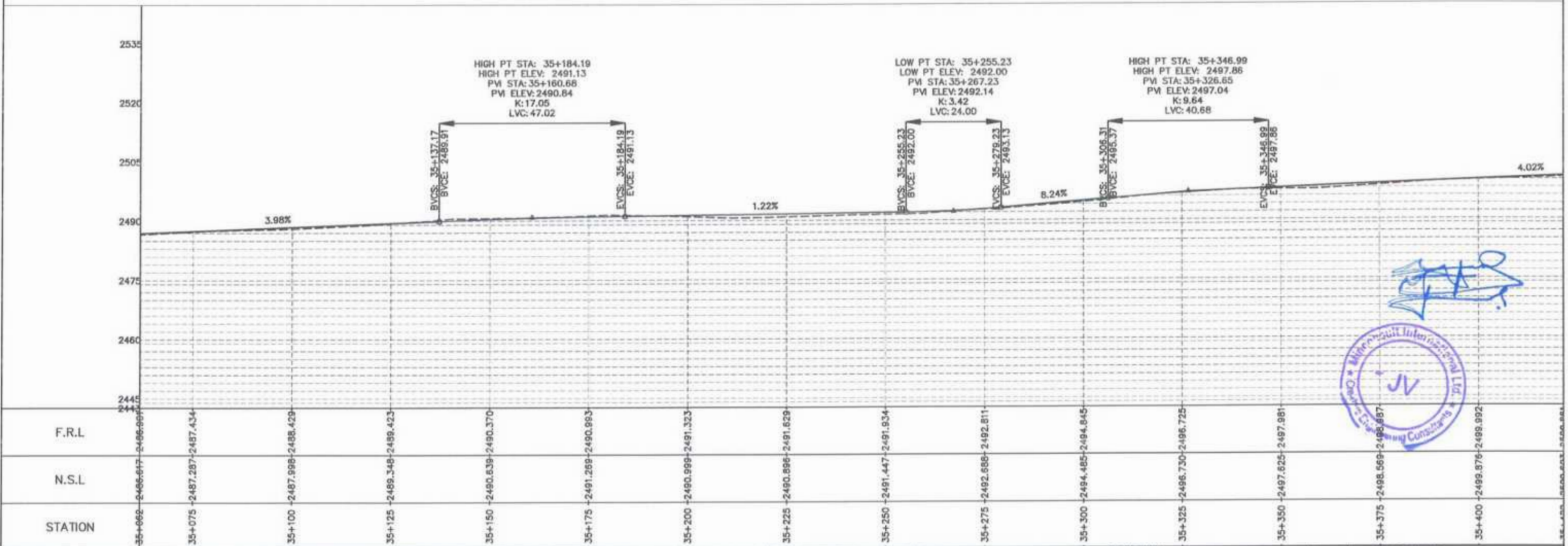
Project Director (PIU)
 Provincial Road Improvement Project
 CRW Department






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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 34+701.59 - 35+061.59 DWG NO: CEC/HR/RRDP/N-CHT-UPP/
		1			DRAWN MANSOOR			DATE:	
		2			CHECKED S-DURRANI			Aug 2024	

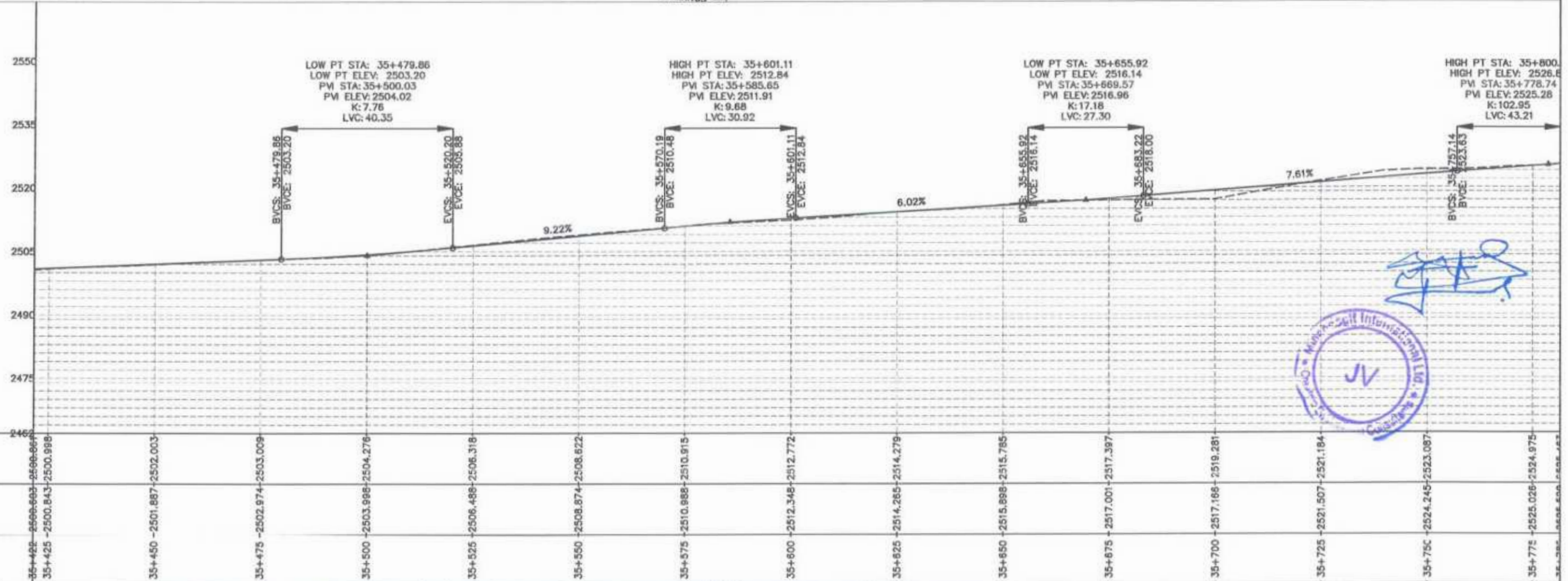
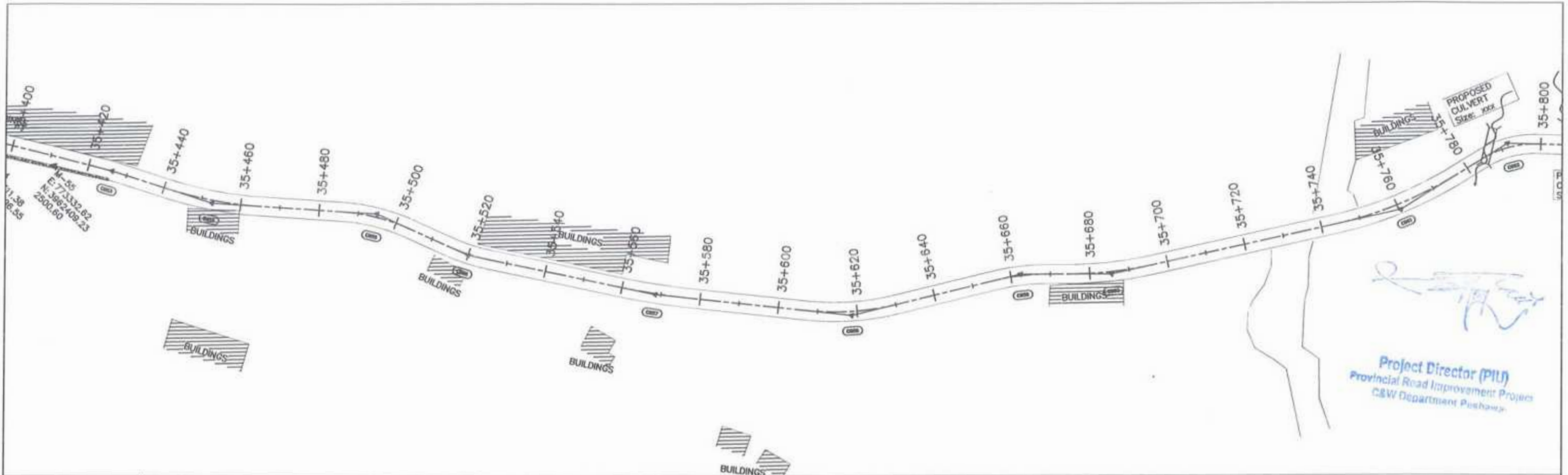



Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar






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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasth Flood Affected	H=1:1000	PLAN & PROFILE 35+061.59 - 35+421.59	
		a			DRAWN MANSOOR					DATE:
		b			CHECKED S-DURRANI					Aug 2024
					APPROVED				DWG NO: CEC/HWRDP/N-CHT-1/PP/	



STATION	N.S.L	F.R.L
35+425	2500.843	2500.998
35+450	2501.887	2502.003
35+475	2502.974	2503.009
35+500	2503.998	2504.278
35+525	2506.488	2506.318
35+550	2508.874	2508.622
35+575	2510.888	2510.915
35+600	2512.348	2512.772
35+625	2514.285	2514.279
35+650	2515.898	2515.785
35+675	2517.001	2517.397
35+700	2517.166	2519.281
35+725	2521.507	2521.184
35+750	2524.245	2523.087
35+775	2525.026	2524.975

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)

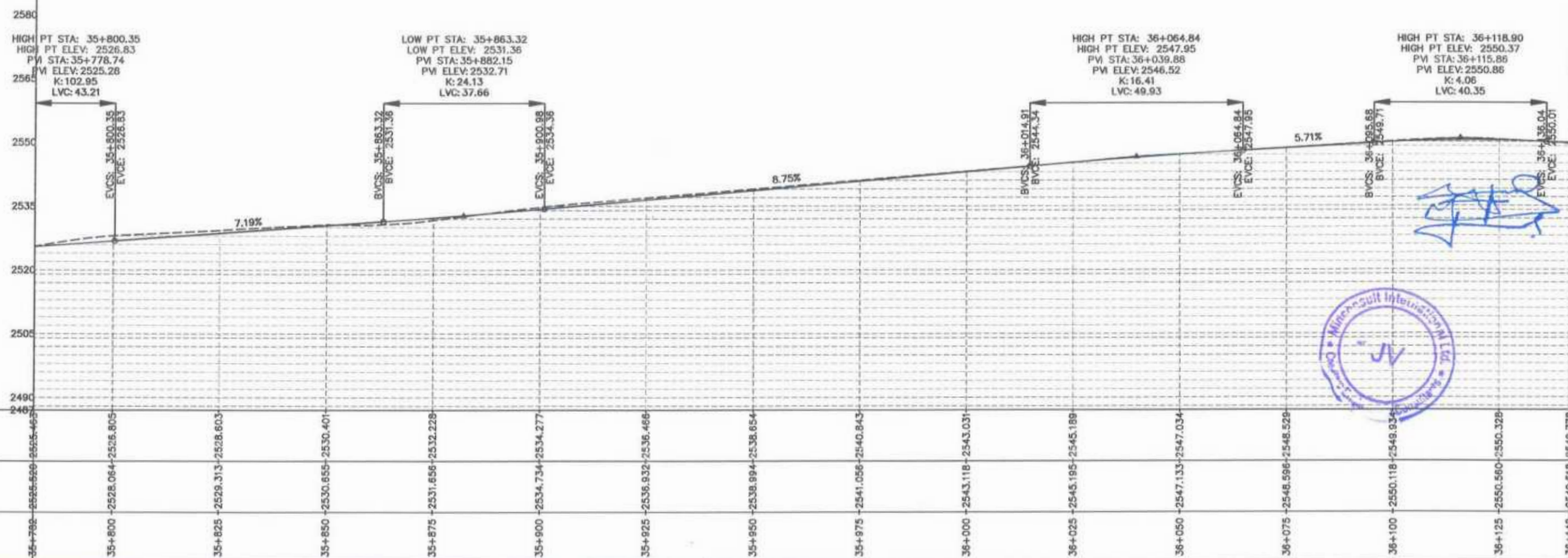
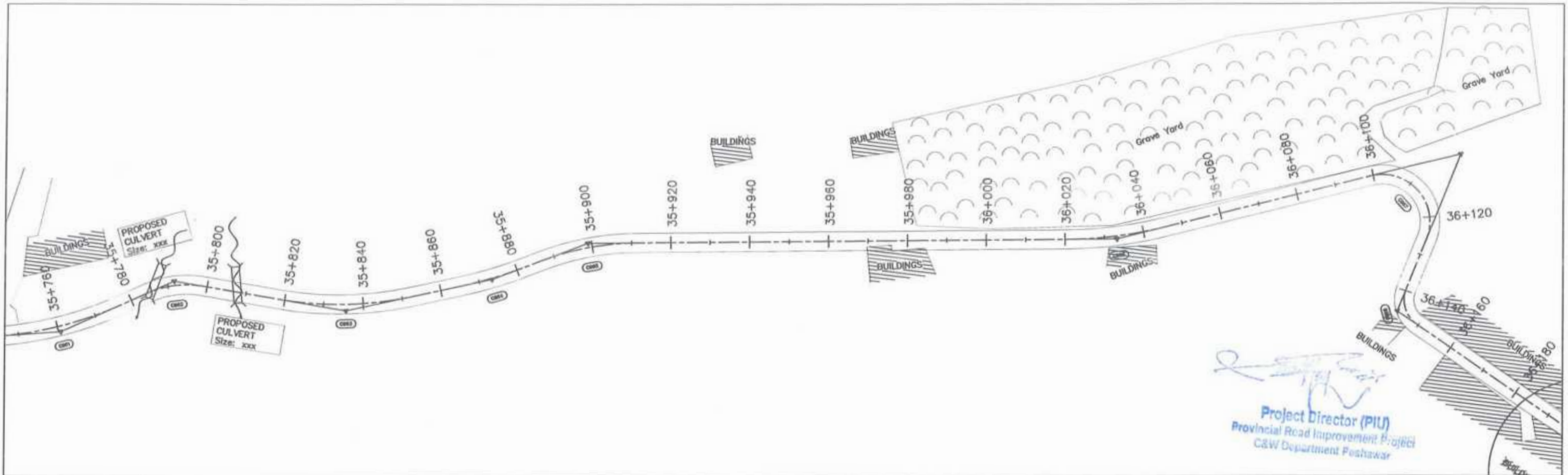
REV	DATE	DESCRIPTION
0	Aug 2024	Tender Drawings.
a		
b		

NAMES:
G.DESIGNED: S-DURRANI
DRAWN: MANSOOR
CHECKED: S-DURRANI
APPROVED: ANCEL YOUSUF

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

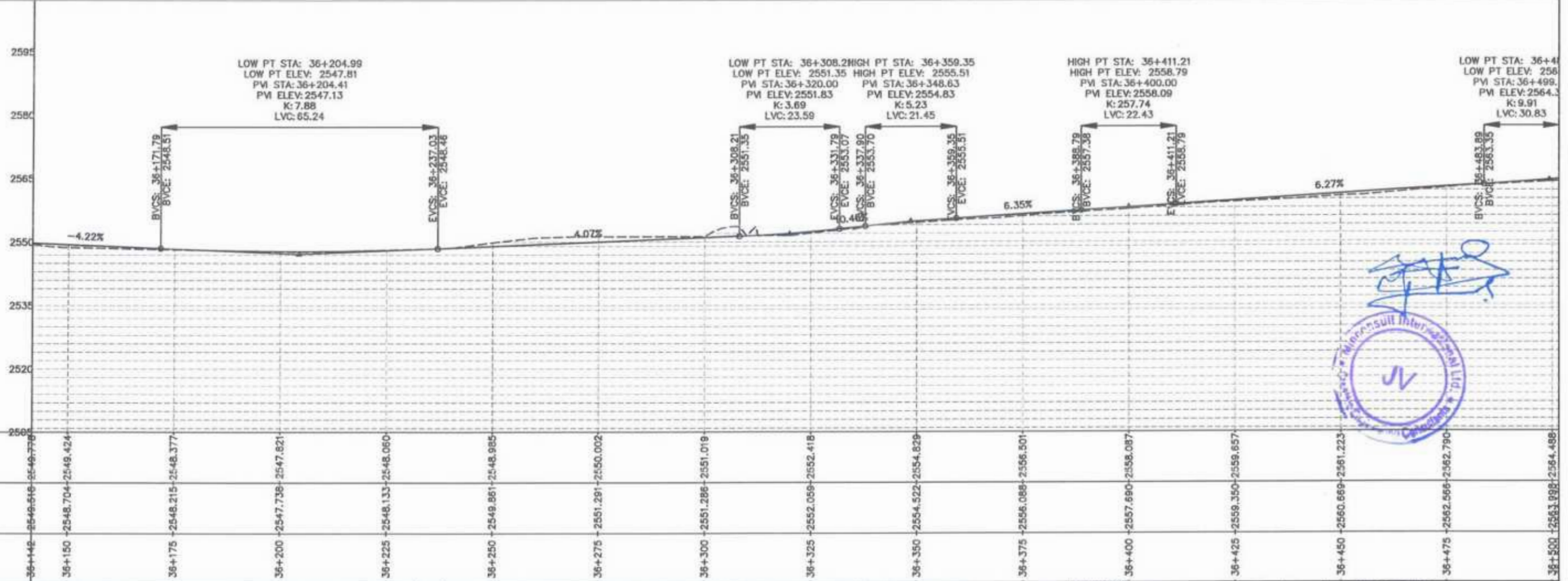
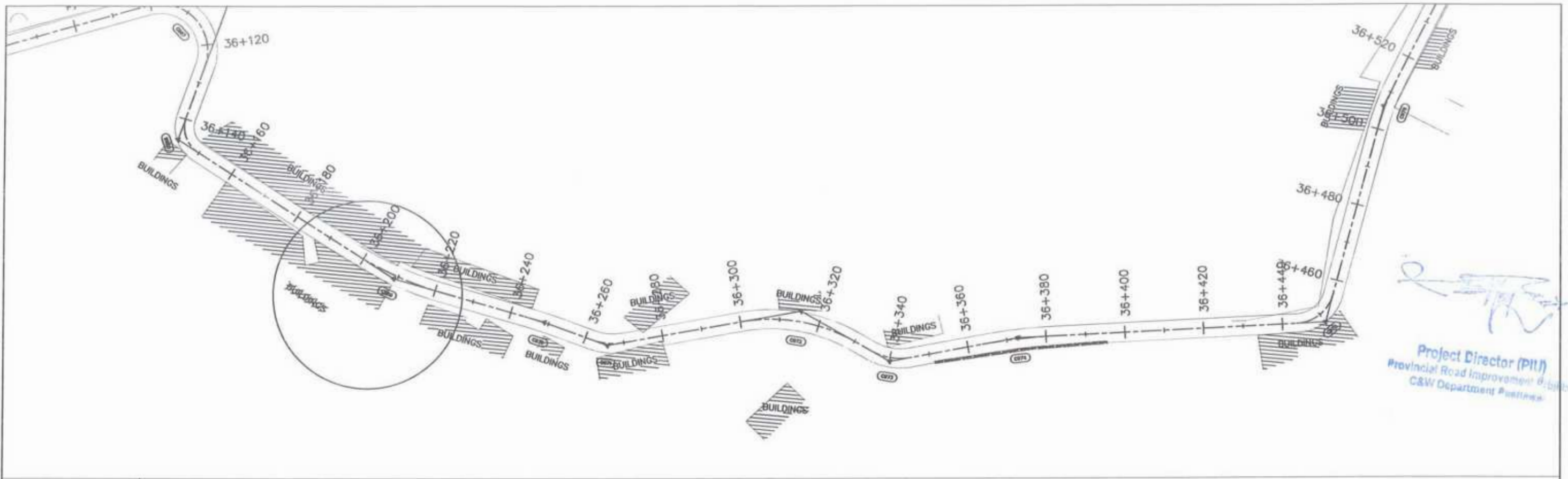
ROAD NAME: N-GHT-1
Shesha To Madalcashli
Flood Affected

SCALE: H=1:1000
DATE: Aug 2024
SHEET CONTENT: PLAN & PROFILE
35+421.59 - 35+781.59
DWG NO: CEC/NW/RRDP/N-GHT-1/PP/



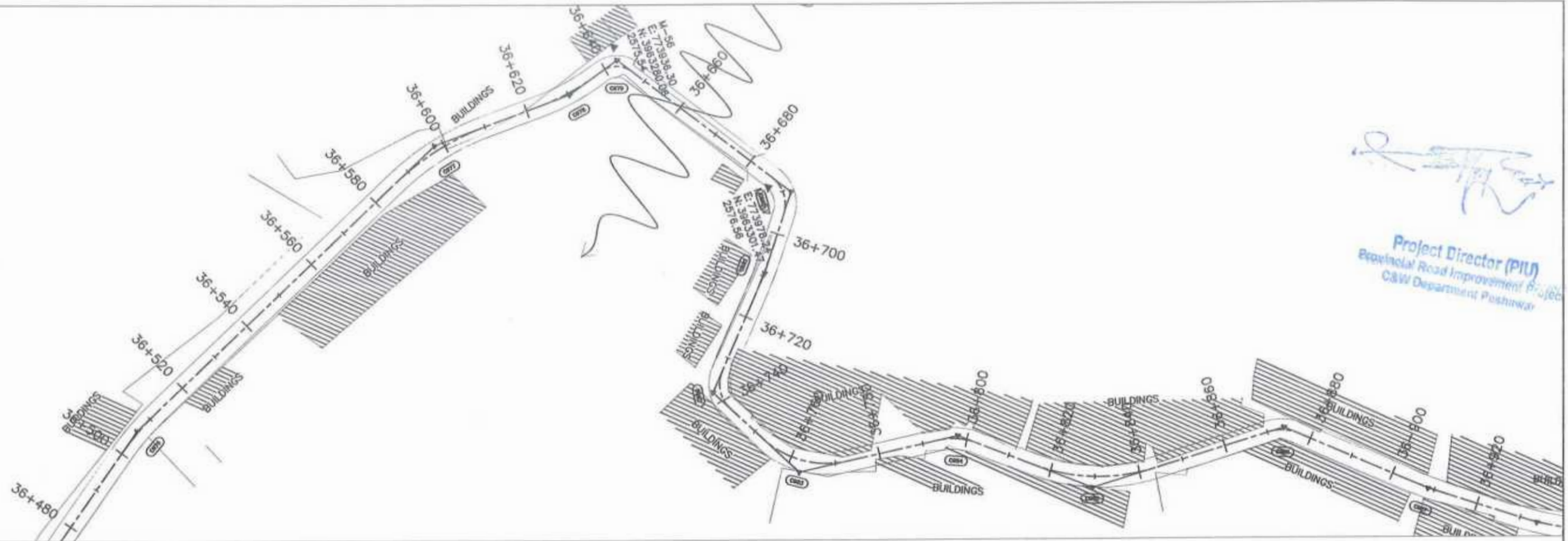
STATION	N.S.L	F.R.L
35+760	2526.620	2525.462
35+800	2528.064	2526.805
35+825	2529.313	2528.603
35+850	2530.655	2530.401
35+875	2531.656	2532.228
35+900	2534.734	2534.277
35+925	2536.932	2536.466
35+950	2538.994	2538.654
35+975	2541.056	2540.843
36+000	2543.118	2543.031
36+025	2545.195	2545.189
36+050	2547.133	2547.034
36+075	2548.596	2548.529
36+100	2550.118	2549.934
36+125	2550.560	2550.328

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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-GHT-1 Shesha To Madalcasth Flood Affected	H=1:1000	PLAN & PROFILE 35+781.59 - 36+141.59 DWG NO: CEC/HR/RRDP/N-GHT-UPPI
		e			DRAWN MANSOOR			DATE:	
		b			CHECKED S-DURRANI			Aug 2024	
					APPROVED				

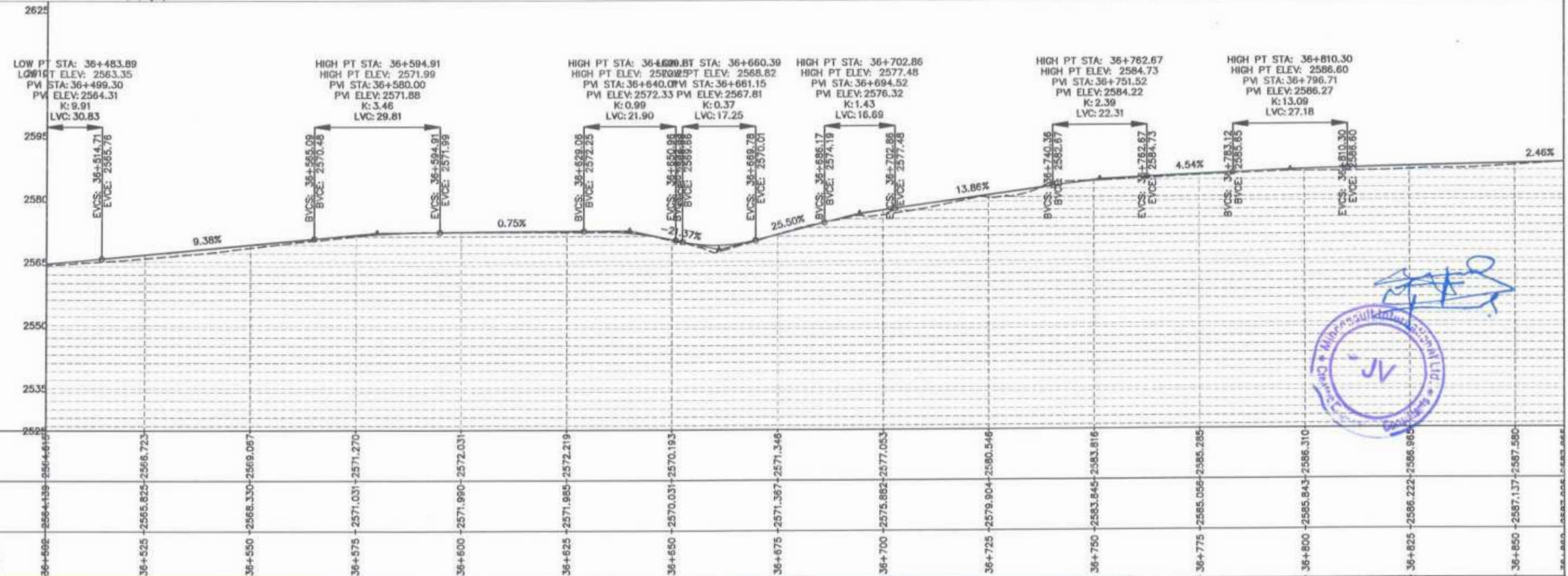


STATION	N.S.L	F.R.L
36+142	2546.516	2546.778
36+150	2548.704	2549.424
36+175	2548.215	2548.377
36+200	2547.738	2547.821
36+225	2548.133	2548.060
36+250	2549.861	2548.985
36+275	2551.291	2550.002
36+300	2551.286	2551.019
36+325	2552.059	2552.418
36+350	2554.522	2554.829
36+375	2556.088	2556.501
36+400	2557.690	2558.087
36+425	2559.350	2559.657
36+450	2560.669	2561.223
36+475	2562.566	2562.790
36+500	2563.998	2564.486

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	S-DURRANI	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000	PLAN & PROFILE 36+141.59 - 36+501.59 DWG NO: CEC/HWRRDP/N-CHT-1/PP/ 7	
		e			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024.
		-			APPROVED	AOFEI YOUSUF				



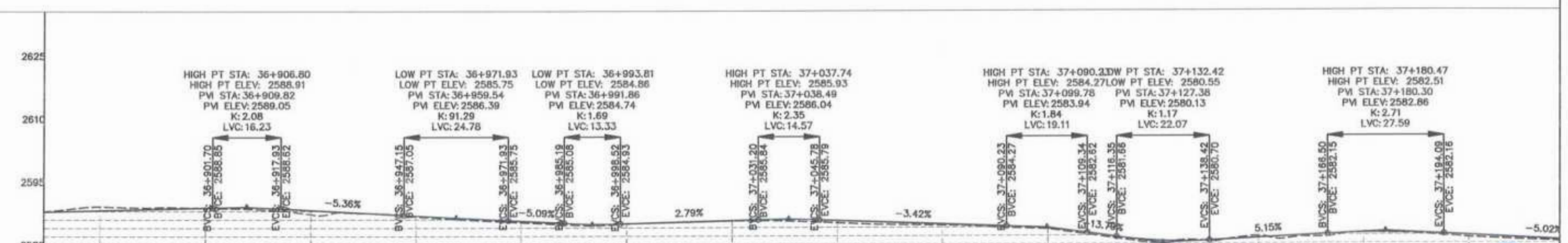
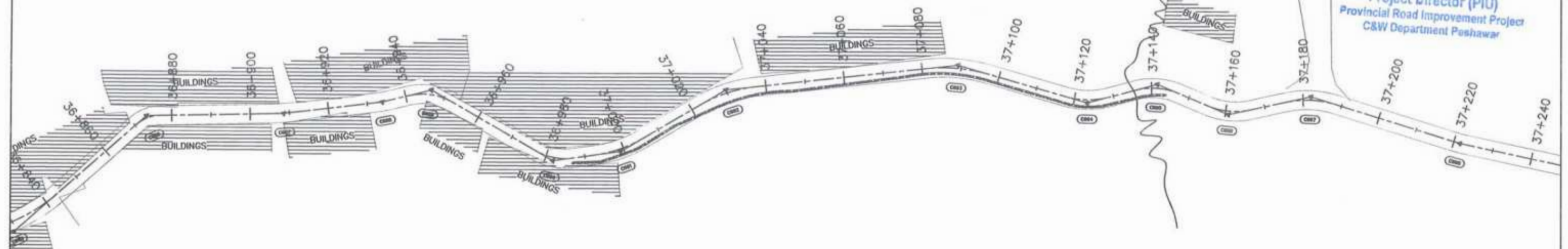
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



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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. 58935-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings.	G.DESIGNED	S-DURRANI	N-CHT-1 Shesha To Madalcasthl Flood Affected	H=1:1000	PLAN & PROFILE 36+501.59 - 36+861.59 DWG NO: CEC/HWRDP/N-CHT-1/PP/	
		a			DRAWN	MANSOOR		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		DATE:
		b			CHECKED	S-DURRANI				Aug 2024

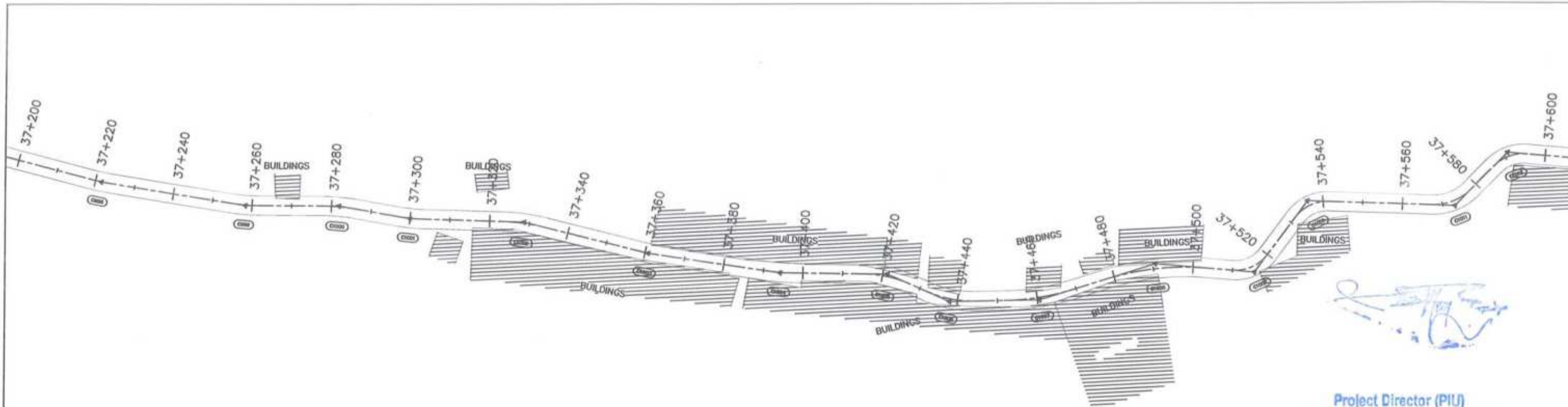
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar



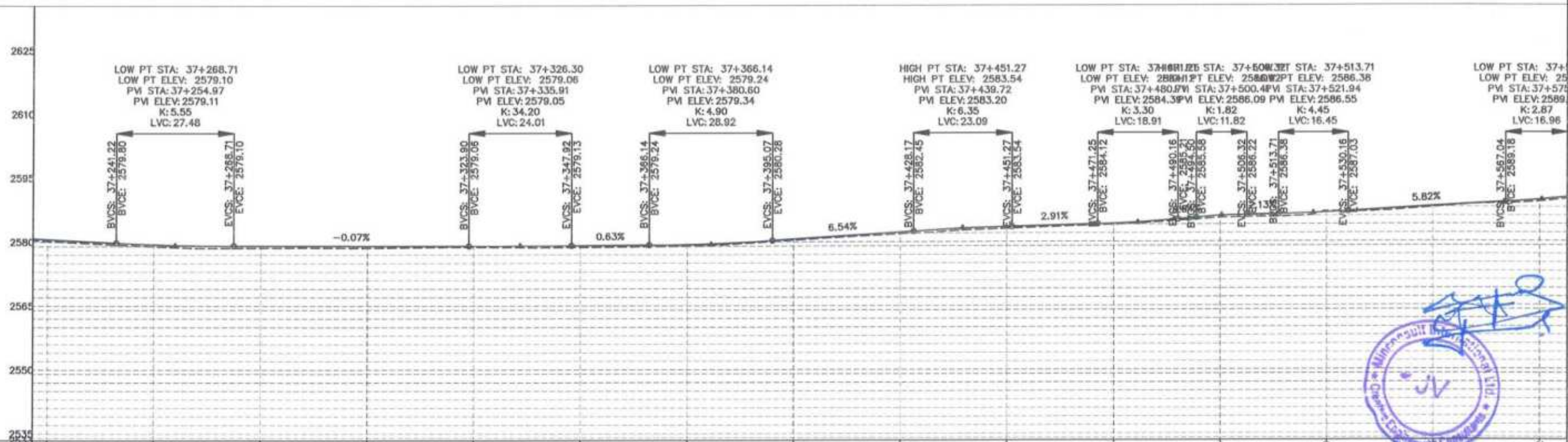
STATION	N.S.L	F.R.L
36+880	2587.925	2587.669
36+875	2588.112	2588.195
36+800	2588.752	2588.809
36+925	2587.257	2588.237
36+850	2588.648	2586.887
36+975	2585.249	2585.599
37+000	2585.000	2584.868
37+025	2585.554	2585.864
37+050	2585.090	2585.646
37+075	2584.457	2584.790
37+100	2583.549	2583.674
37+125	2580.114	2580.784
37+150	2581.734	2581.288
37+175	2582.618	2582.452
37+200	2581.346	2581.888



<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			S-DURRANI	
a			DRAWN	MANSOOR	APPROVED	DATE:	Aug 2024		
b			CHECKED	S-DURRANI			DWG NO: CEC/HW/RRDP/N-CHT-1/PPY	9	

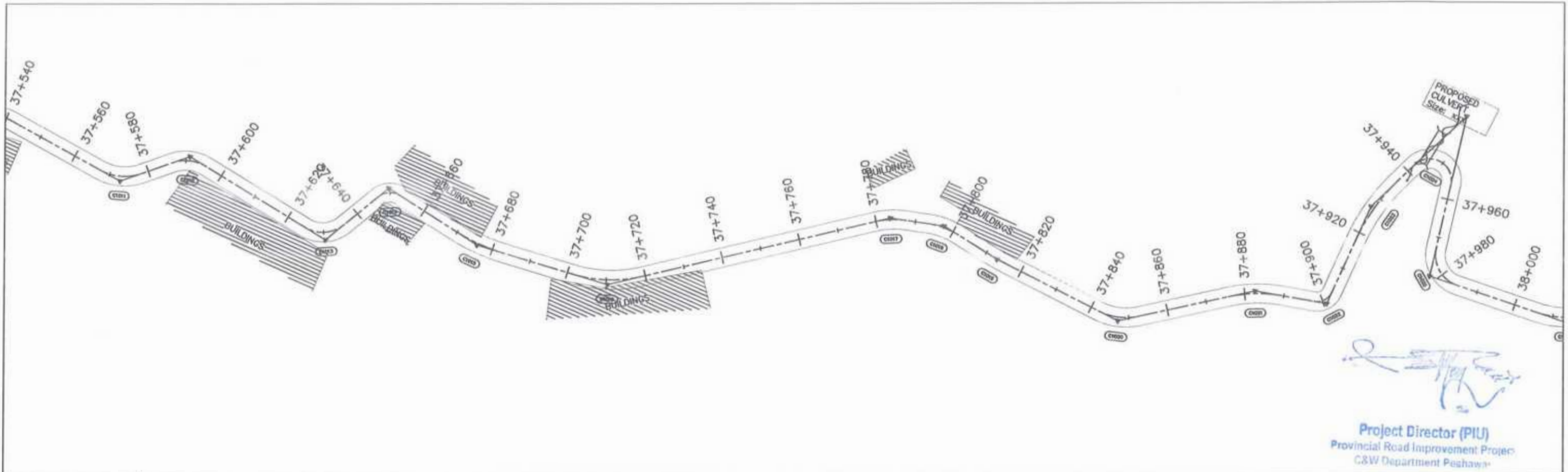


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

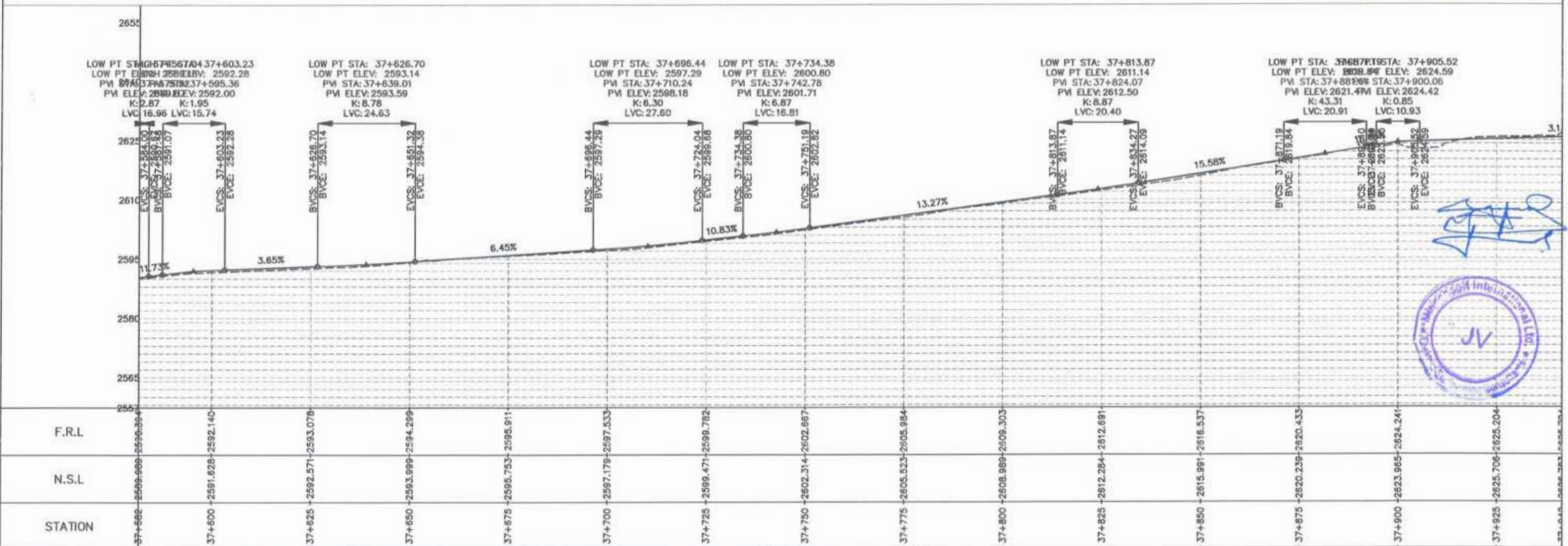


F.R.L	37+225 - 2580.206 - 2580.614	37+250 - 2578.947 - 2579.428	37+275 - 2578.598 - 2579.086	37+300 - 2578.602 - 2579.078	37+325 - 2578.810 - 2579.081	37+350 - 2578.756 - 2579.142	37+375 - 2578.988 - 2579.381	37+400 - 2580.360 - 2580.604	37+425 - 2581.838 - 2582.239	37+450 - 2583.063 - 2583.499	37+475 - 2583.971 - 2584.247	37+500 - 2585.531 - 2585.975	37+525 - 2587.004 - 2587.760	37+550 - 2587.947 - 2588.188	37+575 - 2589.281 - 2589.752
N.S.L															
STATION															

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	S-DURRANI				
a			DRAWN	MANSOOR	APPROVED	AOFEL YOUSUF	Aug 2024	DWG NO: CEC/HW/RRDP/N-CHT-1/PPV	10	
b			CHECKED	S-DURRANI						

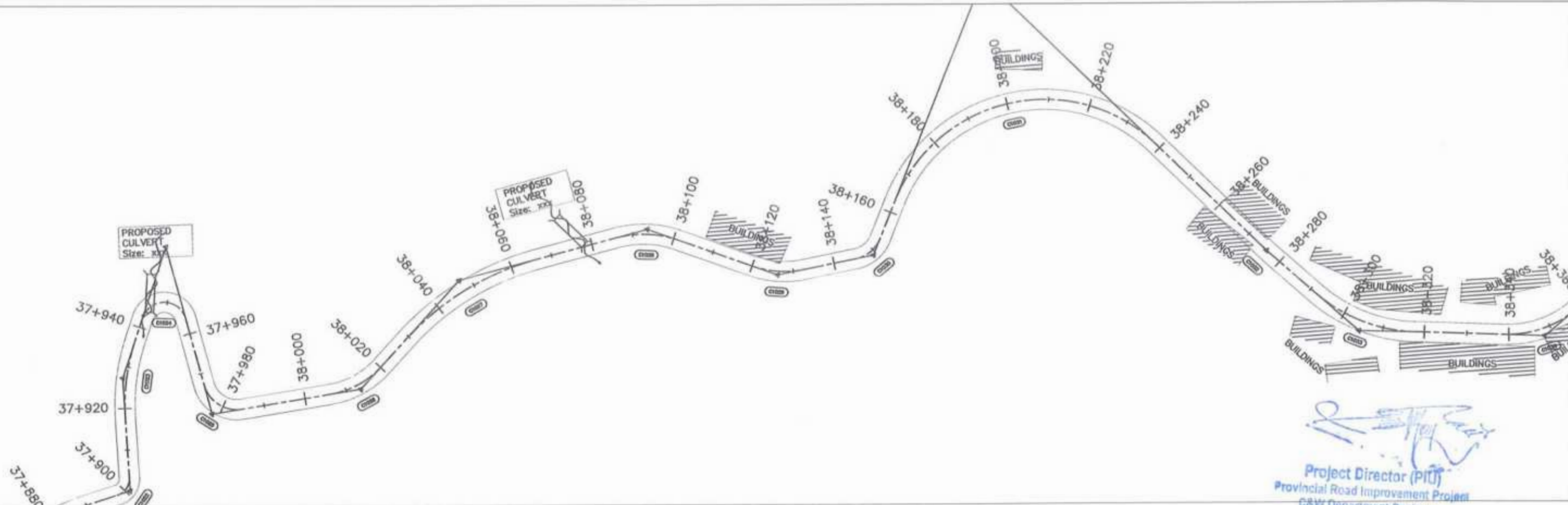


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

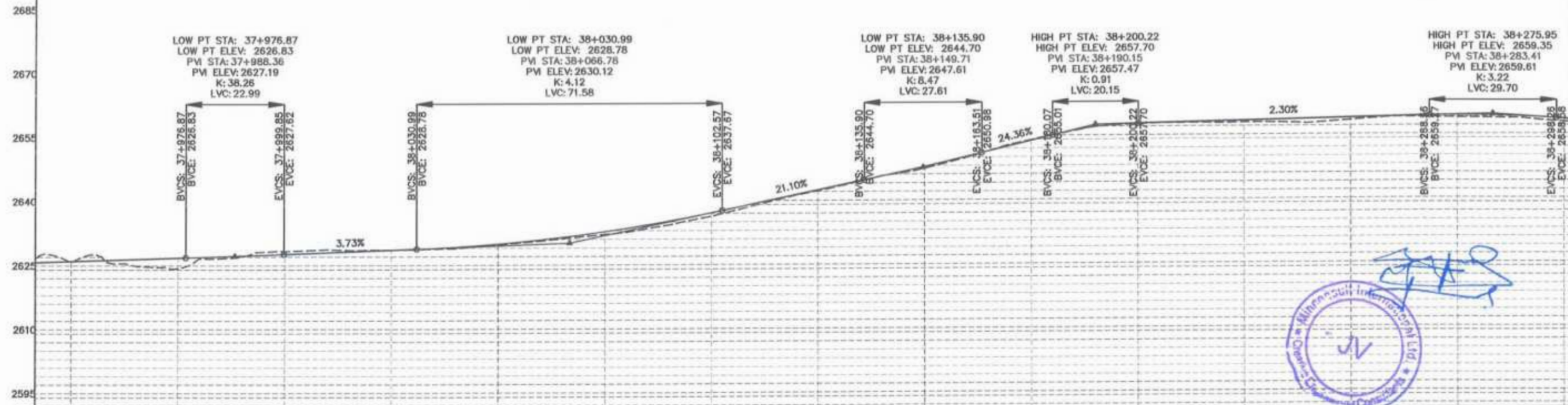


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CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58035-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED: S-DURRANI DRAWN: MANSOOR CHECKED: S-DURRANI APPROVED: AQUEEL YOUSUF	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasth Flood Affected	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 37+581.59 - 37+941.59 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/

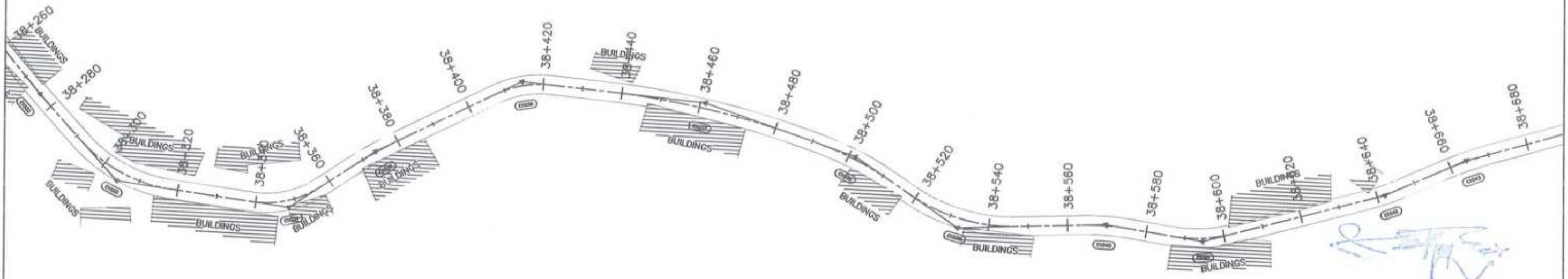



 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

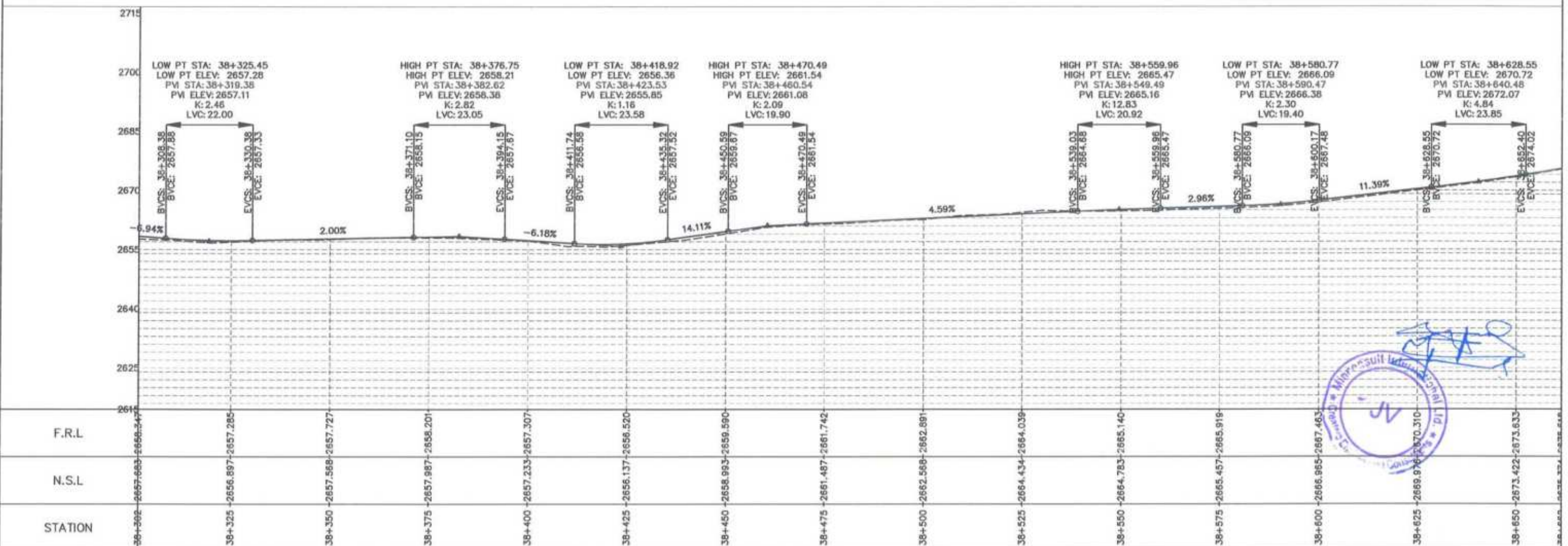





F.R.L	2626.763	2625.987	2624.325	2623.623	2622.556	2621.928	2621.272	2620.633	2619.993	2619.353	2618.713	2618.073	2617.433	2616.793	2616.153	2615.513	2614.873	2614.233	2613.593	2612.953	2612.313	2611.673	2611.033	2610.393	2609.753	2609.113	2608.473	2607.833	2607.193	2606.553	2605.913	2605.273	2604.633	2603.993	2603.353	2602.713	2602.073	2601.433	2600.793	2600.153	2599.513	2598.873	2598.233	2597.593	2596.953	2596.313	2595.673	2595.033	2594.393	2593.753	2593.113	2592.473	2591.833	2591.193	2590.553	2589.913	2589.273	2588.633	2587.993	2587.353	2586.713	2586.073	2585.433	2584.793	2584.153	2583.513	2582.873	2582.233	2581.593	2580.953	2580.313	2579.673	2579.033	2578.393	2577.753	2577.113	2576.473	2575.833	2575.193	2574.553	2573.913	2573.273	2572.633	2571.993	2571.353	2570.713	2570.073	2569.433	2568.793	2568.153	2567.513	2566.873	2566.233	2565.593	2564.953	2564.313	2563.673	2563.033	2562.393	2561.753	2561.113	2560.473	2559.833	2559.193	2558.553	2557.913	2557.273	2556.633	2555.993	2555.353	2554.713	2554.073	2553.433	2552.793	2552.153	2551.513	2550.873	2550.233	2549.593	2548.953	2548.313	2547.673	2547.033	2546.393	2545.753	2545.113	2544.473	2543.833	2543.193	2542.553	2541.913	2541.273	2540.633	2539.993	2539.353	2538.713	2538.073	2537.433	2536.793	2536.153	2535.513	2534.873	2534.233	2533.593	2532.953	2532.313	2531.673	2531.033	2530.393	2529.753	2529.113	2528.473	2527.833	2527.193	2526.553	2525.913	2525.273	2524.633	2523.993	2523.353	2522.713	2522.073	2521.433	2520.793	2520.153	2519.513	2518.873	2518.233	2517.593	2516.953	2516.313	2515.673	2515.033	2514.393	2513.753	2513.113	2512.473	2511.833	2511.193	2510.553	2509.913	2509.273	2508.633	2507.993	2507.353	2506.713	2506.073	2505.433	2504.793	2504.153	2503.513	2502.873	2502.233	2501.593	2500.953	2500.313	2499.673	2499.033	2498.393	2497.753	2497.113	2496.473	2495.833	2495.193	2494.553	2493.913	2493.273	2492.633	2491.993	2491.353	2490.713	2490.073	2489.433	2488.793	2488.153	2487.513	2486.873	2486.233	2485.593	2484.953	2484.313	2483.673	2483.033	2482.393	2481.753	2481.113	2480.473	2479.833	2479.193	2478.553	2477.913	2477.273	2476.633	2475.993	2475.353	2474.713	2474.073	2473.433	2472.793	2472.153	2471.513	2470.873	2470.233	2469.593	2468.953	2468.313	2467.673	2467.033	2466.393	2465.753	2465.113	2464.473	2463.833	2463.193	2462.553	2461.913	2461.273	2460.633	2459.993	2459.353	2458.713	2458.073	2457.433	2456.793	2456.153	2455.513	2454.873	2454.233	2453.593	2452.953	2452.313	2451.673	2451.033	2450.393	2449.753	2449.113	2448.473	2447.833	2447.193	2446.553	2445.913	2445.273	2444.633	2443.993	2443.353	2442.713	2442.073	2441.433	2440.793	2440.153	2439.513	2438.873	2438.233	2437.593	2436.953	2436.313	2435.673	2435.033	2434.393	2433.753	2433.113	2432.473	2431.833	2431.193	2430.553	2429.913	2429.273	2428.633	2427.993	2427.353	2426.713	2426.073	2425.433	2424.793	2424.153	2423.513	2422.873	2422.233	2421.593	2420.953	2420.313	2419.673	2419.033	2418.393	2417.753	2417.113	2416.473	2415.833	2415.193	2414.553	2413.913	2413.273	2412.633	2411.993	2411.353	2410.713	2410.073	2409.433	2408.793	2408.153	2407.513	2406.873	2406.233	2405.593	2404.953	2404.313	2403.673	2403.033	2402.393	2401.753	2401.113	2400.473	2399.833	2399.193	2398.553	2397.913	2397.273	2396.633	2395.993	2395.353	2394.713	2394.073	2393.433	2392.793	2392.153	2391.513	2390.873	2390.233	2389.593	2388.953	2388.313	2387.673	2387.033	2386.393	2385.753	2385.113	2384.473	2383.833	2383.193	2382.553	2381.913	2381.273	2380.633	2379.993	2379.353	2378.713	2378.073	2377.433	2376.793	2376.153	2375.513	2374.873	2374.233	2373.593	2372.953	2372.313	2371.673	2371.033	2370.393	2369.753	2369.113	2368.473	2367.833	2367.193	2366.553	2365.913	2365.273	2364.633	2363.993	2363.353	2362.713	2362.073	2361.433	2360.793	2360.153	2359.513	2358.873	2358.233	2357.593	2356.953	2356.313	2355.673	2355.033	2354.393	2353.753	2353.113	2352.473	2351.833	2351.193	2350.553	2349.913	2349.273	2348.633	2347.993	2347.353	2346.713	2346.073	2345.433	2344.793	2344.153	2343.513	2342.873	2342.233	2341.593	2340.953	2340.313	2339.673	2339.033	2338.393	2337.753	2337.113	2336.473	2335.833	2335.193	2334.553	2333.913	2333.273	2332.633	2331.993	2331.353	2330.713	2330.073	2329.433	2328.793	2328.153	2327.513	2326.873	2326.233	2325.593	2324.953	2324.313	2323.673	2323.033	2322.393	2321.753	2321.113	2320.473	2319.833	2319.193	2318.553	2317.913	2317.273	2316.633	2315.993	2315.353	2314.713	2314.073	2313.433	2312.793	2312.153	2311.513	2310.873	2310.233	2309.593	2308.953	2308.313	2307.673	2307.033	2306.393	2305.753	2305.113	2304.473	2303.833	2303.193	2302.553	2301.913	2301.273	2300.633	2300.033	2299.393	2298.753	2298.113	2297.473	2296.833	2296.193	2295.553	2294.913	2294.273	2293.633	2292.993	2292.353	2291.713	2291.073	2290.433	2289.793	2289.153	2288.513	2287.873	2287.233	2286.593	2285.953	2285.313	2284.673	2284.033	2283.393	2282.753	2282.113	2281.473	2280.833	2280.193	2279.553	2278.913	2278.273	2277.633	2276.993	2276.353	2275.713	2275.073	2274.433	2273.793	2273.153	2272.513	2271.873	2271.233	2270.593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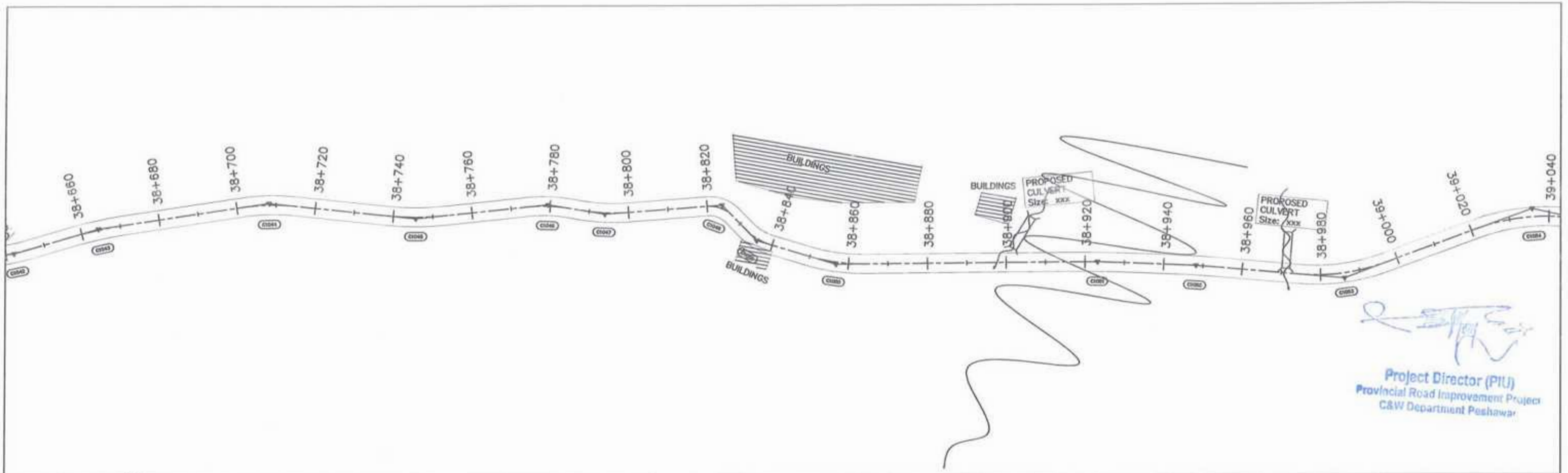


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Pathawar

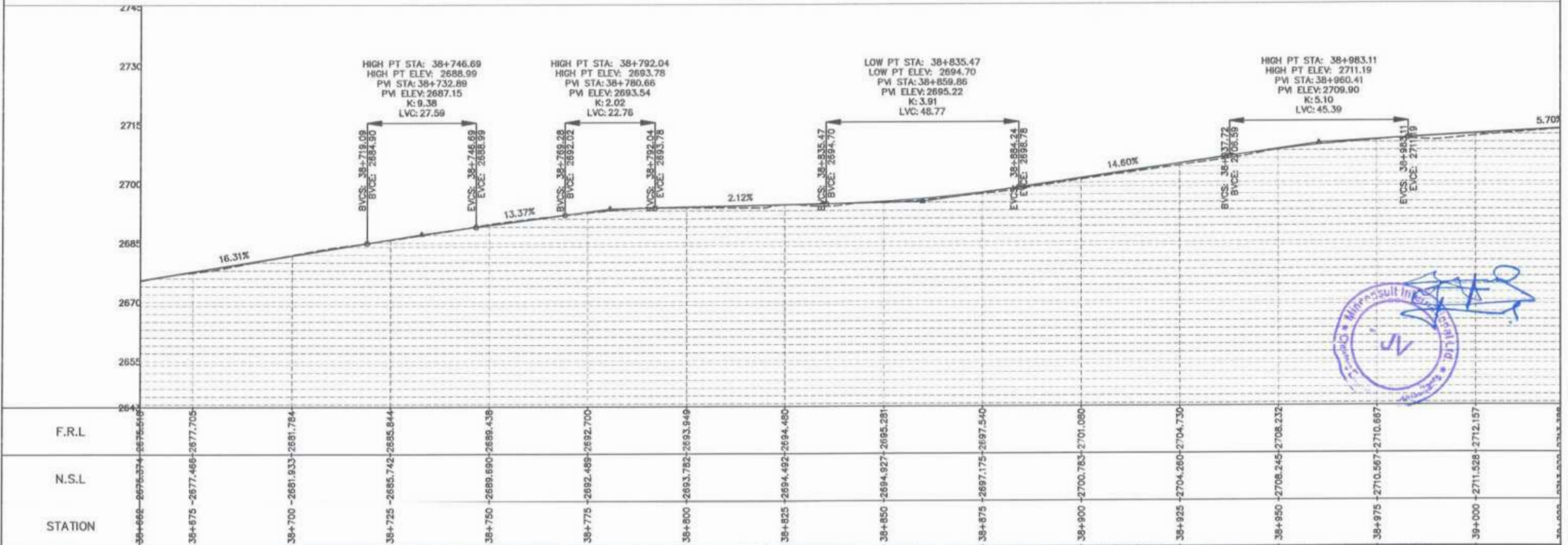


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 Provincial Road Improvement Project
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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	ROAD NAME: N-CHT-1 Shesha To Madalcasht Flood Affected	SCALE:	SHEET CONTENT: PLAN & PROFILE 38+301.59 - 38+661.59 DWG NO: CEC/HW/RRDP/N-CHT-1/PPV	
		0	Aug 2024	Tender Drawings.	G.DESIGNED			S-DURRANI		H=1:1000
		a			DRAWN			MANSOOR		DATE:
		b			CHECKED			S-DURRANI		Aug 2024
					APPROVED	AQEEL YOUNIS			13	

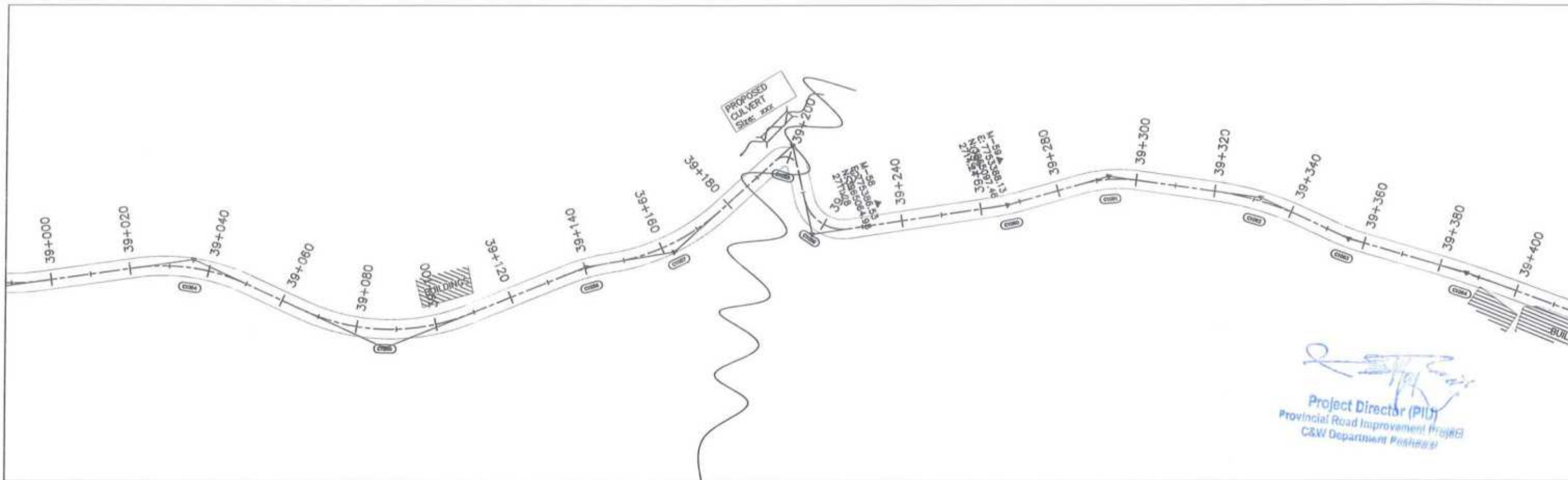


[Signature]
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

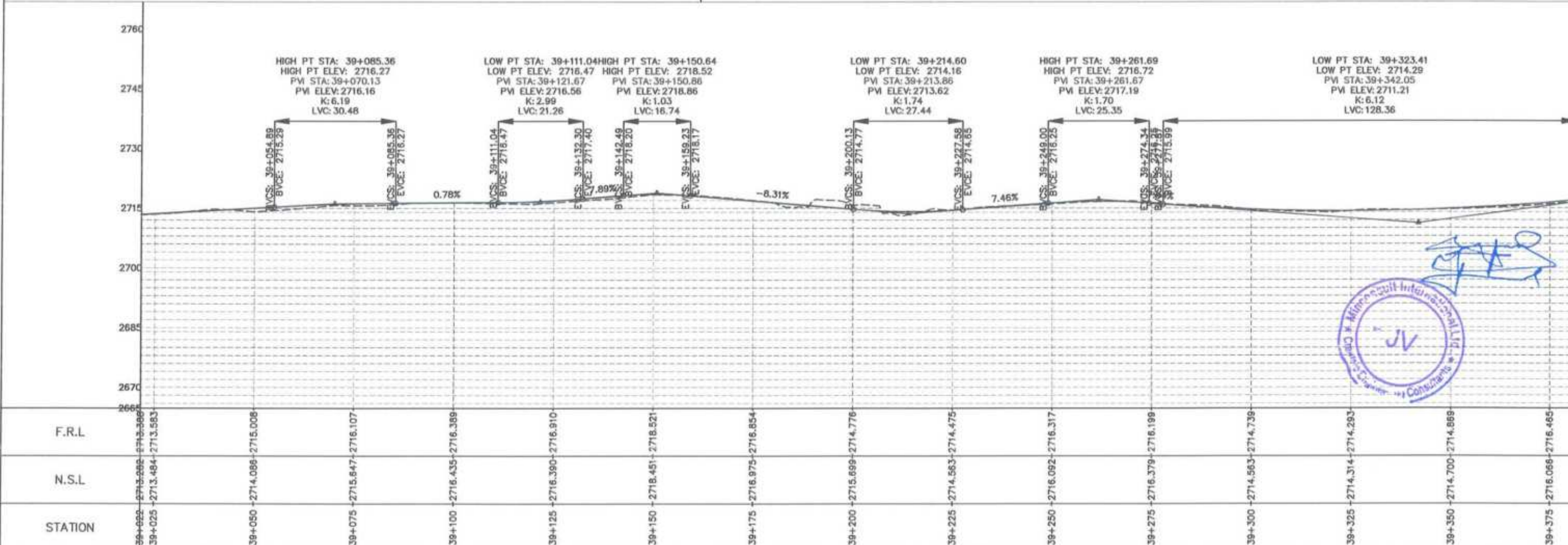


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CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	 MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024.	Tender Drawings.	G.DESIGNED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashit Flood Affected	H=1:1000	PLAN & PROFILE 38+661.59 - 39+021.59 DWG NO: CEC/HWIRRD/PIU/N-CHT-1/PP/
		a			DRAWN MANSOOR			DATE:	
		b			CHECKED S-DURRANI			Aug 2024.	
					APPROVED				

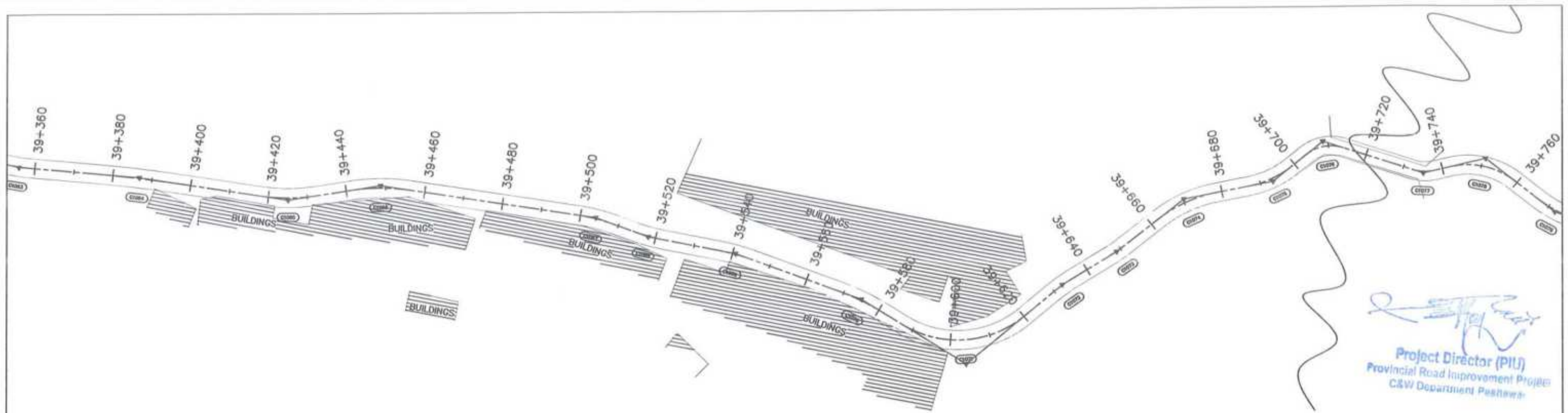


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

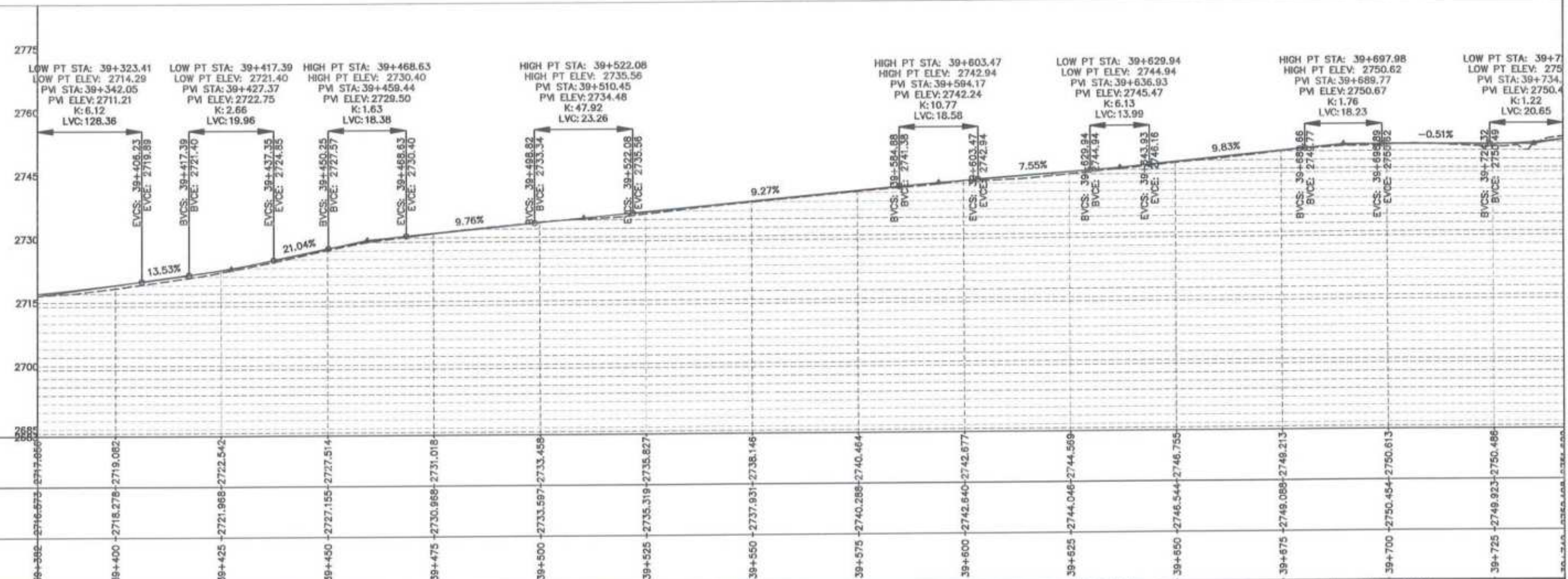


JV
 Creative Engineering Consultants (CEC)

<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	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcash	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 39+021.59 - 39+381.59 DWG NO: CEC/RWRDP/N-CHT-1/PP/ 15
		a			DRAWN	MANSOOR				
		b			CHECKED	S-DURRANI				
		c			APPROVED	AQEEL YOUNIS				

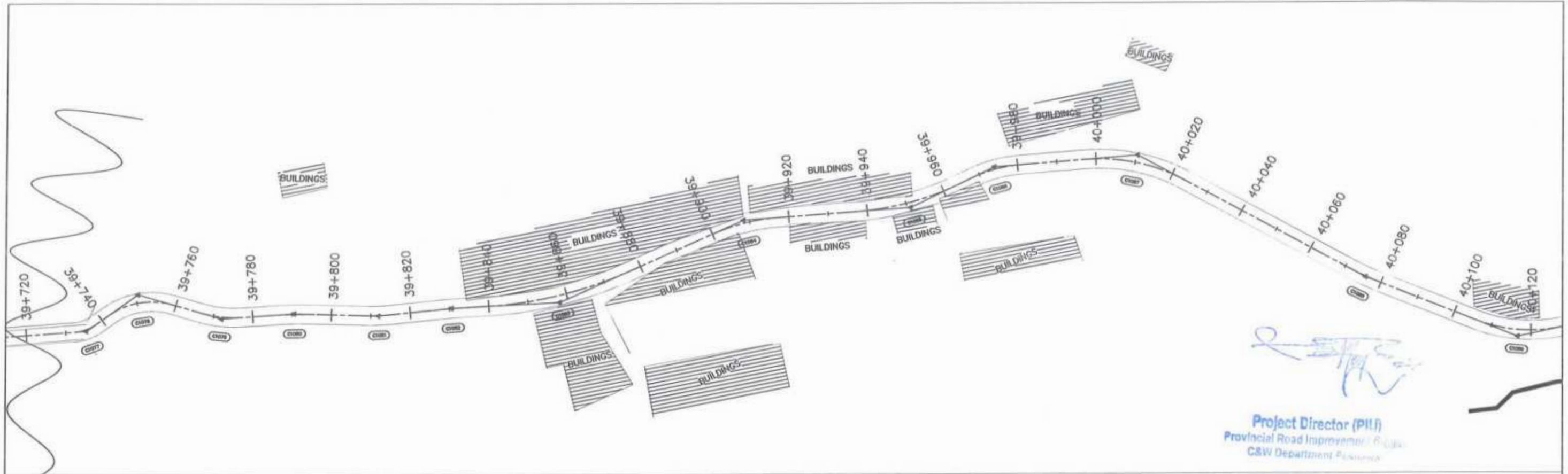


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

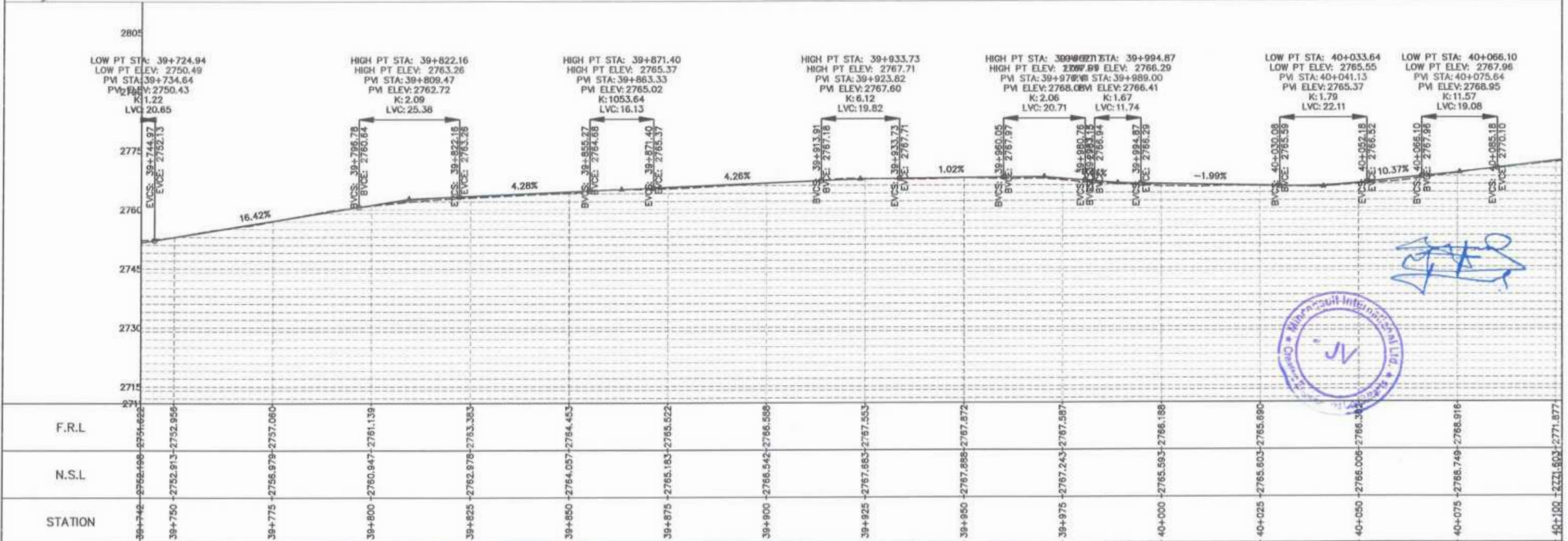


STATION	N.S.L	F.R.L
39+360	2716.675	2717.666
39+400	2718.278	2719.082
39+425	2721.968	2722.542
39+450	2727.155	2727.514
39+475	2730.988	2731.018
39+500	2733.597	2733.459
39+525	2735.319	2735.827
39+550	2737.931	2738.146
39+575	2740.288	2740.464
39+600	2742.640	2742.877
39+625	2744.046	2744.569
39+650	2746.544	2746.755
39+675	2749.089	2749.213
39+700	2750.454	2750.613
39+725	2749.923	2750.486

<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	S-DURRANI					KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcash	H=1:1000	PLAN & PROFILE 39+381.59 - 39+741.59
		a			DRAWN	MANSOOR								
		b			CHECKED	S-DURRANI								
			APPROVED	S-DURRANI										
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA DESIGN CONSULTANT: (MIN - JV - CEC) REV 0 Aug 2024 Tender Drawings NAMES: G.DESIGNED S-DURRANI, DRAWN MANSOOR, CHECKED S-DURRANI, APPROVED S-DURRANI PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) ROAD NAME: N-CHT-1 Shesha To Madalcash SCALE: H=1:1000 SHEET CONTENT: PLAN & PROFILE 39+381.59 - 39+741.59 DATE: Aug 2024 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/ 16														

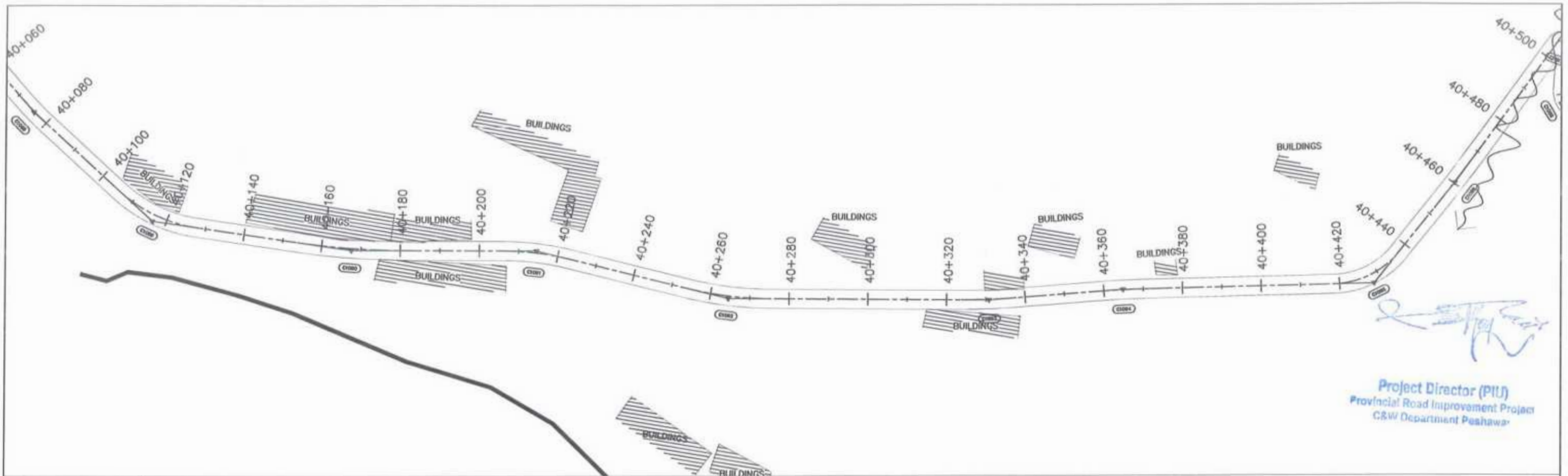


Project Director (PIU)
 Provincial Road Improvement
 C&W Department

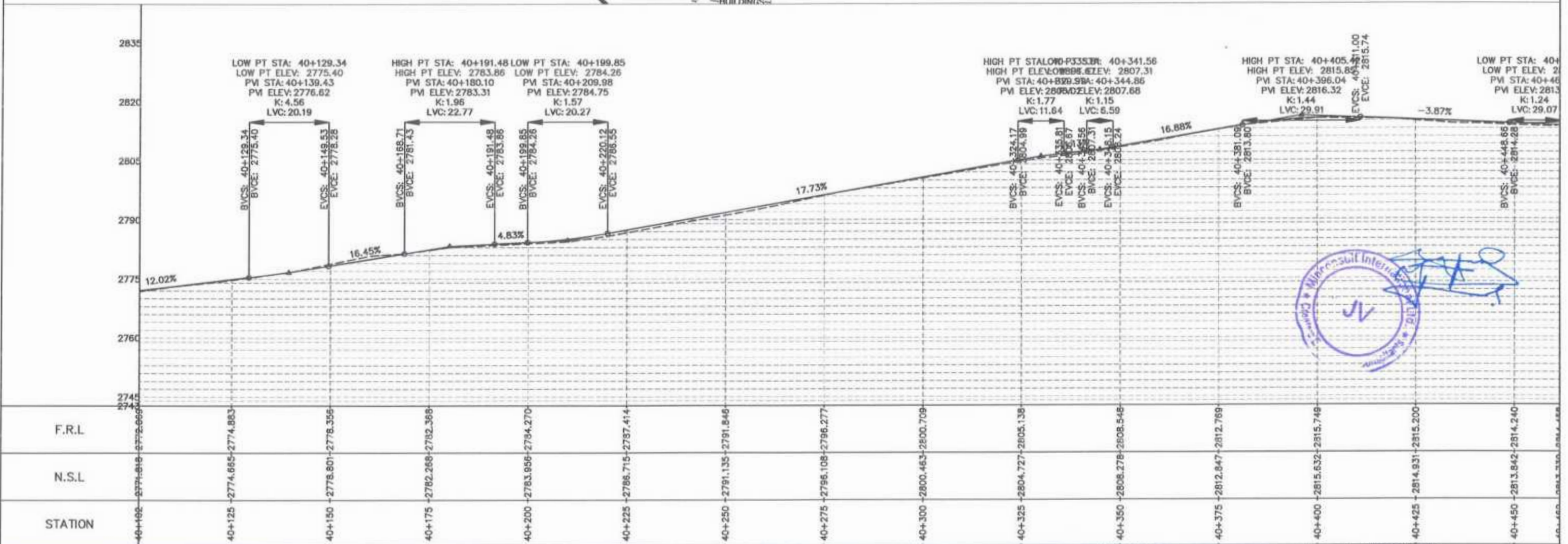


STATION	N.S.L	F.R.L
39+742	2752.496	2754.622
39+750	2752.913	2752.956
39+775	2756.979	2757.060
39+800	2760.947	2761.139
39+825	2762.978	2763.383
39+850	2764.057	2764.453
39+875	2765.183	2765.522
39+900	2766.542	2766.588
39+925	2767.883	2767.553
39+950	2767.888	2767.872
39+975	2767.243	2767.587
40+000	2765.593	2766.188
40+025	2765.803	2765.690
40+050	2766.006	2766.342
40+075	2768.749	2768.916
40+100	2771.803	2771.877

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 S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasth Flood Affected	H=1:1000	PLAN & PROFILE 39+741.59 - 40+101.59 DWG NO: CEC/HW/RRDP/N-CHT-1/PP/
		a			DRAWN MANSOOR			DATE:	
		b			CHECKED S-DURRANI			Aug 2024	
					APPROVED ADEEL YOUSUF				

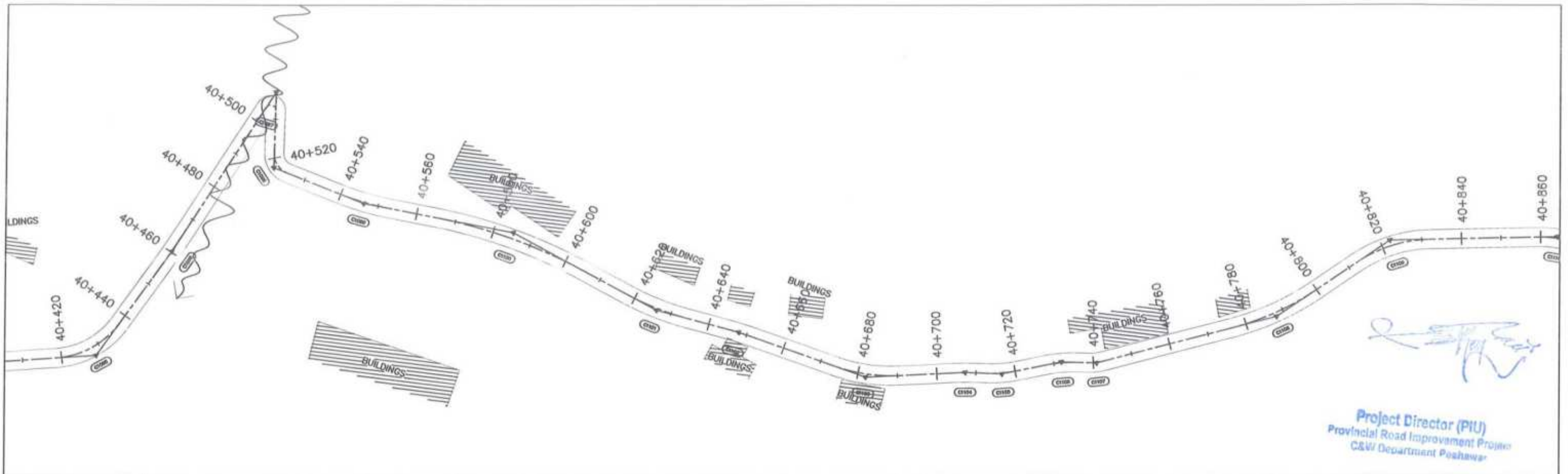


Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

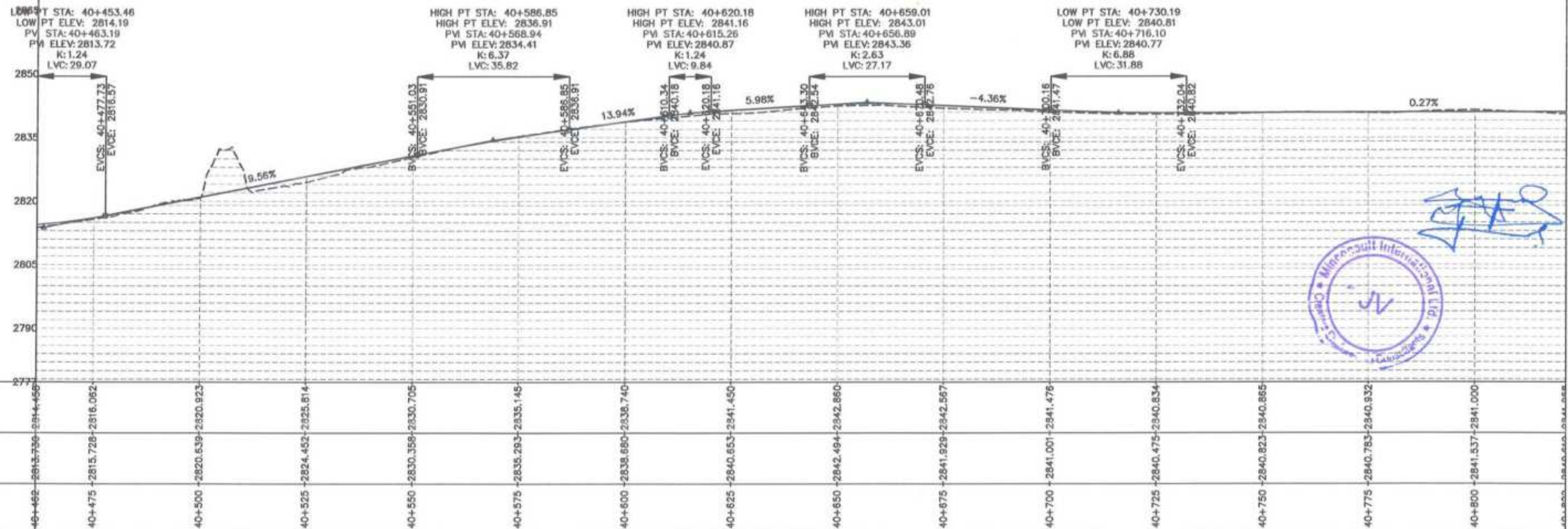


Minorsuit International
 Peshawar

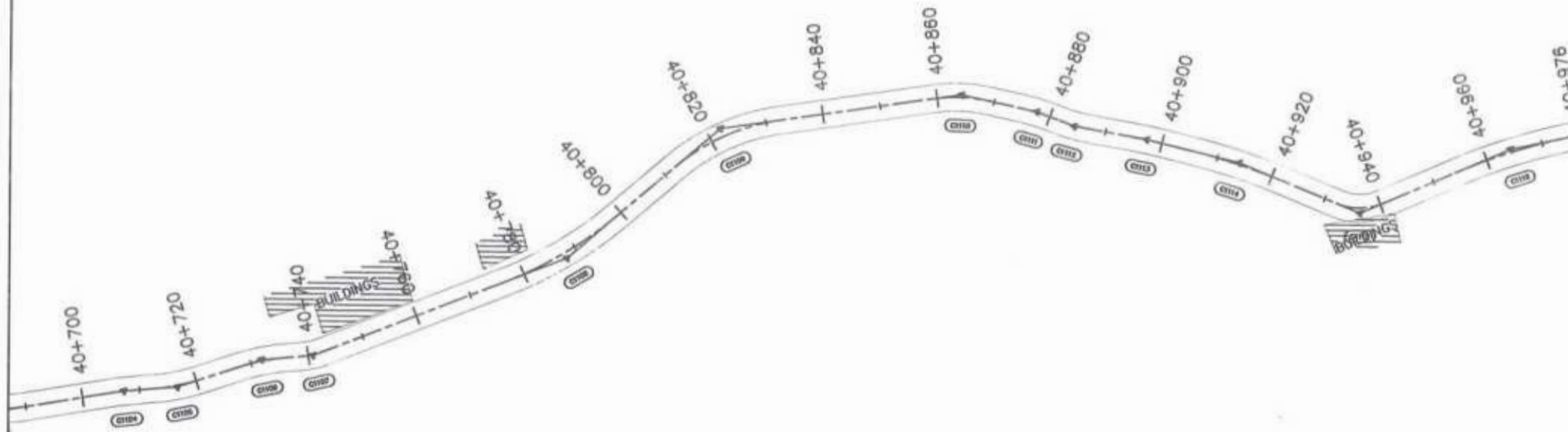
CLIENT:	DESIGN CONSULTANT:	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	0	Aug 2024	Tender Drawings	G.DESIGNED S-DURRANI DRAWN MANSOOR CHECKED S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcasht Flood Affected	H=1:1000 DATE: Aug 2024	PLAN & PROFILE 40+101.59 - 40+461.59 PWG NO: CEC/WR/RRDP/N-CHT-1/PP/



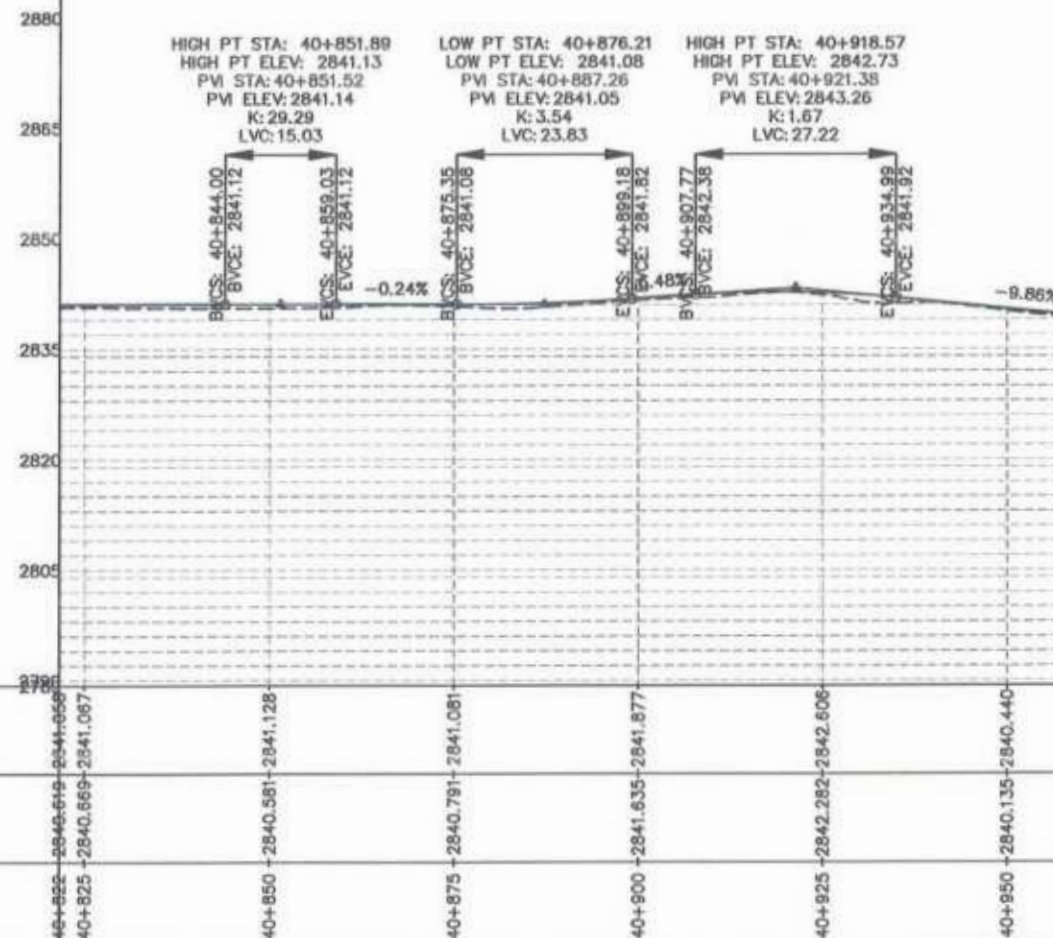
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



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: S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1	H=1:1000	PLAN & PROFILE 40+461.59 - 40+821.59 DWG NO: CEC/HWR/RRDP/N-CHT-1/PP/ 19	
		a			DRAWN: MANSOOR		S-DURRANI	Flood Affected		DATE: Aug 2024
		b			CHECKED: S-DURRANI					
		c			APPROVED: ADFFI YOUSUF					



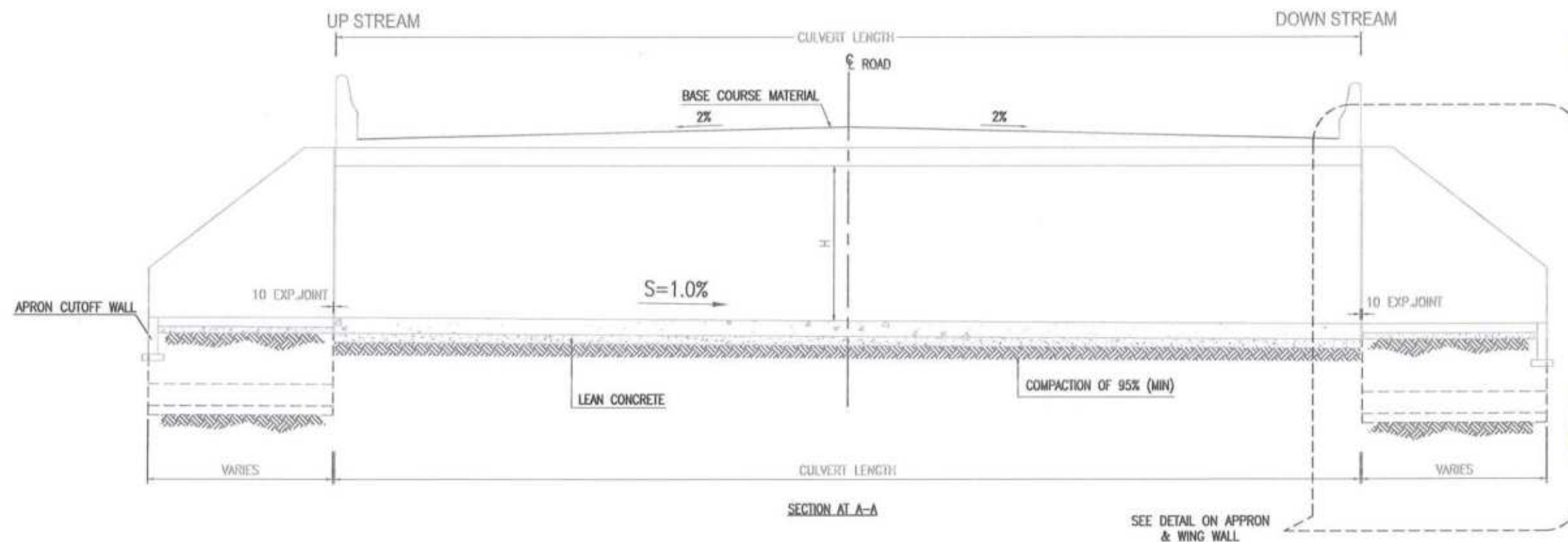
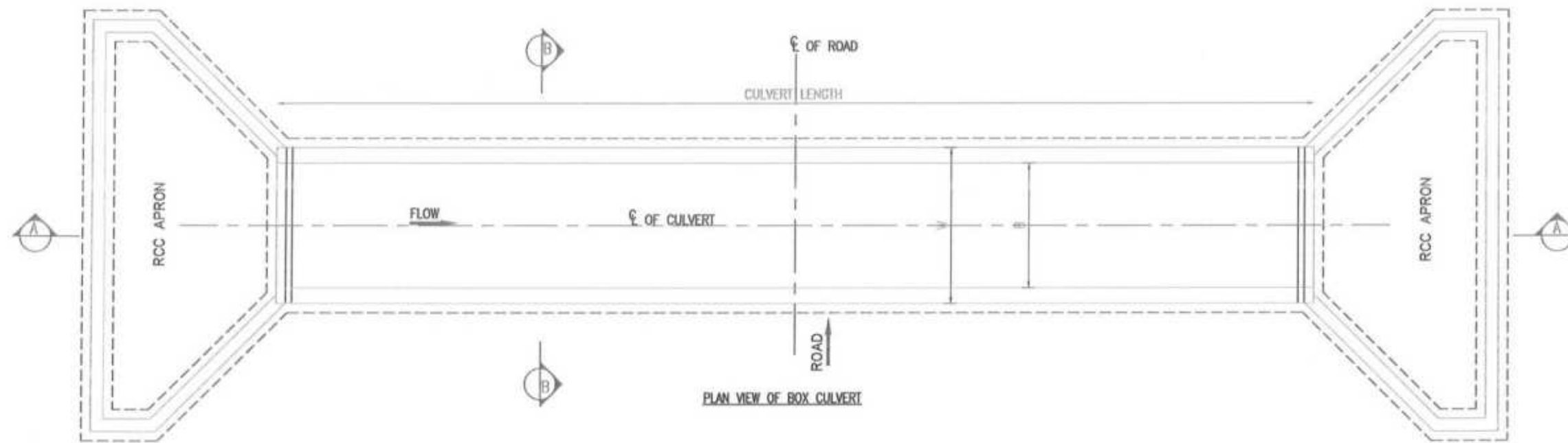
[Signature]
Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar



F.R.L	2840.649-2841.066	2840.581-2841.128	2840.791-2841.081	2841.635-2841.877	2842.282-2842.606	2840.135-2840.440
N.S.L	2840.649-2841.066	2840.581-2841.128	2840.791-2841.081	2841.635-2841.877	2842.282-2842.606	2840.135-2840.440
STATION	40+825	40+850	40+875	40+900	40+925	40+950

[Signature]

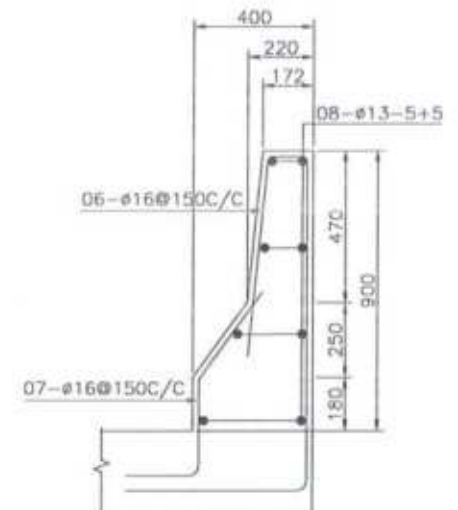
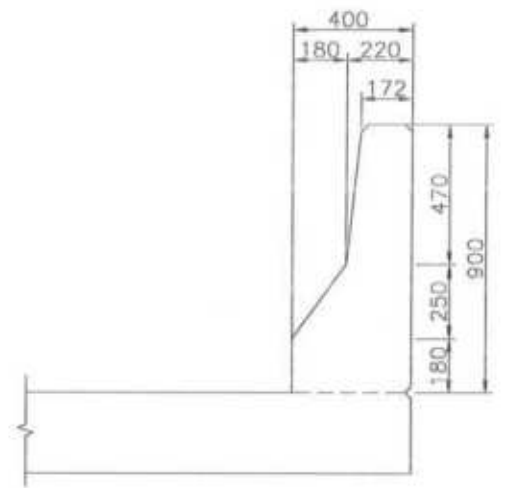
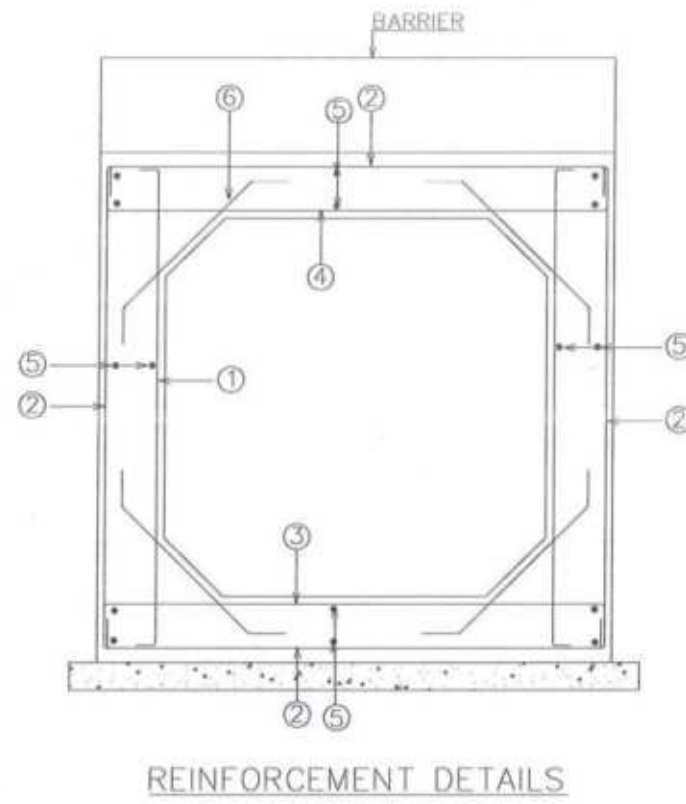
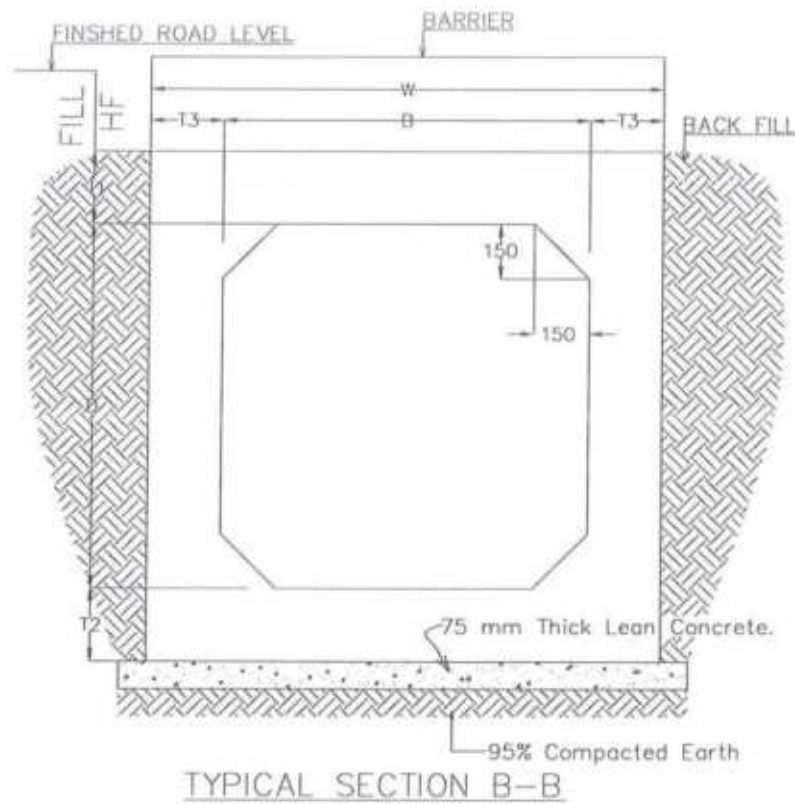
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	ROAD NAME:	SCALE:	SHEET CONTENT:
		0	Aug 2024	Tender Drawings	G.DESIGNED	S-DURRANI	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	N-CHT-1 Shesha To Madalcashi Flood Affected	H=1:1000	
a			DRAWN	MANSOOR	DATE:	PLAN & PROFILE 40+821.59 - 40+975.83			Aug 2024	
b			CHECKED	S-DURRANI	DWG NO: CEC/HW/RRDP/N-CHT-1/PP/		20			
c			APPROVED	AQEEL YOUNIS						



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

[Handwritten Signature]
Minconsult International Ltd.
 JV
 Creative Engineering Consultants

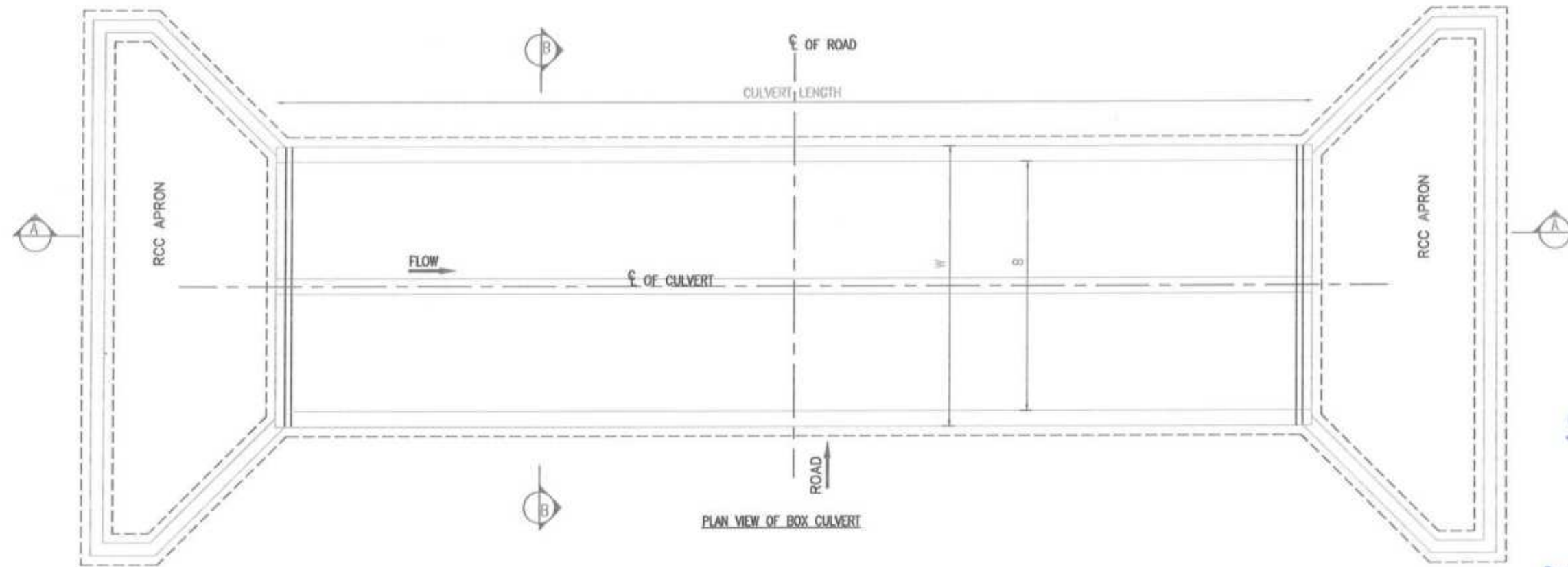
CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD (COMPANY NO. 58835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: N.T.S. DATE: SEP.	SHEET CONTENT: SINGLE CELL BOX CULVERT PLAN & SECTION VIEW	
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED				M.FAIZAN
		1			DRAWN				MUSHTAQ
		2			CHECKED				M.ISLAM
					PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-8 LOT-2			



- 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

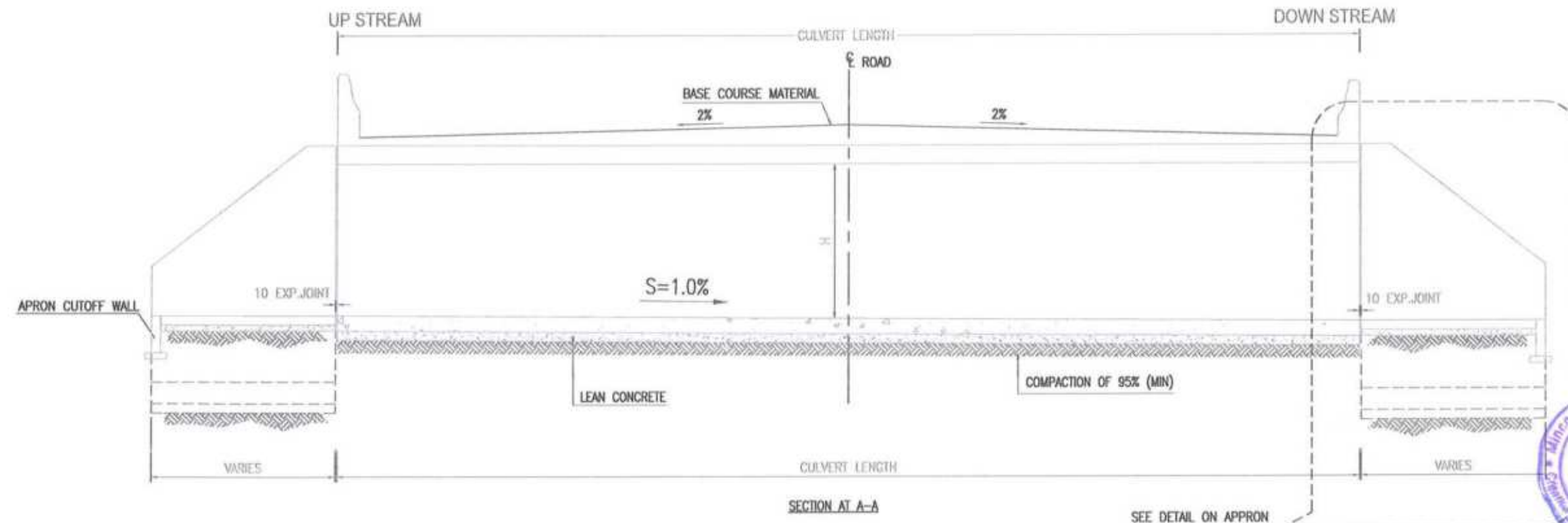
SINGLE CELL BOX CULVERT DIMENSION AND REINFORCEMENT												
SIZE		FILL HF	T1	T2	T3	W	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6
B	D						DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C
1000	1000	300-600	250	250	250	1500	16-150	16-150	16-150	16-150	10-150	10-150
		601-1000	200	200	200	1400	12-150	16-150	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	300-600	250	250	250	1500	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	200	200	200	1400	16-150	16-150	16-150	20-150	10-150	10-150
		1001-2000	200	200	200	1400	16-150	16-150	12-150	16-150	10-150	10-150
1500	1000	300-600	275	275	225	1950	20-200	20-200	16-150	20-200	10-150	10-150
		601-1000	225	225	225	1850	16-150	16-150	16-150	20-200	10-150	10-150
		1001-2000	225	225	225	1950	16-150	16-150	12-150	16-150	10-150	10-150
2000	1000	300-600	300	315	250	2500	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	250	250	250	2500	16-150	20-150	16-150	20-150	10-150	10-150
		1001-2000	250	250	250	2500	16-150	16-150	16-150	16-150	10-150	10-150
2500	1000	300-600	325	325	300	3100	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	275	275	275	3050	16-150	20-150	16-150	20-150	10-150	10-150
		1001-2000	275	275	275	3050	16-150	16-150	16-150	16-150	10-150	10-150
1500	1500	300-600	275	275	225	1950	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	225	225	225	1950	16-150	16-150	16-150	20-150	10-150	10-150
		1001-2000	225	225	225	1950	16-150	16-150	12-150	16-150	10-150	10-150
2000	1500	300-600	300	315	250	2500	20-200	20-200	20-200	20-200	10-150	10-150
		601-1000	250	250	250	2500	16-150	16-150	16-150	20-200	10-150	10-150
		1001-2000	250	250	250	2500	16-150	16-150	16-150	16-150	10-150	10-150
2500	1500	300-600	325	325	300	3050	20-150	20-150	20-150	20-150	10-150	10-150
		601-1000	275	275	275	3050	16-150	20-150	16-150	20-150	10-150	10-150
		1001-2000	275	275	275	3050	16-150	16-150	16-150	16-150	10-150	10-150
3000	1500	300-600	400	415	325	3650	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	300	300	300	3600	16-150	20-150	16-150	16-150	10-150	10-150
		1001-2000	300	300	300	3600	20-200	20-200	20-200	20-200	10-150	10-150
2000	2000	300-600	300	315	250	2500	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	250	250	250	2500	16-150	20-150	16-150	20-200	10-150	10-150
		1001-2000	250	250	250	2500	16-150	16-150	16-150	16-150	10-150	10-150
2000	2500	300-600	300	325	275	2550	20-150	20-150	16-150	20-150	10-150	10-150
		601-1000	250	275	275	2550	16-150	20-150	16-150	20-200	10-150	10-150
		1001-2000	250	275	275	2550	16-150	16-150	16-150	16-150	10-150	10-150
2500	2000	300-600	325	325	325	3150	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	275	275	275	3050	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	275	275	275	3050	20-200	20-200	20-200	20-200	12-150	12-150
3000	2000	300-600	400	425	325	3650	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	300	275	275	3550	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	300	275	275	3550	20-200	20-200	20-200	20-200	12-150	12-150
3000	3000	300-600	400	425	350	3700	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	300	300	300	3600	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	300	300	300	3600	20-200	20-200	20-200	20-200	12-150	12-150
3000	3500	300-600	400	425	375	3750	20-150	20-150	20-150	20-150	12-150	12-150
		601-1000	300	325	325	3650	16-150	20-150	16-150	20-150	12-150	12-150
		1001-2000	300	325	325	3650	20-200	20-200	20-200	20-200	12-150	12-150
4000	2000	300-600	500	500	350	4700	20-125	20-125	20-150	20-100	12-150	12-150
		601-1000	350	350	350	4700	20-150	20-150	20-150	20-100	12-150	12-150
		1001-2000	350	350	350	4700	20-170	20-170	20-170	20-100	12-150	12-150

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	<p>PROJECT: Provincial Road Improvement Project C&W Dept. KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>	<p>SCALE: N.T.S SHEET CONTENT: SINGLE CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL</p>
		<p>0</p>	<p>SEP. 2024</p>	<p>TENDER DRAWINGS</p>	<p>DESIGNED: M.FAZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM APPROVED: AQEEL YOUNIS</p>		



[Handwritten Signature]

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

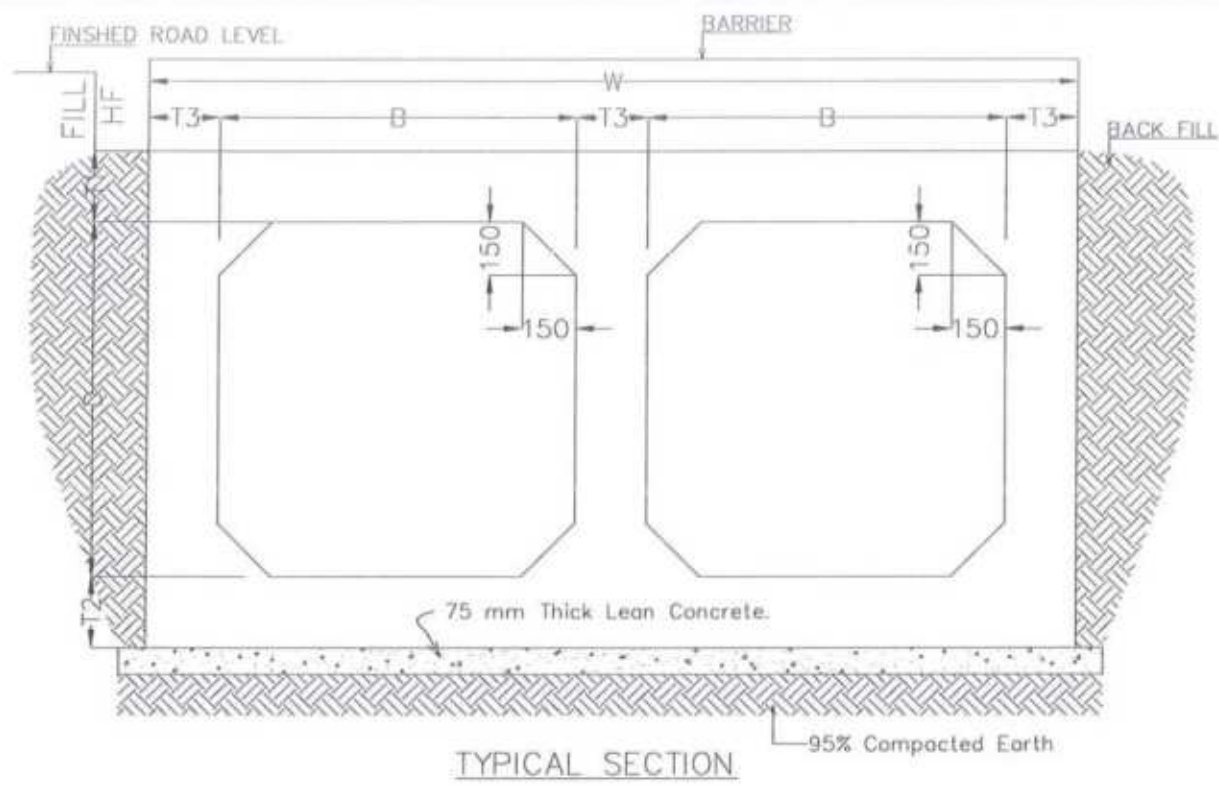


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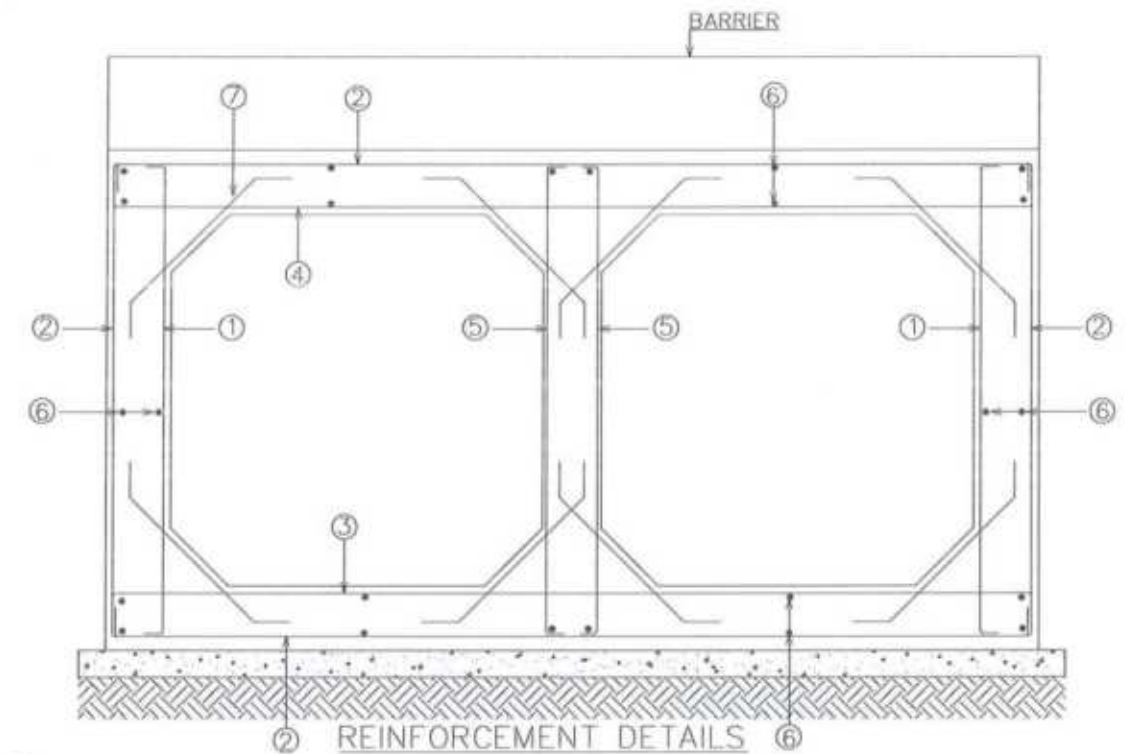


SEE DETAIL ON APRON & WING WALL DWG

<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 ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-8 LOT-2	SCALE:	SHEET CONTENT: 2 CELL BOX CULVERT PLAN & SECTION VIEW	
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED			M.FAIZAN		N.T.S
		*			DRAWN			MUSHTAQ		DATE:
		b			CHECKED			M.ISLAM		SEP,



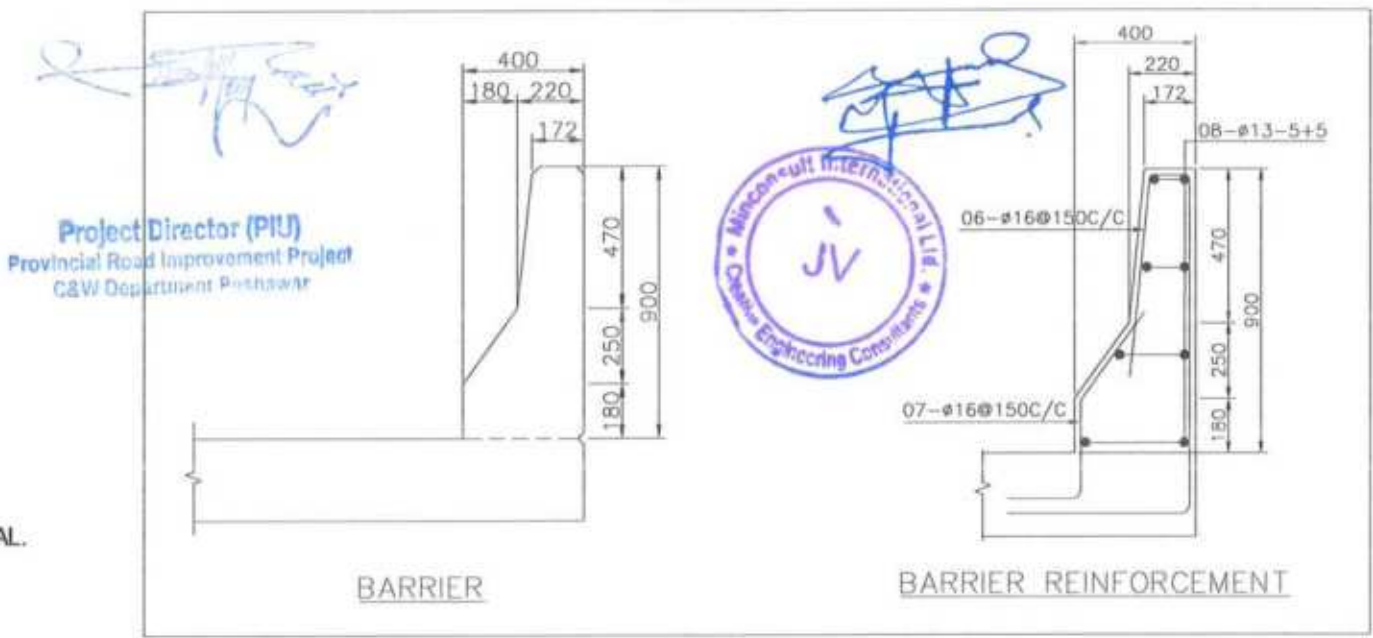
TYPICAL SECTION



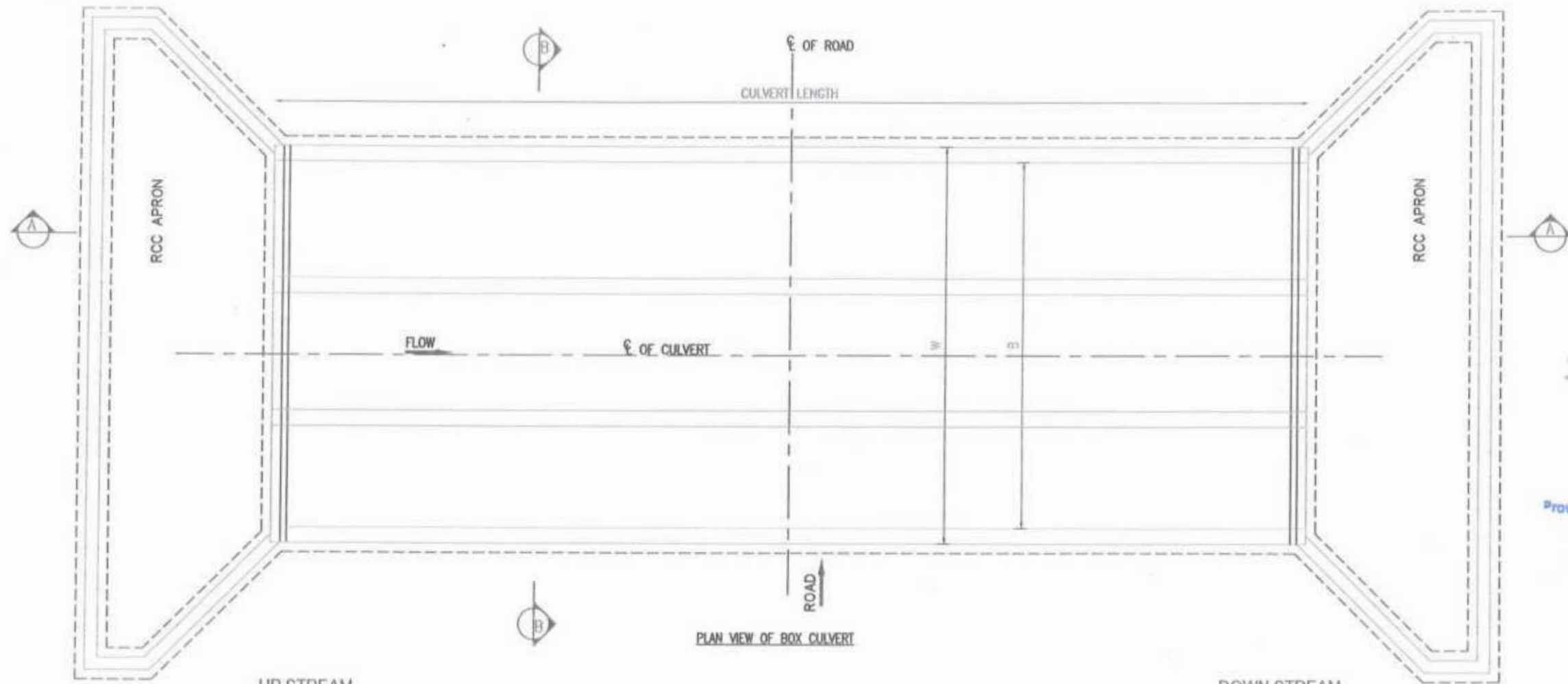
REINFORCEMENT DETAILS

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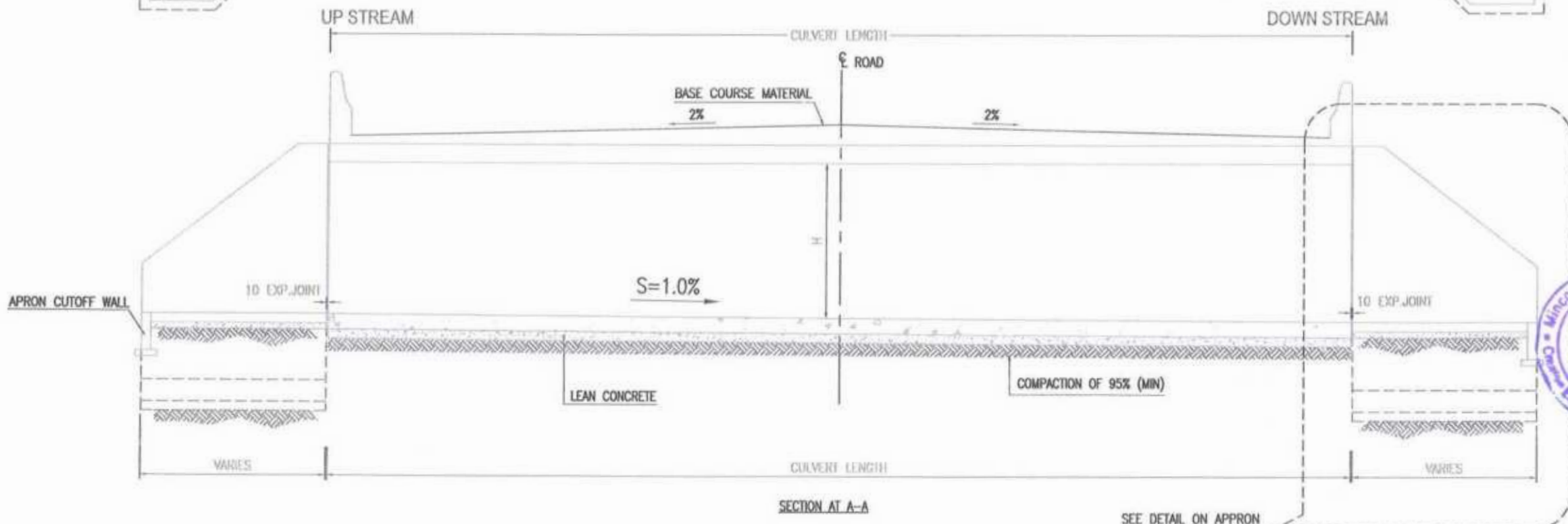
- NOTES:-**
- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED.
 - 2- ALL CONCRETE SHALL BE REINFORCED CONCRETE CLASS A3.
 - 3- REINFORCEMENT FOR REINFORCED CONCRETE SHALL BE DEFORMED BAR OF (GRADE 60) CONFORMING TO AASHTO M-31 (ASTM A615) WITH MINIMUM YIELD STRENGTH OF 4200 kg/sq.cm (60,000 psi).
 -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



<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	PACKAGE-8 LOT-2	SCALE:	SHEET CONTENT:
	<p>MINCONSULT SDN BHD (COMPANY NO. 58636-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	SEP. 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N.T.5	2 CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL
					DRAWN: MUSHTAQ			DATE:	
					CHECKED: M.ISLAM			SEP. 2024	
					APPROVED: AQEEL YOUNIS			DWG NO./CEC/KPRRDP/STR/STR-02D	



PLAN VIEW OF BOX CULVERT

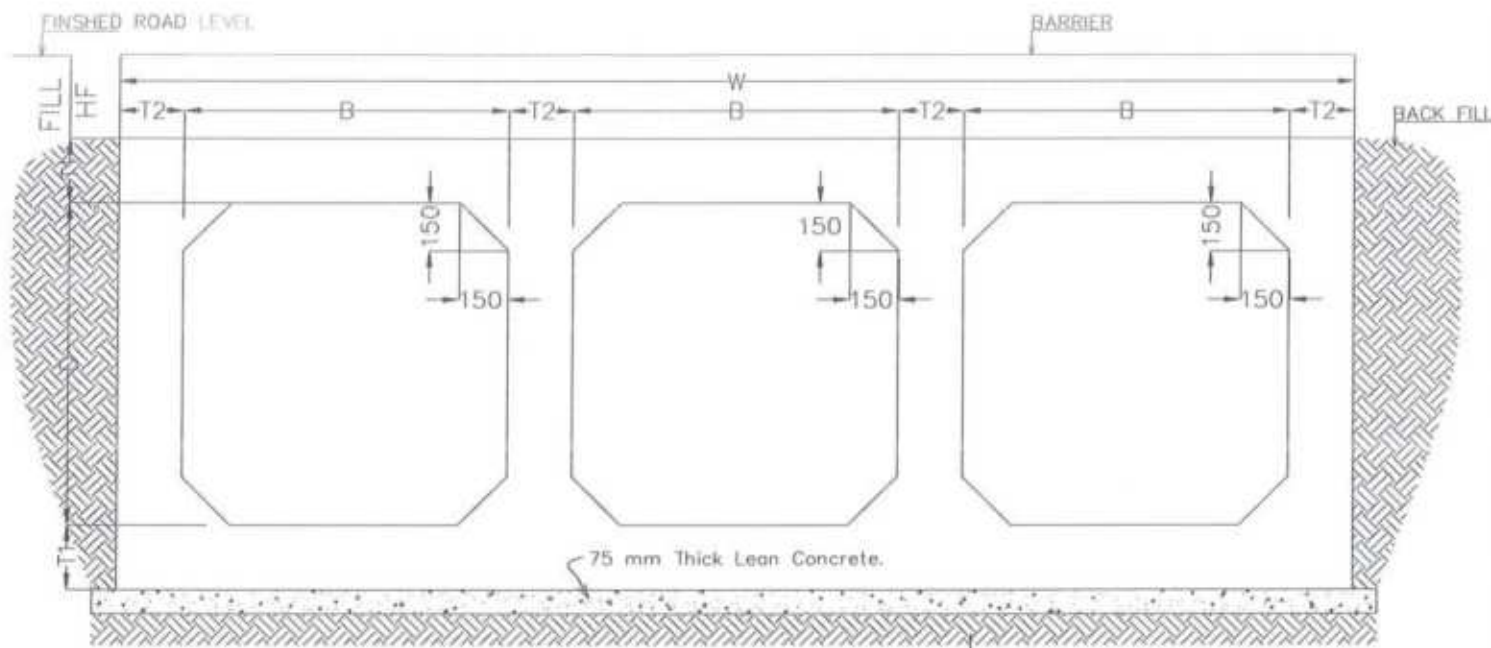


SECTION AT A-A

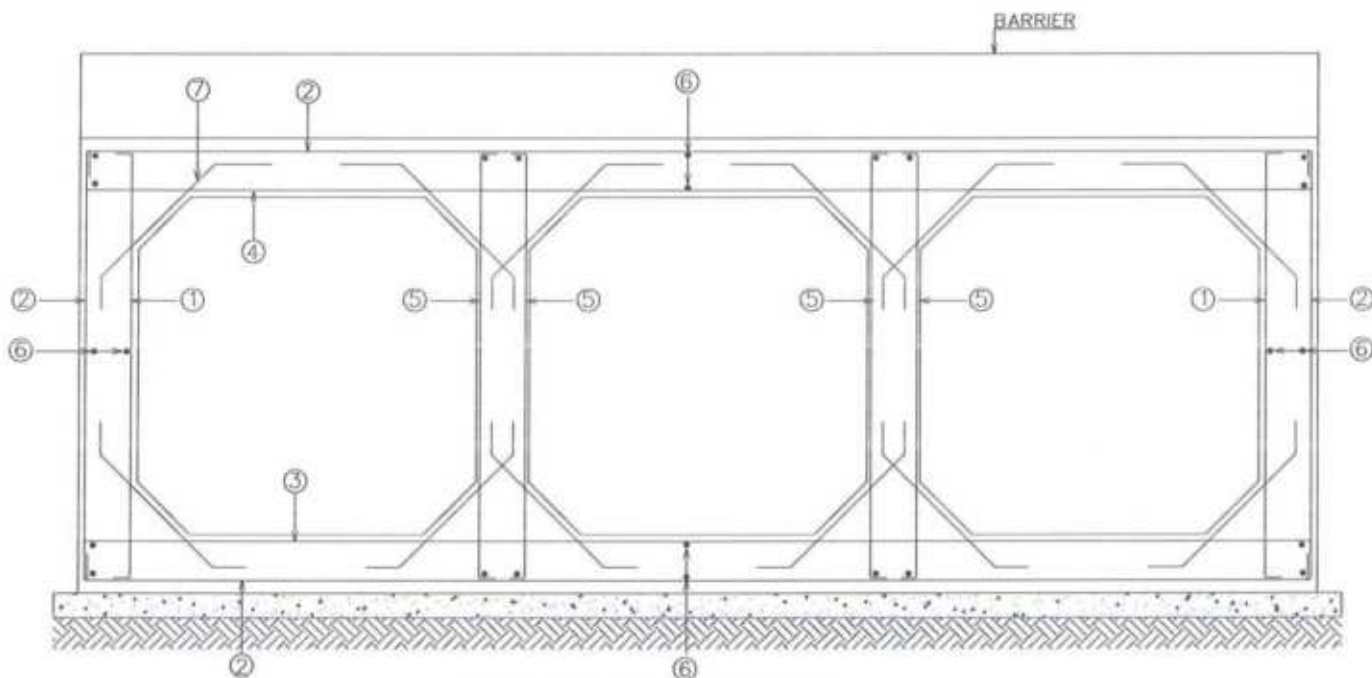
[Handwritten Signature]
 Project Director (PIU)
 Provincial Road Improvement Project
 C&W Department Peshawar

[Handwritten Signature]
 JV
 Minconsult International Ltd.
 Creative Engineering Consulting Commission

GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	MINCONSULT SDN BHD (COMPANY NO. 59835 P) J.V. CREATIVE ENGINEERING CONSULTANTS	REV	DATE	DESCRIPTION	NAMES:		PROJECT:	SCALE:	SHEET CONTENT:
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED	M.FAIZAN			
1			DRAWN	MUSHTAQ	DATE:				
2			CHECKED	M.ISLAM					



TYPICAL SECTION

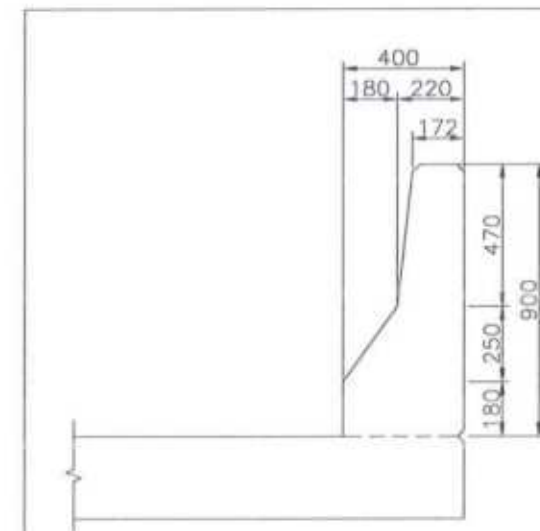


REINFORCEMENT DETAILS

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 θ, HOWEVER IF SKEW IT SHALL BE FINALIZED AS PER SITE REQUIREMENT.
- 7- CONCRETE COVER: OUTER SIDE = 50mm, INNER SIDE = 40mm, BOTTOM = 40mm & TOP = 40mm

THREE / MULTI 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	BAR 7
								DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C	DIA-C/C
2000	1000	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	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	8600	20-150	20-150	20-175	20-125	16-150	12-200	12-200
			1001-2000	275	275	275	8600	16-150	20-150	20-175	20-125	16-150	12-200	12-200
2000	1500	1000	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	1000	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	1000	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	1000	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	1000	300-600	500	500	350	13400	20-125	20-125	20-125	20-100	20-150	12-200	12-200
			601-1000	350	350	350	13400	20-150	20-150	20-150	20-100	20-150	12-200	12-200
			1001-2000	250	250	250	13000	20-170	20-170	20-170	20-100	20-150	12-200	12-200
3000	3000	1000	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
			1001-2000	300	300	300	10200	20-170	20-170	20-170	20-170	20-125	12-170	12-170



BARRIER

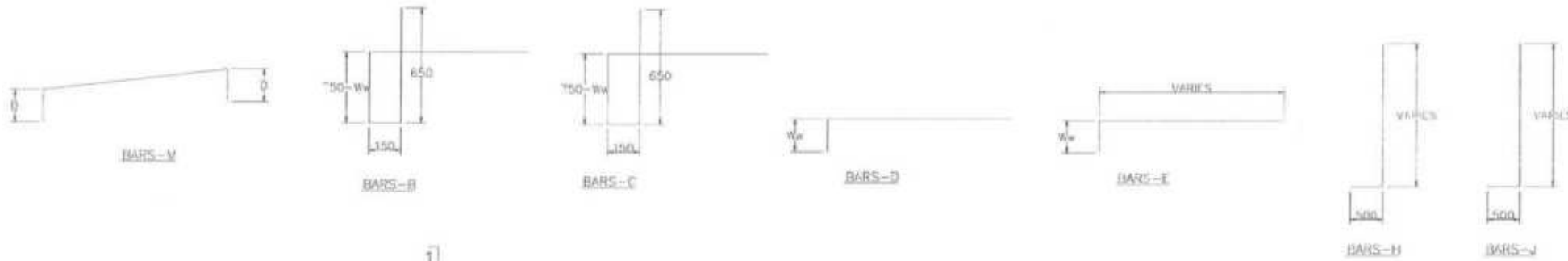


BARRIER REINFORCEMENT

<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:	PACKAGE-8 LOT-2	SCALE:	SHEET CONTENT: THREE/MULTI CELL BOX CULVERT SECTION & REINFORCEMENT DETAIL DWG NO:CEC/KP/RRDP/STR/STR-02F	
		0	SEP, 2024	TENDER DRAWINGS	DESIGNED	M.FAIZAN		KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N.T.S
		a			DRAWN	MUSHTAQ				DATE:
		b			CHECKED	M.ISLAM				SEP, 2024
c			APPROVED	AQEEL YOUNIS						

APRON & WINGWALLS DIMENSIONS & REINFORCEMENTS

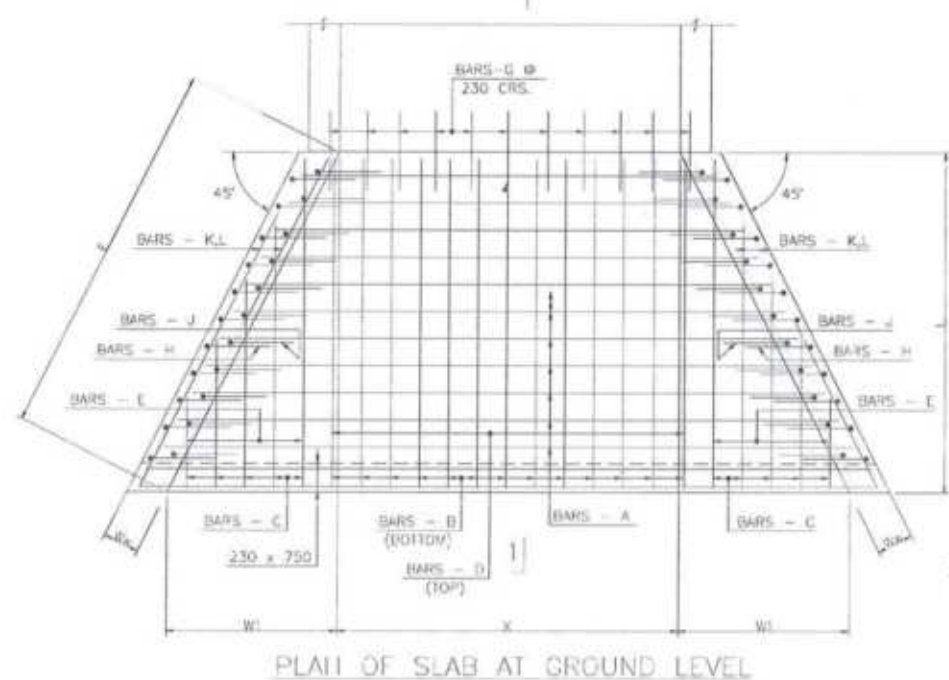
BOX DIMENSIONS			APRON & WING WALL DIMENSIONS						BAR - A		BAR - B		BAR - C		BAR - D		BAR - E		BAR - F		BAR - G		BAR - H		BAR - J		BAR - K		BAR - L		BAR - M															
H	L	W	X	L	E	WT	W ₁	D	DA	Nos. of Bars	ML Length	MX Length	DA	Nos. of Bars	ML Length	MX Length	DA	Nos. of Bars	ML Length	MX Length	DA	Nos. of Bars	ML Length	MX Length	DA	Nos. of Bars	ML Length	MX Length	DA	Nos. of Bars	ML Length	MX Length														
1500	1000	250	1500	1000	1415	1000	250	850	12#	5 x 2	2100	4100	10#	9	2220	19#	3+5	1620	2220	10#	9	1170	10#	5+5	570	1170	12#	6	4100	12#	8	1200	10#	9#2	1360	2275	10#	5#4	180	1170	10#	4#2	1315	12#	2+2	2935
	1500	250	1500	1500	2122	1500	250	850	12#	10 x 2	2100	5100	10#	9	2720	10#	7+7	1750	2720	10#	9	1670	10#	7+7	700	1670	12#	6	5100	12#	8	1200	10#	13#2	1400	2775	10#	7#4	400	1875	10#	4#2	2022	12#	2+2	3800
	2000	300	2000	2000	2830	2000	250	700	12#	15 x 2	2100	6100	12#	9	3220	12#	8+8	1870	3220	12#	9	2170	12#	9+9	820	2170	16#	6	6100	12#	6	1200	12#	17#2	1480	3325	10#	10#4	290	2510	10#	4#2	2730	16#	2+2	4767
3000	1000	300	3000	1000	1415	1000	250	700	12#	5 x 2	2600	4600	10#	12	2220	10#	5+5	1620	2220	10#	12	1170	10#	5+5	570	1170	12#	6	4600	12#	10	1200	12#	9#2	1410	2325	10#	5#4	180	1170	10#	4#2	1315	12#	2+2	3035
	1000	300	3000	1500	2122	1500	250	700	12#	10 x 2	2600	5600	10#	12	2720	10#	7+7	1750	2720	10#	12	1670	10#	7+7	700	1670	12#	8	5600	12#	10	1200	12#	13#2	1450	2825	10#	7#4	400	1875	10#	4#2	2025	12#	2+2	3800
	2000	300	2000	2000	2830	2000	250	700	12#	15 x 2	2600	6600	12#	12	3220	12#	8+8	1870	3220	12#	12	2170	12#	8+8	820	2170	16#	6	6600	12#	10	1200	12#	17#2	1490	3325	10#	10#4	290	2510	10#	4#2	2730	16#	2+2	4767
1500	1000	250	1500	1000	1415	1000	250	750	12#	5 x 2	3100	5100	10#	11	2220	10#	5+5	1620	2220	10#	11	1170	10#	5+5	570	1170	12#	6	5100	12#	13	1200	10#	9#2	1460	2375	10#	5#4	180	1170	10#	4#2	1315	12#	2+2	3135
	1500	250	1500	1500	2122	1500	250	750	12#	10 x 2	3100	6100	10#	11	2720	10#	7+7	1750	2720	10#	11	1670	10#	7+7	700	1670	12#	6	6100	12#	13	1200	10#	13#2	1500	2875	10#	7#4	400	1875	10#	4#2	2025	12#	2+2	4000
	2000	250	2000	2000	2830	2000	250	750	12#	15 x 2	3100	7100	12#	11	3220	12#	8+8	1870	3220	12#	11	2170	12#	8+8	820	2170	16#	6	7100	12#	13	1200	12#	17#2	1540	3375	10#	10#4	290	2510	10#	4#2	2730	16#	2+2	4967
3000	1000	300	3000	1000	1415	1000	250	800	12#	5 x 2	3600	5600	10#	17	2220	10#	5+5	1620	2220	10#	17	1170	10#	5+5	570	1170	12#	6	5600	12#	15	1200	10#	9#2	1510	2425	10#	5#4	180	1170	10#	4#2	1315	12#	2+2	3235
	1500	250	1500	1500	2122	1500	250	800	12#	10 x 2	3600	6600	10#	17	2720	10#	7+7	1750	2720	10#	17	1670	10#	7+7	700	1670	12#	6	6600	12#	15	1200	10#	13#2	1550	2925	10#	7#4	400	1875	10#	4#2	2025	12#	2+2	4100
	2000	250	2000	2000	2830	2000	250	800	12#	15 x 2	3600	7600	12#	17	3220	12#	8+8	1870	3220	12#	17	2170	12#	8+8	820	2170	16#	6	7600	12#	15	1200	12#	17#2	1590	3425	10#	10#4	290	2510	10#	4#2	2730	16#	2+2	4967
1500	1000	300	1500	1000	1415	1000	250	800	12#	20 x 2	3600	6600	12#	17	3710	12#	12+12	1870	3710	12#	17	2670	12#	12+12	820	2670	16#	6	6600	12#	12	1200	12#	23#2	1460	3875	10#	13#4	450	3360	10#	4#2	3420	16#	2+2	5080
	1500	300	1500	1500	2122	1500	250	800	12#	10 x 2	3600	7600	12#	17	4210	12#	14+14	1870	4210	12#	17	3170	12#	14+14	820	3170	16#	6	7600	12#	12	1200	12#	23#2	1460	4375	10#	14#4	500	4000	10#	4#2	4140	16#	2+2	6186
	2000	300	2000	2000	2830	2000	250	800	12#	15 x 2	3600	8600	12#	17	4710	12#	16+16	1870	4710	12#	17	3670	12#	16+16	820	3670	16#	6	8600	12#	12	1200	12#	23#2	1460	4575	10#	15#4	550	4600	10#	4#2	4740	16#	2+2	7286



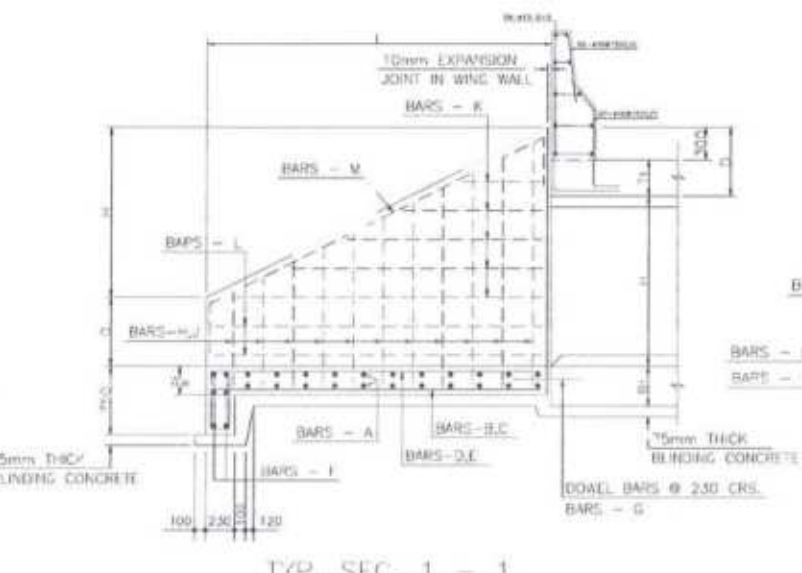
NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- ALL STRUCTURAL CONCRETE SHALL BE CLASS-A3 HAVING COMPRESSIVE STRENGTH OF 280 Kg/cm²
- ALL STRUCTURAL REINFORCEMENT SHALL BE OF GRADE PRO-400 Road Improvement Project CONFORMING TO ASTM A-615.
- MINIMUM COVER TO THE REINFORCEMENT TO BE 40mm.

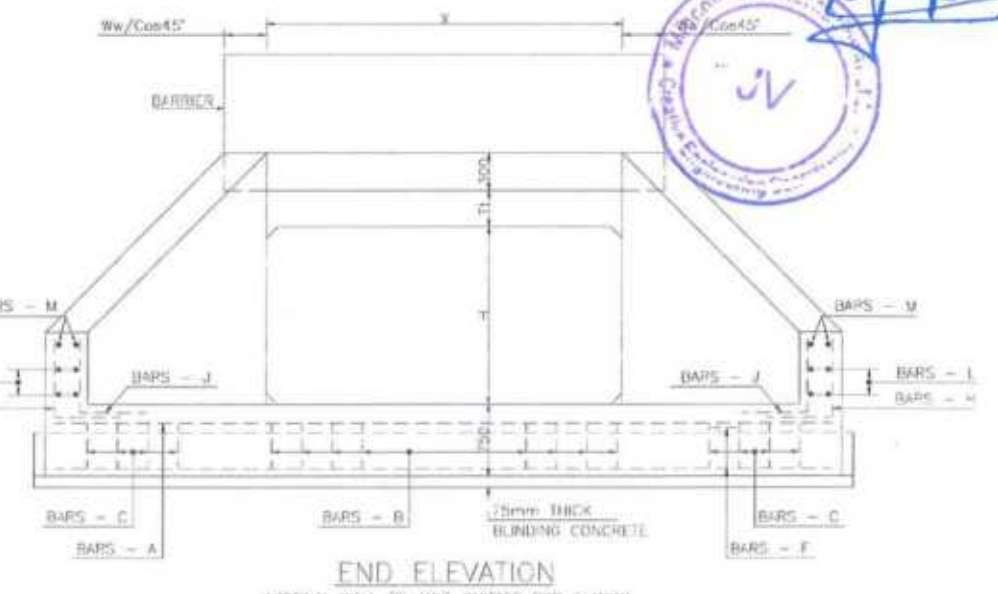
Project Director (PIU)
Khyber Pakhtunkhwa Road Improvement Project
C&W Department Peshawar



PLAN OF SLAB AT GROUND LEVEL



TYP. SEC. 1 - 1



END ELEVATION

INTERNAL WALL (IF ANY) OMITTED FOR CLARITY.

<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT</p>	DESIGN CONSULTANT: (MIN - JV - CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	PACKAGE-B KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE:	SHEET CONTENT:
	<p>MINCONSULT SDN BHD (COMPANY NO. 58635-P) J.V. CREATIVE ENGINEERING</p>	0	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)		N.T.S	REINFORCEMENT DETAIL OF BOX CULVERT APRON & WING WALL
					DRAWN: MUSHTAQ			DATE:	
					CHECKED: M.ISLAM				

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

PIPE CULVERT NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. CLASS 'C' CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 210 KG PER CM² AT 28 DAYS.
3. CLASS 'A' CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 300 KG PER CM² AT 28 DAYS.
4. LEAN CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 100 KG PER CM² AT 28 DAYS.
5. CONCRETE TYPE SHALL CONFORM TO ASTM A-1191, "REINFORCED CONCRETE CEMENT, STORM BRICKS AND REBAR PIPE (C-18) SPECIFICATIONS".
6. ALL SUBSTRUCTURE FOOTINGS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
7. ALL ELEVATIONS SHOWN ARE ESTIMATED AND SUBJECT TO CHANGE TO SURE-YEAD CONDITIONS.
8. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 20 MM.
9. FOR CULVERT LOCATION, TYPE, SKEW ANGLE AND INVERT ELEVATION REFER TO ROAD ALIGNMENT, PROFILE DRAWING AND SCHEDULE OF CULVERTS.
10. ACTUAL LOCATION, LENGTH, SKEW ANGLE AND INVERT ELEVATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION AT SITE.
11. PROVIDE MINIMUM 300 MM FILL OVER THE TOP OF PIPE CULVERT.

MORTAR :

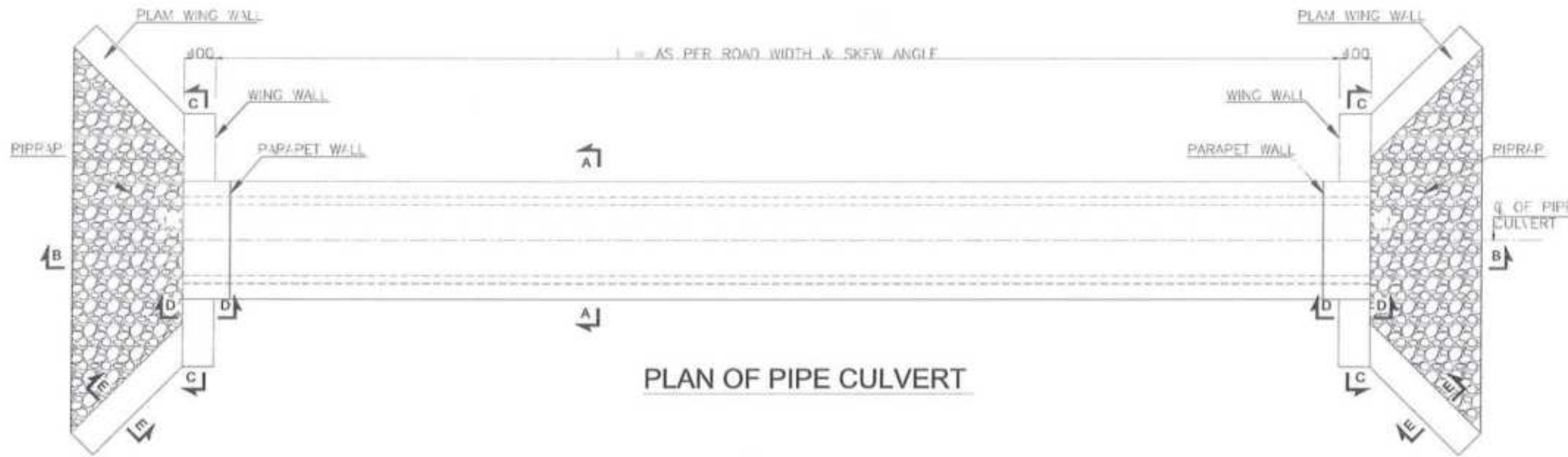
- 1 - PORTLAND CEMENT - ASHTO M85
- 2 - SAND - ASHTO M45

PORTLAND CEMENT CONCRETE :

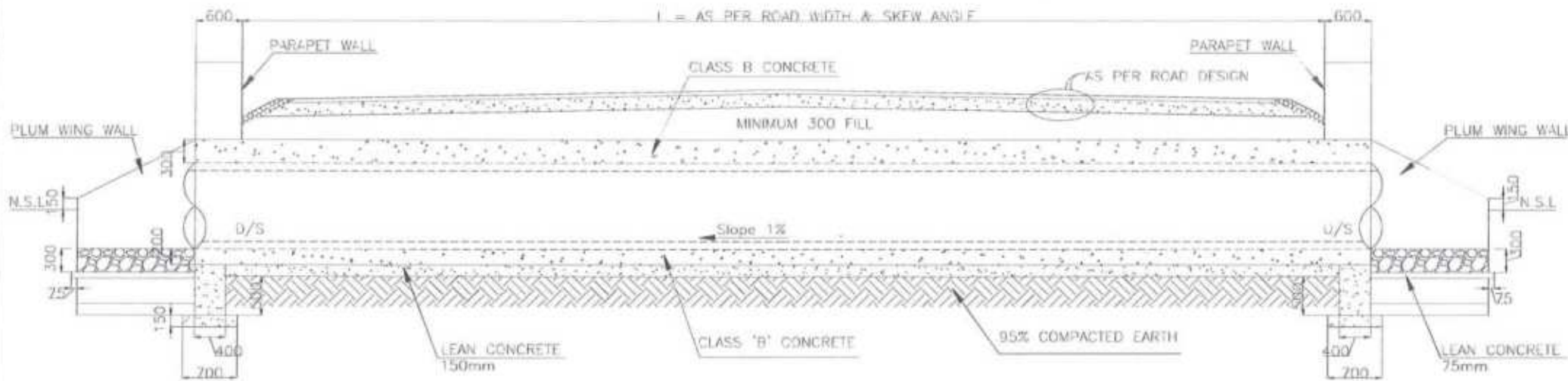
- 1 - LEAN CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 100$ kg per sq. cm.
- 2 - PLAIN CEMENT CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 210$ kg per sq. cm.
- 3 - REINFORCED CEMENT CONCRETE 28 DAYS COMPRESSIVE STRENGTH $f_c' = 210$ kg per sq. cm.

REINFORCEMENT :

- 1 - REINFORCING STEEL SHALL BE GRADE 40 STEEL CONFORMING TO A/SHTO U-31 (ASTM A-113) WITH MINIMUM YIELD STRENGTH OF 420 kg/cm² (60,200 Psi).



PLAN OF PIPE CULVERT



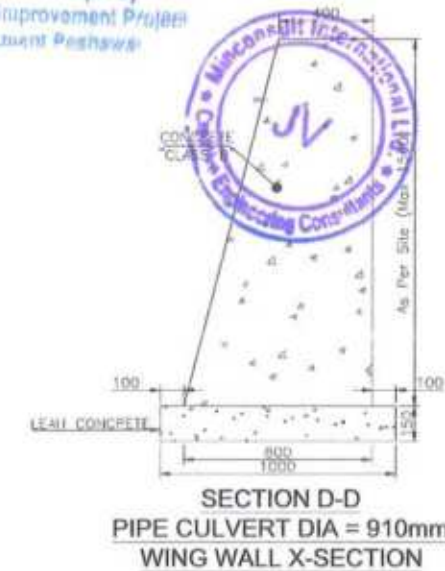
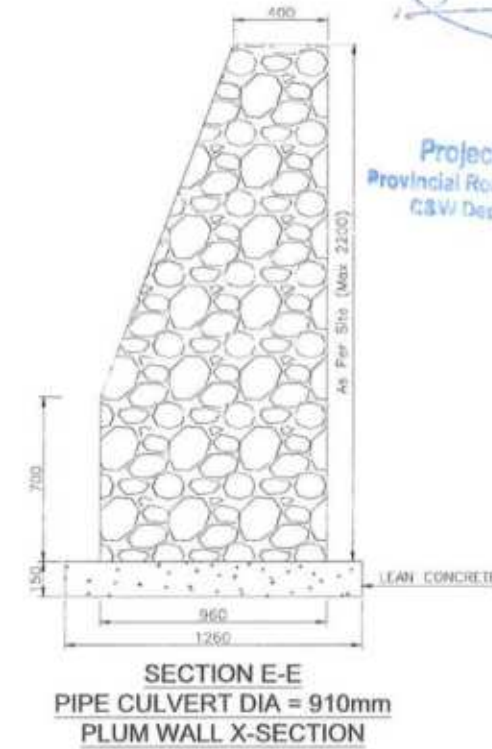
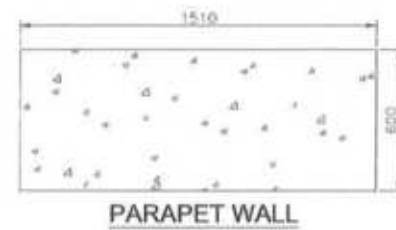
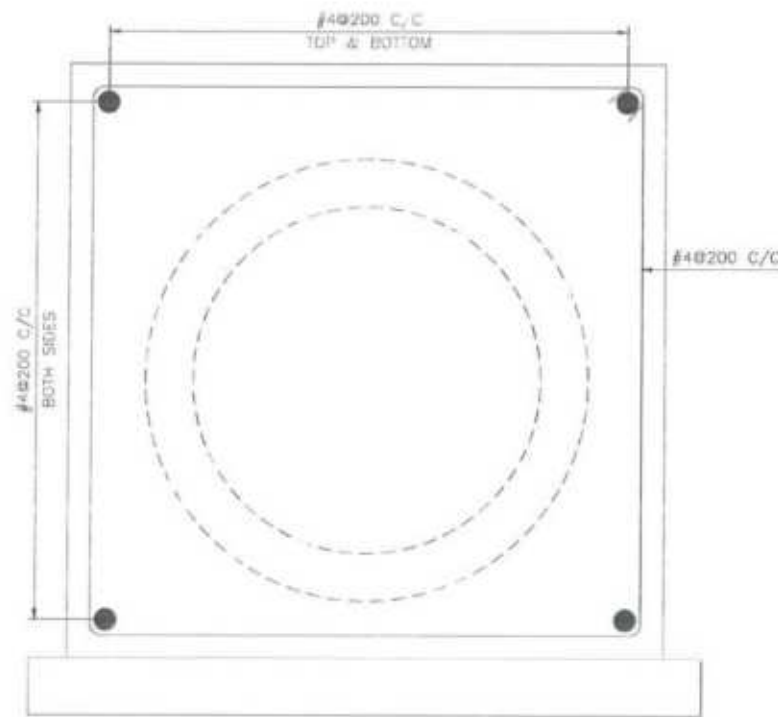
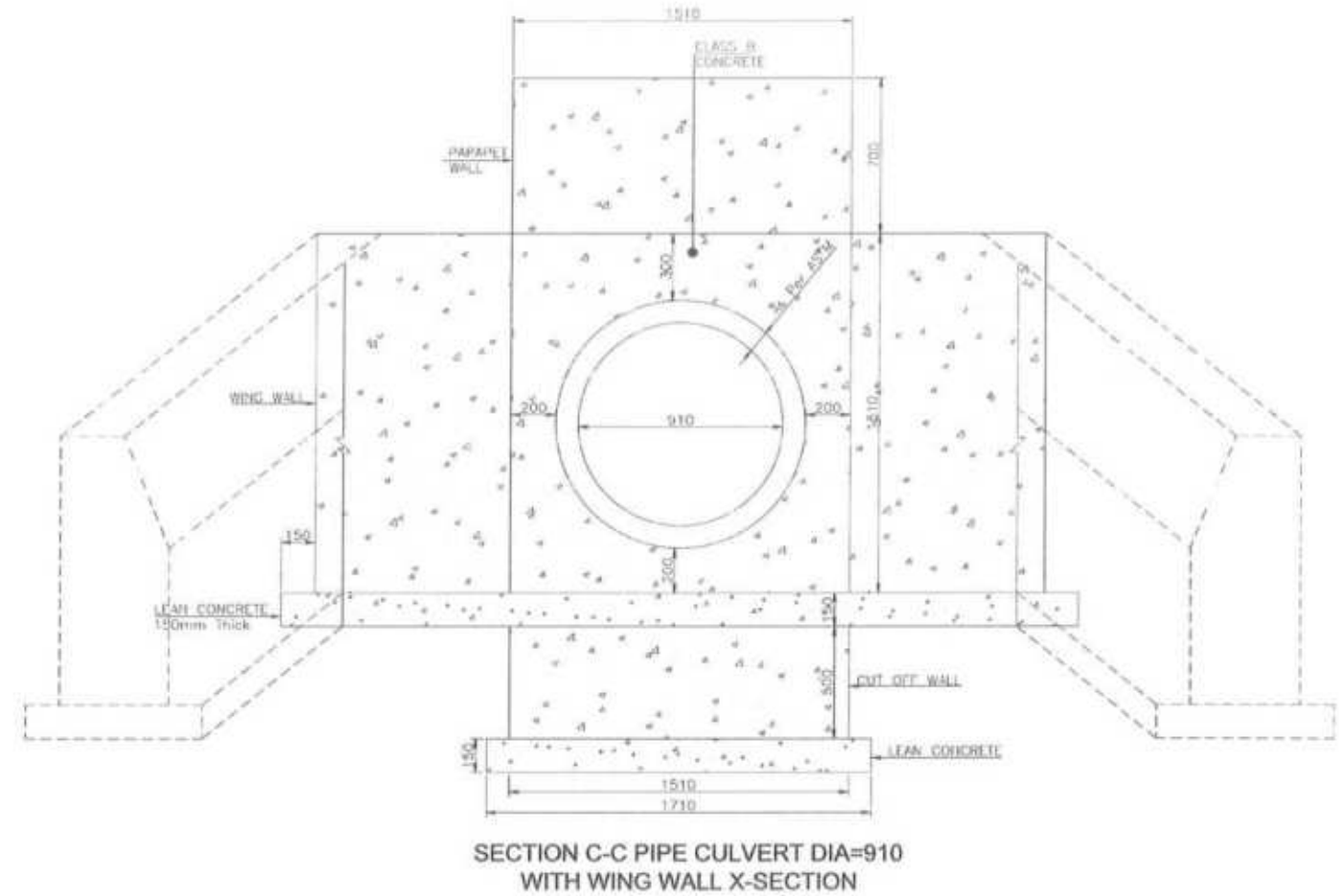
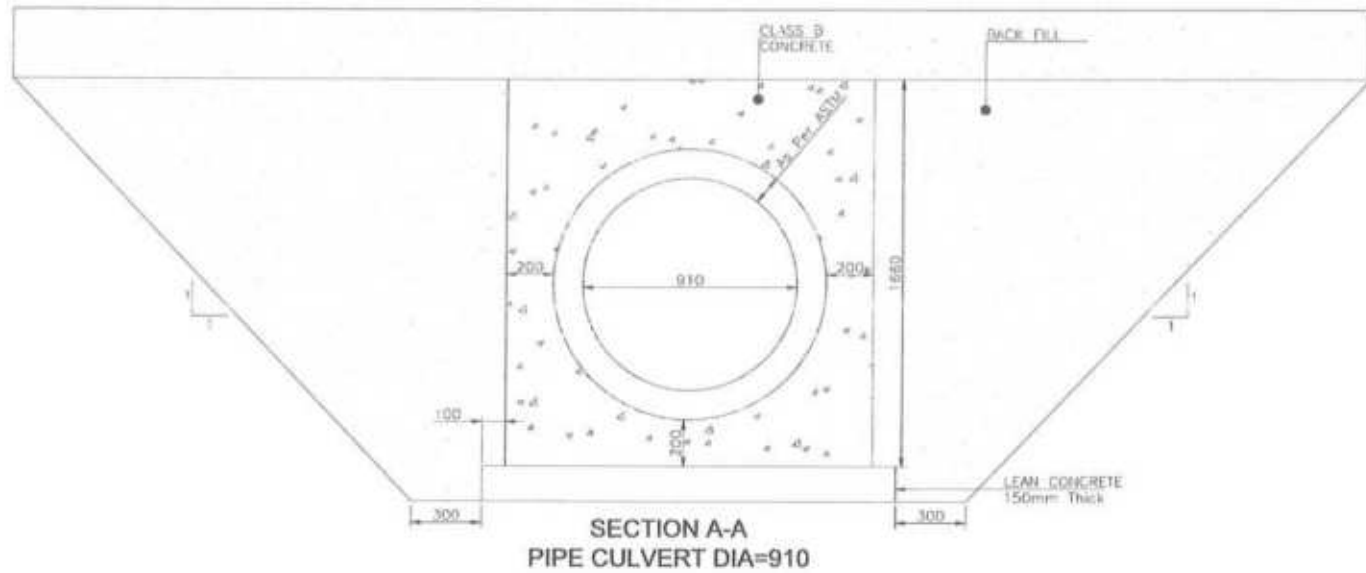
SECTION BB

[Handwritten signature]

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) MINCONSULT SDN BHD (COMPANY NO. 59835-P) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV DATE DESCRIPTION	NAMES: DESIGNED M.FAZAN DRAWN MUSHTAQ CHECKED M.ISLAM	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: N.T.S. DATE: SEP. 2024	SHEET CONTENT: PACKAGE-8 LOT-2 TYPICAL PIPE CULVERT PLAN & SECTIONS
		0 SEP, 2024 TENDER DRAWINGS * * *				

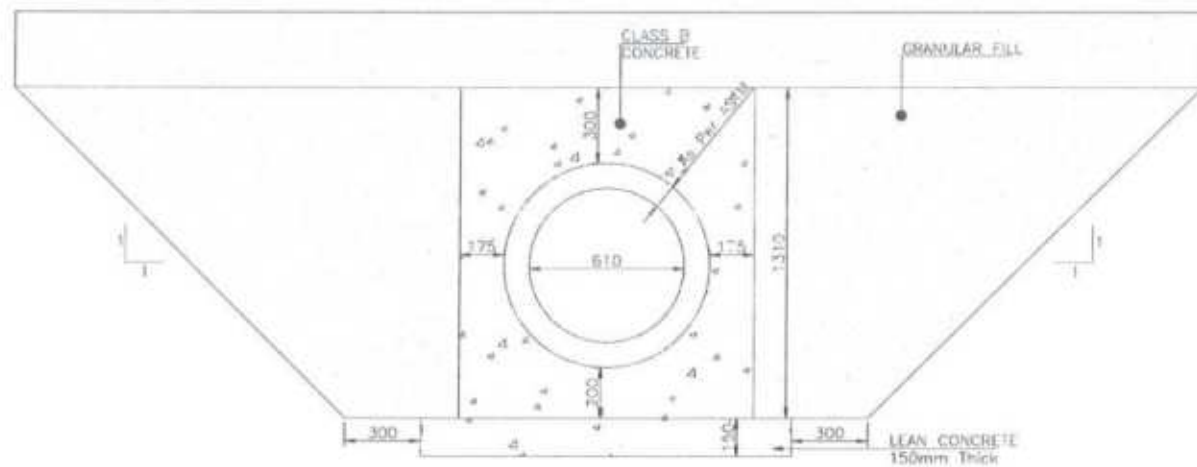


Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar

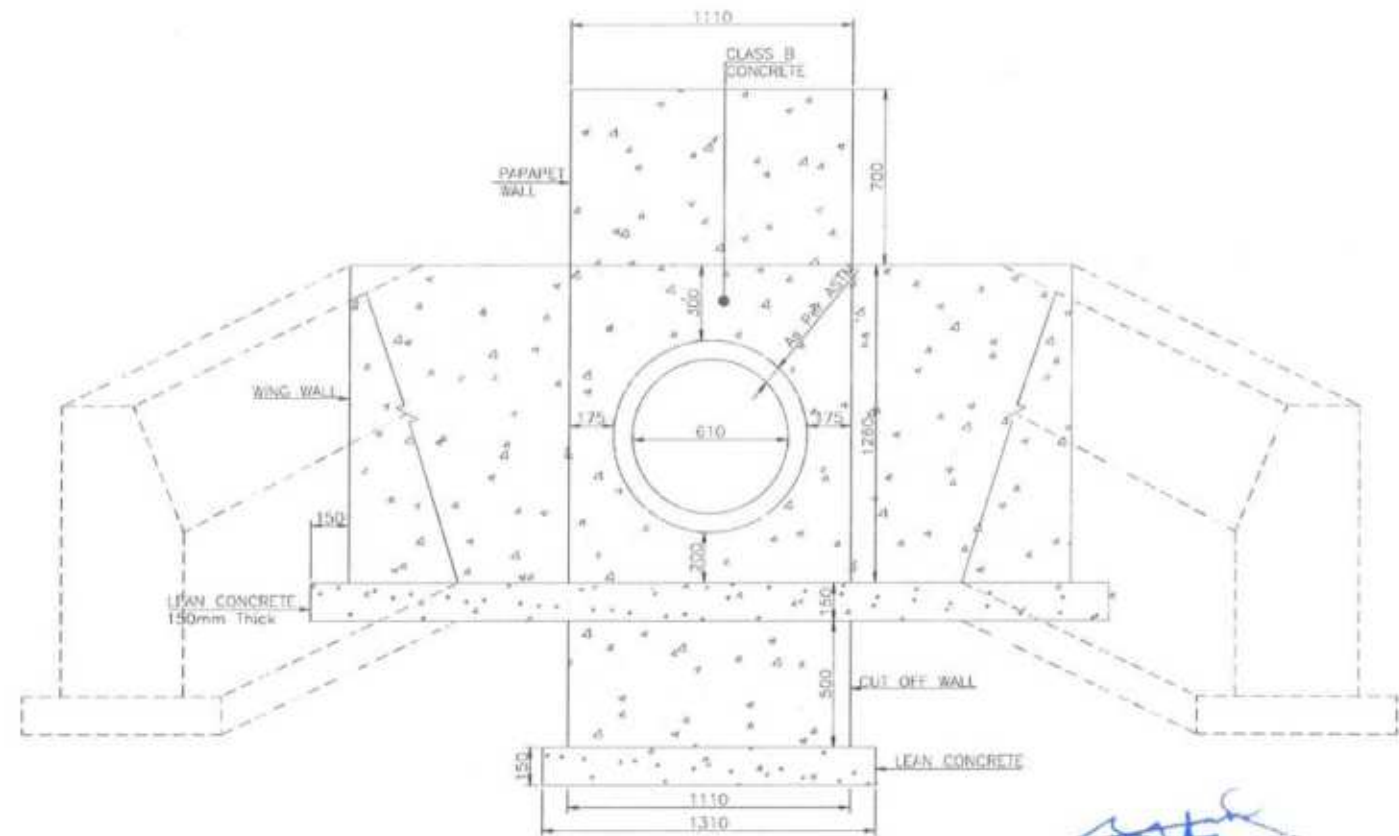


PIPE CULVERT ENCASEMENT REINFORCEMENT

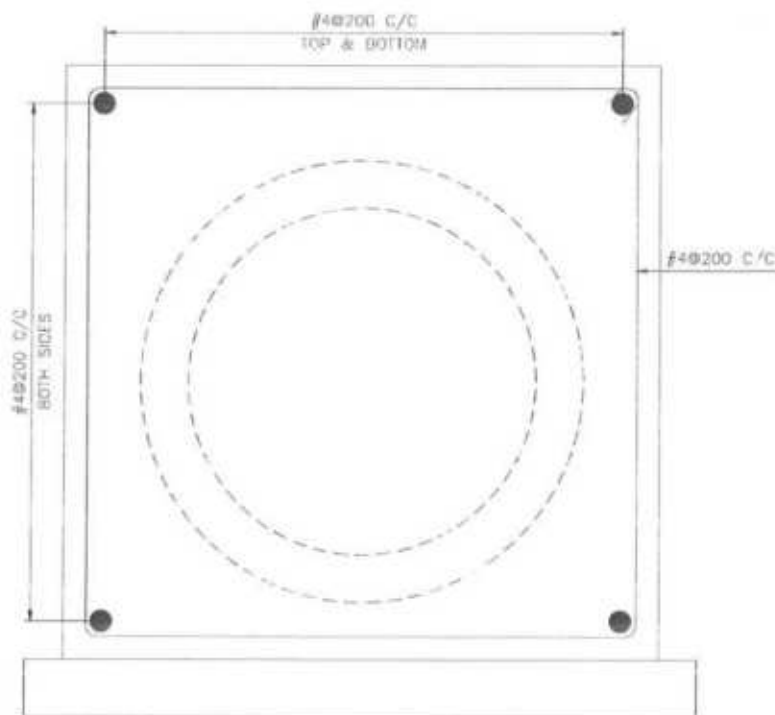
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>DESIGN CONSULTANT: (MIN - JV - CEC)</p> <p>MINCONSULT SDN BHD (COMPANY NO. 5835-P) J.V. <p>CREATIVE ENGINEERING CONSULTANTS (CEC)</p> </p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT: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



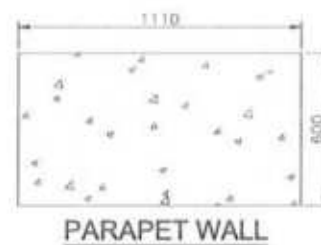
SECTION A-A
PIPE CULVERT DIA=610



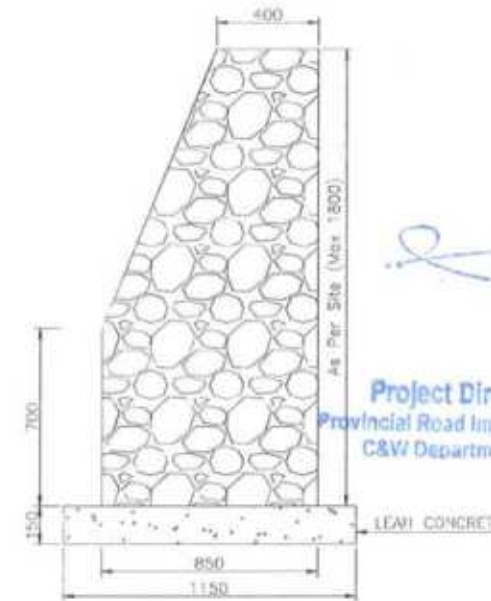
SECTION C-C PIPE CULVERT DIA=610
WITH WING WALL X-SECTION



PIPE CULVERT
ENCASEMENT REINFORCEMENT



PARAPET WALL



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

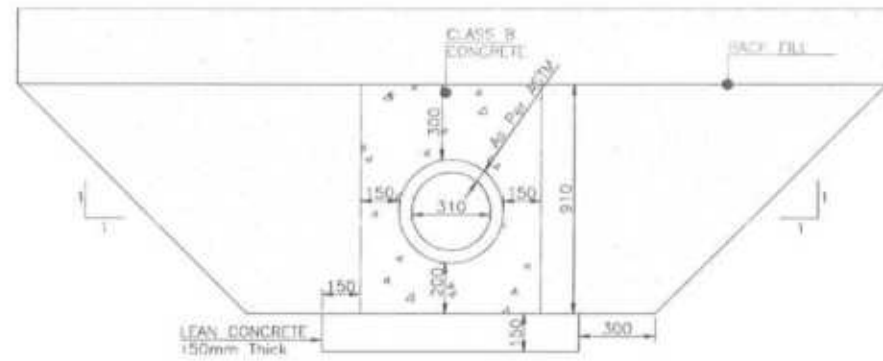


Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawa

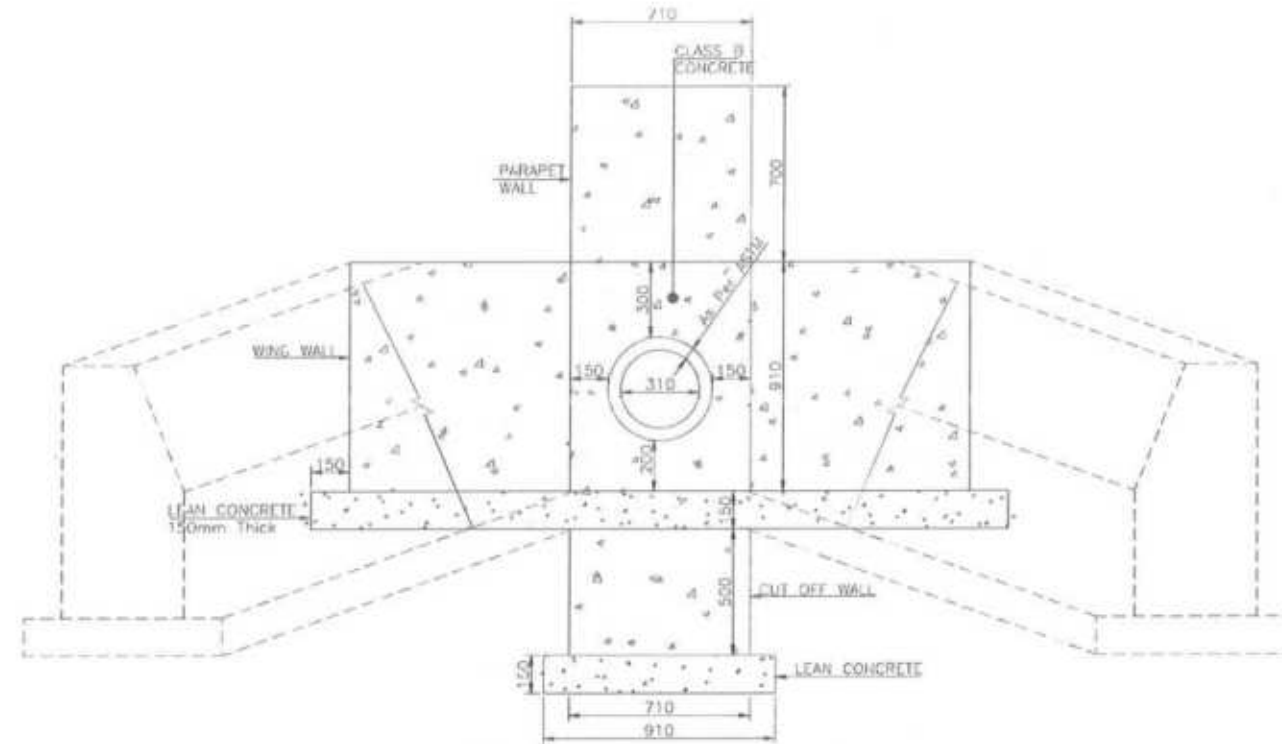


SECTION D-D
PIPE CULVERT DIA = 610mm
WING WALL X-SECTION

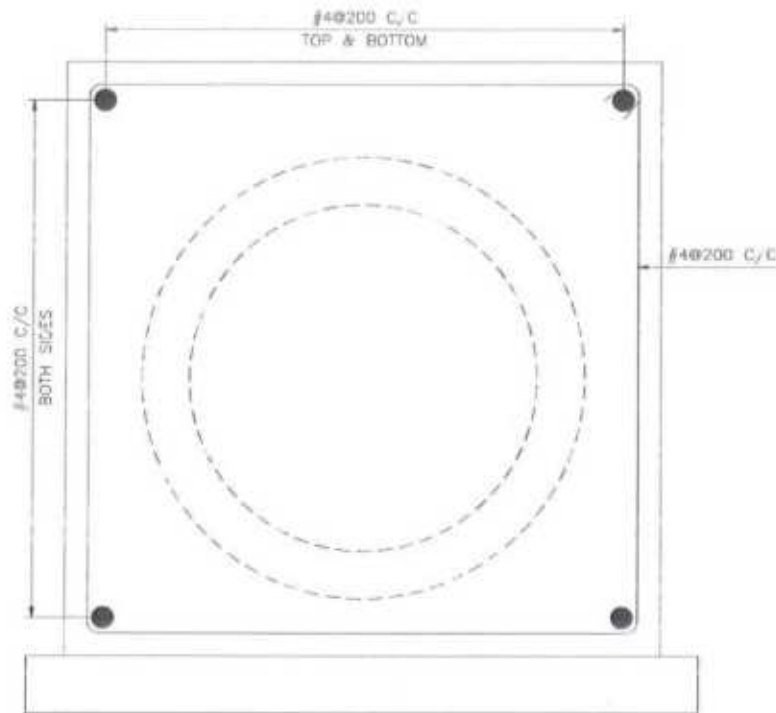
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<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (COMPANY NO. 58835-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	0	SEP, 2024	TENDER DRAWINGS	DESIGNED	M.FAZAN	PACKAGE-8 LOT-2	<p>N.T.S</p> <p>DATE: SEP, 2024</p> <p>DWG NO:CEC/KPRROP/STR/ STR-3c</p>
		1			DRAWN	MUSHTAQ		
		2			CHECKED	M.ISLAM		
		3			APPROVED	AGEEL YOUNIS		
		4						
<p>PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)</p>								<p>Ø610 mm TYPICAL PIPE CULVERT SECTION DETAILS</p>



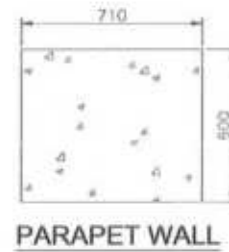
SECTION A-A
PIPE CULVERT DIA=310



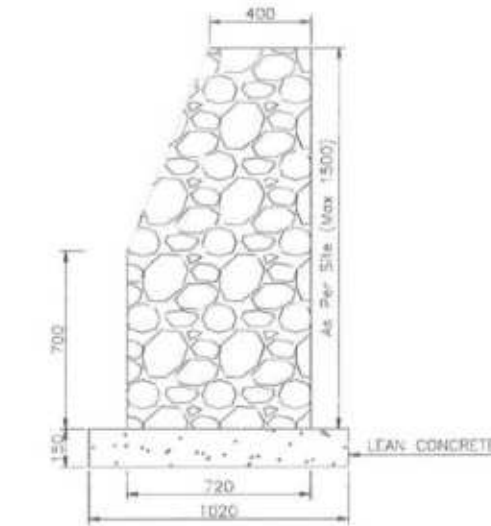
SECTION C-C PIPE CULVERT DIA=310
WITH WING WALL X-SECTION



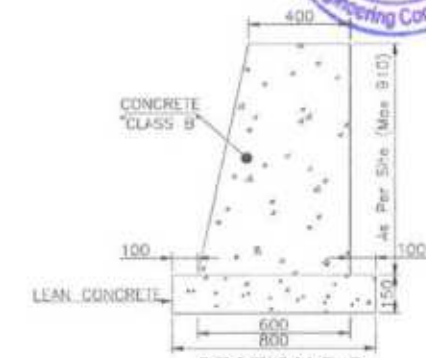
PIPE CULVERT
ENCASEMENT REINFORCEMENT



PARAPET WALL



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

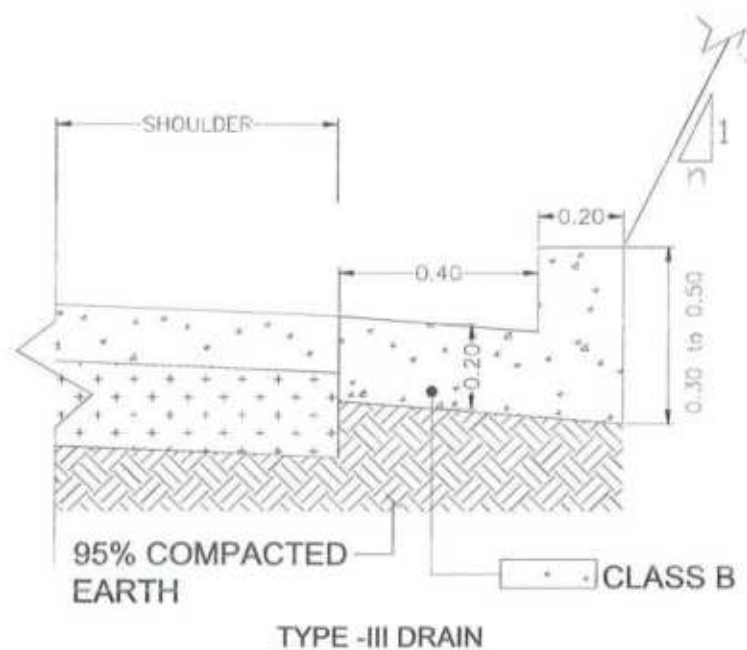
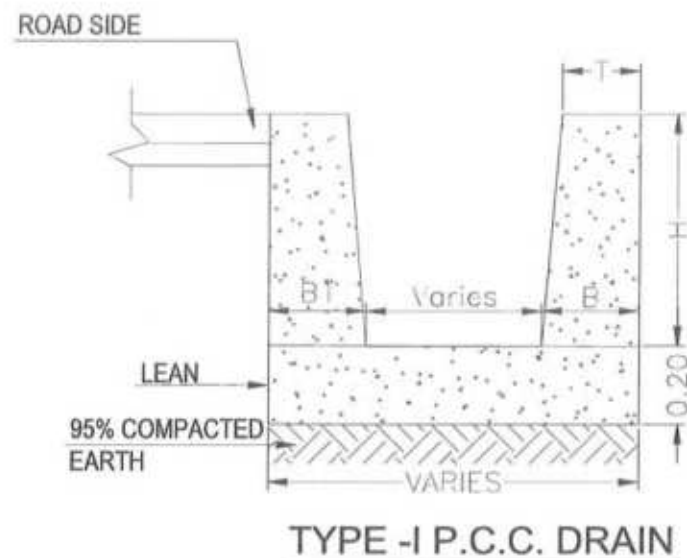
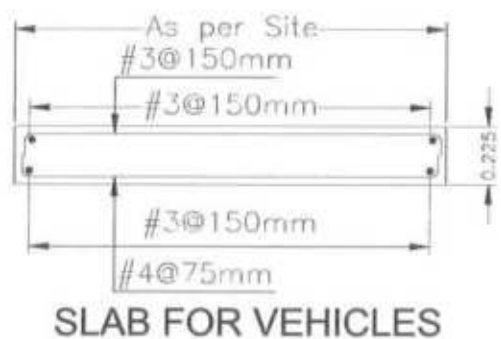


SECTION D-D
PIPE CULVERT DIA = 310mm
WING WALL X-SECTION



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

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-8 LOT-2	SHEET CONTENT: Ø310 mm TYPICAL PIPE CULVERT SECTION DETAILS SEP, 2024 DWG NO:CEC/KP/RRDP/STR/STR-3d
		1			DRAWN MUSHTAQ			
		2			CHECKED M.ISLAM			
		3			APPROVED AQEEL YOUNIS			
		4						



NOTES :

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

PORTLAND CEMENT CONCRETE :

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

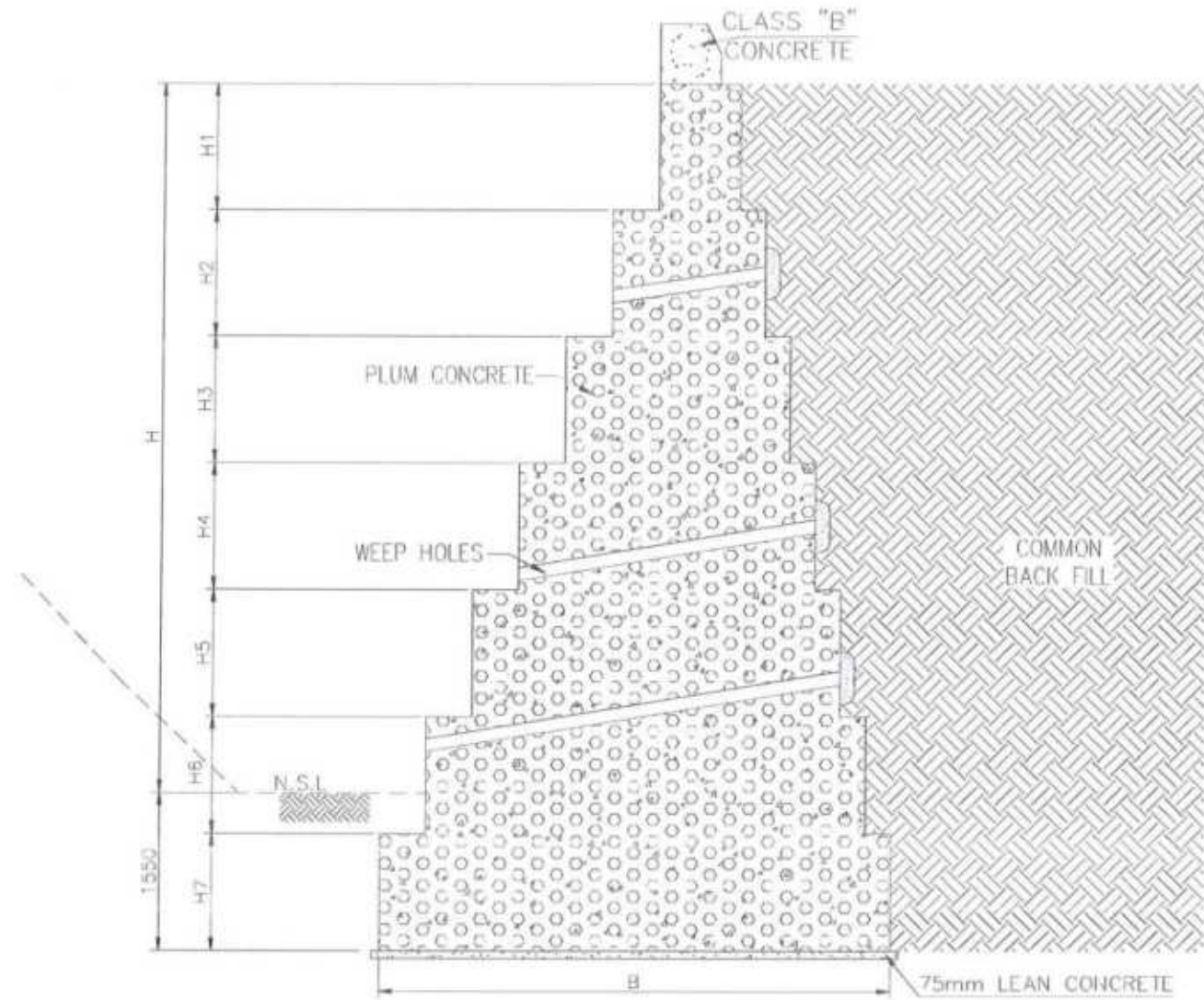
[Signature]
Project Director (PIU)
Provincial Road Improvement Project
C&W Department Peshawar

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

[Signature]
Minconsult International Ltd
Creative Engineering Consultants
JV

CLIENT: GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: MINCONSULT SDN BHD (COMPANY NO. 58535-F) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:
		a	SEP, 2024	TENDER DRAWINGS	DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM APPROVED: AQEEL YOUNIS			

W6 W5 W4 W3 W2 W1 W0 S1 S2 S3 S4 S5 S6

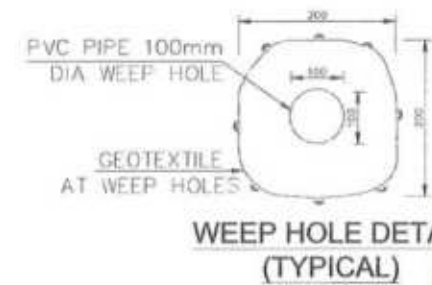
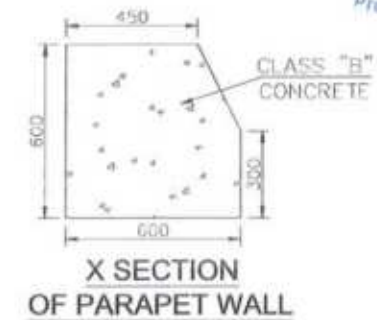


PLUM RETAINING WALL

NOTES

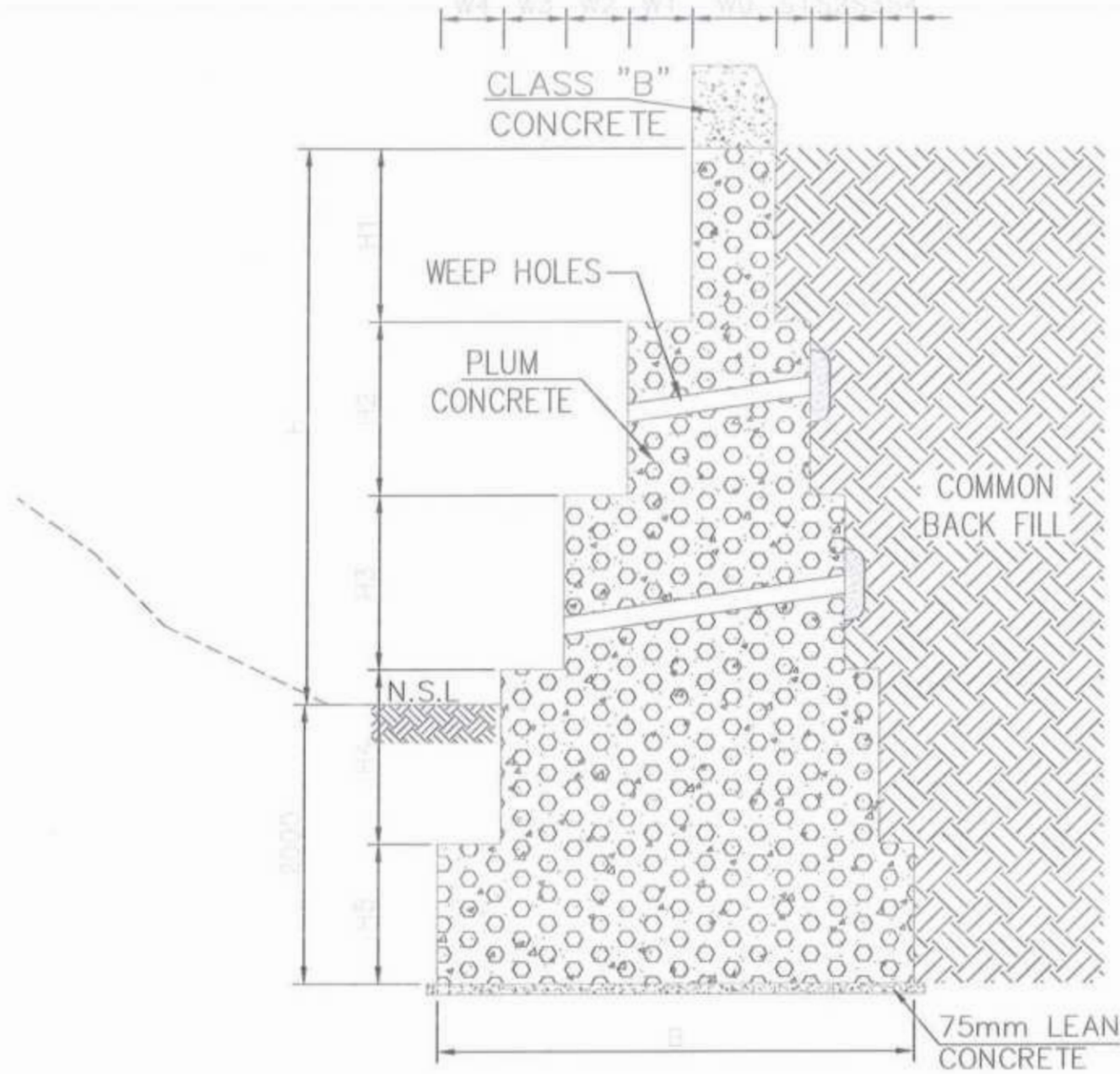
1. WEEP HOLES PVC PIPE 100mm DIA SHALL BE STAGGERED AT 400 INTERVAL OF 1500mm VERTICAL AND HORIZONTAL AND AS ADDITIONALLY DIRECTED BY THE ENGINEER.
2. THE SLOPE OF WEEP HOLES SHALL BE 1 IN 8 FROM BACK OF THE WALL TO THE OUTER FACE OR AS DIRECTED BY THE ENGINEER.
3. PLUM CONCRETE IN 3:2 (3 PARTS CONCRETE CLASS 'B' & 2 PART ROCK FILL MATERIAL) HAVING STONE SIZE RANGING BETWEEN 200-300) BE UTILIZED.
4. PCC PARAPET SHALL BE PROVIDED AT TOP OF RETAINING WALL AND AT OTHER HAZARDOUS LOCATIONS, GUARD RAIL SHALL BE PROVIDED OVER 4m HIGH FILL OR AS DIRECTED BY THE ENGINEER.
5. SAFE BEARING CAPACITY MENTIONED IN THE TABLE SHOULD BE ACHIEVED PRIOR TO CONSTRUCTION AT SITE IF LESS IT SHOULD BE COMMUNICATED TO THE ENGINEER
6. AFTER 10m LENGTH CONSTRUCTION JOINT SHOULD BE PROVIDE.
7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
8. MINIMUM 28 DAYS CYLINDER COMPRESSIVE STRENGTH OF CONCRETE IN FOOTING SHOULD BE 210 Kg/cm² (3000 Psi)
9. NSL SHOULD BE AT LEAST 2m ABOVE THE BOTTOM OF FOOTING ON THE OUTER SIDE OF PLUM RETAINING WALL.
10. ALL SUB-STRUCTURE FOOTING SHALL BE SUBJECTED TO APPROVAL BY THE ENGINEER, ALL ELEVATION SHOWN ARE ESTIMATED AND SUBJECTED TO CHANGE TO SUIT FILL CONDITION.
11. COMPACTION OF FILL MATERIAL (AS PER SPECIFICATION BY JETTING OR PONDING WITH WATER IS NOT PERMITTED. EACH LAYER OF FILL, MAXIMUM 200mm IN THICKNESS, SHALL BE MOISTENED AS REQUIRED. (OPTIMUM MOISTER CONTENT FROM STANDARD PROCTOR TEST) AND THOROUGHLY TEMPERED OR OTHERWISE COMPACTED TO MINIMUM OF 95% COMPACTION (STANDARD PROCTOR TEST).

[Signature]
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Provincial Road Improvement Project
C&W Department Peshawar



RETAINING WALL DIMENSIONS																1 Taf=107.2 kPa						
H	H1	H2	H3	H4	H5	H6	H7	W0	W1	S1	W2	S2	W3	S3	W4	S4	W5	S5	W6	S6	B	BEARING PRESSURE (Kpa)
5000	1250	1250	1250	1250	1550			800	450	250	450	250	450	250	450	250	450	250	450	250	3600	216.25
6000	1250	1250	1250	1250	1250	1300		800	450	250	450	250	450	250	450	250	450	250	450	250	4300	222
7000	1250	1250	1250	1250	1250	1150	1150	800	450	250	450	250	450	250	450	250	450	250	450	250	5000	236.84

<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:	SCALE:	SHEET CONTENT:			
		0	SEP. 2024	TENDER DRAWINGS	DESIGNED	M.FAIZAN				KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	PACKAGE-8	
		#			DRAWN	MUSHTAQ						LOT-2
		b			CHECKED	M.ISLAM						
c			APPROVED	AQEEL YOUNIS								
							DATE:	SEP. 2024	DWG NO:CEC/KPRRDP/STR/05a			



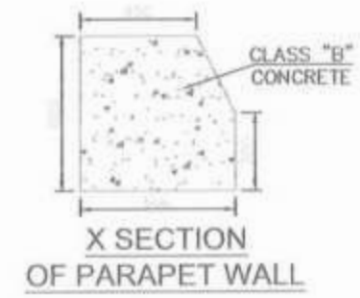
PLUM RETAINING WALL

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

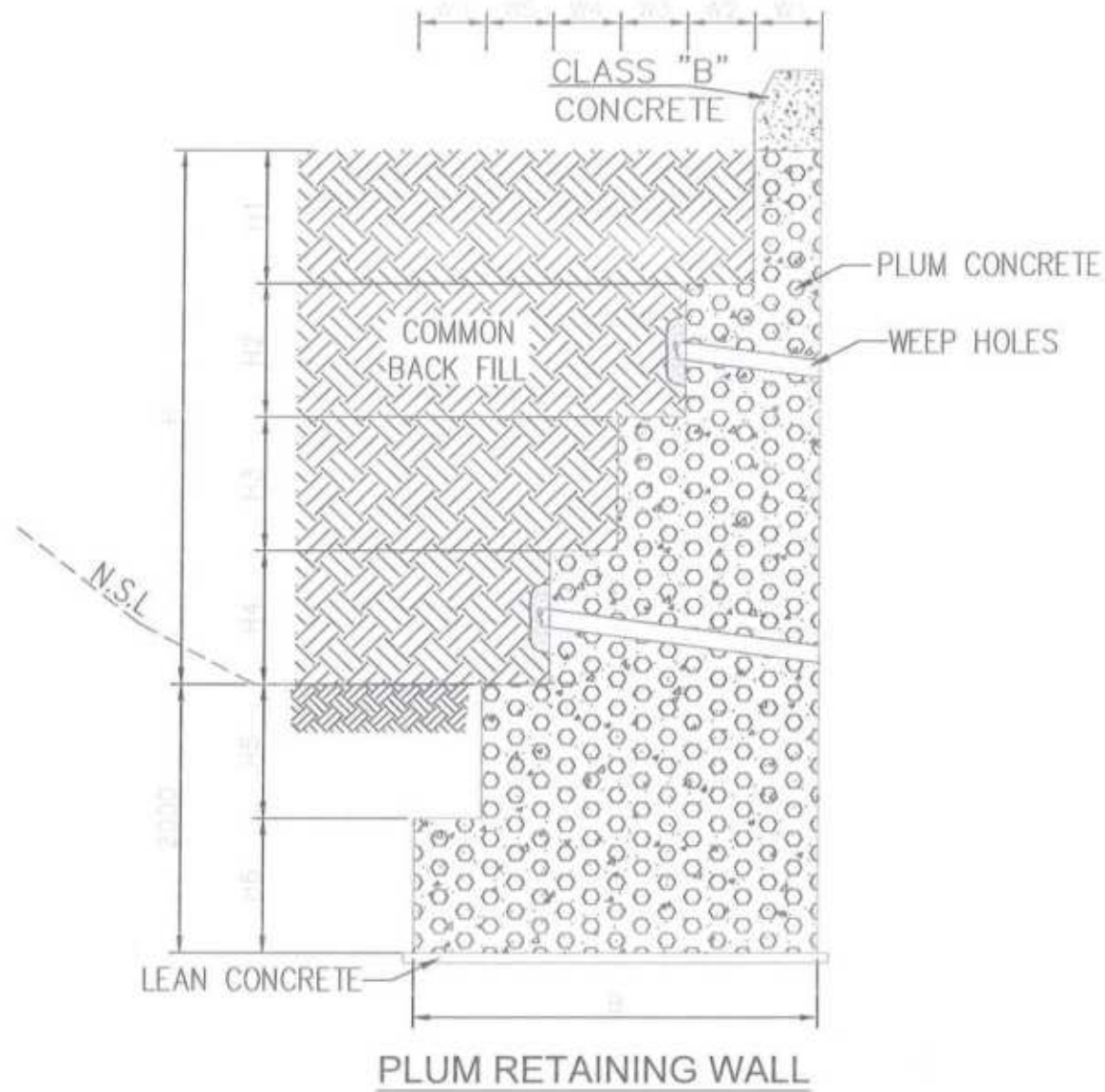
NOTES

1. WEEP HOLES PVC PIPE 100mm DIA SHALL BE STAGGERED AT AN INTERVAL OF 1500mm VERTICAL AND HORIZONTAL AND AS ADDITIONALLY DIRECTED BY THE ENGINEER.
2. THE SLOPE OF WEEP HOLES SHALL BE 1 IN 8 FROM BACK OF THE WALL TO THE OUTER FACE OR AS DIRECTED BY THE ENGINEER.
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8. MINIMUM 28 DAYS CYLINDER COMPRESSIVE STRENGTH OF CONCRETE IN FOOTING SHOULD BE 210 Kg/cm² (3000 Psi)
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11. COMPACTION OF FILL MATERIAL (AS PER SPECIFICATION BY JETTING OR PONDING WITH WATER IS NOT PERMITTED. EACH LAYER OF FILL, MAXIMUM 200mm IN THICKNESS, SHALL BE MOISTENED AS REQUIRED. (OPTIMUM MOISTER CONTENT FROM STANDARD PROCTOR TEST) AND THOROUGHLY TEMPERED OR OTHERWISE COMPACTED TO MINIMUM OF 95% COMPACTION (STANDARD PROCTOR TEST).

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



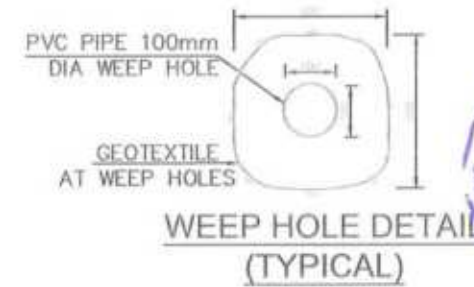
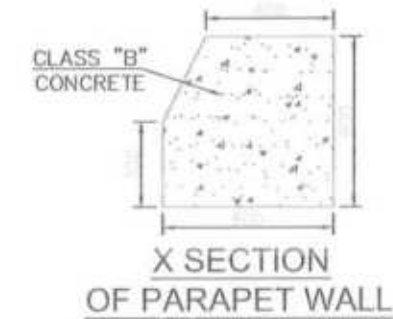
<p>GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)</p>	<p>MINCONSULT SDN BHD (INCORPORATED IN MALAYSIA) J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)</p>	REV	DATE	DESCRIPTION	NAMES:	PROJECT:	SCALE:	SHEET CONTENT:	
		a	SEP. 2024	TENDER DRAWINGS	DESIGNED	M.FAIZAN	KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP) PACKAGE-8 LOT-2	N.T.S	DETAIL OF PLUM CONCRETE RETAINING WALL
		b			DRAWN	MUSHTAQ		DATE:	
		c			CHECKED	M.ISLAM		SEP. 2024	
					APPROVED	AQEEL YOUNIS			



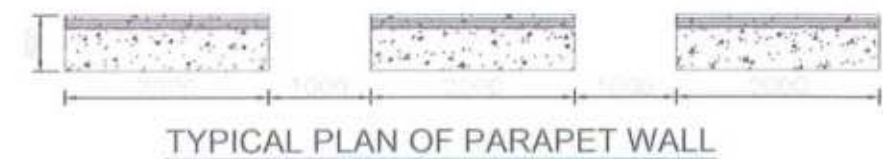
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[Signature]
Project Director (PIU)
 Provincial Road Improvement Program
 C&W Department Peshawar



[Signature]
 Minconsult International LP
 Creative Engineering Consultants



RETAINING WALL DIMENSIONS													1 Tsf=107.2 kPa	
H	H1	H2	H3	H4	H5	H6	W1	W2	W3	W4	W5	W6	B	BEARING PRESSURE (Kpa)
2000	1000	1500	1500				750	750	750				2250	188.3
3000	1000	1500	1500				750	750	750	750			3000	223
4000	1500	1500	1500	1500			750	1000	1000	1000			3750	257
5000	1000	1500	1500	1500	1500		750	1200	1200	1200	1200		5550	260
6000	1000	1000	1500	1500	1500	1500	750	1070	1070	1070	1070	1070	6100	299

 GOVERNMENT OF KHYBER PAKHTUNKHWA COMMUNICATION & WORKS DEPARTMENT PROJECT IMPLEMENTATION UNIT (PIU)	DESIGN CONSULTANT: (MIN - JV - CEC) MINCONSULT SDN BHD J.V. CREATIVE ENGINEERING CONSULTANTS (CEC)	REV: 0 DATE: SEP, 2024 DESCRIPTION: TENDER DRAWINGS	NAMES: DESIGNED: M.FAIZAN DRAWN: MUSHTAQ CHECKED: M.ISLAM APPROVED: AQEEL YOUNIS	PROJECT: KHYBER PAKHTUNKHWA RURAL ROADS DEVELOPMENT PROJECT (KP-RRDP)	SCALE: N.T.S DATE: SEP, 2024	SHEET CONTENT: PACKAGE-8 LOT-2 DETAIL OF PLUM CONCRETE RETAINING WALL DWG NO:CEC/KPRRDP/STR/5RT-05c