



HIGHWAY DRAWINGS

Sohbatpur Road Dera Alla Yar to Hairdeen (38 km)

LOT-I 16+550 TO 38+00

PREPARATION OF ASSESSMENT STUDY, PREPARATION OF
DETAILED DESIGNS, PROCUREMENT ASSISTANCE, AND
SUPERVISION OF WORKS (C&W) (PK-PIU-IFRAP-CIR-441964-
CS-QCBS)

JUNE , 2026



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DERA ALLAHYAR TO HAIRDIN (38 KM)

GENERAL DRAWINGS

GENERAL DRAWINGS

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NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV.	REVISION/ISSUE	DATE

CLIENT:



Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:



Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

 ZEERUK INTERNATIONAL (PVT.) LTD
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DRAWING TITLE:

LIST OF DRAWINGS

DESIGN BY: SUNILA	SHEET NO: 01 OF 01
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:

ZI-FRAP-GEN-00

GENERAL NOTES

1. ALL DIMENSIONS SHOWN ON PLAN AND PROFILE DRAWINGS ARE IN METERS WHERE AS ANGULAR MEASUREMENTS ARE IN DEGREES, MINUTES AND SECONDS (360° TO A CIRCLE).
2. EACH DRAWING SHALL BE READ IN CONJUNCTION WITH OTHER DRAWINGS.
3. LOCAL CHANGES IN HORIZONTAL/VERTICAL ALIGNMENT MAY BE DONE WITH PRIOR APPROVAL OF THE ENGINEER AS PER SITE REQUIREMENTS.
4. STRUCTURES SHOWN ON PLAN/PROFILE ARE SYMBOLIC. FOR DETAIL OF STRUCTURES AND PROTECTION WORKS SEE RELEVANT DRAWINGS.
5. LOCATION OF UNDERGROUND CABLES/UTILITIES SHOWN ON PLANS ARE APPROXIMATE. EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR AT HIS OWN COST.
6. ANY DAMAGE DONE TO THE UTILITIES DURING EXCAVATION/EXECUTION OF WORK SHALL BE IMMEDIATELY REPAIRED TO THE SATISFACTION OF CONCERNED AGENCY BY THE CONTRACTOR AT HIS OWN COST.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO CATER FOR ALL TEMPORARY TRAFFIC DIVERSIONS BEFORE START OF CONSTRUCTION OF THE ROAD TO THE SATISFACTION OF ENGINEER INCLUDING DETOUR ROAD AND ITS MAINTENANCE SPRINKLING OF WATER. GRADING AND COMPACTION WHEN AND WHERE REQUIRED AT HIS OWN COST.
8. RETAINING/BREAST/PARAPET WALL, GUARD RAIL, CONCRETE CURB STONE, FOOTPATH, REFLECTIVE MIRRORS, PAVEMENT STUDS AND OTHER ANCILLARY ITEMS SHALL BE PROVIDED AS PER SITE REQUIREMENT OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL PREPARE THE SHOP DRAWING FOR EACH ACTIVITY/EACH LOCATION AND SHALL SUBMIT FOR APPROVAL TO THE ENGINEER PRIOR TO CONSTRUCTION.
9. BITUMEN COATING (2 COATS) SHALL BE APPLIED ON CONCRETE SURFACES IN CONTACT WITH BACKFILL MATERIAL/EARTHEN FACE AT CONTRACTOR OWN COST.
10. FOUNDATION BASE OF RETAINING STRUCTURES AND DRAINAGE STRUCTURES SHALL BE PLACED ON FIRM/HARD/ROCKY STRATA.
11. THE ENGINEER MAY VARY THE CUT SLOPES, FOUNDATION AND OTHER FEATURES OF DESIGN AS HE DEEMS NECESSARY TO CONFORM TO THE SUBSURFACE CONDITIONS ACTUALLY ENCOUNTERED DURING THE COURSE OF THE WORK. ANY SUCH CHANGE SHALL NOT ENTITLE THE CONTRACTOR TO ANY CLAIMS FOR EXTRA COMPENSATION.
12. THE ENGINEER SHALL DETERMINE IN THE FIELD DESIRABILITY OR OTHERWISE, OF RIPRAP PROTECTION ALONG ROUTE. HE MAY ADD, DELETE OR CHANGE THE TYPE OF PROTECTION OR THE LENGTHS AS SHOWN ON THE PLANS WHERE HE MAY DEEM NECESSARY. ANY SUCH CHANGE SHALL NOT ENTITLE THE CONTRACTOR TO ANY CLAIMS FOR EXTRA COMPENSATION.
13. FOR PURPOSES OF THIS CONTRACT, THE ADDITIONAL PLANS AND DRAWING SHALL BE ISSUED TO THE CONTRACTOR DURING THE COURSE OF HIS WORKS AS DEEMED NECESSARY BY THE ENGINEER.
14. ALL DIMENSION AND DISTANCE SHOWN ON DRAWINGS PERTAINING TO TYPICAL DETAILS AND ROAD PLANS AND PROFILE ARE IN METERS UNLESS OTHERWISE MENTIONED.
15. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES, WATER COURSE ETC. AS SHOWN ON THE PLANS OR AS OTHERWISE ENCOUNTERED DURING CONSTRUCTION.
16. THE ENGINEER MAY VARY THE CUT SLOPE, FOUNDATION AND OTHER FEATURE OF DESIGN AS DEEMED NECESSARY TO CONFIRM TO THE VARYING SITE CONDITION DURING THE EXECUTION OF WORK AS MAY BE DISCOVERED FROM THE STAKE OUT SURVEY. ALL SUCH CHANGES SHALL BE GOVERNED BY THE RELEVANT CONTRACT CONDITIONS.
17. THE UTILITIES LINES SHOULD BE RELOCATED ACCORDING TO THE INSTRUCTION OF ENGINEER AND TO THE SATISFACTION OF CONCERNED AUTHORITIES.
18. THE GROUND HEIGHT, STRUCTURE LOCATIONS, ELEVATION, SKEW ANGLE AND GRADES SHALL BE CHECKED DURING STAKE OUT SURVEY BEFORE EXECUTION OF THE WORKS SUFFICIENTLY IN ADVANCE, ADJUSTMENT IN THE RELEVANT DRAWING IF ANY SHALL BE APPROVED BY THE ENGINEER BEFORE EXECUTION.
19. CULVERTS SHOWN IN THE PROFILE ARE INDICATIVE. INVERT LEVELS TO BE FINALIZED AT SITE THROUGH SHOP DRAWINGS WITH APPROVAL OF THE ENGINEER.

NOTES

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LEGEND

ABBREVIATION

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CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
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Contract Administration and
Construction Supervision
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DRAWING TITLE :

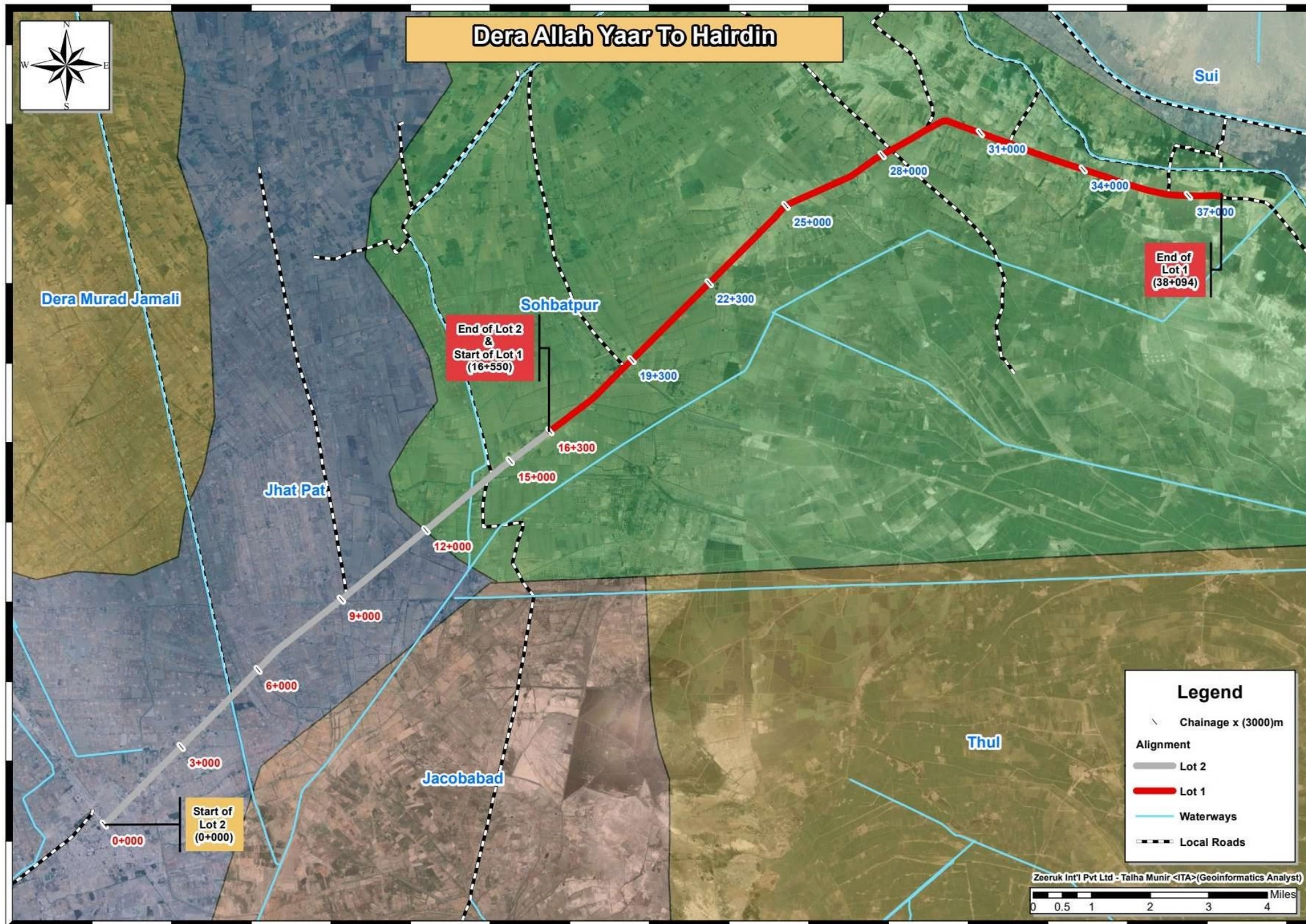
GENERAL NOTES

DESIGN BY: SUNILA	SHEET NO: 01 OF 05
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV. 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:

ZI-IFRAP-GEN/01

Dera Allah Yaar To Hairdin



LEGENDS IN PLAN

REPRESENTATIVE LEGEND

	B.M. T.P.
	BUILT UP AREA
	BUSHES
	DEPRESSION / DITCH / POND
	DESIGNED CENTER LINE
	DYKE
	EXISTING BRIDGE
	EXISTING KATCHA TRACK
	EXISTING METAL ROAD
	EXISTING BOX CULVERT
	FENCE
	TREE
	GARDEN / TREES / ORCHARD
	GRAVES / GRAVE YARD
	H.T. / L.T. POWER TRANSMISSION LINE
	GRID LINE
	HORIZONTAL CURVE DATA
	HUT / MUD HOUSE
	BORE HOLE
	LAND ACQUISITION
	MOSQUE
	MUD WALL
	NORTH ARROW

REPRESENTATIVE LEGEND

	NATURAL SURFACE LEVEL
	BOX CULVERT
	PIPE CULVERT
	POINT OF INTERSECTION
	PROPOSED RIGHT OF WAY LINE
	RELOCATED PROPOSED WATER COURSE
	RIVER / NULLAH
	ROAD SIGN
	RAILWAY CROSSING GATE
	ANNOTATED CONTOURS
	STONE PITCHING (GROUTED)
	STONE PITCHING (DRY)
	TRANSMISSION LINE 500KV
	TRAVERSE STATION
	TUBE WELL / WELL
	PIPELINE
	BOX CULVERT
	BRIDGE
	FINISHED GRADE LINE
	EXISTING ROAD LEVEL (PROFILE)
	PIPE CULVERT
	VERTICAL CURVE DATA

LEGENDS IN PROFILE

DESCRIPTION

NATURAL SURFACE LEVEL	A	AREA
BOX CULVERT	ALIG.	ALIGNMENT
PIPE CULVERT	B	BREADTH
POINT OF INTERSECTION	BC	REINFORCED CONCRETE BOX CULVERT
PROPOSED RIGHT OF WAY LINE	BH	BORE HOLE
RELOCATED PROPOSED WATER COURSE	B.M	BENCH MARK
RIVER / NULLAH	BOP	BEGINNING OF PROJECT
ROAD SIGN	C	CHORD LENGTH
RAILWAY CROSSING GATE	C.B.R	CALIFORNIA BEARING RATIO
ANNOTATED CONTOURS	C.C	CENTER TO CENTER
STONE PITCHING (GROUTED)	CHD.	CHECKED
STONE PITCHING (DRY)	C/L	CENTER LINE
TRANSMISSION LINE 500KV	CM/cm	CENTIMETER
TRAVERSE STATION	CNGP	CNG PUMP
TUBE WELL / WELL	CONC.	CONCRETE
PIPELINE	CONST/IT	CONSTRUCTION JOINT
BOX CULVERT	CS	CURVE TO SPIRAL
BRIDGE	CUL	CULVERT
FINISHED GRADE LINE	Cu.m	CUBIC METER
EXISTING ROAD LEVEL (PROFILE)	CURVE LEN	VERTICAL CURVE LENGTH
PIPE CULVERT	D	DEPTH
VERTICAL CURVE DATA	Da	DEGREE OF CURVE (BY ARC)
	Ds	DEGREE OF CURVE (BY CHORD)
	DEG	DEGREE
	DIA.	DIAMETER
	D/S	DOWNSTREAM
	D.S.T	DOUBLE SURFACE TREATMENT
	DRG.	DRAWING
	E	EASTING, EAST, EXTERNAL DISTANCE (SHIFT)
	ELEV./EL	ELEVATION
	EOP	END OF PROJECT
	EP	ELECTRIC POLE
	EXP/IT	EXPANSION JOINT
	FP	FILLING POINT
	F.R.L	FINISHED ROAD LEVEL
	G.I	GALVANIZED IRON
	H.HOR.	HORIZONTAL
	H.T/L.T	HIGH TENSION/LOW TENSION
	HF	HEIGHT OF FILL
	HFL	HIGH FLOOD LEVEL
	HWY.	HIGHWAY
	I	DEFLECTION ANGLE (HORIZONTAL CURVE)
	IC	CIRCULAR DEFLECTION ANGLE
	IL	INVERT LEVEL
	IS	SPIRAL DEFLECTION ANGLE
	K	K-FACTOR (RATE OF VERTICAL CURVATURE)
	Kg	KILOGRAM
	KM/Km	KILOMETER
	L	LENGTH OF HORIZONTAL CURVE/SPIRAL
	LN.M	LINEAR METER
	LHS	LEFT HAND SIDE
	LT.	LEFT
	LT	LONG TANGENT
	M	METER
	M	MIDDLE ORDINATE
	MAX.	MAXIMUM
	M.H	MAN HOLE
	MIN.	MINIMUM
	mm	MILLIMETER

ABBREVIATIONS & DESCRIPTION

A	AREA	NSL/E.R.L	NATURAL SURFACE LEVEL / EXISTING ROAD LEVEL
ALIG.	ALIGNMENT	N	NORTHING, NORTH
B	BREADTH	NO.	NUMBER
BC	REINFORCED CONCRETE BOX CULVERT	N.T.S	NOT TO SCALE
BH	BORE HOLE	PC	POINT OF HORIZONTAL CURVATURE (START OF HORIZONTAL CURVE)
B.M	BENCH MARK	PC	PIPE CULVERT
BOP	BEGINNING OF PROJECT	PI	POINT OF HORIZONTAL INTERSECTION
C	CHORD LENGTH	PR	POINT OF ROTATION
C.B.R	CALIFORNIA BEARING RATIO	PT	POINT OF HORIZONTAL TANGENCY (END OF HORIZONTAL CURVE)
C.C	CENTER TO CENTER	R	RADIUS OF HORIZONTAL CURVE
CHD.	CHECKED	R.C.C	REINFORCED CEMENT CONCRETE
C/L	CENTER LINE	REINF.	REINFORCEMENT
CM/cm	CENTIMETER	REV.	REVISION
CNGP	CNG PUMP	RHS.	RIGHT HAND SIDE
CONC.	CONCRETE	R.O.W.	RIGHT OF WAY
CONST/IT	CONSTRUCTION JOINT	R.R	RIP RAP
CS	CURVE TO SPIRAL	RT.	RIGHT
CUL	CULVERT	R/W	RETAINING WALL
Cu.m	CUBIC METER	RWC	RELOCATED WATER COURSE
CURVE LEN	VERTICAL CURVE LENGTH	S	SLOPE GRADIENT (PERCENT)
D	DEPTH	SE	SUPERELEVATION
Da	DEGREE OF CURVE (BY ARC)	S.B.P	SHOULDER BREAK POINT
Ds	DEGREE OF CURVE (BY CHORD)	SC	SLAB CULVERT
DEG	DEGREE	SC	SPIRAL TO CURVE
DIA.	DIAMETER	SHLD	SHOULDER
D/S	DOWNSTREAM	Sq.m	SQUARE METER
D.S.T	DOUBLE SURFACE TREATMENT	ST	SHORT TANGENT
DRG.	DRAWING	ST	SPIRAL TO TANGENT
E	EASTING, EAST, EXTERNAL DISTANCE (SHIFT)	STA.CH	STATION (CHAINAGE)
ELEV./EL	ELEVATION	STRUCT	STRUCTURE
EOP	END OF PROJECT	SWALK	SIDE WALK
EP	ELECTRIC POLE	T	TANGENT LENGTH OF HORIZONTAL CURVE
EXP/IT	EXPANSION JOINT	T.D	TOE DITCH
FP	FILLING POINT	TS	TANGENT TO SPIRAL
F.R.L	FINISHED ROAD LEVEL	T.S.T	TRIPPLE SURFACE TREATMENT
G.I	GALVANIZED IRON	TAN.	TANGENT
H.HOR.	HORIZONTAL	TH	THICKNESS
H.T/L.T	HIGH TENSION/LOW TENSION	TP	TRAVERSE POINT
HF	HEIGHT OF FILL	TR	TRANSITION
HFL	HIGH FLOOD LEVEL	TYP.	TYPICAL
HWY.	HIGHWAY	US	UPSTREAM
I	DEFLECTION ANGLE (HORIZONTAL CURVE)	V	VERTICAL
IC	CIRCULAR DEFLECTION ANGLE	VAR.	VARIABLE
IL	INVERT LEVEL	VER.	VERIFIED
IS	SPIRAL DEFLECTION ANGLE	VPC	VERTICAL POINT OF CURVATURE (START OF VERTICAL CURVE)
K	K-FACTOR (RATE OF VERTICAL CURVATURE)	VPI	VERTICAL POINT OF INTERSECTION OF PROFILE GRADE.
Kg	KILOGRAM	VPT	VERTICAL POINT OF TANGENCY (END OF VERTICAL CURVE)
KM/Km	KILOMETER	W.	WEST, WIDTH OF ROADWAY
L	LENGTH OF HORIZONTAL CURVE/SPIRAL	W.B.M	WATER BOUND MACADAM
LN.M	LINEAR METER	WC	WATER COURSE
LHS	LEFT HAND SIDE	X	DISTANCE, IN THE DIRECTION OF TANGENT, FROM BEGINNING TO THE END OF SPIRAL SKEW ANGLE
LT.	LEFT		
LT	LONG TANGENT		
M	METER		
M	MIDDLE ORDINATE		
MAX.	MAXIMUM		
M.H	MAN HOLE		
MIN.	MINIMUM		
mm	MILLIMETER		

NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:
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Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
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KASB CONSULTANTS
PVT. LTD

DRAWING TITLE:
LEGEND ABBREVIATION

DESIGN BY: SUNILA	SHEET NO: 01 of 01
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

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ZU/IFRAP/GEN/03

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Integrated Flood Resilience and
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Component I

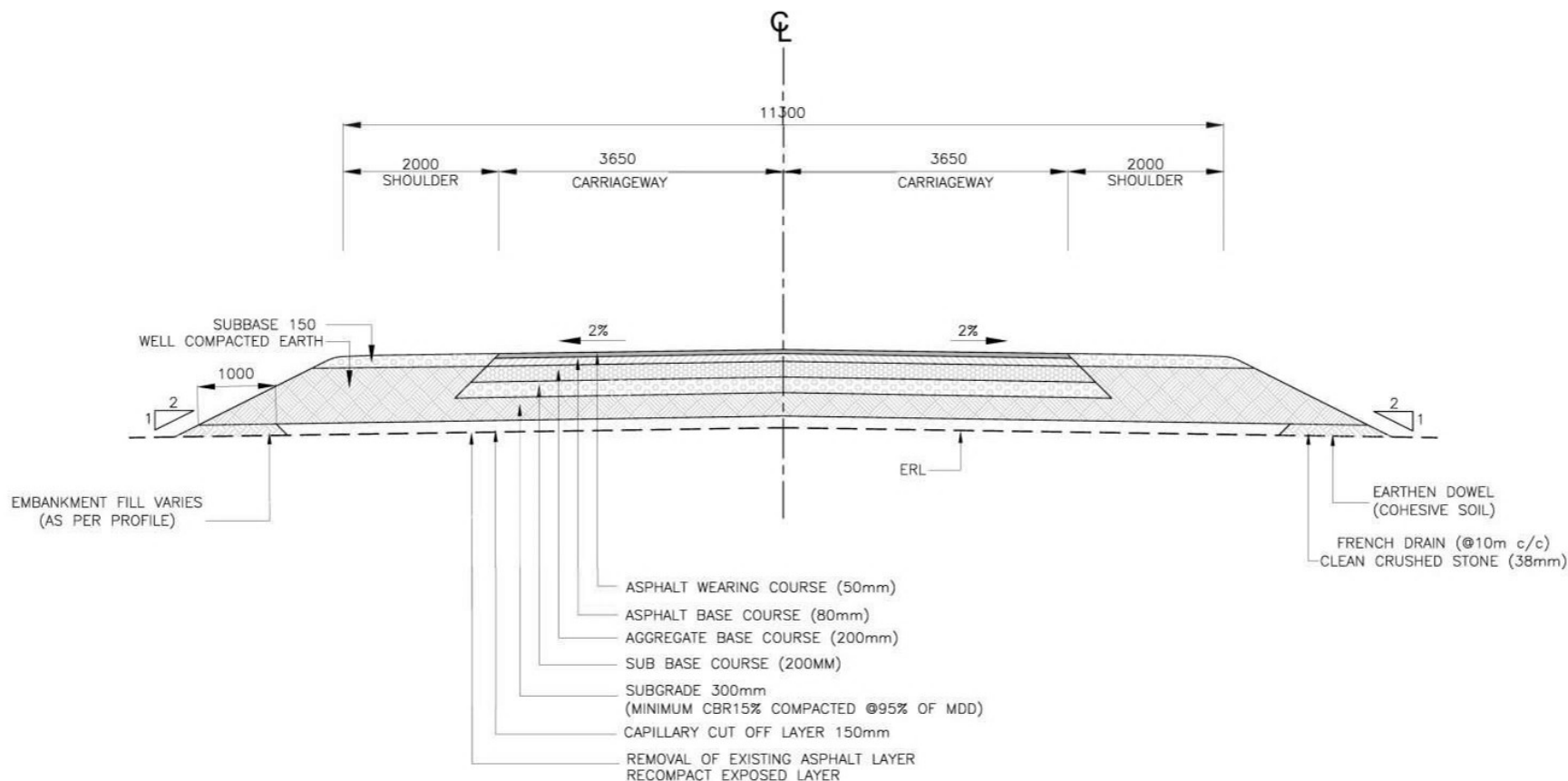
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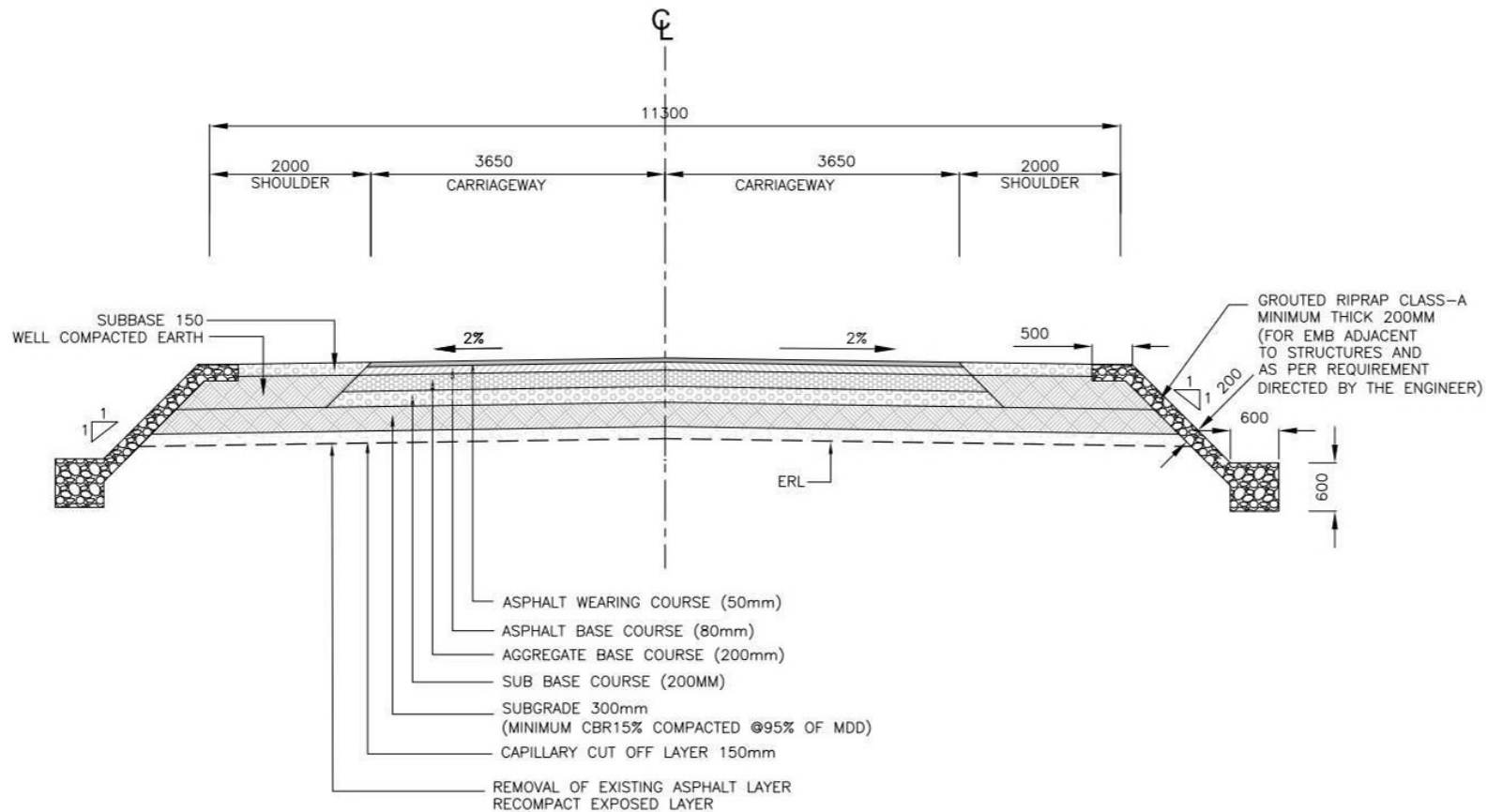
DRAWING TITLE:
TYPICAL CROSS SECTION
FOR DERA ALLAHYAR TO HAIRDIN

DESIGN BY: NAVEED	SHEET NO: 01 of 04
DRAWN BY: AKHTAR	SCALE: 1 : 1000 H 1 : 1000 V
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI-IFRAP/GEN/04C



TYPICAL CROSS SECTION
KM 16+550 TO 24+600



TYPICAL CROSS SECTION WHERE REQUIRED ADJACENT TO STRUCTURES

NOTES
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REV	REVISION/ISSUE	DATE
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Component I

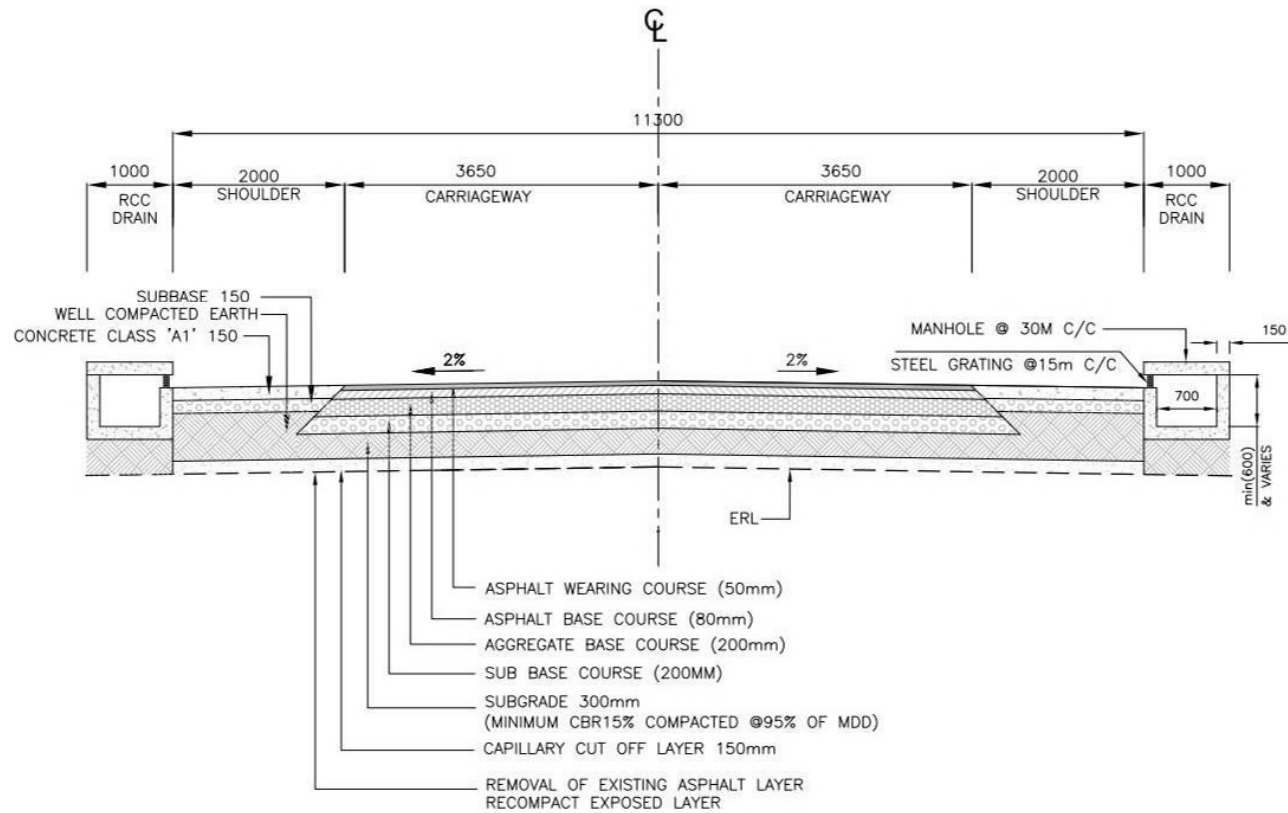
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DRAWING TITLE:
TYPICAL CROSS SECTION
FOR DERA ALLAHYAR TO HAIRDEN

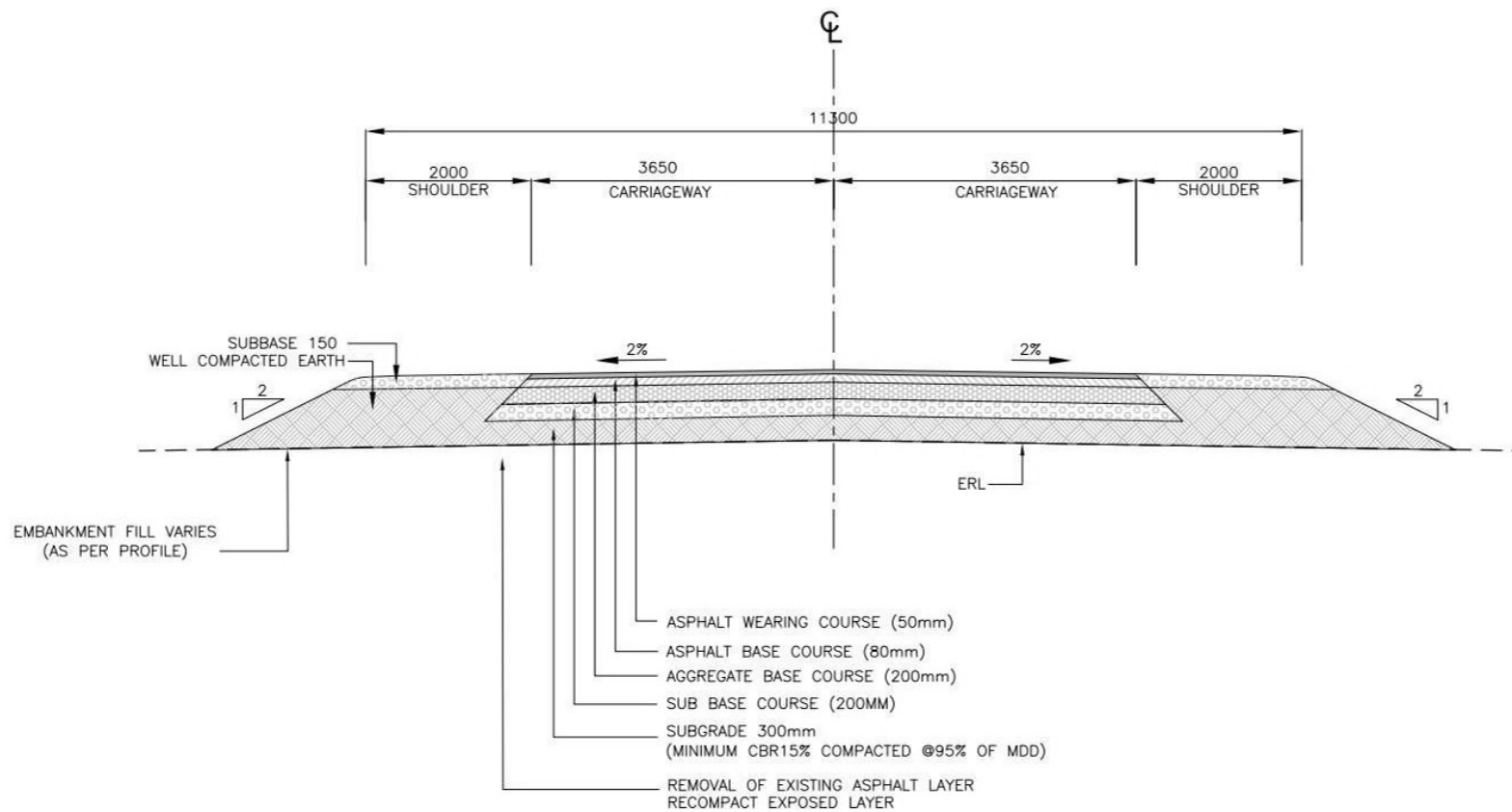
DESIGN BY: NAVEED	SHEET NO: 01 of 04
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CAD FILE NAME:
ZI-IFRAP/GEN/04D



TYPICAL CROSS SECTION FOR BUILTUP AREA

NOTES 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.														
LEGEND														
ABBREVIATION														
<table border="1"> <tr> <th>REV</th><th>REVISION/ISSUE</th><th>DATE</th></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td> </td><td> </td><td> </td></tr> </table>			REV	REVISION/ISSUE	DATE									
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CLIENT : Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I														
PROJECT : Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)														
LEAD CONSULTANT: ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASIB CONSULTANTS PVT. LTD.														
DRAWING TITLE: TYPICAL CROSS SECTION FOR DERA ALLAHYAR TO HAIRDIN														
DESIGN BY: NAVEED	SHEET NO: 01 of 04													
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APPROVED BY: RASHID	REVISION: REV. 00													
CAD FILE NAME: ZI-IFRAP/GEN/04E														



TYPICAL CROSS SECTION

KM 24+600 TO 38+000

NOTES
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LEGEND

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Component I

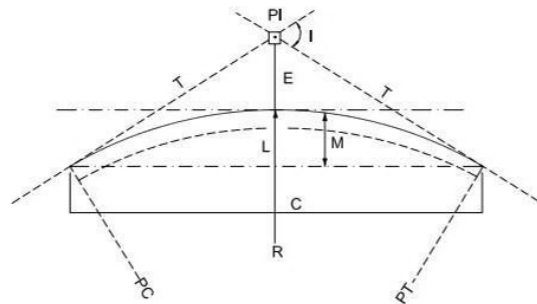
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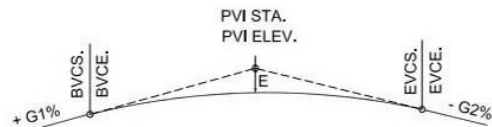
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CAD FILE NAME:
ZI-IFRAP/GEN/04F



- I = Angle Of Deflection
 R = Radius Of Curvature (meter)
 D = Degree Of Curve (degree)
 T = Tangent Length (metre)
 E = External Distance (metre)
 PC = Point Of Curvature
 PT = Point Of Tangency
 L = Length Of Curve
 C = Chord Length (metre)
 M = Middle Ordinate (metre)

DETAILS OF HORIZONTAL CURVE



- PVI = Point of vertical intersection
 ELEV. = Elevation
 STA. = Station
 BVCS. = Beginning of vertical curve station
 BVCE. = Beginning of vertical curve elevation
 EVCS. = End of vertical curve station
 EVCE. = End of vertical curve elevation
 LVC. = Length of vertical curve
 K = K-factor (rate of vertical curvature)

DETAILS OF VERTICAL CURVE

GEOMETRIC DESIGN STANDARDS

(AASHTO 2018)

Design Description	Unit	Design values	Reference*
Design Speed	Km/hr	80	page 2-23
Design Vehicle		WB-19	Table 2-4b
Cross Section Elements:			
Carriageway width	m	3,65 x 2 = 7,30 (single carriageway)	
Shoulder Width (plain & rolling)	m	2,00 (Both sides)	
Crossfall of Carriageway	%	2,0	page 3-31
Crossfall of Shoulder	%	4,0	
Horizontal Alignment			
Minimum Radius	m	280	Table 3-7
Vertical Alignment			
Maximum Grade	%	0,3	page 3-130
Maximum Grade	%	3	page 3-130
Minimum Crest Vertical Curves (SSD) (rate of Vertical Curvature,k)	-	26	page 3-35
Minimum Sag Vertical Curves (SSD) (rate of Vertical Curvature,k)	-	30	page 3-37

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE
-----	----------------	------

CLIENT :
 Project Implementation Unit (PIU)
 Integrated Flood Resilience and
 Adaptation Project (IFRAP)
 Component 1

PROJECT:
 Consulting Services For Design,
 Procurement Assistance,
 Contract Administration and
 Construction Supervision
 (Road Infrastructure Sub-Component)

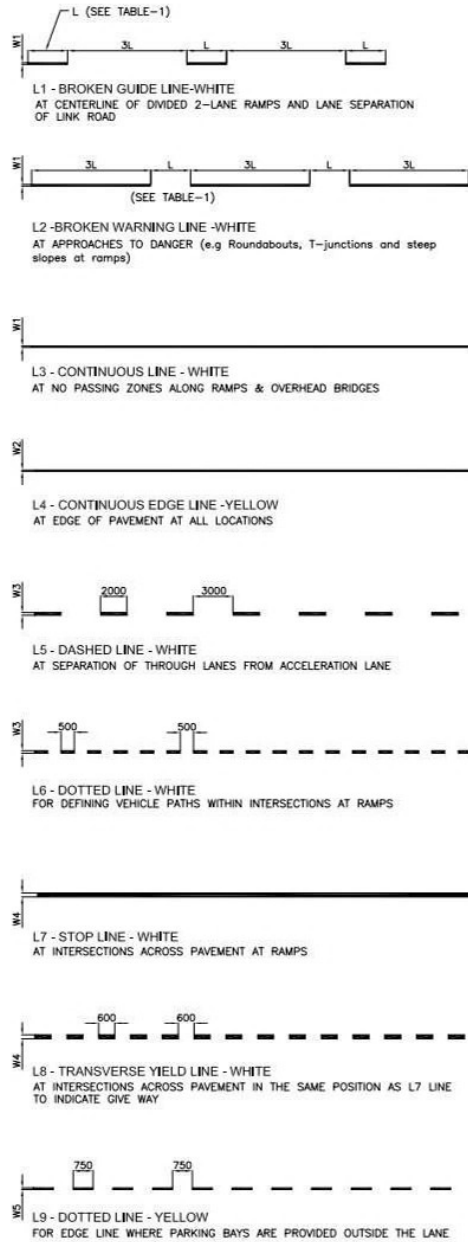
LEAD CONSULTANT:
 ZEERUK INTERNATIONAL (PVT) LTD.
 3rd Floor, Anara Square Plaza,
 F-11 Markaz, Islamabad
 Ph: 051-2224215-16, FAX: 051-2224217
 KASIB CONSULTANTS
 PVT. LTD.

DRAWING TITLE:
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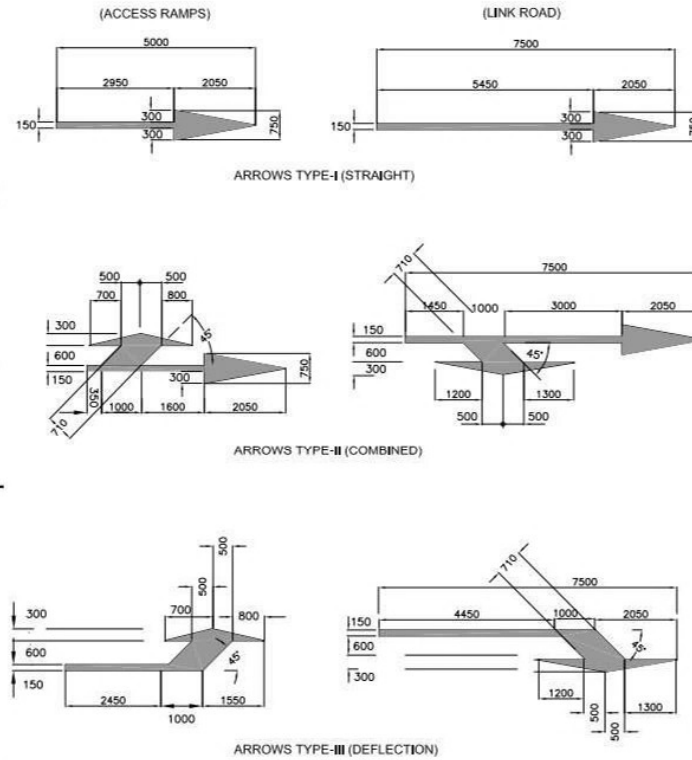
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DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV. 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
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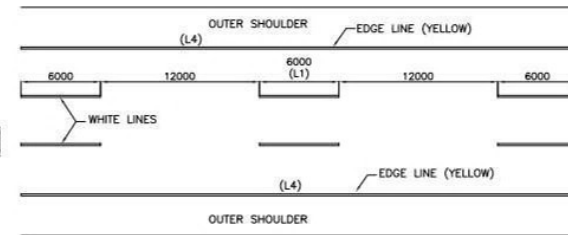
PAVEMENT MARKING LINES FOR DIMENSIONS L & W1 TO W5, SEE TABLE-1



LANE SELECTION ARROWS - WHITE



TYPICAL MARKING AT LINK ROAD



TYPICAL MARKING AT ONE WAY RAMPS (SINGLE LANE)

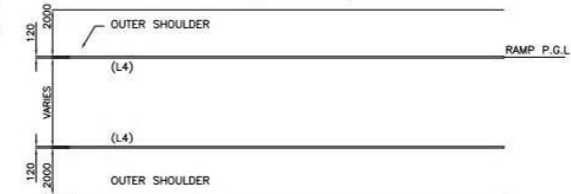


TABLE - 1

ROADWAY TYPE	L (mm)	W1	W2	W3	W4	W5
SERVICE ROAD	2000	100	100	100	300	100
FLYOVER/ RAMP	4000	120	120	150	300	100
LINK ROAD	6000	120	150	450	-	-

NOTE :-
1- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV REVISION/ISSUE DATE

CLIENT :
Project Implementation Unit (PIU)
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Adaptation Project (IFRAP)
Component I

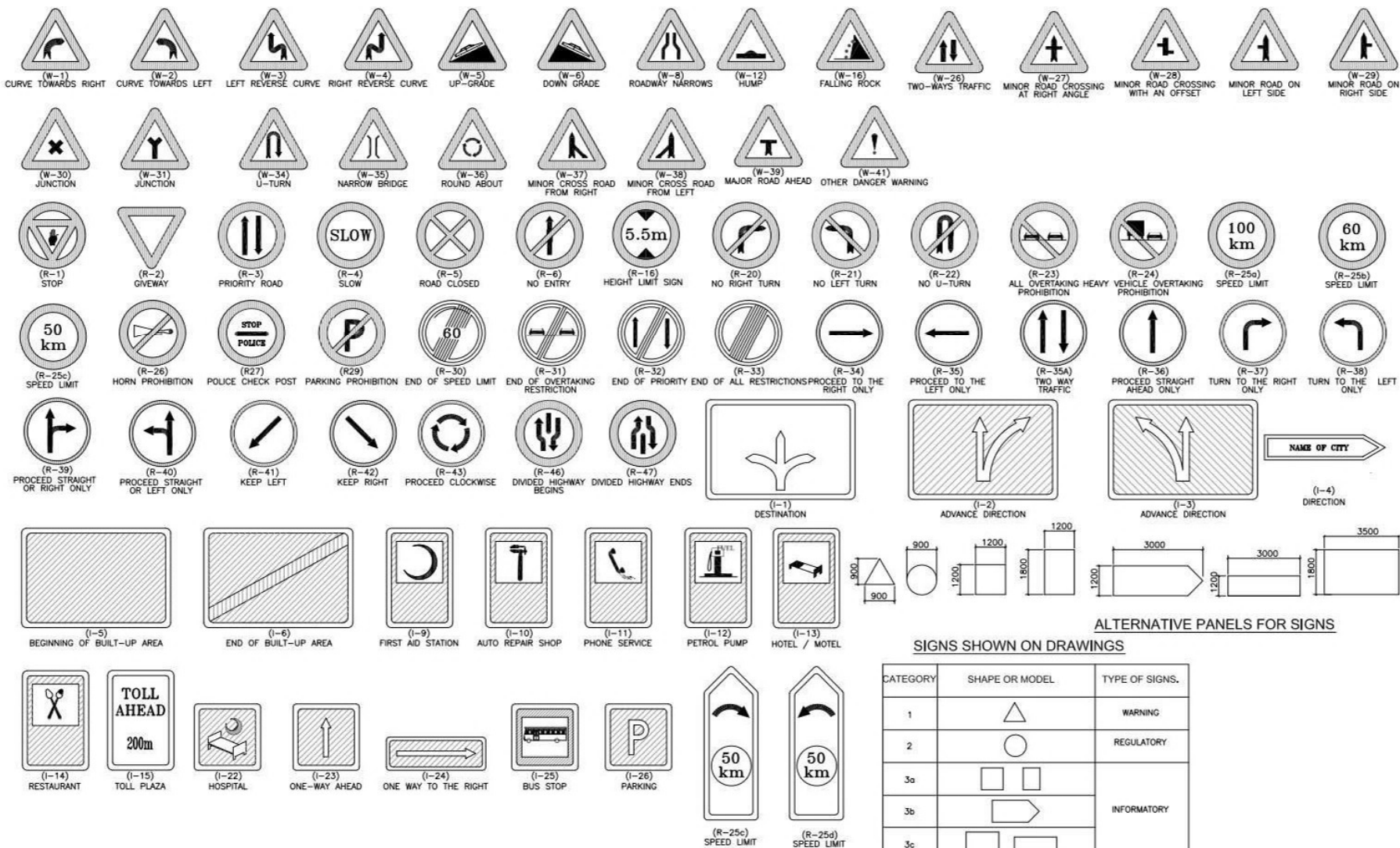
PROJECT :
Consulting Services For Design,
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Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anna Square Plaza,
F-11 Markaz, Islamabad
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KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
PAVEMENT MARKING

DESIGN BY: SHEET NO:
SUNILA 01 of 01
DRAWN BY: SCALE:
AKHTAR N.T.S
CHECKED BY: DATE:
KHURAM NOV, 2025
APPROVED BY: REVISION:
RASHID REV. 00

CAD FILE NAME:
ZU/IFRAP/GEN/06



Note:- This drawing includes all possible scenarios, which may not be required at this stage. However, these general details will be used for future requirements. The specific details have been provided in the relevant drawings.

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS
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LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

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Component 1

PROJECT :

Consulting Services For Design,
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3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

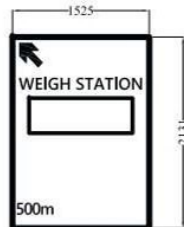
DRAWING TITLE :

TRAFFIC SIGNS DETAILS - I

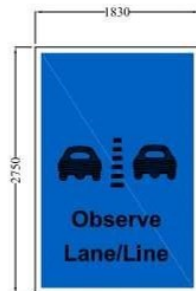
DESIGN BY:	SHEET NO:
SUNILA	10 OF 05
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

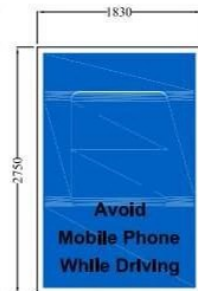
ZI-IFRAP/GEN/07



WEIGH
STATION



OBSERVE LANE



AVOID MOBILE



SEATBELT FASTEN



(R-1)
BIFURCATION SIGN



(R-2)
GIVE WAY SIGN



(W-1)
KEEP LEFT SIGN

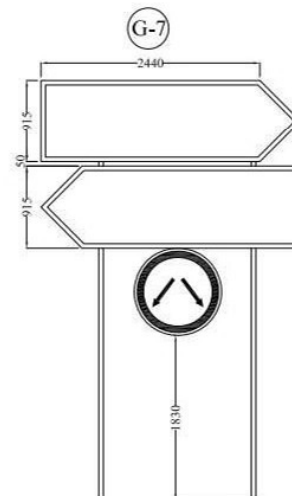
(W-4)
CHEVRON
SIGN



(R-5)
LANE MERGE

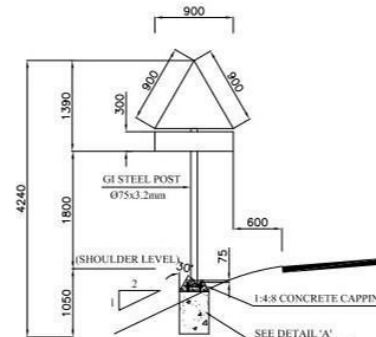
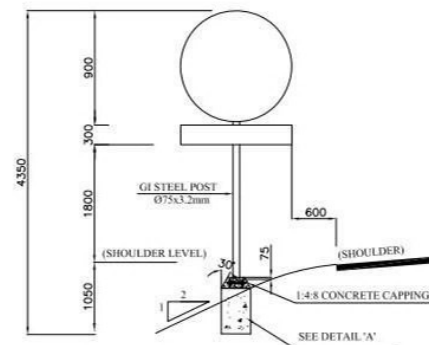
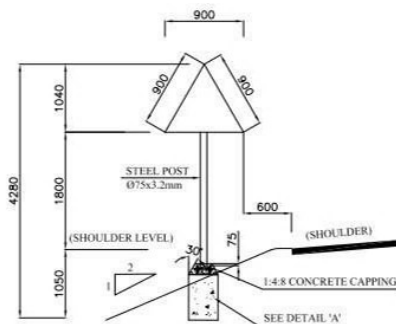
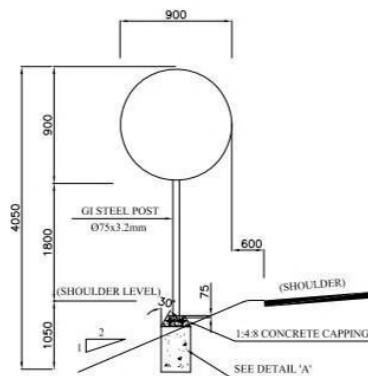


SPEED CAMERA
AHEAD SIGN
(AFTER REGULAR
INTERVAL)



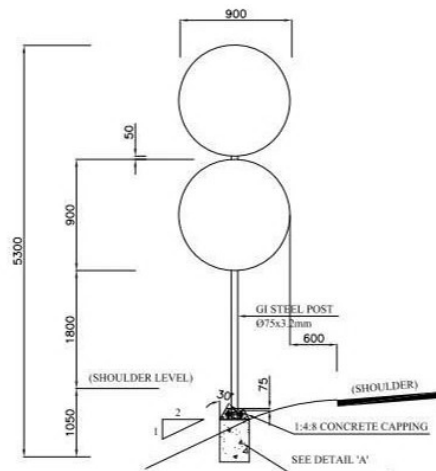
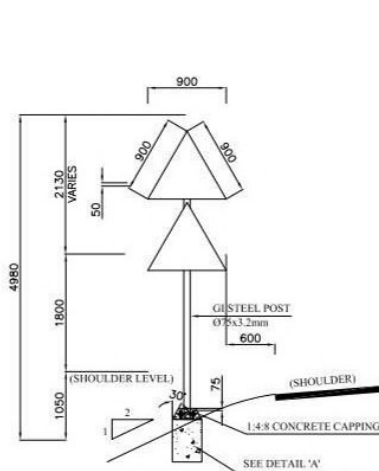
Note:- This drawing includes all possible scenarios, which may not be required at this stage. However, these general details will be used for future requirements. The specific details have been provided in the relevant drawings.

NOTES		
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.		
LEGEND		
ABBREVIATION		
REV	REVISION/ISSUE	DATE
CLIENT :		
Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I		
PROJECT :		
Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)		
LEAD CONSULTANT :		
ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Anara Square Plaza, F-11 Markar, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASIB CONSULTANTS PVT. LTD		
DRAWING TITLE		
TRAFFIC SIGNS DETAILS - 2		
DESIGN BY:	SHEET NO:	
SUNILA	04 OF 05	
DRAWN BY:	SCALE:	
AKHTAR	N.T.S	
CHECKED BY:	DATE:	
KHURAM	NOV, 2025	
APPROVED BY:	REVISION:	
RASHID	REV. 00	
CAD FILE NAME:		
ZI-IFRAP/GEN/08		

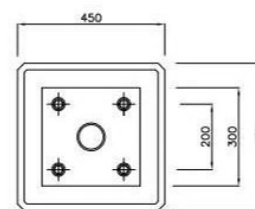


SINGLE SIGNS

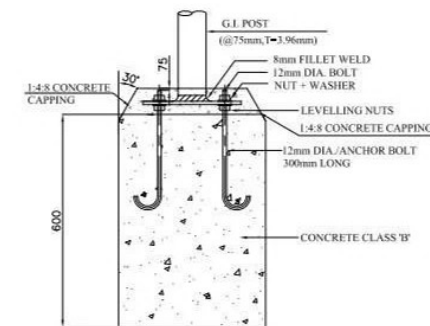
SINGLE SIGNS WITH ADDITIONAL PLATE



DOUBLE SIGNS



PLAN



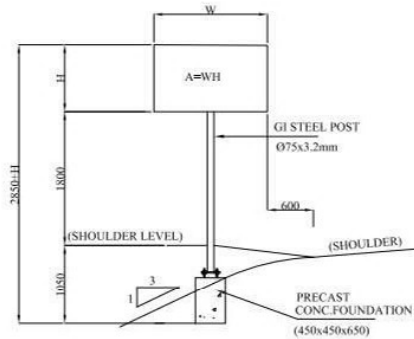
SECTION

PRECAST CONCRETE FOUNDATION
(TYPE-1)

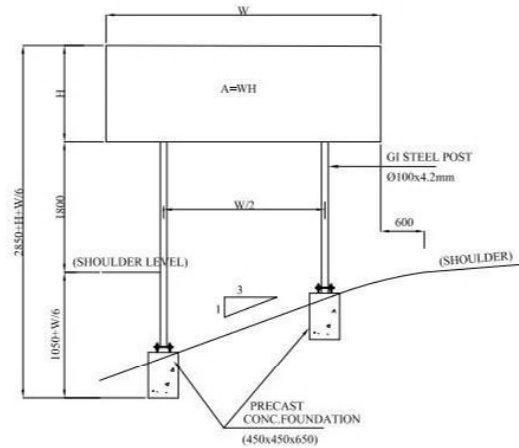
DETAIL 'A'

WARNING/REGULATORY (TRIANGLE/CIRCULAR)SIGNS.

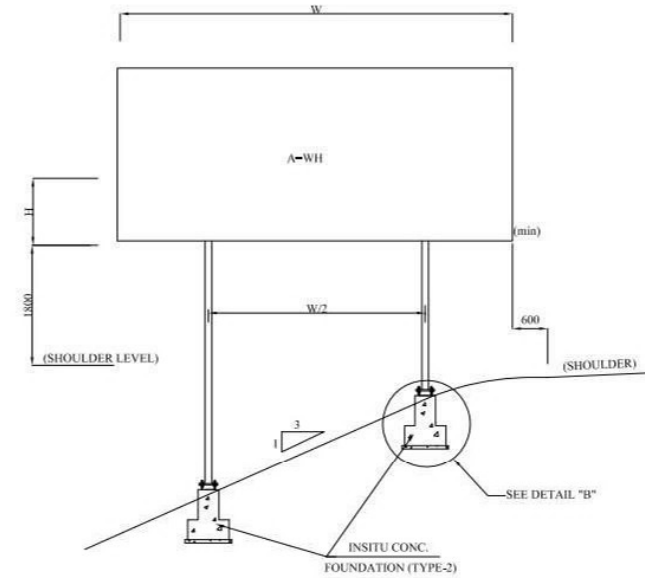
NOTES		
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.		
LEGEND		
ABBREVIATION		
REV.	REVISION/ISSUE	DATE
CLIENT :		
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PROJECT:		
 Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)		
LEAD CONSULTANT:		
 ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Anna Square Plaza, F-11 Markaz, Islamabad Ph: 01-2224215-16, FAX: 01-2224217 KASIB CONSULTANTS PVT. LTD		
DRAWING TITLE:		
TYPICAL PLACEMENT FOR ROAD SIGNS		
DESIGN BY:	SHEET NO:	
SUNILA	01 OF 01	
DRAWN BY:	SCALE:	
AKHTAR	N.T.S	
CHECKED BY:	DATE:	
KHURAM	NOV, 2025	
APPROVED BY:	REVISION:	
RASHID	REV. 00	
CAD FILE NAME:		
ZI-IFRAP/GEN/09		



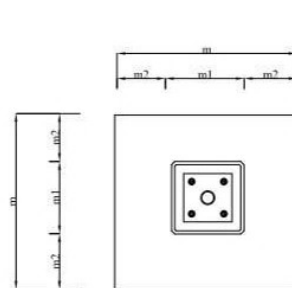
SINGLE POST ($A < 1.5m^2$)



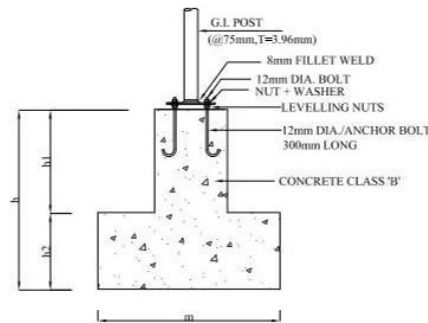
DOUBLE POST ($A < 3m^2$)
FOUNDATION TYPE-1



DOUBLE POST ($A < 20m^2$)
FOUNDATION TYPE-2



PLAN



DETAIL "B"

PRECAST CONCRETE FOUNDATION
(TYPE-2)

TABLE - 1

AREA OF SIGN BOARD (A) (M ²)	DIMENSION (M M)					
	m ₁	m ₂	m	h ₁	h ₂	h
3 < A ≤ 5	450	325	1100	600	400	1000
5 < A ≤ 10	600	400	1400	750	450	1200
10 < A ≤ 15	700	450	1600	900	500	1400
15 < A ≤ 20	800	500	1800	1050	550	1600

LIST OF FOUNDATION SIZE

NOTES
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UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE
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CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :
Consulting Services For Design,
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Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

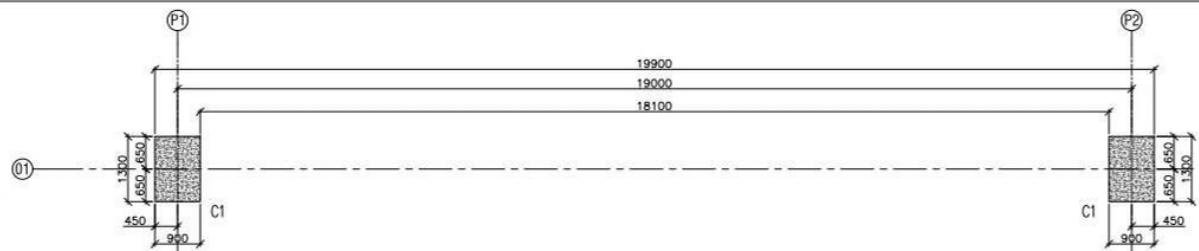
LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASBI CONSULTANTS
PVT. LTD

DRAWING TITLE:
ROAD SIGNS - 09
TYPICAL PLACEMENT
FOR ROAD SIGNS - 2

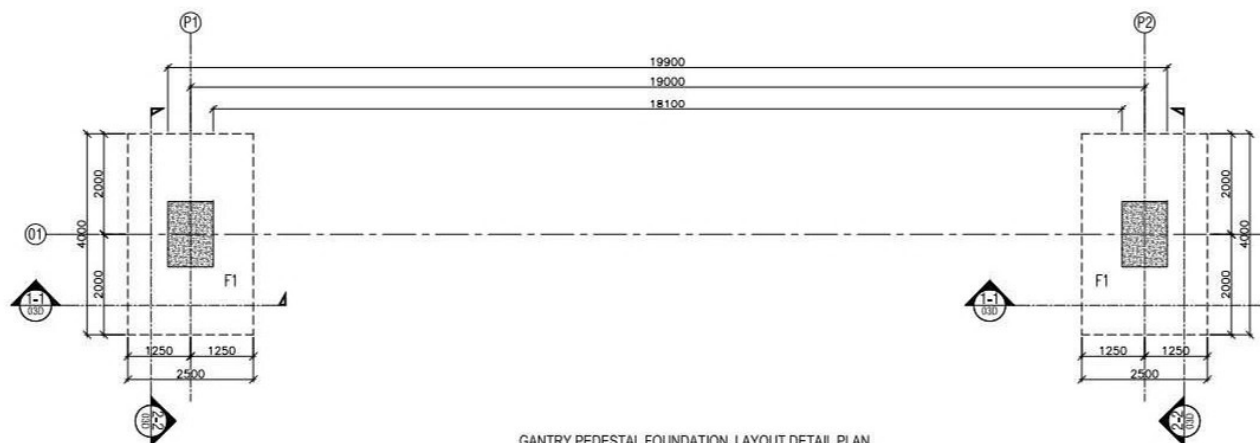
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APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI-IFRAP/GEN/09A

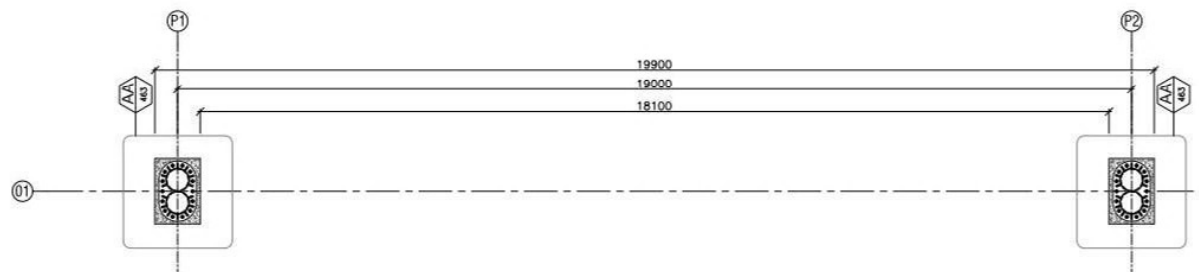
OVERHEAD GANTRY SIGN



GANTRY PEDESTAL LAYOUT DETAIL PLAN
AT LEVEL +200



GANTRY PEDESTAL FOUNDATION LAYOUT DETAIL PLAN
AT LEVEL +300



BASEPLATE LAYOUT DETAIL PLAN
AT LEVEL +300

NOTES

- ALL DIMENSIONS ARE IN MILLIMETER
- ALL STEEL SHALL BE ASTM-A36
- ALL BOLTS SHALL BE ASTM-A325
- HIGH STRENGTH ANCHOR BOLTS
- ALL WELDING SHALL BE DONE WITH 0 XX ELECTRODE
- ALL WELDING SHALL BE DONE IN ACCORDANCE OF AWS
- ALL BASE PLATES SHALL BE 45 mm THICK (OTHERWISE MENTIONED)
- WIND SPEED HAS BEEN TAKEN AS 70 MPH
- SEISMIC ZONE HAS BEEN TAKEN AS 2A
- FOOTING: $f_c' = 3000$ PSI
- PEDESTAL: $f_c' = 4000$ PSI
- $f_y = 60000$ PSI FOR REINFORCEMENT BARS
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING THE EXECUTION OF THE STEEL STRUCTURE
- ADJUST PEDESTAL HEIGHTS TO ACCOMMODATE CROSSROAD SLOPE VARIATIONS. CONTRACTOR TO PREPARE SHOP DRAWINGS BEFORE STARTING WORK.

REV.	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
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Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

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1st Floor, Anna Square Plaza,
7-11 Market, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

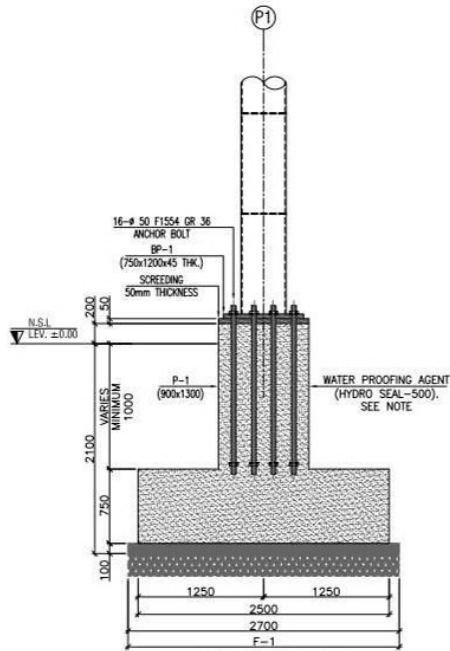
DRAWING TITLE:

GANTRY
FOUNDATION LAYOUT DETAIL
PLAN

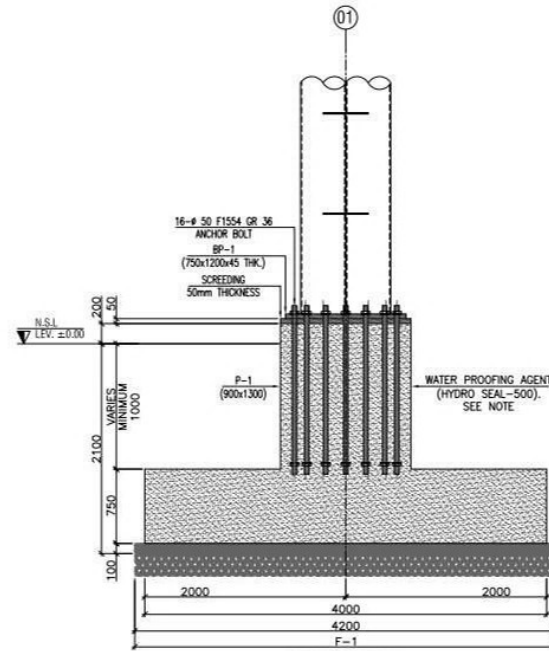
DESIGN BY: ZEESHAN	SHEET NO: 01 of 08
DRAWN BY: ARS	SCALE: 1:10
CHECKED BY: ZEESHAN	DATE: NOV, 2025
APPROVED BY: ZEESHAN	REVISION: 00

CAD FILE NAME:

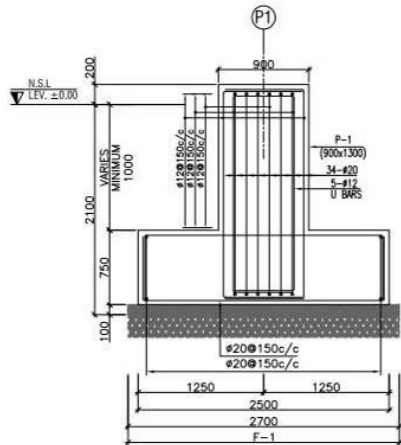
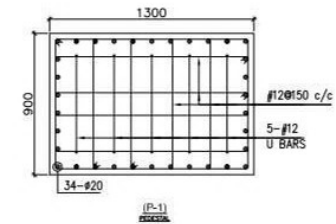
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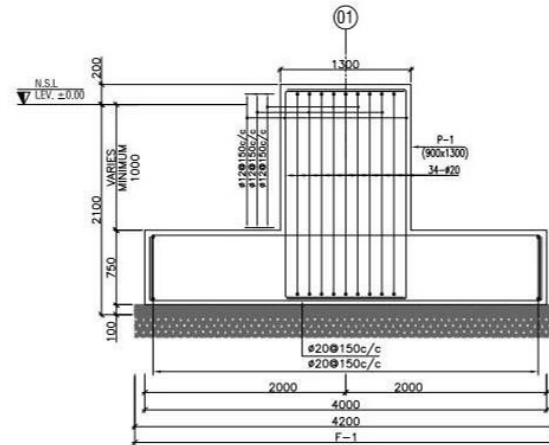
(SECTION AT 1-1)
PEDESTAL FOOTING
AT FOUNDATION LEVEL <+100.0
CONCRETE SECTION



(SECTION AT 2-2)
PEDESTAL FOOTING
AT FOUNDATION LEVEL <+100.0
CONCRETE SECTION



(SECTION AT 1-1)
PEDESTAL FOOTING
AT FOUNDATION LEVEL <+100.0
CONCRETE SECTION



(SECTION AT 2-2)
PEDESTAL FOOTING
AT FOUNDATION LEVEL <+100.0
CONCRETE SECTION

NOTE:

ADJUST PEDESTAL HEIGHTS TO ACCOMMODATE CROSSROAD SLOPE VARIATIONS.
CONTRACTOR TO PREPARE SHOP DRAWINGS BEFORE STARTING WORK.

NOTES

- ALL DIMENSION ARE IN MILLIMETER
- ALL STEEL SHALL BE ASTM-A36
- ALL BOLTS SHALL BE ASTM-A325
- 10% STRENGTH ANCHOR BOLTS
- ALL WELDING SHALL BE DONE WITH 0 XX ELECTRODE
- ALL WELDING SHALL BE DONE IN CORDANCE OF AWS
- ALL BASE PLATES SHALL BE 45 mm THICK (OTHERWISE MENTIONED)
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- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING THE EXECUTION OF THE STEEL STRUCTURE
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REV.	REVISION/ISSUE	DATE

CLIENT:	Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component 1
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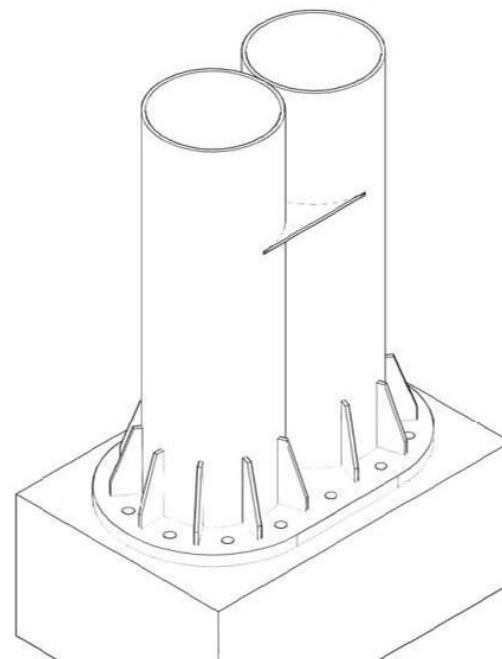
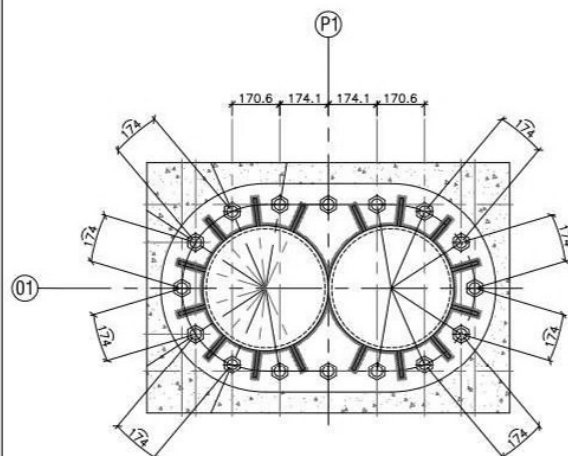
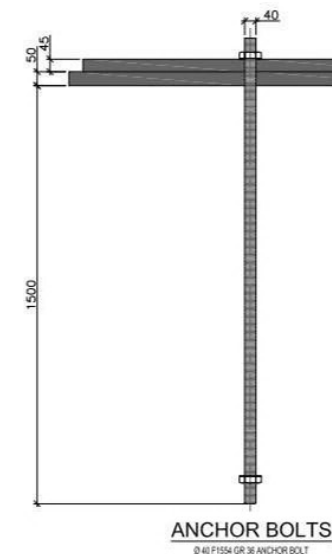
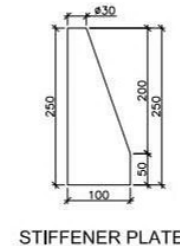
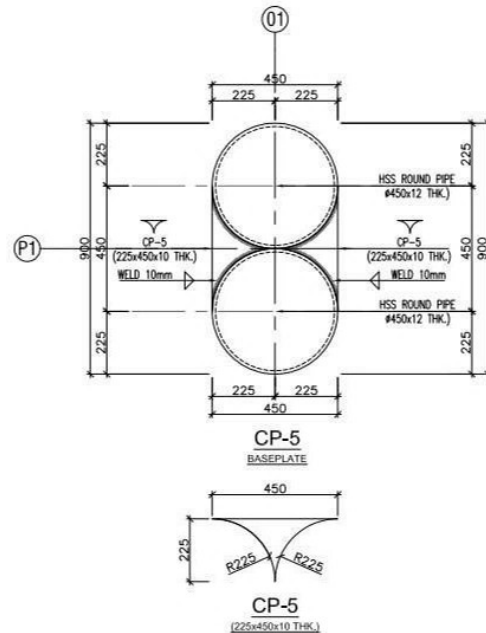
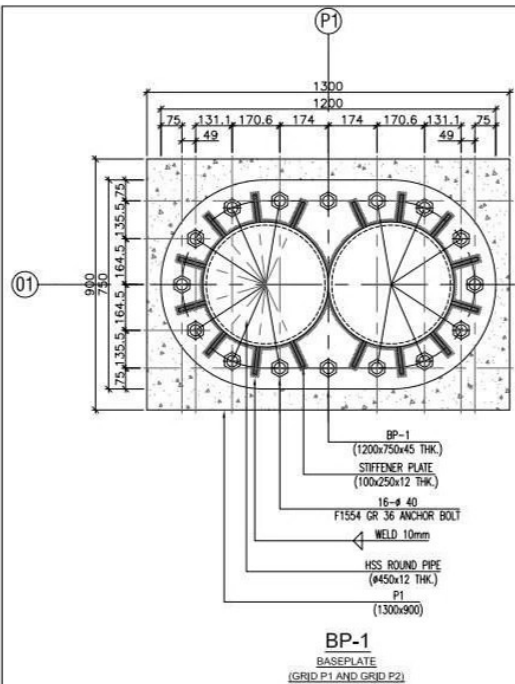
PROJECT:	Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)
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LEAD CONSULTANT:	ZEEHUR INTERNATIONAL (PVT) LTD. 1st Floor, Anna Square Plaza, F-11 Market, Islamabad Ph: 011-2224215-16, FAX: 011-2224217 KASIB CONSULTANTS PVT. LTD.
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DRAWING TITLE:	GANTRY PEDESTAL FOOTING SECTION
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DESIGN BY:	SHEET NO:
ZEESHAN	02 of 08
DRAWN BY:	SCALE:
ARS	1:10
CHECKED BY:	DATE:
ZEESHAN	NOV, 2025
APPROVED BY:	REVISION:
ZEESHAN	00

CAD FILE NAME:	ZIFRAP/GEN/108
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- NOTES
- ALL DIMENSION ARE IN MILLIMETER
 - ALL STEEL SHALL BE ASTM-A36
 - ALL BOLTS SHALL BE ASTM-A325
 - HIGH STRENGTH ANCHOR BOLTS
 - ALL WELDING SHALL BE DONE WITH 0 XX ELECTRODE
 - ALL WELDING SHALL BE DONE IN CORDANCE OF AWS
 - ALL BASE PLATES SHALL BE 45 mm THICK (OTHERWISE MENTIONED)
 - WIND SPEED HAS BEEN TAKEN AS 70 MPH
 - SEISMIC ZONE HAS BEEN TAKEN AS 2A
 - FOOTING: $f_c' = 3000$ PSI
 - PEDESTAL: $f_c' = 4000$ PSI
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 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING THE EXECUTION OF THE STEEL STRUCTURE
 - ADJUST PEDESTAL HEIGHTS TO ACCOMMODATE CROSSROAD SLOPE VARIATIONS. CONTRACTOR TO PREPARE SHOP DRAWINGS BEFORE STARTING WORK.

REV.	REVISION/ISSUE	DATE

CLIENT:
Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

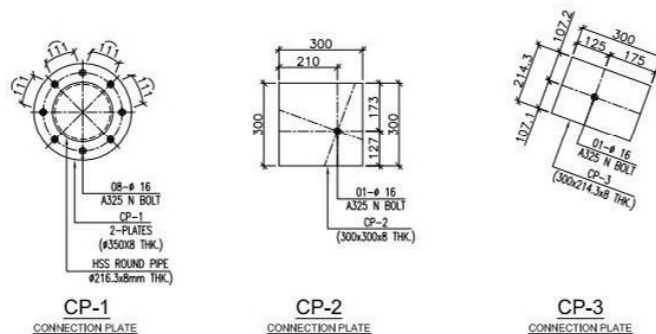
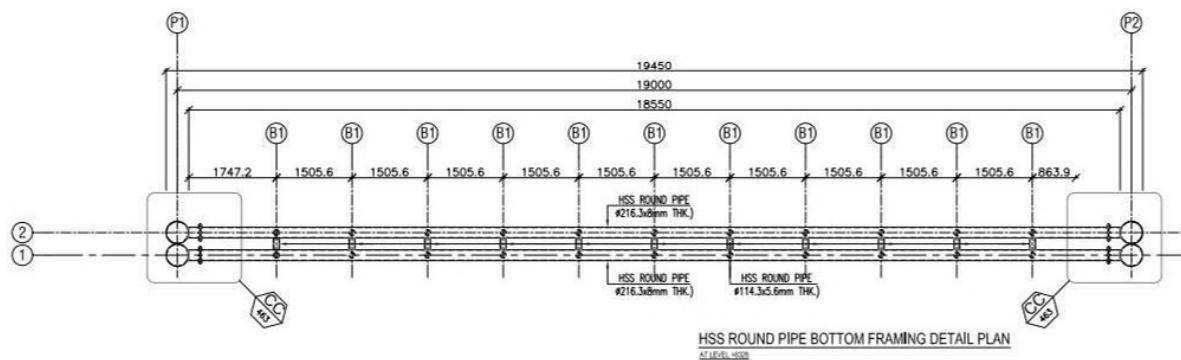
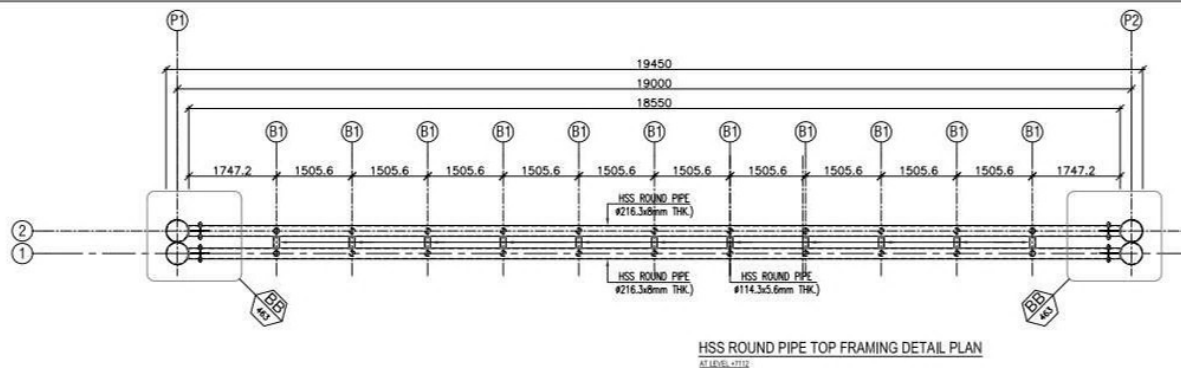
PROJECT:
Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD.
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7-11 Market, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

DRAWING TITLE:
GANTRY
BASEPLATES DETAIL PLAN

DESIGN BY: ZEESHAN	SHEET NO: 03 of 08
DRAWN BY: ARS	SCALE: 1:10
CHECKED BY: ZEESHAN	DATE: NOV, 2025
APPROVED BY: ZEESHAN	REVISION: 00

CAD FILE NAME:
ZIFRAP/GEN/10C



NOTES

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- IGH STRENGTH ANCHOR BOLTS
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- ALL BASE PLATES SHALL BE 45 mm THICK OTHERWISE MENTIONED
- WIND SPEED HAS BEEN TAKEN AS 70 MPH
- SEISMIC ZONE HAS BEEN TAKEN AS 2A
- FOOTING: $f_c' = 3000$ PSI
- PEDESTAL: $f_c' = 4000$ PSI
- $f_y = 60000$ PSI FOR REINFORCEMENT BARS
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING THE EXECUTION OF THE STEEL STRUCTURE
- ADJUST PEDESTAL HEIGHTS TO ACCOMMODATE CROSSROAD SLOPE VARIATIONS. CONTRACTOR TO PREPARE SHOP DRAWINGS BEFORE STARTING WORK.

REV.	REVISION/ISSUE	DATE

CLIENT:
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

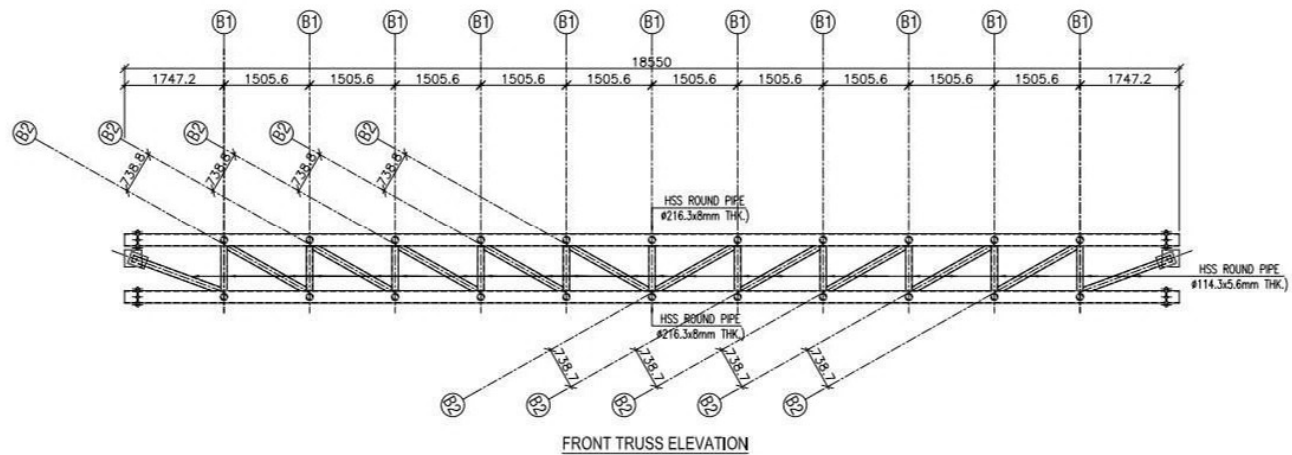
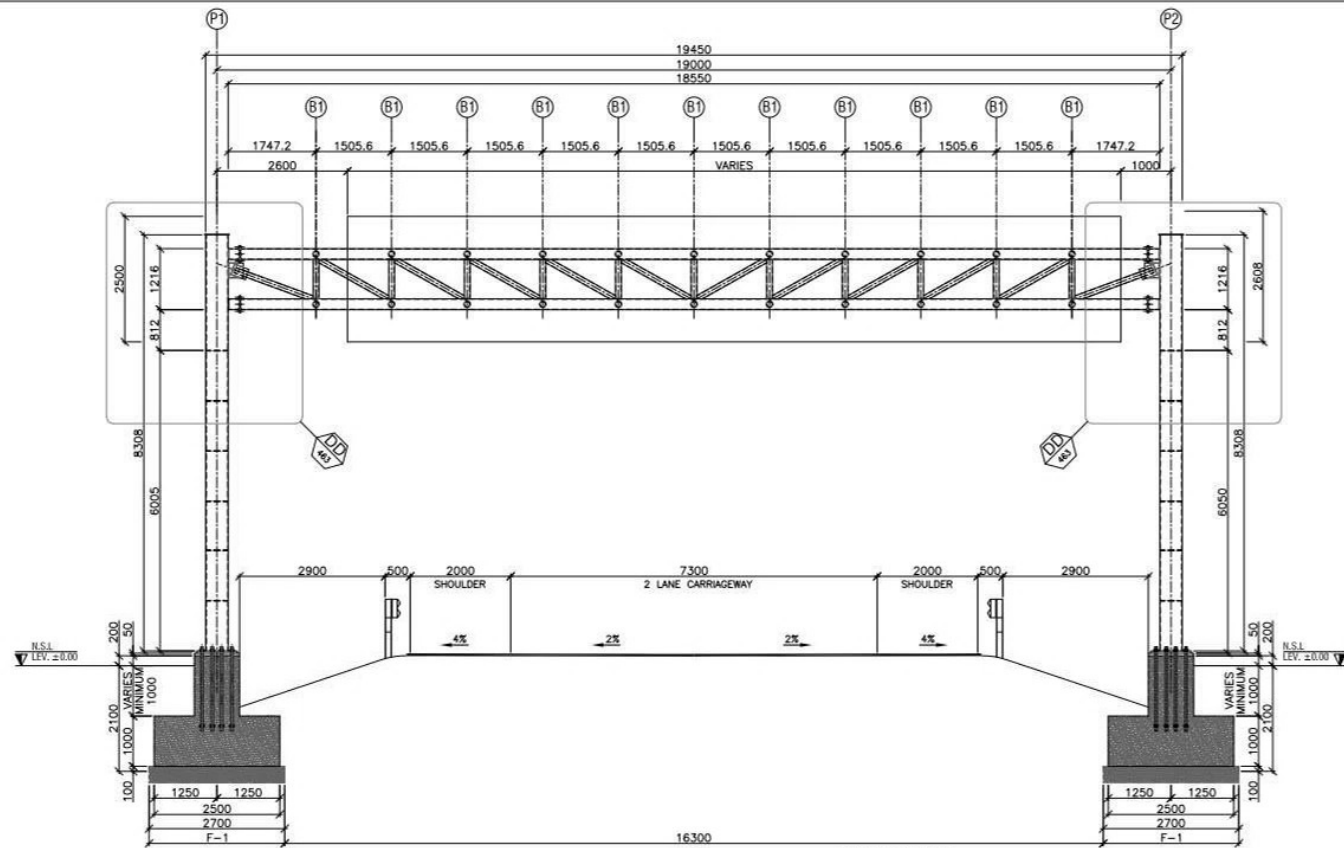
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEEBIR INTERNATIONAL (PVT) LTD
1st Floor, Anna Square Plaza,
7-11 Market, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
GANTRY
HSS ROUND PIPE TOP &
BOTTOM FRAMING PLAN

DESIGN BY: ZEESHAN	SHEET NO: 04 of 08
DRAWN BY: ARS	SCALE: 1:10
CHECKED BY: ZEESHAN	DATE: NOV, 2025
APPROVED BY: ZEESHAN	REVISION: 00

CAD FILE NAME:
ZIFRAP/GEN/100



NOTES

- ALL DIMENSION ARE IN MILLIMETER
- ALL STEEL SHALL BE ASTM-A36
- ALL BOLTS SHALL BE ASTM-A325
- IGH STRENGTH ANCHOR BOLTS
- ALL WELDING SHALL BE DONE WITH 0 XX ELECTRODE
- ALL WELDING SHALL BE DONE IN CORDANCE OF AWS
- ALL BASE PLATES SHALL BE 45 mm THICK (OTHERWISE MENTIONED)
- WIND SPEED HAS BEEN TAKEN AS 70 MPH
- SEISMIC ZONE HAS BEEN TAKEN AS 2A
- FOOTING $F_c' = 3000$ PSI
- PEDESTAL $F_c' = 4000$ PSI
- $F_y = 60000$ PSI FOR REINFORCEMENT BARS
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING THE EXECUTION OF THE STEEL STRUCTURE
- ADJUST PEDESTAL HEIGHTS TO ACCOMMODATE CROSSROAD SLOPE VARIATIONS. CONTRACTOR TO PREPARE SHOP DRAWINGS BEFORE STARTING WORK.

REV.	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD.
1st Floor, Anna Square Plaza,
F-11 Market, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

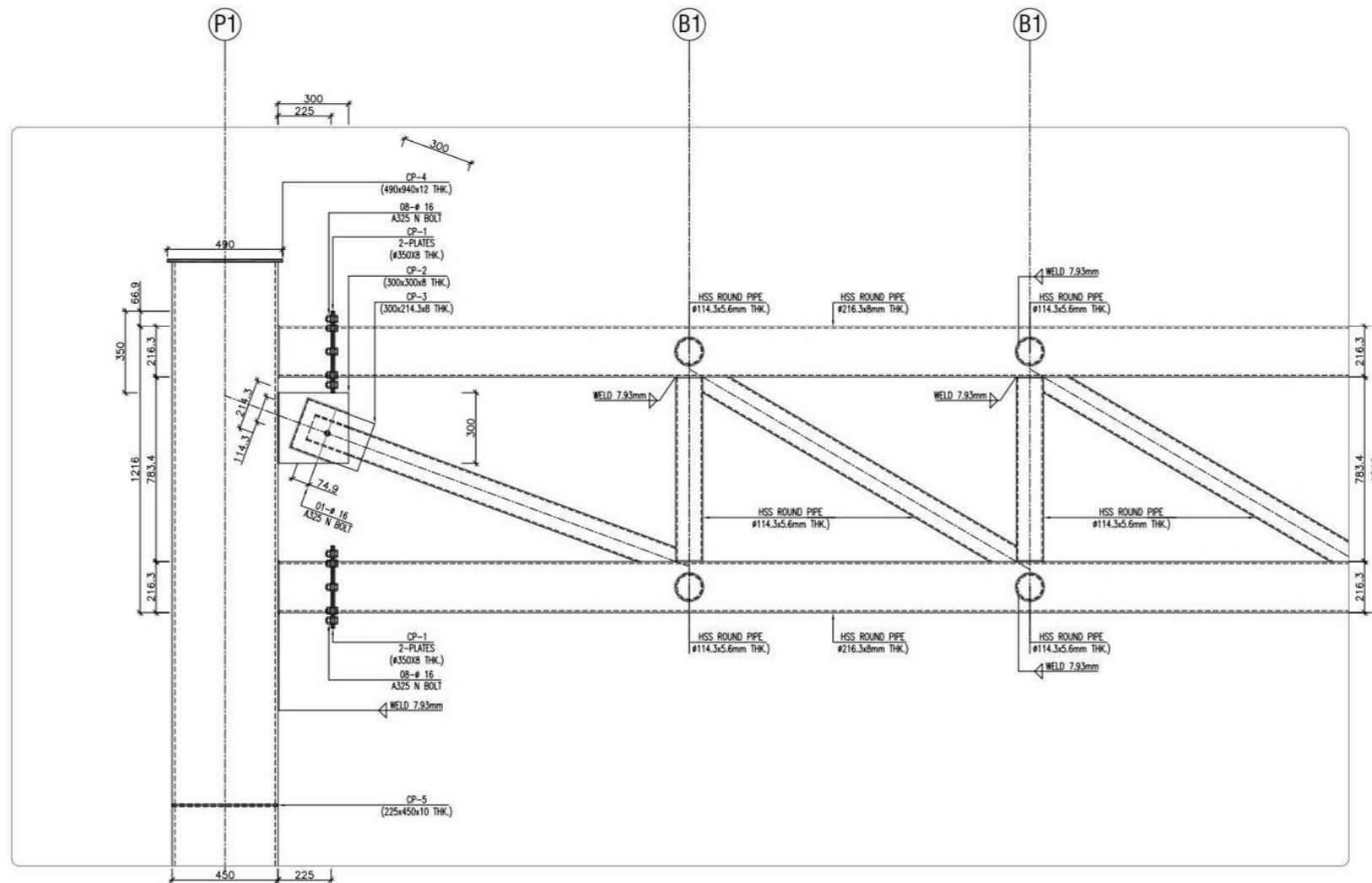
DRAWING TITLE:

GANTRY
FRONT TRUSS ELEVATION

DESIGN BY: ZEESHAN	SHEET NO: 05 of 08
DRAWN BY: ARS	SCALE: 1:10
CHECKED BY: ZEESHAN	DATE: NOV, 2025
APPROVED BY: ZEESHAN	REVISION: 00

CAD FILE NAME:

ZIFRAP/GEN/10E



DETAIL-DD

NOTES

- ALL DIMENSION ARE IN MILLIMETER
- ALL STEEL SHALL BE ASTM-A36
- ALL BOLTS SHALL BE ASTM-A325
- 10H STRENGTH ANCHOR BOLTS
- ALL WELDING SHALL BE DONE WITH 0 XX ELECTRODE
- ALL WELDING SHALL BE DONE IN CORDANCE OF AWS.
- ALL BASE PLATES SHALL BE 45 mm THICK (OTHERWISE MENTIONED)
- WIND SPEED HAS BEEN TAKEN AS 70 MPH.
- SEISMIC ZONE HAS BEEN TAKEN AS 2A.
- FOOTING: $f_c' = 3000$ PSI
- PEDESTAL $f_c' = 4000$ PSI
- $f_y = 60000$ PSI FOR REINFORCEMENT BARS
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCING THE EXECUTION OF THE STEEL STRUCTURE
- ADJUST PEDESTAL HEIGHTS TO ACCOMMODATE CROSSROAD SLOPE VARIATIONS. CONTRACTOR TO PREPARE SHOP DRAWINGS BEFORE STARTING WORK.

REV.	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

ZEERUR INTERNATIONAL (PVT) LTD.
1st Floor, Anna Square Plaza,
7-11 Market, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

DRAWING TITLE:

DETAIL-DD

DESIGN BY: ZEESHAN	SHEET NO: 08 of 08
DRAWN BY: ARS	SCALE: 1:10
CHECKED BY: ZEESHAN	DATE: NOV, 2025
APPROVED BY: ZEESHAN	REVISION: 00

CAD FILE NAME:

ZIIFRAP/GEN/10H

SETTING OUT DATA

SOHBATPUR ROAD.																			
Number	PC STATION	PC NORTHING	PC EASTING	PI EXTENDED STATION	PI NORTHING	PI EASTING	PT STATION	PT NORTHING	PT EASTING	Ic (Internal Angle of Curve)	Da (Degree of Curvature by Arc)	Dc (Degree of Curvature by Chord)	L (Length of Curve)	R (Radius of Curve)	T (Tangent Length)	E (External Distance)	M (Mid Ordinate)	START BEARING	END BEARING
41	10+434.74	3145534.6568	444349.2094				12+995.09	3147364.7117	446402.0914				2560.350					N53° 18' 08"E	N53° 18' 08"E
42	12+995.09	3147364.7117	446402.0914	12+996.60	3147365.6110	446403.2980	12+998.10	3147366.5991	446404.5055	0.0327	0.3423	0.3423	3.010	3000.000	1.505	0.000	0.000	N53° 18' 08"E	N53° 21' 34"E
43	12+998.10	3147366.5991	446404.5055				14+157.70	3148058.5474	447334.9633				1159.999					N53° 21' 34"E	N53° 21' 34"E
44	14+157.70	3148058.5474	447334.9633	14+160.04	3148059.9455	447336.8431	14+162.39	3148064.3260	447338.7580	0.3213	3.2616	3.2618	4.686	500.000	2.343	0.005	0.005	N53° 21' 34"E	N53° 53' 47"E
45	14+162.39	3148061.3260	447338.7580				14+347.80	3148170.5786	447488.5394				185.411					N53° 53' 47"E	N53° 53' 47"E
46	14+347.80	3148170.5786	447488.5394	14+354.44	3148174.4899	447493.9024	14+361.07	3148178.3726	447499.2861	0.1835	0.4115	0.4115	13.275	2500.000	6.638	0.009	0.009	N53° 53' 47"E	N54° 12' 03"E
47	14+361.07	3148178.3726	447499.2861				14+605.59	3148321.4008	447507.6650				244.515					N54° 12' 03"E	N54° 12' 03"E
48	14+605.59	3148321.4008	447507.6650	14+612.58	3148325.4923	447703.2782	14+619.58	3148329.4236	447709.0636	1.3811	3.2616	3.2618	13.989	500.000	6.995	0.049	0.049	N54° 12' 03"E	N55° 48' 13"E
49	14+619.58	3148329.4236	447709.0636				16+886.37	3149603.4307	449583.9690				2266.796					N55° 48' 13"E	N55° 48' 13"E
50	16+886.37	3149603.4307	449583.9690	16+890.51	3149605.7580	449587.3940	16+894.65	3149608.0995	449590.0993	0.1414	0.5134	0.5134	8.282	2000.000	4.141	0.004	0.004	N55° 48' 13"E	N55° 33' 59"E
51	16+894.65	3149608.0995	449590.0993				17+215.68	3149789.6223	449655.5841				321.024					N55° 33' 59"E	N55° 33' 59"E
52	17+215.68	3149789.6223	449655.5841	17+223.03	3149793.7820	449661.6515	17+226.39	3149797.8519	449667.7794	0.5035	1.4308	1.4308	14.712	1000.000	7.356	0.027	0.027	N55° 33' 59"E	N56° 24' 34"E
53	17+226.39	3149797.8519	449667.7794				17+396.67	3149889.8457	450006.2905				106.277					N56° 24' 34"E	N56° 24' 34"E
54	17+396.67	3149889.8457	450006.2905	17+400.26	3149891.8344	450009.2849	17+403.86	3149893.8660	450012.2503	0.4956	3.2616	3.2618	7.189	500.000	3.595	0.013	0.013	N56° 24' 34"E	N55° 33' 08"E
55	17+403.86	3149893.8660	450012.2503				17+737.22	3150082.2763	450357.2684				333.367					N55° 33' 08"E	N55° 33' 08"E
56	17+737.22	3150082.2763	450357.2684	17+763.81	3150096.8510	450308.5427	17+788.75	3150113.5371	450328.2648	5.5418	3.2616	3.2618	51.530	500.000	25.768	0.665	0.664	N55° 33' 08"E	N49° 40' 50"E
57	17+788.75	3150113.5371	450328.2648				17+852.85	3150135.0881	450377.0724				64.093					N49° 40' 50"E	N49° 40' 50"E
58	17+852.85	3150135.0881	450377.0724	17+871.95	3150167.3704	450391.6395	17+891.05	3150180.2801	450405.7238	2.1121	1.4308	1.4308	36.267	1000.000	19.106	0.182	0.182	N49° 40' 50"E	N47° 29' 30"E
59	17+891.05	3150180.2801	450405.7238				18+523.50	3150607.6226	450871.9487				637.445					N47° 29' 30"E	N47° 29' 30"E
60	18+523.50	3150607.6226	450871.9487	18+531.28	3150612.8772	450877.6814	18+539.05	3150618.0871	450883.4549	0.2644	0.5134	0.5134	15.553	2000.000	7.777	0.015	0.015	N47° 29' 30"E	N47° 56' 14"E

SOHBATPUR ROAD.																			
Number	PC STATION	PC NORTHING	PC EASTING	PI EXTENDED STATION	PI NORTHING	PI EASTING	PT STATION	PT NORTHING	PT EASTING	Ic (Internal Angle of Curve)	Dc (Degree of Curvature by Arc)	Dc (Degree of Curvature by Chord)	L (Length of Curve)	R (Radius of Curve)	T (Tangent Length)	E (External Distance)	M (Mid Ordinate)	START BEARING	END BEARING
61	18+539.05	3150618.0871	450883.4549				24+189.46	3154403.5526	455978.3764				5650.408					N47° 56' 14"E	N47° 56' 14"E
62	24+189.46	3154403.5526	455978.3764	24+203.77	3154413.1375	455988.9981	24+216.07	3154422.0994	455100.1505	3.1641	3.2616	3.2618	28.606	500.000	14.307	0.205	0.205	N47° 56' 14"E	N51° 12' 55"E
63	24+216.07	3154422.0994	455100.1505	24+246.71	3154440.0448	455122.4822	24+278.30	3154460.4235	455142.6180	6.3331	3.2616	3.2618	57.255	500.000	28.649	0.819	0.819	N51° 12' 55"E	N44° 39' 24"E
64	24+278.30	3154460.4235	455142.6180	24+288.08	3154469.5155	455151.6017	24+300.36	3154478.1367	455161.0382	2.5543	3.2616	3.2618	25.558	500.000	12.782	0.163	0.163	N44° 39' 24"E	N47° 35' 07"E
65	24+300.36	3154478.1367	455161.0382				24+505.75	3154616.3332	455312.3846				204.890					N47° 35' 07"E	N47° 35' 07"E
66	24+505.75	3154616.3332	455312.3846	24+515.36	3154622.8191	455319.4039	24+524.98	3154629.0742	455326.7074	1.5011	2.5153	2.5154	19.230	600.000	9.616	0.077	0.077	N47° 35' 07"E	N49° 25' 18"E
67	24+524.98	3154629.0742	455326.7074				24+799.11	3154748.8501	455466.5593				184.133					N49° 25' 18"E	N49° 25' 18"E
68	24+799.11	3154748.8501	455466.5593	24+747.14	3154773.5850	455495.4400	24+785.10	3154800.9476	455521.8445	5.2633	2.0855	2.0855	75.993	800.000	38.025	0.903	0.902	N49° 25' 18"E	N43° 58' 45"E
69	24+785.10	3154800.9476	455521.8445				24+906.19	3154888.0807	455605.9263				121.086					N43° 58' 45"E	N43° 58' 45"E
70	24+906.19	3154888.0807	455605.9263	24+910.77	3154891.3739	455609.1042	24+915.34	3154894.6477	455612.3021	0.2059	1.0845	1.0845	9.153	1500.000	4.576	0.007	0.007	N43° 58' 45"E	N44° 19' 43"E
71	24+915.34	3154894.6477	455612.3021				25+086.28	3155016.9247	455731.7467				170.935					N44° 19' 43"E	N44° 19' 43"E
72	25+086.28	3155016.9247	455731.7467	25+094.64	3155022.9073	455737.5907	25+103.00	3155028.6911	455743.6315	1.5500	3.2616	3.2618	16.725	500.000	8.363	0.070	0.070	N44° 19' 43"E	N46° 14' 43"E
73	25+103.00	3155028.6911	455743.6315				25+143.87	3155056.9498	455773.1460				40.861					N46° 14' 43"E	N46° 14' 43"E
74	25+143.87	3155056.9498	455773.1460	25+147.32	3155059.3360	455775.6383	25+150.77	3155061.6876	455778.1633	0.4727	3.2616	3.2618	6.901	500.000	3.450	0.012	0.012	N46° 14' 43"E	N47° 02' 09"E
75	25+150.77	3155061.6876	455778.1633				25+175.67	3155078.6599	455796.3867				24.903					N47° 02' 09"E	N47° 02' 09"E
76	25+175.67	3155078.6599	455796.3867	25+281.80	3155130.9895	455874.0484	25+380.33	3155189.2313	455973.0456	21.5034	3.0731	3.0732	209.617	530.000	106.127	10.145	9.962	N47° 02' 09"E	N68° 52' 44"E
77	25+380.33	3155189.2313	455973.0456				27+155.43	3155827.0646	457024.2144				1770.082					N68° 52' 44"E	N68° 52' 44"E
78	27+155.43	3155827.0646	457024.2144	27+225.59	3155852.3462	457089.6615	27+295.28	3155890.1139	457148.7092	11.2680	2.2720	2.2721	139.854	700.000	70.160	3.507	3.490	N68° 52' 44"E	N57° 25' 54"E
79	27+295.28	3155890.1139	457148.7092				28+020.76	3156280.6443	458360.1887				725.482					N57° 25' 54"E	N57° 25' 54"E
80	28+020.76	3156280.6443	458360.1887	28+065.52	3156304.7395	458397.9113	28+110.19	3156324.4762	458438.0863	6.2418	2.0855	2.0855	89.429	800.000	44.761	1.251	1.249	N57° 25' 54"E	N63° 50' 12"E

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE
-----	----------------	------

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

SETTING OUT DATA

DESIGN BY :

SUNILA

DRAWN BY :

AKHTAR

CHECKED BY :

KHURAM

APPROVED BY :

RASHID

CAD FILE NAME :

ZI-FRAP/SOD/02

SHEET NO :

12 OF 04

SCALE :

N.T.S

DATE :

NOV. 2025

REVISION :

REV. 00

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

SOHBATPUR ROAD.																			
Number	PC STATION	PC NORTHING	PC EASTING	PI EXTENDED STATION	PI NORTHING	PI EASTING	PT STATION	PT NORTHING	PT EASTING	LC (Internal Angle of Curve)	D _a (Degree of Curvature by Arc)	D _c (Degree of Curvature by Chord)	L (Length of Curve)	R (Radius of Curve)	T (Tangent Length)	E (External Distance)	M (Mid Ordinate)	START BEARING	END BEARING
81	28+110.19	3156324.4762	459438.0863				29+228.95	3156817.7761	439442.2218				1118.763					N63° 50' 12"E	N63° 50' 12"E
82	29+228.95	3156817.7761	459442.2219	29+254.18	3156828.9007	459464.8657	29+279.40	3156841.1531	459486.9206	2.5326	1.4308	1.4308	30.449	1000.000	25.230	0.318	0.318	N63° 50' 12"E	N60° 56' 46"E
83	29+279.40	3156841.1531	459486.9206				29+514.08	3156955.1214	459602.0692				234.600					N60° 56' 46"E	N60° 56' 46"E
84	29+514.08	3156955.1214	459602.0692	29+536.99	3156966.2433	459712.0892	29+559.87	3156976.2017	459732.7126	3.3646	2.0855	2.0855	45.791	800.000	22.902	0.328	0.328	N60° 56' 46"E	N64° 13' 32"E
85	29+559.87	3156976.2017	459732.7126				30+079.89	3157202.3205	460205.9961				520.018					N64° 13' 32"E	N64° 13' 32"E
86	30+079.89	3157202.3205	460205.9961	30+153.47	3157234.3116	460267.2484	30+224.93	3157236.9207	460340.7739	23.4431	4.5440	4.5445	145.032	350.000	73.572	7.649	7.485	N64° 13' 32"E	N87° 58' 04"E
87	30+224.93	3157236.9207	460340.7739	30+269.09	3157238.4870	460384.9131	30+311.86	3157221.3192	460425.6069	24.5422	8.3540	8.3609	86.939	200.000	44.167	4.819	4.705	N87° 58' 04"E	S67° 07' 35"E
88	30+311.86	3157221.3192	460425.6069				32+060.85	3156541.4854	462037.0585				1748.986					S67° 07' 35"E	S67° 07' 35"E
89	32+060.85	3156541.4854	462037.0585	32+065.58	3156539.6464	462041.4174	32+070.31	3156537.7664	462045.7587	0.3232	1.4308	1.4308	9.462	1000.000	4.731	0.011	0.011	S67° 07' 35"E	S66° 35' 03"E
90	32+070.31	3156537.7664	462045.7587				32+325.82	3156436.2285	462280.2207				255.504					S66° 35' 03"E	S66° 35' 03"E
91	32+325.82	3156436.2285	462280.2207	32+331.35	3156434.0281	462285.3018	32+336.89	3156431.7844	462290.3639	0.2917	1.1920	1.1920	11.074	1300.000	5.537	0.012	0.012	S66° 35' 03"E	S66° 05' 46"E
92	32+336.89	3156431.7844	462290.3639				32+721.58	3156275.9062	462642.0578				384.690					S66° 05' 46"E	S66° 05' 46"E
93	32+721.58	3156275.9062	462642.0578	32+738.31	3156269.0471	462657.5353	32+755.43	3156262.5390	462673.1596	1.1735	1.0845	1.0845	33.853	1500.000	16.927	0.096	0.096	S66° 05' 46"E	S67° 23' 21"E
94	32+755.43	3156262.5390	462673.1596				32+882.12	3156213.8323	462790.1075				126.685					S67° 23' 21"E	S67° 23' 21"E
95	32+882.12	3156213.8323	462790.1075	32+887.88	3156211.8182	462795.4239	32+893.64	3156209.4654	462800.7654	0.3936	1.4308	1.4308	11.518	1000.000	5.759	0.017	0.017	S67° 23' 21"E	S68° 02' 57"E
96	32+893.64	3156209.4654	462800.7654				33+231.59	3156083.1357	463114.2153				337.950					S68° 02' 57"E	S68° 02' 57"E
97	33+231.59	3156083.1357	463114.2153	33+232.63	3156082.7442	463115.1868	33+233.68	3156082.3560	463116.1595	0.1200	2.5153	2.5154	2.095	600.000	1.047	0.001	0.001	S68° 02' 57"E	S68° 14' 57"E
98	33+233.68	3156082.3560	463116.1595				33+622.32	3155918.3365	463471.1311				308.841					S68° 14' 57"E	S68° 14' 57"E
99	33+622.32	3155918.3365	463471.1311	33+631.85	3155934.8060	463485.9000	33+641.38	3155931.3882	463494.8730	0.4340	1.0845	1.0845	19.054	1500.000	9.527	0.030	0.030	S68° 14' 57"E	S68° 58' 37"E
100	33+641.38	3155931.3882	463494.8730				34+116.45	3155760.9586	463938.3233				475.073					S68° 58' 37"E	S68° 58' 37"E

LEGEND

ABBREVIATION

SOHBATPUR ROAD.																			
Number	PC STATION	PC NORTHING	PC EASTING	PI EXTENDED STATION	PI NORTHING	PI EASTING	PT STATION	PT NORTHING	PT EASTING	LC (Internal Angle of Curve)	D _a (Degree of Curvature by Arc)	D _c (Degree of Curvature by Chord)	L (Length of Curve)	R (Radius of Curve)	T (Tangent Length)	E (External Distance)	M (Mid Ordinate)	START BEARING	END BEARING
101	34+116.45	3155760.9586	463938.3233	34+118.31	3155760.2908	463940.0609	34+120.17	3155759.6311	463941.8016	0.1600	2.0855	2.0855	3.723		1.861	0.002	0.002	S68° 58' 37"E	S69° 14' 37"E
102	34+120.17	3155759.6311	463941.8016				34+791.00	3155521.8930	464569.0881				670.826					S69° 14' 37"E	S69° 14' 37"E
103	34+791.00	3155521.8930	464569.0881	34+807.13	3155516.1775	464584.1689	34+823.25	3155509.9786	464599.0575	1.5052	1.4308	1.4308	32.252	1000.000	16.128	0.130	0.130	S69° 14' 37"E	S67° 23' 44"E
104	34+823.25	3155509.9786	464599.0575				35+034.33	3155428.8488	464793.9176				211.075					S67° 23' 44"E	S67° 23' 44"E
105	35+034.33	3155428.8488	464793.9176	35+043.50	3155424.5540	464804.2330	35+056.67	3155420.0297	464814.4499	1.1649	1.4308	1.4308	22.347	1000.000	11.174	0.062	0.062	S67° 23' 44"E	S66° 00' 55"E
106	35+056.67	3155420.0297	464814.4499				35+280.81	3155329.2780	465019.3905				224.135					S66° 00' 55"E	S66° 00' 55"E
107	35+280.81	3155329.2780	465019.3905	35+298.00	3155322.3177	465035.1066	35+315.17	3155316.4534	465051.2676	3.5617	3.2616	3.2618	34.367	500.000	17.190	0.295	0.295	S66° 00' 55"E	S70° 03' 12"E
108	35+315.17	3155316.4534	465051.2676				35+483.97	3155258.8707	465209.9340				168.793					S70° 03' 12"E	S70° 03' 12"E
109	35+483.97	3155258.8707	465209.9340	35+491.03	3155256.4620	465216.5720	35+498.09	3155254.2102	465223.2639	1.2054	2.5153	2.5154	14.121	600.000	7.061	0.042	0.042	S70° 03' 12"E	S71° 24' 07"E
110	35+498.09	3155254.2102	465223.2639				35+595.86	3155223.0273	465315.9318				97.774					S71° 24' 07"E	S71° 24' 07"E
111	35+595.86	3155223.0273	465315.9319	35+600.70	3155221.4847	465320.5162	35+605.54	3155219.9125	465325.0905	0.2210	1.0845	1.0845	9.674	1500.000	4.837	0.008	0.008	S71° 24' 07"E	S71° 01' 50"E
112	35+605.54	3155219.9125	465325.0905				36+098.20	3155809.7789	465791.0066				492.667					S71° 01' 50"E	S71° 01' 50"E
113	36+098.20	3155809.7789	465791.0066	36+112.82	3155805.0279	465804.8299	36+127.43	3155801.0925	465816.9071	3.2056	3.2616	3.2618	29.226	500.000	14.617	0.214	0.214	S71° 01' 50"E	S74° 22' 53"E
114	36+127.43	3155801.0925	465816.9071				36+337.89	3154994.4302	466021.5942				210.408					S74° 22' 53"E	S74° 22' 53"E
115	36+337.89	3154994.4302	466021.5942	36+350.22	3154991.1093	466033.4735	36+362.55	3154987.9842	466045.4079	0.5632	1.0845	1.0845	24.669	1500.000	12.335	0.051	0.051	S74° 22' 53"E	S75° 19' 25"E
116	36+362.55	3154987.9842	466045.4079				36+614.47	3154924.1598	466289.0997				251.913					S75° 19' 25"E	S75° 19' 25"E
117	36+614.47	3154924.1598	466289.0997	36+635.62	3154908.6670	466348.2542	36+736.53	3154902.3448	466409.0761	8.4431	2.0855	2.0855	122.062	800.000	61.158	2.334	2.327	S75° 19' 25"E	S84° 03' 56"E
118	36+736.53	3154902.3448	466409.0761				36+959.94	3154879.2474	466451.2841				223.485					S84° 03' 56"E	S84° 03' 56"E
119	36+959.94	3154879.2474	466451.2841	36+966.46	3154878.5729	466467.7723	36+972.98	3154878.0680	466464.2759	1.2942	3.2616	3.2618	13.046	500.000	6.523	0.043	0.043	S84° 03' 56"E	S85° 33' 38"E
120	36+972.98	3154878.0680	466464.2759				37+526.10	3154835.2542	467195.7337				553.117					S85° 33' 38"E	S85° 33' 38"E

REV	REVISION/ISSUE	DATE
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CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASB CONSULTANTS
PVT. LTD

DRAWING TITLE :

SETTING OUT DATA

DESIGN BY :

SUNILA

DRAWN BY :

AKHTAR

CHECKED BY :

KHURAM

APPROVED BY :

RASHID

SHEET NO :

10 OF 04

SCALE :

N.T.S

DATE :

NOV. 2025

REVISION :

REV. 00

CAD FILE NAME :

ZI-IFRAP/SOD/03

SOHBATPUR ROAD.																			
Number	PC STATION	PC NORTHING	PC EASTING	PI EXTENDED STATION	PI NORTHING	PI EASTING	PT STATION	PT NORTHING	PT EASTING	Ic (Internal Angle of Curve)	Da (Degree of Curvature by Arc)	Dc (Degree of Curvature by Chord)	L (Length of Curve)	R (Radius of Curve)	T (Tangent Length)	E (External Distance)	M (Mid Ordinate)	START BEARING	END BEARING
121	37+526.10	3154835.2542	467195.7337	37+532.95	3154834.7235	467202.5683	37+539.81	3154834.3805	467209.4148	1.3416	3.2618	3.2618	13.709	500.000	6.855	0.047	0.047	S85° 37' 38"E	S87° 07' 54"E
122	37+539.81	3154834.3805	467209.4148				37+625.47	3154830.0939	467294.9661				85.659					S87° 07' 54"E	S87° 07' 54"E
123	37+625.47	3154830.0939	467294.9661	37+634.48	3154829.6430	467303.9649	37+643.48	3154829.5167	467312.9742	2.0353	3.2616	3.2618	18.018	500.000	9.810	0.083	0.083	S87° 07' 54"E	S89° 11' 47"E
124	37+643.48	3154829.5167	467312.9742				37+918.20	3154825.6635	467587.6612				274.714					S89° 11' 47"E	S89° 11' 47"E
125	37+918.20	3154825.6635	467587.6612	37+985.59	3154824.7182	467655.0448	38+052.17	3154805.9669	467719.7736	15.2108	3.2616	3.2618	133.973	500.000	67.390	4.521	4.480	S89° 11' 47"E	S73° 30' 30"E
126	38+052.17	3154805.9669	467719.7736				38+094.82	3154794.1010	467760.7340				42.645					S73° 30' 30"E	S73° 30' 30"E

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
 Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:
 Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
 ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:

SETTING OUT DATA

DESIGN BY: SUNILA	SHEET NO: 04 OF 04
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI-IFRAP/SOD/04

STATION COORDINATE DATA

S.NO	STATION	NORTHING	EASTING
751	15+000.00	3,148,543.2332m	448,023.7187m
752	15+020.00	3,148,554.4738m	448,040.2611m
753	15+040.00	3,148,565.7144m	448,056.8034m
754	15+060.00	3,148,576.9550m	448,073.3457m
755	15+080.00	3,148,588.1956m	448,089.8881m
756	15+100.00	3,148,599.4362m	448,106.4304m
757	15+120.00	3,148,610.6768m	448,122.9728m
758	15+140.00	3,148,621.9174m	448,139.5151m
759	15+160.00	3,148,633.1580m	448,156.0574m
760	15+180.00	3,148,644.3986m	448,172.5998m
761	15+200.00	3,148,655.6392m	448,189.1421m
762	15+220.00	3,148,666.8798m	448,205.6845m
763	15+240.00	3,148,678.1204m	448,222.2268m
764	15+260.00	3,148,689.3610m	448,238.7691m
765	15+280.00	3,148,700.6016m	448,255.3115m
766	15+300.00	3,148,711.8422m	448,271.8538m
767	15+320.00	3,148,723.0828m	448,288.3961m
768	15+340.00	3,148,734.3234m	448,304.9385m
769	15+360.00	3,148,745.5640m	448,321.4808m
770	15+380.00	3,148,756.8046m	448,338.0232m
771	15+400.00	3,148,768.0452m	448,354.5655m
772	15+420.00	3,148,779.2858m	448,371.1078m
773	15+440.00	3,148,790.5264m	448,387.6502m
774	15+460.00	3,148,801.7670m	448,404.1925m
775	15+480.00	3,148,813.0076m	448,420.7349m
776	15+500.00	3,148,824.2482m	448,437.2772m
777	15+520.00	3,148,835.4888m	448,453.8195m
778	15+540.00	3,148,846.7294m	448,470.3619m
779	15+560.00	3,148,857.9700m	448,486.9042m
780	15+580.00	3,148,869.2106m	448,503.4465m
781	15+600.00	3,148,880.4511m	448,519.9889m
782	15+620.00	3,148,891.6917m	448,536.5312m
783	15+640.00	3,148,902.9323m	448,553.0736m
784	15+660.00	3,148,914.1729m	448,569.6159m
785	15+680.00	3,148,925.4135m	448,586.1582m
786	15+700.00	3,148,936.6541m	448,602.7006m
787	15+720.00	3,148,947.8947m	448,619.2429m
788	15+740.00	3,148,959.1353m	448,635.7853m
789	15+760.00	3,148,970.3759m	448,652.3276m
790	15+780.00	3,148,981.6165m	448,668.8699m
791	15+800.00	3,148,992.8571m	448,685.4123m
792	15+820.00	3,149,004.0977m	448,701.9546m
793	15+840.00	3,149,015.3383m	448,718.4970m
794	15+860.00	3,149,026.5789m	448,735.0393m
795	15+880.00	3,149,037.8195m	448,751.5816m
796	15+900.00	3,149,049.0601m	448,768.1240m
797	15+920.00	3,149,060.3007m	448,784.6663m
798	15+940.00	3,149,071.5413m	448,801.2086m
799	15+960.00	3,149,082.7819m	448,817.7510m
800	15+980.00	3,149,094.0225m	448,834.2933m

S.NO	STATION	NORTHING	EASTING
801	16+000.00	3,149,105.2631m	448,850.8357m
802	16+020.00	3,149,116.5037m	448,867.3780m
803	16+040.00	3,149,127.7443m	448,883.9203m
804	16+060.00	3,149,138.9849m	448,900.4627m
805	16+080.00	3,149,150.2255m	448,917.0050m
806	16+100.00	3,149,161.4661m	448,933.5474m
807	16+120.00	3,149,172.7067m	448,950.0897m
808	16+140.00	3,149,183.9473m	448,966.6320m
809	16+160.00	3,149,195.1879m	448,983.1744m
810	16+180.00	3,149,206.4285m	448,999.7167m
811	16+200.00	3,149,217.6691m	449,016.2590m
812	16+220.00	3,149,228.9097m	449,032.8014m
813	16+240.00	3,149,240.1503m	449,049.3437m
814	16+260.00	3,149,251.3909m	449,065.8861m
815	16+280.00	3,149,262.6315m	449,082.4284m
816	16+300.00	3,149,273.8721m	449,098.9707m
817	16+320.00	3,149,285.1127m	449,115.5131m
818	16+340.00	3,149,296.3533m	449,132.0554m
819	16+360.00	3,149,307.5939m	449,148.5978m
820	16+380.00	3,149,318.8345m	449,165.1401m
821	16+400.00	3,149,330.0751m	449,181.6824m
822	16+420.00	3,149,341.3157m	449,198.2248m
823	16+440.00	3,149,352.5563m	449,214.7671m
824	16+460.00	3,149,363.7968m	449,231.3094m
825	16+480.00	3,149,375.0374m	449,247.8518m
826	16+500.00	3,149,386.2780m	449,264.3941m
827	16+520.00	3,149,397.5186m	449,280.9365m
828	16+540.00	3,149,408.7592m	449,297.4788m
829	16+560.00	3,149,419.9998m	449,314.0211m
830	16+580.00	3,149,431.2404m	449,330.5635m
831	16+600.00	3,149,442.4810m	449,347.1058m
832	16+620.00	3,149,453.7216m	449,363.6482m
833	16+640.00	3,149,464.9622m	449,380.1905m
834	16+660.00	3,149,476.2028m	449,396.7328m
835	16+680.00	3,149,487.4434m	449,413.2752m
836	16+700.00	3,149,498.6840m	449,429.8175m
837	16+720.00	3,149,509.9246m	449,446.3598m
838	16+740.00	3,149,521.1652m	449,462.9022m
839	16+760.00	3,149,532.4058m	449,479.4445m
840	16+780.00	3,149,543.6464m	449,495.9869m
841	16+800.00	3,149,554.8870m	449,512.5292m
842	16+820.00	3,149,566.1276m	449,529.0715m
843	16+840.00	3,149,577.3682m	449,545.6139m
844	16+860.00	3,149,588.6088m	449,562.1562m
845	16+880.00	3,149,599.8494m	449,578.6986m
846	16+900.00	3,149,611.1225m	449,595.2188m
847	16+920.00	3,149,622.4315m	449,611.7144m
848	16+940.00	3,149,633.7405m	449,628.2101m
849	16+960.00	3,149,645.0495m	449,644.7057m
850	16+980.00	3,149,656.3585m	449,661.2014m

S.NO	STATION	NORTHING	EASTING
851	17+000.00	3,149,667.6675m	449,677.6970m
852	17+020.00	3,149,678.9765m	449,694.1927m
853	17+040.00	3,149,690.2855m	449,710.6883m
854	17+060.00	3,149,701.5945m	449,727.1840m
855	17+080.00	3,149,712.9035m	449,743.6796m
856	17+100.00	3,149,724.2125m	449,760.1753m
857	17+120.00	3,149,735.5215m	449,776.6709m
858	17+140.00	3,149,746.8305m	449,793.1666m
859	17+160.00	3,149,758.1395m	449,809.6622m
860	17+180.00	3,149,769.4485m	449,826.1579m
861	17+200.00	3,149,780.7575m	449,842.6535m
862	17+220.00	3,149,792.0588m	449,859.1544m
863	17+240.00	3,149,803.1687m	449,875.7847m
864	17+260.00	3,149,814.2338m	449,892.4449m
865	17+280.00	3,149,825.2989m	449,909.1052m
866	17+300.00	3,149,836.3640m	449,925.7654m
867	17+320.00	3,149,847.4291m	449,942.4256m
868	17+340.00	3,149,858.4942m	449,959.0859m
869	17+360.00	3,149,869.5593m	449,975.7461m
870	17+380.00	3,149,880.6244m	449,992.4064m
871	17+400.00	3,149,891.6987m	450,009.0604m
872	17+420.00	3,149,902.9899m	450,025.5682m
873	17+440.00	3,149,914.2934m	450,042.0677m
874	17+460.00	3,149,925.5969m	450,058.5671m
875	17+480.00	3,149,936.9004m	450,075.0665m
876	17+500.00	3,149,948.2038m	450,091.5660m
877	17+520.00	3,149,959.5073m	450,108.0654m
878	17+540.00	3,149,970.8108m	450,124.5648m
879	17+560.00	3,149,982.1143m	450,141.0643m
880	17+580.00	3,149,993.4178m	450,157.5637m
881	17+600.00	3,150,004.7213m	450,174.0631m
882	17+620.00	3,150,016.0248m	450,190.5626m
883	17+640.00	3,150,027.3282m	450,207.0620m
884	17+660.00	3,150,038.6317m	450,223.5614m
885	17+680.00	3,150,049.9352m	450,240.0608m
886	17+700.00	3,150,061.2387m	450,256.5603m
887	17+720.00	3,150,072.5422m	450,273.0597m
888	17+740.00	3,150,083.8520m	450,289.5548m
889	17+760.00	3,150,095.5726m	450,305.7589m
890	17+780.00	3,150,107.9318m	450,321.4814m
891	17+800.00	3,150,120.8140m	450,336.7796m
892	17+820.00	3,150,133.7550m	450,352.0286m
893	17+840.00	3,150,146.6959m	450,367.2776m
894	17+860.00	3,150,159.6563m	450,382.5100m
895	17+880.00	3,150,172.8567m	450,397.5346m
896	17+900.00	3,150,186.3255m	450,412.3192m
897	17+920.00	3,150,199.8395m	450,427.0628m
898	17+940.00	3,150,213.3535m	450,441.8064m
899	17+960.00	3,150,226.8674m	450,456.5499m
900	17+980.00	3,150,240.3814m	450,471.2935m

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Axis Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASBI CONSULTANTS
PVT. LTD

DRAWING TITLE :
STATION COORDINATE
DATA

DESIGN BY : SUNILA	SHEET NO : 06 OF 13
DRAWN BY : AKHTAR	SCALE : N.T.S
CHECKED BY : KHURAM	DATE : NOV. 2025
APPROVED BY : RASHID	REVISION : REV. 00

CAD FILE NAME :
ZI-IFRAP/SCD/06

S.NO	STATION	NORTHING	EASTING
901	18+000.00	3,150,253.8954m	450,486.0371m
902	18+020.00	3,150,267.4093m	450,500.7806m
903	18+040.00	3,150,280.9233m	450,515.5242m
904	18+060.00	3,150,294.4373m	450,530.2677m
905	18+080.00	3,150,307.9513m	450,545.0113m
906	18+100.00	3,150,321.4652m	450,559.7549m
907	18+120.00	3,150,334.9792m	450,574.4984m
908	18+140.00	3,150,348.4932m	450,589.2420m
909	18+160.00	3,150,362.0071m	450,603.9855m
910	18+180.00	3,150,375.5211m	450,618.7291m
911	18+200.00	3,150,389.0351m	450,633.4727m
912	18+220.00	3,150,402.5490m	450,648.2162m
913	18+240.00	3,150,416.0630m	450,662.9598m
914	18+260.00	3,150,429.5770m	450,677.7033m
915	18+280.00	3,150,443.0910m	450,692.4469m
916	18+300.00	3,150,456.6049m	450,707.1905m
917	18+320.00	3,150,470.1189m	450,721.9340m
918	18+340.00	3,150,483.6329m	450,736.6776m
919	18+360.00	3,150,497.1468m	450,751.4211m
920	18+380.00	3,150,510.6608m	450,766.1647m
921	18+400.00	3,150,524.1748m	450,780.9083m
922	18+420.00	3,150,537.6888m	450,795.6518m
923	18+440.00	3,150,551.2027m	450,810.3954m
924	18+460.00	3,150,564.7167m	450,825.1389m
925	18+480.00	3,150,578.2307m	450,839.8825m
926	18+500.00	3,150,591.7446m	450,854.6261m
927	18+520.00	3,150,605.2586m	450,869.3696m
928	18+540.00	3,150,618.7224m	450,884.1589m
929	18+560.00	3,150,632.1214m	450,899.0071m
930	18+580.00	3,150,645.5203m	450,913.8553m
931	18+600.00	3,150,658.9192m	450,928.7035m
932	18+620.00	3,150,672.3181m	450,943.5517m
933	18+640.00	3,150,685.7170m	450,958.3999m
934	18+660.00	3,150,699.1159m	450,973.2481m
935	18+680.00	3,150,712.5148m	450,988.0963m
936	18+700.00	3,150,725.9137m	451,002.9446m
937	18+720.00	3,150,739.3126m	451,017.7928m
938	18+740.00	3,150,752.7115m	451,032.6410m
939	18+760.00	3,150,766.1104m	451,047.4892m
940	18+780.00	3,150,779.5094m	451,062.3374m
941	18+800.00	3,150,792.9083m	451,077.1856m
942	18+820.00	3,150,806.3072m	451,092.0338m
943	18+840.00	3,150,819.7061m	451,106.8820m
944	18+860.00	3,150,833.1050m	451,121.7302m
945	18+880.00	3,150,846.5039m	451,136.5784m
946	18+900.00	3,150,859.9028m	451,151.4266m
947	18+920.00	3,150,873.3017m	451,166.2748m
948	18+940.00	3,150,886.7006m	451,181.1230m
949	18+960.00	3,150,900.0995m	451,195.9712m
950	18+980.00	3,150,913.4984m	451,210.8194m

S.NO	STATION	NORTHING	EASTING
951	19+000.00	3,150,926.8974m	451,225.6676m
952	19+020.00	3,150,940.2963m	451,240.5159m
953	19+040.00	3,150,953.6952m	451,255.3641m
954	19+060.00	3,150,967.0941m	451,270.2123m
955	19+080.00	3,150,980.4930m	451,285.0605m
956	19+100.00	3,150,993.8919m	451,299.9087m
957	19+120.00	3,151,007.2908m	451,314.7569m
958	19+140.00	3,151,020.6897m	451,329.6051m
959	19+160.00	3,151,034.0886m	451,344.4533m
960	19+180.00	3,151,047.4875m	451,359.3015m
961	19+200.00	3,151,060.8864m	451,374.1497m
962	19+220.00	3,151,074.2854m	451,388.9979m
963	19+240.00	3,151,087.6843m	451,403.8461m
964	19+260.00	3,151,101.0832m	451,418.6943m
965	19+280.00	3,151,114.4821m	451,433.5425m
966	19+300.00	3,151,127.8810m	451,448.3907m
967	19+320.00	3,151,141.2799m	451,463.2389m
968	19+340.00	3,151,154.6788m	451,478.0872m
969	19+360.00	3,151,168.0777m	451,492.9354m
970	19+380.00	3,151,181.4766m	451,507.7836m
971	19+400.00	3,151,194.8755m	451,522.6318m
972	19+420.00	3,151,208.2744m	451,537.4800m
973	19+440.00	3,151,221.6734m	451,552.3282m
974	19+460.00	3,151,235.0723m	451,567.1764m
975	19+480.00	3,151,248.4712m	451,582.0246m
976	19+500.00	3,151,261.8701m	451,596.8728m
977	19+520.00	3,151,275.2690m	451,611.7210m
978	19+540.00	3,151,288.6679m	451,626.5692m
979	19+560.00	3,151,302.0668m	451,641.4174m
980	19+580.00	3,151,315.4657m	451,656.2656m
981	19+600.00	3,151,328.8646m	451,671.1138m
982	19+620.00	3,151,342.2635m	451,685.9620m
983	19+640.00	3,151,355.6624m	451,700.8103m
984	19+660.00	3,151,369.0614m	451,715.6585m
985	19+680.00	3,151,382.4603m	451,730.5067m
986	19+700.00	3,151,395.8592m	451,745.3549m
987	19+720.00	3,151,409.2581m	451,760.2031m
988	19+740.00	3,151,422.6570m	451,775.0513m
989	19+760.00	3,151,436.0559m	451,789.8995m
990	19+780.00	3,151,449.4548m	451,804.7477m
991	19+800.00	3,151,462.8537m	451,819.5959m
992	19+820.00	3,151,476.2526m	451,834.4441m
993	19+840.00	3,151,489.6515m	451,849.2923m
994	19+860.00	3,151,503.0504m	451,864.1405m
995	19+880.00	3,151,516.4494m	451,878.9887m
996	19+900.00	3,151,529.8483m	451,893.8369m
997	19+920.00	3,151,543.2472m	451,908.6851m
998	19+940.00	3,151,556.6461m	451,923.5333m
999	19+960.00	3,151,570.0450m	451,938.3816m
1000	19+980.00	3,151,583.4439m	451,953.2298m

S.NO	STATION	NORTHING	EASTING
1001	20+000.00	3,151,596.8428m	451,968.0780m
1002	20+020.00	3,151,610.2417m	451,982.9262m
1003	20+040.00	3,151,623.6406m	451,997.7744m
1004	20+060.00	3,151,637.0395m	452,012.6226m
1005	20+080.00	3,151,650.4385m	452,027.4708m
1006	20+100.00	3,151,663.8374m	452,042.3190m
1007	20+120.00	3,151,677.2363m	452,057.1672m
1008	20+140.00	3,151,690.6352m	452,072.0154m
1009	20+160.00	3,151,704.0341m	452,086.8636m
1010	20+180.00	3,151,717.4330m	452,101.7118m
1011	20+200.00	3,151,730.8319m	452,116.5600m
1012	20+220.00	3,151,744.2308m	452,131.4082m
1013	20+240.00	3,151,757.6297m	452,146.2564m
1014	20+260.00	3,151,771.0286m	452,161.1047m
1015	20+280.00	3,151,784.4275m	452,175.9529m
1016	20+300.00	3,151,797.8265m	452,190.8011m
1017	20+320.00	3,151,811.2254m	452,205.6493m
1018	20+340.00	3,151,824.6243m	452,220.4975m
1019	20+360.00	3,151,838.0232m	452,235.3457m
1020	20+380.00	3,151,851.4221m	452,250.1939m
1021	20+400.00	3,151,864.8210m	452,265.0421m
1022	20+420.00	3,151,878.2199m	452,279.8903m
1023	20+440.00	3,151,891.6188m	452,294.7385m
1024	20+460.00	3,151,905.0177m	452,309.5867m
1025	20+480.00	3,151,918.4166m	452,324.4349m
1026	20+500.00	3,151,931.8155m	452,339.2831m
1027	20+520.00	3,151,945.2145m	452,354.1313m
1028	20+540.00	3,151,958.6134m	452,368.9795m
1029	20+560.00	3,151,972.0123m	452,383.8277m
1030	20+580.00	3,151,985.4112m	452,398.6760m
1031	20+600.00	3,151,998.8101m	452,413.5242m
1032	20+620.00	3,152,012.2090m	452,428.3724m
1033	20+640.00	3,152,025.6079m	452,443.2206m
1034	20+660.00	3,152,039.0068m	452,458.0688m
1035	20+680.00	3,152,052.4057m	452,472.9170m
1036	20+700.00	3,152,065.8046m	452,487.7652m
1037	20+720.00	3,152,079.2035m	452,502.6134m
1038	20+740.00	3,152,092.6025m	452,517.4616m
1039	20+760.00	3,152,106.0014m	452,532.3098m
1040	20+780.00	3,152,119.4003m	452,547.1580m
1041	20+800.00	3,152,132.7992m	452,562.0062m
1042	20+820.00	3,152,146.1981m	452,576.8544m
1043	20+840.00	3,152,159.5970m	452,591.7026m
1044	20+860.00	3,152,172.9959m	452,606.5508m
1045	20+880.00	3,152,186.3948m	452,621.3990m
1046	20+900.00	3,152,199.7937m	452,636.2473m
1047	20+920.00	3,152,213.1926m	452,651.0955m
1048	20+940.00	3,152,226.5915m	452,665.9437m
1049	20+960.00	3,152,239.9905m	452,680.7919m
1050	20+980.00	3,152,253.3894m	452,695.6401m

NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.	
LEGEND	
ABBREVIATION	
REV	REVISION/ISSUE
CLIENT: Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component 1	
PROJECT: Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT: ZEERUK INTERNATIONAL (PVT) LTD. 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 011-2224215-16, FAX: 011-2224217 KASBI CONSULTANTS PVT. LTD.	
DRAWING TITLE	
STATION COORDINATE DATA	
DESIGN BY:	SHEET NO:
SUNILA	07/013
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00
CADD FILE NAME:	
ZI-FRAP/SCD/07	

S.NO	STATION	NORTHING	EASTING
1051	21+000.00	3,152,266.7883m	452,710.4883m
1052	21+020.00	3,152,280.1872m	452,725.3365m
1053	21+040.00	3,152,293.5861m	452,740.1847m
1054	21+060.00	3,152,306.9850m	452,755.0329m
1055	21+080.00	3,152,320.3839m	452,769.8811m
1056	21+100.00	3,152,333.7828m	452,784.7293m
1057	21+120.00	3,152,347.1817m	452,799.5775m
1058	21+140.00	3,152,360.5806m	452,814.4257m
1059	21+160.00	3,152,373.9795m	452,829.2739m
1060	21+180.00	3,152,387.3785m	452,844.1221m
1061	21+200.00	3,152,400.7774m	452,858.9704m
1062	21+220.00	3,152,414.1763m	452,873.8186m
1063	21+240.00	3,152,427.5752m	452,888.6668m
1064	21+260.00	3,152,440.9741m	452,903.5150m
1065	21+280.00	3,152,454.3730m	452,918.3632m
1066	21+300.00	3,152,467.7719m	452,933.2114m
1067	21+320.00	3,152,481.1708m	452,948.0596m
1068	21+340.00	3,152,494.5697m	452,962.9078m
1069	21+360.00	3,152,507.9686m	452,977.7560m
1070	21+380.00	3,152,521.3675m	452,992.6042m
1071	21+400.00	3,152,534.7665m	453,007.4524m
1072	21+420.00	3,152,548.1654m	453,022.3006m
1073	21+440.00	3,152,561.5643m	453,037.1488m
1074	21+460.00	3,152,574.9632m	453,051.9970m
1075	21+480.00	3,152,588.3621m	453,066.8452m
1076	21+500.00	3,152,601.7610m	453,081.6934m
1077	21+520.00	3,152,615.1599m	453,096.5417m
1078	21+540.00	3,152,628.5588m	453,111.3899m
1079	21+560.00	3,152,641.9577m	453,126.2381m
1080	21+580.00	3,152,655.3566m	453,141.0863m
1081	21+600.00	3,152,668.7555m	453,155.9345m
1082	21+620.00	3,152,682.1545m	453,170.7827m
1083	21+640.00	3,152,695.5534m	453,185.6309m
1084	21+660.00	3,152,708.9523m	453,200.4791m
1085	21+680.00	3,152,722.3512m	453,215.3273m
1086	21+700.00	3,152,735.7501m	453,230.1755m
1087	21+720.00	3,152,749.1490m	453,245.0237m
1088	21+740.00	3,152,762.5479m	453,259.8719m
1089	21+760.00	3,152,775.9468m	453,274.7201m
1090	21+780.00	3,152,789.3457m	453,289.5683m
1091	21+800.00	3,152,802.7446m	453,304.4165m
1092	21+820.00	3,152,816.1435m	453,319.2648m
1093	21+840.00	3,152,829.5425m	453,334.1130m
1094	21+860.00	3,152,842.9414m	453,348.9612m
1095	21+880.00	3,152,856.3403m	453,363.8094m
1096	21+900.00	3,152,869.7392m	453,378.6576m
1097	21+920.00	3,152,883.1381m	453,393.5058m
1098	21+940.00	3,152,896.5370m	453,408.3540m
1099	21+960.00	3,152,909.9359m	453,423.2022m
1100	21+980.00	3,152,923.3348m	453,438.0504m

S.NO	STATION	NORTHING	EASTING
1101	22+000.00	3,152,936.7337m	453,452.8986m
1102	22+020.00	3,152,950.1326m	453,467.7468m
1103	22+040.00	3,152,963.5315m	453,482.5950m
1104	22+060.00	3,152,976.9305m	453,497.4432m
1105	22+080.00	3,152,990.3294m	453,512.2914m
1106	22+100.00	3,153,003.7283m	453,527.1396m
1107	22+120.00	3,153,017.1272m	453,541.9878m
1108	22+140.00	3,153,030.5261m	453,556.8361m
1109	22+160.00	3,153,043.9250m	453,571.6843m
1110	22+180.00	3,153,057.3239m	453,586.5325m
1111	22+200.00	3,153,070.7228m	453,601.3807m
1112	22+220.00	3,153,084.1217m	453,616.2289m
1113	22+240.00	3,153,097.5206m	453,631.0771m
1114	22+260.00	3,153,110.9195m	453,645.9253m
1115	22+280.00	3,153,124.3185m	453,660.7735m
1116	22+300.00	3,153,137.7174m	453,675.6217m
1117	22+320.00	3,153,151.1163m	453,690.4699m
1118	22+340.00	3,153,164.5152m	453,705.3181m
1119	22+360.00	3,153,177.9141m	453,720.1663m
1120	22+380.00	3,153,191.3130m	453,735.0145m
1121	22+400.00	3,153,204.7119m	453,749.8627m
1122	22+420.00	3,153,218.1108m	453,764.7109m
1123	22+440.00	3,153,231.5097m	453,779.5591m
1124	22+460.00	3,153,244.9086m	453,794.4074m
1125	22+480.00	3,153,258.3075m	453,809.2556m
1126	22+500.00	3,153,271.7065m	453,824.1038m
1127	22+520.00	3,153,285.1054m	453,838.9520m
1128	22+540.00	3,153,298.5043m	453,853.8002m
1129	22+560.00	3,153,311.9032m	453,868.6484m
1130	22+580.00	3,153,325.3021m	453,883.4966m
1131	22+600.00	3,153,338.7010m	453,898.3448m
1132	22+620.00	3,153,352.0999m	453,913.1930m
1133	22+640.00	3,153,365.4988m	453,928.0412m
1134	22+660.00	3,153,378.8977m	453,942.8894m
1135	22+680.00	3,153,392.2966m	453,957.7376m
1136	22+700.00	3,153,405.6955m	453,972.5858m
1137	22+720.00	3,153,419.0945m	453,987.4340m
1138	22+740.00	3,153,432.4934m	454,002.2822m
1139	22+760.00	3,153,445.8923m	454,017.1305m
1140	22+780.00	3,153,459.2912m	454,031.9787m
1141	22+800.00	3,153,472.6901m	454,046.8269m
1142	22+820.00	3,153,486.0890m	454,061.6751m
1143	22+840.00	3,153,499.4879m	454,076.5233m
1144	22+860.00	3,153,512.8868m	454,091.3715m
1145	22+880.00	3,153,526.2857m	454,106.2197m
1146	22+900.00	3,153,539.6846m	454,121.0679m
1147	22+920.00	3,153,553.0836m	454,135.9161m
1148	22+940.00	3,153,566.4825m	454,150.7643m
1149	22+960.00	3,153,579.8814m	454,165.6125m
1150	22+980.00	3,153,593.2803m	454,180.4607m

S.NO	STATION	NORTHING	EASTING
1151	23+000.00	3,153,606.6792m	454,195.3089m
1152	23+020.00	3,153,620.0781m	454,210.1571m
1153	23+040.00	3,153,633.4770m	454,225.0053m
1154	23+060.00	3,153,646.8759m	454,239.8535m
1155	23+080.00	3,153,660.2748m	454,254.7018m
1156	23+100.00	3,153,673.6737m	454,269.5500m
1157	23+120.00	3,153,687.0726m	454,284.3982m
1158	23+140.00	3,153,700.4716m	454,299.2464m
1159	23+160.00	3,153,713.8705m	454,314.0946m
1160	23+180.00	3,153,727.2694m	454,328.9428m
1161	23+200.00	3,153,740.6683m	454,343.7910m
1162	23+220.00	3,153,754.0672m	454,358.6392m
1163	23+240.00	3,153,767.4661m	454,373.4874m
1164	23+260.00	3,153,780.8650m	454,388.3356m
1165	23+280.00	3,153,794.2639m	454,403.1838m
1166	23+300.00	3,153,807.6628m	454,418.0320m
1167	23+320.00	3,153,821.0617m	454,432.8802m
1168	23+340.00	3,153,834.4606m	454,447.7284m
1169	23+360.00	3,153,847.8596m	454,462.5766m
1170	23+380.00	3,153,861.2585m	454,477.4249m
1171	23+400.00	3,153,874.6574m	454,492.2731m
1172	23+420.00	3,153,888.0563m	454,507.1213m
1173	23+440.00	3,153,901.4552m	454,521.9695m
1174	23+460.00	3,153,914.8541m	454,536.8177m
1175	23+480.00	3,153,928.2530m	454,551.6659m
1176	23+500.00	3,153,941.6519m	454,566.5141m
1177	23+520.00	3,153,955.0508m	454,581.3623m
1178	23+540.00	3,153,968.4497m	454,596.2105m
1179	23+560.00	3,153,981.8486m	454,611.0587m
1180	23+580.00	3,153,995.2476m	454,625.9069m
1181	23+600.00	3,154,008.6465m	454,640.7551m
1182	23+620.00	3,154,022.0454m	454,655.6033m
1183	23+640.00	3,154,035.4443m	454,670.4515m
1184	23+660.00	3,154,048.8432m	454,685.2997m
1185	23+680.00	3,154,062.2421m	454,700.1479m
1186	23+700.00	3,154,075.6410m	454,714.9962m
1187	23+720.00	3,154,089.0399m	454,729.8444m
1188	23+740.00	3,154,102.4388m	454,744.6926m
1189	23+760.00	3,154,115.8377m	454,759.5408m
1190	23+780.00	3,154,129.2366m	454,774.3890m
1191	23+800.00	3,154,142.6356m	454,789.2372m
1192	23+820.00	3,154,156.0345m	454,804.0854m
1193	23+840.00	3,154,169.4334m	454,818.9336m
1194	23+860.00	3,154,182.8323m	454,833.7818m
1195	23+880.00	3,154,196.2312m	454,848.6300m
1196	23+900.00	3,154,209.6301m	454,863.4782m
1197	23+920.00	3,154,223.0290m	454,878.3264m
1198	23+940.00	3,154,236.4279m	454,893.1746m
1199	23+960.00	3,154,249.8268m	454,908.0228m
1200	23+980.00	3,154,263.2257m	454,922.8710m

NOTES 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.	
LEGEND	
ABBREVIATION	
REV	REVISION/ISSUE DATE
CLIENT :  Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component 1	
PROJECT :  Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT :  ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Axis Square Plaza, F-11 Markaz, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASBI CONSULTANTS PVT. LTD	
DRAWING TITLE	
STATION COORDINATE DATA	
DESIGN BY:	SHEET NO:
SUNILA	06/013
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00
CADD FILE NAME:	
ZI-IFRAP/SCD/08	

S.NO	STATION	NORTHING	EASTING
1201	24+000.00	3,154,276.6246m	454,937.7192m
1202	24+020.00	3,154,290.0236m	454,952.5675m
1203	24+040.00	3,154,303.4225m	454,967.4157m
1204	24+060.00	3,154,316.8214m	454,982.2639m
1205	24+080.00	3,154,330.2203m	454,997.1121m
1206	24+100.00	3,154,343.6192m	455,011.9603m
1207	24+120.00	3,154,357.0181m	455,026.8085m
1208	24+140.00	3,154,370.4170m	455,041.6567m
1209	24+160.00	3,154,383.8159m	455,056.5049m
1210	24+180.00	3,154,397.2148m	455,071.3531m
1211	24+200.00	3,154,410.5307m	455,086.2752m
1212	24+220.00	3,154,423.3135m	455,101.6554m
1213	24+240.00	3,154,436.2091m	455,116.9410m
1214	24+260.00	3,154,449.7056m	455,131.6988m
1215	24+280.00	3,154,463.7505m	455,145.9364m
1216	24+300.00	3,154,477.5569m	455,160.4046m
1217	24+320.00	3,154,491.0473m	455,175.1698m
1218	24+340.00	3,154,504.5371m	455,189.9354m
1219	24+360.00	3,154,518.0269m	455,204.7011m
1220	24+380.00	3,154,531.5168m	455,219.4667m
1221	24+400.00	3,154,545.0066m	455,234.2323m
1222	24+420.00	3,154,558.4965m	455,248.9980m
1223	24+440.00	3,154,571.9863m	455,263.7636m
1224	24+460.00	3,154,585.4762m	455,278.5293m
1225	24+480.00	3,154,598.9660m	455,293.2949m
1226	24+500.00	3,154,612.4558m	455,308.0605m
1227	24+520.00	3,154,625.8198m	455,322.9393m
1228	24+540.00	3,154,638.8452m	455,338.1162m
1229	24+560.00	3,154,651.8550m	455,353.3065m
1230	24+580.00	3,154,664.8647m	455,368.4969m
1231	24+600.00	3,154,677.8745m	455,383.6872m
1232	24+620.00	3,154,690.8842m	455,398.8776m
1233	24+640.00	3,154,703.8940m	455,414.0679m
1234	24+660.00	3,154,716.9037m	455,429.2582m
1235	24+680.00	3,154,729.9135m	455,444.4486m
1236	24+700.00	3,154,742.9232m	455,459.6389m
1237	24+720.00	3,154,755.9890m	455,474.7808m
1238	24+740.00	3,154,769.3906m	455,489.6259m
1239	24+760.00	3,154,783.1590m	455,504.1314m
1240	24+780.00	3,154,797.2858m	455,518.2882m
1241	24+800.00	3,154,811.6663m	455,532.1878m
1242	24+820.00	3,154,826.0582m	455,546.0757m
1243	24+840.00	3,154,840.4501m	455,559.9636m
1244	24+860.00	3,154,854.8419m	455,573.8515m
1245	24+880.00	3,154,869.2338m	455,587.7394m
1246	24+900.00	3,154,883.6257m	455,601.6273m
1247	24+920.00	3,154,897.9784m	455,615.5556m
1248	24+940.00	3,154,912.2852m	455,629.5311m
1249	24+960.00	3,154,926.5921m	455,643.5066m
1250	24+980.00	3,154,940.8990m	455,657.4820m

S.NO	STATION	NORTHING	EASTING
1251	25+000.00	3,154,955.2058m	455,671.4575m
1252	25+020.00	3,154,969.5127m	455,685.4330m
1253	25+040.00	3,154,983.8196m	455,699.4084m
1254	25+060.00	3,154,998.1264m	455,713.3839m
1255	25+080.00	3,155,012.4333m	455,727.3593m
1256	25+100.00	3,155,026.6074m	455,741.4683m
1257	25+120.00	3,155,040.4453m	455,755.9081m
1258	25+140.00	3,155,054.2768m	455,770.3543m
1259	25+160.00	3,155,067.9811m	455,784.9207m
1260	25+180.00	3,155,081.5994m	455,799.5679m
1261	25+200.00	3,155,094.8435m	455,814.5529m
1262	25+220.00	3,155,107.5340m	455,830.0094m
1263	25+240.00	3,155,119.6543m	455,845.9171m
1264	25+260.00	3,155,131.1882m	455,862.2550m
1265	25+280.00	3,155,142.1205m	455,879.0014m
1266	25+300.00	3,155,152.4367m	455,896.1341m
1267	25+320.00	3,155,162.1233m	455,913.6306m
1268	25+340.00	3,155,171.1673m	455,931.4676m
1269	25+360.00	3,155,179.5569m	455,949.6217m
1270	25+380.00	3,155,187.2810m	455,968.0688m
1271	25+400.00	3,155,194.5120m	455,986.7158m
1272	25+420.00	3,155,201.7188m	456,005.3722m
1273	25+440.00	3,155,208.9257m	456,024.0286m
1274	25+460.00	3,155,216.1325m	456,042.6850m
1275	25+480.00	3,155,223.3393m	456,061.3414m
1276	25+500.00	3,155,230.5461m	456,079.9978m
1277	25+520.00	3,155,237.7529m	456,098.6543m
1278	25+540.00	3,155,244.9598m	456,117.3107m
1279	25+560.00	3,155,252.1666m	456,135.9671m
1280	25+580.00	3,155,259.3734m	456,154.6235m
1281	25+600.00	3,155,266.5802m	456,173.2799m
1282	25+620.00	3,155,273.7871m	456,191.9363m
1283	25+640.00	3,155,280.9939m	456,210.5927m
1284	25+660.00	3,155,288.2007m	456,229.2491m
1285	25+680.00	3,155,295.4075m	456,247.9055m
1286	25+700.00	3,155,302.6143m	456,266.5620m
1287	25+720.00	3,155,309.8212m	456,285.2184m
1288	25+740.00	3,155,317.0280m	456,303.8748m
1289	25+760.00	3,155,324.2348m	456,322.5312m
1290	25+780.00	3,155,331.4416m	456,341.1876m
1291	25+800.00	3,155,338.6484m	456,359.8440m
1292	25+820.00	3,155,345.8553m	456,378.5004m
1293	25+840.00	3,155,353.0621m	456,397.1568m
1294	25+860.00	3,155,360.2689m	456,415.8133m
1295	25+880.00	3,155,367.4757m	456,434.4697m
1296	25+900.00	3,155,374.6826m	456,453.1261m
1297	25+920.00	3,155,381.8894m	456,471.7825m
1298	25+940.00	3,155,389.0962m	456,490.4389m
1299	25+960.00	3,155,396.3030m	456,509.0953m
1300	25+980.00	3,155,403.5098m	456,527.7517m

S.NO	STATION	NORTHING	EASTING
1301	26+000.00	3,155,410.7167m	456,546.4081m
1302	26+020.00	3,155,417.9235m	456,565.0646m
1303	26+040.00	3,155,425.1303m	456,583.7210m
1304	26+060.00	3,155,432.3371m	456,602.3774m
1305	26+080.00	3,155,439.5440m	456,621.0338m
1306	26+100.00	3,155,446.7508m	456,639.6902m
1307	26+120.00	3,155,453.9576m	456,658.3466m
1308	26+140.00	3,155,461.1644m	456,677.0030m
1309	26+160.00	3,155,468.3712m	456,695.6594m
1310	26+180.00	3,155,475.5781m	456,714.3159m
1311	26+200.00	3,155,482.7849m	456,732.9723m
1312	26+220.00	3,155,489.9917m	456,751.6287m
1313	26+240.00	3,155,497.1985m	456,770.2851m
1314	26+260.00	3,155,504.4054m	456,788.9415m
1315	26+280.00	3,155,511.6122m	456,807.5979m
1316	26+300.00	3,155,518.8190m	456,826.2543m
1317	26+320.00	3,155,526.0258m	456,844.9107m
1318	26+340.00	3,155,533.2326m	456,863.5672m
1319	26+360.00	3,155,540.4395m	456,882.2236m
1320	26+380.00	3,155,547.6463m	456,900.8800m
1321	26+400.00	3,155,554.8531m	456,919.5364m
1322	26+420.00	3,155,562.0599m	456,938.1928m
1323	26+440.00	3,155,569.2668m	456,956.8492m
1324	26+460.00	3,155,576.4736m	456,975.5056m
1325	26+480.00	3,155,583.6804m	456,994.1620m
1326	26+500.00	3,155,590.8872m	457,012.8184m
1327	26+520.00	3,155,598.0940m	457,031.4749m
1328	26+540.00	3,155,605.3009m	457,050.1313m
1329	26+560.00	3,155,612.5077m	457,068.7877m
1330	26+580.00	3,155,619.7145m	457,087.4441m
1331	26+600.00	3,155,626.9213m	457,106.1005m
1332	26+620.00	3,155,634.1281m	457,124.7569m
1333	26+640.00	3,155,641.3350m	457,143.4133m
1334	26+660.00	3,155,648.5418m	457,162.0697m
1335	26+680.00	3,155,655.7486m	457,180.7262m
1336	26+700.00	3,155,662.9554m	457,199.3826m
1337	26+720.00	3,155,670.1623m	457,218.0390m
1338	26+740.00	3,155,677.3691m	457,236.6954m
1339	26+760.00	3,155,684.5759m	457,255.3518m
1340	26+780.00	3,155,691.7827m	457,274.0082m
1341	26+800.00	3,155,698.9895m	457,292.6646m
1342	26+820.00	3,155,706.1964m	457,311.3210m
1343	26+840.00	3,155,713.4032m	457,329.9775m
1344	26+860.00	3,155,720.6100m	457,348.6339m
1345	26+880.00	3,155,727.8168m	457,367.2903m
1346	26+900.00	3,155,735.0237m	457,385.9467m
1347	26+920.00	3,155,742.2305m	457,404.6031m
1348	26+940.00	3,155,749.4373m	457,423.2595m
1349	26+960.00	3,155,756.6441m	457,441.9159m
1350	26+980.00	3,155,763.8509m	457,460.5723m

NOTES 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.	
LEGEND	
ABBREVIATION	
REV	REVISION/ISSUE
DATE	
CLIENT :	
Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component 1	
PROJECT :	
Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT :	
ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASBI CONSULTANTS PVT. LTD	
DRAWING TITLE :	
STATION COORDINATE DATA	
DESIGN BY :	SHEET NO :
SUNILA	09/013
DRAWN BY :	SCALE :
AKHTAR	N.T.S
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 00
CADD FILE NAME :	
ZI-IFRAP/SCD/09	

S.NO	STATION	NORTHING	EASTING
1351	27+000.00	3,155,771.0578m	457,479.2288m
1352	27+020.00	3,155,778.2646m	457,497.8852m
1353	27+040.00	3,155,785.4714m	457,516.5416m
1354	27+060.00	3,155,792.6782m	457,535.1980m
1355	27+080.00	3,155,799.8851m	457,553.8544m
1356	27+100.00	3,155,807.0919m	457,572.5108m
1357	27+120.00	3,155,814.2987m	457,591.1672m
1358	27+140.00	3,155,821.5055m	457,609.8236m
1359	27+160.00	3,155,828.7263m	457,628.4746m
1360	27+180.00	3,155,836.3196m	457,646.9764m
1361	27+200.00	3,155,844.4385m	457,665.2536m
1362	27+220.00	3,155,853.0761m	457,683.2914m
1363	27+240.00	3,155,862.2255m	457,701.0752m
1364	27+260.00	3,155,871.8792m	457,718.5903m
1365	27+280.00	3,155,882.0294m	457,735.8224m
1366	27+300.00	3,155,892.6543m	457,752.7662m
1367	27+320.00	3,155,903.4204m	457,769.6212m
1368	27+340.00	3,155,914.1865m	457,786.4762m
1369	27+360.00	3,155,924.9526m	457,803.3312m
1370	27+380.00	3,155,935.7187m	457,820.1862m
1371	27+400.00	3,155,946.4848m	457,837.0412m
1372	27+420.00	3,155,957.2509m	457,853.8962m
1373	27+440.00	3,155,968.0170m	457,870.7512m
1374	27+460.00	3,155,978.7831m	457,887.6062m
1375	27+480.00	3,155,989.5492m	457,904.4612m
1376	27+500.00	3,156,000.3153m	457,921.3162m
1377	27+520.00	3,156,011.0814m	457,938.1712m
1378	27+540.00	3,156,021.8475m	457,955.0262m
1379	27+560.00	3,156,032.6136m	457,971.8812m
1380	27+580.00	3,156,043.3797m	457,988.7362m
1381	27+600.00	3,156,054.1458m	458,005.5912m
1382	27+620.00	3,156,064.9119m	458,022.4462m
1383	27+640.00	3,156,075.6780m	458,039.3012m
1384	27+660.00	3,156,086.4441m	458,056.1562m
1385	27+680.00	3,156,097.2102m	458,073.0112m
1386	27+700.00	3,156,107.9763m	458,089.8662m
1387	27+720.00	3,156,118.7424m	458,106.7212m
1388	27+740.00	3,156,129.5085m	458,123.5762m
1389	27+760.00	3,156,140.2746m	458,140.4312m
1390	27+780.00	3,156,151.0407m	458,157.2862m
1391	27+800.00	3,156,161.8068m	458,174.1412m
1392	27+820.00	3,156,172.5729m	458,190.9962m
1393	27+840.00	3,156,183.3390m	458,207.8512m
1394	27+860.00	3,156,194.1051m	458,224.7062m
1395	27+880.00	3,156,204.8712m	458,241.5612m
1396	27+900.00	3,156,215.6373m	458,258.4162m
1397	27+920.00	3,156,226.4034m	458,275.2712m
1398	27+940.00	3,156,237.1695m	458,292.1262m
1399	27+960.00	3,156,247.9356m	458,308.9812m
1400	27+980.00	3,156,258.7017m	458,325.8362m

S.NO	STATION	NORTHING	EASTING
1401	28+000.00	3,156,269.4678m	458,342.6912m
1402	28+020.00	3,156,280.2339m	458,359.5462m
1403	28+040.00	3,156,290.8041m	458,376.5242m
1404	28+060.00	3,156,300.9469m	458,393.7608m
1405	28+080.00	3,156,310.6556m	458,411.2457m
1406	28+100.00	3,156,319.9243m	458,428.9677m
1407	28+120.00	3,156,328.8011m	458,446.8897m
1408	28+140.00	3,156,337.6197m	458,464.8405m
1409	28+160.00	3,156,346.4384m	458,482.7913m
1410	28+180.00	3,156,355.2571m	458,500.7421m
1411	28+200.00	3,156,364.0757m	458,518.6929m
1412	28+220.00	3,156,372.8944m	458,536.6437m
1413	28+240.00	3,156,381.7131m	458,554.5945m
1414	28+260.00	3,156,390.5317m	458,572.5453m
1415	28+280.00	3,156,399.3504m	458,590.4961m
1416	28+300.00	3,156,408.1690m	458,608.4469m
1417	28+320.00	3,156,416.9877m	458,626.3977m
1418	28+340.00	3,156,425.8064m	458,644.3485m
1419	28+360.00	3,156,434.6250m	458,662.2993m
1420	28+380.00	3,156,443.4437m	458,680.2501m
1421	28+400.00	3,156,452.2624m	458,698.2009m
1422	28+420.00	3,156,461.0810m	458,716.1517m
1423	28+440.00	3,156,469.8997m	458,734.1024m
1424	28+460.00	3,156,478.7184m	458,752.0532m
1425	28+480.00	3,156,487.5370m	458,770.0040m
1426	28+500.00	3,156,496.3557m	458,787.9548m
1427	28+520.00	3,156,505.1743m	458,805.9056m
1428	28+540.00	3,156,513.9930m	458,823.8564m
1429	28+560.00	3,156,522.8117m	458,841.8072m
1430	28+580.00	3,156,531.6303m	458,859.7580m
1431	28+600.00	3,156,540.4490m	458,877.7088m
1432	28+620.00	3,156,549.2677m	458,895.6596m
1433	28+640.00	3,156,558.0863m	458,913.6104m
1434	28+660.00	3,156,566.9050m	458,931.5612m
1435	28+680.00	3,156,575.7237m	458,949.5120m
1436	28+700.00	3,156,584.5423m	458,967.4628m
1437	28+720.00	3,156,593.3610m	458,985.4136m
1438	28+740.00	3,156,602.1796m	459,003.3644m
1439	28+760.00	3,156,610.9983m	459,021.3152m
1440	28+780.00	3,156,619.8170m	459,039.2660m
1441	28+800.00	3,156,628.6356m	459,057.2168m
1442	28+820.00	3,156,637.4543m	459,075.1676m
1443	28+840.00	3,156,646.2730m	459,093.1184m
1444	28+860.00	3,156,655.0916m	459,111.0692m
1445	28+880.00	3,156,663.9103m	459,129.0200m
1446	28+900.00	3,156,672.7290m	459,146.9708m
1447	28+920.00	3,156,681.5476m	459,164.9216m
1448	28+940.00	3,156,690.3663m	459,182.8724m
1449	28+960.00	3,156,699.1850m	459,200.8232m
1450	28+980.00	3,156,708.0036m	459,218.7740m

S.NO	STATION	NORTHING	EASTING
1451	29+000.00	3,156,716.8223m	459,236.7248m
1452	29+020.00	3,156,725.6409m	459,254.6756m
1453	29+040.00	3,156,734.4596m	459,272.6264m
1454	29+060.00	3,156,743.2783m	459,290.5772m
1455	29+080.00	3,156,752.0969m	459,308.5280m
1456	29+100.00	3,156,760.9156m	459,326.4788m
1457	29+120.00	3,156,769.7343m	459,344.4296m
1458	29+140.00	3,156,778.5529m	459,362.3804m
1459	29+160.00	3,156,787.3716m	459,380.3312m
1460	29+180.00	3,156,796.1903m	459,398.2820m
1461	29+200.00	3,156,805.0089m	459,416.2328m
1462	29+220.00	3,156,813.8276m	459,434.1836m
1463	29+240.00	3,156,822.7009m	459,452.1073m
1464	29+260.00	3,156,831.8952m	459,469.8682m
1465	29+280.00	3,156,841.4427m	459,487.4419m
1466	29+300.00	3,156,851.1554m	459,504.9251m
1467	29+320.00	3,156,860.8680m	459,522.4084m
1468	29+340.00	3,156,870.5807m	459,539.8916m
1469	29+360.00	3,156,880.2933m	459,557.3749m
1470	29+380.00	3,156,890.0060m	459,574.8582m
1471	29+400.00	3,156,899.7186m	459,592.3414m
1472	29+420.00	3,156,909.4313m	459,609.8247m
1473	29+440.00	3,156,919.1439m	459,627.3079m
1474	29+460.00	3,156,928.8566m	459,644.7912m
1475	29+480.00	3,156,938.5693m	459,662.2744m
1476	29+500.00	3,156,948.2819m	459,679.7577m
1477	29+520.00	3,156,957.9754m	459,697.2515m
1478	29+540.00	3,156,967.3381m	459,714.9241m
1479	29+560.00	3,156,976.2561m	459,732.8252m
1480	29+580.00	3,156,984.9527m	459,750.8354m
1481	29+600.00	3,156,993.6492m	459,768.8457m
1482	29+620.00	3,157,002.3458m	459,786.8560m
1483	29+640.00	3,157,011.0424m	459,804.8662m
1484	29+660.00	3,157,019.7389m	459,822.8765m
1485	29+680.00	3,157,028.4355m	459,840.8868m
1486	29+700.00	3,157,037.1321m	459,858.8970m
1487	29+720.00	3,157,045.8286m	459,876.9073m
1488	29+740.00	3,157,054.5252m	459,894.9176m
1489	29+760.00	3,157,063.2218m	459,912.9278m
1490	29+780.00	3,157,071.9184m	459,930.9381m
1491	29+800.00	3,157,080.6149m	459,948.9484m
1492	29+820.00	3,157,089.3115m	459,966.9586m
1493	29+840.00	3,157,098.0081m	459,984.9689m
1494	29+860.00	3,157,106.7046m	460,002.9792m
1495	29+880.00	3,157,115.4012m	460,020.9894m
1496	29+900.00	3,157,124.0978m	460,038.9997m
1497	29+920.00	3,157,132.7943m	460,057.0100m
1498	29+940.00	3,157,141.4909m	460,075.0202m
1499	29+960.00	3,157,150.1875m	460,093.0305m
1500	29+980.00	3,157,158.8840m	460,111.0408m

NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.	
LEGEND	
ABBREVIATION	
REV	REVISION/ISSUE
DATE	
CLIENT:	
Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I	
PROJECT:	
Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT:	
ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Axis Square Plaza, F-11 Markaz, Islamabad Ph: 011-2224215-16, FAX: 011-2224217 KASBI CONSULTANTS PVT. LTD	
DRAWING TITLE:	
STATION COORDINATE DATA	
DESIGN BY:	SHEET NO:
SUNILA	10 OF 11
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00
CADD FILE NAME:	
ZI-FRAP/SCD-10	

S.NO	STATION	NORTHING	EASTING
1501	30+000.00	3,157,167.5806m	460,129.0510m
1502	30+020.00	3,157,176.2772m	460,147.0613m
1503	30+040.00	3,157,184.9738m	460,165.0716m
1504	30+060.00	3,157,193.6703m	460,183.0818m
1505	30+080.00	3,157,202.3669m	460,201.0921m
1506	30+100.00	3,157,210.5387m	460,219.3435m
1507	30+120.00	3,157,217.6549m	460,238.0317m
1508	30+140.00	3,157,223.6921m	460,257.0959m
1509	30+160.00	3,157,228.6306m	460,276.4738m
1510	30+180.00	3,157,232.4544m	460,296.1021m
1511	30+200.00	3,157,235.1509m	460,315.9167m
1512	30+220.00	3,157,236.7114m	460,335.8530m
1513	30+240.00	3,157,236.8873m	460,355.8449m
1514	30+260.00	3,157,235.0924m	460,375.7559m
1515	30+280.00	3,157,231.3188m	460,395.3881m
1516	30+300.00	3,157,225.6040m	460,414.5456m
1517	30+320.00	3,157,218.1567m	460,433.1032m
1518	30+340.00	3,157,210.3827m	460,451.5305m
1519	30+360.00	3,157,202.6087m	460,469.9577m
1520	30+380.00	3,157,194.8346m	460,488.3850m
1521	30+400.00	3,157,187.0606m	460,506.8123m
1522	30+420.00	3,157,179.2866m	460,525.2395m
1523	30+440.00	3,157,171.5125m	460,543.6668m
1524	30+460.00	3,157,163.7385m	460,562.0941m
1525	30+480.00	3,157,155.9644m	460,580.5214m
1526	30+500.00	3,157,148.1904m	460,598.9486m
1527	30+520.00	3,157,140.4164m	460,617.3759m
1528	30+540.00	3,157,132.6423m	460,635.8032m
1529	30+560.00	3,157,124.8683m	460,654.2305m
1530	30+580.00	3,157,117.0943m	460,672.6577m
1531	30+600.00	3,157,109.3202m	460,691.0850m
1532	30+620.00	3,157,101.5462m	460,709.5123m
1533	30+640.00	3,157,093.7722m	460,727.9395m
1534	30+660.00	3,157,085.9981m	460,746.3668m
1535	30+680.00	3,157,078.2241m	460,764.7941m
1536	30+700.00	3,157,070.4500m	460,783.2214m
1537	30+720.00	3,157,062.6760m	460,801.6486m
1538	30+740.00	3,157,054.9020m	460,820.0759m
1539	30+760.00	3,157,047.1279m	460,838.5032m
1540	30+780.00	3,157,039.3539m	460,856.9304m
1541	30+800.00	3,157,031.5799m	460,875.3577m
1542	30+820.00	3,157,023.8058m	460,893.7850m
1543	30+840.00	3,157,016.0318m	460,912.2123m
1544	30+860.00	3,157,008.2578m	460,930.6395m
1545	30+880.00	3,157,000.4837m	460,949.0668m
1546	30+900.00	3,156,992.7097m	460,967.4941m
1547	30+920.00	3,156,984.9356m	460,985.9213m
1548	30+940.00	3,156,977.1616m	461,004.3486m
1549	30+960.00	3,156,969.3876m	461,022.7759m
1550	30+980.00	3,156,961.6135m	461,041.2032m

S.NO	STATION	NORTHING	EASTING
1551	31+000.00	3,156,953.8395m	461,059.6304m
1552	31+020.00	3,156,946.0655m	461,078.0577m
1553	31+040.00	3,156,938.2914m	461,096.4850m
1554	31+060.00	3,156,930.5174m	461,114.9123m
1555	31+080.00	3,156,922.7433m	461,133.3395m
1556	31+100.00	3,156,914.9693m	461,151.7668m
1557	31+120.00	3,156,907.1953m	461,170.1941m
1558	31+140.00	3,156,899.4212m	461,188.6213m
1559	31+160.00	3,156,891.6472m	461,207.0486m
1560	31+180.00	3,156,883.8732m	461,225.4759m
1561	31+200.00	3,156,876.0991m	461,243.9032m
1562	31+220.00	3,156,868.3251m	461,262.3304m
1563	31+240.00	3,156,860.5511m	461,280.7577m
1564	31+260.00	3,156,852.7770m	461,299.1850m
1565	31+280.00	3,156,845.0030m	461,317.6122m
1566	31+300.00	3,156,837.2289m	461,336.0395m
1567	31+320.00	3,156,829.4549m	461,354.4668m
1568	31+340.00	3,156,821.6809m	461,372.8941m
1569	31+360.00	3,156,813.9068m	461,391.3213m
1570	31+380.00	3,156,806.1328m	461,409.7486m
1571	31+400.00	3,156,798.3588m	461,428.1759m
1572	31+420.00	3,156,790.5847m	461,446.6031m
1573	31+440.00	3,156,782.8107m	461,465.0304m
1574	31+460.00	3,156,775.0367m	461,483.4577m
1575	31+480.00	3,156,767.2626m	461,501.8850m
1576	31+500.00	3,156,759.4886m	461,520.3122m
1577	31+520.00	3,156,751.7145m	461,538.7395m
1578	31+540.00	3,156,743.9405m	461,557.1668m
1579	31+560.00	3,156,736.1665m	461,575.5941m
1580	31+580.00	3,156,728.3924m	461,594.0213m
1581	31+600.00	3,156,720.6184m	461,612.4486m
1582	31+620.00	3,156,712.8444m	461,630.8759m
1583	31+640.00	3,156,705.0703m	461,649.3031m
1584	31+660.00	3,156,697.2963m	461,667.7304m
1585	31+680.00	3,156,689.5222m	461,686.1577m
1586	31+700.00	3,156,681.7482m	461,704.5850m
1587	31+720.00	3,156,673.9742m	461,723.0122m
1588	31+740.00	3,156,666.2001m	461,741.4395m
1589	31+760.00	3,156,658.4261m	461,759.8668m
1590	31+780.00	3,156,650.6521m	461,778.2940m
1591	31+800.00	3,156,642.8780m	461,796.7213m
1592	31+820.00	3,156,635.1040m	461,815.1486m
1593	31+840.00	3,156,627.3300m	461,833.5759m
1594	31+860.00	3,156,619.5559m	461,852.0031m
1595	31+880.00	3,156,611.7819m	461,870.4304m
1596	31+900.00	3,156,604.0078m	461,888.8577m
1597	31+920.00	3,156,596.2338m	461,907.2849m
1598	31+940.00	3,156,588.4598m	461,925.7122m
1599	31+960.00	3,156,580.6857m	461,944.1395m
1600	31+980.00	3,156,572.9117m	461,962.5668m

S.NO	STATION	NORTHING	EASTING
1601	32+000.00	3,156,565.1377m	461,980.9940m
1602	32+020.00	3,156,557.3636m	461,999.4213m
1603	32+040.00	3,156,549.5896m	462,017.8486m
1604	32+060.00	3,156,541.8156m	462,036.2759m
1605	32+080.00	3,156,533.9160m	462,054.6496m
1606	32+100.00	3,156,525.9680m	462,073.0025m
1607	32+120.00	3,156,518.0200m	462,091.3553m
1608	32+140.00	3,156,510.0719m	462,109.7082m
1609	32+160.00	3,156,502.1239m	462,128.0611m
1610	32+180.00	3,156,494.1758m	462,146.4140m
1611	32+200.00	3,156,486.2278m	462,164.7669m
1612	32+220.00	3,156,478.2797m	462,183.1198m
1613	32+240.00	3,156,470.3317m	462,201.4727m
1614	32+260.00	3,156,462.3837m	462,219.8256m
1615	32+280.00	3,156,454.4356m	462,238.1785m
1616	32+300.00	3,156,446.4876m	462,256.5314m
1617	32+320.00	3,156,438.5395m	462,274.8843m
1618	32+340.00	3,156,430.5240m	462,293.2077m
1619	32+360.00	3,156,422.4199m	462,311.4922m
1620	32+380.00	3,156,414.3158m	462,329.7767m
1621	32+400.00	3,156,406.2117m	462,348.0612m
1622	32+420.00	3,156,398.1076m	462,366.3457m
1623	32+440.00	3,156,390.0035m	462,384.6303m
1624	32+460.00	3,156,381.8995m	462,402.9148m
1625	32+480.00	3,156,373.7954m	462,421.1993m
1626	32+500.00	3,156,365.6913m	462,439.4838m
1627	32+520.00	3,156,357.5872m	462,457.7683m
1628	32+540.00	3,156,349.4831m	462,476.0529m
1629	32+560.00	3,156,341.3790m	462,494.3374m
1630	32+580.00	3,156,333.2749m	462,512.6219m
1631	32+600.00	3,156,325.1708m	462,530.9064m
1632	32+620.00	3,156,317.0667m	462,549.1910m
1633	32+640.00	3,156,308.9626m	462,567.4755m
1634	32+660.00	3,156,300.8586m	462,585.7600m
1635	32+680.00	3,156,292.7545m	462,604.0445m
1636	32+700.00	3,156,284.6504m	462,622.3290m
1637	32+720.00	3,156,276.5463m	462,640.6136m
1638	32+740.00	3,156,268.4422m	462,658.9435m
1639	32+760.00	3,156,260.3381m	462,677.2735m
1640	32+780.00	3,156,252.2340m	462,695.6032m
1641	32+800.00	3,156,244.1299m	462,713.9329m
1642	32+820.00	3,156,236.0258m	462,732.2626m
1643	32+840.00	3,156,227.9217m	462,750.5923m
1644	32+860.00	3,156,219.8176m	462,768.9220m
1645	32+880.00	3,156,211.7135m	462,787.2517m
1646	32+900.00	3,156,203.6094m	462,805.5814m
1647	32+920.00	3,156,195.5053m	462,823.9111m
1648	32+940.00	3,156,187.4012m	462,842.2408m
1649	32+960.00	3,156,179.2971m	462,860.5705m
1650	32+980.00	3,156,171.1930m	462,878.9002m

NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.	
LEGEND	
ABBREVIATION	
REV	REVISION/ISSUE
DATE	
CLIENT:  Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component 1	
PROJECT:  Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT:  ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 011-2224215-16, FAX: 011-2224217 KASBI CONSULTANTS PVT. LTD	
DRAWING TITLE	
STATION COORDINATE DATA	
DESIGN BY:	SHEET NO:
SUNILA	11 OF 11
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00
CADD FILE NAME:	
ZI-FRAP/SCD-11	

S.NO	STATION	NORTHING	EASTING
1651	33+000.00	3,156,169.7053m	462,899.4182m
1652	33+020.00	3,156,162.2291m	462,917.9683m
1653	33+040.00	3,156,154.7529m	462,936.5184m
1654	33+060.00	3,156,147.2766m	462,955.0685m
1655	33+080.00	3,156,139.8004m	462,973.6186m
1656	33+100.00	3,156,132.3241m	462,992.1687m
1657	33+120.00	3,156,124.8479m	463,010.7188m
1658	33+140.00	3,156,117.3716m	463,029.2688m
1659	33+160.00	3,156,109.8954m	463,047.8189m
1660	33+180.00	3,156,102.4192m	463,066.3690m
1661	33+200.00	3,156,094.9429m	463,084.9191m
1662	33+220.00	3,156,087.4667m	463,103.4692m
1663	33+240.00	3,156,080.0143m	463,122.0289m
1664	33+260.00	3,156,072.6029m	463,140.6049m
1665	33+280.00	3,156,065.1914m	463,159.1810m
1666	33+300.00	3,156,057.7800m	463,177.7571m
1667	33+320.00	3,156,050.3686m	463,196.3332m
1668	33+340.00	3,156,042.9571m	463,214.9092m
1669	33+360.00	3,156,035.5457m	463,233.4853m
1670	33+380.00	3,156,028.1343m	463,252.0614m
1671	33+400.00	3,156,020.7228m	463,270.6375m
1672	33+420.00	3,156,013.3114m	463,289.2135m
1673	33+440.00	3,156,005.8999m	463,307.7896m
1674	33+460.00	3,155,998.4885m	463,326.3657m
1675	33+480.00	3,155,991.0771m	463,344.9418m
1676	33+500.00	3,155,983.6656m	463,363.5179m
1677	33+520.00	3,155,976.2542m	463,382.0939m
1678	33+540.00	3,155,968.8428m	463,400.6700m
1679	33+560.00	3,155,961.4313m	463,419.2461m
1680	33+580.00	3,155,954.0199m	463,437.8222m
1681	33+600.00	3,155,946.6085m	463,456.3982m
1682	33+620.00	3,155,939.1970m	463,474.9743m
1683	33+640.00	3,155,931.7855m	463,493.5504m
1684	33+660.00	3,155,924.3741m	463,512.1265m
1685	33+680.00	3,155,917.9627m	463,530.7026m
1686	33+700.00	3,155,910.5513m	463,549.2787m
1687	33+720.00	3,155,903.1399m	463,567.8548m
1688	33+740.00	3,155,895.7285m	463,586.4309m
1689	33+760.00	3,155,888.3171m	463,605.0070m
1690	33+780.00	3,155,881.9057m	463,623.5831m
1691	33+800.00	3,155,874.4943m	463,642.1592m
1692	33+820.00	3,155,867.0829m	463,660.7353m
1693	33+840.00	3,155,860.6715m	463,679.3114m
1694	33+860.00	3,155,853.2601m	463,697.8875m
1695	33+880.00	3,155,845.8487m	463,716.4636m
1696	33+900.00	3,155,838.4373m	463,735.0397m
1697	33+920.00	3,155,831.0259m	463,753.6158m
1698	33+940.00	3,155,823.6145m	463,772.1919m
1699	33+960.00	3,155,816.2031m	463,790.7680m
1700	33+980.00	3,155,808.7917m	463,809.3441m

S.NO	STATION	NORTHING	EASTING
1701	34+000.00	3,155,802.7341m	463,829.6254m
1702	34+020.00	3,155,795.5592m	463,848.2941m
1703	34+040.00	3,155,788.3844m	463,866.9628m
1704	34+060.00	3,155,781.2095m	463,885.6315m
1705	34+080.00	3,155,774.0346m	463,904.3002m
1706	34+100.00	3,155,766.8597m	463,922.9690m
1707	34+120.00	3,155,759.6848m	463,941.6377m
1708	34+140.00	3,155,752.5099m	463,960.3064m
1709	34+160.00	3,155,745.3350m	463,978.9751m
1710	34+180.00	3,155,738.1601m	463,997.6438m
1711	34+200.00	3,155,731.9852m	464,016.3125m
1712	34+220.00	3,155,724.8103m	464,034.9812m
1713	34+240.00	3,155,717.6354m	464,053.6500m
1714	34+260.00	3,155,710.4605m	464,072.3187m
1715	34+280.00	3,155,703.2856m	464,091.9875m
1716	34+300.00	3,155,696.1107m	464,110.6562m
1717	34+320.00	3,155,688.9358m	464,129.3250m
1718	34+340.00	3,155,681.7609m	464,147.9937m
1719	34+360.00	3,155,674.5860m	464,166.6625m
1720	34+380.00	3,155,667.4111m	464,185.3312m
1721	34+400.00	3,155,660.2362m	464,204.0000m
1722	34+420.00	3,155,653.0613m	464,222.6687m
1723	34+440.00	3,155,645.8864m	464,241.3375m
1724	34+460.00	3,155,638.7115m	464,260.0062m
1725	34+480.00	3,155,631.5366m	464,278.6750m
1726	34+500.00	3,155,624.3617m	464,297.3437m
1727	34+520.00	3,155,617.1868m	464,316.0125m
1728	34+540.00	3,155,610.0119m	464,334.6812m
1729	34+560.00	3,155,602.8370m	464,353.3500m
1730	34+580.00	3,155,595.6621m	464,372.0187m
1731	34+600.00	3,155,588.4872m	464,390.6875m
1732	34+620.00	3,155,581.3123m	464,409.3562m
1733	34+640.00	3,155,574.1374m	464,428.0250m
1734	34+660.00	3,155,566.9625m	464,446.6937m
1735	34+680.00	3,155,559.7876m	464,465.3625m
1736	34+700.00	3,155,552.6127m	464,484.0312m
1737	34+720.00	3,155,545.4378m	464,502.7000m
1738	34+740.00	3,155,538.2629m	464,521.3687m
1739	34+760.00	3,155,531.0880m	464,540.0375m
1740	34+780.00	3,155,523.9131m	464,558.7062m
1741	34+800.00	3,155,516.7382m	464,577.3750m
1742	34+820.00	3,155,509.5633m	464,596.0437m
1743	34+840.00	3,155,502.3884m	464,614.7125m
1744	34+860.00	3,155,495.2135m	464,633.3812m
1745	34+880.00	3,155,488.0386m	464,652.0500m
1746	34+900.00	3,155,480.8637m	464,670.7187m
1747	34+920.00	3,155,473.6888m	464,689.3875m
1748	34+940.00	3,155,466.5139m	464,708.0562m
1749	34+960.00	3,155,459.3390m	464,726.7250m
1750	34+980.00	3,155,452.1641m	464,745.3937m

S.NO	STATION	NORTHING	EASTING
1751	35+000.00	3,155,442.0423m	464,762.2291m
1752	35+020.00	3,155,434.8674m	464,780.8978m
1753	35+040.00	3,155,427.6925m	464,799.5665m
1754	35+060.00	3,155,420.5176m	464,818.2352m
1755	35+080.00	3,155,413.3427m	464,836.9039m
1756	35+100.00	3,155,406.1678m	464,855.5726m
1757	35+120.00	3,155,398.9929m	464,874.2413m
1758	35+140.00	3,155,391.8180m	464,892.9100m
1759	35+160.00	3,155,384.6431m	464,911.5787m
1760	35+180.00	3,155,377.4682m	464,930.2474m
1761	35+200.00	3,155,370.2933m	464,948.9161m
1762	35+220.00	3,155,363.1184m	464,967.5848m
1763	35+240.00	3,155,355.9435m	464,986.2535m
1764	35+260.00	3,155,348.7686m	465,004.9222m
1765	35+280.00	3,155,341.5937m	465,023.5909m
1766	35+300.00	3,155,334.4188m	465,042.2596m
1767	35+320.00	3,155,327.2439m	465,060.9283m
1768	35+340.00	3,155,320.0690m	465,079.5970m
1769	35+360.00	3,155,312.8941m	465,098.2657m
1770	35+380.00	3,155,305.7192m	465,116.9344m
1771	35+400.00	3,155,298.5443m	465,135.6031m
1772	35+420.00	3,155,291.3694m	465,154.2718m
1773	35+440.00	3,155,284.1945m	465,172.9405m
1774	35+460.00	3,155,277.0196m	465,191.6092m
1775	35+480.00	3,155,269.8447m	465,210.2779m
1776	35+500.00	3,155,262.6698m	465,228.9466m
1777	35+520.00	3,155,255.4949m	465,247.6153m
1778	35+540.00	3,155,248.3200m	465,266.2840m
1779	35+560.00	3,155,241.1451m	465,284.9527m
1780	35+580.00	3,155,233.9702m	465,303.6214m
1781	35+600.00	3,155,226.7953m	465,322.2901m
1782	35+620.00	3,155,219.6204m	465,340.9588m
1783	35+640.00	3,155,212.4455m	465,359.6275m
1784	35+660.00	3,155,205.2706m	465,378.2962m
1785	35+680.00	3,155,198.0957m	465,396.9649m
1786	35+700.00	3,155,190.9208m	465,415.6336m
1787	35+720.00	3,155,183.7459m	465,434.3023m
1788	35+740.00	3,155,176.5710m	465,452.9710m
1789	35+760.00	3,155,169.3961m	465,471.6397m
1790	35+780.00	3,155,162.2212m	465,490.3084m
1791	35+800.00	3,155,155.0463m	465,508.9771m
1792	35+820.00	3,155,147.8714m	465,527.6458m
1793	35+840.00	3,155,140.6965m	465,546.3145m
1794	35+860.00	3,155,133.5216m	465,564.9832m
1795	35+880.00	3,155,126.3467m	465,583.6519m
1796	35+900.00	3,155,119.1718m	465,602.3206m
1797	35+920.00	3,155,111.9969m	465,620.9893m
1798	35+940.00	3,155,104.8220m	465,639.6580m
1799	35+960.00	3,155,097.6471m	465,658.3267m
1800	35+980.00	3,155,090.4722m	465,676.9954m

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Axis Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASBI CONSULTANTS
PVT. LTD

DRAWING TITLE :
STATION COORDINATE
DATA

DESIGN BY : SUNILA	SHEET NO : 121011
DRAWN BY : AKHTAR	SCALE : N.T.S
CHECKED BY : KHURAM	DATE : NOV. 2025
APPROVED BY : RASHID	REVISION : REV. 00

CAD FILE NAME :
ZI-IFRAP/SCD-12

S.NO	STATION	NORTHING	EASTING
1801	36+000.00	3,155,091.6980m	465,698.1367m
1802	36+020.00	3,155,085.1973m	465,717.0507m
1803	36+040.00	3,155,078.6966m	465,735.9648m
1804	36+060.00	3,155,072.1959m	465,754.8788m
1805	36+080.00	3,155,065.6952m	465,773.7929m
1806	36+100.00	3,155,059.1976m	465,792.7079m
1807	36+120.00	3,155,053.1454m	465,811.7688m
1808	36+140.00	3,155,047.7077m	465,831.0152m
1809	36+160.00	3,155,042.3230m	465,850.2767m
1810	36+180.00	3,155,036.9383m	465,869.5382m
1811	36+200.00	3,155,031.5537m	465,888.7997m
1812	36+220.00	3,155,026.1690m	465,908.0612m
1813	36+240.00	3,155,020.7844m	465,927.3227m
1814	36+260.00	3,155,015.3997m	465,946.5842m
1815	36+280.00	3,155,010.0150m	465,965.8457m
1816	36+300.00	3,155,004.6304m	465,985.1072m
1817	36+320.00	3,154,999.2457m	466,004.3687m
1818	36+340.00	3,154,993.8625m	466,023.6306m
1819	36+360.00	3,154,988.6336m	466,042.9348m
1820	36+380.00	3,154,983.5643m	466,062.2817m
1821	36+400.00	3,154,978.4971m	466,081.6292m
1822	36+420.00	3,154,973.4300m	466,100.9766m
1823	36+440.00	3,154,968.3628m	466,120.3241m
1824	36+460.00	3,154,963.2956m	466,139.6715m
1825	36+480.00	3,154,958.2284m	466,159.0190m
1826	36+500.00	3,154,953.1613m	466,178.3664m
1827	36+520.00	3,154,948.0941m	466,197.7139m
1828	36+540.00	3,154,943.0269m	466,217.0613m
1829	36+560.00	3,154,937.9597m	466,236.4088m
1830	36+580.00	3,154,932.8926m	466,255.7562m
1831	36+600.00	3,154,927.8254m	466,275.1037m
1832	36+620.00	3,154,922.7767m	466,294.4559m
1833	36+640.00	3,154,918.0862m	466,313.8976m
1834	36+660.00	3,154,913.8832m	466,333.4504m
1835	36+680.00	3,154,910.1702m	466,353.1022m
1836	36+700.00	3,154,906.9497m	466,372.8407m
1837	36+720.00	3,154,904.2236m	466,392.6535m
1838	36+740.00	3,154,901.9861m	466,412.5275m
1839	36+760.00	3,154,899.9183m	466,432.4203m
1840	36+780.00	3,154,897.8505m	466,452.3131m
1841	36+800.00	3,154,895.7828m	466,472.2060m
1842	36+820.00	3,154,893.7150m	466,492.0988m
1843	36+840.00	3,154,891.6473m	466,511.9916m
1844	36+860.00	3,154,889.5795m	466,531.8844m
1845	36+880.00	3,154,887.5117m	466,551.7773m
1846	36+900.00	3,154,885.4440m	466,571.6701m
1847	36+920.00	3,154,883.3762m	466,591.5629m
1848	36+940.00	3,154,881.3084m	466,611.4557m
1849	36+960.00	3,154,879.2407m	466,631.3485m
1850	36+980.00	3,154,877.5247m	466,651.2740m

S.NO	STATION	NORTHING	EASTING
1851	37+000.00	3,154,875.9766m	466,671.2140m
1852	37+020.00	3,154,874.4285m	466,691.1540m
1853	37+040.00	3,154,872.8804m	466,711.0940m
1854	37+060.00	3,154,871.3323m	466,731.0340m
1855	37+080.00	3,154,869.7842m	466,750.9740m
1856	37+100.00	3,154,868.2361m	466,770.9140m
1857	37+120.00	3,154,866.6881m	466,790.8540m
1858	37+140.00	3,154,865.1400m	466,810.7940m
1859	37+160.00	3,154,863.5919m	466,830.7340m
1860	37+180.00	3,154,862.0438m	466,850.6740m
1861	37+200.00	3,154,860.4957m	466,870.6140m
1862	37+220.00	3,154,858.9476m	466,890.5540m
1863	37+240.00	3,154,857.3995m	466,910.4940m
1864	37+260.00	3,154,855.8514m	466,930.4340m
1865	37+280.00	3,154,854.3033m	466,950.3740m
1866	37+300.00	3,154,852.7552m	466,970.3140m
1867	37+320.00	3,154,851.2071m	466,990.2540m
1868	37+340.00	3,154,849.6590m	467,010.1940m
1869	37+360.00	3,154,848.1109m	467,030.1339m
1870	37+380.00	3,154,846.5628m	467,050.0739m
1871	37+400.00	3,154,845.0147m	467,070.0139m
1872	37+420.00	3,154,843.4667m	467,089.9539m
1873	37+440.00	3,154,841.9186m	467,109.8939m
1874	37+460.00	3,154,840.3705m	467,129.8339m
1875	37+480.00	3,154,838.8224m	467,149.7739m
1876	37+500.00	3,154,837.2743m	467,169.7139m
1877	37+520.00	3,154,835.7262m	467,189.6539m
1878	37+540.00	3,154,834.1781m	467,209.5939m
1879	37+560.00	3,154,833.1300m	467,229.5339m
1880	37+580.00	3,154,832.0819m	467,249.4739m
1881	37+600.00	3,154,831.0338m	467,269.4139m
1882	37+620.00	3,154,830.0857m	467,289.3539m
1883	37+640.00	3,154,829.0376m	467,309.2939m
1884	37+660.00	3,154,828.0895m	467,329.2339m
1885	37+680.00	3,154,827.0414m	467,349.1739m
1886	37+700.00	3,154,826.0933m	467,369.1139m
1887	37+720.00	3,154,825.0452m	467,389.0539m
1888	37+740.00	3,154,824.0971m	467,409.0939m
1889	37+760.00	3,154,823.0490m	467,429.0339m
1890	37+780.00	3,154,822.0009m	467,449.0739m
1891	37+800.00	3,154,821.0528m	467,469.0139m
1892	37+820.00	3,154,820.0047m	467,489.0539m
1893	37+840.00	3,154,819.0566m	467,509.0939m
1894	37+860.00	3,154,818.0085m	467,529.0339m
1895	37+880.00	3,154,817.0604m	467,549.0739m
1896	37+900.00	3,154,816.0123m	467,569.0139m
1897	37+920.00	3,154,815.0642m	467,589.0539m
1898	37+940.00	3,154,814.0161m	467,609.0939m
1899	37+960.00	3,154,813.0680m	467,629.0339m
1900	37+980.00	3,154,812.0200m	467,649.0739m

S.NO	STATION	NORTHING	EASTING
1901	38+000.00	3,154,817.8453m	467,668.9967m
1902	38+020.00	3,154,813.9187m	467,688.6060m
1903	38+040.00	3,154,809.2110m	467,708.0427m
1904	38+060.00	3,154,803.7886m	467,727.2930m
1905	38+080.00	3,154,798.2236m	467,746.5031m
1906	38+094.82	3,154,794.1010m	467,760.7340m

NOTES 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.	
LEGEND	
ABBREVIATION	
REV	REVISION/ISSUE
DATE	DATE
CLIENT :	
Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I	
PROJECT :	
Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT :	
ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASIB CONSULTANTS PVT. LTD	
DRAWING TITLE :	
STATION COORDINATE DATA	
DESIGN BY : SUNILA	SHEET NO : 13 OF 13
DRAWN BY : AKHTAR	SCALE : N.T.S
CHECKED BY : KHURAM	DATE : NOV. 2025
APPROVED BY : RASHID	REVISION : REV. 00
CAD FILE NAME : ZI-FRAP/SCD-13	

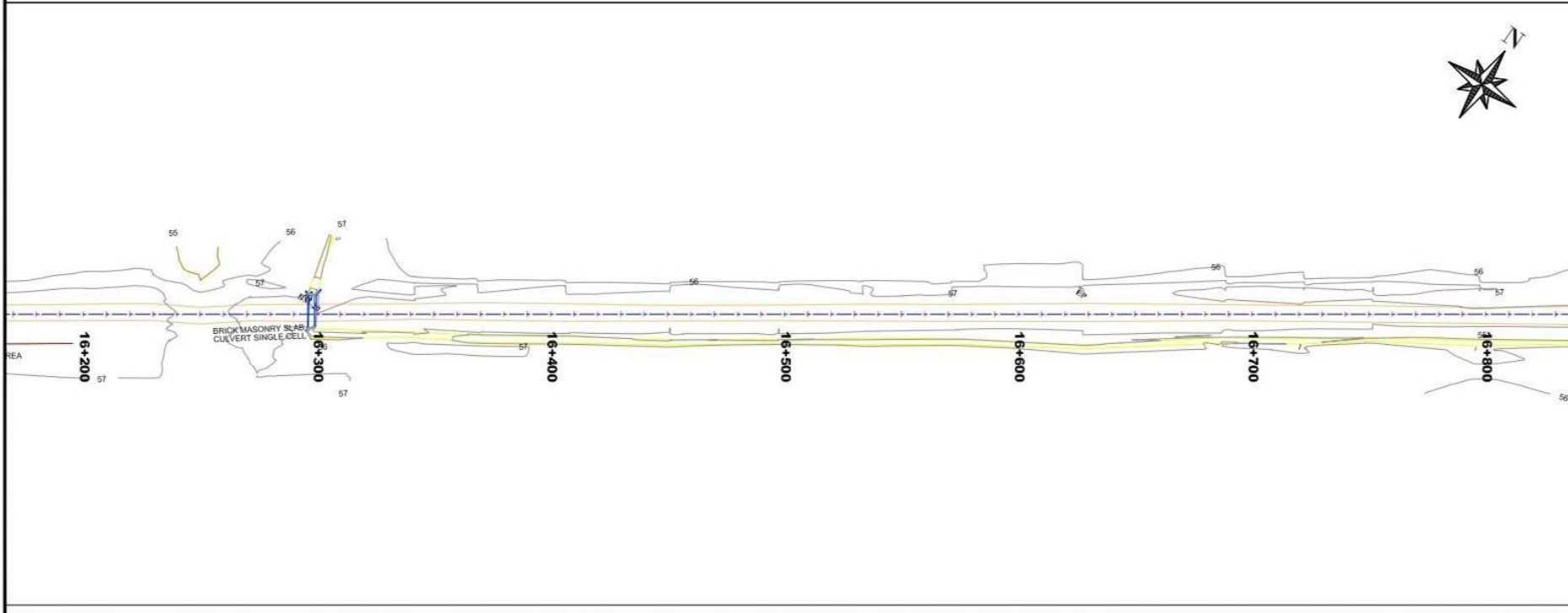
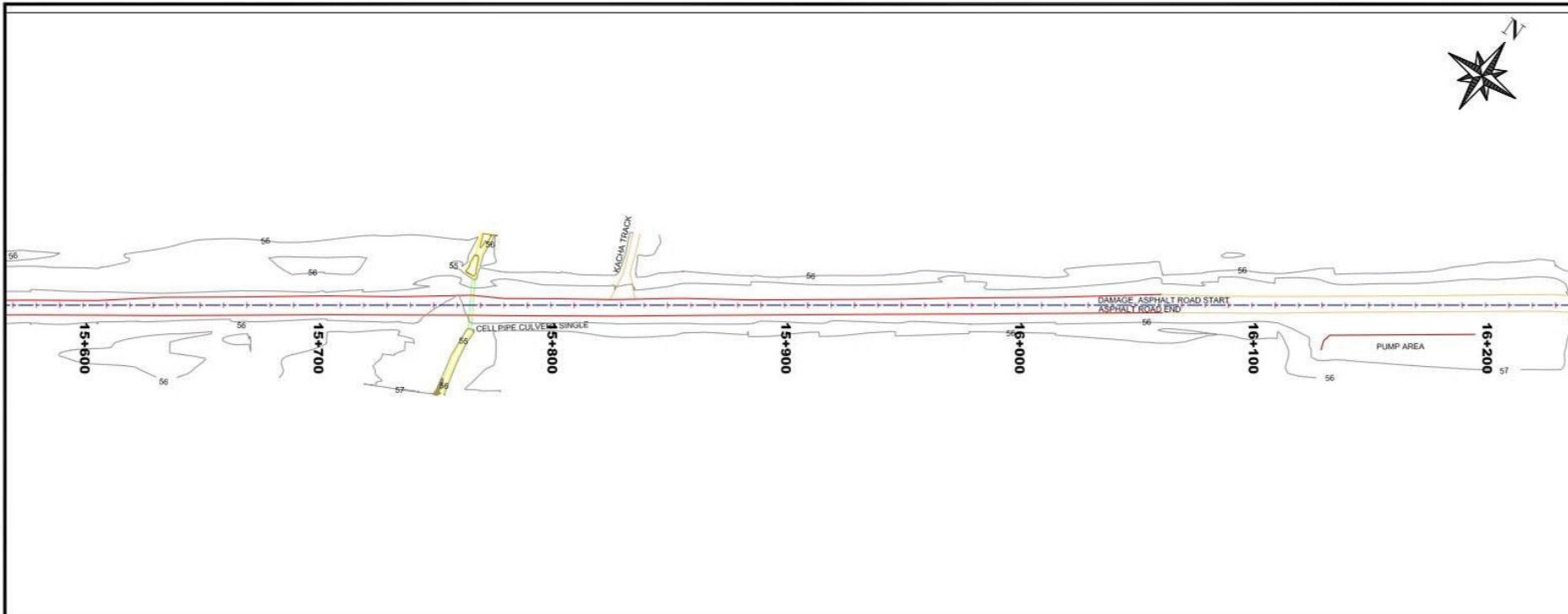
LIST OF STRUCTURE

S.No.	STRUCTURE CHAINAGE	PROPOSED STRUCTURE	RISE	SPAN	NO. OF CELLS	REMARKS
	(m)		m	m		
28	16+500	Box Culvert	2.5	4	13	Proposed Culvert
29	17+225	Box Culvert	2	3	1	Existing Culvert used
30	17+884	Box Culvert	1.5	2	1	Existing Culvert used
31	18+126	Box Culvert	1.5	2	1	Existing Culvert used
32	18+417	Box Culvert	2	2	1	Existing Culvert used
33	18+948	Box Culvert	2.5	4	13	Proposed Culvert
34	22+240	Box Culvert	2	2	1	Proposed Culvert
35	21+630	Box Culvert	2	2	1	Existing Culvert used
36	22+027	Box Culvert	1.5	1.5	1	Existing Culvert used
37	22+363	Box Culvert	3	1.5	1	Existing Culvert used
38	23+220	Box Culvert	2.5	4	10	Proposed Culvert
39	25+920	Box Culvert	1.5	3	2	Proposed Culvert
40	25+699	Box Culvert	1	1.5	1	Existing Culvert used
41	25+813	Box Culvert	2	3	1	Existing Culvert used
42	26+239	Box Culvert	3	2.5	1	Existing Culvert used
43	26+418	Box Culvert	4	2	1	Existing Culvert used
44	27+220	Box Culvert	2.5	4	8	Proposed Culvert
45	29+160	Box Culvert	2.5	3	4	Proposed Culvert
46	30+822	Box Culvert	2	2	1	Existing Culvert used
47	31+834	Box Culvert	2	1.5	1	Existing Culvert used
48	31+849	Box Culvert	2	1.5	1	Existing Culvert used
49	32+576	Box Culvert	2	1.5	1	Existing Culvert used
50	32+951	Box Culvert	2	1	1	Existing Culvert used
51	33+383	Box Culvert	2	1.5	1	Existing Culvert used
52	33+940	Box Culvert	3	3	3	Proposed Culvert
53	34+804	Box Culvert	2	2	1	Existing Culvert used
54	34+822	Box Culvert	2	2	1	Existing Culvert used
55	36+104	Box Culvert	2	1.5	1	Existing Culvert used
56	37+300	Box Culvert	2	2	2	Proposed Culvert

NOTES 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.								
LEGEND								
ABBREVIATION								
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REV	REVISION/ISSUE	DATE						
CLIENT :  Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I								
PROJECT :  Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)								
LEAD CONSULTANT :  ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Anna Square Plaza, F-11 Markaz, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASIB CONSULTANTS PVT. LTD								
DRAWING TITLE : LIST OF STRUCTURE								
DESIGN BY :	SHEET NO :							
SUNILA	01 OF 01							
DRAWN BY :	SCALE :							
AKHTAR	N.T.S							
CHECKED BY :	DATE :							
KHURAM	NOV, 2025							
APPROVED BY :	REVISION :							
RASHID	REV. 00							
CAD FILE NAME : ZI-IFRAP/LOS-01								

DERA ALLAHYAR TO HAIRDIN (38 KM)

SURVEY PLAN



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

CENTER LINE
SHOP AREA
ROAD
STREET
RAILWAY TRACK
CONTOURS
BOUNDARY
NALLAH
TRACK
KANTA BUILDING
BRICK 1 CULVERT SINGLE CELL
BUILDING
CONTOUR, GIK
CENTER LINE
MOSQUE
PATROL PUMP
BRICK CULVERT 2 CELL
BRICKS 3 CELL CULVERT
GRAVE YARD
DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

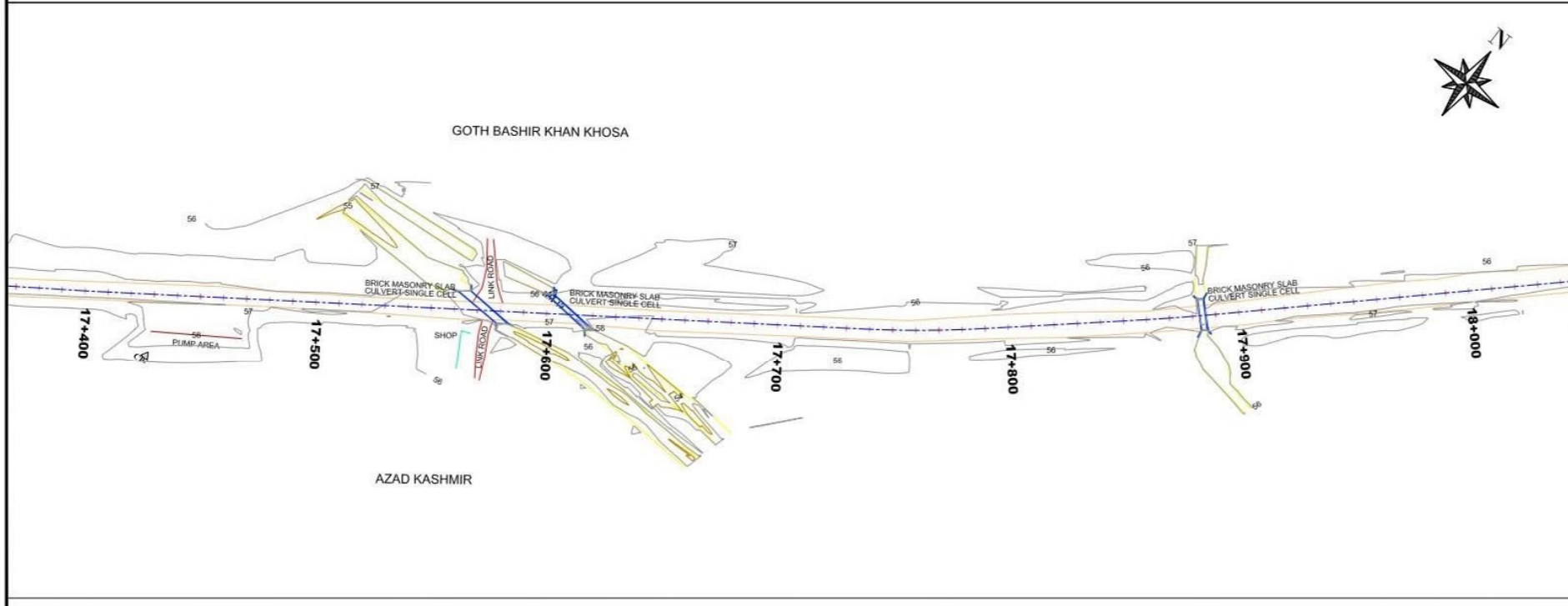
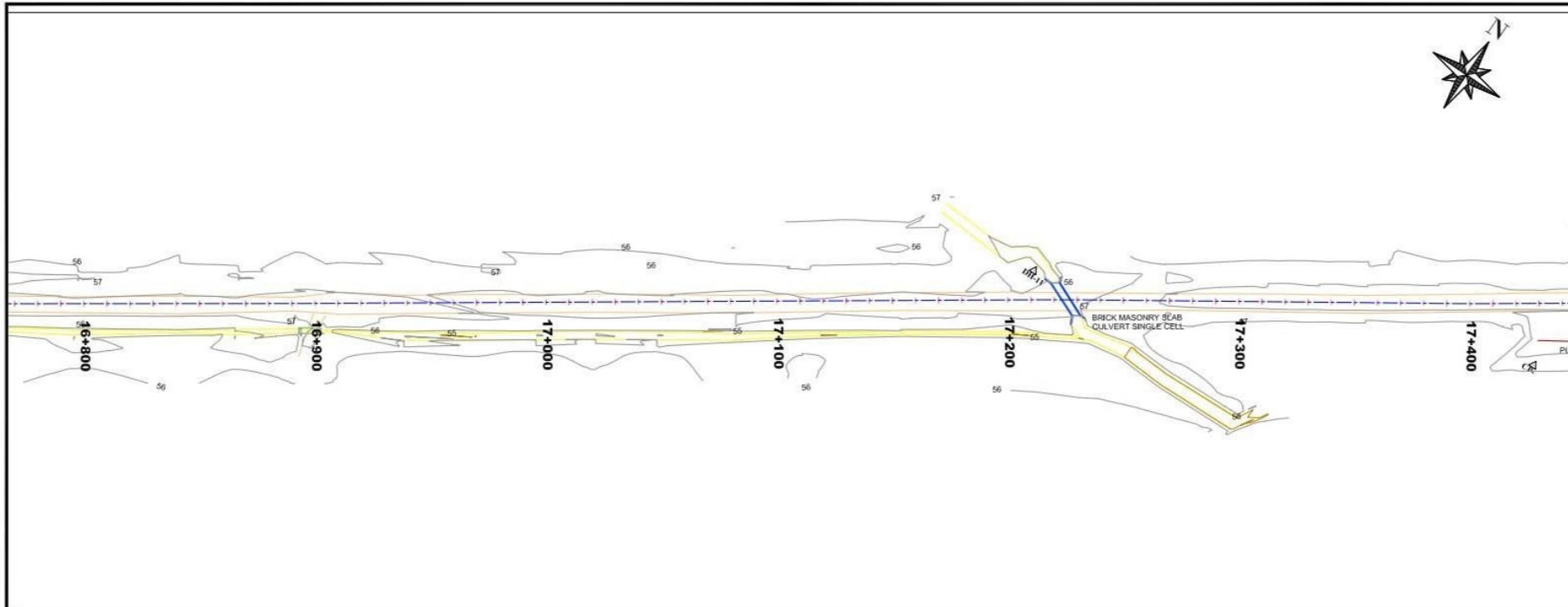
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
SURVEY PLAN
AT KM 15+600 TO 16+800

DESIGN BY: SUNILA	SHEET NO: 14 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/SP/14



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASIB CONSULTANTS
PVT. LTD

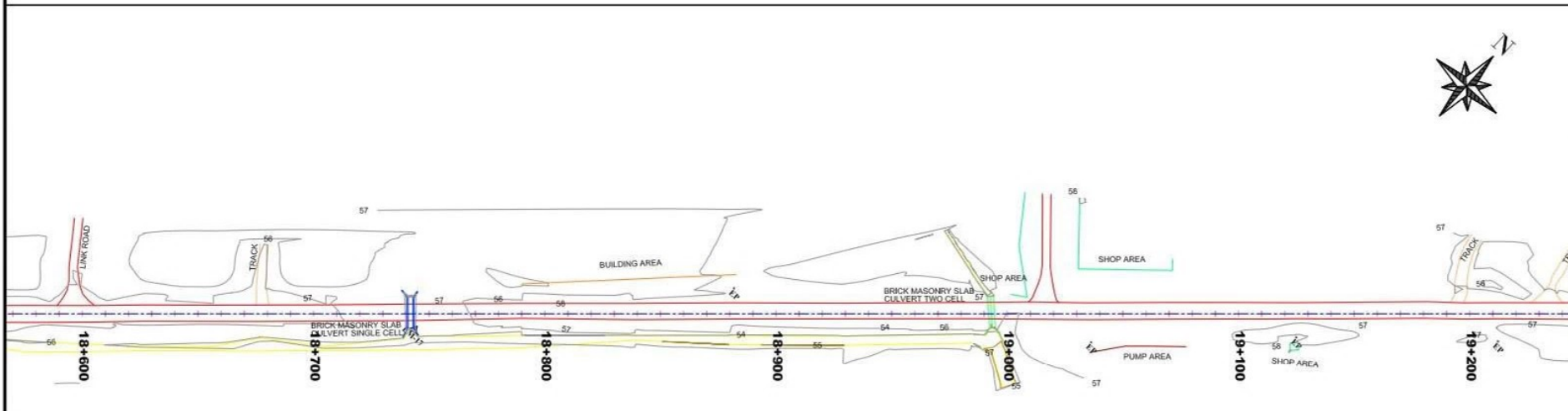
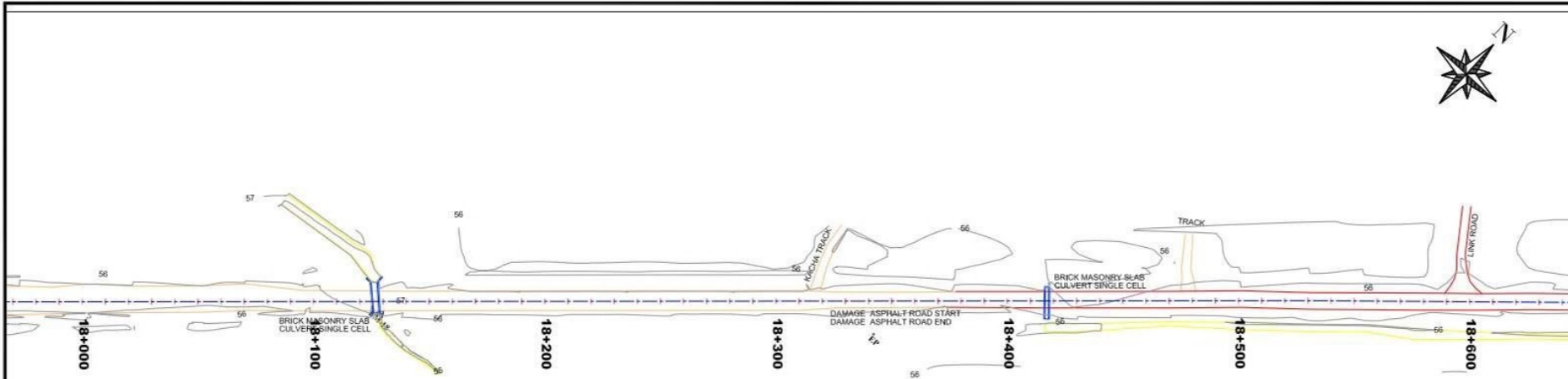
DRAWING TITLE :

SURVEY PLAN
AT KM 16+800 TO 18+000

DESIGN BY:	SHEET NO:
SUNILA	15 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/15



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

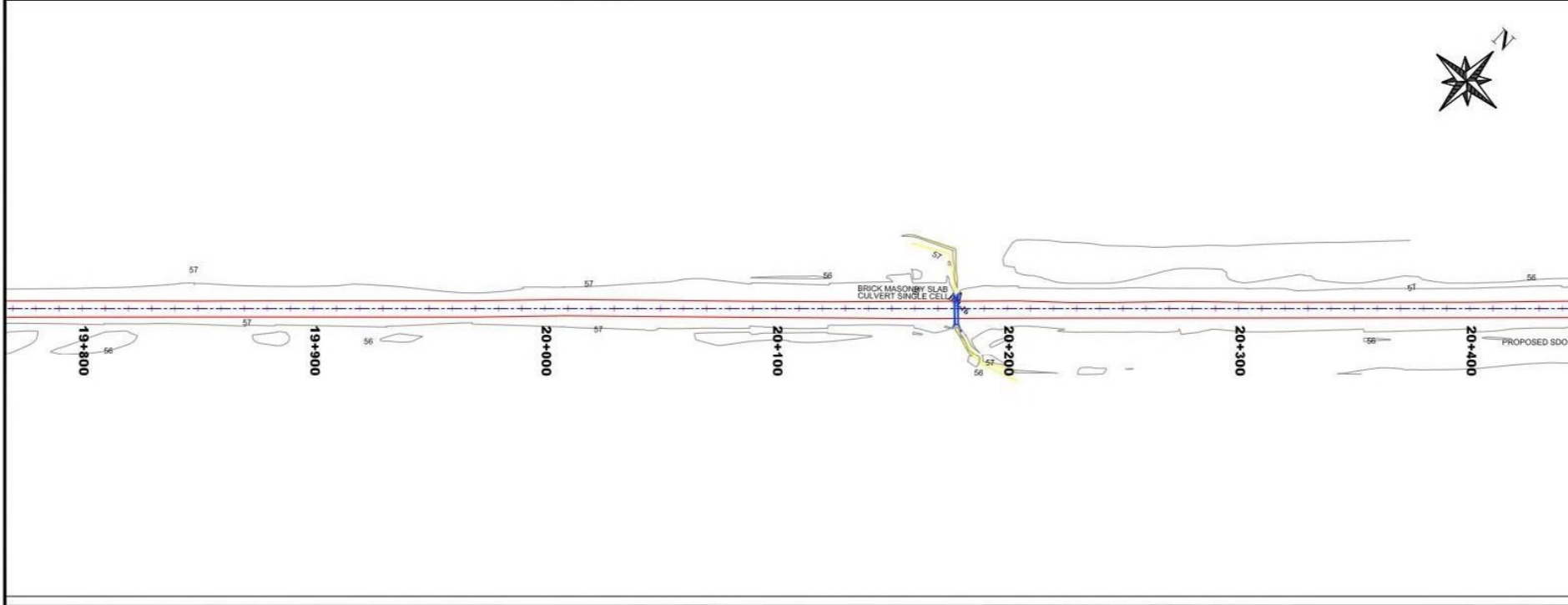
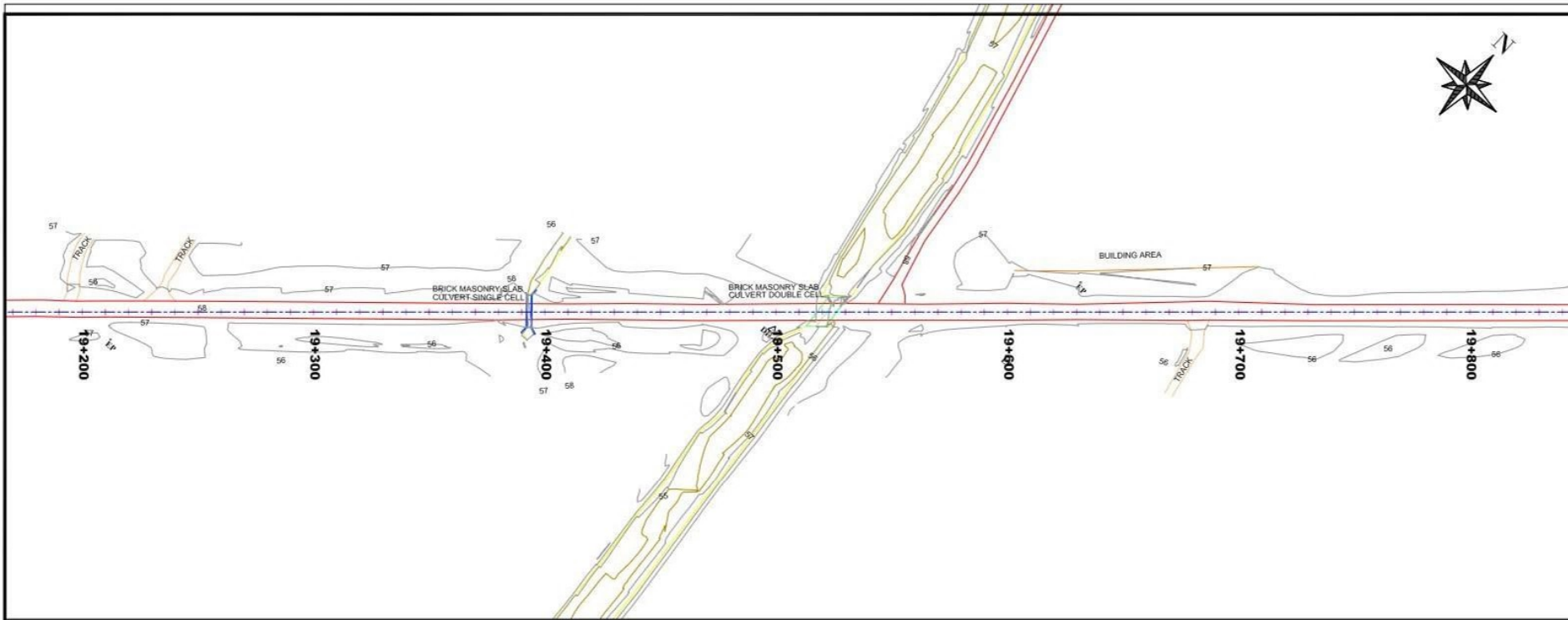
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:

**SURVEY PLAN
AT KM 18+000 TO 19+200**

DESIGN BY: SUNILA	SHEET NO: 16 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV. 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/SP/16



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND
CENTER LINE
SHOP AREA
ROAD
STREET
RAILWAY TRACK
CONTOURS
BOUNDARY
MALLAH
TRACK
KANTA BUILDING
BRICK 1 CULVERT SINGLE CELL
BUILDING
CONTOUR_JOIN
CENTER LINE
MOSQUE
PATROL PUMP
BRICK CULVERT 2 CELL
BRICKS 3 CELL CULVERT
GRAVE YARD
DRAIN

REV.	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

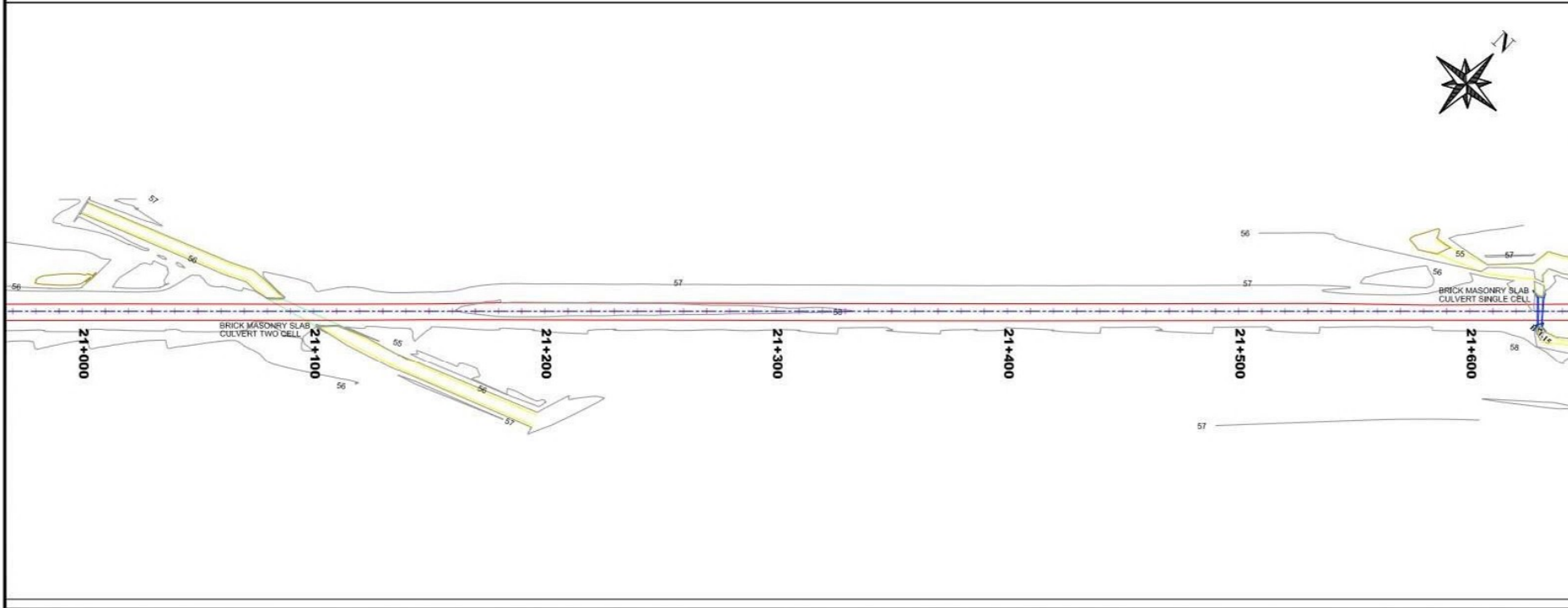
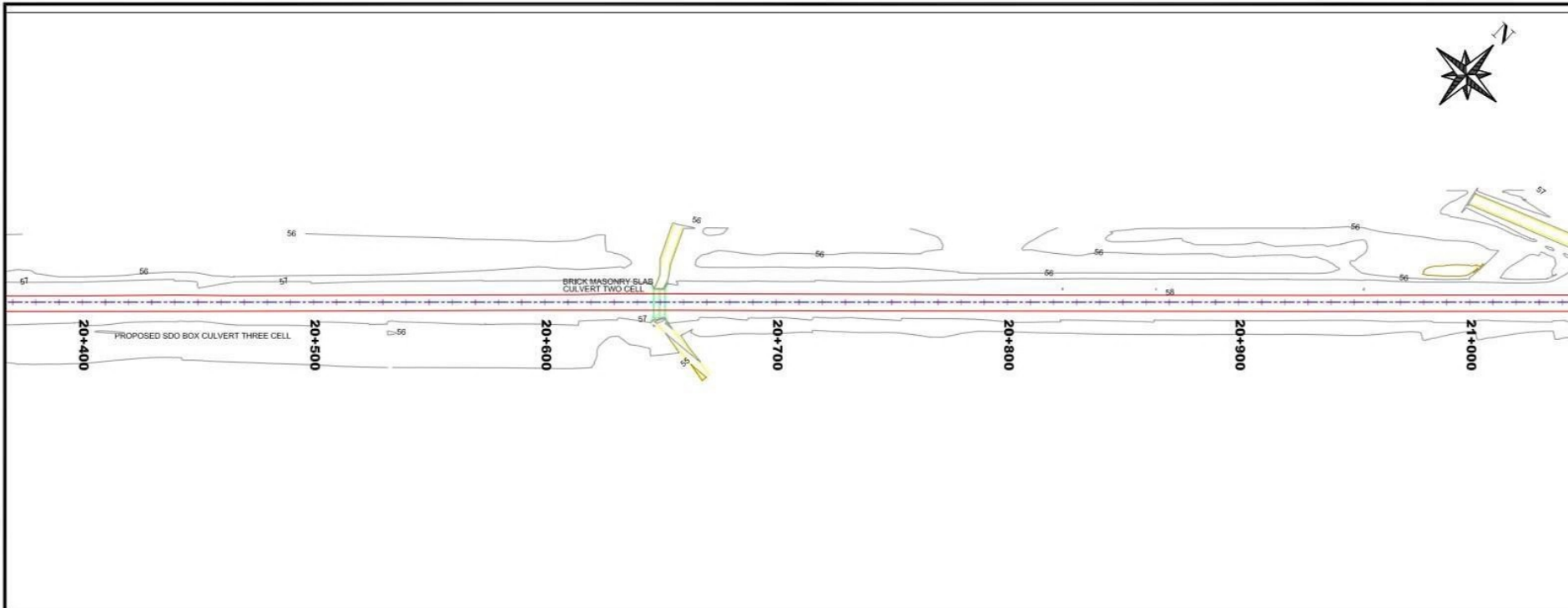
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Azra Square Plaza,
7-11 Markazi, Islamabad
Ph: 051-2224215, 16, FAX: 051-2224217

KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
SURVEY PLAN
AT KM 19+200 TO 20+400

DESIGN BY:	SHEET NO:
SUNILA	17 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:
Z1/IFRAP/SP/17



NOTES

1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

CENTER LINE	
SHOP AREA	
ROAD	
STREET	
RAILWAY TRACK	
CONTOURS	
BOUNDARY	
NALLAH	
TRACK	
KANTA BUILDING	
BRICK 1 CULVERT SINGLE CELL	
BUILDING	
CONTOUR_5M	
CENTER LINE	
MOSQUE	
PATROL PUMP	
BRICK CULVERT 2 CELL	
BRICKS 3 CELL CULVERT	
GRAVE YARD	
DRAIN	

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)

Integrated Flood Resilience and

Adaptation Project (IFRAP)

Component 1

PROJECT :

Consulting Services For Design,

Procurement Assistance,

Contract Administration and

Construction Supervision

(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD

3rd Floor, Anara Square Plaza,

F-11 Markar, Islamabad

Ph: 011-2224215-16, FAX: 011-2224217

CONSULTANTS :

KASIB CONSULTANTS

PVT. LTD

DRAWING TITLE :

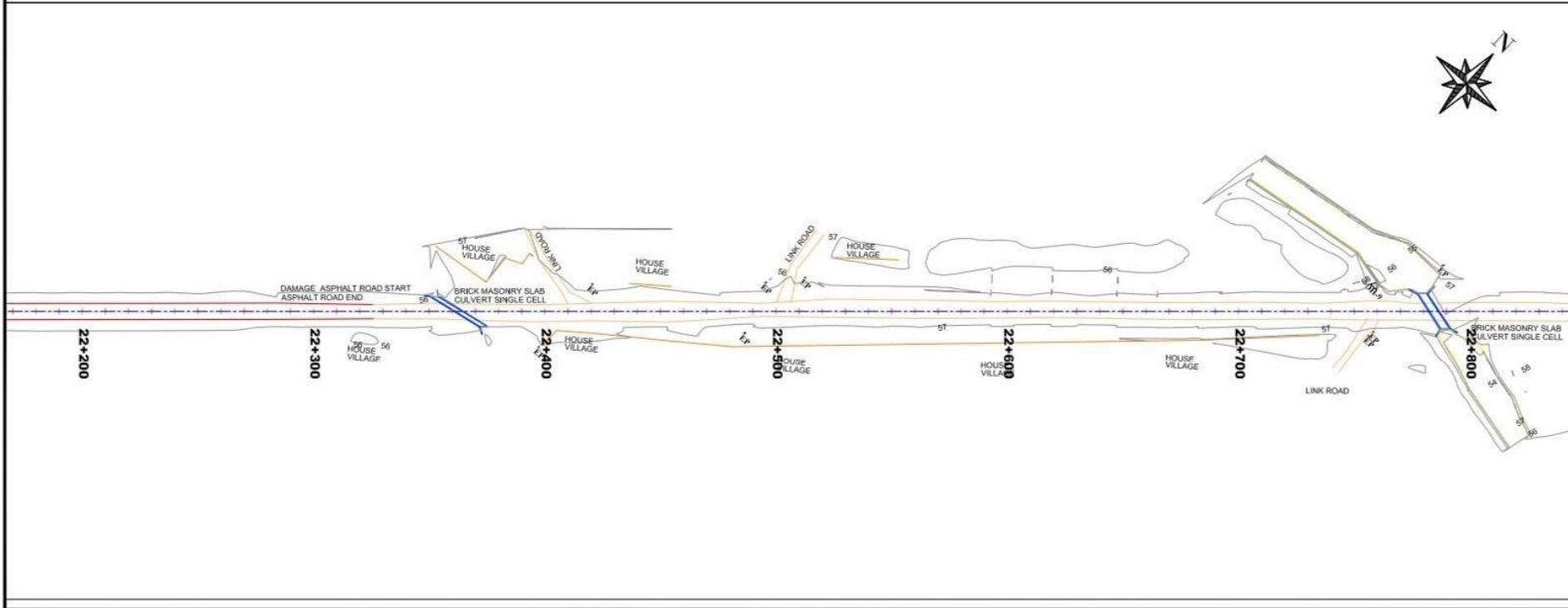
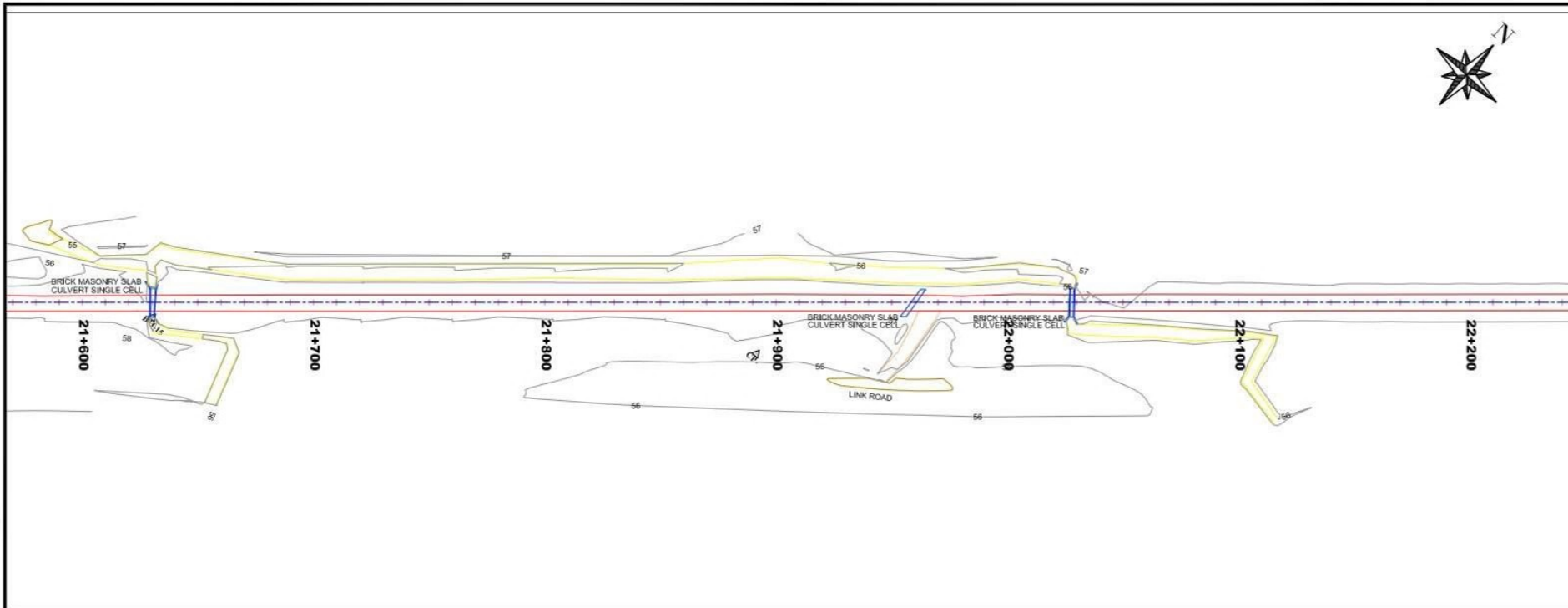
SURVEY PLAN

AT KM 20+400 TO 21+600

DESIGN BY:	SHEET NO:
SUNILA	18 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZI/IFRAP/SP/18



NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.

LEGEND	
CENTER LINE	---
SHOP AREA	---
ROAD	---
STREET	---
RAILWAY TRACK	---
CONTOURS	---
BOUNDARY	---
NALLAH	---
TRACK	---
KANTA BUILDING	---
BRICK 1 CULVERT SINGLE CELL	---
BUILDING	---
CONTOUR_JOIN	---
CENTER LINE	---
MOSQUE	---
PATROL PUMP	---
BRICK CULVERT 2 CELL	---
BRICKS 3 CELL CULVERT	---
GRAVE YARD	---
DRAIN	---

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anara Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

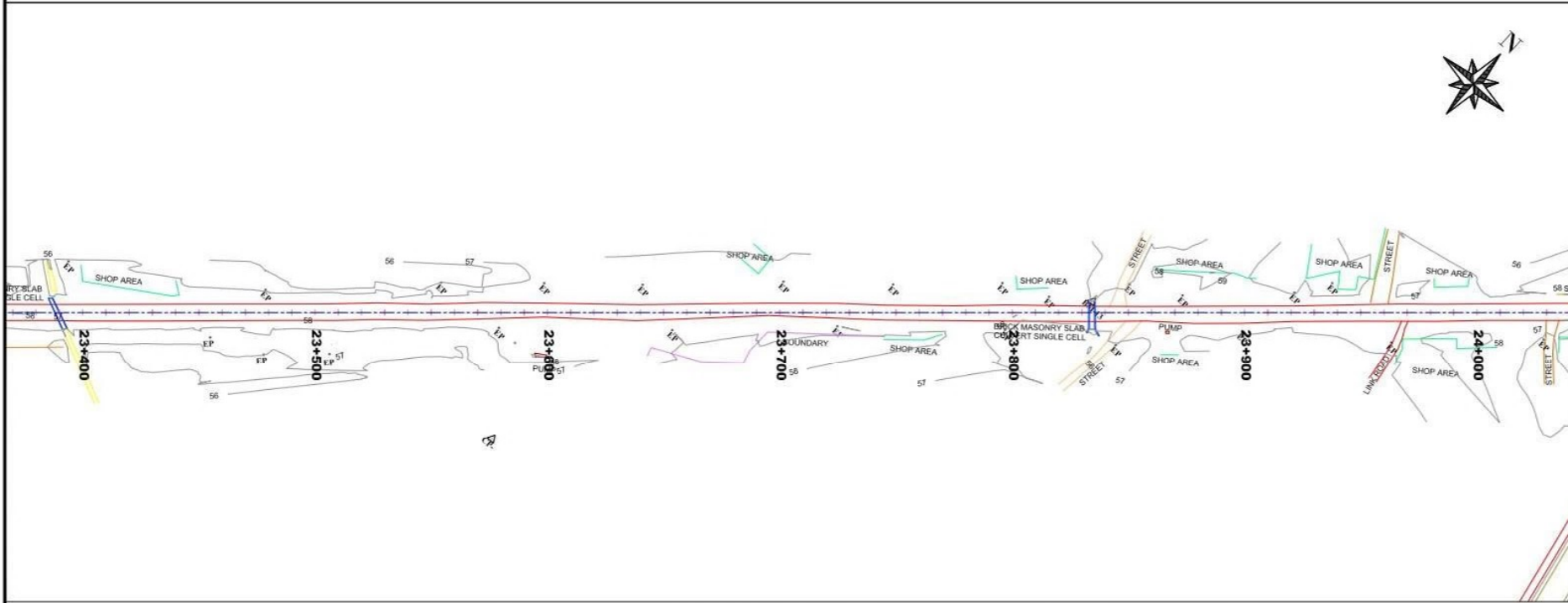
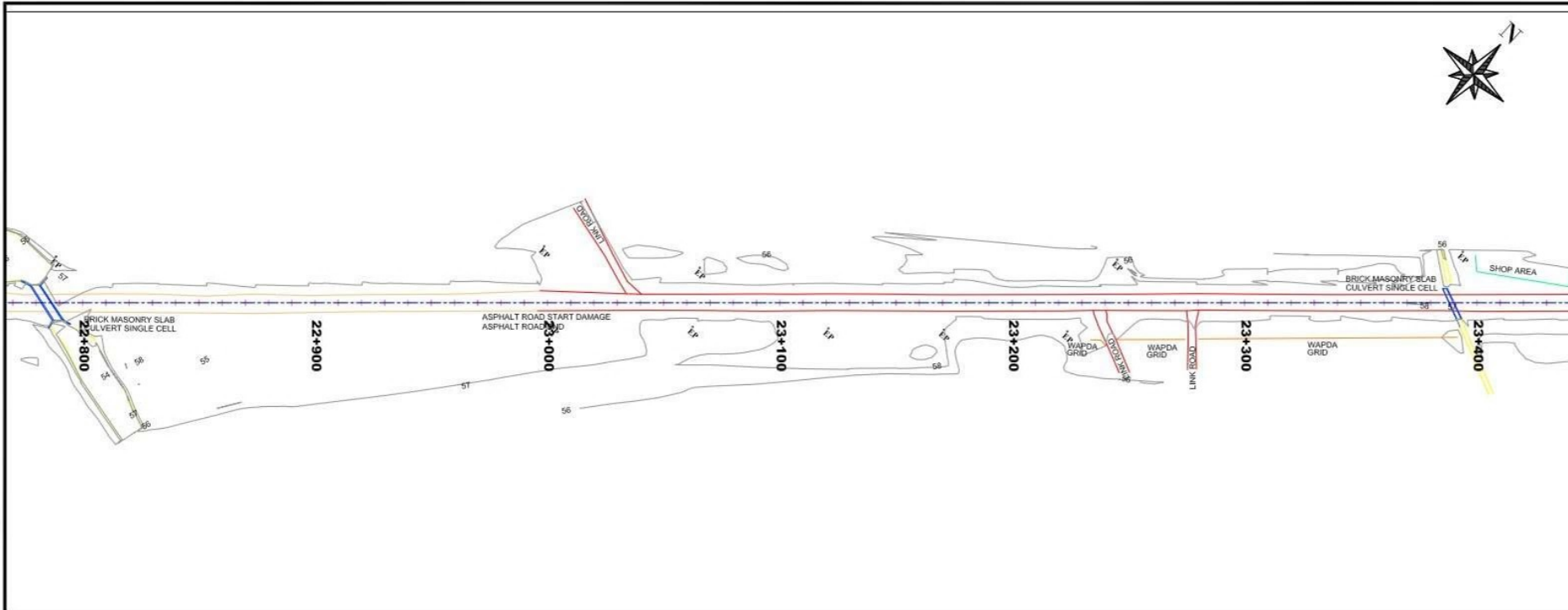
DRAWING TITLE :

SURVEY PLAN
AT KM 21+600 TO 22+800

DESIGN BY:	SHEET NO:
SUNILA	19 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/19



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR_10M
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

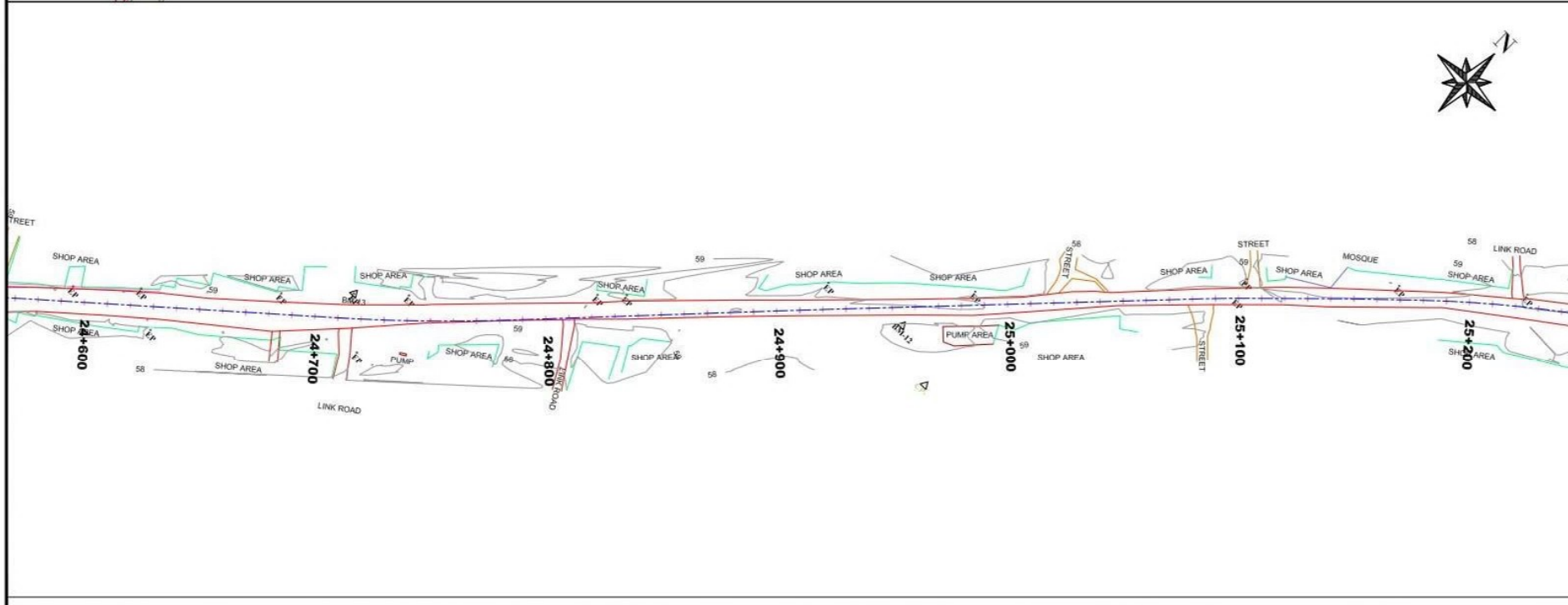
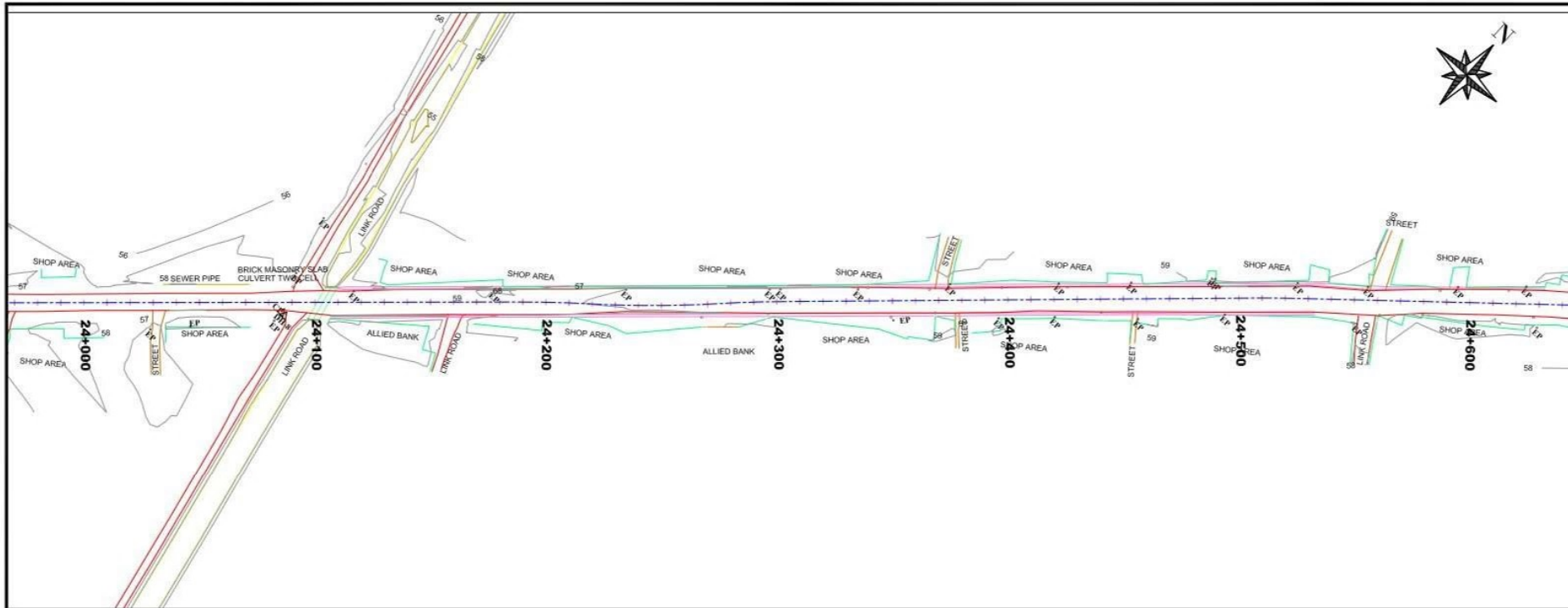
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
SURVEY PLAN
AT KM 22+800 TO 24+000

DESIGN BY:	SHEET NO:
SUNILA	20 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:
ZU/IFRAP/SP/20



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

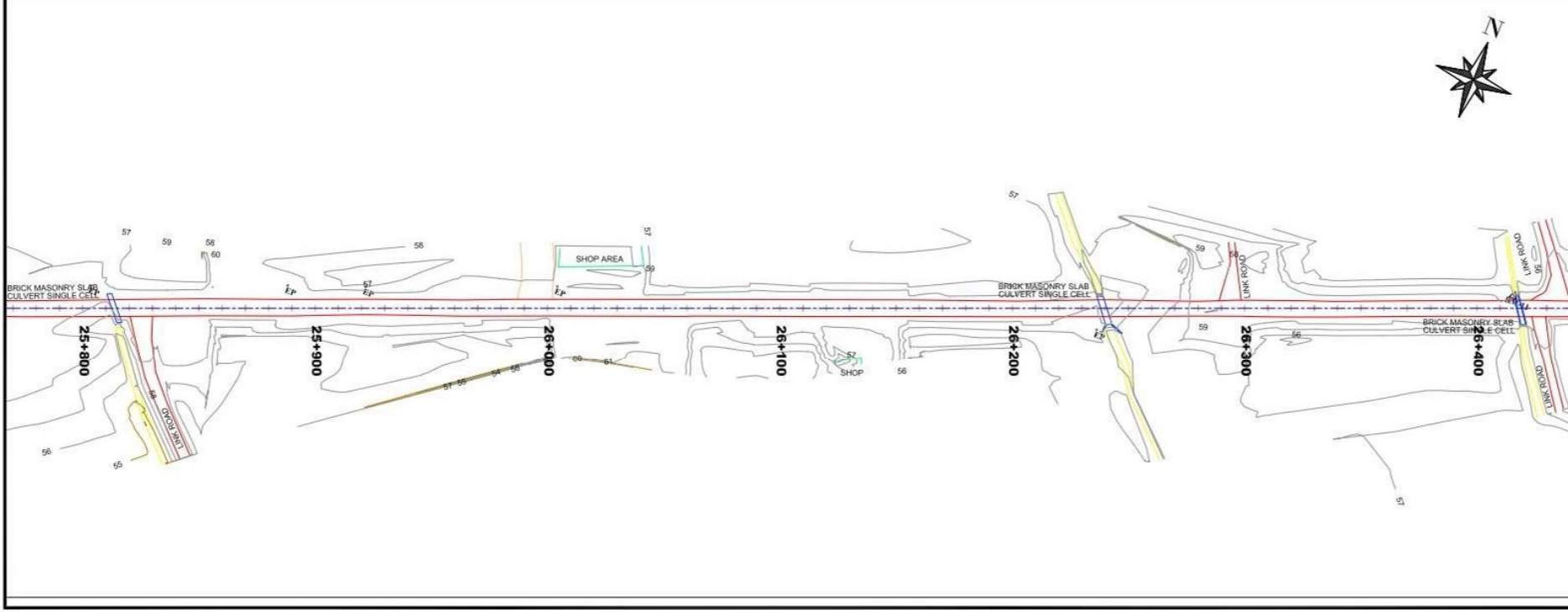
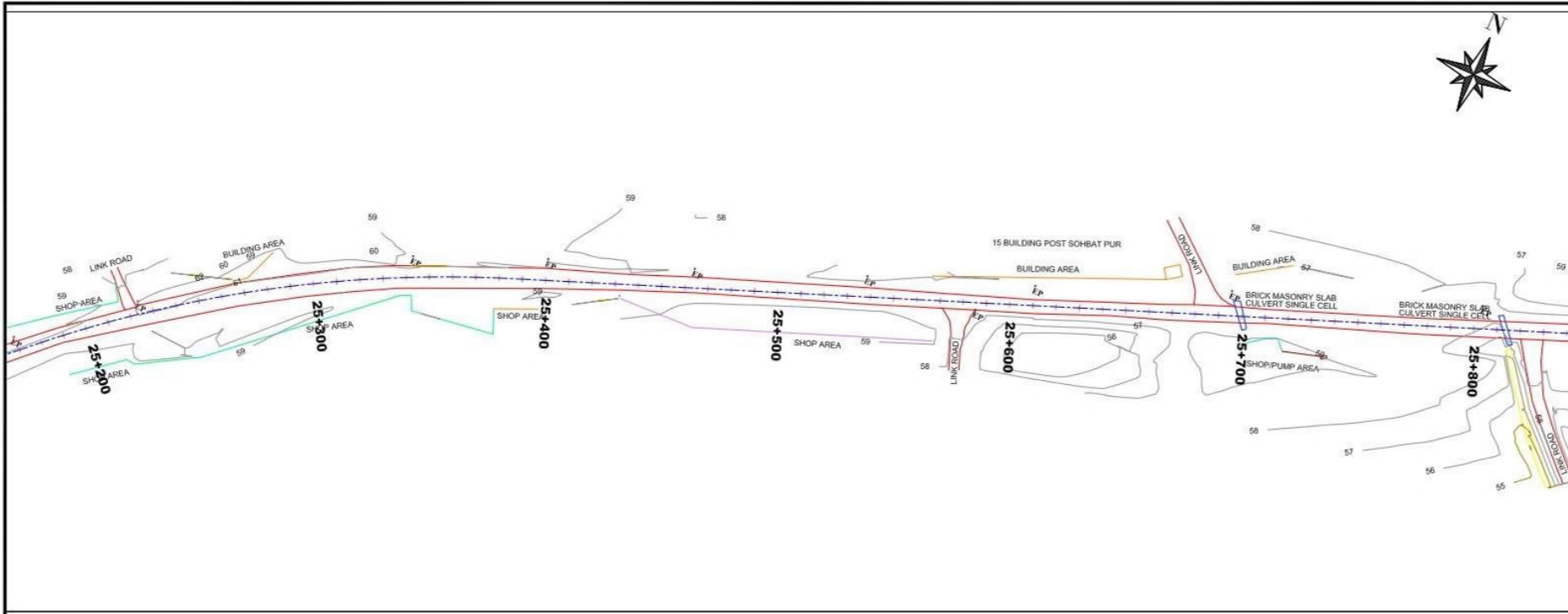
DRAWING TITLE:

**SURVEY PLAN
AT KM 24+000 TO 25+200**

DESIGN BY:	SUNILA	SHEET NO:	21 of 32
DRAWN BY:	AKHTAR	SCALE:	N.T.S
CHECKED BY:	KHURAM	DATE:	NOV. 2025
APPROVED BY:	RASHID	REVISION:	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/21



NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anara Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217

KASIB CONSULTANTS
PVT. LTD

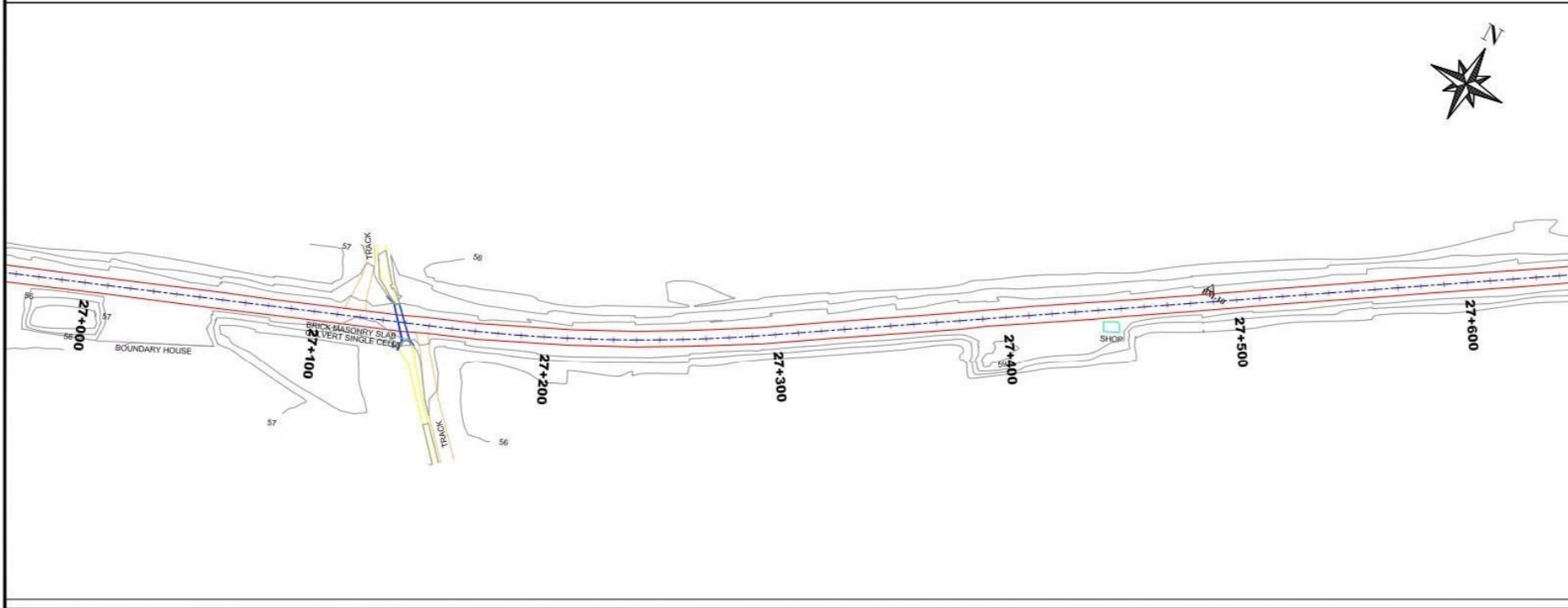
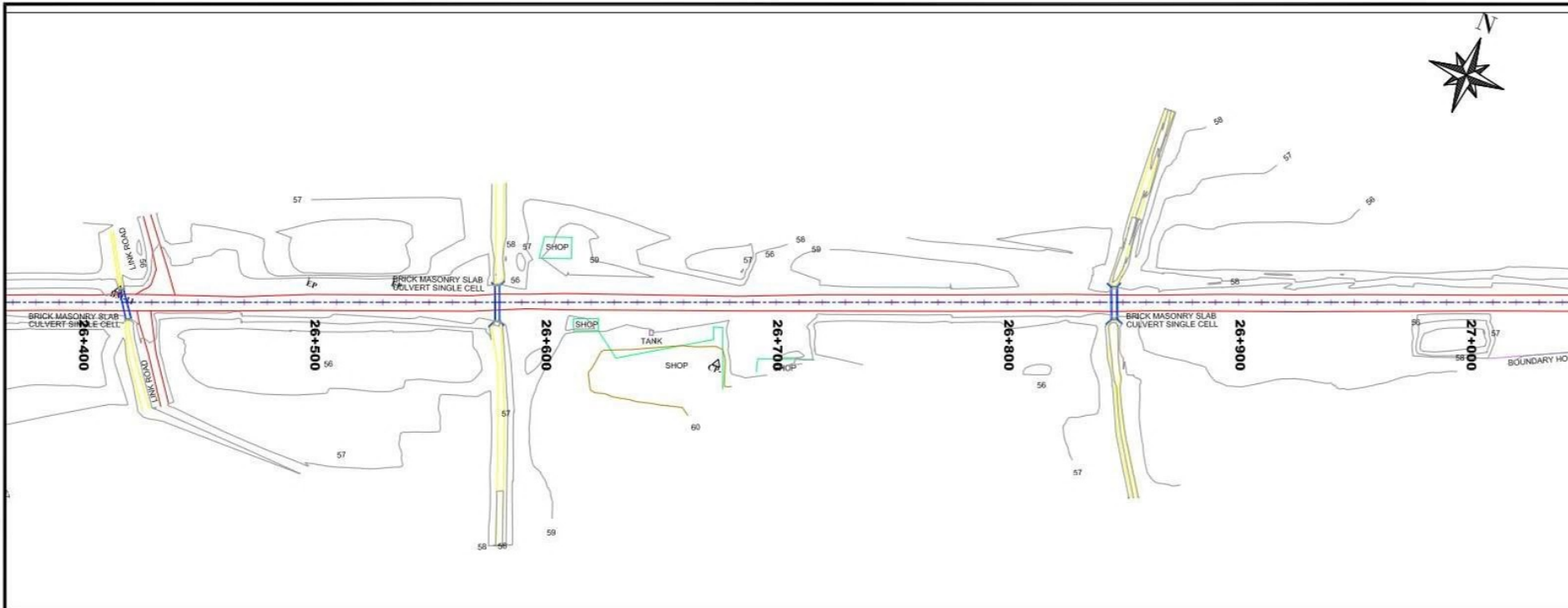
DRAWING TITLE :

SURVEY PLAN
AT KM 24+000 TO 25+200

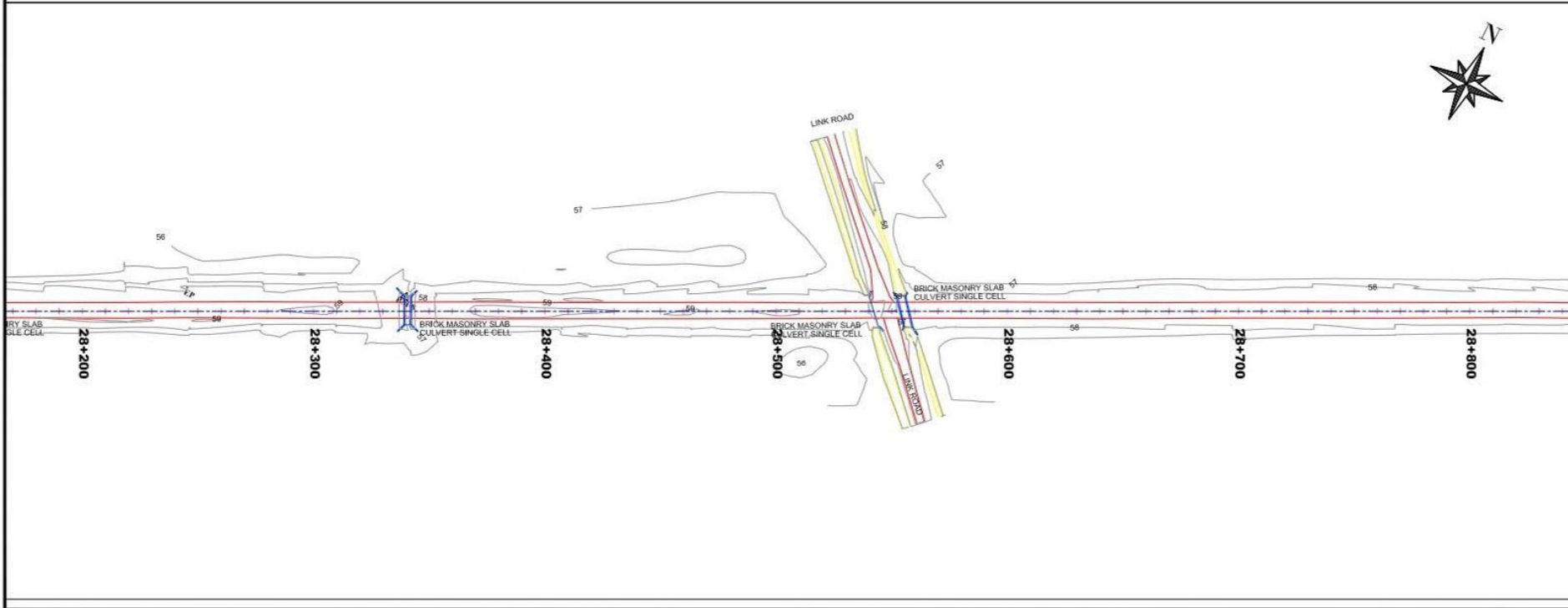
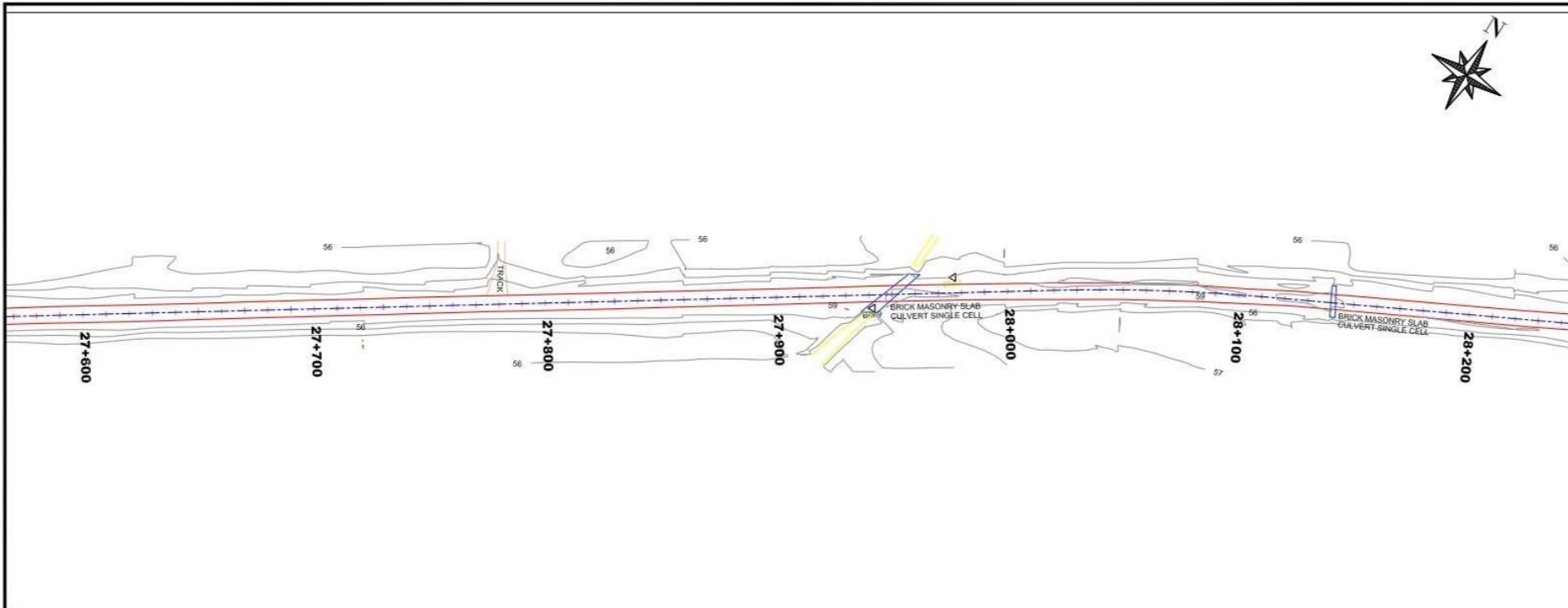
DESIGN BY :	SHEET NO :
SUNILA	22 of 32
DRAWN BY :	SCALE :
AKHTAR	N.T.S
CHECKED BY :	DATE :
KHURAM	NOV, 2025
APPROVED BY :	REVISION :
RASHID	REV. 00

CAD FILE NAME :

ZI/IFRAP/SP/22



NOTES 1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.		
LEGEND CENTER LINE SHOP AREA ROAD STREET RAILWAY TRACK CONTOURS BOUNDARY NALLAH TRACK KANTA BUILDING BRICK 1 CULVERT SINGLE CELL BUILDING CONTOUR_20M CENTER LINE MOSQUE PATROL PUMP BRICK CULVERT 2 CELL BRICKS 3 CELL CULVERT GRAVE YARD DRAIN		
REV	REVISION/ISSUE	DATE
CLIENT : Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I		
PROJECT : Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)		
LEAD CONSULTANT : ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plots, F-11 Markar, Islamabad Ph: 011-2224215-16, FAX: 011-2224217 KASIB CONSULTANTS PVT. LTD		
DRAWING TITLE : SURVEY PLAN AT KM 26+400 TO 27+600		
DESIGN BY :	SHEET NO:	
SUNILA	23 of 32	
DRAWN BY :	SCALE:	
AKHTAR	N.T.S	
CHECKED BY :	DATE:	
KHURAM	NOV, 2025	
APPROVED BY :	REVISION:	
RASHID	REV. 00	
CAD FILE NAME: ZU/IFRAP/SP/23		



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR_0.00
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

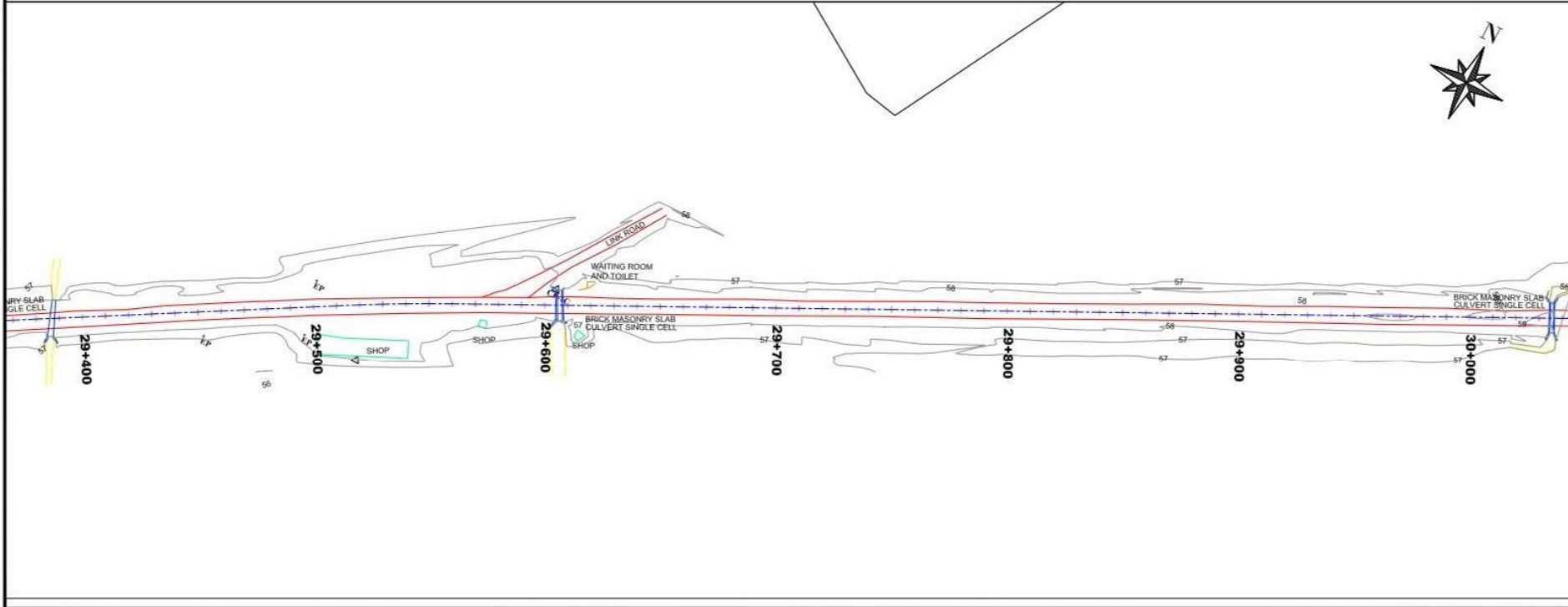
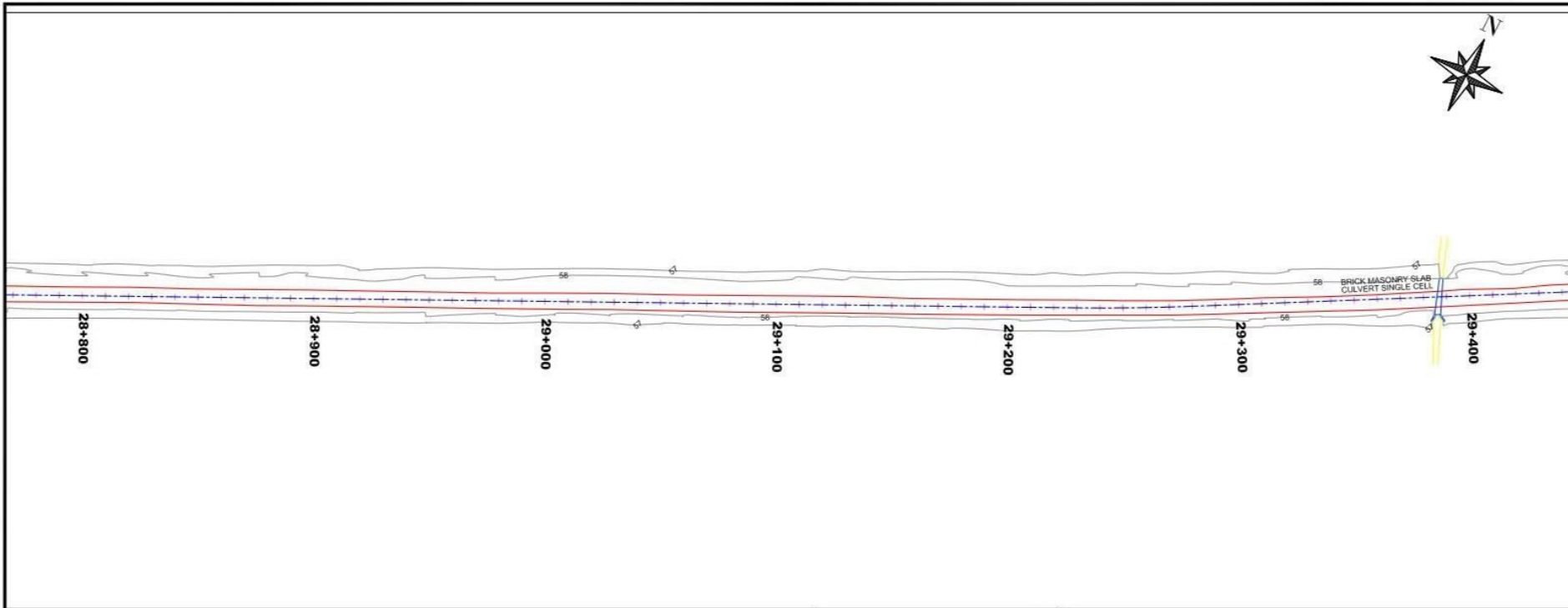
DRAWING TITLE :

SURVEY PLAN
AT KM 27+600 TO 28+800

DESIGN BY:	SHEET NO:
SUNILA	24 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/24



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

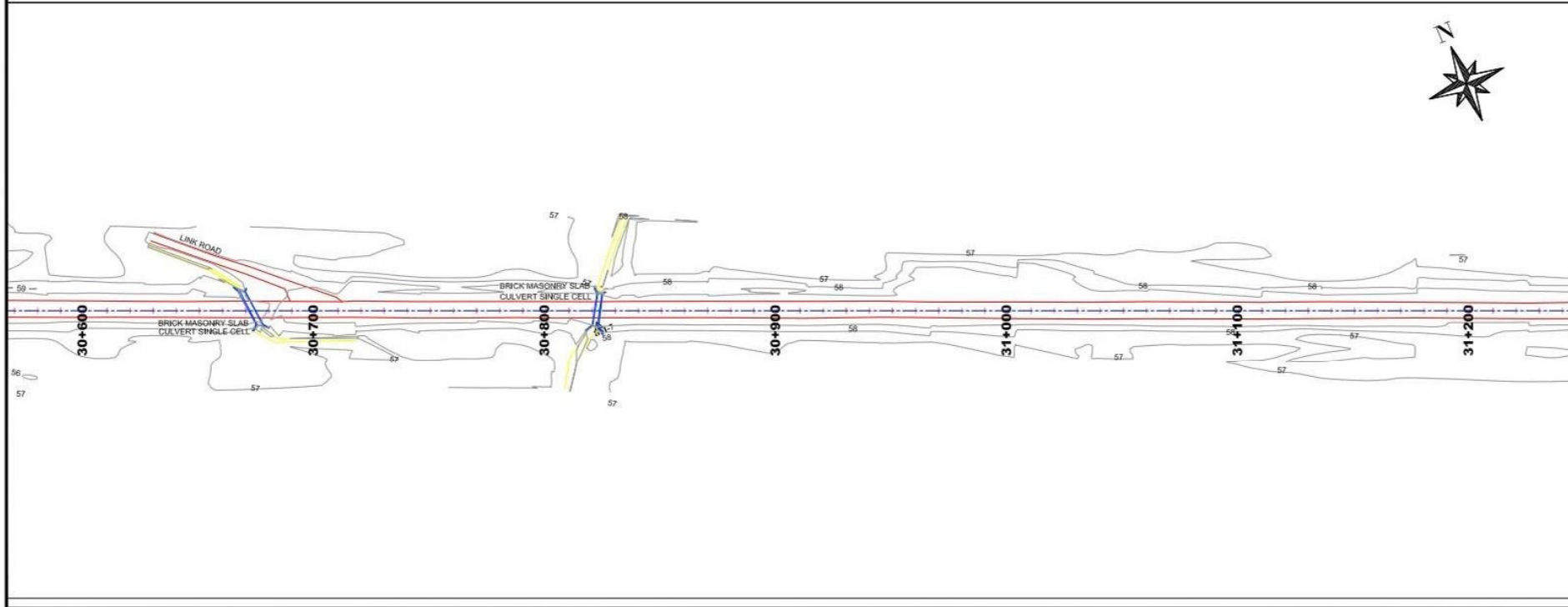
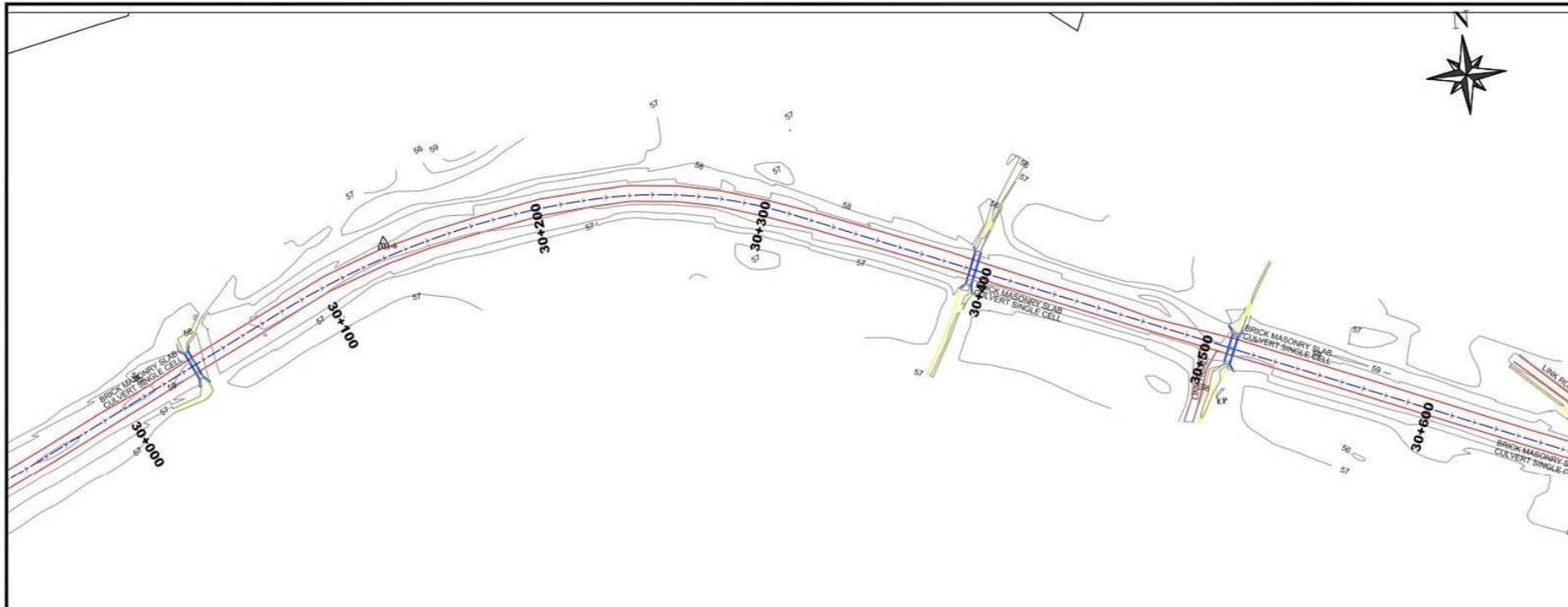
DRAWING TITLE :

SURVEY PLAN
AT KM 28+800 TO 30+000

DESIGN BY:	SUNILA	SHEET NO:	25 of 32
DRAWN BY:	AKHTAR	SCALE:	N.T.S
CHECKED BY:	KHURAM	DATE:	NOV, 2025
APPROVED BY:	RASHID	REVISION:	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/25



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

CENTER LINE	---
SHOP AREA	---
ROAD	---
STREET	---
RAILWAY TRACK	---
CONTOURS	---
BOUNDARY	---
NALLAH	---
TRACK	---
KANTA BUILDING	---
BRICK 1 CULVERT SINGLE CELL	---
BUILDING	---
CONTOUR JACK	---
CENTER LINE	---
MOSQUE	---
PATROL PUMP	---
BRICK CULVERT 2 CELL	---
BRICKS 3 CELL CULVERT	---
GRAVE YARD	---
DRAIN	---

REV.	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

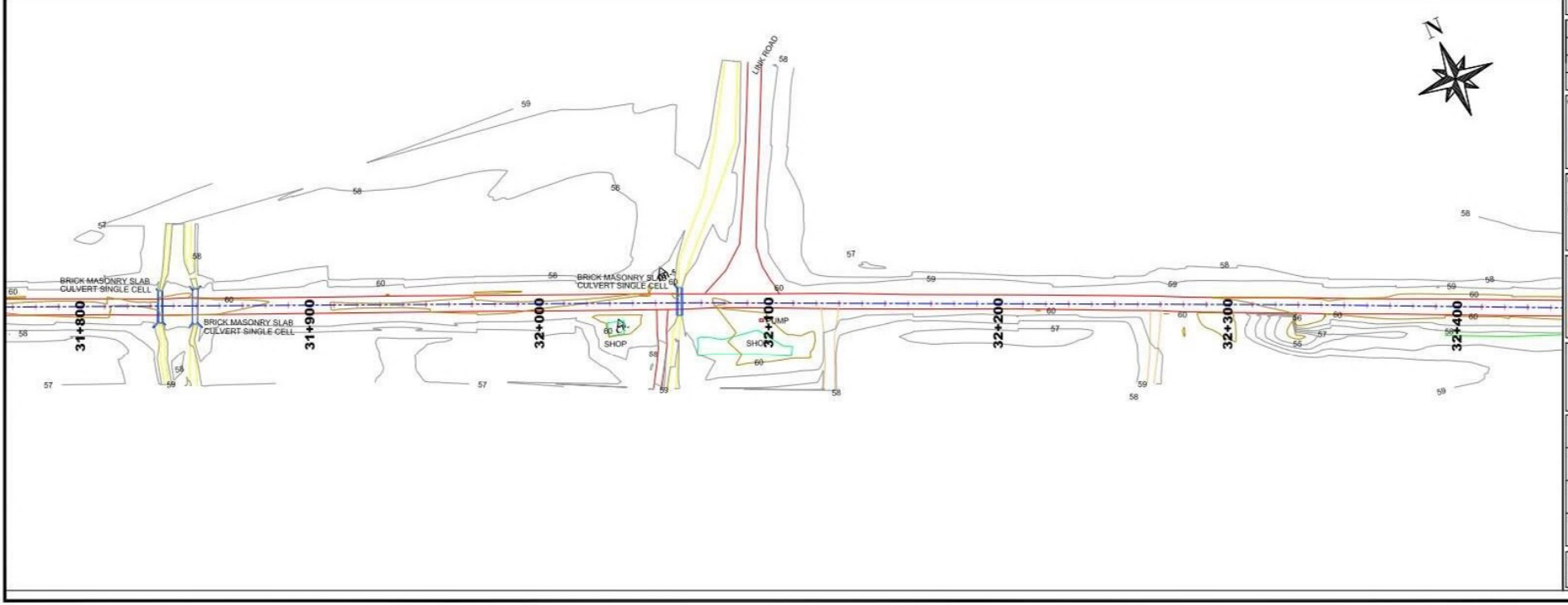
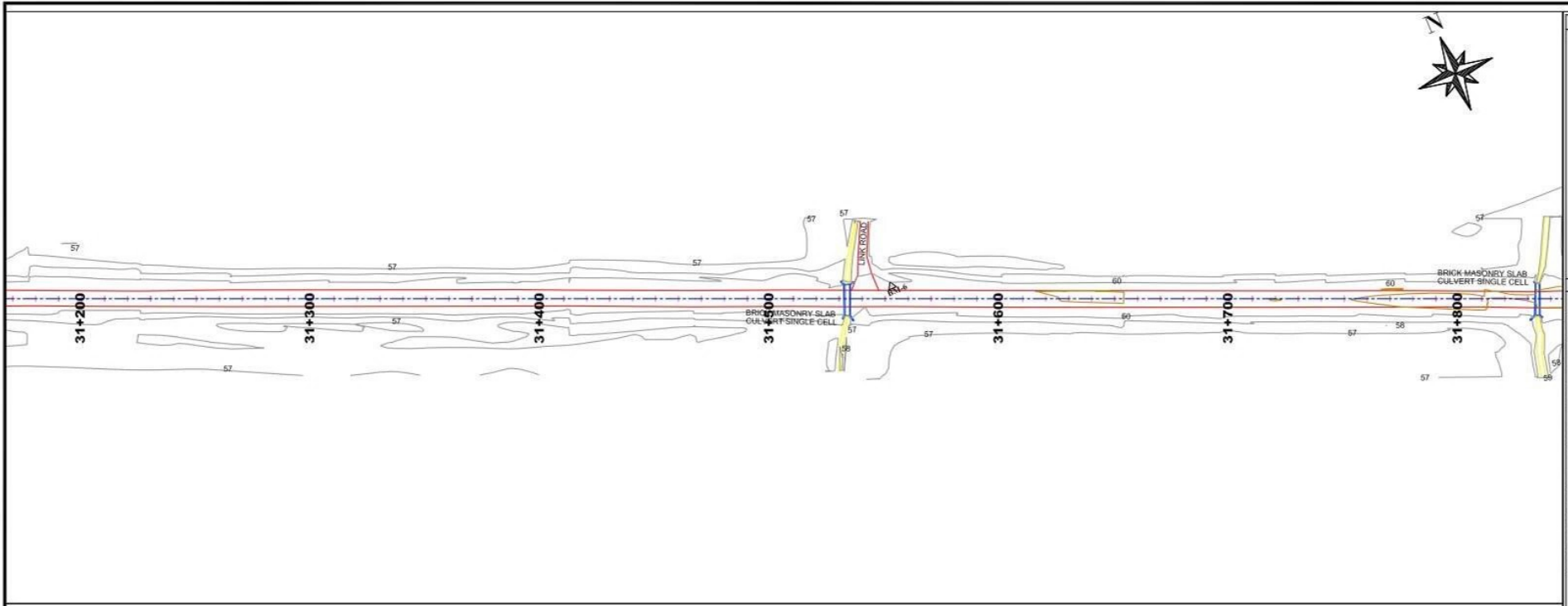
DRAWING TITLE :

**SURVEY PLAN
AT KM 30+000 TO 31+200**

DESIGN BY:	SUNILA	SHEET NO:	26 of 32
DRAWN BY:	AKHTAR	SCALE:	N.T.S
CHECKED BY:	KHURAM	DATE:	NOV, 2025
APPROVED BY:	RASHID	REVISION:	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/26



NOTES

1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR_JOIN
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
7-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASIB CONSULTANTS
PVT. LTD

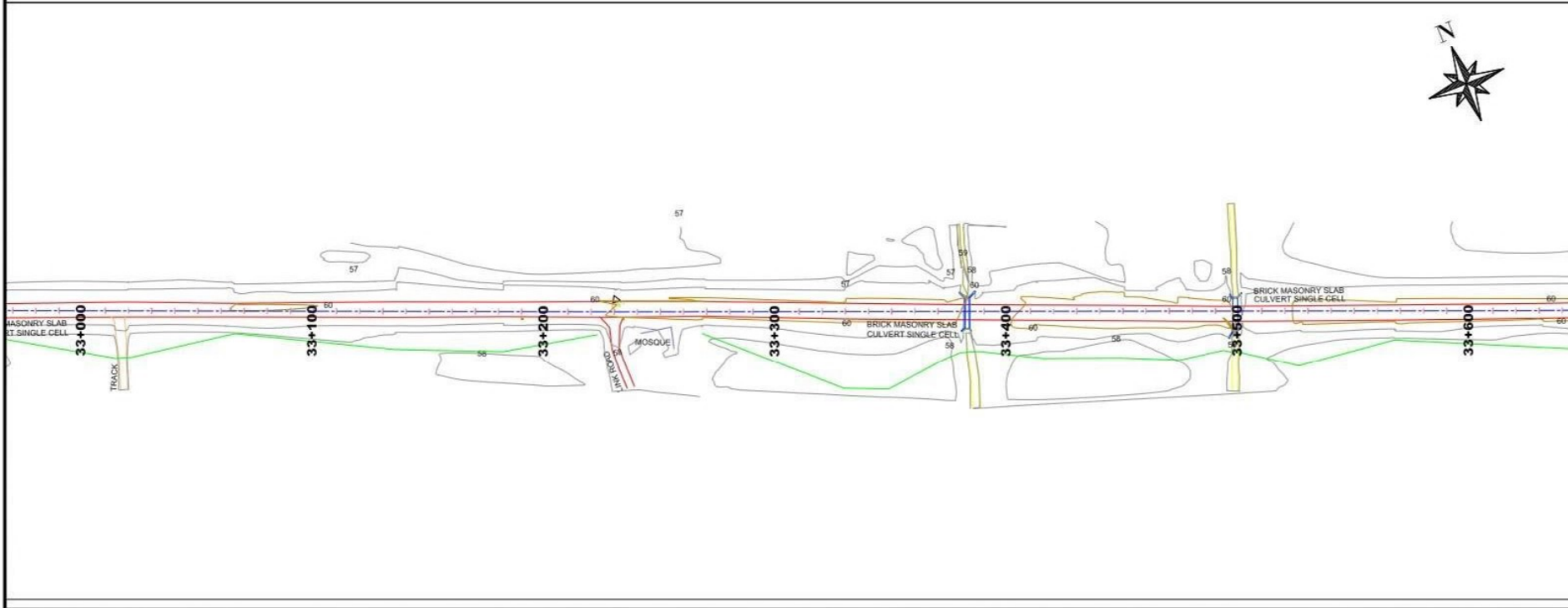
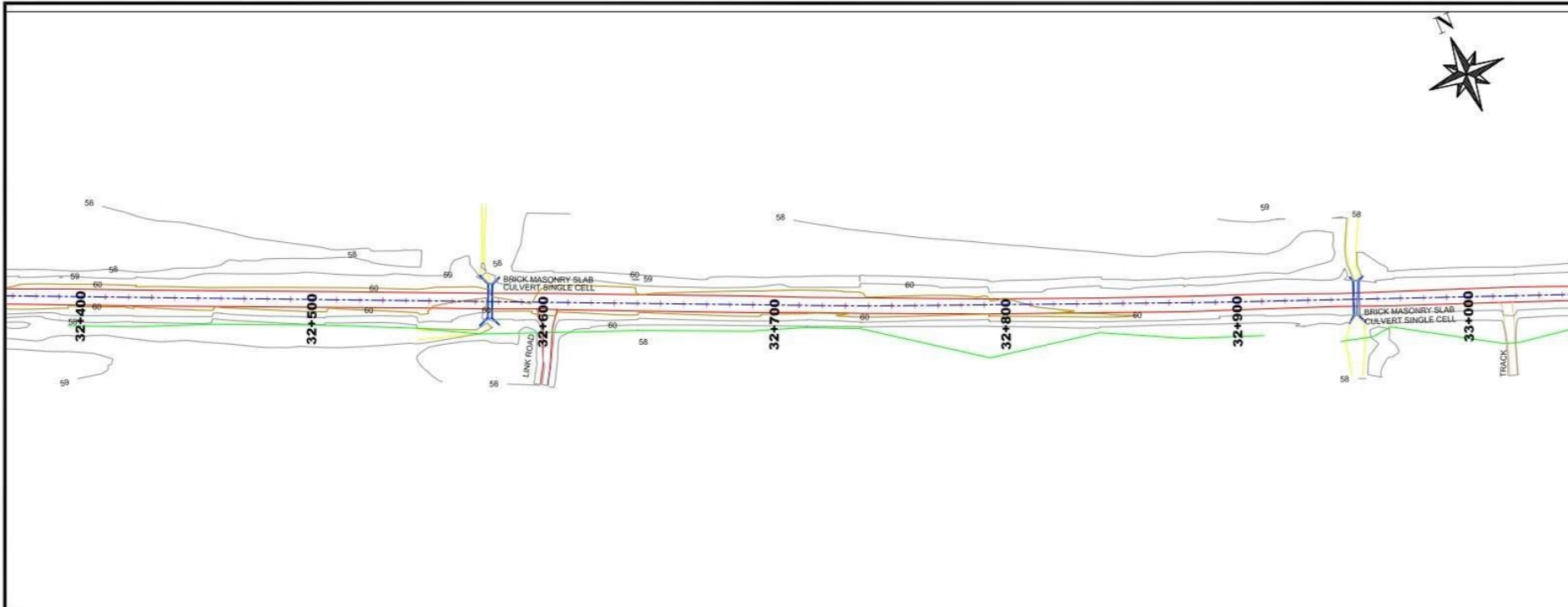
DRAWING TITLE :

**SURVEY PLAN
AT KM 31+200 TO 32+400**

DESIGN BY:	SHEET NO:
SUNILA	27 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/27



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

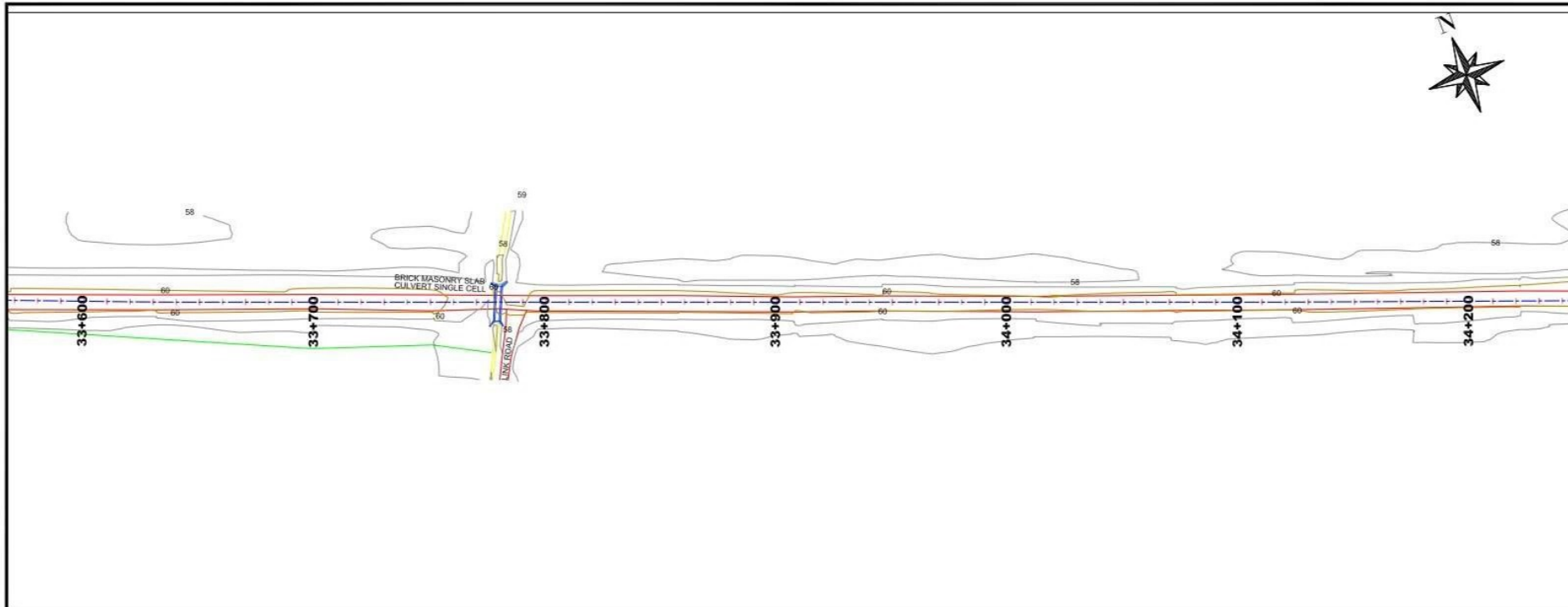
DRAWING TITLE :

SURVEY PLAN
AT KM 32+400 TO 33+600

DESIGN BY:	SUNILA	SHEET NO:	28 of 32
DRAWN BY:	AKHTAR	SCALE:	N.T.S
CHECKED BY:	KHURAM	DATE:	NOV. 2025
APPROVED BY:	RASHID	REVISION:	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/28



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

CENTER LINE	---
SHOP AREA	---
ROAD	---
STREET	---
RAILWAY TRACK	---
CONTOURS	---
BOUNDARY	---
NALLAH	---
TRACK	---
KANTA BUILDING	---
BRICK 1 CULVERT SINGLE CELL	---
BUILDING	---
CONTOUR JACK	---
CENTER LINE	---
MOSQUE	---
PATROL PUMP	---
BRICK CULVERT 2 CELL	---
BRICKS 3 CELL CULVERT	---
GRAVE YARD	---
DRAIN	---

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASIB CONSULTANTS
PVT. LTD.

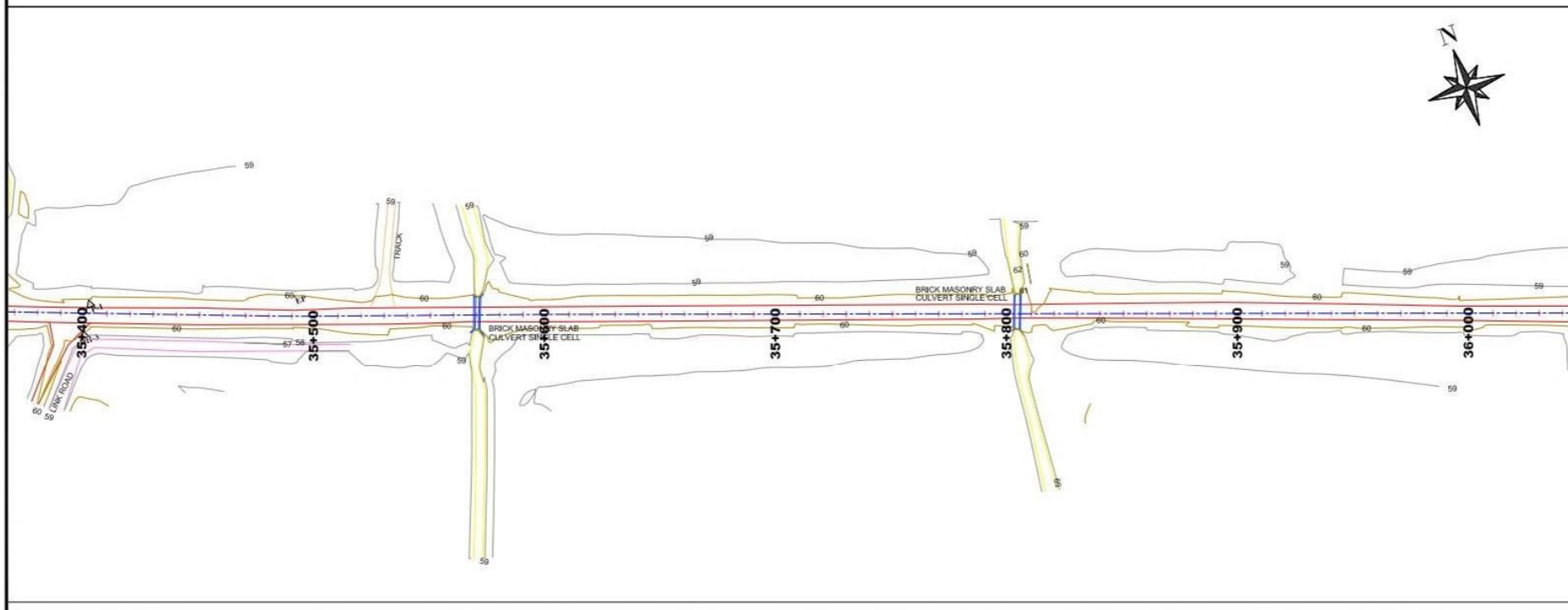
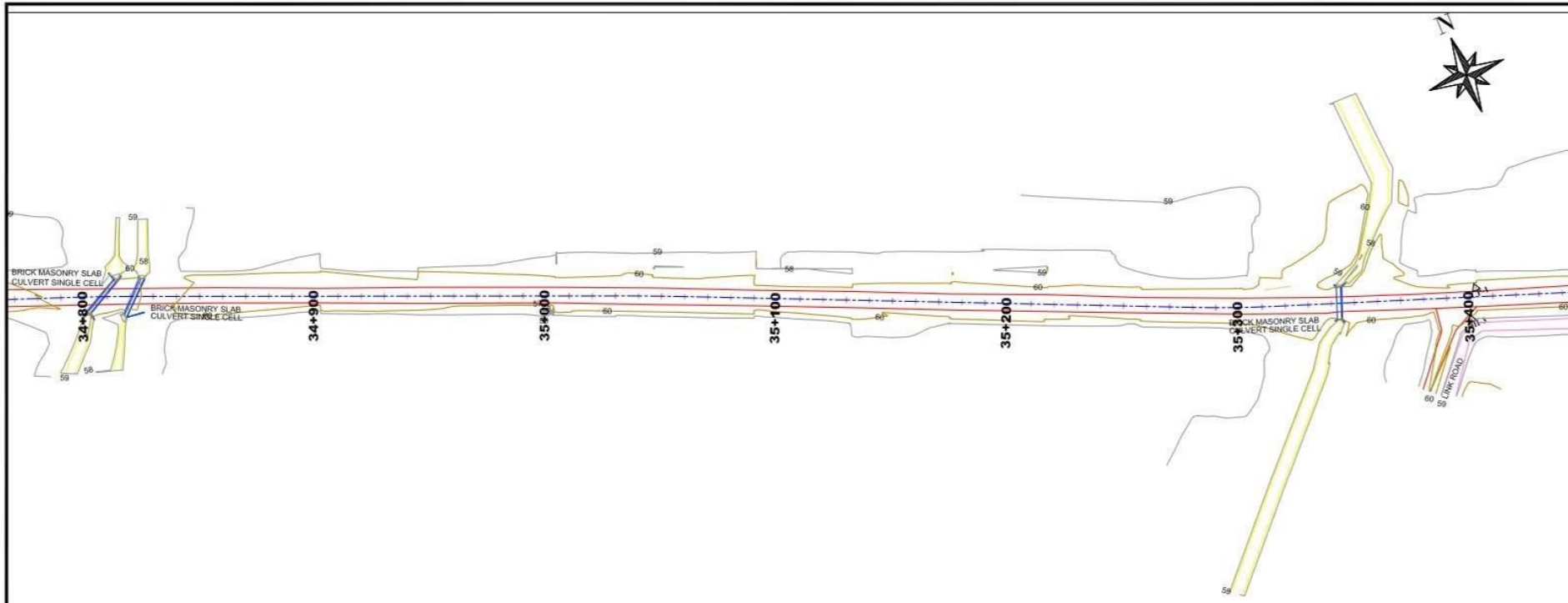
DRAWING TITLE :

**SURVEY PLAN
AT KM 33+600 TO 34+800**

DESIGN BY:	SHEET NO:
SUNILA	29 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/29



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR JACK
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

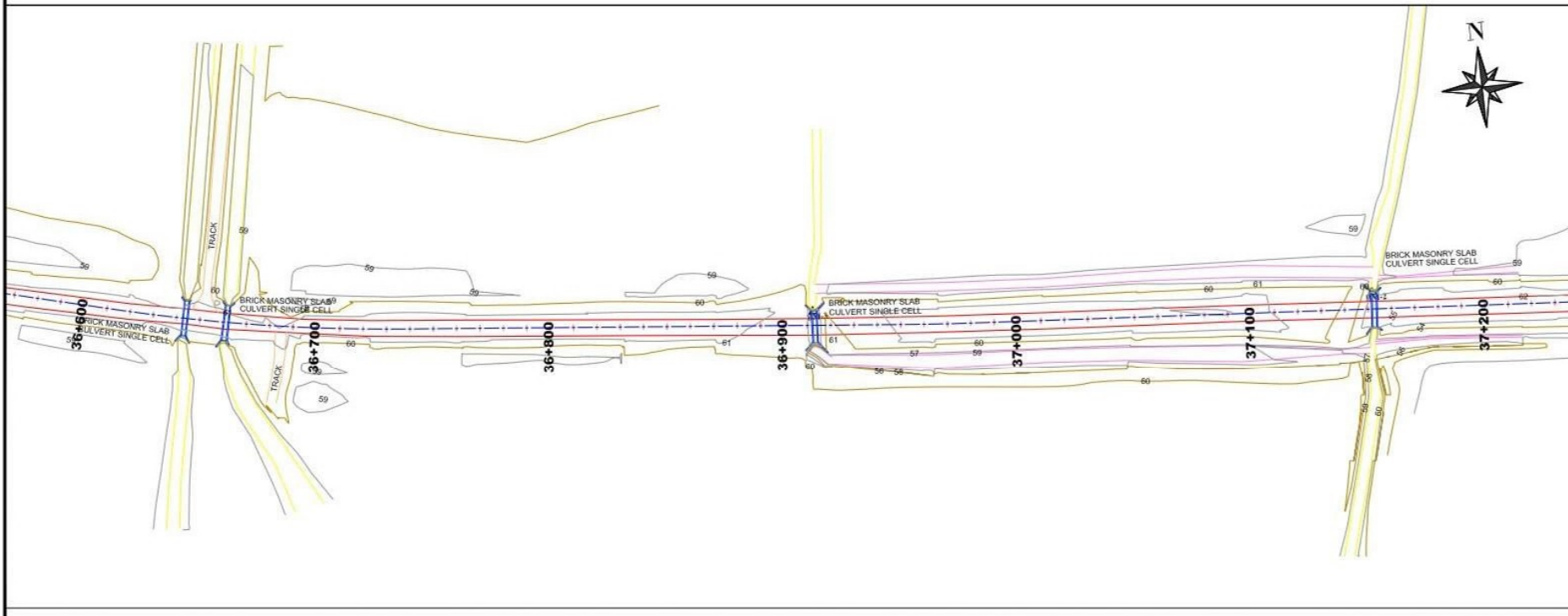
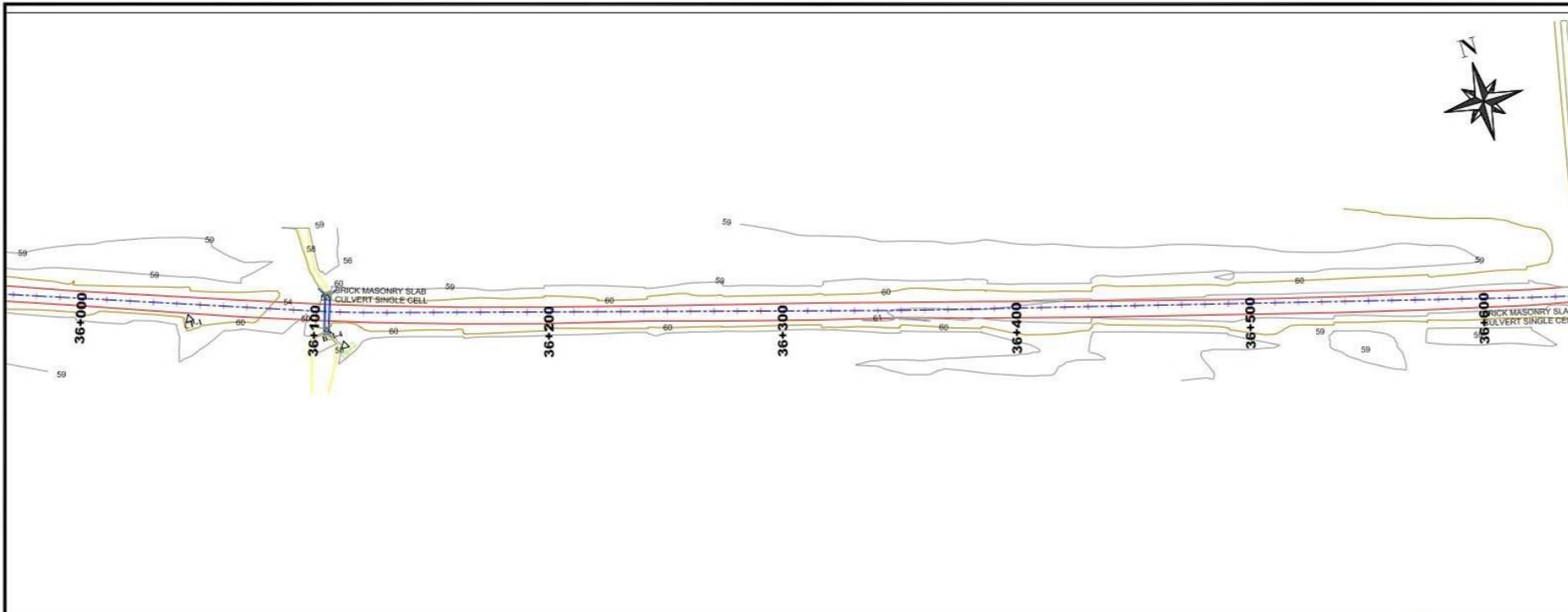
DRAWING TITLE :

**SURVEY PLAN
AT KM 34+800 TO 36+000**

DESIGN BY :	SHEET NO :
SUNILA	20 of 32
DRAWN BY :	SCALE :
AKHTAR	N.T.S
CHECKED BY :	DATE :
KHURAM	NOV, 2025
APPROVED BY :	REVISION :
RASHID	REV. 00

CAD FILE NAME :

ZU/IFRAP/SP/30



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND	
CENTER LINE	—
SHOP AREA	—
ROAD	—
STREET	—
RAILWAY TRACK	—
CONTOURS	—
BOUNDARY	—
NALLAH	—
TRACK	—
KANTA BUILDING	—
BRICK 1 CULVERT SINGLE CELL	—
BUILDING	—
CONTOUR JACK	—
CENTER LINE	—
MOSQUE	—
PATROL PUMP	—
BRICK CULVERT 2 CELL	—
BRICKS 3 CELL CULVERT	—
GRAVE YARD	—
DRAIN	—

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

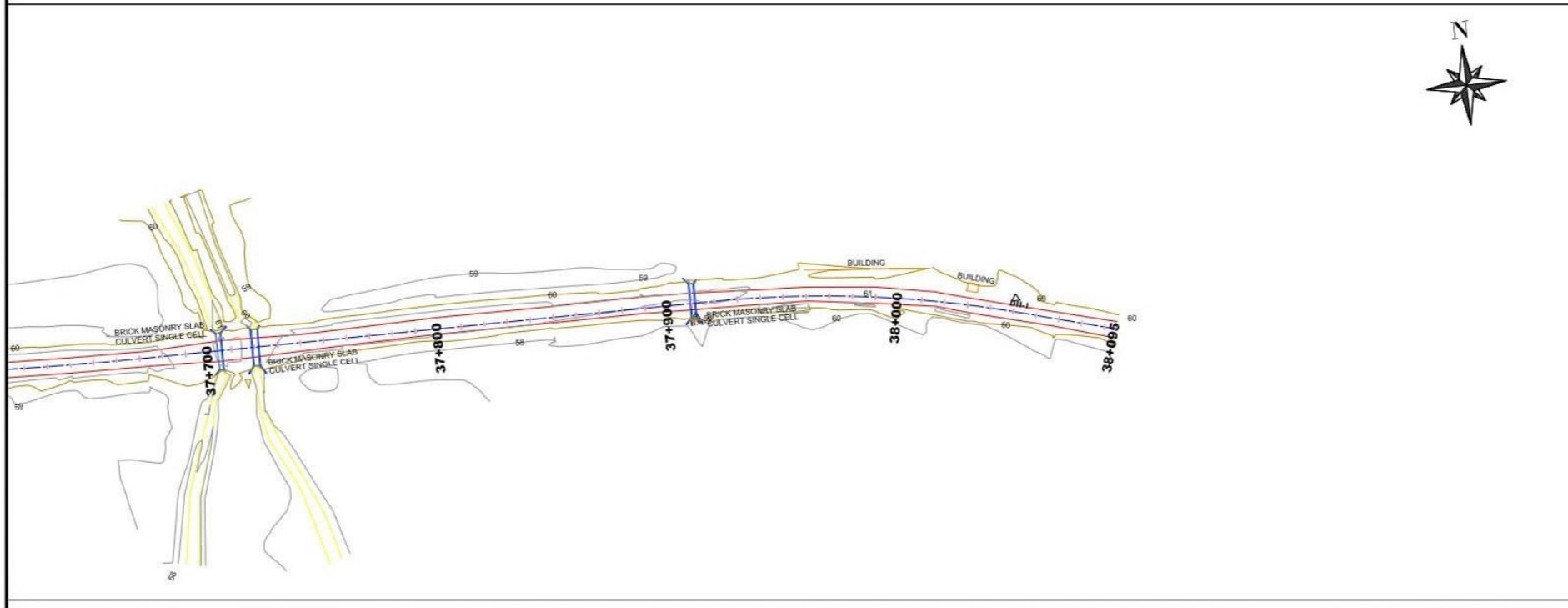
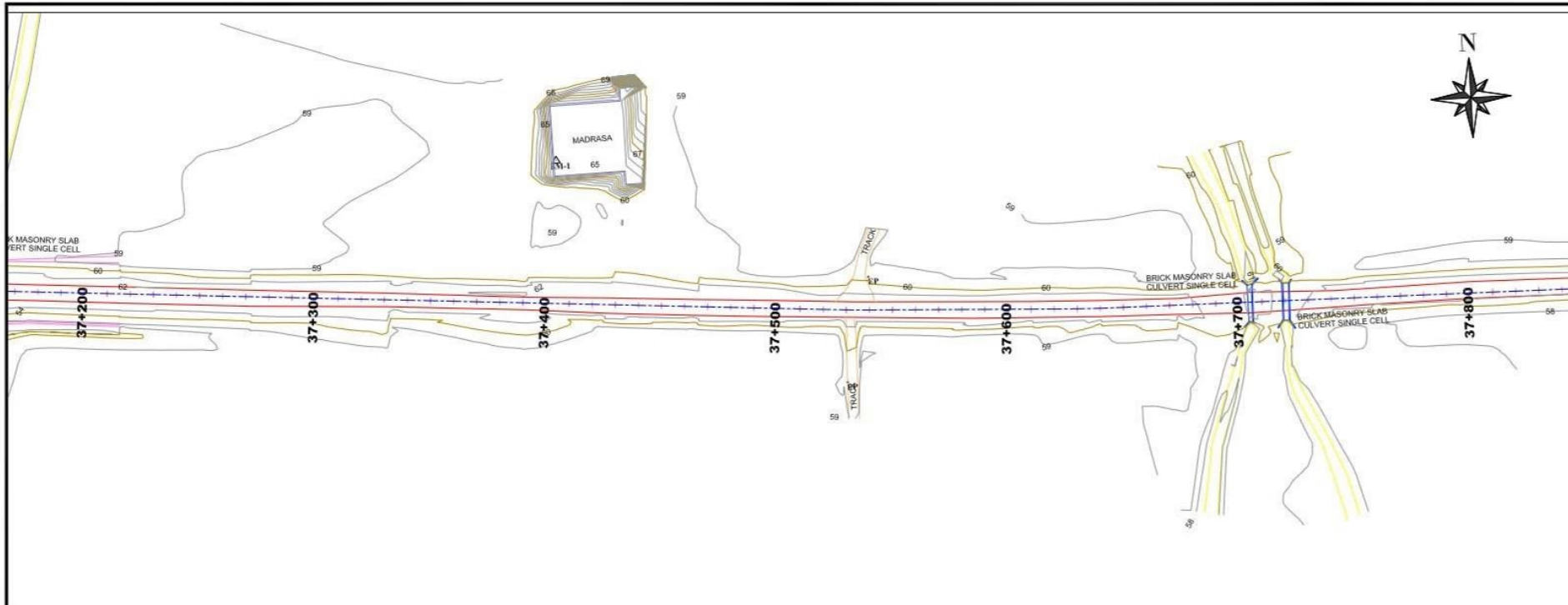
DRAWING TITLE :

SURVEY PLAN
AT KM 36+000 TO 37+200

DESIGN BY:	SUNILA	SHEET NO:	31 of 32
DRAWN BY:	AKHTAR	SCALE:	N.T.S
CHECKED BY:	KHURAM	DATE:	NOV. 2025
APPROVED BY:	RASHID	REVISION:	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/31



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

- CENTER LINE
- SHOP AREA
- ROAD
- STREET
- RAILWAY TRACK
- CONTOURS
- BOUNDARY
- NALLAH
- TRACK
- KANTA BUILDING
- BRICK 1 CULVERT SINGLE CELL
- BUILDING
- CONTOUR_0.00
- CENTER LINE
- MOSQUE
- PATROL PUMP
- BRICK CULVERT 2 CELL
- BRICKS 3 CELL CULVERT
- GRAVE YARD
- DRAIN

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
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KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

SURVEY PLAN
AT KM 37+200 TO 38+095

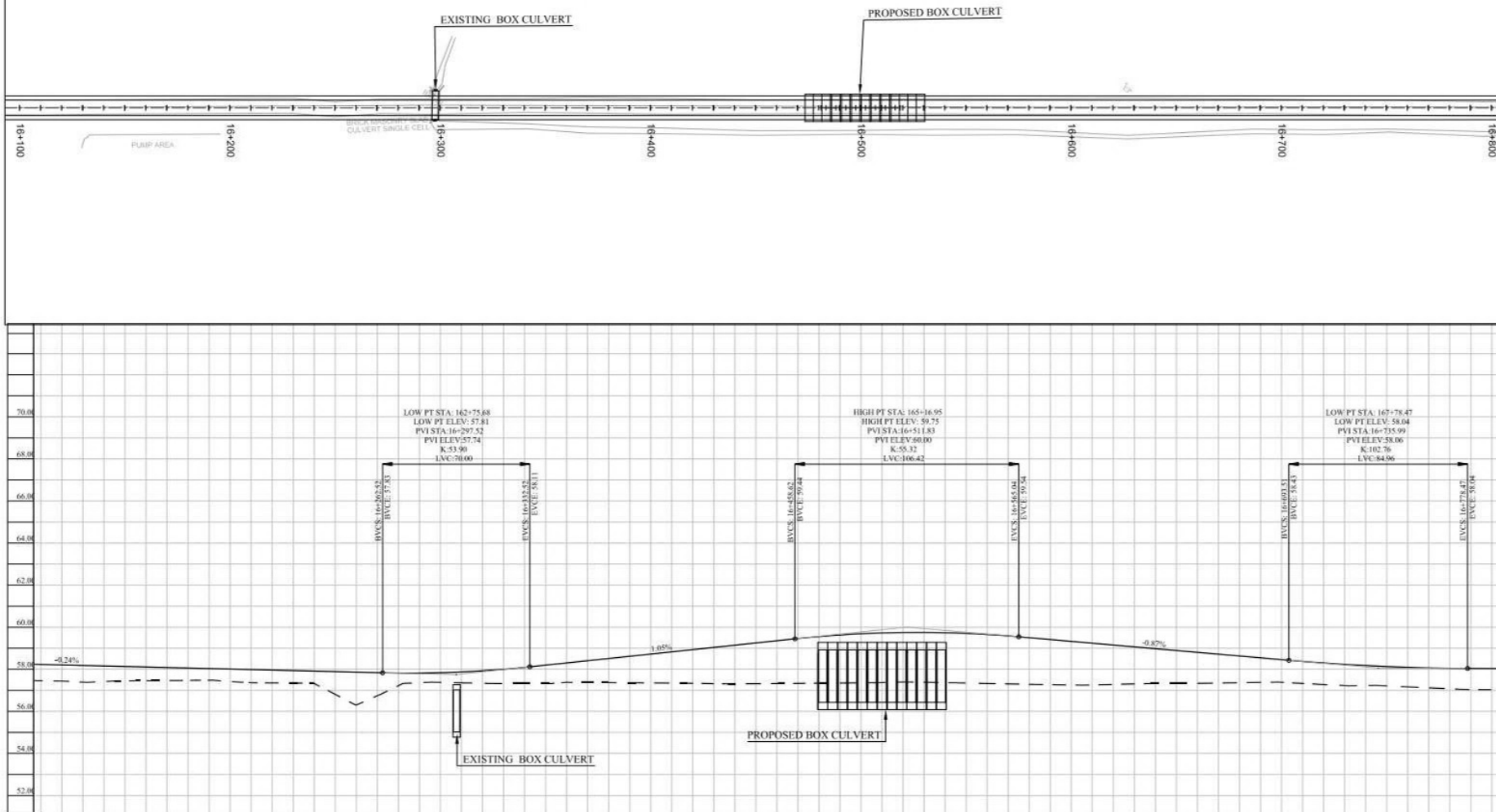
DESIGN BY:	SHEET NO:
SUNILA	32 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/SP/32

DERA ALLAHYAR TO HAIRDIN (38 KM)

PLAN & PROFILE DRAWING



- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP. AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE	---
ROAD EDGE	---
SHOULDER EDGE	---
P.G.L.	---
E.G.L.	---
BUILDING	[Symbol]
RIVER / CANAL	[Symbol]
TREE	[Symbol]
PROPOSED BOX CULVERT	[Symbol]
HF	[Symbol]

ABBREVIATION

STA.	STATION
H.C.D.	HORIZONTAL CURVE DATA
V.C.D.	VERTICAL CURVE DATA
P.G.L.	PROPOSED GRADE LEVEL
E.G.L.	EXISTING GROUND LEVEL
L.DIFF.	LEVEL DIFFERENCE
BVCS.	BEGINNING OF VERTICAL CURVE STATION
EVCS.	END OF VERTICAL CURVE STATION
PVI.	POINT OF VERTICAL INTERSECTION
ELEV.	ELEVATION
LVC.	LENGTH OF VERTICAL CURVE
K.	(RATE OF VERTICAL CURVATURE)
R.	RADIUS OF HORIZONTAL CURVE
W.	WIDTH
H.	HEIGHT

REV.	DRAWING UPDATED	DATE
1	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

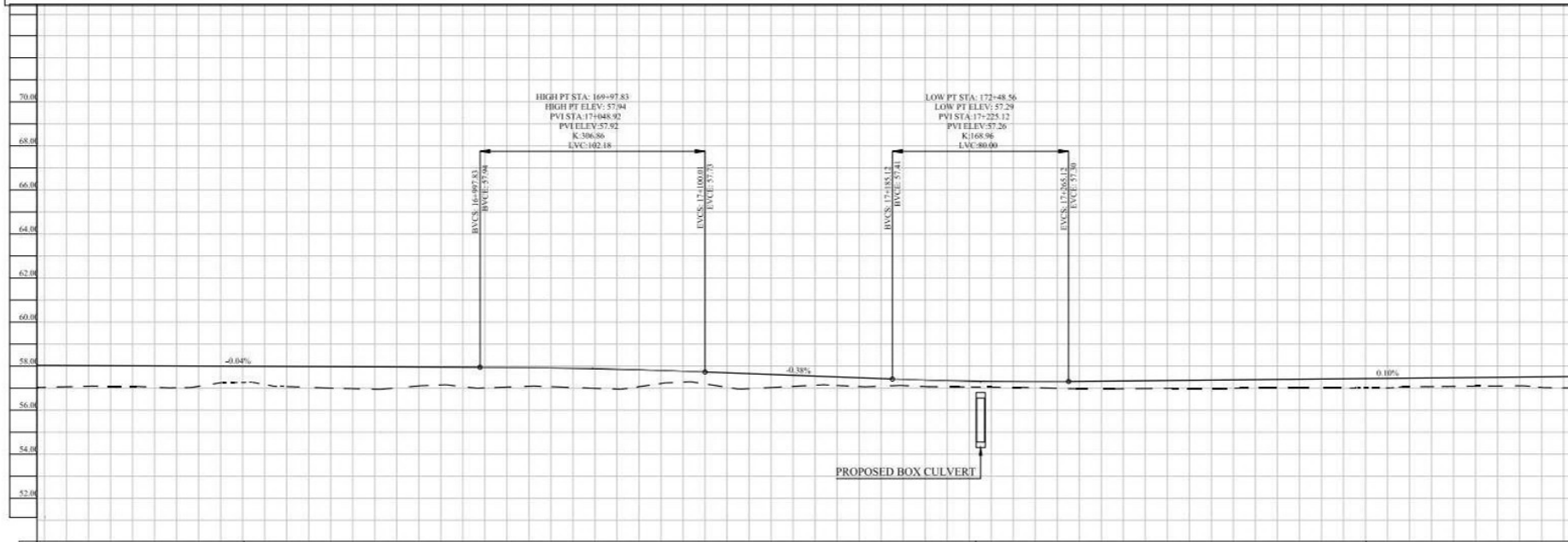
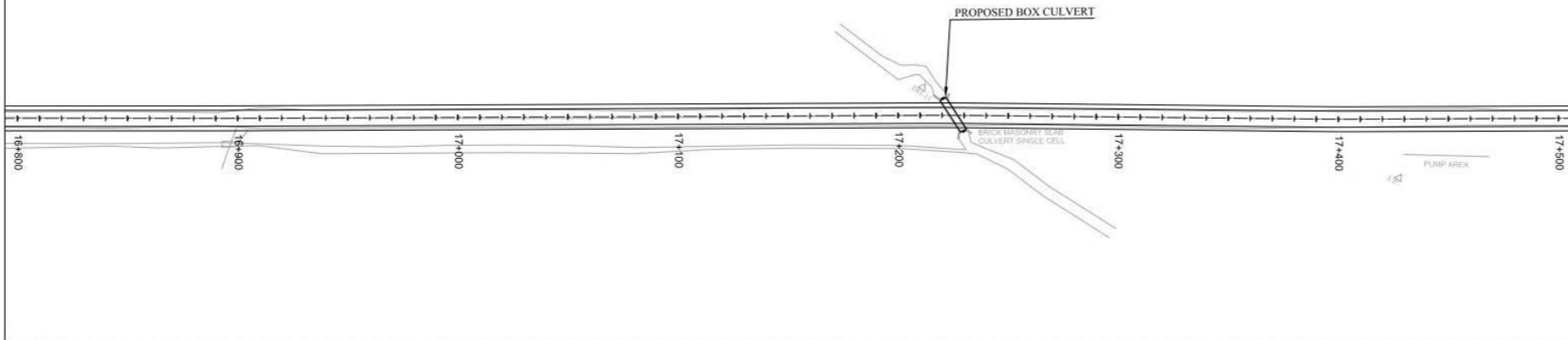
DERA ALLAHYAR TO HAIRIDIN PLAN & PROFILE
AT KM 16+100 TO 16+800

DESIGN BY:	SUNILA	SHEET NO:	24 of 55
DRAWN BY:	AKHTAR	SCALE:	1 : 1000 H 1 : 1000 V
CHECKED BY:	KHURAM	DATE:	NOV. 2025
APPROVED BY:	RASHID	REVISION:	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/24

STATION	L. DIFF.	E.G.L.	P.G.L.	V.C.D.	H.C.D.
16+100	-0.769	57.458	58.227	380.02 -0.24%	
16+120	-0.792	57.386	58.178		
16+140	-0.682	57.447	58.129		
16+160	-0.618	57.463	58.081		
16+180	-0.554	57.478	58.032		
16+200	-0.625	57.358	57.983		
16+220	-0.592	57.342	57.934		
16+240	-1.083	56.802	57.885		
16+260	-1.099	56.737	57.836		
16+280	-0.457	57.358	57.816	70.00 5389.92	
16+300	-0.516	57.353	57.869		
16+320	-0.676	57.320	57.906		
16+340	-0.875	57.318	58.193		
16+360	-1.035	57.368	58.404		
16+380	-1.260	57.355	58.614		
16+400	-1.484	57.342	58.825		
16+420	-1.722	57.314	59.036		
16+440	-1.935	57.312	59.247		
16+460	-2.130	57.328	59.458		
16+480	-2.284	57.344	59.628		
16+500	-2.360	57.365	59.725		
16+520	-2.370	57.380	59.750		
16+540	-2.361	57.342	59.703		
16+560	-2.280	57.304	59.584		
16+580	-2.143	57.269	59.412		
16+600	-1.981	57.237	59.238		
16+620	-1.761	57.303	59.064		
16+640	-1.564	57.327	58.890		
16+660	-1.374	57.343	58.717		
16+680	-1.168	57.374	58.543		
16+700	-1.044	57.327	58.371		
16+720	-1.005	57.224	58.229		
16+740	-0.936	57.210	58.126		
16+760	-0.947	57.115	58.062		
16+780	-1.000	57.037	58.037		
16+800	-0.998	57.031	58.029		



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
16+800	-0.098	57.031	58.020		
16+820	-0.037	57.083	58.020		
16+840	-0.036	57.075	58.012		
16+860	-0.089	57.014	58.003		
16+880	-0.753	57.342	57.995		
16+900	-0.822	57.164	57.986		
16+920	-0.945	57.033	57.978		
16+940	-0.095	56.974	57.969		
16+960	-0.952	57.000	57.961		
16+980	-0.831	57.141	57.952		
17+000	-0.037	57.006	57.944		
17+020	-0.845	57.082	57.927		
17+040	-0.872	57.026	57.908		
17+060	-0.803	56.952	57.855		
17+080	-0.590	57.280	57.800		
17+100	-0.542	57.189	57.731		
17+120	-0.685	56.971	57.656		
17+140	-0.505	57.076	57.581		
17+160	-0.386	57.120	57.506		
17+180	-0.344	57.086	57.431		
17+200	-0.292	57.070	57.362		
17+220	-0.268	57.048	57.316		
17+240	-0.261	57.034	57.294		
17+260	-0.309	56.988	57.286		
17+280	-0.349	56.966	57.315		
17+300	-0.356	56.979	57.334		
17+320	-0.363	56.991	57.354		
17+340	-0.381	56.993	57.374		
17+360	-0.398	56.995	57.393		
17+380	-0.416	56.997	57.413		
17+400	-0.434	56.999	57.432		
17+420	-0.391	57.061	57.452		
17+440	-0.394	57.078	57.472		
17+460	-0.397	57.094	57.491		
17+480	-0.479	57.032	57.511		
17+500	-0.480	57.051	57.530		

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.

2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR
(RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV.	DESCRIPTION	DATE
01.	DRAWING UPDATED	JAN/2024
02.	REVISION ISSUE	

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

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Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

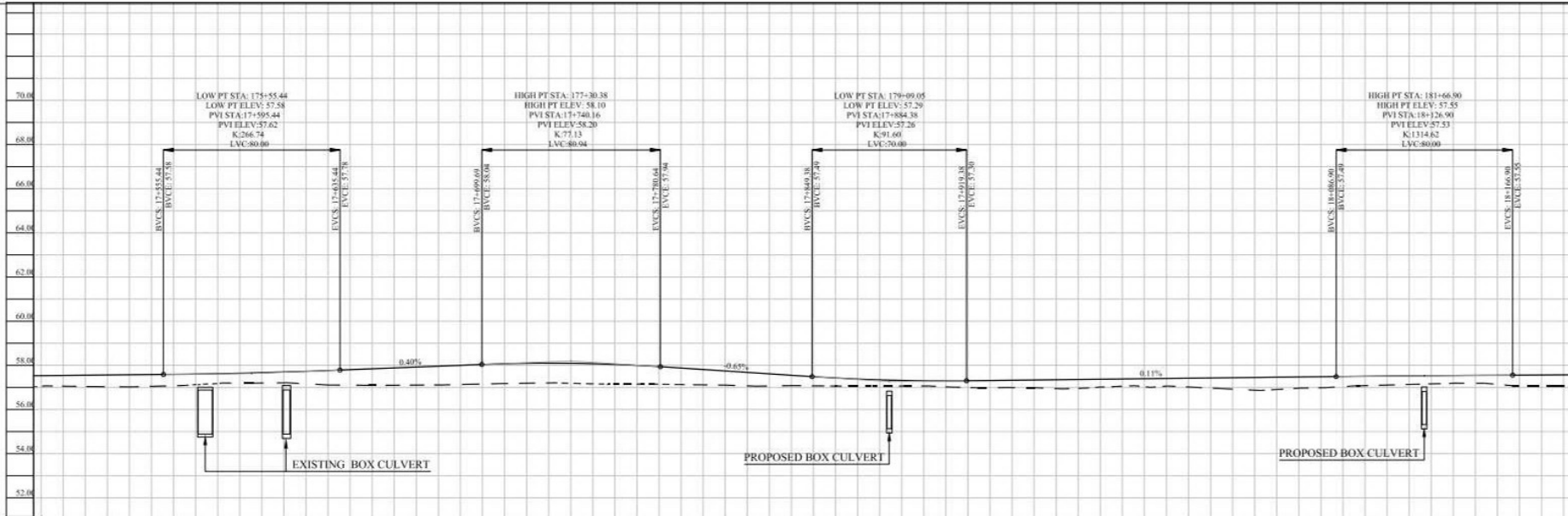
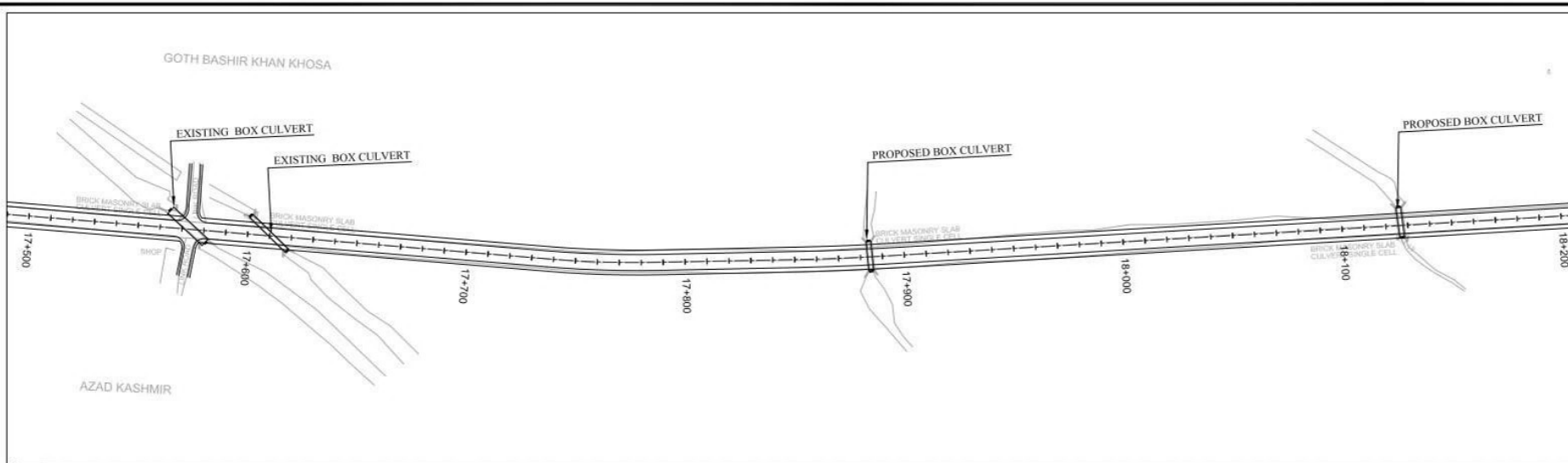
DRAWING TITLE :

DERA ALAHHYAR TO
HAIRIDAN PLAN & PROFILE
AT KM 16+800 TO 17+500

DESIGN BY :	SHEET NO :
SUNILA	25 of 55
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV, 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/25



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
17+500	0.480	57.051	57.530		
17+520	0.508	57.042	57.550		
17+540	0.537	57.022	57.570		
17+560	0.517	57.072	57.590		
17+580	0.443	57.177	57.620		
17+600	0.469	57.197	57.666		
17+620	0.565	57.161	57.726		
17+640	0.703	57.098	57.801		
17+660	0.784	57.096	57.881		
17+680	0.854	57.107	57.960		
17+700	0.888	57.151	58.040		
17+720	0.906	57.187	58.093		
17+740	0.909	57.185	58.094		
17+760	0.901	57.142	58.043		
17+780	0.798	57.142	57.940		
17+800	0.697	57.113	57.810		
17+820	0.613	57.066	57.680		
17+840	0.472	57.077	57.549		
17+860	0.368	57.087	57.423		
17+880	0.286	57.054	57.340		
17+900	0.236	57.063	57.298		
17+920	0.306	56.994	57.300		
17+940	0.333	56.990	57.323		
17+960	0.400	56.945	57.345		
17+980	0.360	57.008	57.368		
18+000	0.363	57.028	57.391		
18+020	0.398	57.015	57.413		
18+040	0.518	56.918	57.436		
18+060	0.557	56.901	57.458		
18+080	0.497	56.984	57.481		
18+100	0.426	57.076	57.503		
18+120	0.391	57.131	57.522		
18+140	0.335	57.182	57.538		
18+160	0.414	57.136	57.551		
18+180	0.485	57.076	57.561		
18+200	0.496	57.075	57.571		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GRADE LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. GRADE (RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

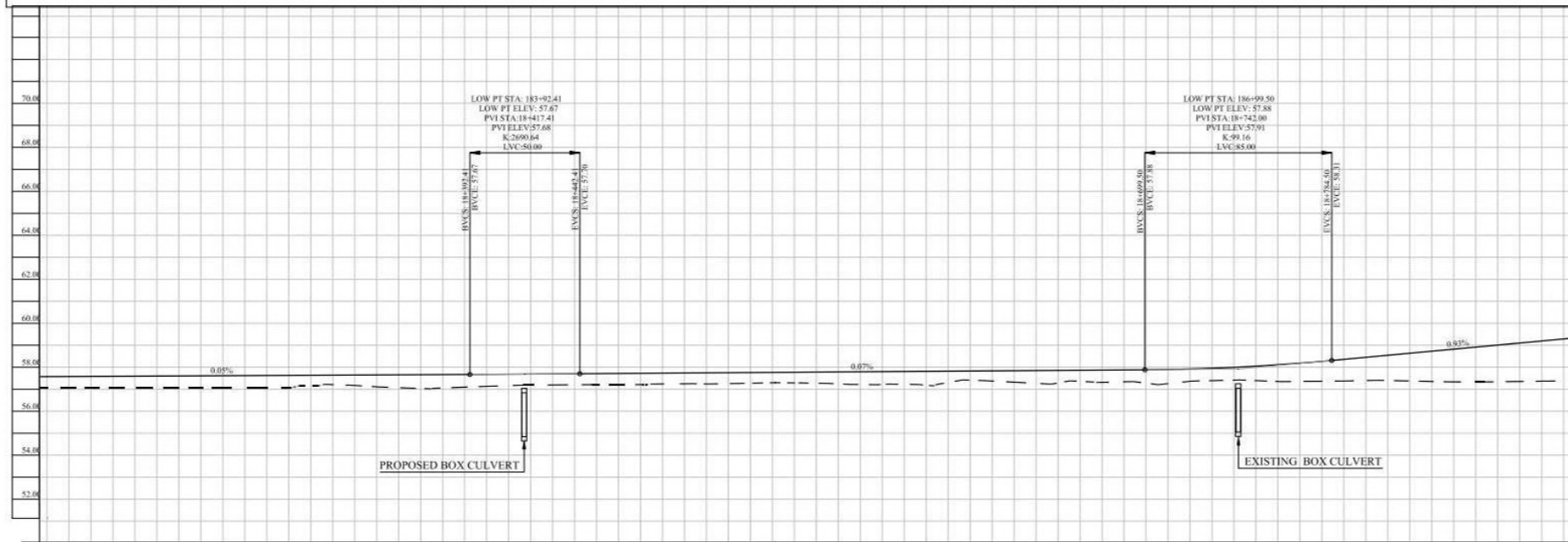
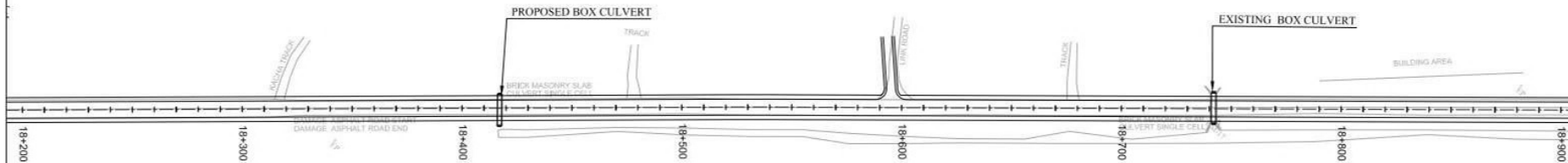
ZEEBOK INTERNATIONAL (PVT) LTD
3rd Floor, Ans Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDM PLAN & PROFILE
AT KM 17+500 TO 18+200

DESIGN BY : SUNILA
SHEET NO : 26 of 55
DRAWN BY : ASHRAF
SCALE : 1 : 1000 H
1 : 1000 V
CHECKED BY : KHURAM
DATE : NOV, 2025
APPROVED BY : RASHID
REVISION : REV. 01

CAD FILE NAME :
ZUIFRAP/PP/26



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
18+200	-0.496	57.075	57.571	722.51 0.05%	632.45
18+220	-0.507	57.075	57.582		
18+240	-0.518	57.075	57.592		
18+260	-0.528	57.074	57.603		
18+280	-0.539	57.074	57.613		
18+300	-0.550	57.074	57.623		
18+320	-0.484	57.150	57.634		
18+340	-0.473	57.171	57.644		
18+360	-0.586	57.060	57.654		
18+380	-0.611	57.054	57.665		
18+400	-0.546	57.129	57.675		
18+420	-0.502	57.185	57.687	50.80 260964.18	
18+440	-0.501	57.199	57.700		
18+460	-0.509	57.206	57.714		
18+480	-0.493	57.235	57.728		
18+500	-0.505	57.237	57.742		
18+520	-0.484	57.273	57.756		
18+540	-0.486	57.285	57.771		
18+560	-0.542	57.240	57.785		
18+580	-0.585	57.214	57.799	257.09 0.07%	
18+600	-0.634	57.179	57.813		
18+620	-0.419	57.408	57.827		
18+640	-0.524	57.317	57.841		
18+660	-0.570	57.285	57.855		
18+680	-0.557	57.313	57.869		
18+700	-0.611	57.272	57.883		
18+720	-0.561	57.338	57.919		
18+740	-0.583	57.412	57.994	85.00 9916.50	
18+760	-0.758	57.352	58.110		
18+780	-0.906	57.361	58.266		
18+800	-1.060	57.391	58.451		
18+820	-1.265	57.371	58.636		
18+840	-1.489	57.333	58.822	115.47 0.93%	
18+860	-1.671	57.337	59.007		
18+880	-1.830	57.263	59.193		
18+900	-1.196	57.382	59.379		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN/2020

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEEURK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217

KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

DERA ALLAHYAR TO
HAIRIDIN PLAN & PROFILE
AT KM 18+200 TO 18+900

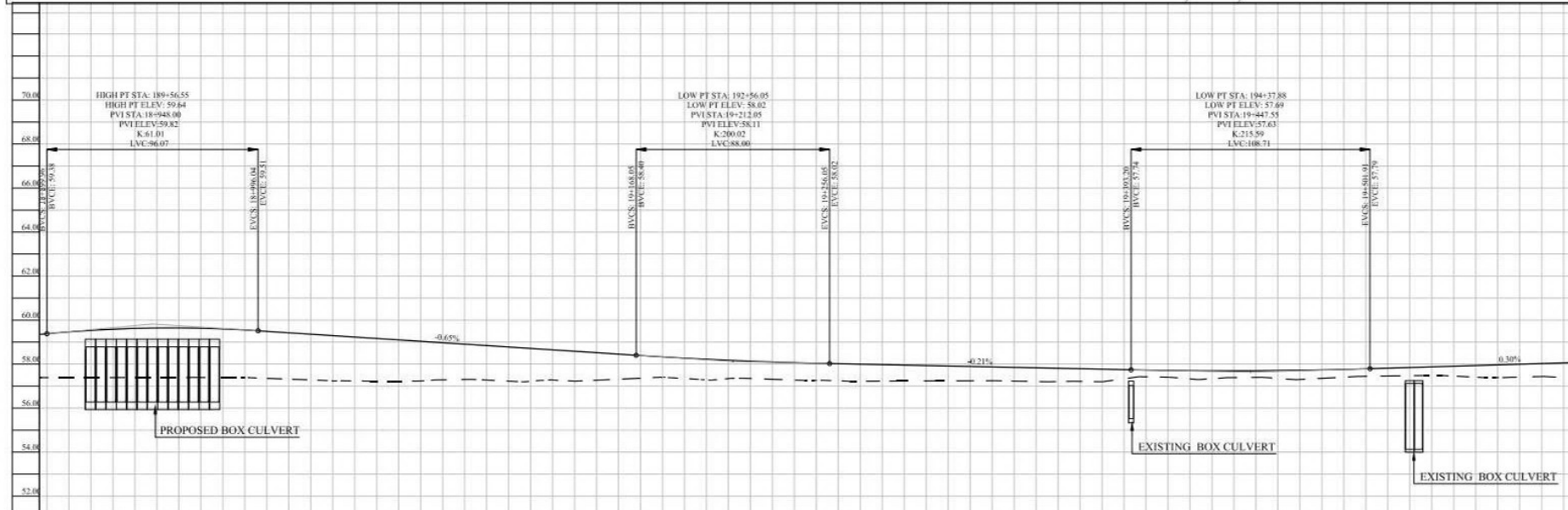
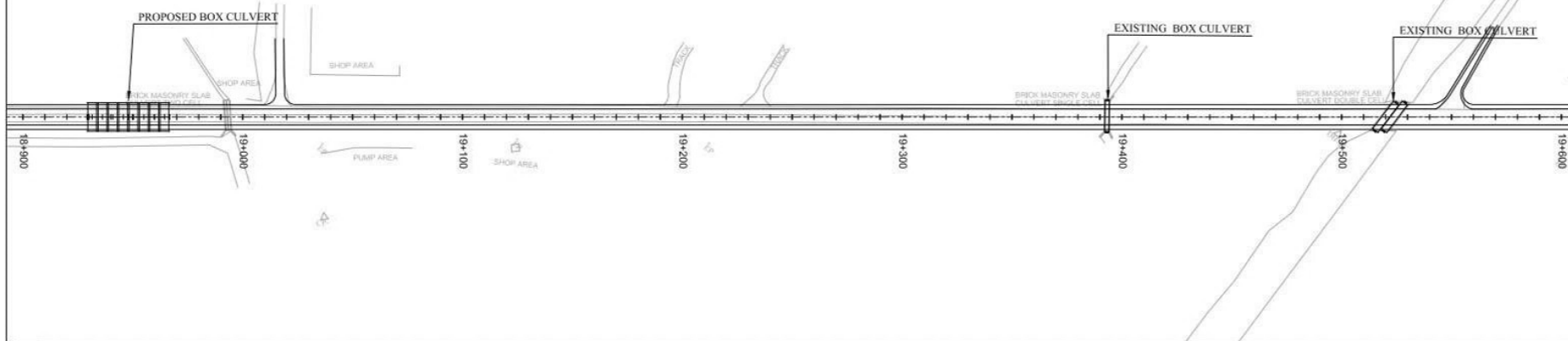
DESIGN BY : SUNILA
SHEET NO : 27 of 55

DRAWN BY : ASHITAR
SCALE : 1 : 1000 H
1 : 1000 V

CHECKED BY : KHURAM
DATE : NOV, 2025

APPROVED BY : RASHID
REVISION : REV. 01

CAD FILE NAME :
ZU/IFRAP/PP/27



STATION	L. DIFF	E.G.	P.G.	V.C.D.	H.C.D.
18+900	1.996	57.382	59.379		
18+920	-2.146	57.385	59.531		
18+940	-2.239	57.388	59.618		
18+960	-2.249	57.391	59.640		
18+980	-2.207	57.389	59.596		
19+000	-2.136	57.351	59.487		
19+020	-2.081	57.277	59.358		
19+040	-1.999	57.229	59.228		
19+060	-1.877	57.222	59.099		
19+080	-1.687	57.292	58.969		
19+100	-1.568	57.272	58.840		
19+120	-1.496	57.215	58.711		
19+140	-1.361	57.229	58.581		
19+160	-1.140	57.311	58.452		
19+180	-0.922	57.404	58.326		
19+200	-0.939	57.279	58.218		
19+220	-0.788	57.343	58.131		
19+240	-0.791	57.272	58.063		
19+260	-0.790	57.235	58.015		
19+280	-0.752	57.222	57.974		
19+300	-0.703	57.229	57.932		
19+320	-0.655	57.236	57.891		
19+340	-0.626	57.224	57.850		
19+360	-0.604	57.204	57.808		
19+380	-0.572	57.195	57.767		
19+400	-0.307	57.419	57.726		
19+420	-0.376	57.325	57.700		
19+440	-0.307	57.386	57.693		
19+460	-0.335	57.349	57.704		
19+480	-0.381	57.283	57.714		
19+500	-0.340	57.442	57.782		
19+520	-0.374	57.468	57.842		
19+540	-0.440	57.425	57.901		
19+560	-0.572	57.389	57.961		
19+580	-0.587	57.433	58.020		
19+600	-0.746	57.334	58.079		

NOTES

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- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DRAWING UPDATED	DATE
01.		JAN/2020
REV.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

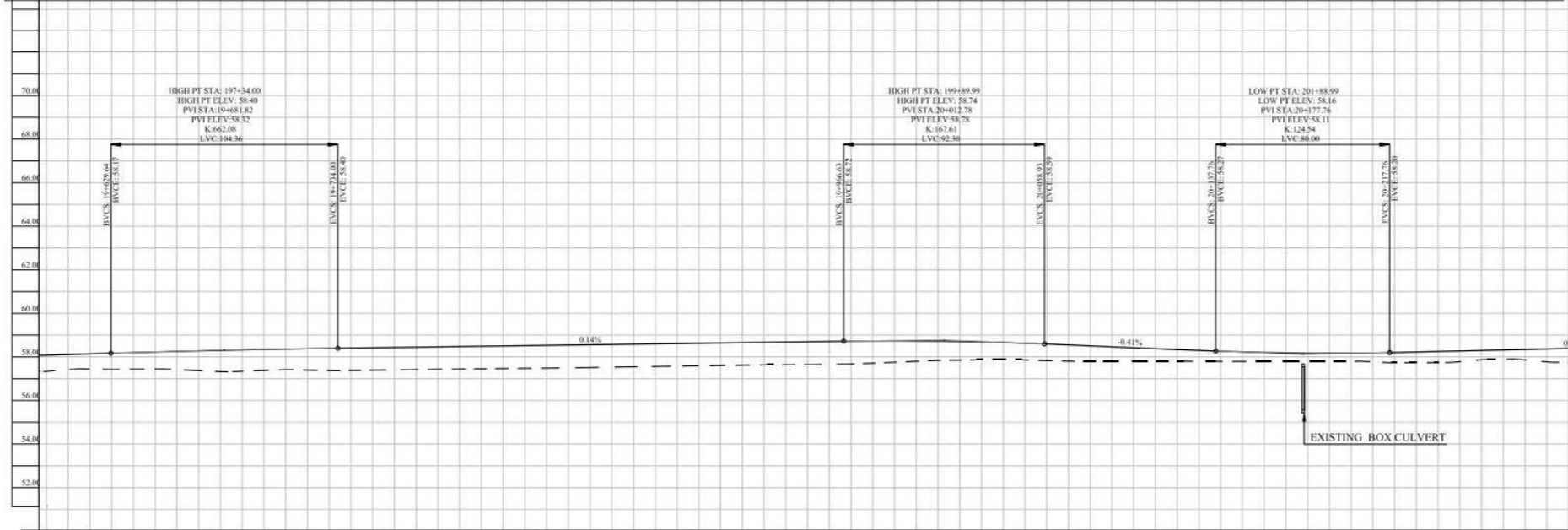
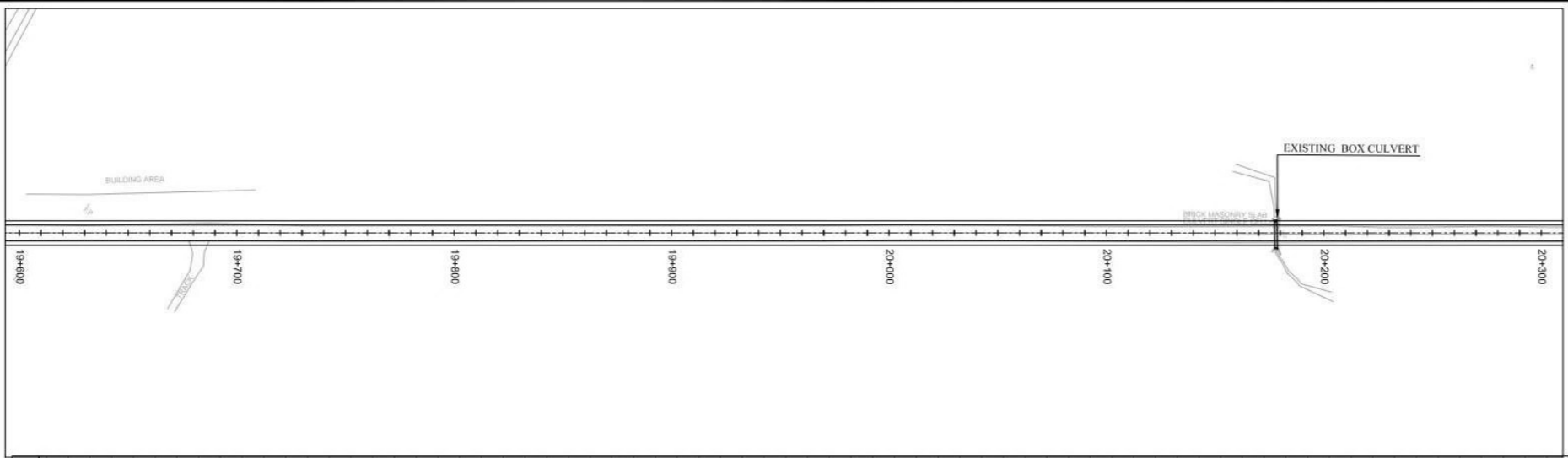
DRAWING TITLE :

DERA ALLAHYAR TO HAIRIDIN PLAN & PROFILE
AT KM 18+900 TO 19+600

DESIGN BY:	SHEET NO:
SUNILA	28 of 55
DRAWN BY:	SCALE:
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/28



STATION	L DIFF	P.G.L.	V.C.D.	H.C.D.
19+600	-0.746	58.079		
19+620	-0.695	58.139		
19+640	-0.707	58.197		
19+660	-0.836	58.251		
19+680	-0.975	58.298		
19+700	-0.982	58.339		
19+720	-0.980	58.374		
19+740	-1.028	58.403		
19+760	-1.031	58.431		
19+780	-1.033	58.459		
19+800	-1.035	58.487		
19+820	-1.040	58.515		
19+840	-1.045	58.543		
19+860	-1.042	58.571		
19+880	-1.038	58.599		
19+900	-1.037	58.626		
19+920	-1.036	58.654		
19+940	-1.043	58.682		
19+960	-1.053	58.710		
19+980	-1.059	58.733		
20+000	-0.935	58.757		
20+020	-0.857	58.785		
20+040	-0.797	58.804		
20+060	-0.759	58.831		
20+080	-0.707	58.850		
20+100	-0.626	58.799		
20+120	-0.543	58.799		
20+140	-0.465	58.795		
20+160	-0.411	58.787		
20+180	-0.381	58.786		
20+200	-0.373	58.786		
20+220	-0.471	58.732		
20+240	-0.506	58.740		
20+260	-0.427	58.805		
20+280	-0.483	58.841		
20+300	-0.637	58.751		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE	---
ROAD EDGE	---
SHOULDER EDGE	---
P.G.L.	---
E.G.L.	---
BUILDING	---
RIVER / CANAL	---
TREE	---
PROPOSED BOX CULVERT	---
EXISTING BOX CULVERT	---

ABBREVIATION

STA.	STATION
H.C.D.	HORIZONTAL CURVE DATA
V.C.D.	VERTICAL CURVE DATA
P.G.L.	PROPOSED GRADE LEVEL
E.G.L.	EXISTING GROUND LEVEL
L DIFF.	LEVEL DIFFERENCE
BVCS.	BEGINNING OF VERTICAL CURVE STATION
EVCS.	END OF VERTICAL CURVE STATION
PVI	POINT OF VERTICAL INTERSECTION
ELEV.	ELEVATION
LVC.	LENGTH OF VERTICAL CURVE
K	FACTOR (RATE OF VERTICAL CURVATURE)
R	RADIUS OF HORIZONTAL CURVE
W	WIDTH
H	HEIGHT

01.	DRAWING UPDATED	JAN/2024
REV.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

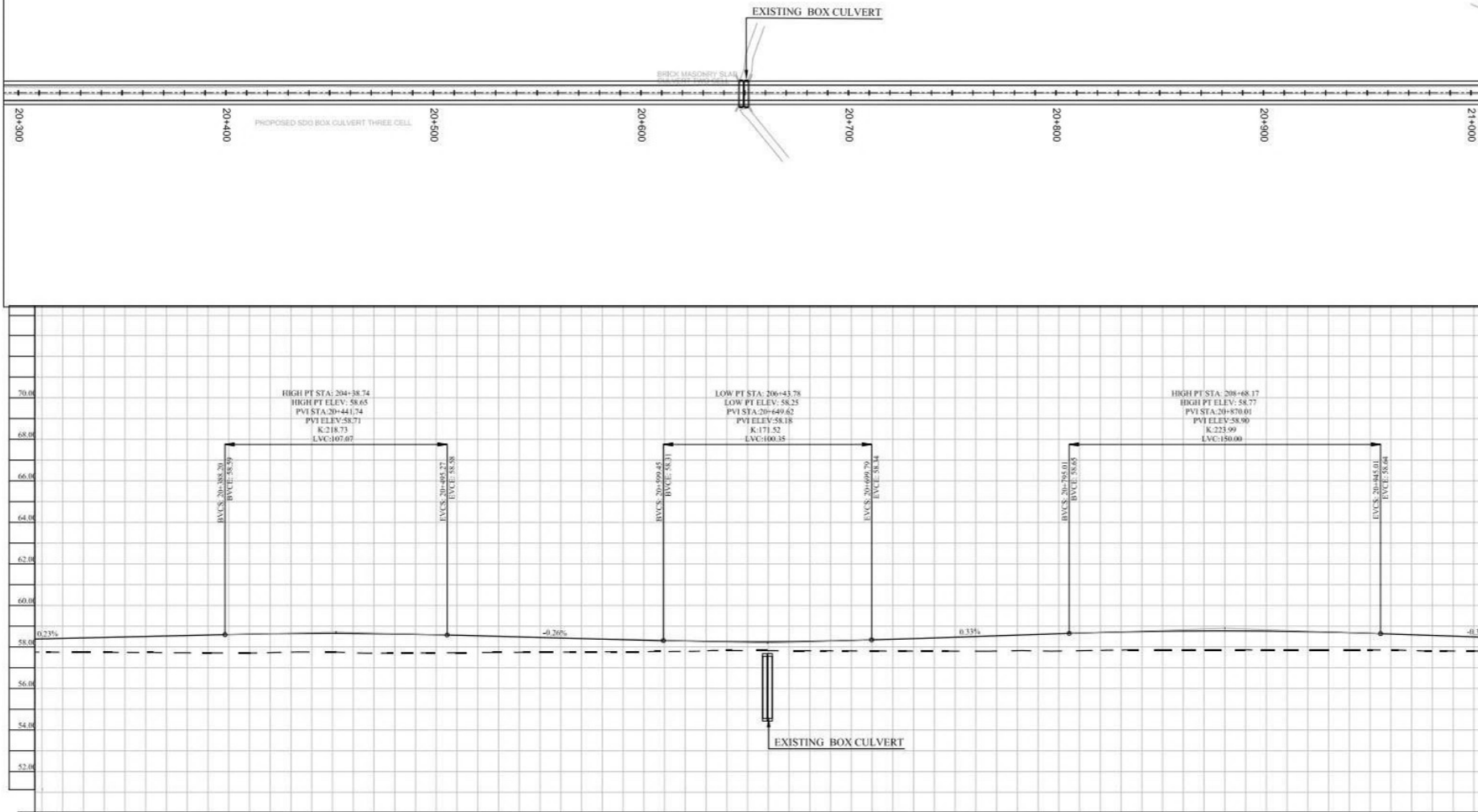
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 19+600 TO 20+300

DESIGN BY:	SUNILA	SHEET NO:	29 of 55
DRAWN BY:	AKHTAR	SCALE:	1 : 1000 H 1 : 1000 V
CHECKED BY:	KHURAM	DATE:	NOV. 2025
APPROVED BY:	RASHID	REVISION:	REV. 01

CAD FILE NAME:

ZU/IFRAP/PP/29



- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

- CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX
CULVERT
H.F.

ABBREVIATION

- STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L.DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K-FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DESCRIPTION	DATE
01.	DRAWING UPDATED	JAN/2020
REV.	REVISION ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

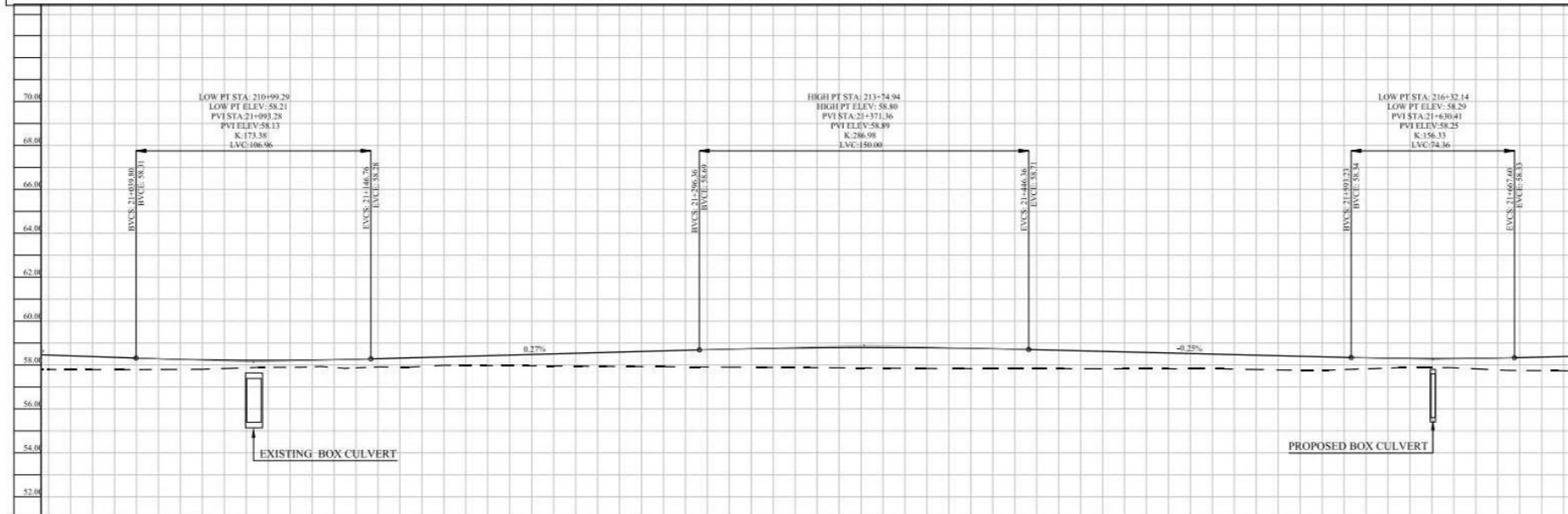
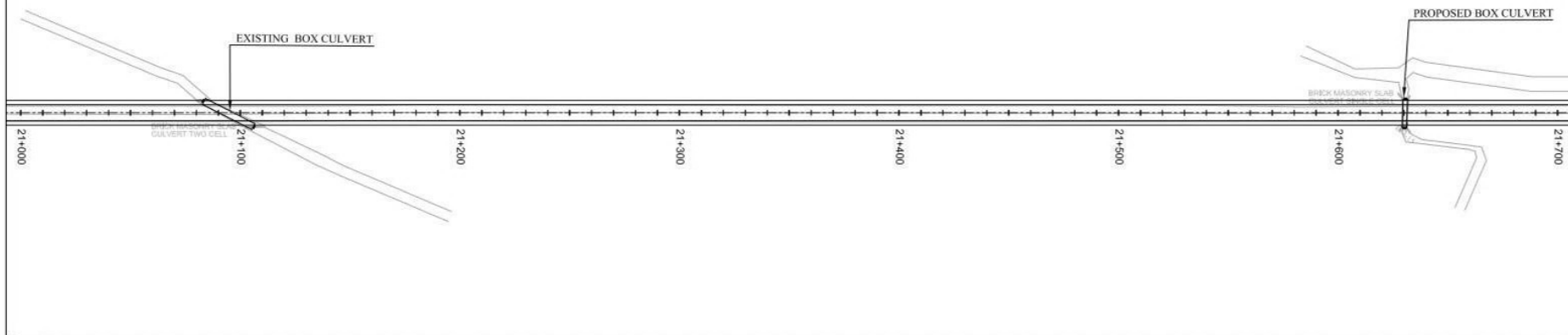
LEAD CONSULTANT :
ZEEBUX INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
DERA ALLAHYAR TO
HAIRIDIN PLAN & PROFILE
AT KM 20+300 TO 21+000

DESIGN BY: SUNILA	SHEET NO: 30 of 55
DRAWN BY: AKHTAR	SCALE: 1 : 1000 H 1 : 1000 V
CHECKED BY: KHURAM	DATE: NOV. 2025
APPROVED BY: RASHID	REVISION: REV. 01

CAD FILE NAME:
ZU/IFRAP/PP/30

STATION	L. DIFF.	E.G.L.	P.G.L.	V.C.D.	H.C.D.
20+300	-0.637	57.51	58.87	170.44 0.23%	
20+320	-0.692	57.74	58.434		
20+340	-0.748	57.72	58.480		
20+360	-0.803	57.723	58.526		
20+380	-0.859	57.713	58.572		
20+400	-0.911	57.704	58.615		
20+420	-0.892	57.749	58.642		
20+440	-0.900	57.750	58.650		
20+460	-0.944	57.696	58.639		
20+480	-0.903	57.708	58.611		
20+500	-0.845	57.719	58.564		
20+520	-0.781	57.731	58.513		
20+540	-0.718	57.743	58.461		
20+560	-0.654	57.755	58.409		
20+580	-0.590	57.767	58.358		
20+600	-0.527	57.779	58.306		
20+620	-0.455	57.811	58.267		
20+640	-0.430	57.821	58.250		
20+660	-0.442	57.815	58.258		
20+680	-0.478	57.810	58.288		
20+700	-0.538	57.804	58.342		
20+720	-0.609	57.799	58.407		
20+740	-0.679	57.793	58.473		
20+760	-0.750	57.809	58.603		
20+780	-0.830	57.818	58.668		
20+800	-0.870	57.850	58.720		
20+820	-0.899	57.855	58.754		
20+840	-0.916	57.855	58.770		
20+860	-0.910	57.854	58.769		
20+880	-0.885	57.854	58.749		
20+900	-0.858	57.854	58.712		
20+920	-0.806	57.851	58.657		
20+940	-0.763	57.826	58.589		
20+960	-0.720	57.800	58.520		
20+980	-0.670	57.764	58.453		
21+000	-0.345%	57.764	58.358	22399.47 150.00	



STATION	THICKNESS	DEPTH	GRADE	P.G.L.	V.C.D.	H.C.D.
21+000	0.057	57.794	58.651	58.651		
21+020	0.060	57.786	58.883	58.883		
21+040	0.060	57.787	59.183	59.183		
21+060	0.060	57.798	59.257	59.257		
21+080	0.060	57.837	59.324	59.324		
21+100	0.060	57.890	59.313	59.313		
21+120	0.060	57.917	59.225	59.225		
21+140	0.060	57.868	59.382	59.382		
21+160	0.060	57.904	59.314	59.314		
21+180	0.060	57.983	59.369	59.369		
21+200	0.060	57.973	59.424	59.424		
21+220	0.060	57.960	59.478	59.478		
21+240	0.060	57.947	59.533	59.533		
21+260	0.060	57.935	59.588	59.588		
21+280	0.060	57.920	59.643	59.643		
21+300	0.060	57.906	59.697	59.697		
21+320	0.060	57.893	59.752	59.752		
21+340	0.060	57.880	59.807	59.807		
21+360	0.060	57.866	59.862	59.862		
21+380	0.060	57.853	59.917	59.917		
21+400	0.060	57.840	59.972	59.972		
21+420	0.060	57.827	60.027	60.027		
21+440	0.060	57.813	60.082	60.082		
21+460	0.060	57.800	60.137	60.137		
21+480	0.060	57.786	60.192	60.192		
21+500	0.060	57.774	60.247	60.247		
21+520	0.060	57.760	60.302	60.302		
21+540	0.060	57.747	60.357	60.357		
21+560	0.060	57.733	60.412	60.412		
21+580	0.060	57.719	60.467	60.467		
21+600	0.060	57.706	60.522	60.522		
21+620	0.060	57.692	60.577	60.577		
21+640	0.060	57.679	60.632	60.632		
21+660	0.060	57.665	60.687	60.687		
21+680	0.060	57.652	60.742	60.742		
21+700	0.060	57.638	60.797	60.797		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GRADE LEVEL
L.DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. FACTOR (RATE OF VERTICAL CURVATURE)
L. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV. DRAWING UPDATED JAN 2020

REVISION ISSUE DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT:

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3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 21+000 TO 21+700

DESIGN BY: SUNILA

DRAWN BY: AKHTAR

CHECKED BY: KHURAM

APPROVED BY: RASHID

SHEET NO: 31 of 55

SCALE: 1:1000 H
1:1000 V

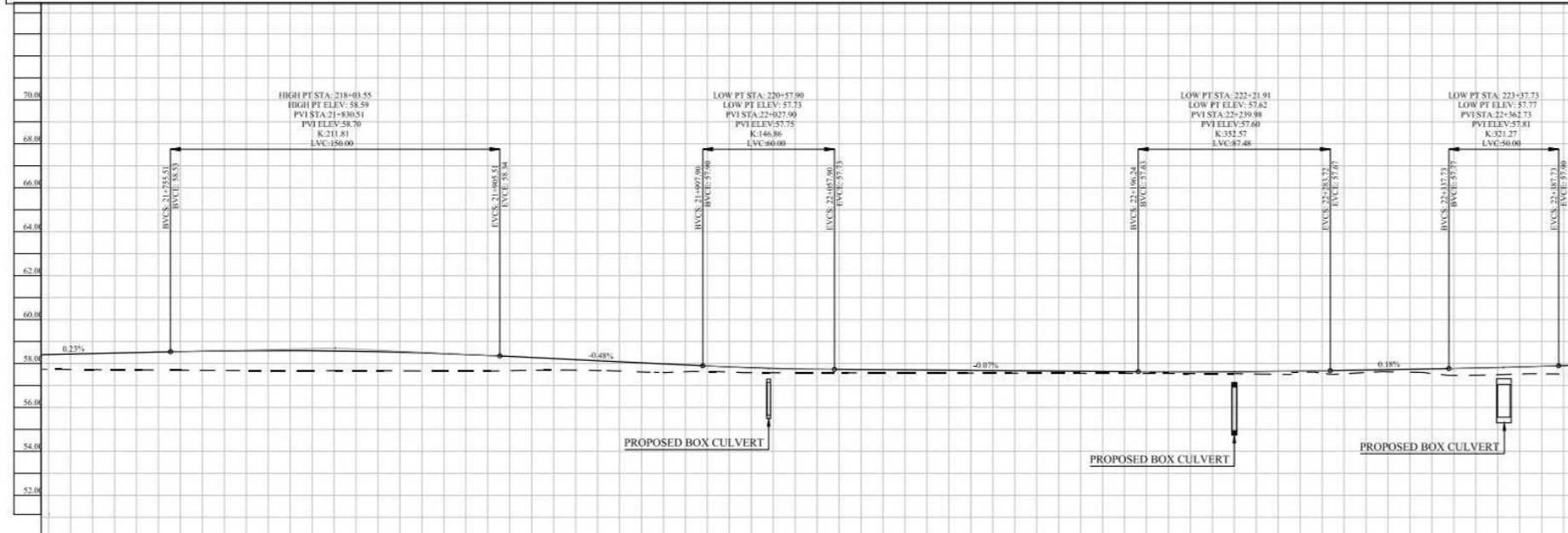
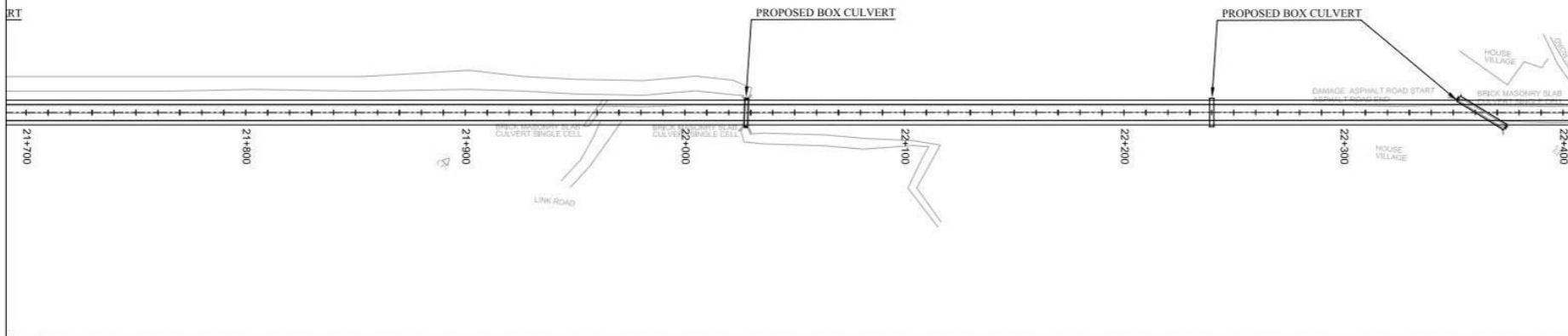
DATE: NOV. 2025

REVISION: REV. 01

CAD FILE NAME:

ZU/IFRAP/PP/31

RT



STATION	VERT. CURVE DATA	PROPOSED GRADE LEVEL	EXISTING GROUND LEVEL	VERT. DIFF.
21+700	0.23%	58.406	57.729	0.677
21+720		58.451	57.717	0.734
21+740		58.497	57.704	0.792
21+760		58.542	57.692	0.850
21+780		58.573	57.680	0.894
21+800		58.586	57.667	0.919
21+820		58.580	57.666	0.914
21+840		58.555	57.668	0.887
21+860		58.511	57.663	0.848
21+880		58.449	57.647	0.802
21+900		58.367	57.649	0.718
21+920		58.271	57.688	0.584
21+940		58.175	57.695	0.480
21+960		58.079	57.651	0.428
21+980		57.983	57.587	0.396
22+000		57.896	57.603	0.293
22+020		57.807	57.581	0.226
22+040		57.734	57.574	0.160
22+060		57.729	57.574	0.155
22+080		57.714	57.566	0.147
22+100		57.699	57.562	0.137
22+120		57.685	57.563	0.122
22+140		57.670	57.558	0.112
22+160		57.656	57.554	0.102
22+180		57.641	57.549	0.092
22+200		57.627	57.545	0.082
22+220		57.620	57.540	0.080
22+240		57.625	57.536	0.089
22+260		57.641	57.504	0.137
22+280		57.668	57.557	0.111
22+300		57.703	57.587	0.115
22+320		57.738	57.604	0.134
22+340		57.773	57.456	0.317
22+360		57.816	57.489	0.327
22+380		57.871	57.527	0.344
22+400		57.936	57.492	0.444

- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP. AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE	---
ROAD EDGE	---
SHOULDER EDGE	---
P.G.L.	---
E.G.L.	---
BUILDING	---
RIVER / CANAL	---
TREE	---
PROPOSED BOX CULVERT	---
IFF	---

ABBREVIATION

STA.	STATION
H.C.D.	HORIZONTAL CURVE DATA
V.C.D.	VERTICAL CURVE DATA
P.G.L.	PROPOSED GRADE LEVEL
E.G.L.	EXISTING GROUND LEVEL
L.DIFF.	LEVEL DIFFERENCE
BVCS.	BEGINNING OF VERTICAL CURVE STATION
EVCS.	END OF VERTICAL CURVE STATION
PVI.	POINT OF VERTICAL INTERSECTION
ELEV.	ELEVATION
LVC.	LENGTH OF VERTICAL CURVE
K.	GRADE
R.	RADIUS OF VERTICAL CURVATURE
L.	LENGTH OF HORIZONTAL CURVE
W.	WIDTH
H.	HEIGHT

REV.	DRAWING UPDATED	JAN/20
REV.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

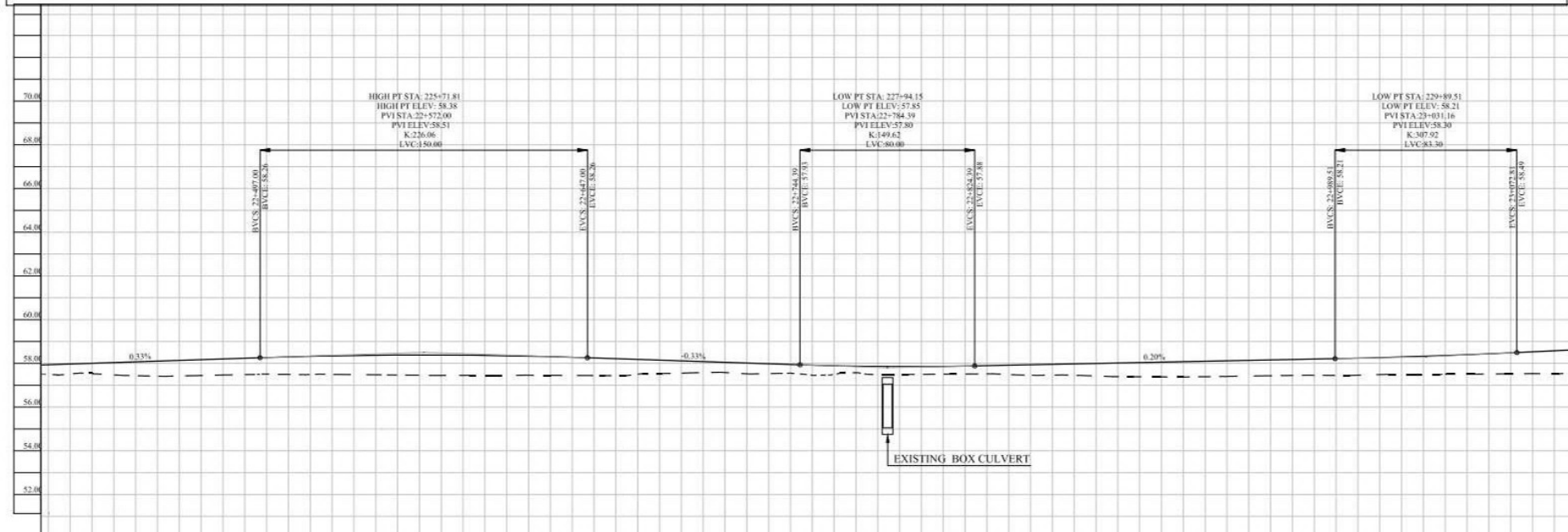
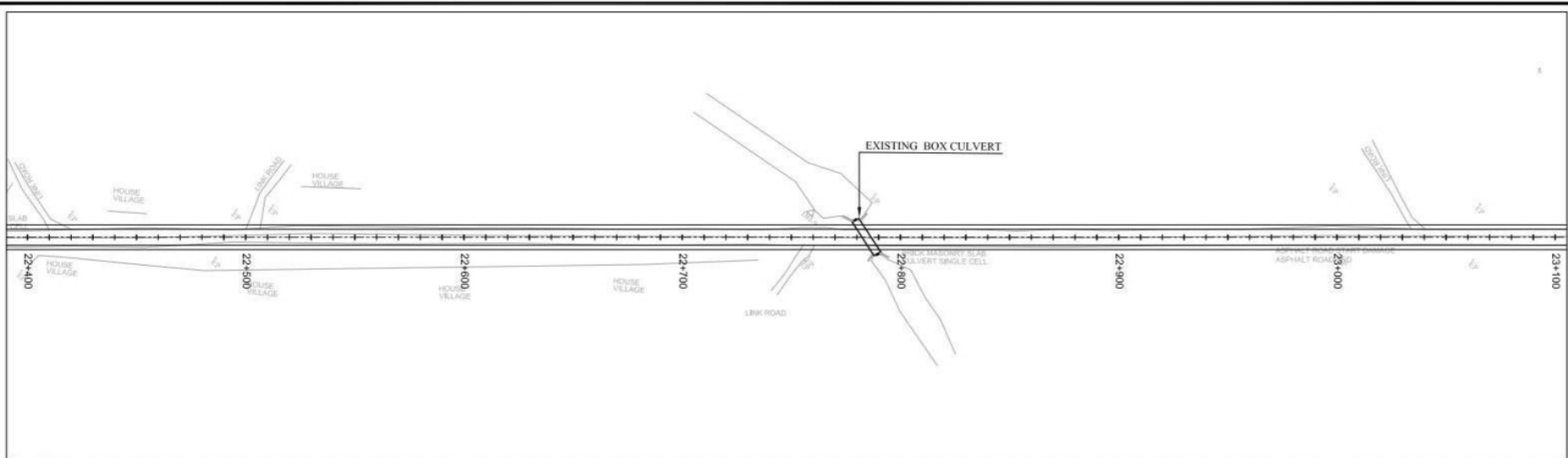
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRIDIN PLAN & PROFILE
AT KM 21+700 TO 22+400

DESIGN BY :	SHEET NO :
SUNILA	32 of 55
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/32



STATION	L. DIFF	E.G.	P.G.	V.C.D.	H.C.D.
22+400	0.444	57.92	57.926	0.33%	
22+420	-0.452	57.550	58.002		
22+440	-0.637	57.432	58.068		
22+460	-0.715	57.419	58.135		
22+480	-0.736	57.405	58.201		
22+500	-0.763	57.504	58.267		
22+520	-0.832	57.400	58.321		
22+540	-0.874	57.485	58.358		
22+560	-0.914	57.494	58.378		
22+580	-0.936	57.444	58.379		
22+600	-0.915	57.444	58.363		
22+620	-0.877	57.425	58.329		
22+640	-0.834	57.444	58.278		
22+660	-0.777	57.435	58.213		
22+680	-0.614	57.532	58.146		
22+700	-0.506	57.573	58.080		
22+720	-0.484	57.519	58.013		
22+740	-0.401	57.546	57.946		
22+760	-0.395	57.493	57.888		
22+780	-0.363	57.493	57.856		
22+800	-0.354	57.496	57.850		
22+820	-0.361	57.511	57.871		
22+840	-0.424	57.488	57.911		
22+860	-0.494	57.457	57.952		
22+880	-0.573	57.419	57.992		
22+900	-0.640	57.383	58.032		
22+920	-0.700	57.373	58.073		
22+940	-0.712	57.401	58.113		
22+960	-0.724	57.430	58.154		
22+980	-0.741	57.453	58.194		
23+000	-0.780	57.456	58.236		
23+020	-0.795	57.495	58.290		
23+040	-0.856	57.501	58.357		
23+060	-0.927	57.510	58.436		
23+080	-0.990	57.530	58.528		
23+100	-1.011	57.579	58.583		

NOTES

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- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

01.	DRAWING UPDATED	JAN/20
REV.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

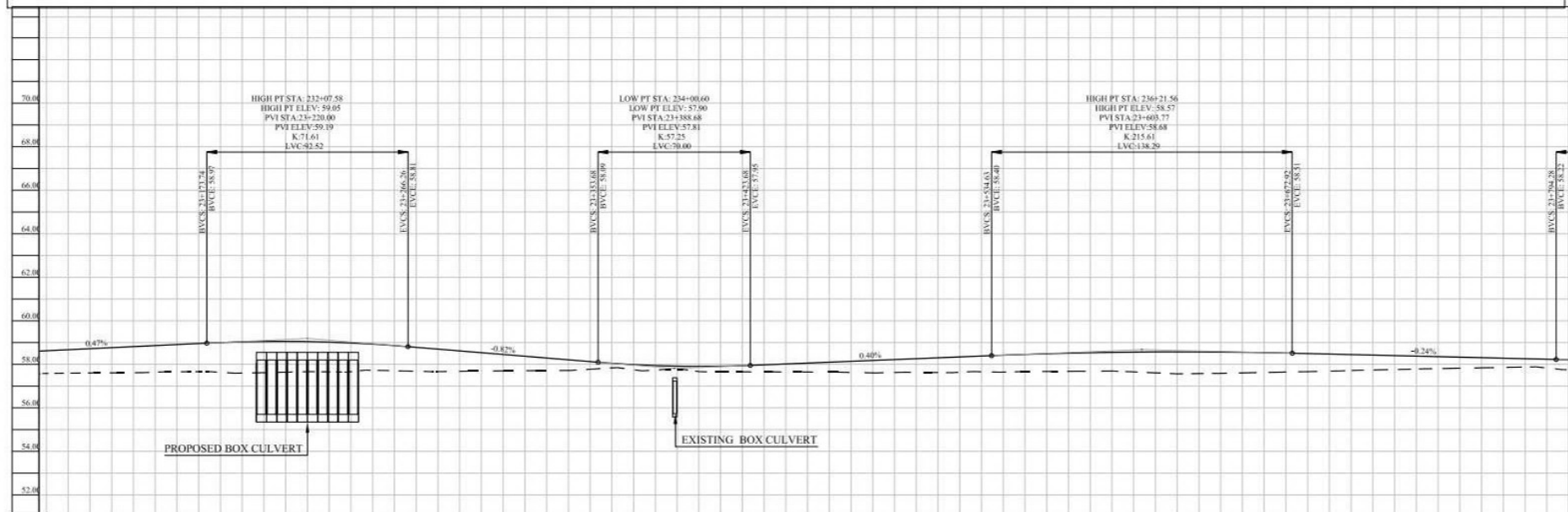
DRAWING TITLE :

DERA ALLAHYAR TO HAIRDIN PLAN & PROFILE
AT KM 22+400 TO 23+100

DESIGN BY :	SHEET NO :
SUNILA	33 of 55
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV, 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

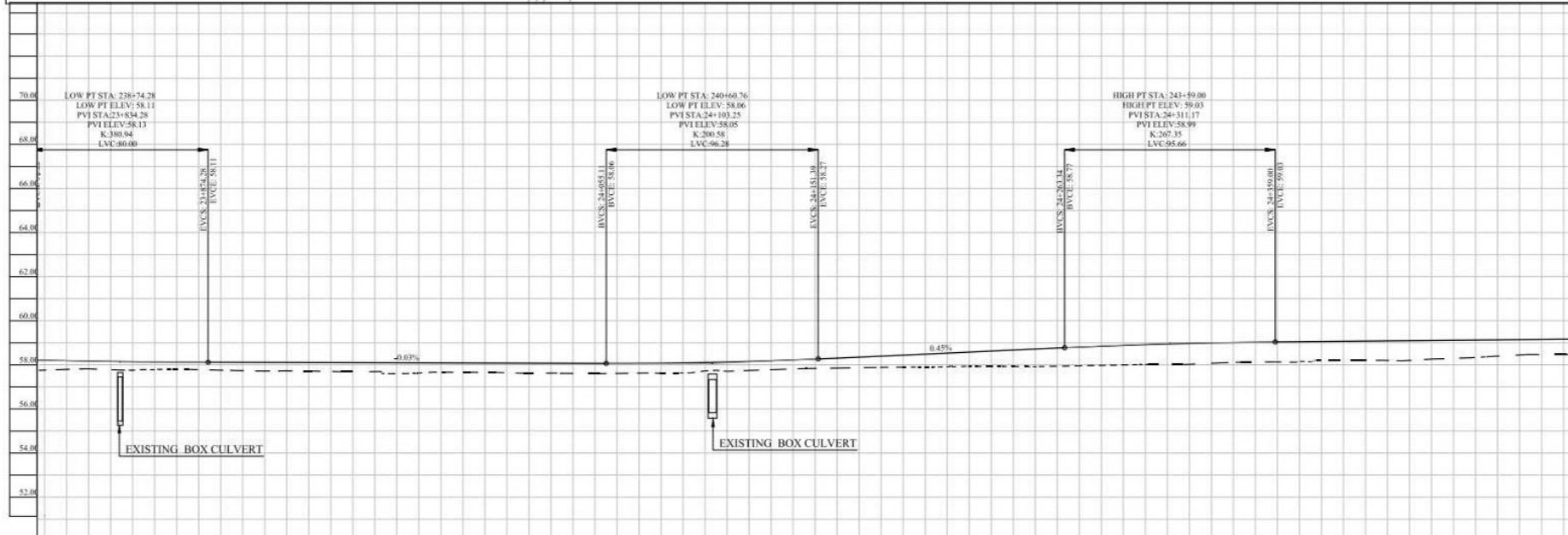
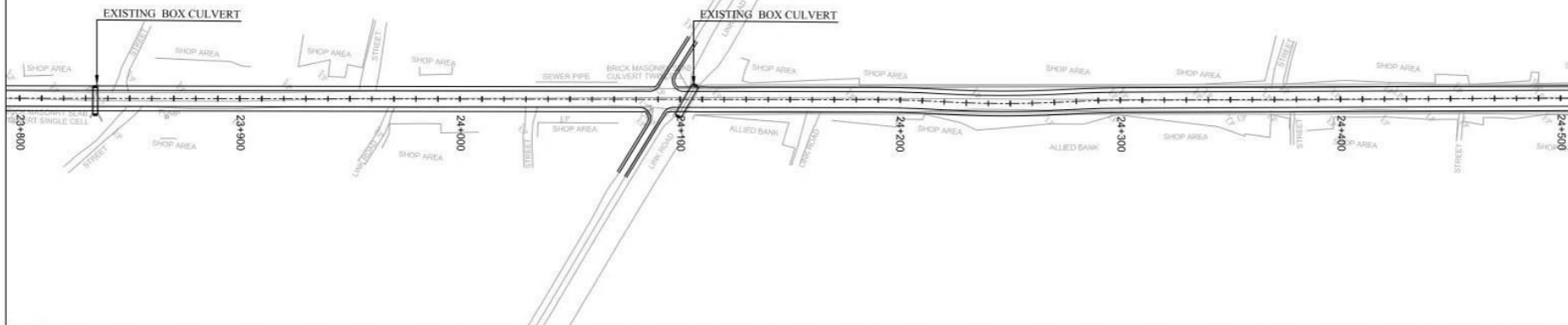
CAD FILE NAME :

ZU/IFRAP/PP/33



STATION	L.DIFF	E.G.	P.G.L	V.C.D.	H.C.D.
23+100	1.043	57.579	58.623		
23+120	1.115	57.602	58.717	100.93 0.47%	
23+140	1.200	57.612	58.812		
23+160	1.251	57.666	58.906		
23+180	1.308	57.630	58.998		
23+200	1.431	57.646	59.047	7160.52 92.52	
23+220	1.384	57.657	59.041		
23+240	1.318	57.660	58.978	87.43 -0.82%	
23+260	1.157	57.702	58.860		
23+280	1.036	57.662	58.698		
23+300	0.848	57.686	58.534		
23+320	0.670	57.701	58.371		
23+340	0.491	57.716	58.207		
23+360	0.214	57.833	58.046		
23+380	0.204	57.735	57.939	70.00 5725.30	
23+400	0.237	57.665	57.902		
23+420	0.285	57.631	57.935		
23+440	0.369	57.646	58.013		
23+460	0.456	57.639	58.095		
23+480	0.571	57.605	58.176		
23+500	0.630	57.627	58.257	110.91 0.40%	
23+520	0.703	57.634	58.337		
23+540	0.775	57.642	58.417		
23+560	0.815	57.669	58.484		
23+580	0.851	57.680	58.531		
23+600	0.912	57.648	58.501	21560.86 138.29	
23+620	1.010	57.562	58.571		
23+640	0.978	57.586	58.564		
23+660	0.914	57.623	58.537		
23+680	0.833	57.601	58.493		
23+700	0.723	57.713	58.446		
23+720	0.639	57.759	58.398		
23+740	0.550	57.801	58.351	121.36 -0.24%	
23+760	0.466	57.837	58.303		
23+780	0.384	57.872	58.255		

- CAD FILE NAME:
Z1/IFRAP/PP/34



NOTES

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- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN-2020
02	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Arya Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

DERA ALLAHYAR TO HAIRDIN PLAN & PROFILE
AT KM 23+800 TO 24+500

DESIGN BY :	SHEET NO. :
SUNILA	35 of 55

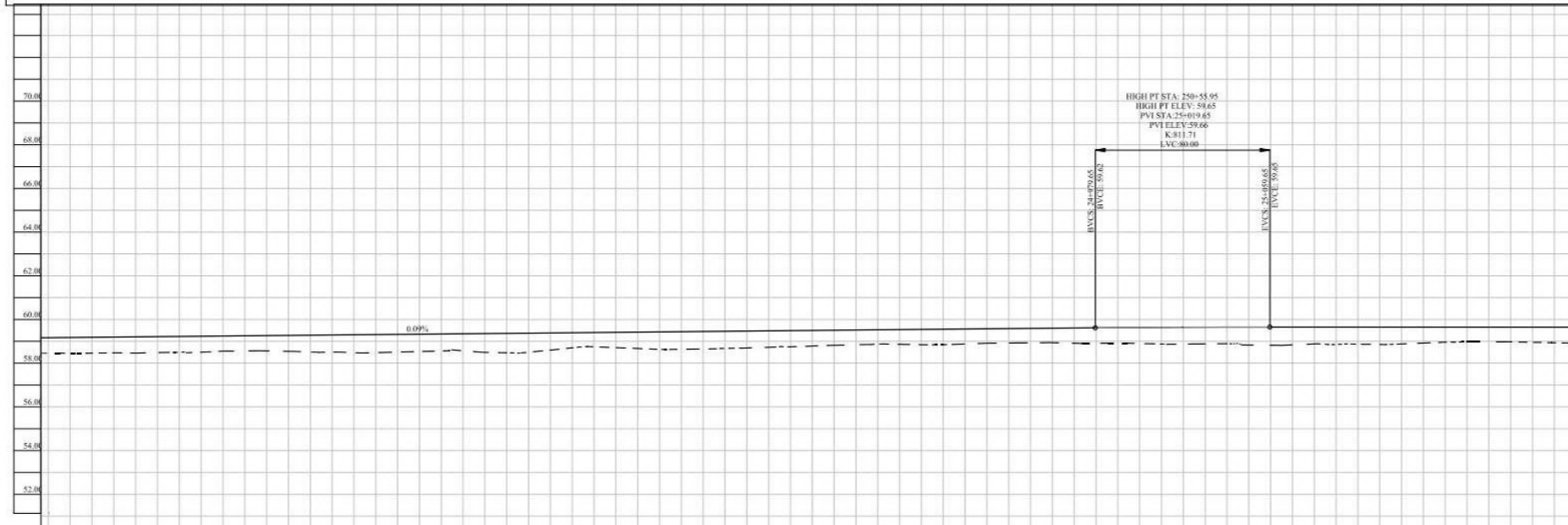
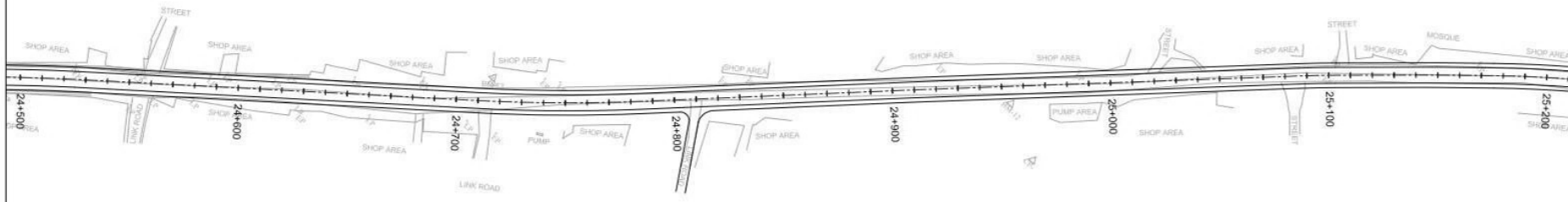
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V

CHECKED BY :	DATE :
KHURAM	NOV, 2025

APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZUIFRAP/PP/35



STATION	L DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
24+500	-0.710	58.457	59.167		
24+520	-0.727	58.459	59.186		
24+540	-0.746	58.459	59.205		
24+560	-0.724	58.499	59.224		
24+580	-0.698	58.549	59.242		
24+600	-0.702	58.559	59.261		
24+620	-0.769	58.511	59.280		
24+640	-0.838	58.481	59.299		
24+660	-0.812	58.506	59.318		
24+680	-0.777	58.559	59.336		
24+700	-0.860	58.495	59.355		
24+720	-0.875	58.499	59.374		
24+740	-0.692	58.700	59.393		
24+760	-0.702	58.710	59.412		
24+780	-0.706	58.635	59.430		
24+800	-0.797	58.652	59.449		
24+820	-0.775	58.693	59.468		
24+840	-0.742	58.745	59.487		
24+860	-0.686	58.820	59.506		
24+880	-0.653	58.871	59.524		
24+900	-0.697	58.846	59.543		
24+920	-0.683	58.879	59.562		
24+940	-0.658	58.923	59.581		
24+960	-0.661	58.938	59.600		
24+980	-0.709	58.909	59.618		
25+000	-0.734	58.901	59.635		
25+020	-0.772	58.874	59.646		
25+040	-0.761	58.892	59.652		
25+060	-0.831	58.823	59.654		
25+080	-0.772	58.880	59.653		
25+100	-0.780	58.872	59.652		
25+120	-0.769	58.882	59.651		
25+140	-0.689	58.961	59.650		
25+160	-0.678	58.971	59.649		
25+180	-0.692	58.956	59.648		
25+200	-0.731	58.915	59.647		

NOTES

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- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE

ROAD EDGE

SHOULDER EDGE

P.G.L.

E.G.L.

BUILDING

RIVER / CANAL

TREE

PROPOSED BOX CULVERT

HF

ABBREVIATION

STA. STATION

H.C.D. HORIZONTAL CURVE DATA

V.C.D. VERTICAL CURVE DATA

P.G.L. PROPOSED GRADE LEVEL

E.G.L. EXISTING GROUND LEVEL

L DIFF. LEVEL DIFFERENCE

BVCS. BEGINNING OF VERTICAL CURVE STATION

EVCS. END OF VERTICAL CURVE STATION

PVI. POINT OF VERTICAL INTERSECTION

ELEV. ELEVATION

LVC. LENGTH OF VERTICAL CURVE

K. K-FACTOR (RATE OF VERTICAL CURVATURE)

R. RADIUS OF HORIZONTAL CURVE

W. WIDTH

H. HEIGHT

REV.	DESCRIPTION	DATE
01.	DRAWING UPDATED	JAN/2020
REV.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

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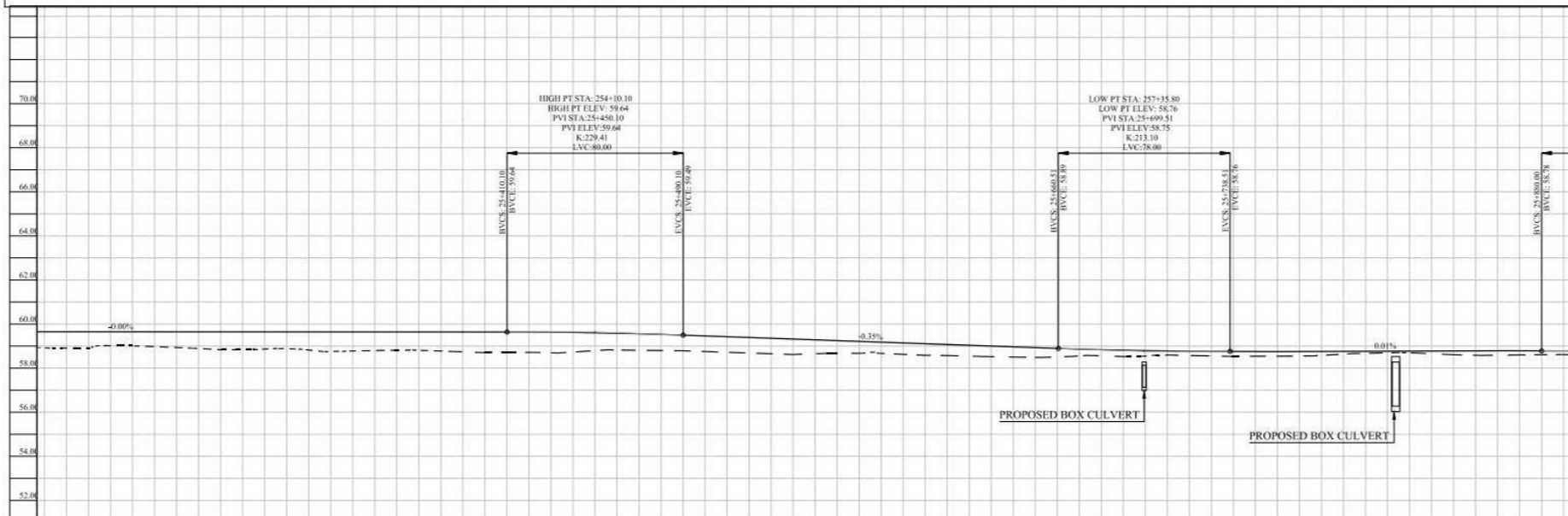
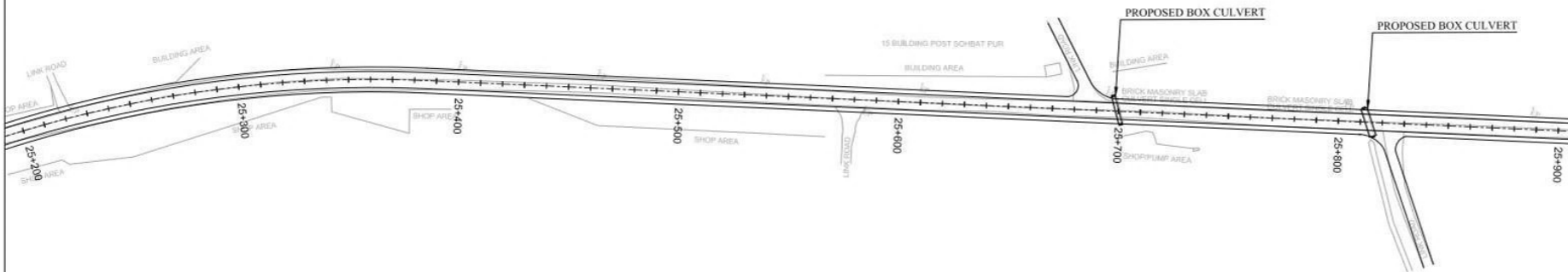
DRAWING TITLE :

DERA ALLAHYAR TO
HARDIN PLAN & PROFILE
AT KM 24+500 TO 25+200

DESIGN BY :	SHEET NO :
ASHITAR	36 of 55
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/36



STATION	L DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
25+200	0.731	58.916	59.647	750.44 -0.00%	
25+220	-0.743	58.904	59.647		
25+240	-0.636	59.610	59.646		
25+260	-0.711	58.934	59.645		
25+280	-0.807	58.837	59.644		
25+300	-0.781	58.862	59.643		
25+320	-0.822	58.820	59.642		
25+340	-0.866	58.775	59.641		
25+360	-0.829	58.811	59.640		
25+380	-0.864	58.775	59.639		
25+400	-0.938	58.700	59.638		
25+420	-0.923	58.712	59.635		
25+440	-0.889	58.728	59.617		
25+460	-0.758	58.823	59.581		
25+480	-0.730	58.796	59.528		
25+500	-0.707	58.753	59.460		
25+520	-0.705	58.684	59.389		
25+540	-0.700	58.619	59.318		
25+560	-0.578	58.669	59.248		
25+580	-0.509	58.669	59.177		
25+600	-0.524	58.583	59.106		
25+620	-0.492	58.544	59.036		
25+640	-0.464	58.501	58.965		
25+660	-0.386	58.508	58.894		
25+680	-0.277	58.556	58.833		
25+700	-0.244	58.545	58.790		
25+720	-0.194	58.572	58.766		
25+740	-0.230	58.530	58.750		
25+760	-0.221	58.542	58.763		
25+780	-0.189	58.576	58.765		
25+800	-0.097	58.671	58.768		
25+820	-0.079	58.692	58.770		
25+840	-0.166	58.606	58.773		
25+860	-0.190	58.585	58.775		
25+880	-0.172	58.606	58.778		
25+900	-0.193	58.587	58.791		

NOTES

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LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
CULVERT
H/F

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
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BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
LVCS. END OF VERTICAL CURVE STATION
LVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR
(RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DRAWING UPDATED	JAN/20
REV.	REVISION ISSUE	DATE

CLIENT :

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KASIB CONSULTANTS
PVT. LTD

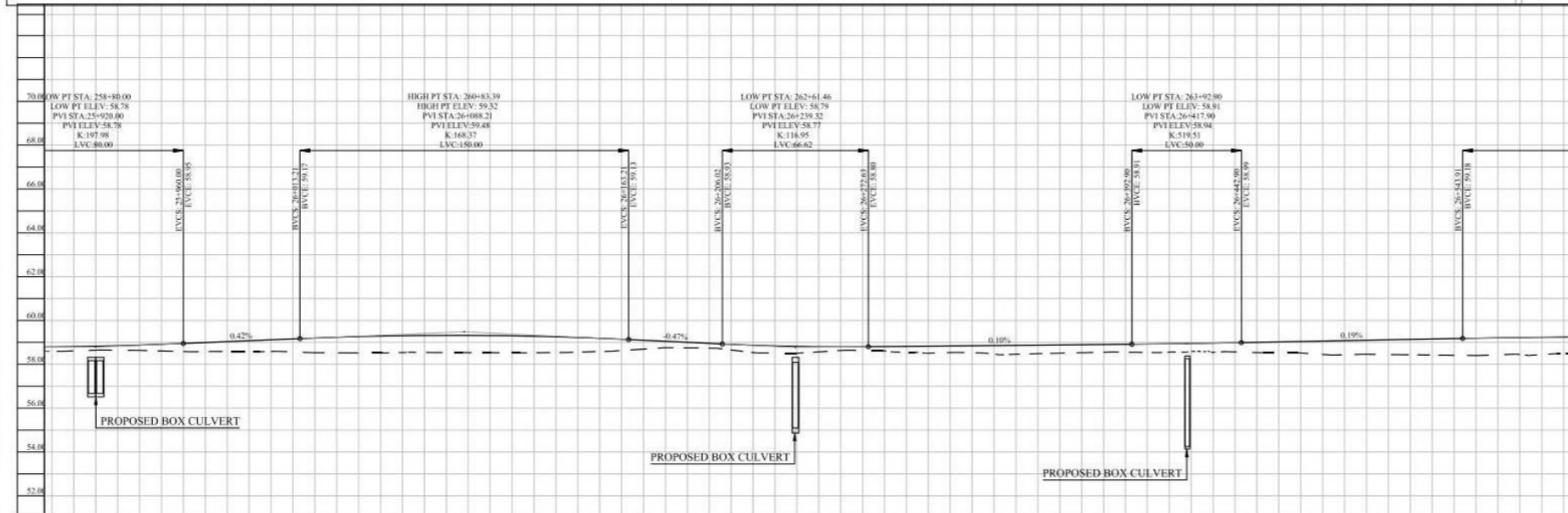
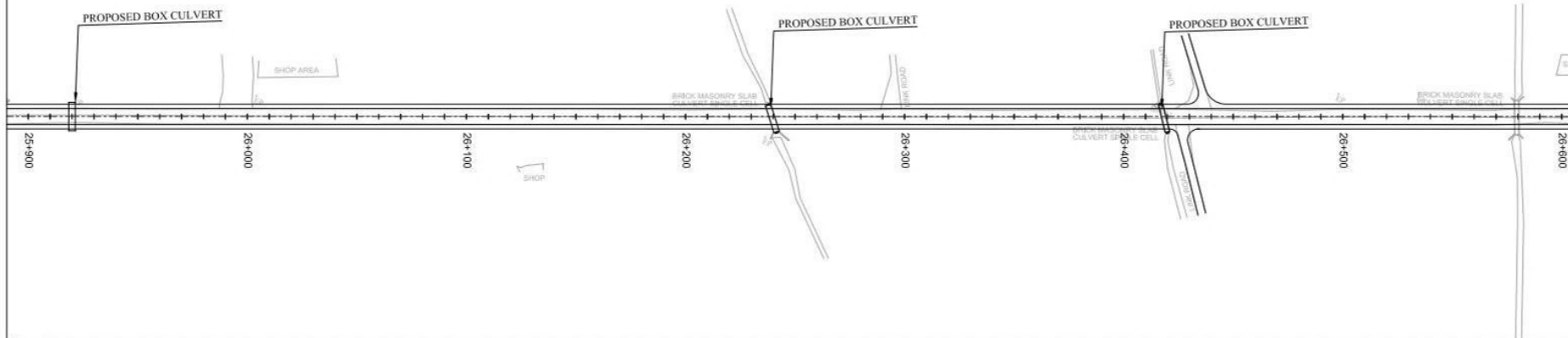
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 25+200 TO 25+900

DESIGN BY :	SHEET NO :
SUNILA	37 of 35
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/37



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
25+900	-0.193	58.597	58.791	80.00 19797.59	
25+920	-0.180	58.644	58.823		
25+940	-0.241	58.635	58.876		
25+960	-0.308	58.582	58.890		
25+980	-0.453	58.580	59.033		
26+000	-0.530	58.587	59.116		
26+020	-0.672	58.527	59.198		
26+040	-0.747	58.515	59.262		
26+060	-0.767	58.535	59.302		
26+080	-0.785	58.532	59.317		
26+100	-0.788	58.524	59.310		
26+120	-0.753	58.525	59.278		
26+140	-0.670	58.553	59.223		
26+160	-0.517	58.627	59.143		
26+180	-0.297	58.752	59.049		
26+200	-0.220	58.734	58.954		
26+220	-0.330	58.538	58.868		
26+240	-0.311	58.503	58.814		
26+260	-0.167	58.629	58.794		
26+280	-0.190	58.610	58.807		
26+300	-0.322	58.503	58.826		
26+320	-0.319	58.525	58.845		
26+340	-0.408	58.456	58.864		
26+360	-0.379	58.504	58.883		
26+380	-0.351	58.551	58.902		
26+400	-0.383	58.538	58.922		
26+420	-0.367	58.580	58.947		
26+440	-0.420	58.561	58.981		
26+460	-0.497	58.527	59.019		
26+480	-0.611	58.446	59.057		
26+500	-0.644	58.452	59.096		
26+520	-0.704	58.430	59.134		
26+540	-0.765	58.407	59.173		
26+560	-0.778	58.429	59.207		
26+580	-0.790	58.440	59.230		
26+600	-0.813	58.429	59.242		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION	DATE
01	DRAWING UPDATED JAN 2020
REV	REVISION ISSUE DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

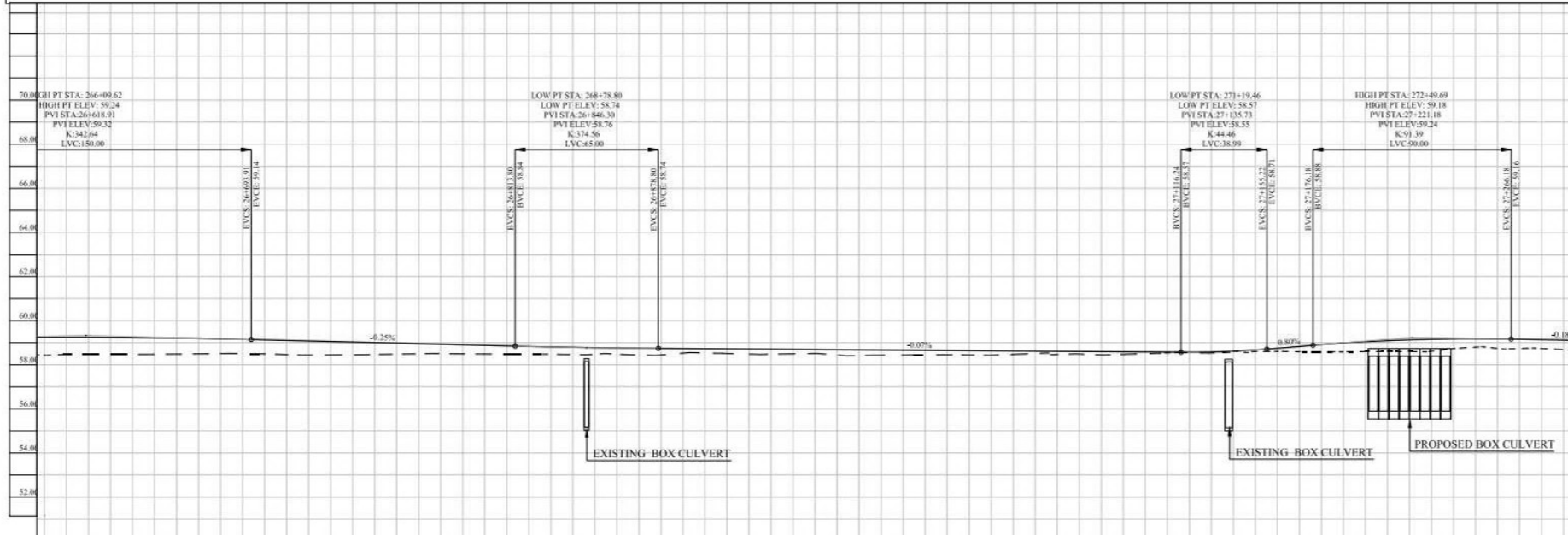
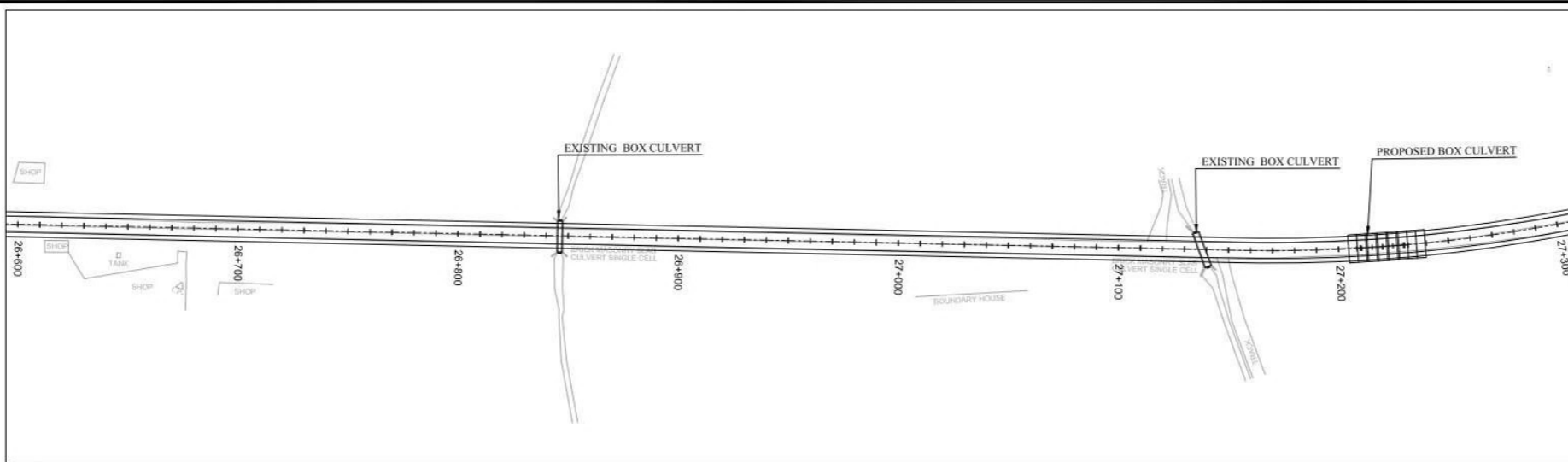
DRAWING TITLE :

DERA ALLAHYAR TO HAIRDIN PLAN & PROFILE
AT KM 25+900 TO 26+600

DESIGN BY :	SHEET NO :
SUNILA	38 of 55
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/38



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
26+000	-0.813	58.429	59.242	54268.15	150.00
26+020	-0.777	58.464	59.241		
26+040	-0.762	58.467	59.230		
26+060	-0.724	58.482	59.206		
26+080	-0.668	58.503	59.171		
26+100	-0.635	58.489	59.124		
26+120	-0.643	58.432	59.075		
26+140	-0.576	58.459	59.026		
26+160	-0.496	58.481	58.977		
26+180	-0.422	58.505	58.928		
26+200	-0.391	58.487	58.878		
26+220	-0.346	58.483	58.830		
26+240	-0.329	58.460	58.789		
26+260	-0.280	58.480	58.759		
26+280	-0.300	58.440	58.740		
26+300	-0.189	58.537	58.726		
26+320	-0.226	58.485	58.711		
26+340	-0.201	58.495	58.697		
26+360	-0.242	58.440	58.682		
26+380	-0.241	58.427	58.668		
27+000	-0.211	58.443	58.653		
27+020	-0.202	58.437	58.639		
27+040	-0.156	58.469	58.624		
27+060	-0.145	58.465	58.610		
27+080	-0.149	58.446	58.595		
27+100	-0.076	58.504	58.581		
27+120	-0.023	58.545	58.568		
27+140	-0.014	58.601	58.615		
27+160	-0.144	58.606	58.750		
27+180	-0.323	58.587	58.610		
27+200	-0.445	58.596	59.041		
27+220	-0.533	58.595	59.128		
27+240	-0.438	58.732	59.171		
27+260	-0.428	58.542	59.170		
27+280	-0.400	58.736	59.136		
27+300	-0.433	58.667	59.100		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K+FACTOR (RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN.2025

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 26+600 TO 27+300

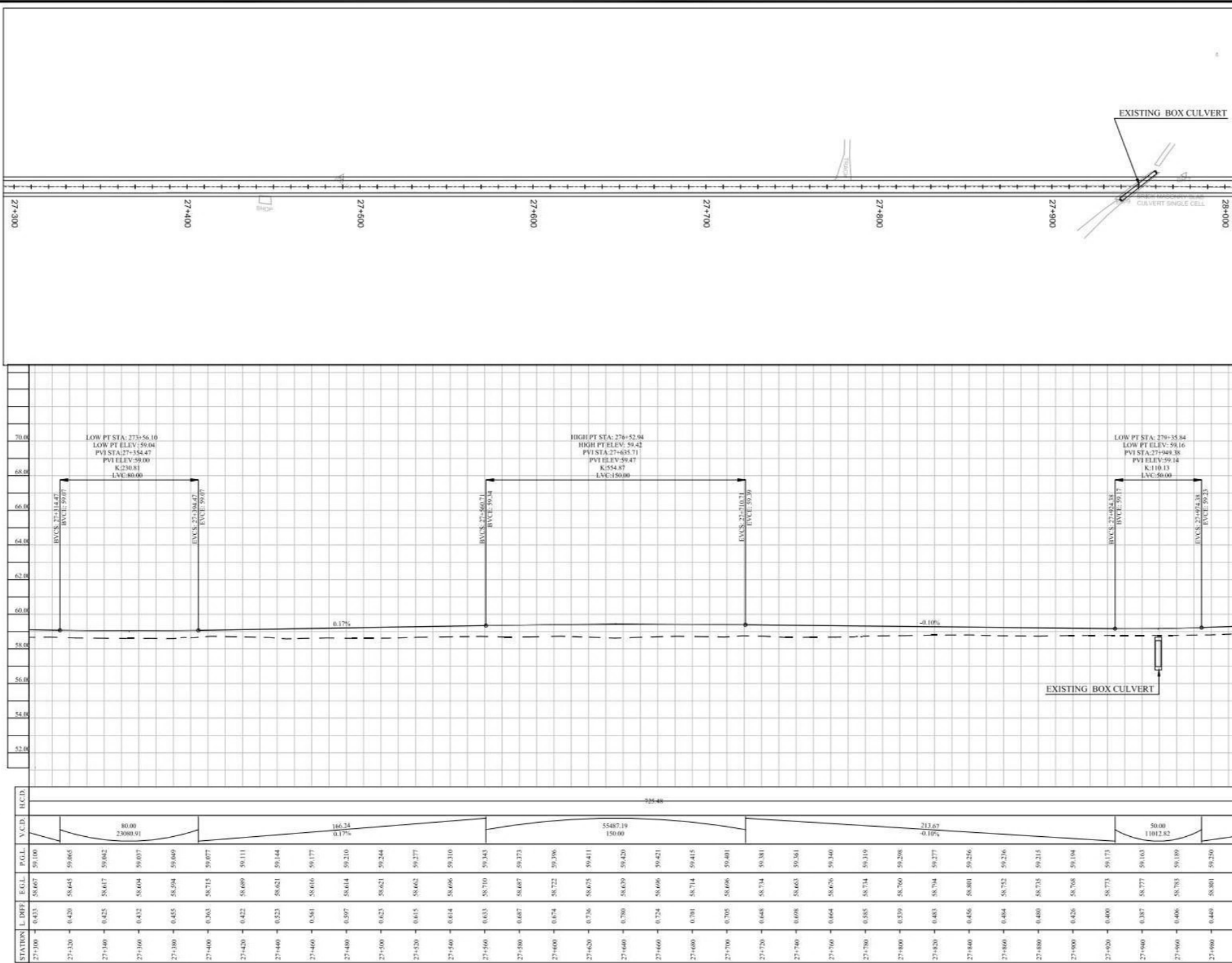
DESIGN BY : SUNILA
SHEET NO. : 39 of 55

DRAWN BY : AKHTAR
SCALE : 1 : 1000 H
1 : 1000 V

CHECKED BY : KHURAM
DATE : NOV. 2025

APPROVED BY : RASHID
REVISION : REV. 01

CAD FILE NAME :
ZUIFRAP/PP/39



NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K.F. FACTOR (RATE OF VERTICAL CURVATURE)
K. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DESCRIPTION	DATE
01.	DRAWING UPDATED	JAN/2020
02.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anas Square Plasm,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

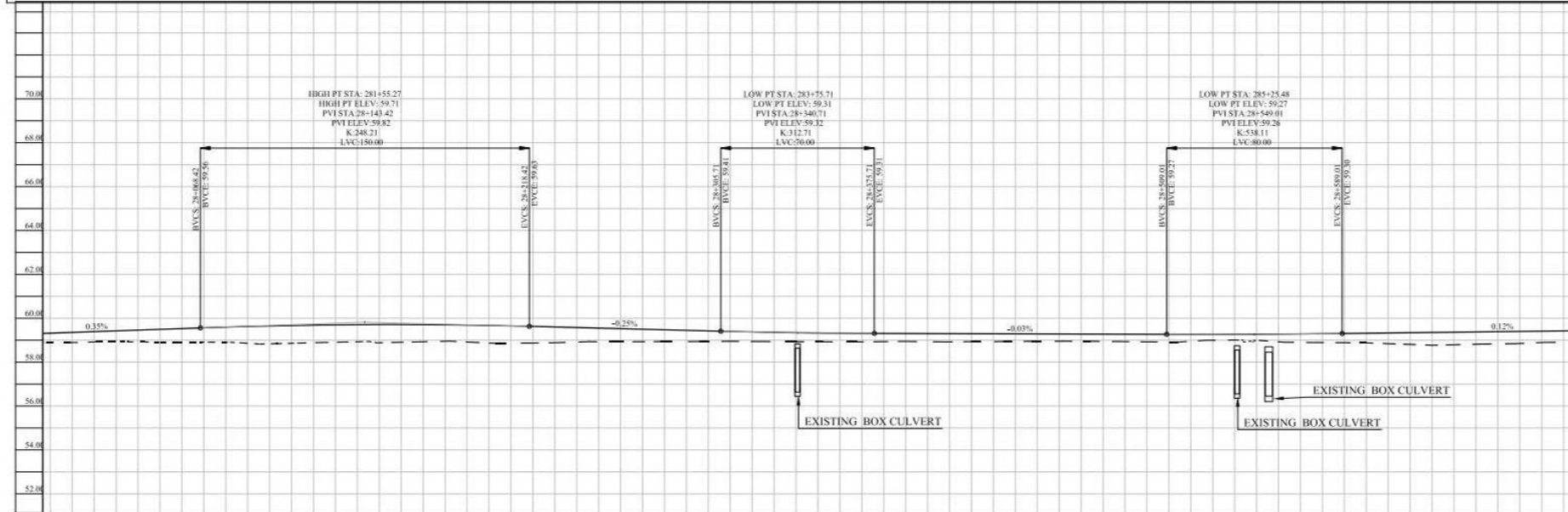
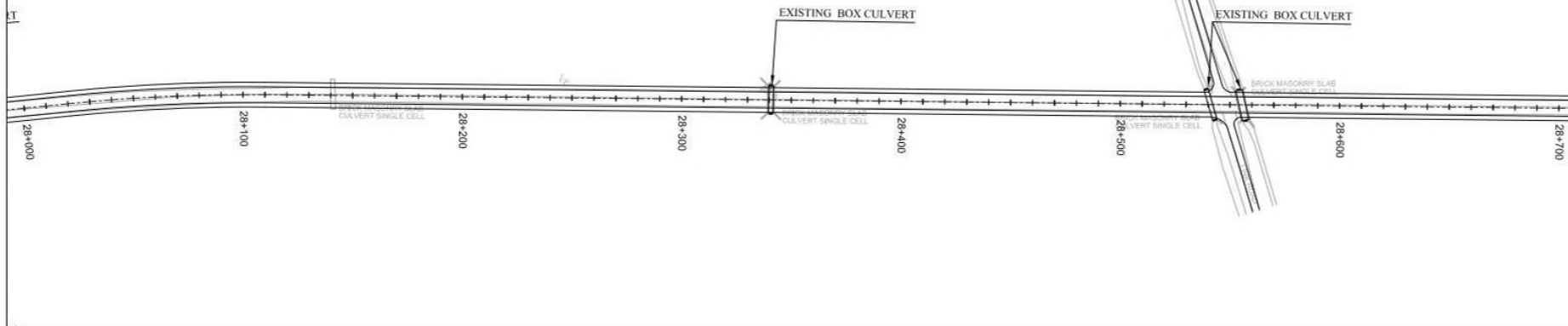
DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 27+300 TO 28+000

DESIGN BY :	SHEET NO :
SUNILA	40 of 55
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/40

ET



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
28+000	-0.431	58.889	59.320	0.35%	14.43
28+020	-0.472	58.918	59.390	0.35%	14.43
28+040	-0.541	58.919	59.460	0.35%	14.43
28+060	-0.616	58.914	59.530	0.35%	14.43
28+080	-0.692	58.905	59.597	0.35%	14.43
28+100	-0.816	58.834	59.650	0.35%	14.43
28+120	-0.904	58.882	59.686	0.35%	14.43
28+140	-0.779	58.927	59.706	0.35%	14.43
28+160	-0.805	58.906	59.711	0.35%	14.43
28+180	-0.740	58.950	59.699	0.35%	14.43
28+200	-0.801	58.870	59.671	0.35%	14.43
28+220	-0.759	58.868	59.627	0.35%	14.43
28+240	-0.662	58.913	59.576	0.35%	14.43
28+260	-0.601	58.924	59.525	0.35%	14.43
28+280	-0.541	58.913	59.474	0.35%	14.43
28+300	-0.482	58.941	59.423	0.35%	14.43
28+320	-0.434	58.941	59.376	0.35%	14.43
28+340	-0.411	58.930	59.340	0.35%	14.43
28+360	-0.395	58.922	59.318	0.35%	14.43
28+380	-0.375	58.912	59.308	0.35%	14.43
28+400	-0.371	58.931	59.301	0.35%	14.43
28+420	-0.363	58.912	59.295	0.35%	14.43
28+440	-0.348	58.941	59.289	0.35%	14.43
28+460	-0.333	58.950	59.283	0.35%	14.43
28+480	-0.335	58.942	59.277	0.35%	14.43
28+500	-0.348	58.923	59.271	0.35%	14.43
28+520	-0.315	58.951	59.266	0.35%	14.43
28+540	-0.261	58.907	59.268	0.35%	14.43
28+560	-0.331	58.925	59.277	0.35%	14.43
28+580	-0.401	58.902	59.293	0.35%	14.43
28+600	-0.439	58.877	59.316	0.35%	14.43
28+620	-0.533	58.807	59.340	0.35%	14.43
28+640	-0.571	58.792	59.363	0.35%	14.43
28+660	-0.555	58.832	59.387	0.35%	14.43
28+680	-0.520	58.891	59.411	0.35%	14.43
28+700	-0.523	58.934	59.434	0.35%	14.43

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN 2020
02	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Arya Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

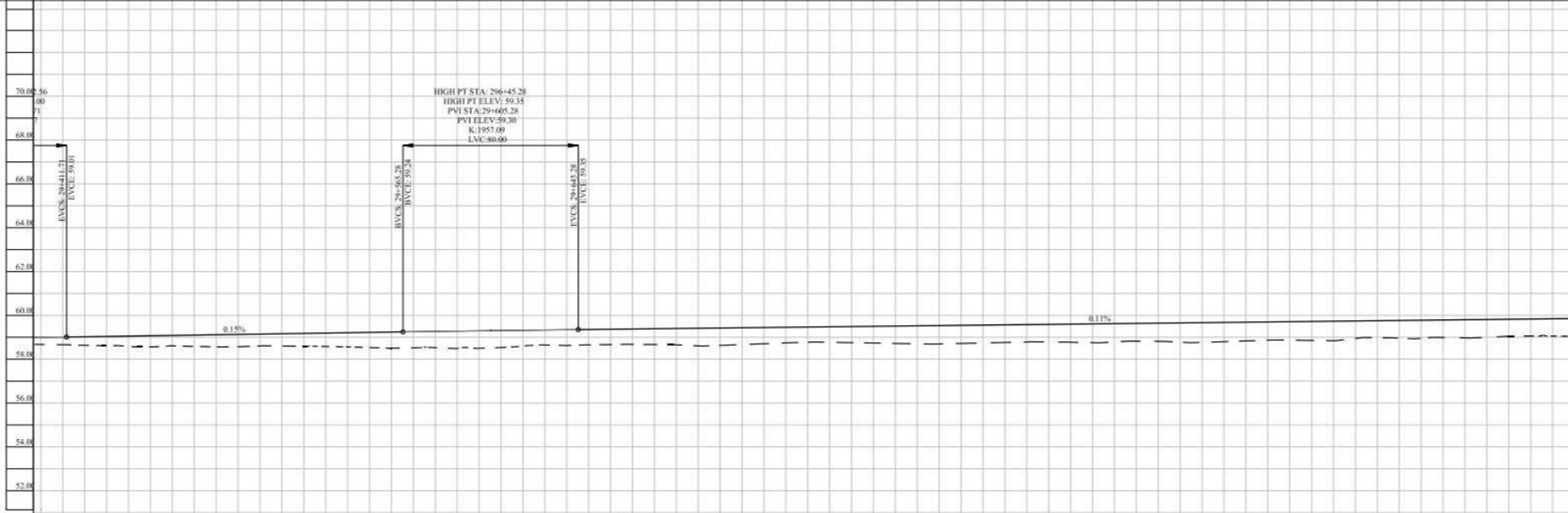
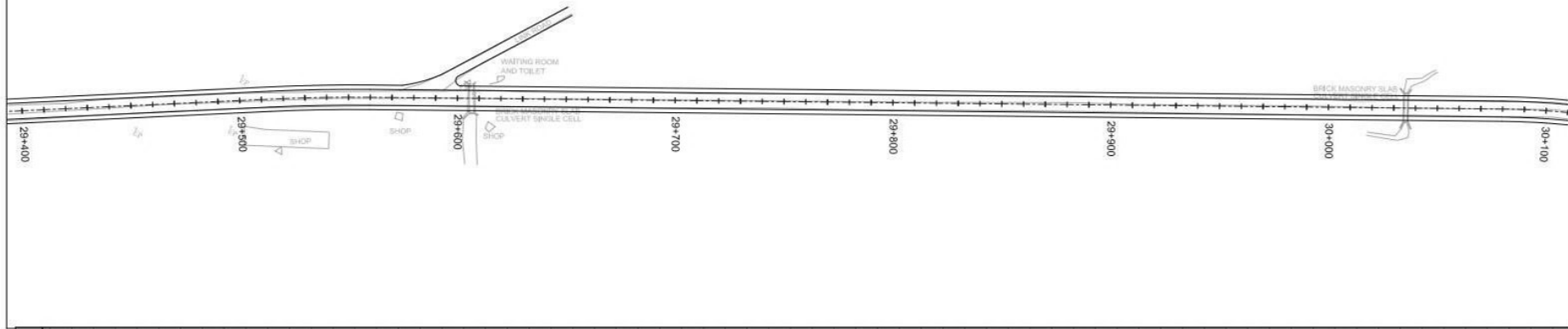
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 28+000 TO 28+700

DESIGN BY :	SUNILA	SHEET NO :	41 of 55
DRAWN BY :	AKHTAR	SCALE :	1 : 1000 H 1 : 1000 V
CHECKED BY :	KHURAM	DATE :	NOV. 2023
APPROVED BY :	RASHID	REVISION :	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/41



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
29+400	-0.128	58.670	58.698		
29+420	-0.388	58.635	59.023		
29+440	-0.470	58.584	59.053		
29+460	-0.478	58.606	59.084		
29+480	-0.553	58.562	59.114		
29+500	-0.530	58.605	59.145		
29+520	-0.582	58.593	59.175		
29+540	-0.648	58.558	59.205		
29+560	-0.733	58.503	59.236		
29+580	-0.745	58.521	59.266		
29+600	-0.798	58.495	59.294		
29+620	-0.720	58.599	59.320		
29+640	-0.722	58.622	59.343		
29+660	-0.699	58.667	59.366		
29+680	-0.722	58.666	59.388		
29+700	-0.805	58.605	59.410		
29+720	-0.767	58.666	59.433		
29+740	-0.715	58.740	59.455		
29+760	-0.704	58.773	59.477		
29+780	-0.764	58.735	59.499		
29+800	-0.823	58.699	59.522		
29+820	-0.828	58.716	59.544		
29+840	-0.803	58.765	59.566		
29+860	-0.803	58.785	59.588		
29+880	-0.857	58.754	59.611		
29+900	-0.810	58.823	59.633		
29+920	-0.882	58.773	59.655		
29+940	-0.879	58.799	59.677		
29+960	-0.836	58.864	59.700		
29+980	-0.867	58.855	59.722		
30+000	-0.798	58.946	59.744		
30+020	-0.810	58.957	59.766		
30+040	-0.800	58.989	59.789		
30+060	-0.813	58.998	59.811		
30+080	-0.779	59.054	59.833		
30+100	-0.816	59.040	59.856		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX
CULVERT
H/F

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. FACTOR
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DRAWING UPDATED	JAN/2020
REV.	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component I

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

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3rd Floor, Ans Square Plasm,
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KASIB CONSULTANTS
PVT. LTD

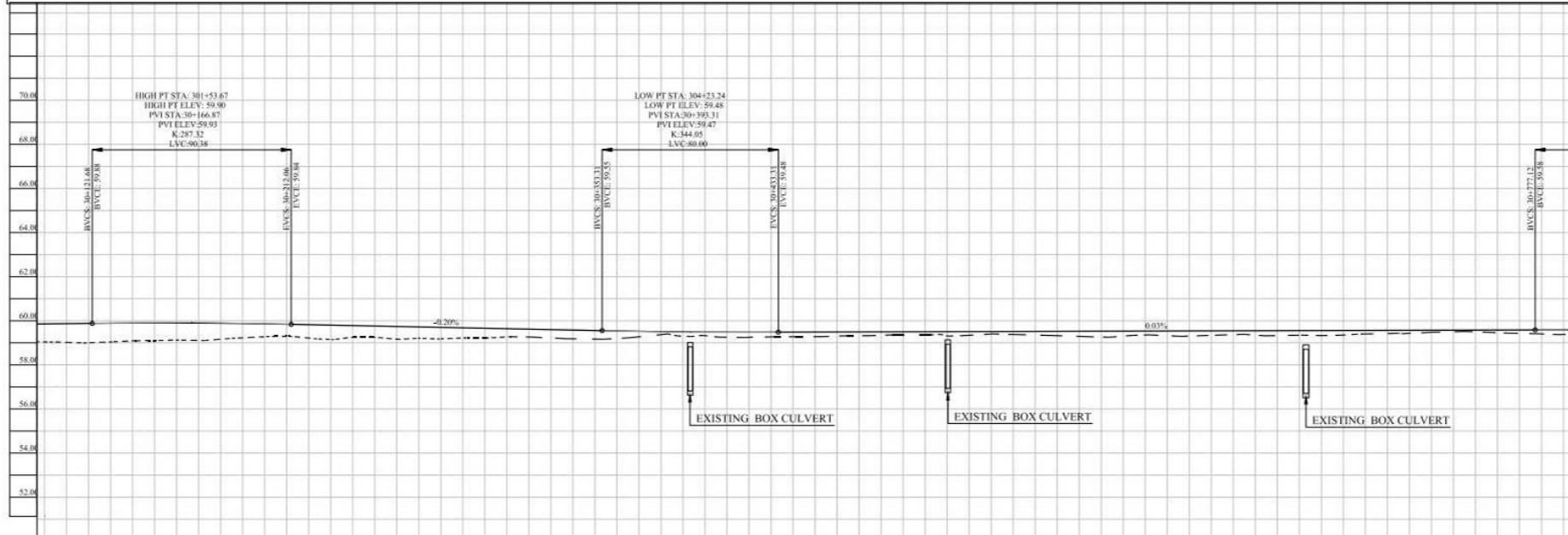
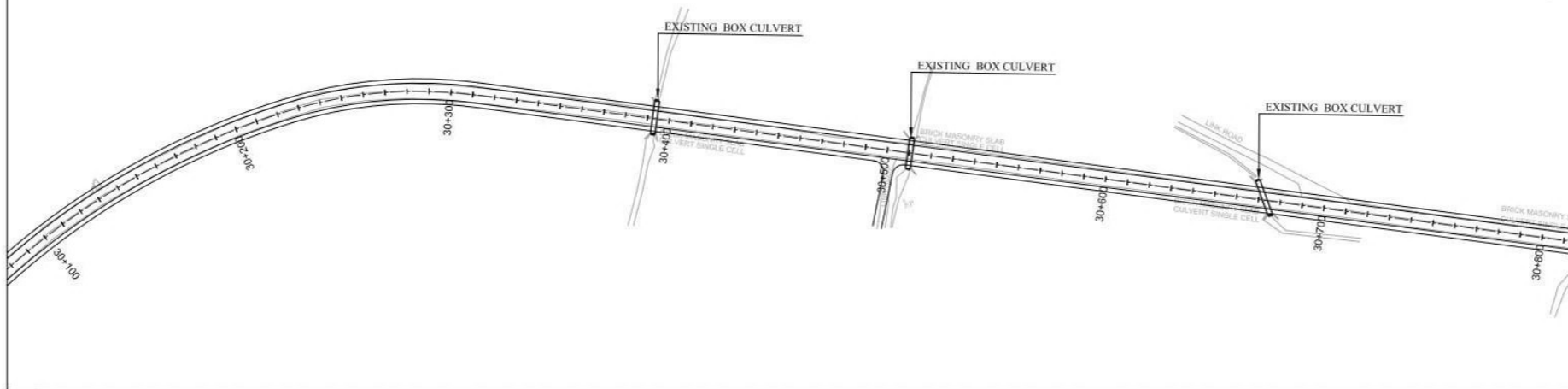
DRAWING TITLE:

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 29+400 TO 30+100

DESIGN BY:	SUNILA	SHEET NO:	43 of 55
DRAWN BY:	AKHTAR	SCALE:	1 : 1000 H 1 : 1000 V
CHECKED BY:	KHURAM	DATE:	NOV. 2025
APPROVED BY:	RASHID	REVISION:	REV. 01

CAD FILE NAME:

ZU/IFRAP/PP/43



STATION	L DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
30+100	-0.816	59.040	59.856		
30+120	-0.876	59.001	59.878		
30+140	-0.807	59.087	59.894		
30+160	-0.778	59.119	59.897		
30+180	-0.727	59.159	59.885		
30+200	-0.585	59.278	59.860		
30+220	-0.609	59.213	59.822		
30+240	-0.530	59.251	59.781		
30+260	-0.581	59.160	59.741		
30+280	-0.522	59.178	59.700		
30+300	-0.442	59.217	59.659		
30+320	-0.359	59.260	59.619		
30+340	-0.398	59.180	59.578		
30+360	-0.344	59.194	59.538		
30+380	-0.138	59.370	59.507		
30+400	-0.168	59.320	59.488		
30+420	-0.233	59.247	59.480		
30+440	-0.209	59.274	59.483		
30+460	-0.188	59.302	59.489		
30+480	-0.156	59.340	59.495		
30+500	-0.141	59.360	59.501		
30+520	-0.166	59.340	59.507		
30+540	-0.134	59.378	59.513		
30+560	-0.200	59.319	59.519		
30+580	-0.265	59.259	59.524		
30+600	-0.177	59.334	59.530		
30+620	-0.232	59.305	59.536		
30+640	-0.172	59.370	59.542		
30+660	-0.222	59.326	59.548		
30+680	-0.228	59.326	59.554		
30+700	-0.164	59.396	59.560		
30+720	-0.137	59.425	59.565		
30+740	-0.072	59.499	59.571		
30+760	-0.122	59.455	59.577		
30+780	-0.181	59.402	59.583		
30+800	-0.180	59.419	59.599		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR
(RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN/2020
02	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEEBOK INTERNATIONAL (PVT) LTD
3rd Floor, Area Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE :

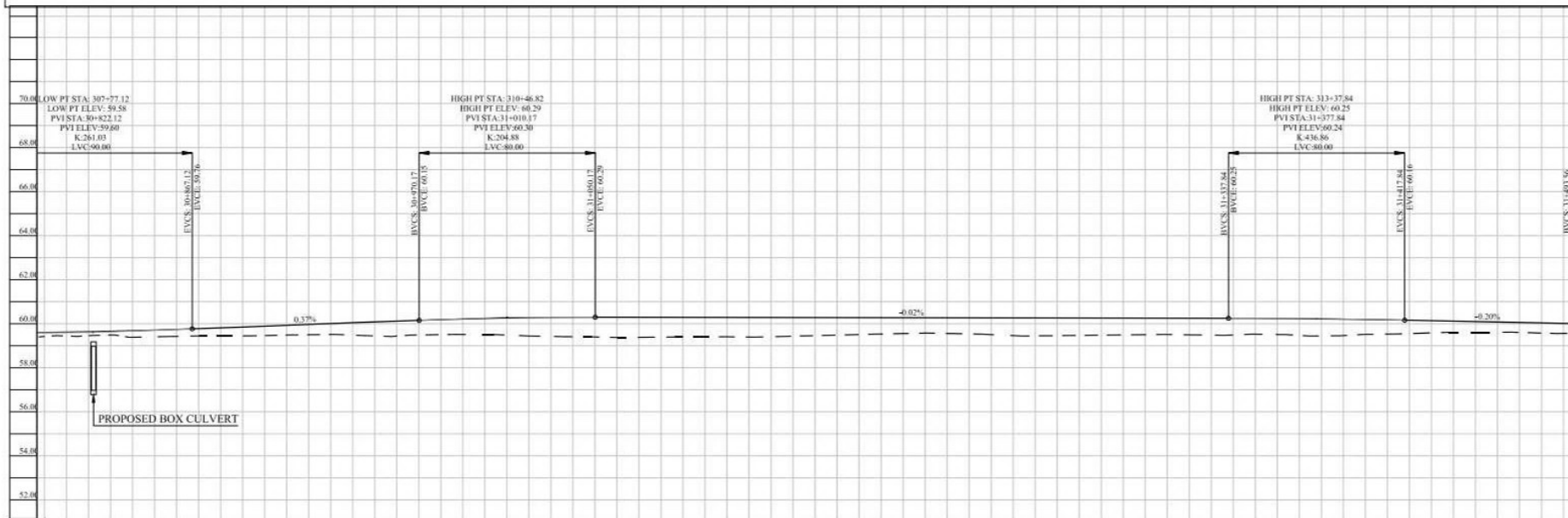
DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 30+100 TO 30+800

DESIGN BY:	SHEET NO:
SUNILA	44 of 55
DRAWN BY:	SCALE:
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/44

PROPOSED BOX CULVERT



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
30+800	-0.180	59.419	59.599	90.00	
30+820	-0.178	59.432	59.610	26102.66	
30+840	-0.295	59.382	59.676		
30+860	-0.316	59.422	59.738		
30+880	-0.326	59.443	59.812		
30+900	-0.429	59.458	59.887		
30+920	-0.466	59.496	59.962	103.05	
30+940	-0.555	59.481	60.036	0.37%	
30+960	-0.677	59.434	60.111		
30+980	-0.681	59.503	60.184		
31+000	-0.729	59.510	60.239	20458.34	
31+020	-0.835	59.440	60.275	80.00	
31+040	-0.857	59.404	60.291		
31+060	-0.920	59.371	60.291		
31+080	-0.900	59.387	60.287		
31+100	-0.886	59.395	60.284		
31+120	-0.880	59.391	60.281		
31+140	-0.846	59.432	60.278		
31+160	-0.793	59.481	60.274		
31+180	-0.742	59.529	60.271		
31+200	-0.696	59.572	60.268	287.67	
31+220	-0.729	59.535	60.264	-0.02%	
31+240	-0.805	59.450	60.261		
31+260	-0.803	59.455	60.258		
31+280	-0.777	59.478	60.255		
31+300	-0.790	59.501	60.251		
31+320	-0.754	59.494	60.248		
31+340	-0.757	59.488	60.245	43685.50	
31+360	-0.726	59.509	60.236	80.00	
31+380	-0.776	59.442	60.218		
31+400	-0.673	59.518	60.191		
31+420	-0.605	59.549	60.155	75.72	
31+440	-0.508	59.607	60.115	-0.20%	
31+460	-0.463	59.612	60.075		
31+480	-0.461	59.574	60.035		
31+500	-0.424	59.573	59.997		

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.

2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
P.V.I. POINT OF VERTICAL INTERSECTION ELEVATION
L.V.C. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN/2020
02	REVISION ISSUE	

CLIENT

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Area Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 30+800 TO 31+500

DESIGN BY: SUNILA

DRAWN BY: AKHTAR

CHECKED BY: KHURAM

APPROVED BY: RASHID

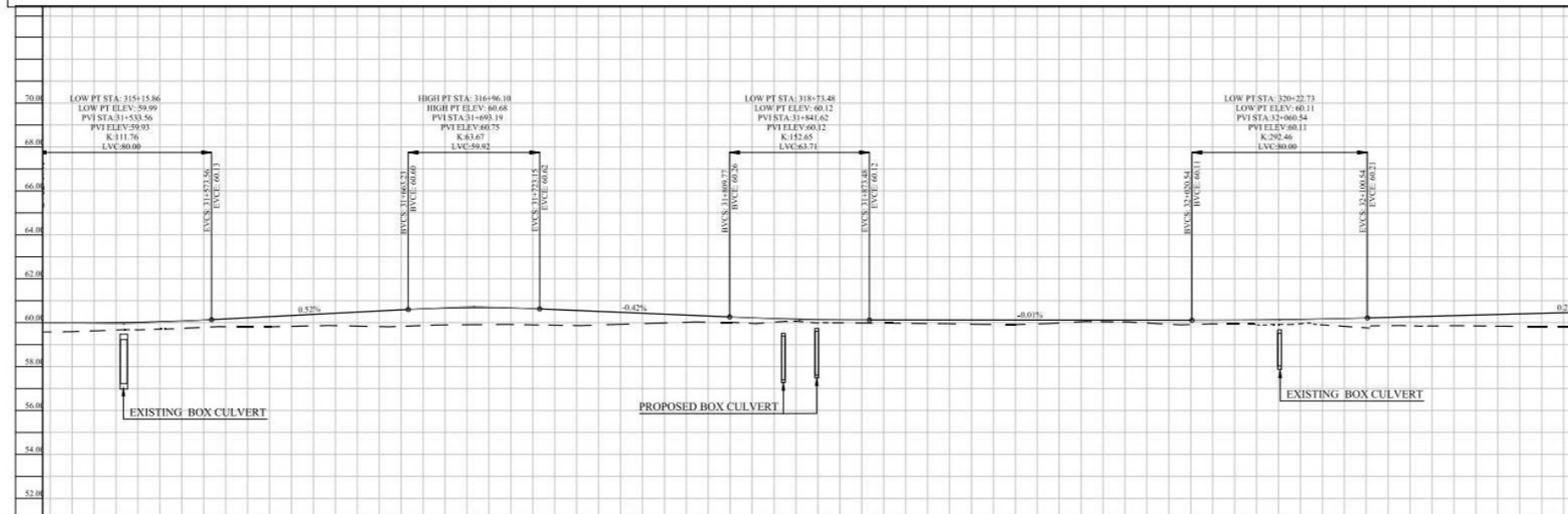
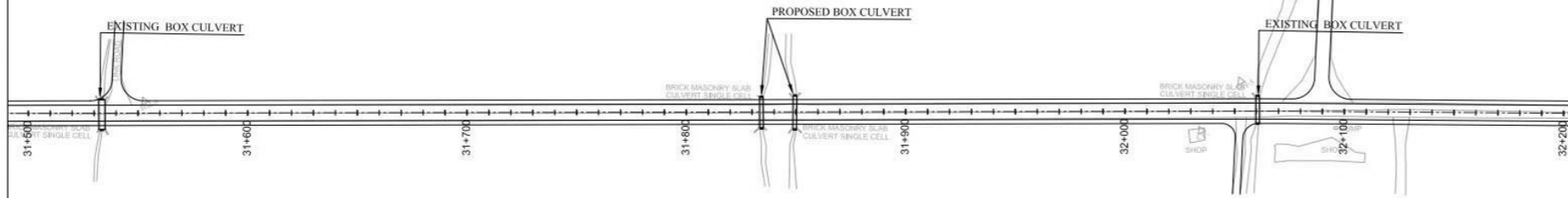
SHEET NO: 45 of 55

SCALE: 1 : 1000 H
1 : 1000 V

DATE: NOV, 2025

REVISION: REV. 01

CAD FILE NAME: ZU/IFRAP/PP/45



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
31+500	-0.428	59.573	59.997	80.00 111.76.40	
31+520	-0.365	59.622	59.986		
31+540	-0.342	59.670	60.012		
31+560	-0.336	59.717	60.073		
31+580	-0.354	59.813	60.168		
31+600	-0.401	59.810	60.271		
31+620	-0.522	59.853	60.374	59.67 0.52%	
31+640	-0.638	59.839	60.477		
31+660	-0.752	59.825	60.581		
31+680	-0.772	59.890	60.662	63.66.96 -59.92	
31+700	-0.772	59.909	60.681		
31+720	-0.742	59.896	60.637		
31+740	-0.687	59.866	60.553		
31+760	-0.547	59.921	60.468	56.63 -0.42%	
31+780	-0.400	59.984	60.383		
31+800	-0.277	60.021	60.298	63.71 152.65.15	
31+820	-0.254	59.962	60.217		
31+840	-0.102	60.056	60.158		
31+860	-0.135	59.991	60.126		
31+880	-0.144	59.975	60.119		
31+900	-0.159	59.959	60.117		
31+920	-0.188	59.927	60.116		
31+940	-0.203	59.911	60.114	147.86 -0.01%	
31+960	-0.130	59.983	60.113		
31+980	-0.072	60.039	60.111		
32+000	-0.129	59.981	60.110		
32+020	-0.199	59.899	60.108	80.00 292.45.71	
32+040	-0.181	59.932	60.113		
32+060	-0.212	59.920	60.132		
32+080	-0.268	59.896	60.164		
32+100	-0.447	59.763	60.210		
32+120	-0.410	59.853	60.263		
32+140	-0.459	59.857	60.316		
32+160	-0.532	59.838	60.379		
32+180	-0.602	59.821	60.423	193.57 0.27%	
32+200	-0.655	59.821	60.476		

NOTES

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- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K+FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN.2025
02	REVISION ISSUE	

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

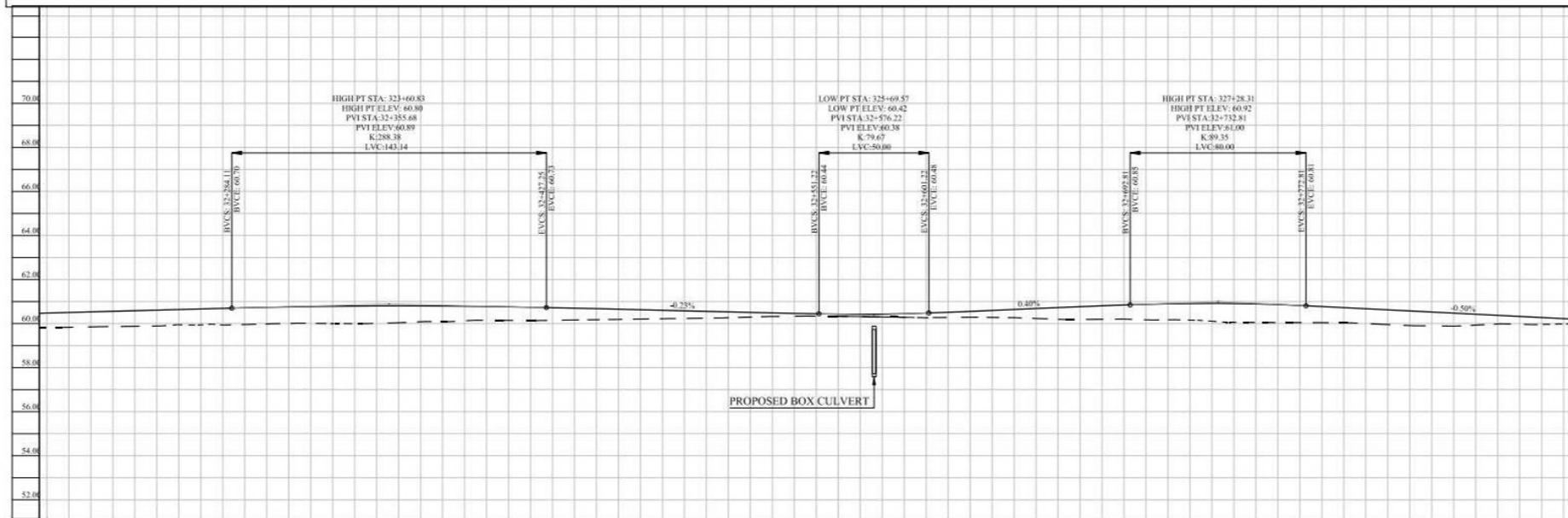
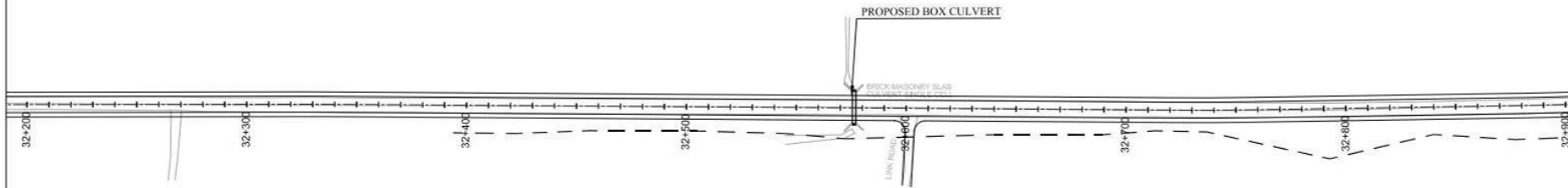
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRIDN PLAN & PROFILE
AT KM 31+500 TO 32+200

DESIGN BY : SUNILA
DRAWN BY : AKHTAR
CHECKED BY : KHURAM
APPROVED BY : RASHID

SHEET NO : 46 of 55
SCALE : 1 : 1000 H
1 : 1000 V
DATE : NOV. 2025
REVISION : REV. 01

CAD FILE NAME : ZUIFRAP/PP/46



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
32+200	-0.655	59.821	60.476		
32+220	-0.682	59.847	60.529		
32+240	-0.710	59.873	60.582		
32+260	-0.690	59.946	60.636		
32+280	-0.735	59.934	60.689		
32+300	-0.757	59.981	60.738		
32+320	-0.763	60.010	60.773		
32+340	-0.800	59.994	60.794		
32+360	-0.768	60.034	60.802		
32+380	-0.713	60.082	60.796		
32+400	-0.650	60.145	60.775		
32+420	-0.605	60.136	60.741		
32+440	-0.536	60.160	60.696		
32+460	-0.468	60.186	60.650		
32+480	-0.389	60.215	60.604		
32+500	-0.313	60.245	60.558		
32+520	-0.219	60.293	60.512		
32+540	-0.136	60.330	60.466		
32+560	-0.096	60.329	60.425		
32+580	-0.129	60.297	60.426		
32+600	-0.213	60.264	60.477		
32+620	-0.271	60.286	60.556		
32+640	-0.309	60.266	60.636		
32+660	-0.521	60.194	60.715		
32+680	-0.662	60.192	60.795		
32+700	-0.702	60.169	60.871		
32+720	-0.758	60.155	60.912		
32+740	-0.854	60.054	60.908		
32+760	-0.815	60.044	60.860		
32+780	-0.731	60.038	60.769		
32+800	-0.672	59.998	60.670		
32+820	-0.663	59.907	60.570		
32+840	-0.589	59.882	60.471		
32+860	-0.395	59.979	60.371		
32+880	-0.313	59.958	60.271		
32+900	-0.207	59.965	60.172		

NOTES

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LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K+FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

RE	DRAWING UPDATED	JAN.2025
REV	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
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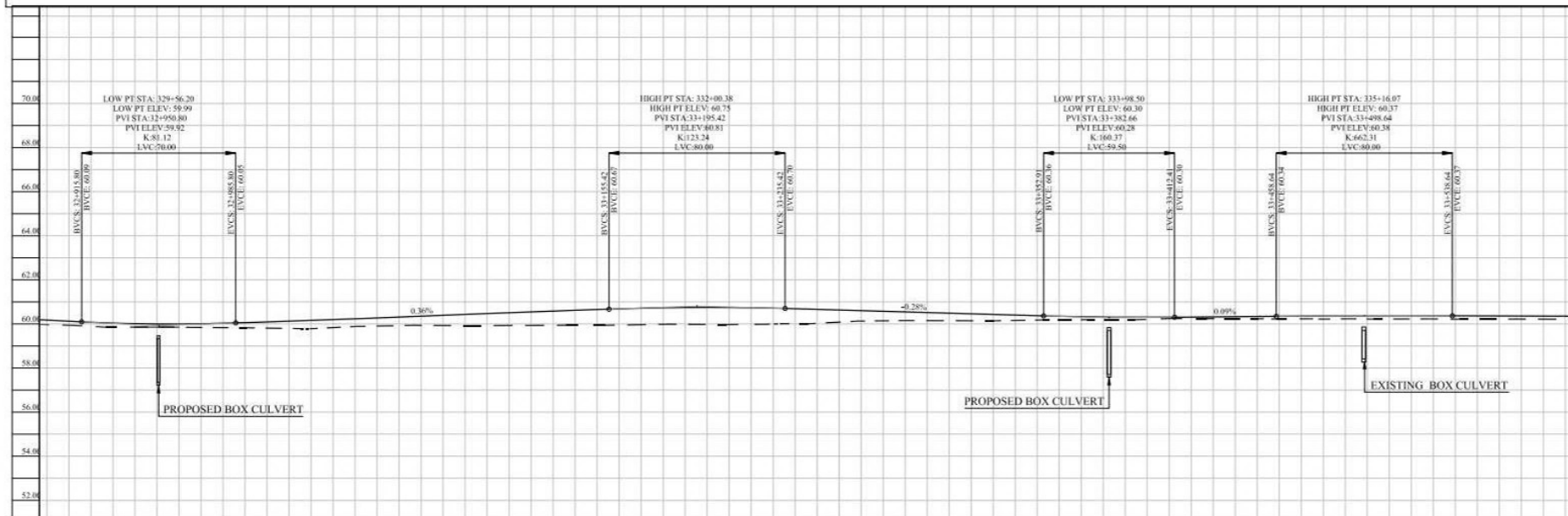
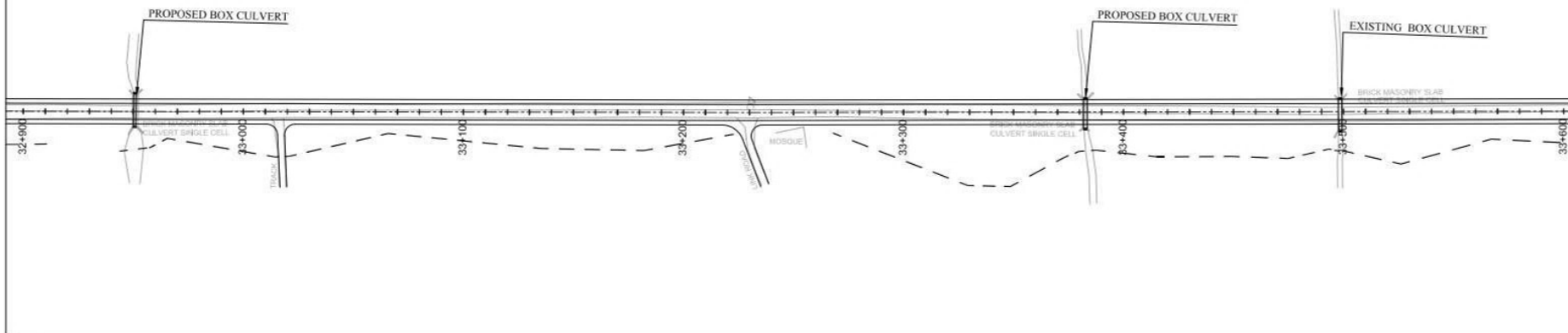
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 32+200 TO 32+900

DESIGN BY :	SUNILA	SHEET NO :	47 of 55
DRAWN BY :	AKHTAR	SCALE :	1 : 1000 H 1 : 1000 V
CHECKED BY :	KHURAM	DATE :	NOV. 2025
APPROVED BY :	RASHID	REVISION :	REV. 01

CAD FILE NAME :

ZI/IFRAP/PP/47



STATION	STA.	LOW PT STA	LOW PT ELEV	PVI STA	PVI ELEV	K	LVC
32+900	32+900	329+56.20	59.99	329+90.80	59.92	12	70.00
33+000	33+000	332+00.38	60.75	331+95.42	60.81	123.24	80.00
33+100	33+100	333+08.50	60.30	332+38.66	60.28	160.37	59.50
33+200	33+200	335+16.07	60.37	334+68.64	60.34	662.31	80.00

NOTES

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LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
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BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN-2025

CLIENT

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT

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3rd Floor, Ansa Square Plaza,
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Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

DRAWING TITLE

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 32+900 TO 33+600

DESIGN BY: SUNILA

DRAWN BY: AKHTAR

CHECKED BY: KHURAM

APPROVED BY: RASHID

SHEET NO: 48 of 55

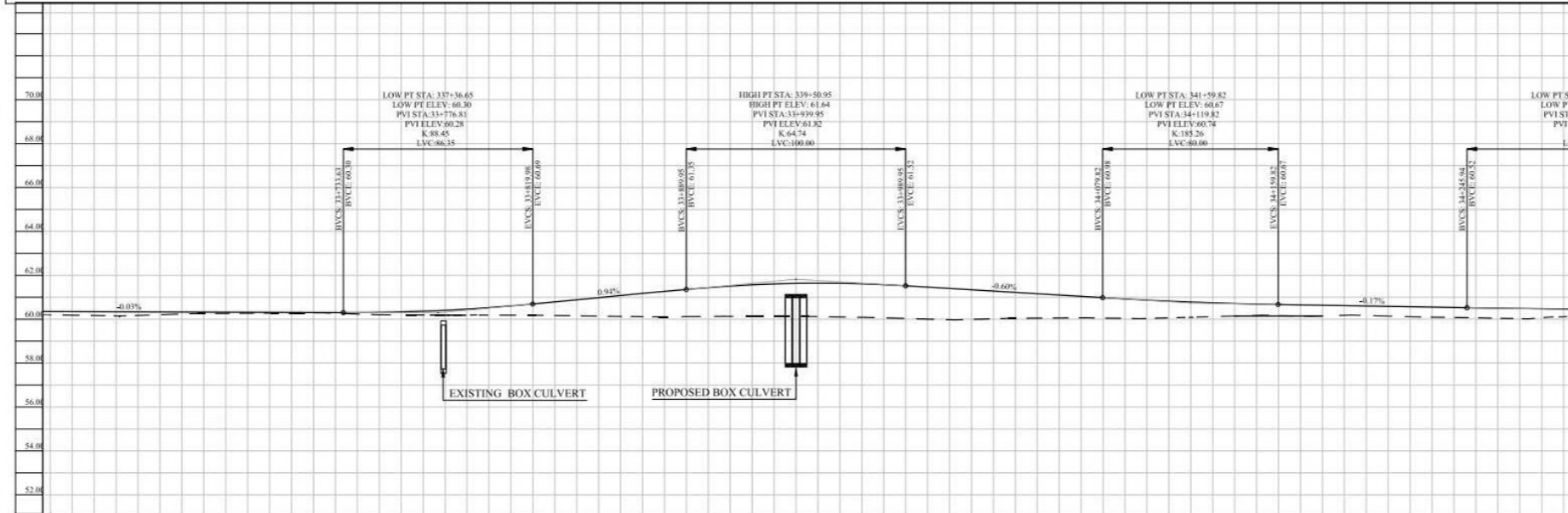
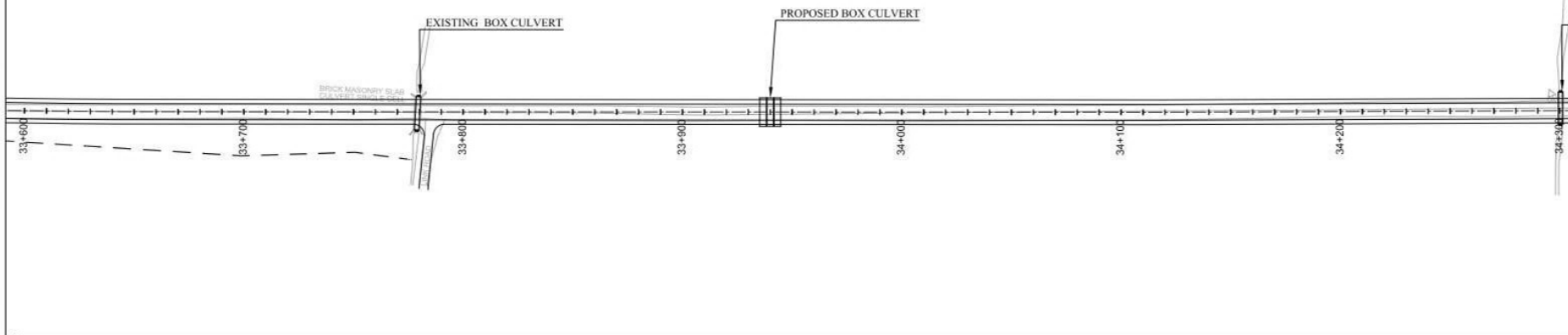
SCALE: 1:1000 H
1:1000 V

DATE: NOV, 2025

REVISION: REV. 01

CAD FILE NAME:

ZU/IFRAP/PP/48



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
33+600	-0.143	60.202	60.345		
33+620	-0.169	60.169	60.338		
33+640	-0.156	60.175	60.331		
33+660	-0.089	60.236	60.325		
33+680	-0.052	60.266	60.318		
33+700	-0.034	60.277	60.311		
33+720	-0.016	60.288	60.304		
33+740	-0.063	60.236	60.300		
33+760	-0.133	60.197	60.330		
33+780	-0.222	60.183	60.406		
33+800	-0.336	60.190	60.526		
33+820	-0.510	60.182	60.692		
33+840	-0.727	60.153	60.880		
33+860	-0.945	60.124	61.069		
33+880	-1.148	60.109	61.257		
33+900	-1.314	60.124	61.438		
33+920	-1.440	60.124	61.564		
33+940	-1.507	60.122	61.629		
33+960	-1.533	60.099	61.632		
33+980	-1.516	60.057	61.573		
34+000	-1.457	60.003	61.460		
34+020	-1.349	59.991	61.340		
34+040	-1.180	60.040	61.219		
34+060	-1.046	60.052	61.099		
34+080	-0.929	60.049	60.978		
34+100	-0.836	60.033	60.869		
34+120	-0.694	60.087	60.781		
34+140	-0.570	60.145	60.715		
34+160	-0.507	60.163	60.670		
34+180	-0.489	60.147	60.636		
34+200	-0.431	60.171	60.602		
34+220	-0.456	60.111	60.567		
34+240	-0.457	60.076	60.533		
34+260	-0.460	60.041	60.501		
34+280	-0.410	60.066	60.476		
34+300	-0.310	60.148	60.458		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR
(RATE OF VERTICAL CURVATURE)
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV.	DRAWING UPDATED	DATE
01	DRAWING UPDATED	JAN 2020
02	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Arya Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

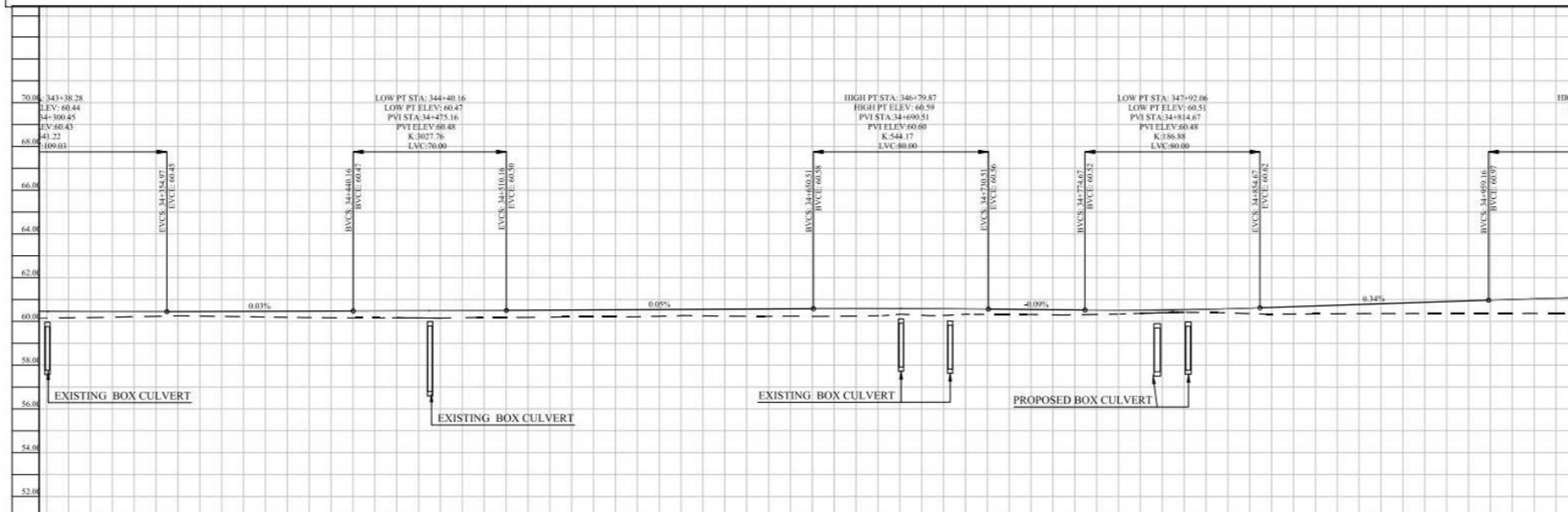
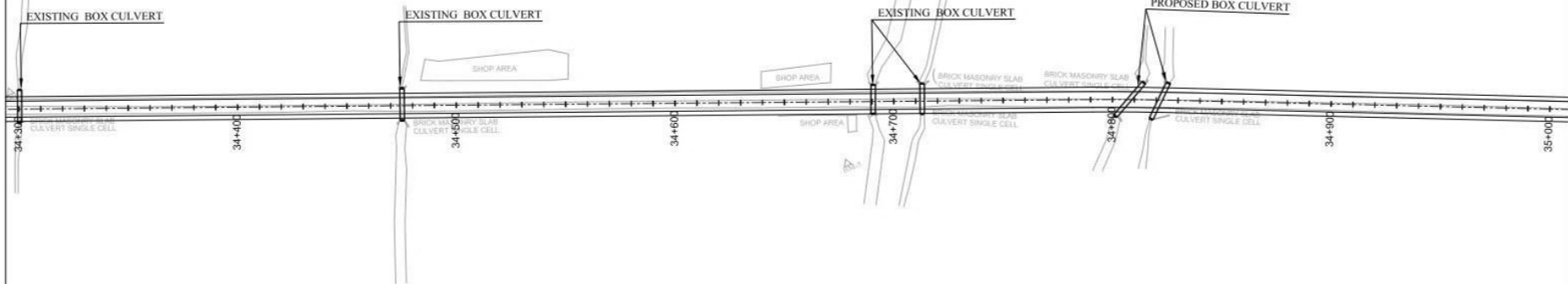
DRAWING TITLE :

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 33+600 TO 34+300

DESIGN BY :	SHEET NO :
SUNILA	49 of 55
DRAWN BY :	SCALE :
AKHTAR	1 : 1000 H 1 : 1000 V
CHECKED BY :	DATE :
KHURAM	NOV. 2025
APPROVED BY :	REVISION :
RASHID	REV. 01

CAD FILE NAME :

ZU/IFRAP/PP/49



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
34+300	-0.310	60.148	60.458	99.03	
34+320	-0.274	60.174	60.448	121.70	
34+340	-0.233	60.211	60.444		65.19
34+360	-0.198	60.250	60.449	0.03%	
34+380	-0.226	60.229	60.455		
34+400	-0.266	60.201	60.461		70.00
34+420	-0.293	60.174	60.467	302775.96	
34+440	-0.319	60.154	60.473		
34+460	-0.316	60.164	60.480		
34+480	-0.337	60.151	60.488		
34+500	-0.324	60.174	60.498		
34+520	-0.328	60.180	60.508		
34+540	-0.317	60.202	60.519		
34+560	-0.325	60.205	60.530		
34+580	-0.304	60.236	60.541	140.35	
34+600	-0.299	60.253	60.551	0.05%	
34+620	-0.328	60.235	60.562		54416.79
34+640	-0.330	60.243	60.573	80.00	
34+660	-0.347	60.236	60.583		
34+680	-0.329	60.257	60.587		
34+700	-0.305	60.278	60.583		
34+720	-0.247	60.325	60.572		
34+740	-0.237	60.317	60.554		
34+760	-0.237	60.299	60.536		
34+780	-0.199	60.319	60.518		
34+800	-0.149	60.366	60.516		
34+820	-0.124	60.411	60.515		
34+840	-0.102	60.483	60.575		
34+860	-0.307	60.329	60.637		
34+880	-0.365	60.339	60.704		
34+900	-0.429	60.351	60.771		
34+920	-0.482	60.355	60.838		
34+940	-0.550	60.355	60.905		
34+960	-0.614	60.358	60.972		
34+980	-0.672	60.362	61.033		
35+000	-0.728	60.357	61.085		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVC. BEGINNING OF VERTICAL CURVE
EVC. END OF VERTICAL CURVE
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
L. LENGTH OF VERTICAL CURVE
K. RATE OF VERTICAL CURVATURE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN.2025
02	REVISION ISSUE	

CLIENT

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

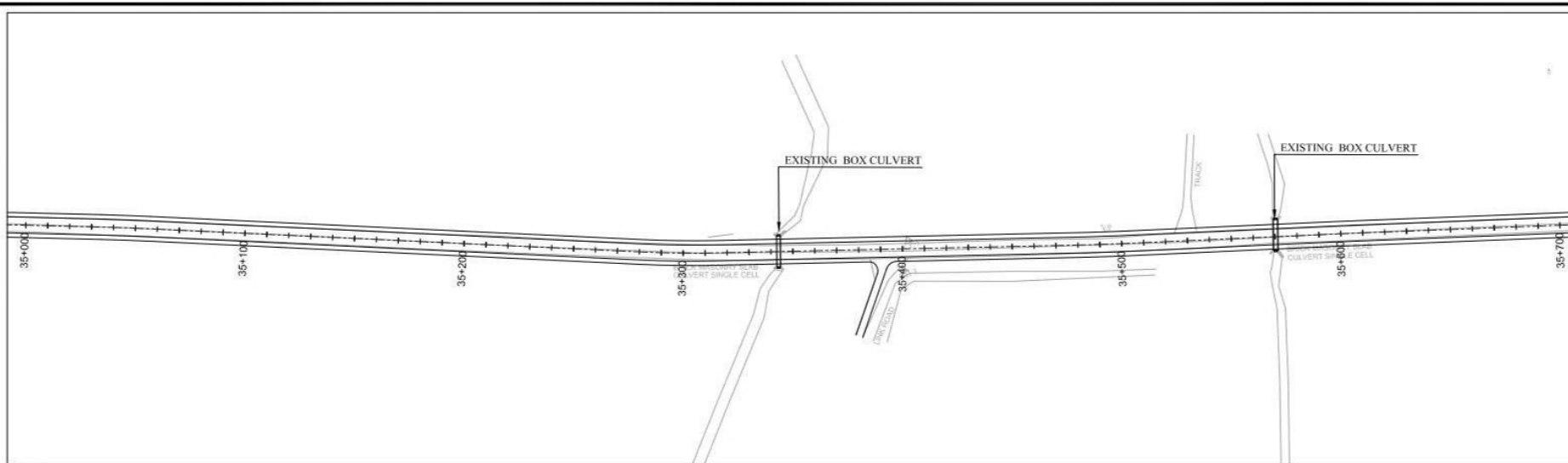
DRAWING TITLE

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 34+300 TO 35+000

DESIGN BY: SUNILA
DRAWN BY: AKHTAR
CHECKED BY: KHURAM
APPROVED BY: RASHID

SHEET NO: 50 of 55
SCALE: 1:1000 H
1:1000 V
DATE: NOV. 2025
REVISION: REV. 01

CAD FILE NAME: 34+300-PP-50



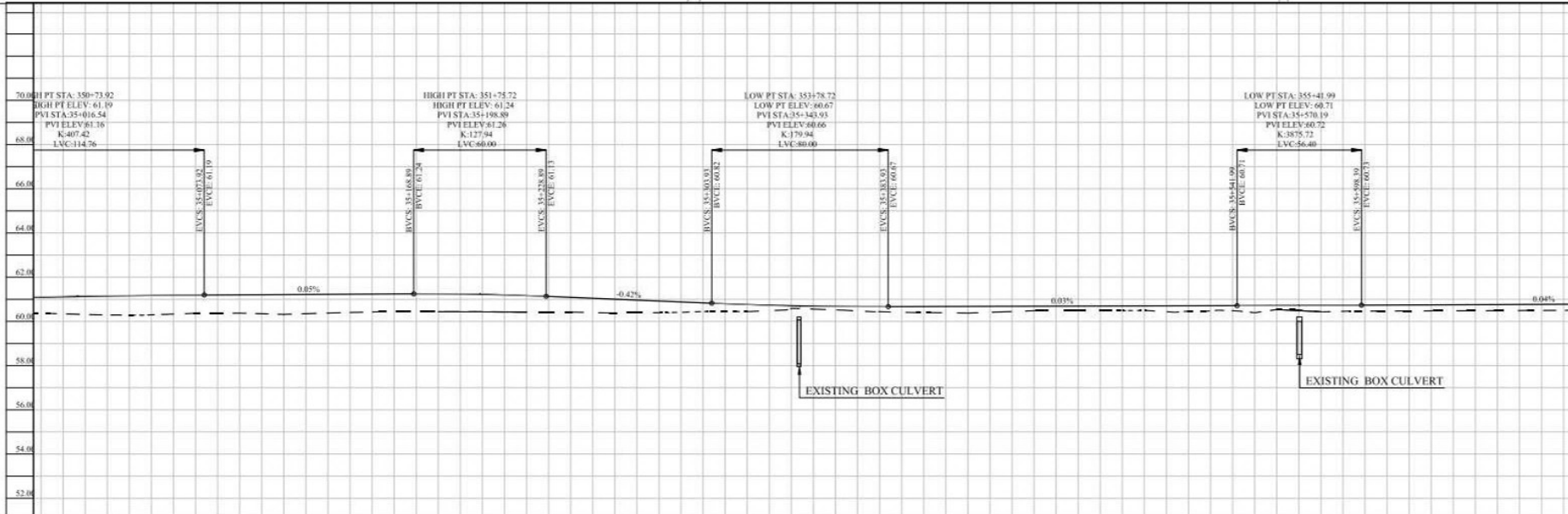
- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
 2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE	---
ROAD EDGE	---
SHOULDER EDGE	---
P.G.L.	---
E.G.L.	---
BUILDING	---
RIVER / CANAL	---
TREE	---
PROPOSED BOX CULVERT	---
EXISTING BOX CULVERT	---

ABBREVIATION

STA.	STATION
H.C.D.	HORIZONTAL CURVE DATA
V.C.D.	VERTICAL CURVE DATA
P.G.L.	PROPOSED GRADE LEVEL
E.G.L.	EXISTING GROUND LEVEL
L. DIFF.	LEVEL DIFFERENCE
BVCS.	BEGINNING OF VERTICAL CURVE STATION
EVCS.	END OF VERTICAL CURVE STATION
PVI	POINT OF VERTICAL INTERSECTION
ELEV.	ELEVATION
LVC.	LENGTH OF VERTICAL CURVE
K	(RATE OF VERTICAL CURVATURE)
R	RADIUS OF HORIZONTAL CURVE
W	WIDTH
H	HEIGHT



REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN 2025
02	REVISION ISSUE	

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

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KASIB CONSULTANTS
PVT. LTD.

DRAWING TITLE:

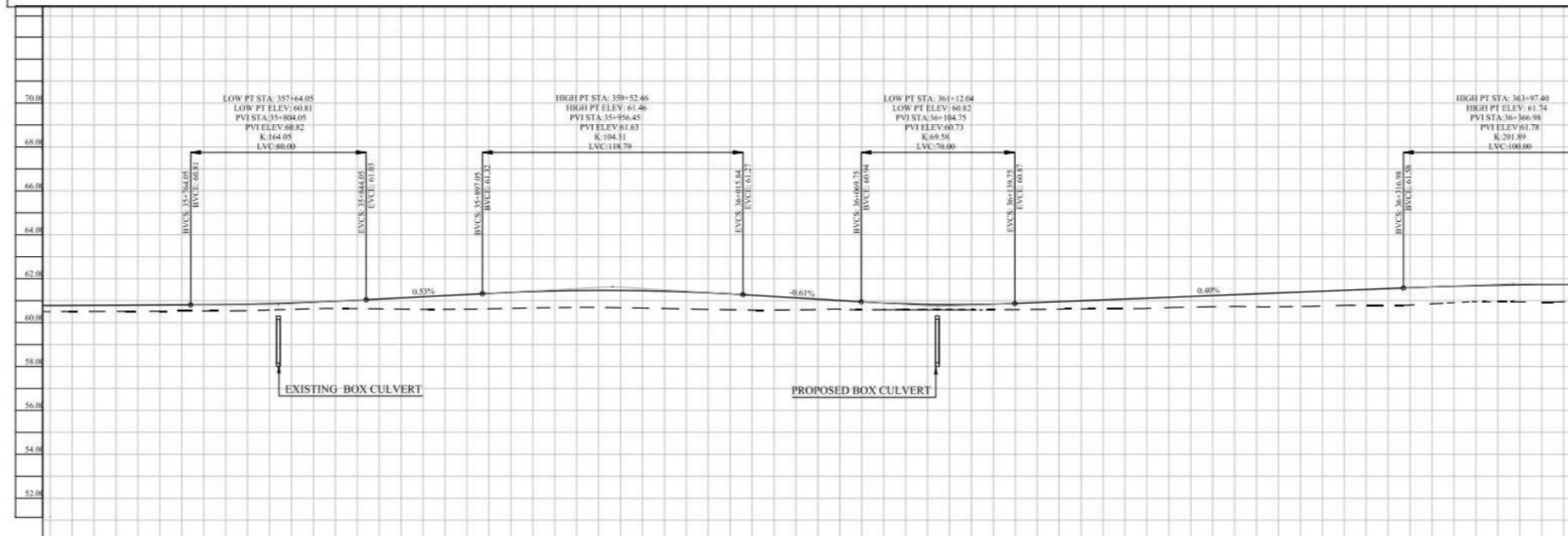
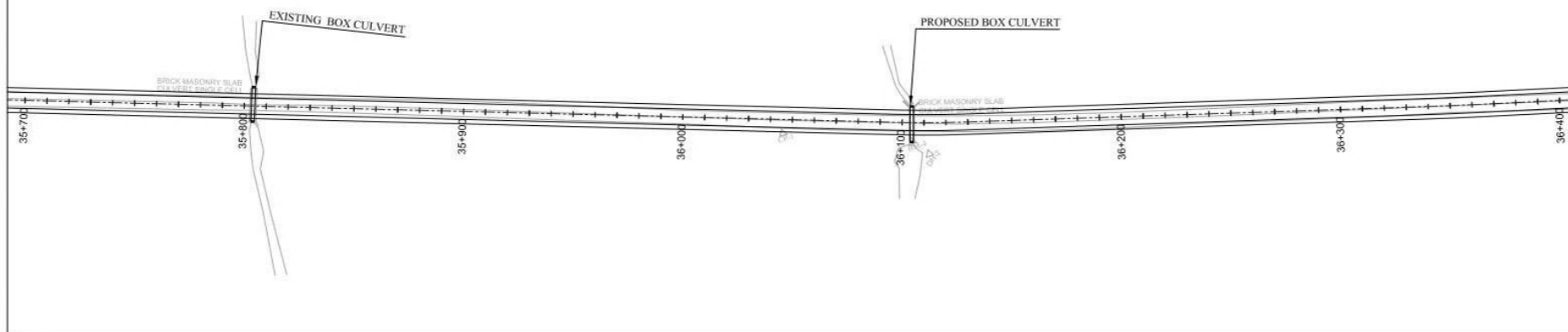
DERA ALLAHYAR TO
HAIRIDIN PLAN & PROFILE
AT KM 35+000 TO 35+700

DESIGN BY:	SUNILA	SHEET NO:	51 of 55
DRAWN BY:	AKHTAR	SCALE:	1:1000 H 1:1000 V
CHECKED BY:	KHURAM	DATE:	NOV, 2025
APPROVED BY:	RASHID	REVISION:	REV. 01

CAD FILE NAME:

ZUIFRAP/PP/51

STATION	L. DIFF.	E.G.L.	P.G.L.	V.C.D.	H.C.D.
35+000	0.728	60.357	61.083		
35+020	-0.816	60.311	61.127		
35+040	-0.875	60.285	61.159		
35+060	-0.854	60.327	61.182		
35+080	-0.831	60.364	61.195		
35+100	-0.862	60.344	61.205		
35+120	-0.869	60.347	61.216		
35+140	-0.824	60.802	61.227		
35+160	-0.803	60.434	61.237		
35+180	-0.808	60.435	61.243		
35+200	-0.793	60.438	61.221		
35+220	-0.747	60.421	61.167		
35+240	-0.669	60.418	61.087		
35+260	-0.625	60.379	61.004		
35+280	-0.531	60.390	60.921		
35+300	-0.396	60.442	60.838		
35+320	-0.319	60.443	60.762		
35+340	-0.131	60.577	60.708		
35+360	-0.159	60.517	60.676		
35+380	-0.231	60.436	60.666		
35+400	-0.276	60.395	60.672		
35+420	-0.301	60.377	60.677		
35+440	-0.236	60.447	60.683		
35+460	-0.206	60.463	60.689		
35+480	-0.213	60.482	60.695		
35+500	-0.218	60.491	60.701		
35+520	-0.251	60.456	60.706		
35+540	-0.233	60.479	60.712		
35+560	-0.184	60.534	60.718		
35+580	-0.291	60.435	60.726		
35+600	-0.270	60.464	60.734		
35+620	-0.272	60.471	60.742		
35+640	-0.274	60.478	60.751		
35+660	-0.275	60.483	60.760		
35+680	-0.276	60.492	60.769		
35+700	-0.278	60.500	60.777		



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
35+700	-0.278	60.500	60.777		
35+720	-0.279	60.507	60.786		
35+740	-0.280	60.514	60.795		
35+760	-0.282	60.522	60.803		
35+780	-0.291	60.529	60.820		
35+800	-0.287	60.573	60.860		
35+820	-0.300	60.625	60.925		
35+840	-0.384	60.630	61.014		
35+860	-0.508	60.612	61.120		
35+880	-0.623	60.603	61.226		
35+900	-0.708	60.623	61.332		
35+920	-0.750	60.663	61.413		
35+940	-0.765	60.691	61.456		
35+960	-0.786	60.674	61.461		
35+980	-0.789	60.639	61.427		
36+000	-0.757	60.599	61.355		
36+020	-0.681	60.565	61.246		
36+040	-0.550	60.574	61.124		
36+060	-0.396	60.607	61.003		
36+080	-0.305	60.583	60.889		
36+100	-0.227	60.599	60.825		
36+120	-0.239	60.580	60.820		
36+140	-0.285	60.587	60.871		
36+160	-0.341	60.610	60.951		
36+180	-0.408	60.623	61.031		
36+200	-0.468	60.642	61.110		
36+220	-0.488	60.702	61.190		
36+240	-0.534	60.735	61.270		
36+260	-0.634	60.715	61.349		
36+280	-0.675	60.754	61.429		
36+300	-0.723	60.786	61.509		
36+320	-0.788	60.800	61.588		
36+340	-0.751	60.803	61.665		
36+360	-0.759	60.943	61.702		
36+380	-0.794	60.934	61.729		
36+400	-0.758	60.978	61.736		

NOTES

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LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
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EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR
(RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

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3rd Floor, Ansa Square Plaza,
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Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

DRAWING TITLE :

DERA ALLAHYAR TO
HAIRIDN PLAN & PROFILE
AT KM 35+700 TO 36+400

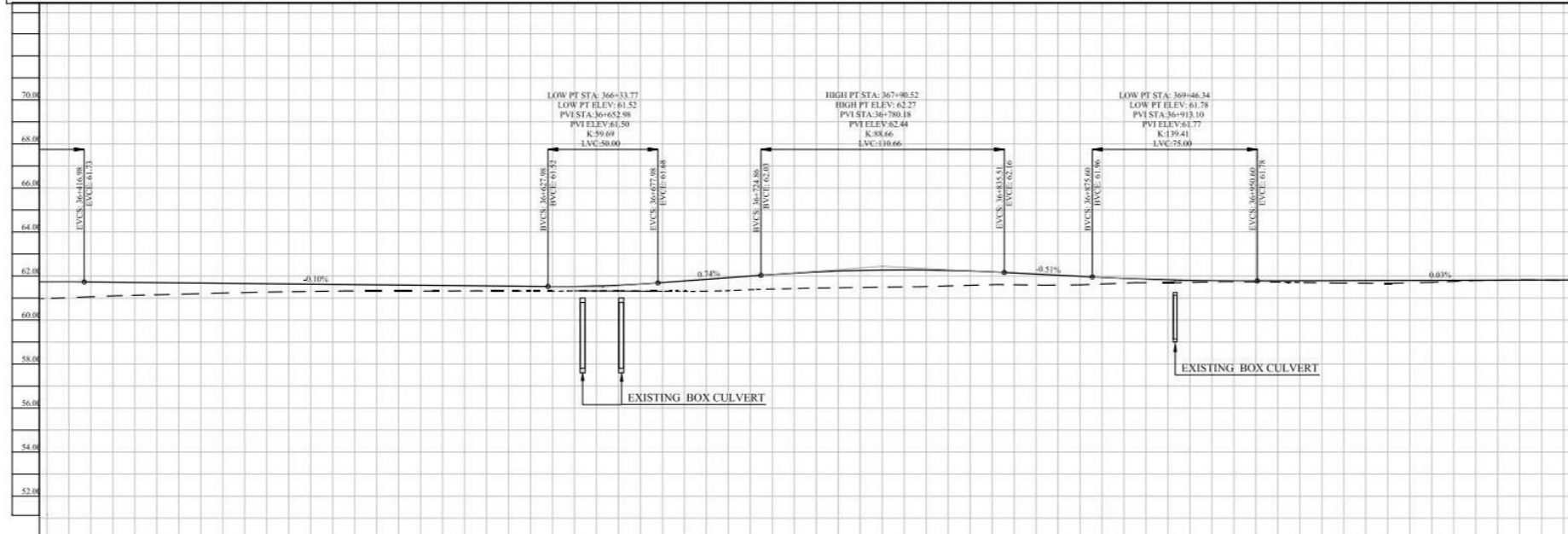
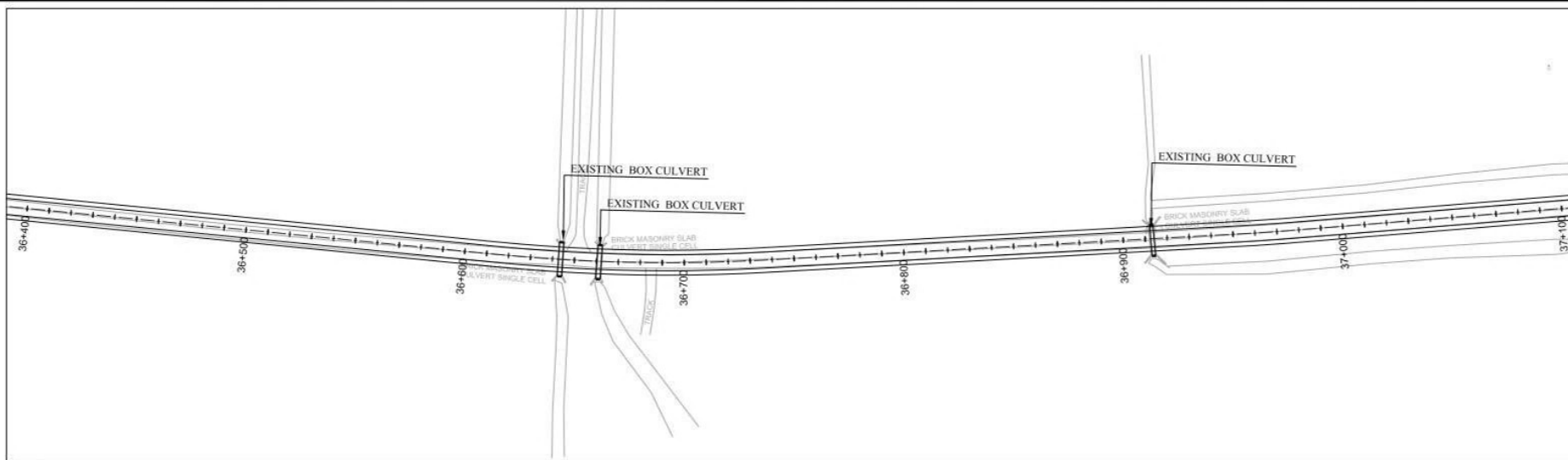
DESIGN BY : SUNILA
SHEET NO. : 53 of 55

DRAWN BY : AKHTAR
SCALE : 1 : 1000 H
1 : 1000 V

CHECKED BY : KHURAM
DATE : NOV, 2025

APPROVED BY : RASHID
REVISION : REV. 01

CAD FILE NAME :
Z/IFRAP/PP/52



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
36+400	-0.758	60.978	61.736		
36+420	-0.678	61.054	61.732		
36+440	-0.585	61.120	61.705		
36+460	-0.516	61.169	61.685		
36+480	-0.446	61.229	61.666		
36+500	-0.382	61.264	61.646		
36+520	-0.333	61.284	61.627		
36+540	-0.298	61.314	61.608		
36+560	-0.278	61.310	61.588		
36+580	-0.254	61.315	61.569		
36+600	-0.227	61.323	61.550		
36+620	-0.214	61.316	61.530		
36+640	-0.198	61.324	61.523		
36+660	-0.247	61.330	61.577		
36+680	-0.300	61.308	61.608		
36+700	-0.535	61.311	61.846		
36+720	-0.620	61.275	61.995		
36+740	-0.701	61.428	62.130		
36+760	-0.759	61.463	62.221		
36+780	-0.778	61.489	62.267		
36+800	-0.749	61.519	62.269		
36+820	-0.650	61.574	62.225		
36+840	-0.538	61.598	62.137		
36+860	-0.448	61.587	62.035		
36+880	-0.302	61.633	61.935		
36+900	-0.163	61.690	61.854		
36+920	-0.096	61.706	61.802		
36+940	-0.038	61.740	61.778		
36+960	0.004	61.717	61.780		
36+980	0.101	61.685	61.786		
37+000	0.125	61.668	61.792		
37+020	0.116	61.682	61.799		
37+040	0.054	61.750	61.805		
37+060	0.005	61.800	61.811		
37+080	0.005	61.812	61.817		
37+100	0.032	61.791	61.823		

NOTES

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- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H.F.

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
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EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN-2025

CLIENT

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT

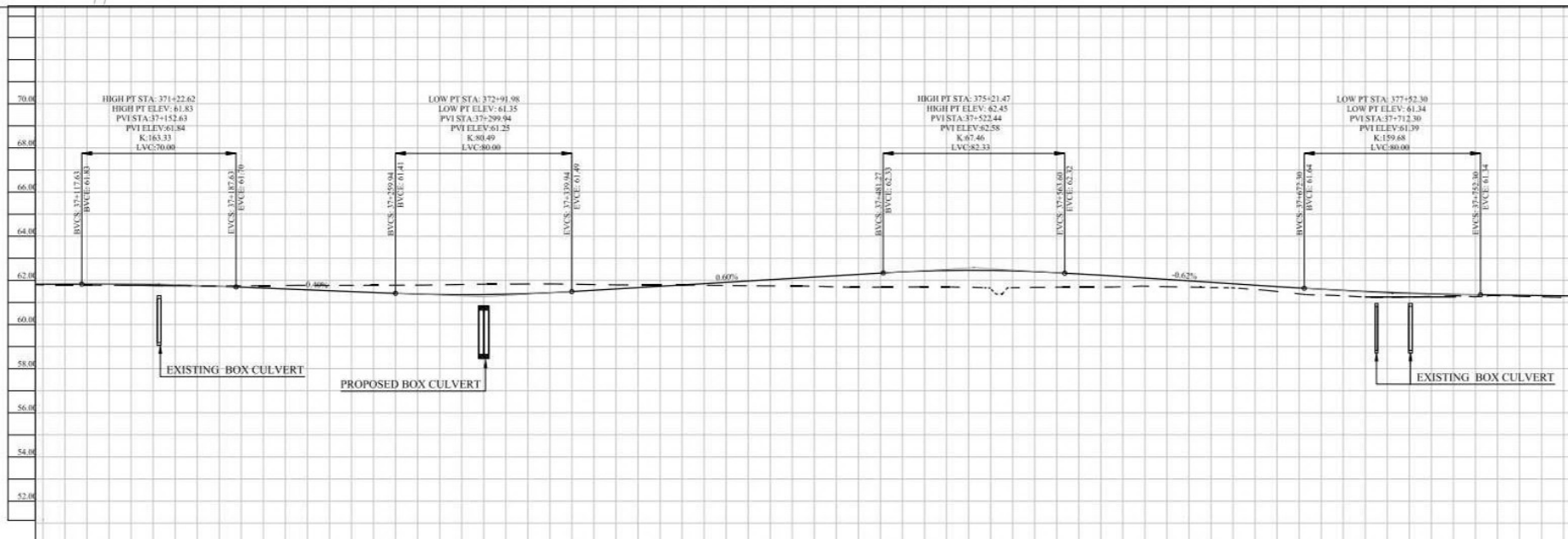
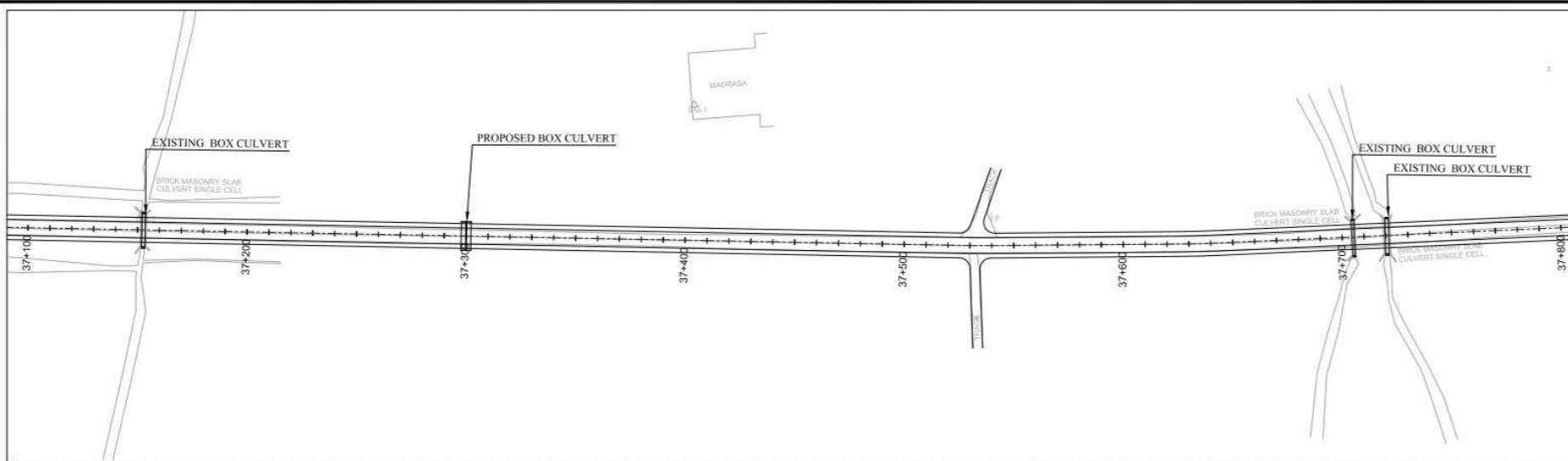
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD.

DRAWING TITLE

DERA ALLAHYAR TO
HAIRDIN PLAN & PROFILE
AT KM 36+400 TO 37+100

DESIGN BY: SUNILA
SHEET NO: 53 of 55
DRAWN BY: AKHTAR
SCALE: 1:1000 H
1:1000 V
CHECKED BY: KHURAM
DATE: NOV, 2025
APPROVED BY: RASHID
REVISION: REV. 01

CAD FILE NAME:
37+100 - 0.032



STATION	L. DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
37+00	-0.032	61.791	61.823		
37+120	-0.046	61.783	61.829		
37+140	-0.050	61.769	61.820		
37+160	-0.032	61.755	61.786		
37+180	-0.011	61.740	61.728		
37+200	-0.108	61.729	61.651		
37+220	-0.199	61.770	61.571		
37+240	-0.282	61.773	61.491		
37+260	-0.365	61.777	61.412		
37+280	-0.435	61.793	61.357		
37+300	-0.475	61.827	61.352		
37+320	-0.435	61.832	61.397		
37+340	-0.330	61.822	61.491		
37+360	-0.180	61.790	61.611		
37+380	-0.058	61.787	61.730		
37+400	-0.073	61.776	61.849		
37+420	-0.214	61.754	61.988		
37+440	-0.344	61.744	62.087		
37+460	-0.505	61.701	62.207		
37+480	-0.635	61.690	62.226		
37+500	-0.720	61.699	62.419		
37+520	-0.773	61.680	62.553		
37+540	-0.764	61.664	62.628		
37+560	-0.657	61.686	62.743		
37+580	-0.527	61.692	62.719		
37+600	-0.363	61.732	62.694		
37+620	-0.277	61.692	61.569		
37+640	-0.190	61.655	61.344		
37+660	-0.226	61.493	61.720		
37+680	-0.265	61.332	61.597		
37+700	-0.259	61.244	61.594		
37+720	-0.167	61.249	61.416		
37+740	-0.061	61.302	61.364		
37+760	-0.031	61.303	61.314		
37+780	-0.050	61.251	61.309		
37+800	-0.077	61.206	61.285		

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- AL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND

CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
EXISTING BOX CULVERT

ABBREVIATION

STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
L. DIFF. LEVEL DIFFERENCE
BVCS. BEGINNING OF VERTICAL CURVE STATION
BVCE. BEGINNING OF VERTICAL CURVE ELEVATION
EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. FACTOR (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REVISION

REV.	DESCRIPTION	DATE
01	DRAWING UPDATED	JAN/20
02	REVISION ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :

Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Arya Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

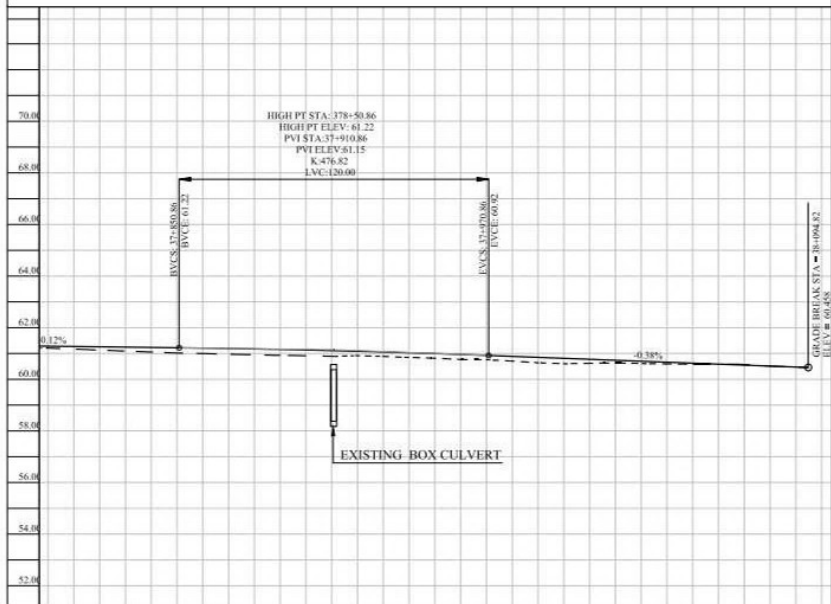
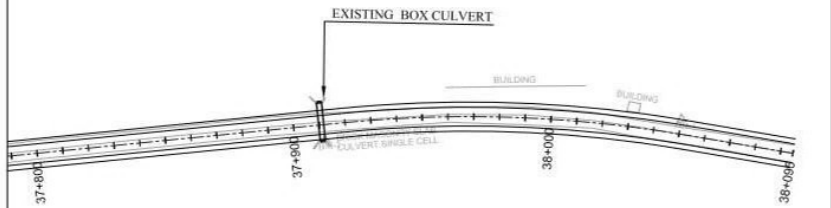
DRAWING TITLE :

DERA ALLAHYAR TO HAIRIDIN PLAN & PROFILE
AT KM 37+100 TO 37+800

DESIGN BY : SUNILA
DRAWN BY : AKHTAR
CHECKED BY : KHURAM
APPROVED BY : RASHID

SHEET NO. : 54 of 55
SCALE : 1 : 1000 H
1 : 1000 V
DATE : NOV, 2025
REVISION : REV. 01

CAD FILE NAME :
ZUIFRAP/PP/54



STATION	L DIFF	E.G.L.	P.G.L.	V.C.D.	H.C.D.
37+800	-0.077	61.235	61.235	38.56	0.12%
37+820	-0.127	61.133	61.260		
37+840	-0.180	61.055	61.235		
37+860	-0.215	60.995	61.210		
37+880	-0.229	60.948	61.177		
37+900	-0.225	60.911	61.136		
37+920	-0.175	60.911	61.087		
37+940	-0.131	60.848	61.029		
37+960	-0.108	60.765	60.962		
37+980	-0.134	60.726	60.889		
38+000	-0.209	60.605	60.814		
38+020	-0.110	60.628	60.739		
38+040	-0.065	60.599	60.664		
38+060	-0.011	60.578	60.589		
38+080	-0.001	60.513	60.514		
38+100					

NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL CONNECTING LINKS SHALL BE RESTORED TO MATCH WITH THE MAIN ROAD THROUGH RAMP, AS PER LINK ROAD PAVEMENT STRUCTURE. THE COST OF THESE CONNECTING RAMP SHALL BE DEEMED TO BE INCLUDED IN THE RATES OF OTHER BOQ ITEMS.

LEGEND
CENTER LINE
ROAD EDGE
SHOULDER EDGE
P.G.L.
E.G.L.
BUILDING
RIVER / CANAL
TREE
PROPOSED BOX CULVERT
H/F

ABBREVIATION
STA. STATION
H.C.D. HORIZONTAL CURVE DATA
V.C.D. VERTICAL CURVE DATA
P.G.L. PROPOSED GRADE LEVEL
E.G.L. EXISTING GROUND LEVEL
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EVCS. END OF VERTICAL CURVE STATION
EVCE. END OF VERTICAL CURVE ELEVATION
PVI. POINT OF VERTICAL INTERSECTION
ELEV. ELEVATION
LVC. LENGTH OF VERTICAL CURVE
K. K-FACTOR
R. (RATE OF VERTICAL CURVATURE)
L. LENGTH OF HORIZONTAL CURVE
R. RADIUS OF HORIZONTAL CURVE
W. WIDTH
H. HEIGHT

REV. DRAWING UPDATED JAN 2024
REV. REVISION ISSUE DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and Adaptation Project (IFRAP)
Component 1

PROJECT :
Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

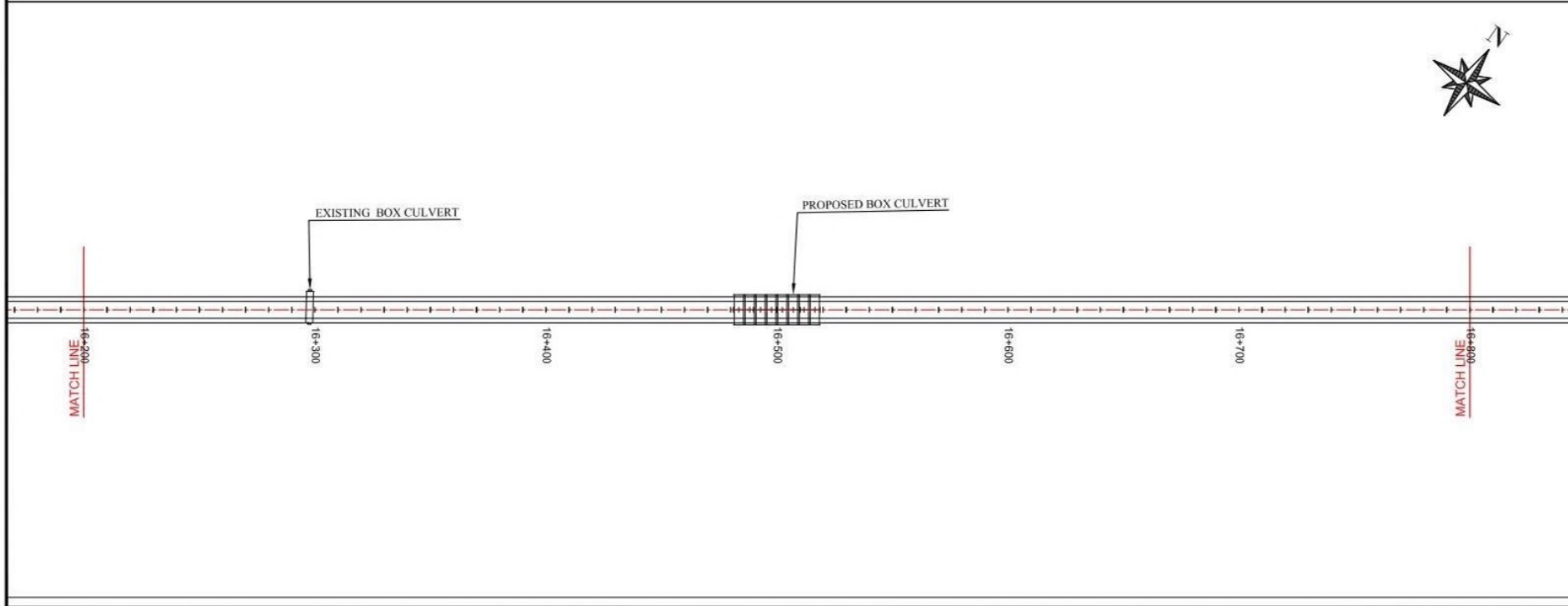
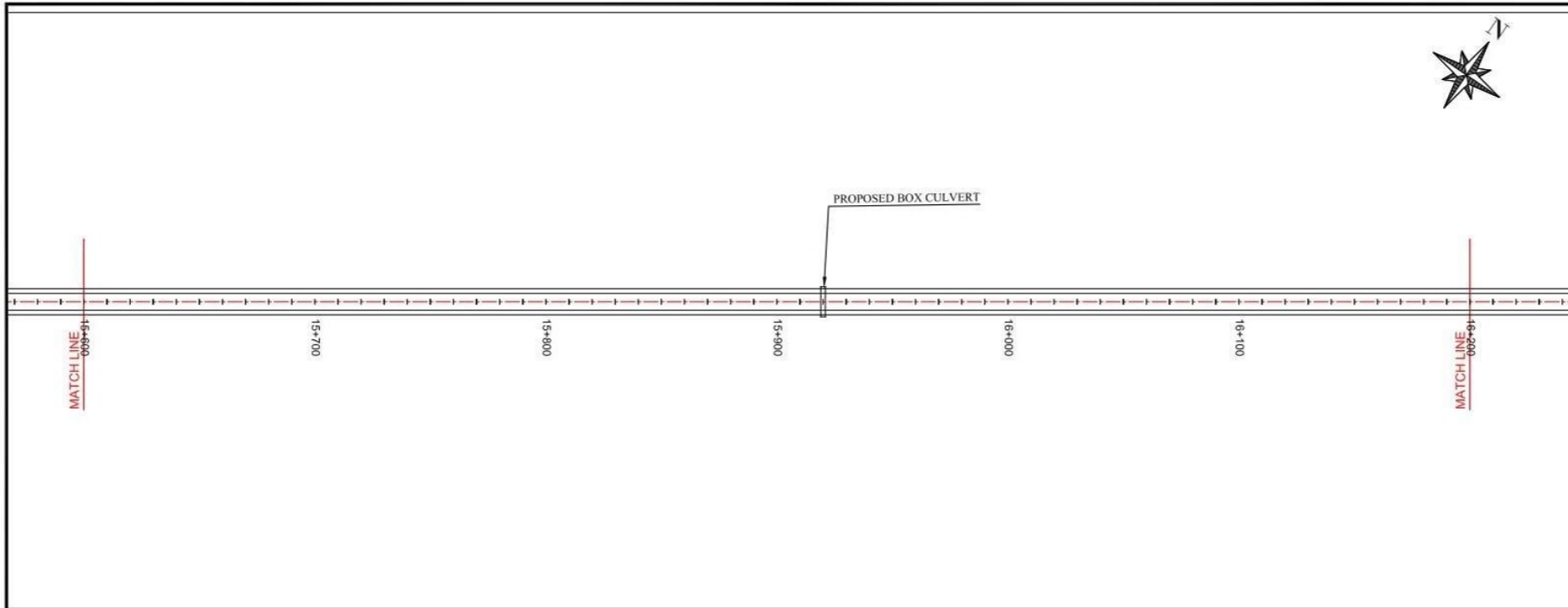
DRAWING TITLE :
DERA ALLAHYAR TO HAIRDIN PLAN & PROFILE
AT KM 37+800 TO 38+095

DESIGN BY : SHEET NO :
SUNILA 55 of 55
DRAWN BY : SCALE :
AKHTAR 1 : 1000 H
1 : 1000 V
CHECKED BY : DATE :
KHURAM NOV. 2025
APPROVED BY : REVISION :
RASHID REV. 01

CAD FILE NAME :
ZU/IFRAP/PP/55

DERA ALLAHYAR TO HAIRDIN (38 KM)

TRAFFIC SIGNAGE PLAN



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

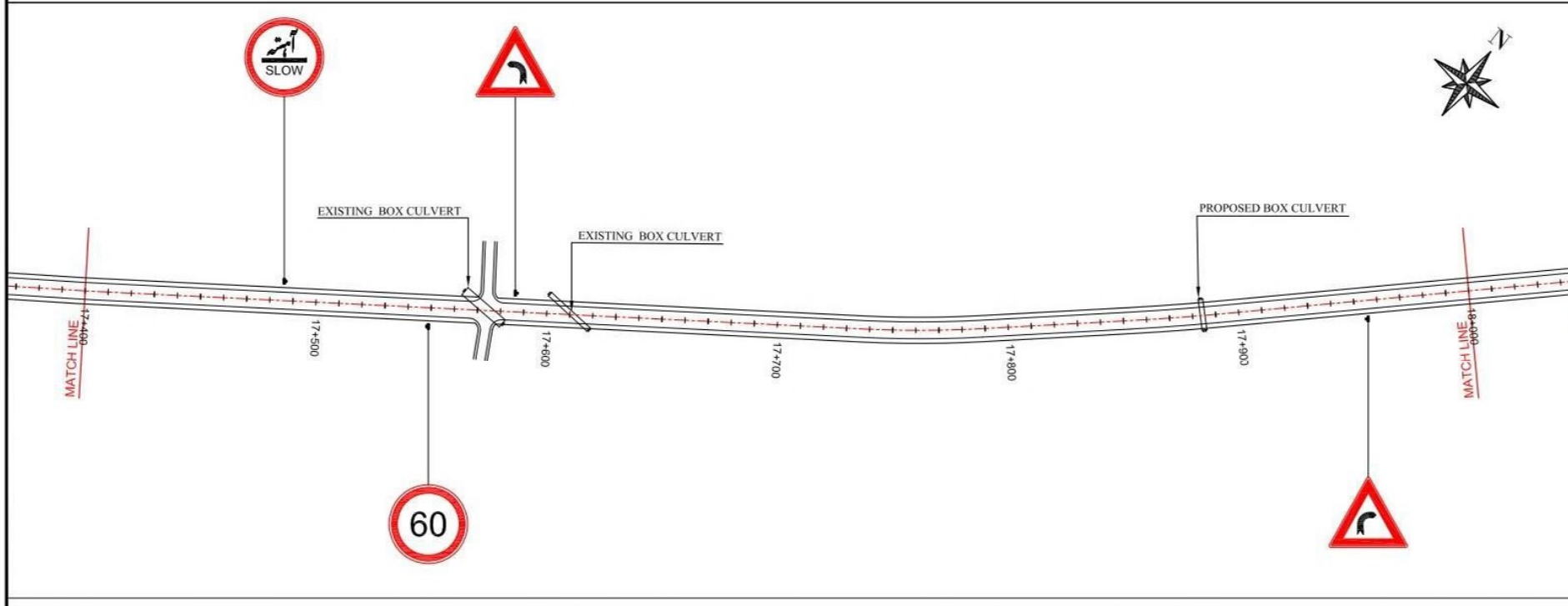
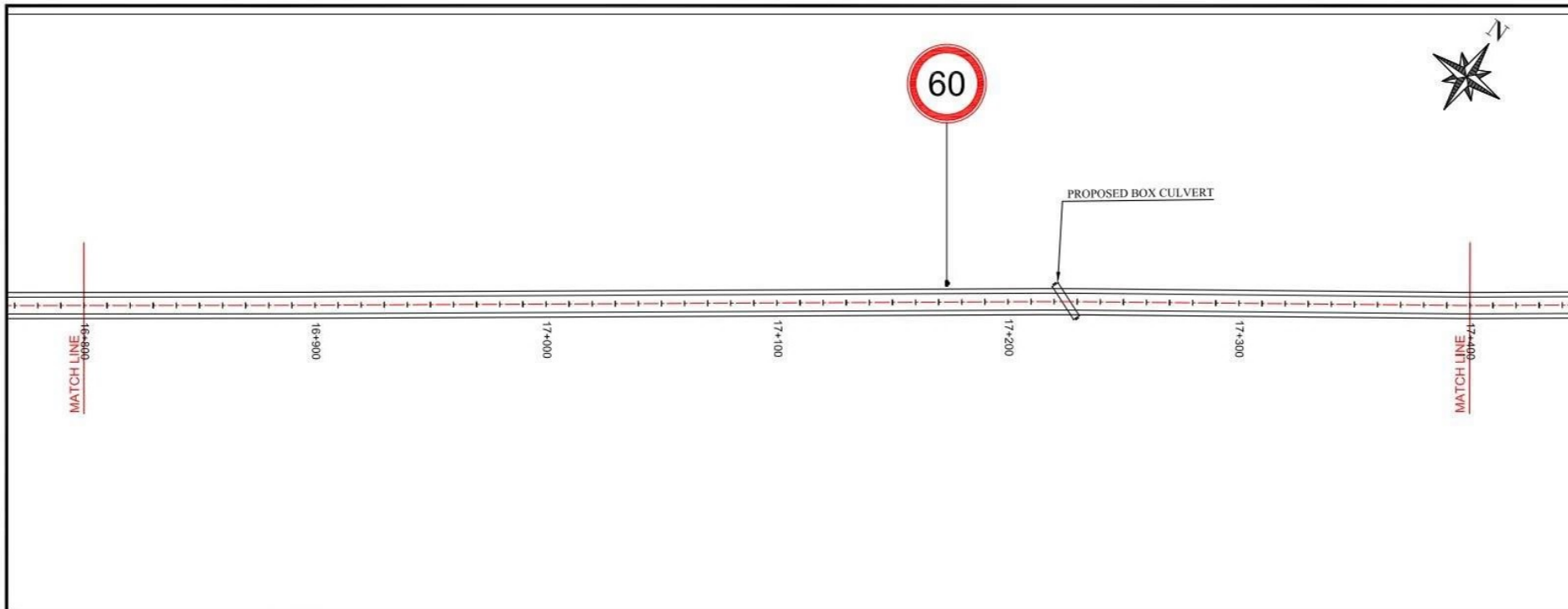
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anna Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

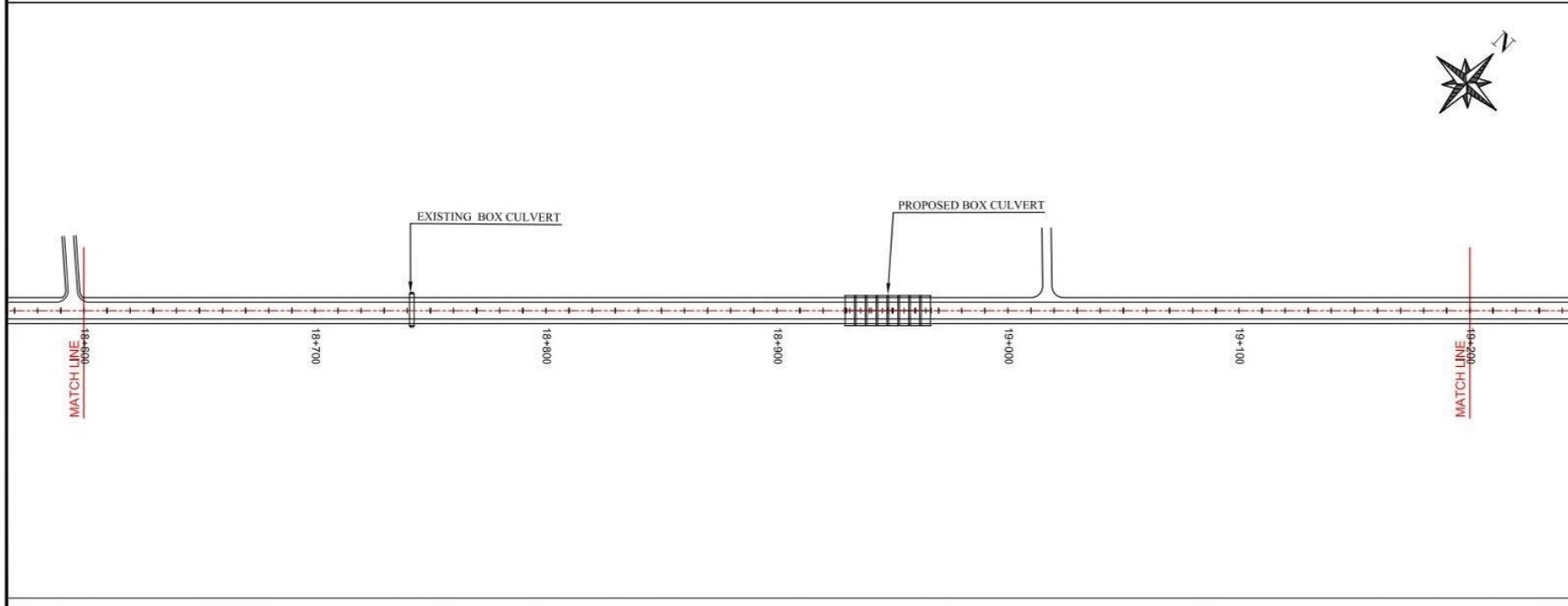
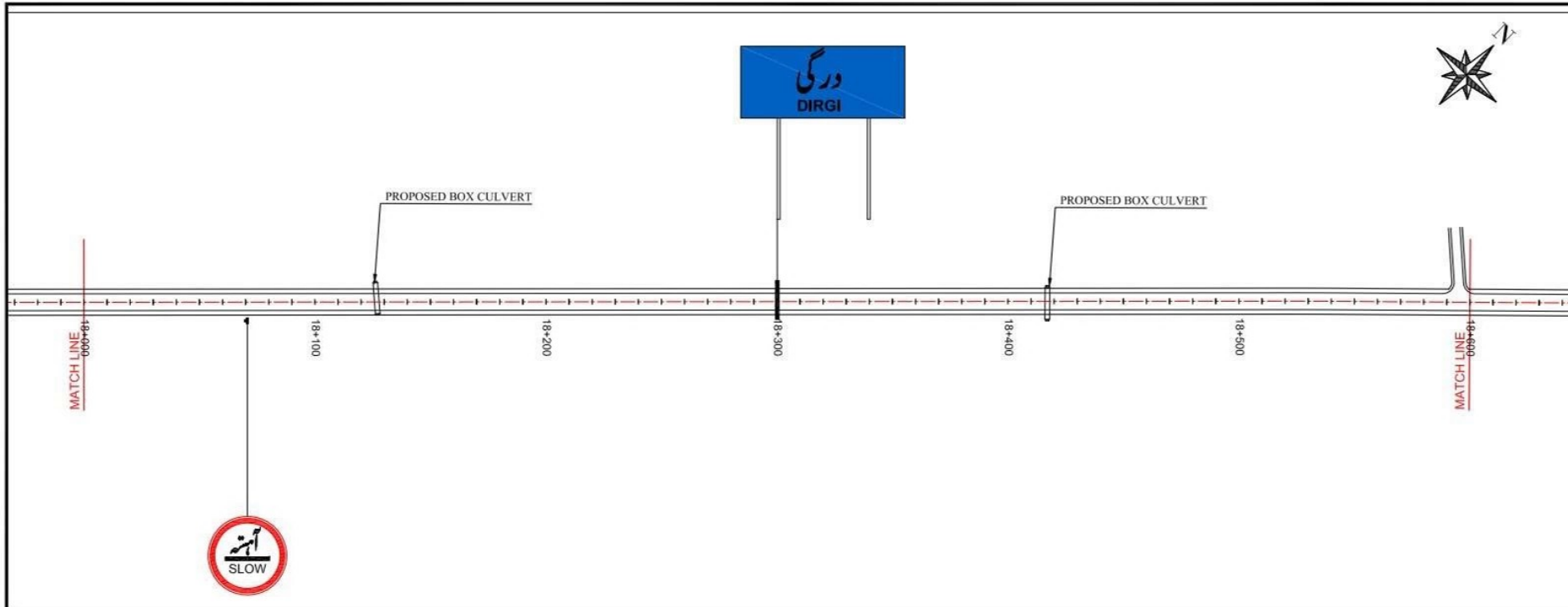
DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 15+600 TO 16+800

DESIGN BY: SUNILA	SHEET NO: 14 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/TSP/14



NOTES 1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.														
LEGEND														
ABBREVIATION														
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REV	REVISION/ISSUE	DATE												
CLIENT :  Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I														
PROJECT:  Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)														
LEAD CONSULTANT:  ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 011-2224215-16, FAX: 011-2224217 KASIB CONSULTANTS PVT. LTD.														
DRAWING TITLE: TRAFFIC SIGNAGE PLAN AT KM 16+800 TO 18+000														
DESIGN BY: SUNILA	SHEET NO: 15 of 32													
DRAWN BY: AKHTAR	SCALE: N.T.S													
CHECKED BY: KHURAM	DATE: NOV, 2025													
APPROVED BY: RASHID	REVISION: REV. 00													
CAD FILE NAME: ZU/IFRAP/TSP/15														



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

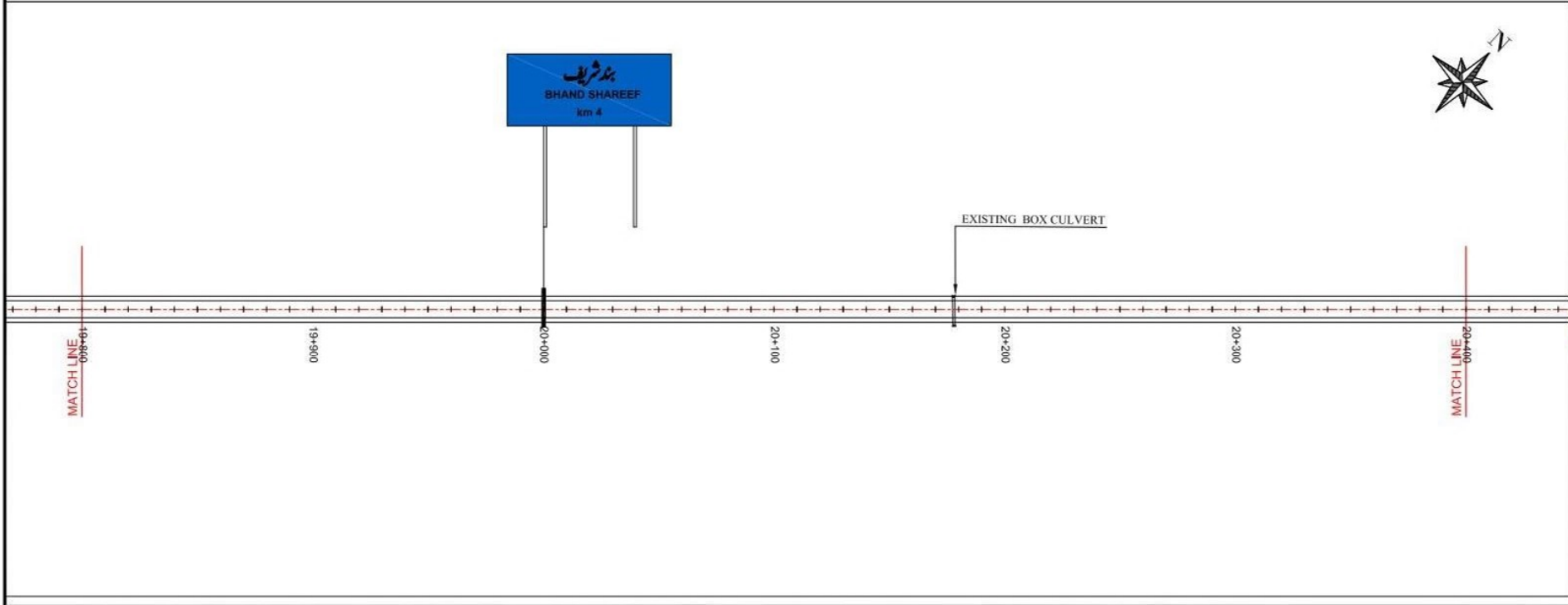
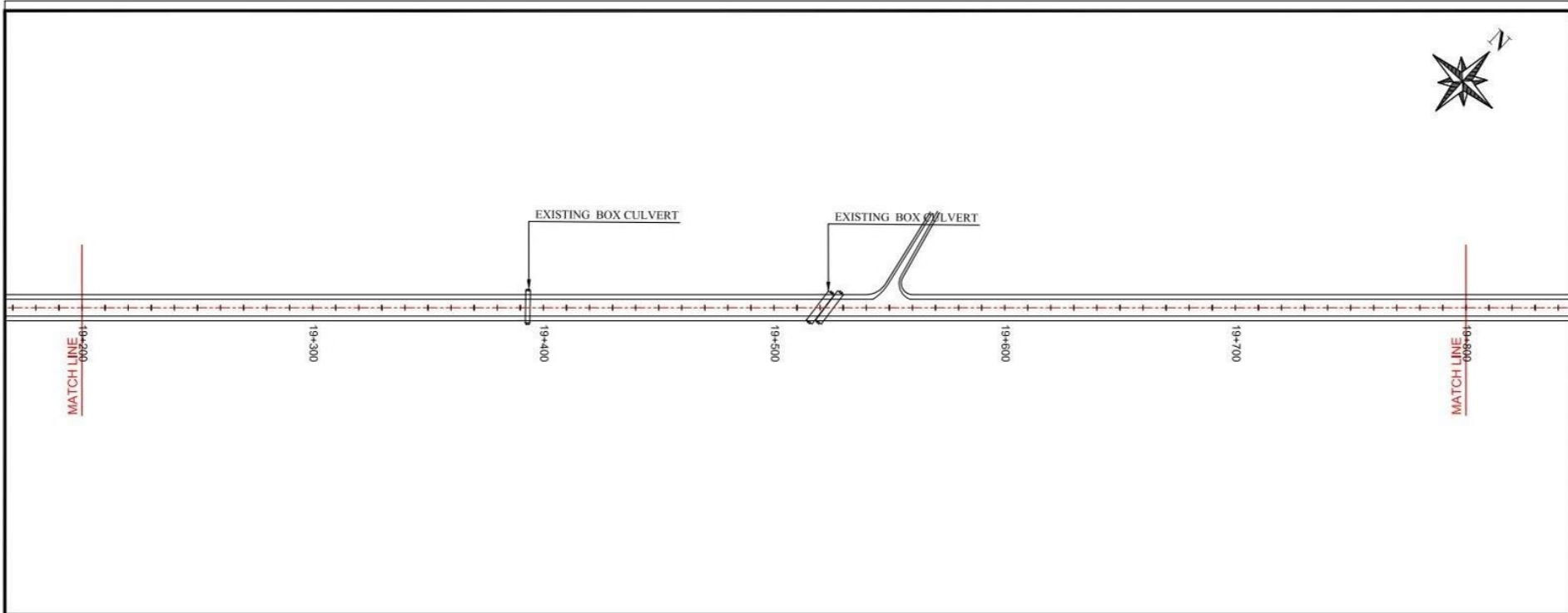
LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 18+000 TO 19+200

DESIGN BY: SUNILA	SHEET NO: 16 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/TSP/16



NOTES

1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV.	REVISION/ISSUE	DATE

CLIENT:

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Aura Square Plaza,
7-11 Markazi, Islamabad
Ph: 051-2224215, 16, FAX: 051-2224217
 KASIB CONSULTANTS
PVT. LTD

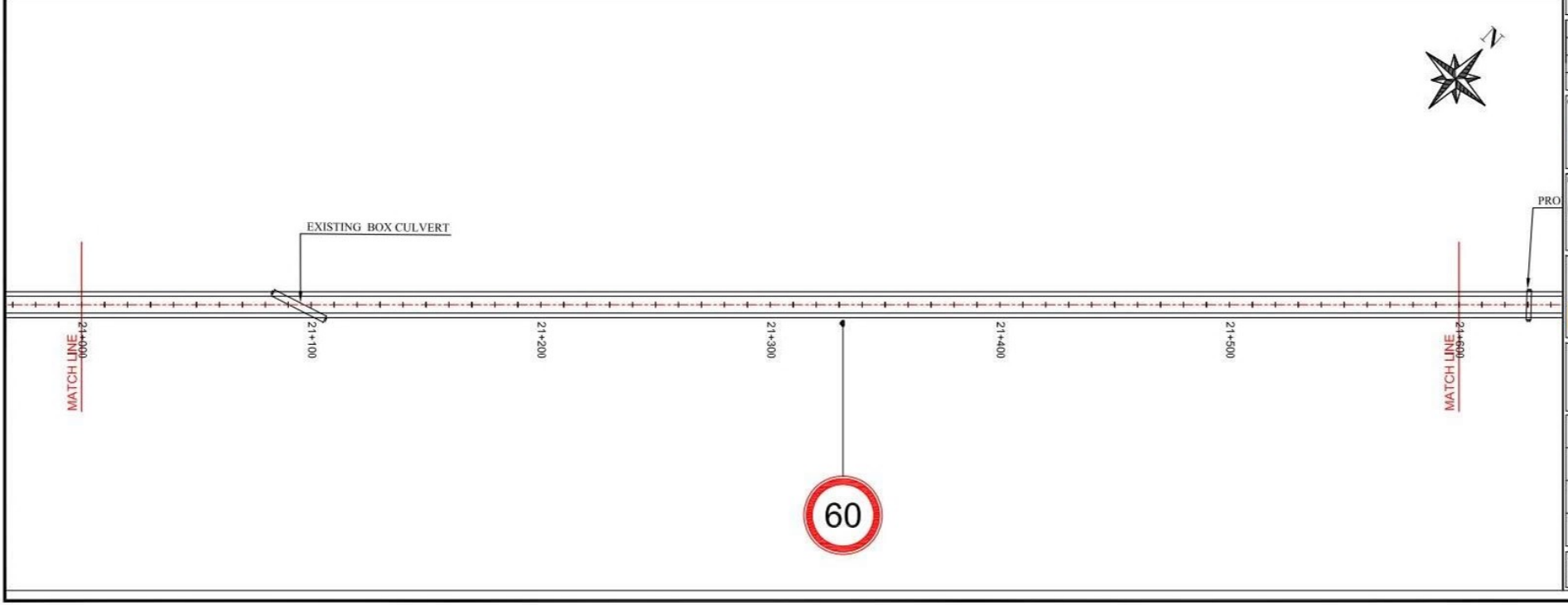
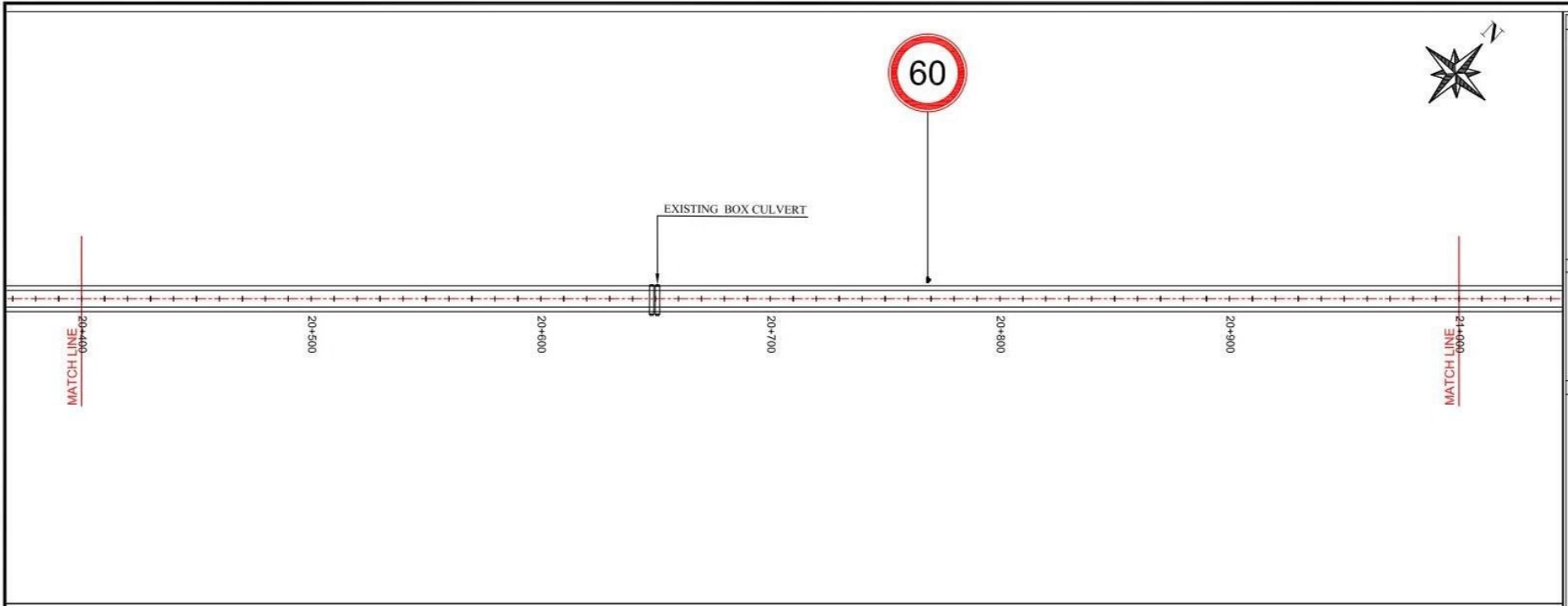
DRAWING TITLE:

TRAFFIC SIGNAGE PLAN
AT KM 19+200 TO 20+400

DESIGN BY:	SHEET NO:
SUNILA	17 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV. 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZI/IFRAP/TSP/17



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

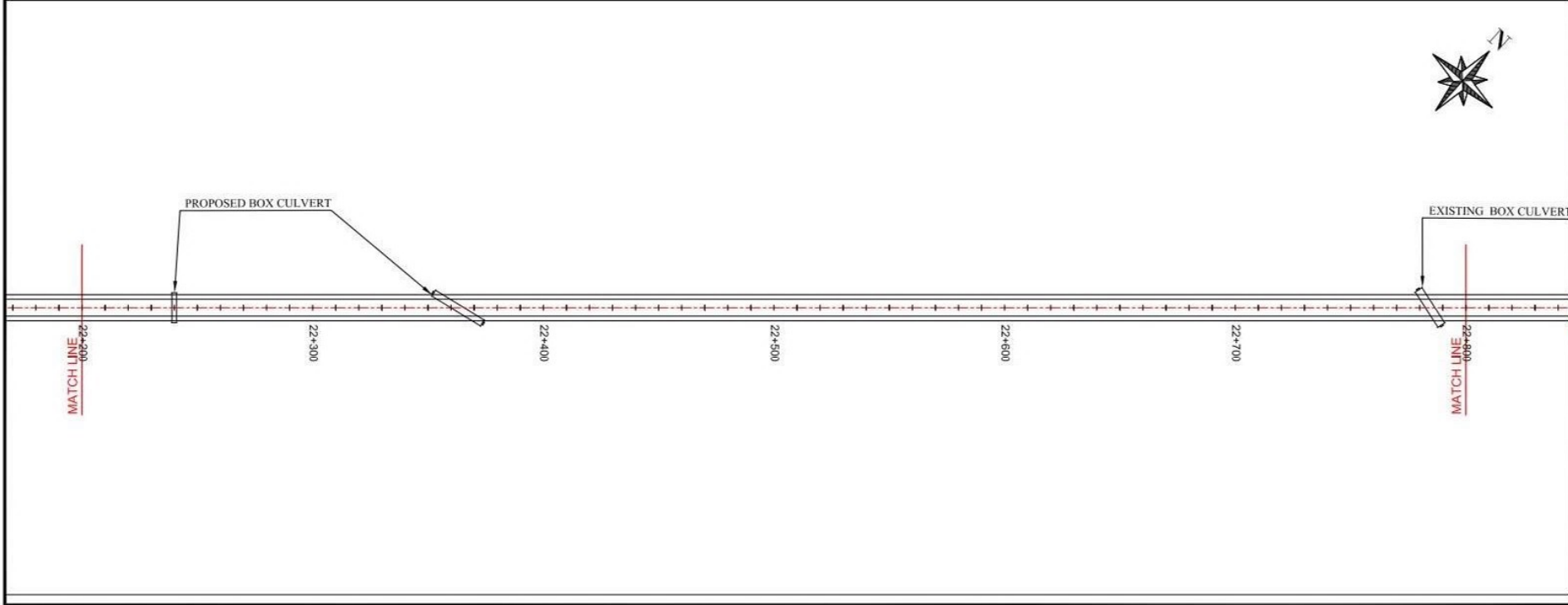
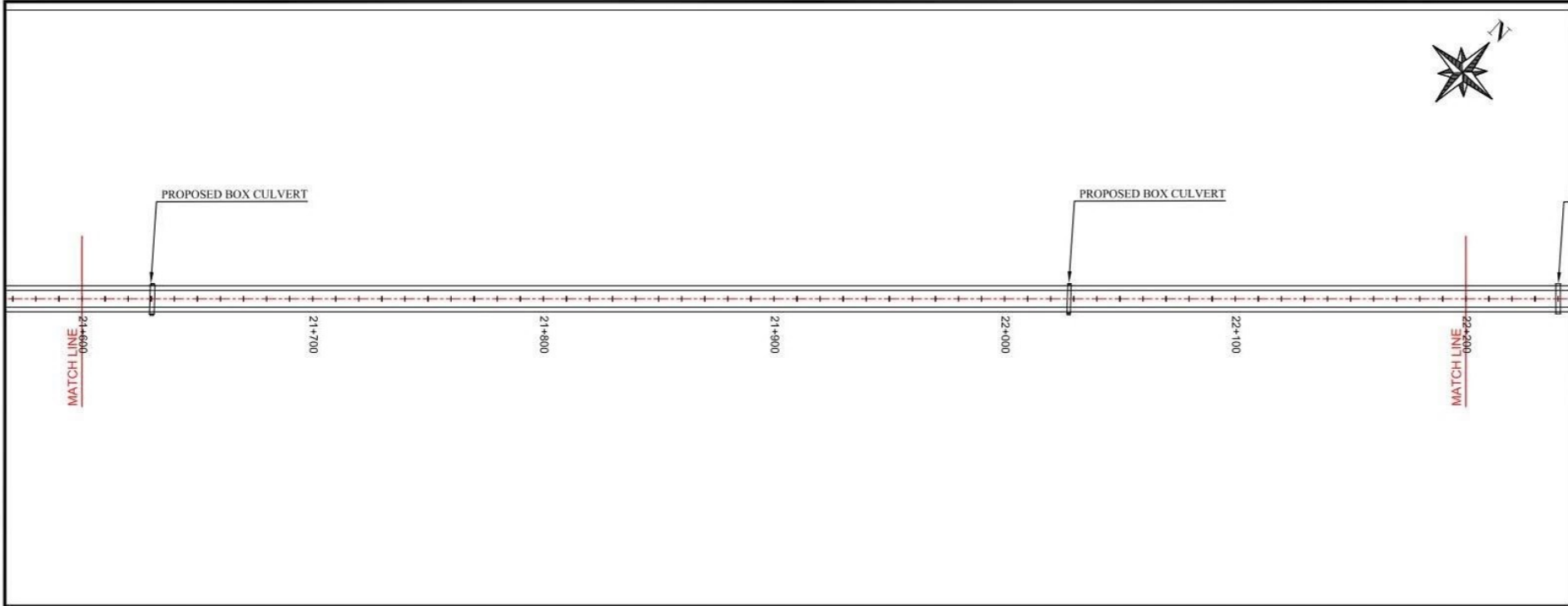
LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 20+400 TO 21+600

DESIGN BY: SUNILA	SHEET NO: 18 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/TSP/18



NOTES

1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

 Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:

 Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

 ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

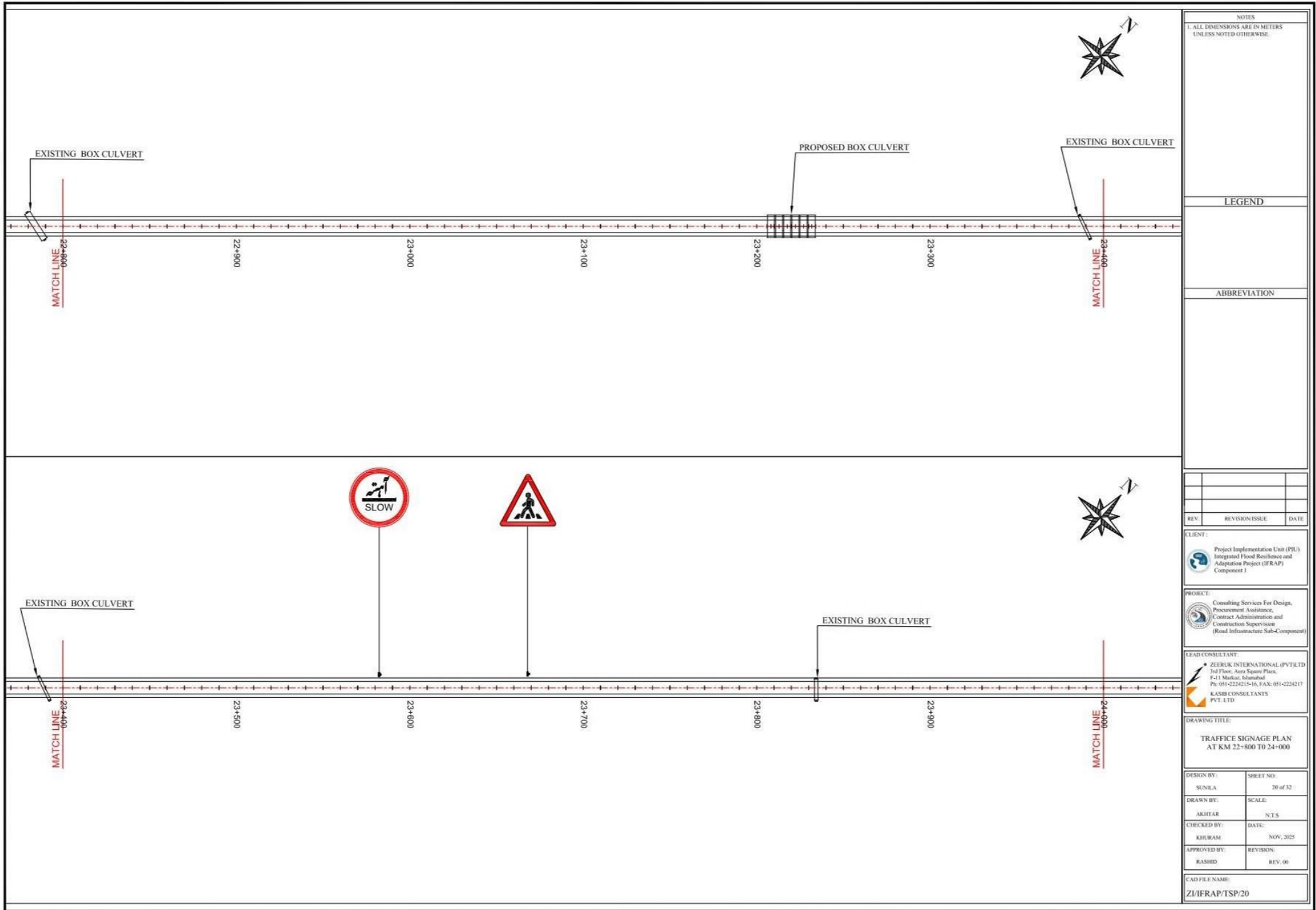
DRAWING TITLE:

TRAFFIC SIGNAGE PLAN
AT KM 21+600 TO 22+800

DESIGN BY:	SUNILA	SHEET NO:	19 of 32
DRAWN BY:	AKHTAR	SCALE:	N.T.S
CHECKED BY:	KHURAM	DATE:	NOV, 2025
APPROVED BY:	RASHID	REVISION:	REV. 00

CAD FILE NAME:

ZU/IFRAP/TSP/19



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

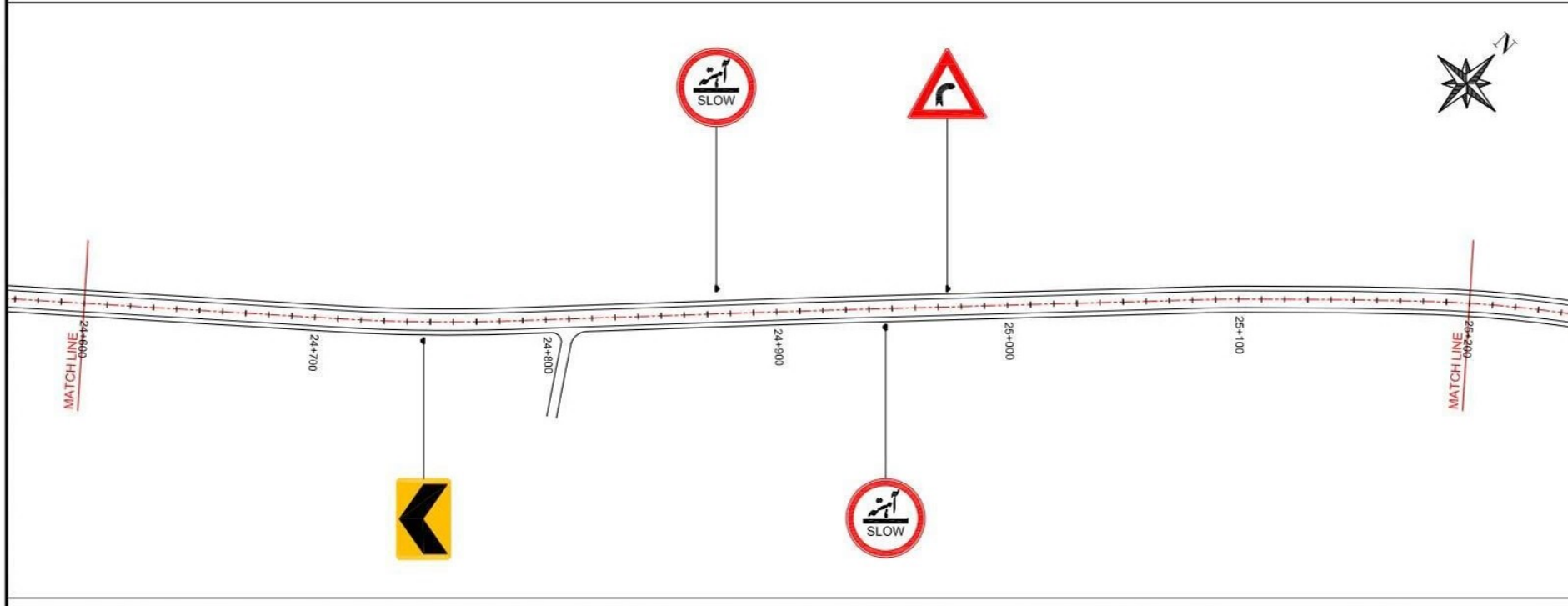
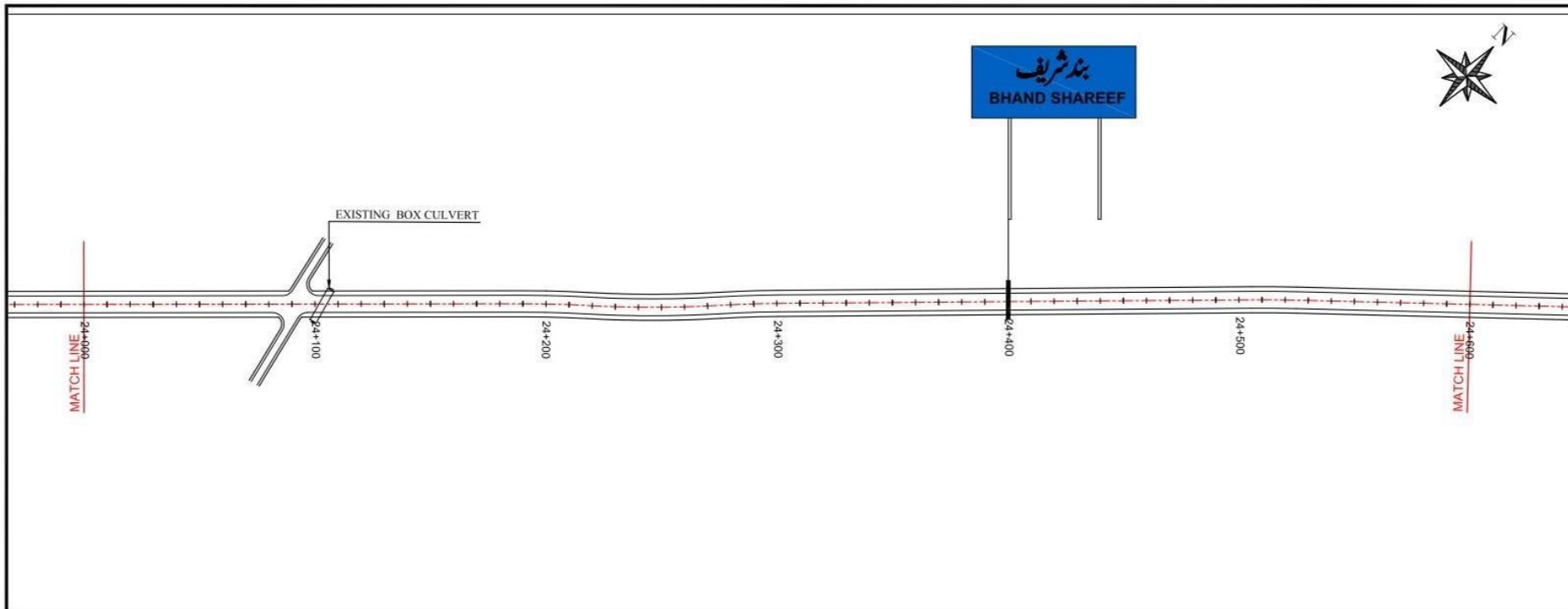
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Anara Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

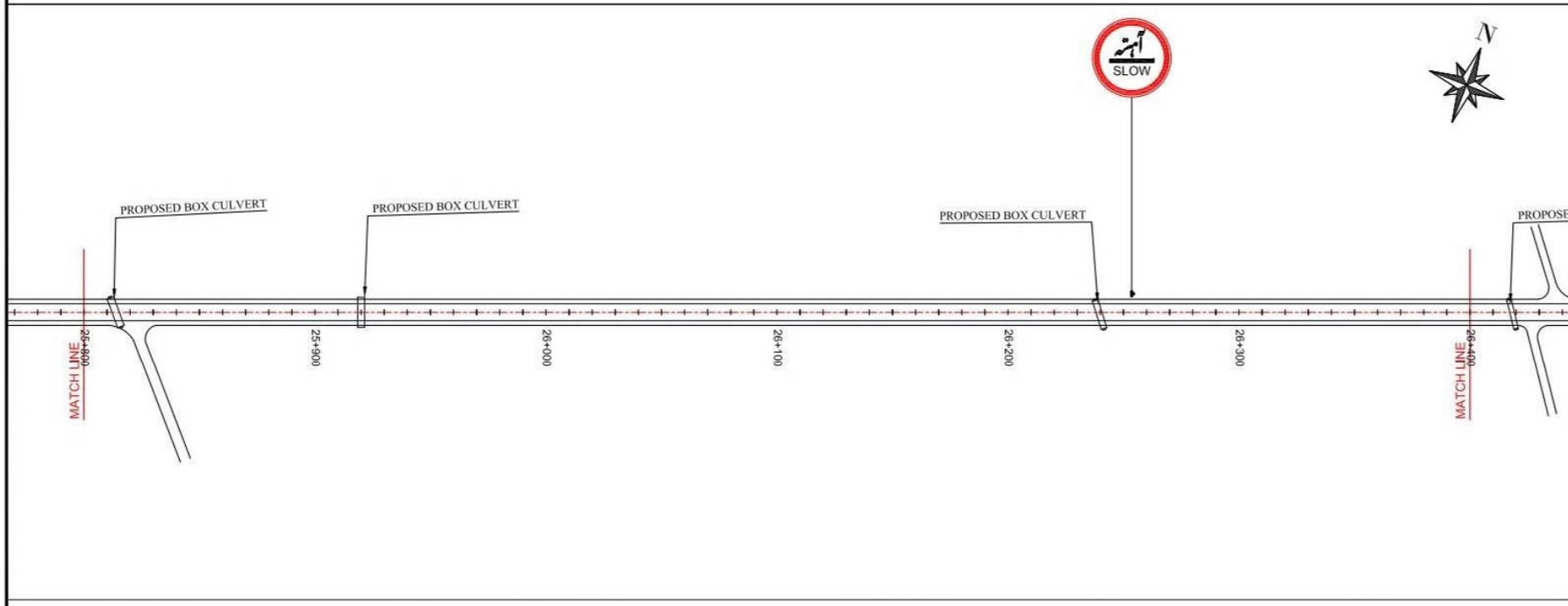
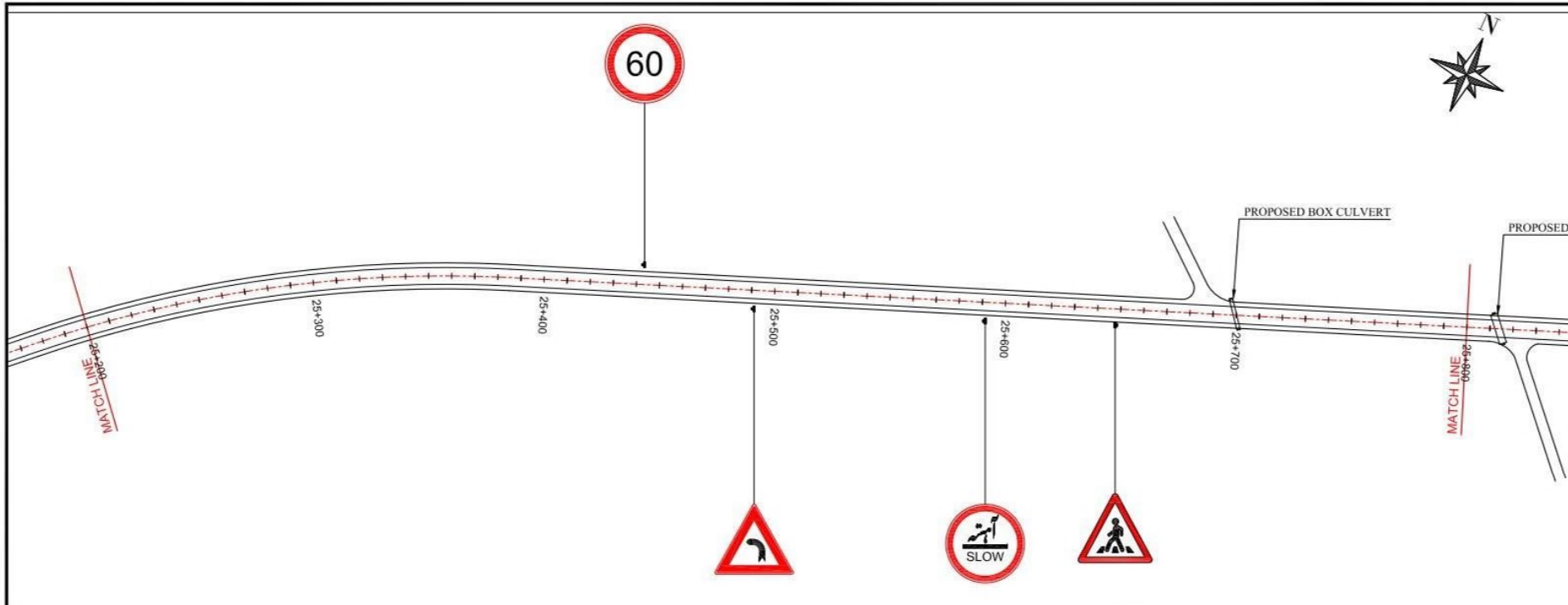
DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 22+800 TO 24+000

DESIGN BY: SUNILA	SHEET NO: 20 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/TSP/20



NOTES 1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.		
LEGEND		
ABBREVIATION		



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

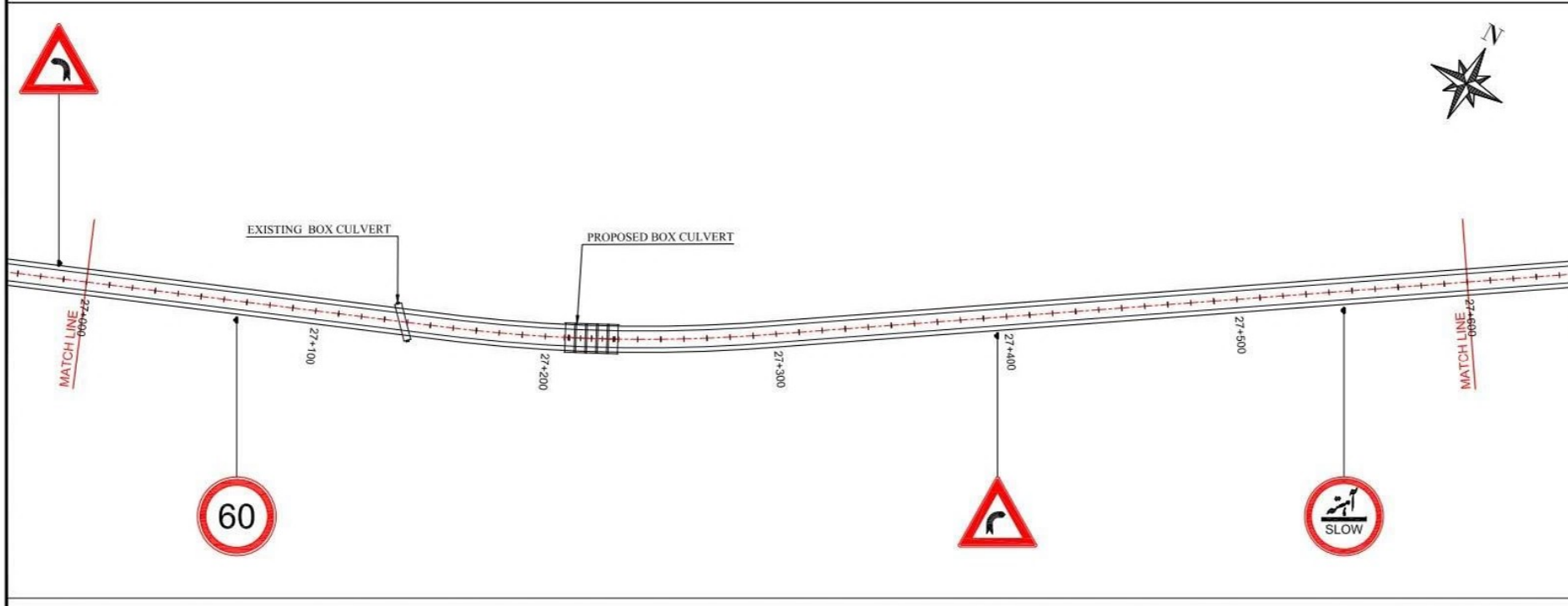
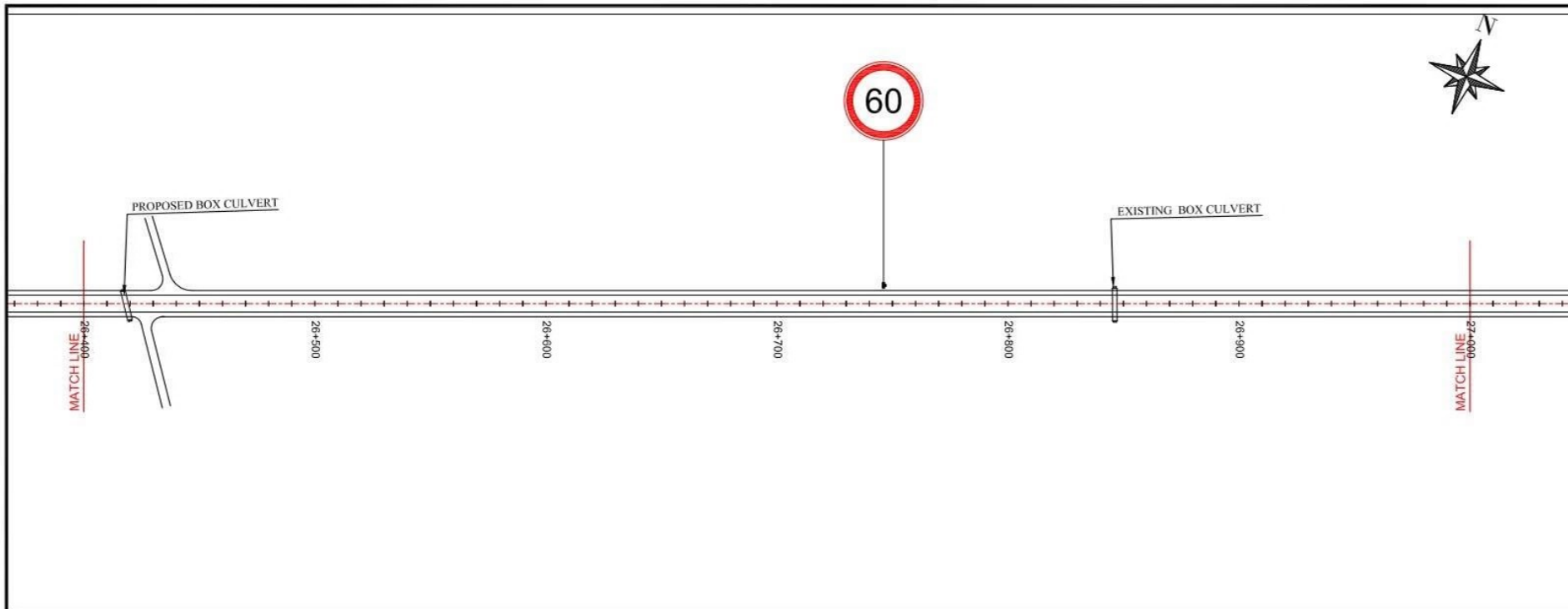
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
• ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

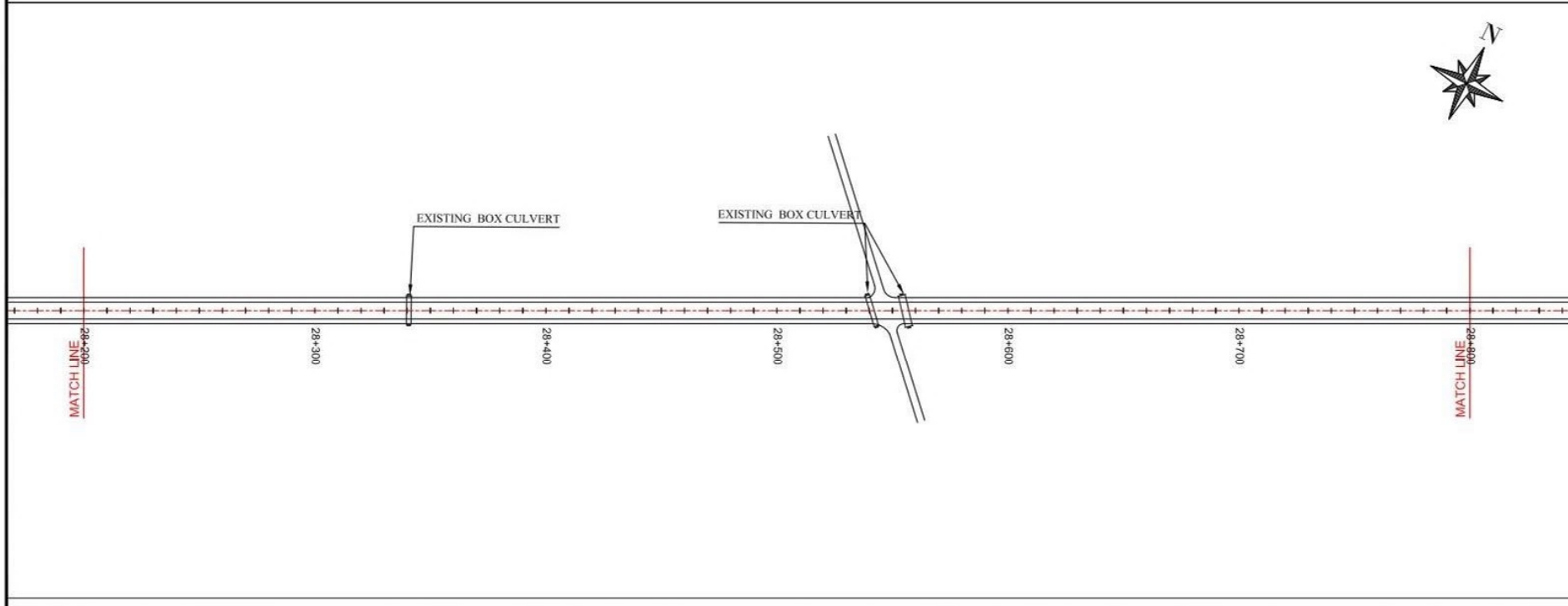
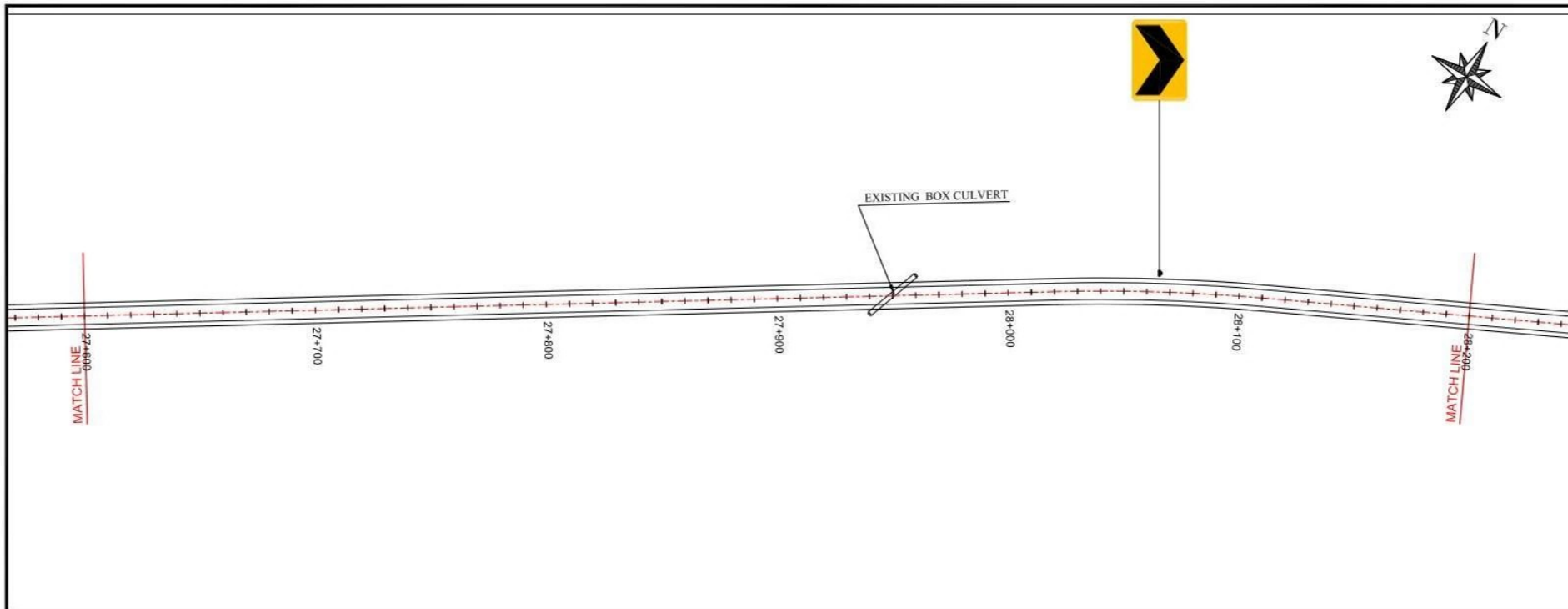
DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 24+000 TO 25+200

DESIGN BY: SUNILA	SHEET NO: 22 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV. 2025
APPROVED BY: KASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/TSP/22



NOTES		
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.		
LEGEND		
ABBREVIATION		
REV		
REVISION/ISSUE		
DATE		
CLIENT :		
	Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I	
PROJECT :		
	Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)	
LEAD CONSULTANT :		
	ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markar, Islamabad Ph: 051-2224215-16, FAX: 051-2224217 KASIB CONSULTANTS PVT. LTD	
DRAWING TITLE :		
TRAFFICE SIGNAGE PLAN AT KM 26+400 TO 27+600		
DESIGN BY :		SHEET NO :
SUNILA		23 of 32
DRAWN BY :		SCALE :
AKHTAR		N.T.S
CHECKED BY :		DATE :
KHURAM		NOV, 2025
APPROVED BY :		REVISION :
RASHID		REV. 00
CAD FILE NAME :		
ZU/IFRAP/TSP/23		



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

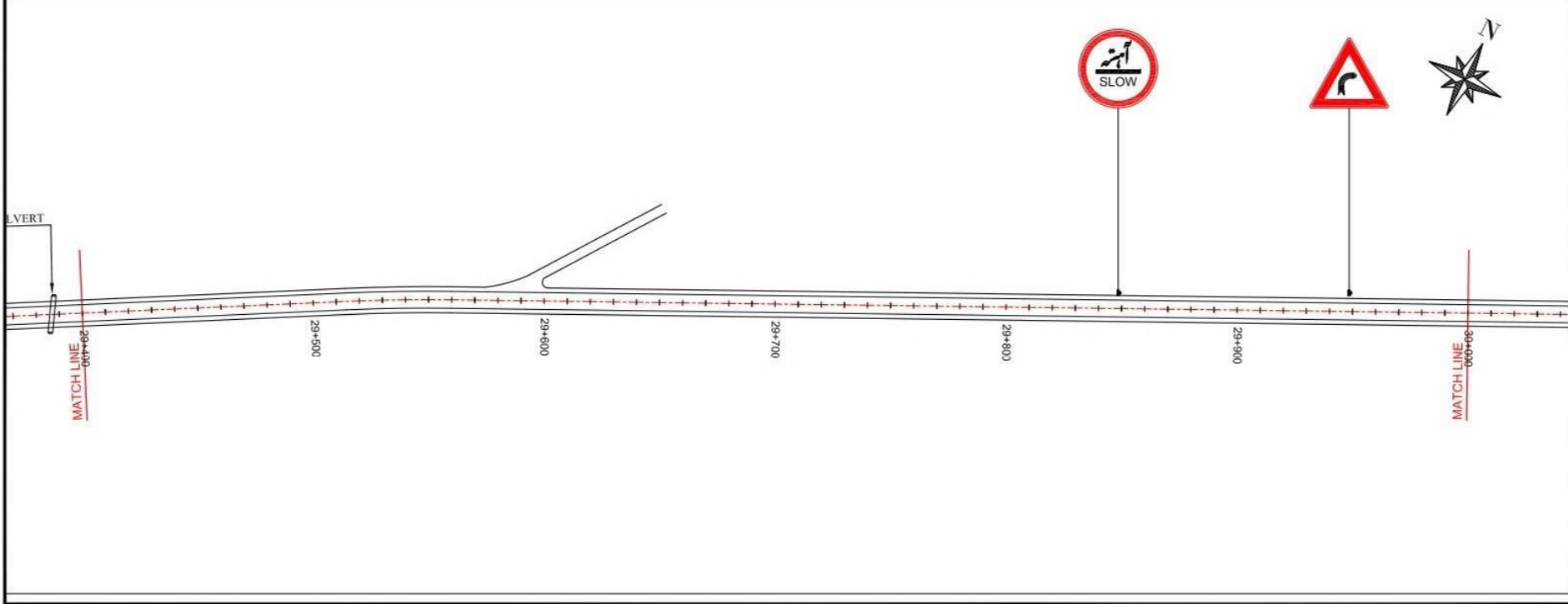
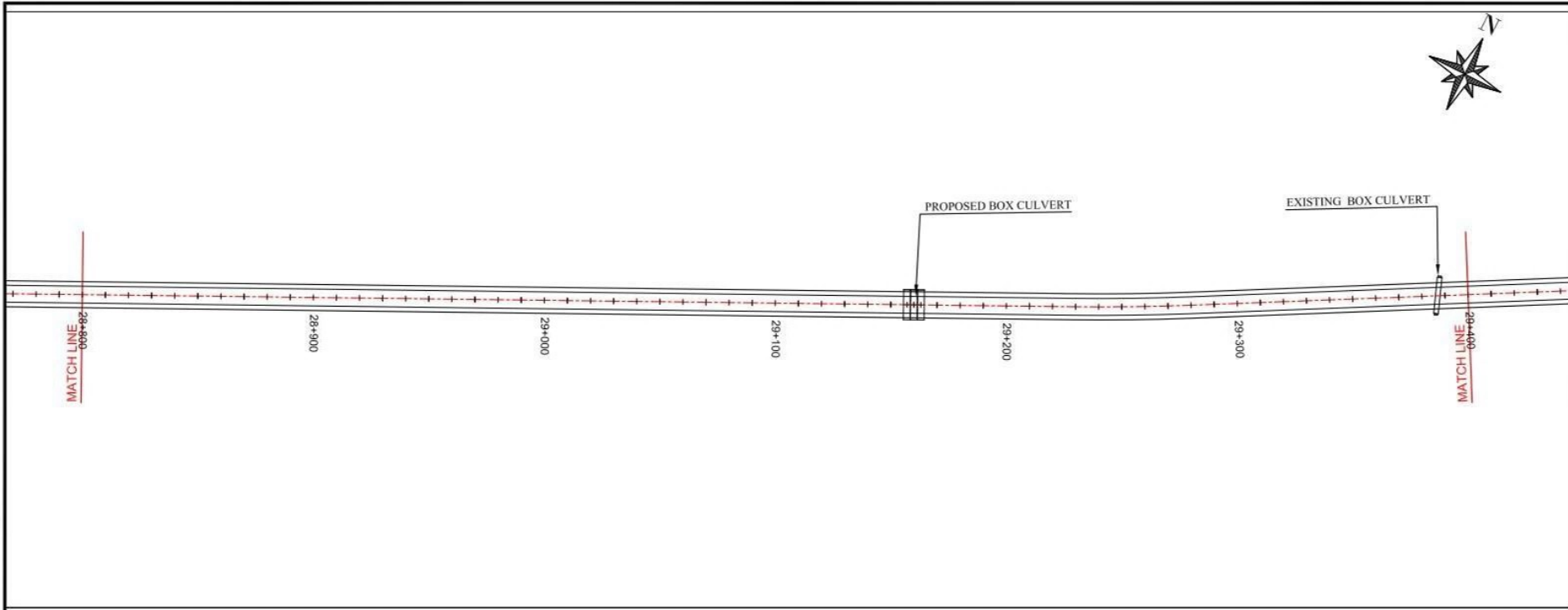
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 27+600 TO 28+800

DESIGN BY: SUNILA	SHEET NO: 24 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/TSP/24



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

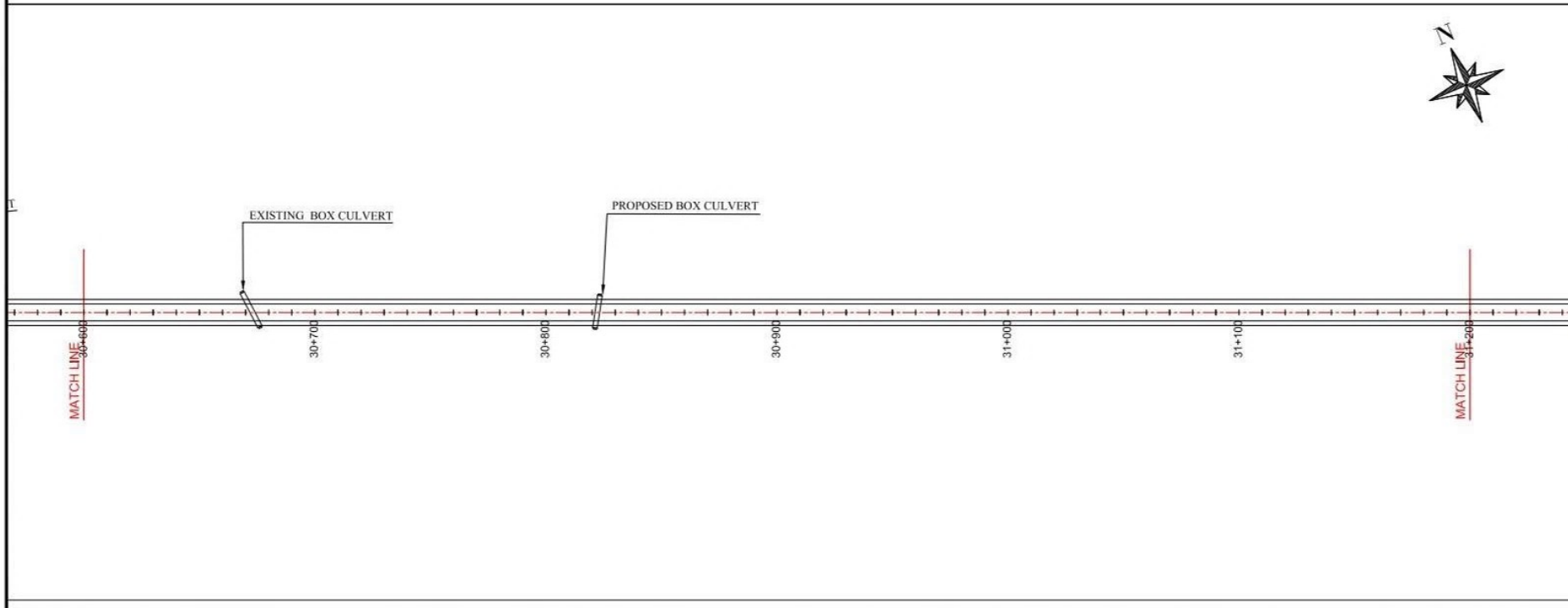
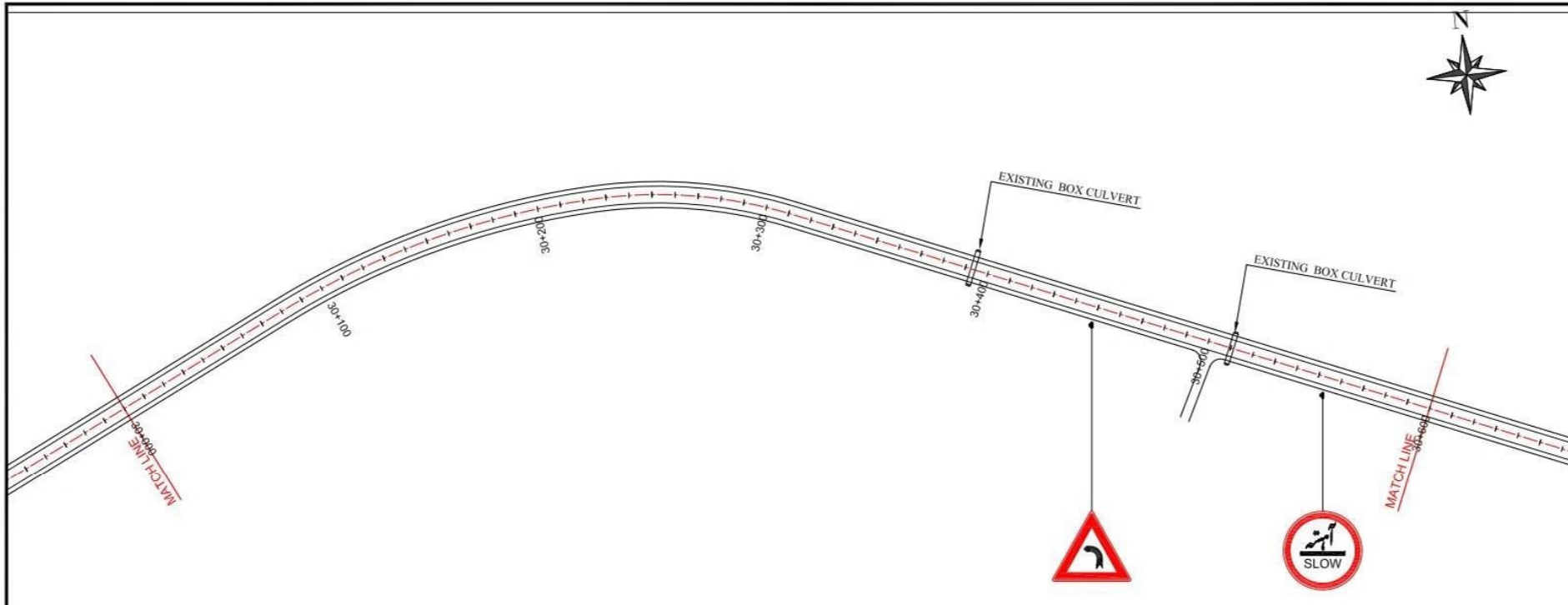
LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 28+800 TO 30+000

DESIGN BY: SUNILA	SHEET NO: 25 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/TSP/25



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV.	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT :

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

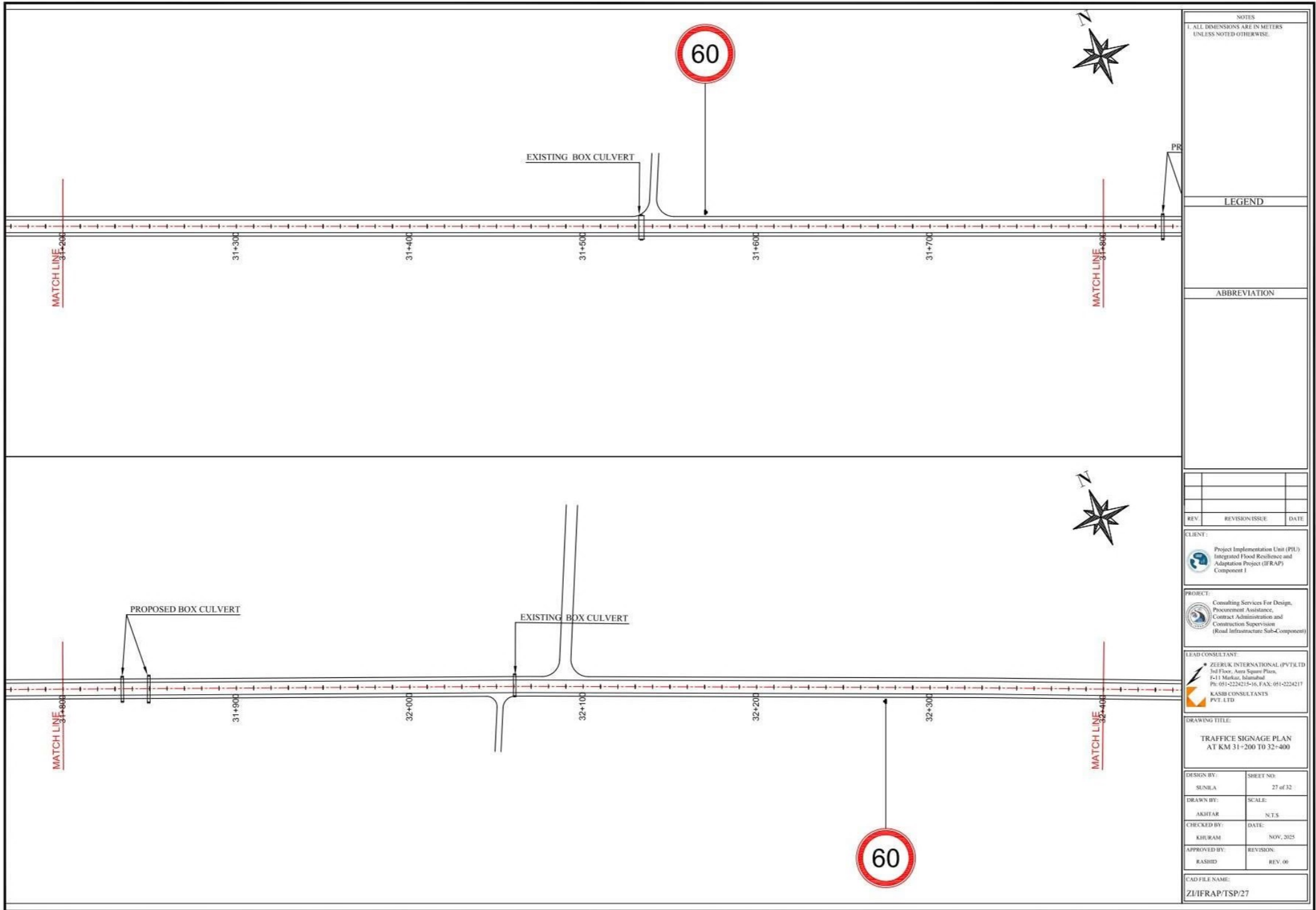
DRAWING TITLE :

TRAFFIC SIGNAGE PLAN
AT KM 30+000 TO 31+200

DESIGN BY:	SHEET NO:
SUNILA	26 of 32
DRAWN BY:	SCALE:
AKHTAR	N.T.S
CHECKED BY:	DATE:
KHURAM	NOV, 2025
APPROVED BY:	REVISION:
RASHID	REV. 00

CAD FILE NAME:

ZU/IFRAP/TSP/26



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
 Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

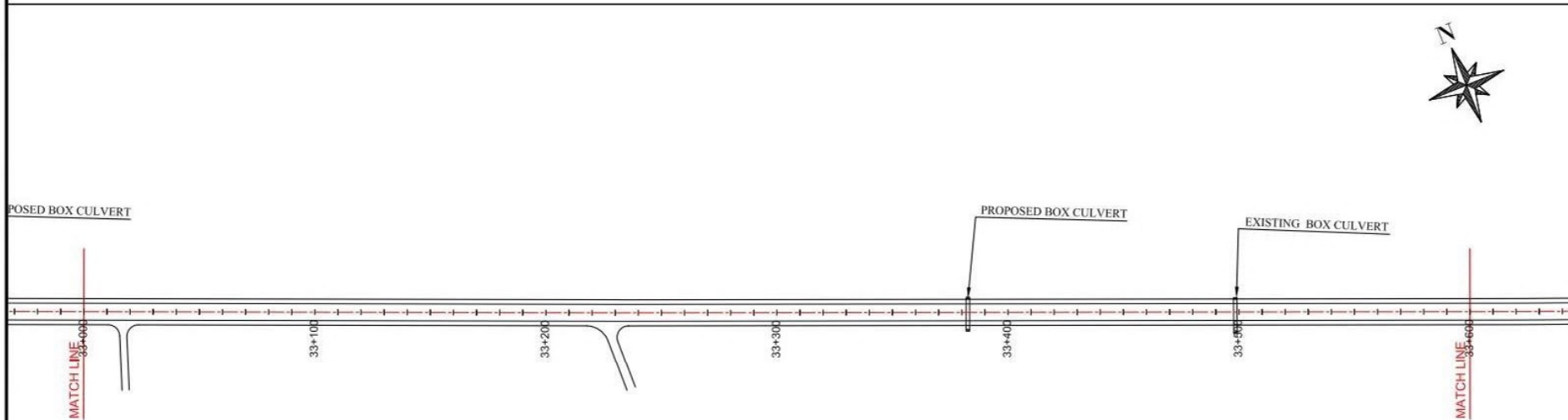
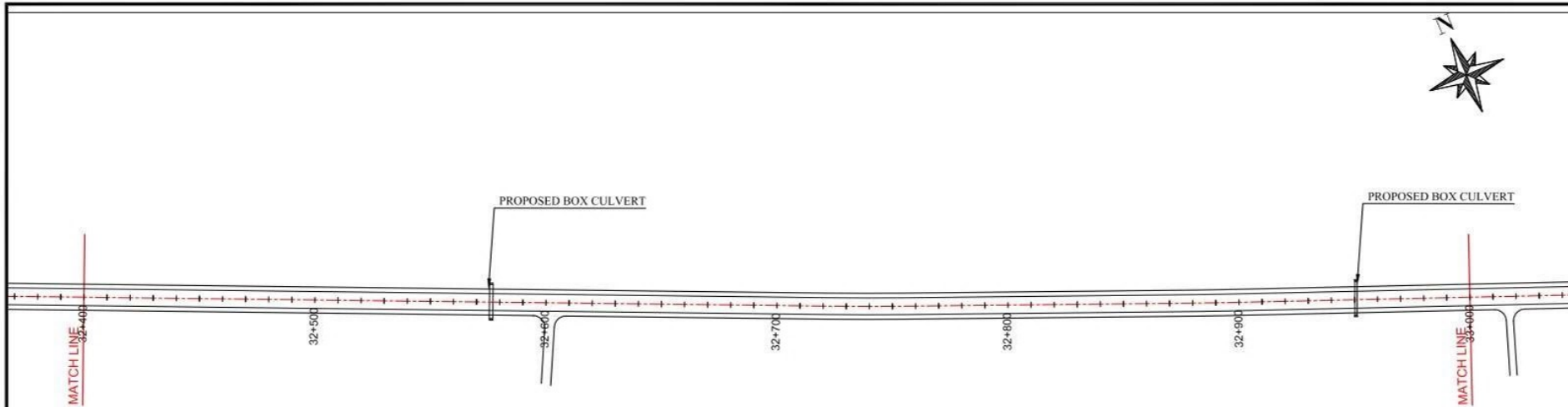
PROJECT:
 Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
 ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
 KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 31+200 TO 32+400

DESIGN BY: SUNILA	SHEET NO: 27 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/TSP/27



NOTES
1. ALL DIMENSIONS ARE IN METERS
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LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT :

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

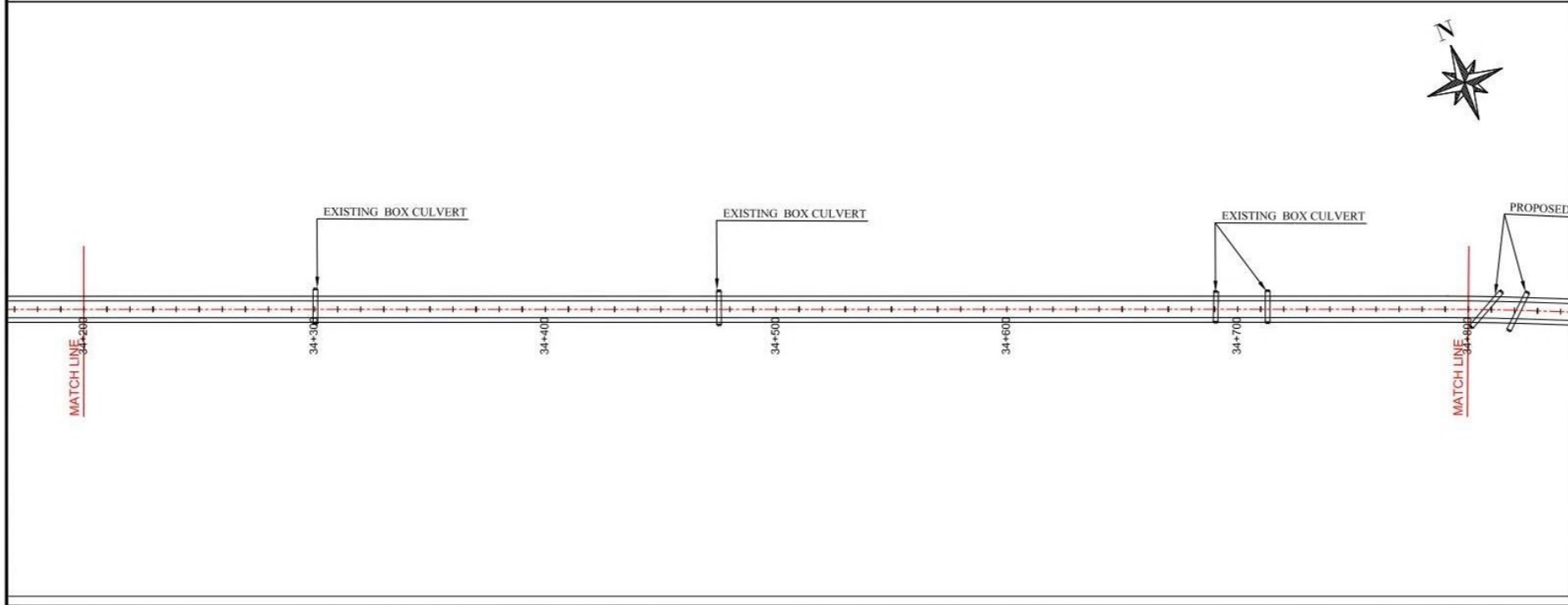
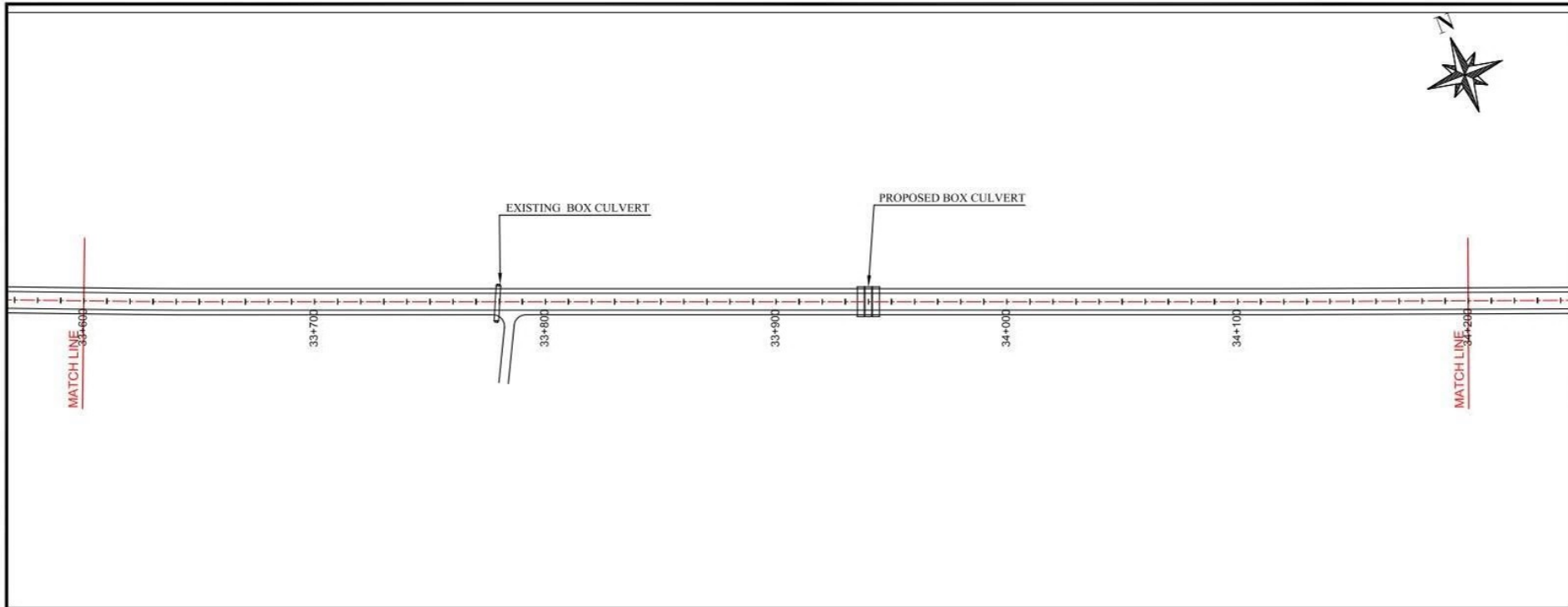
LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markar, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 32+400 TO 33+600

DESIGN BY: SUNILA	SHEET NO: 28 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/TSP/28



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:

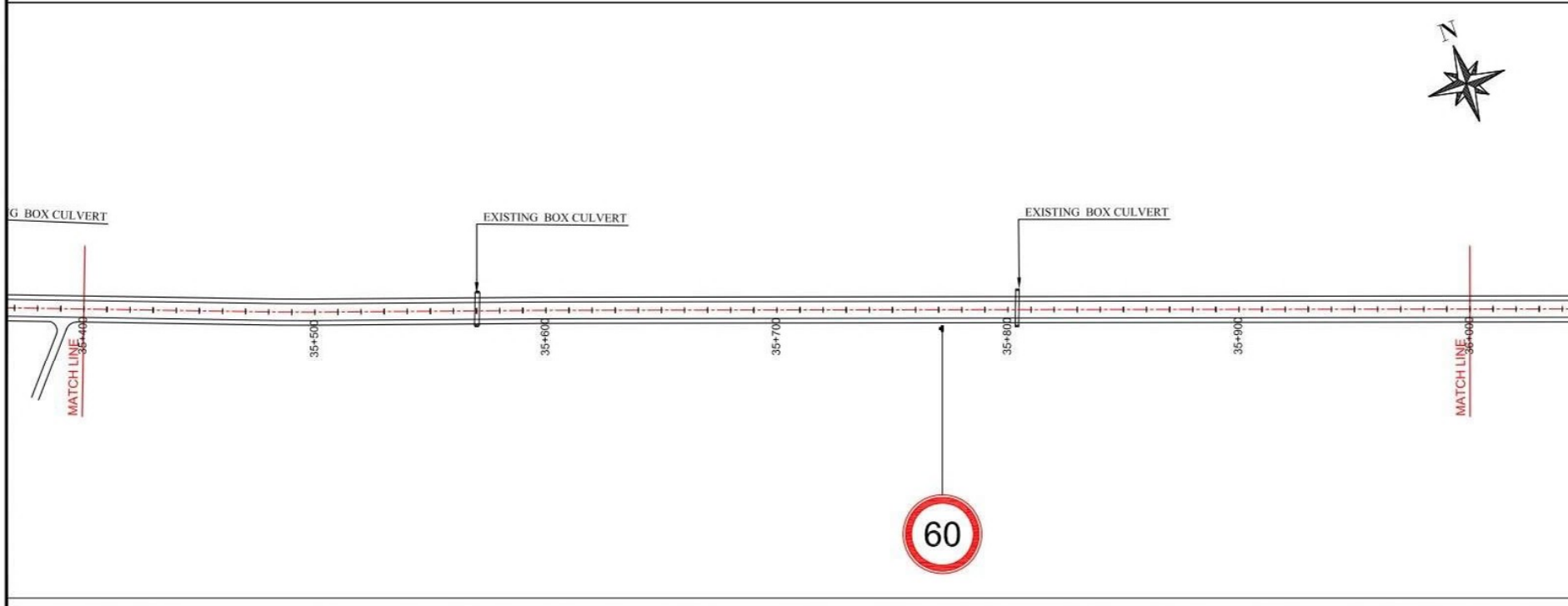
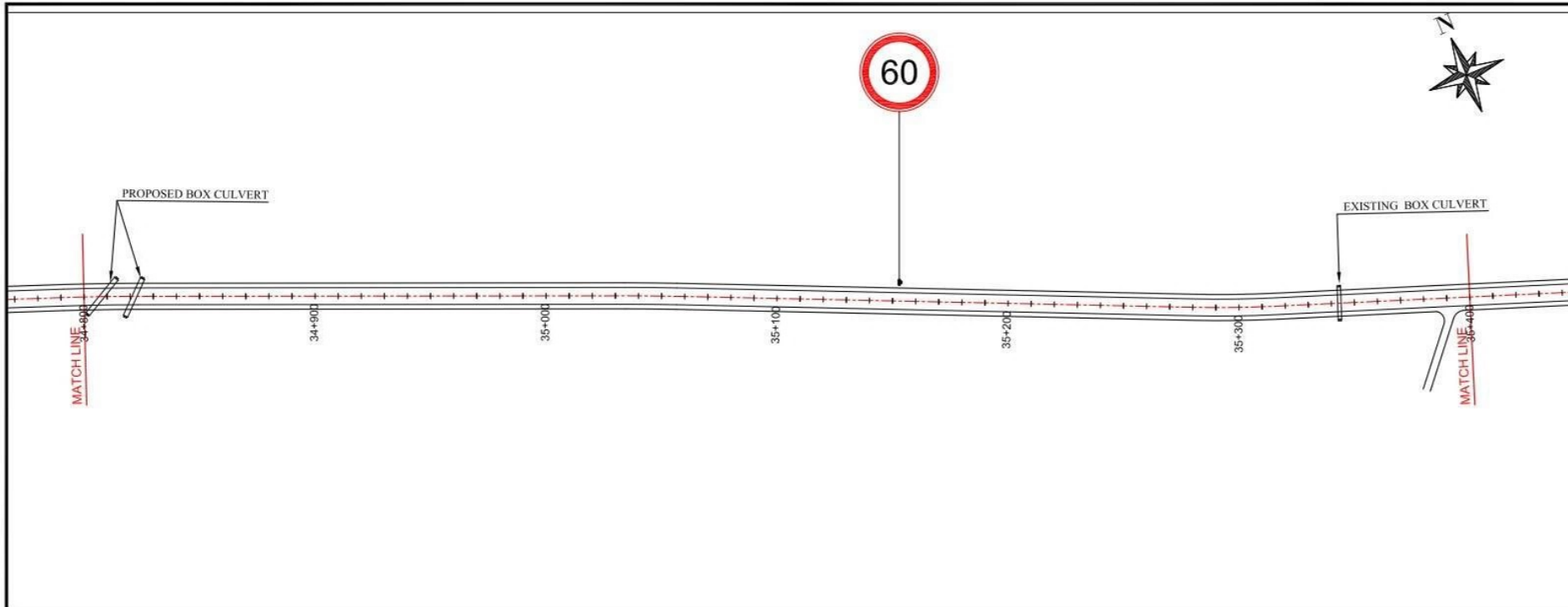
ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 01-2224215-16, FAX: 01-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:

TRAFFIC SIGNAGE PLAN
AT KM 33+600 TO 34+800

DESIGN BY: SUNILA	SHEET NO: 29 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/TSP/29



NOTES
1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :
Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component I

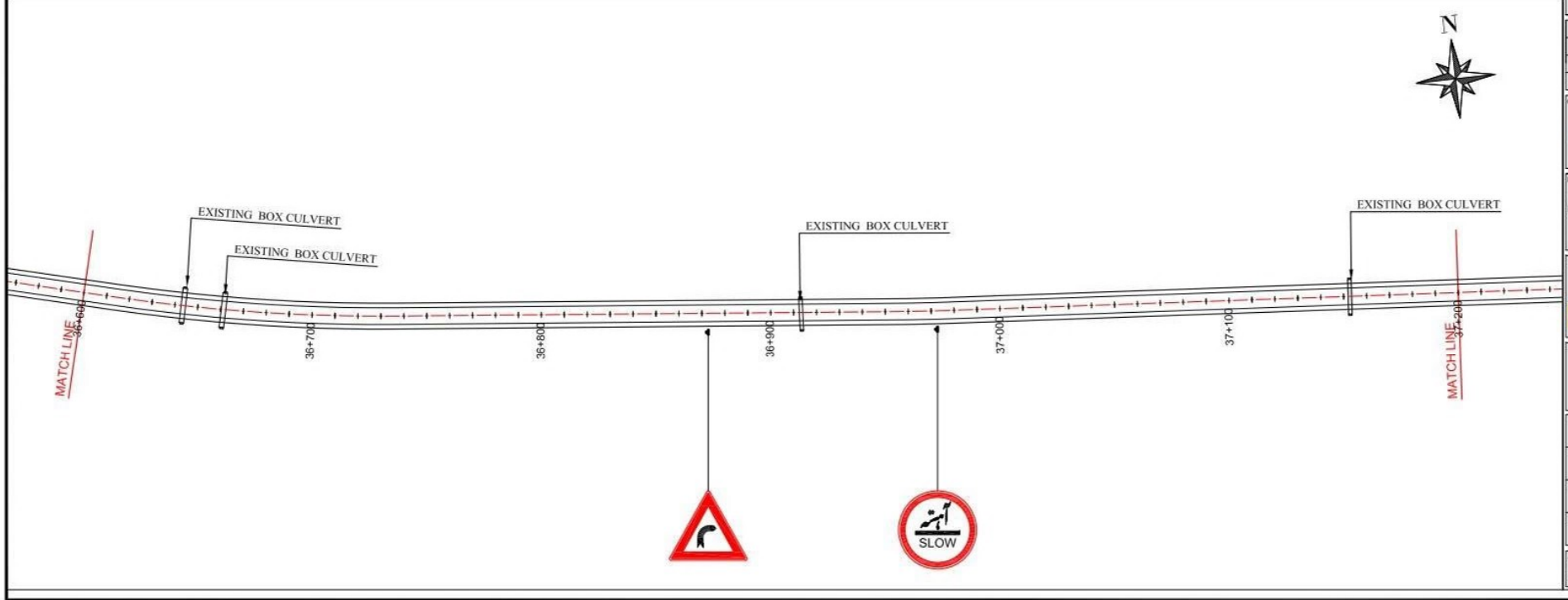
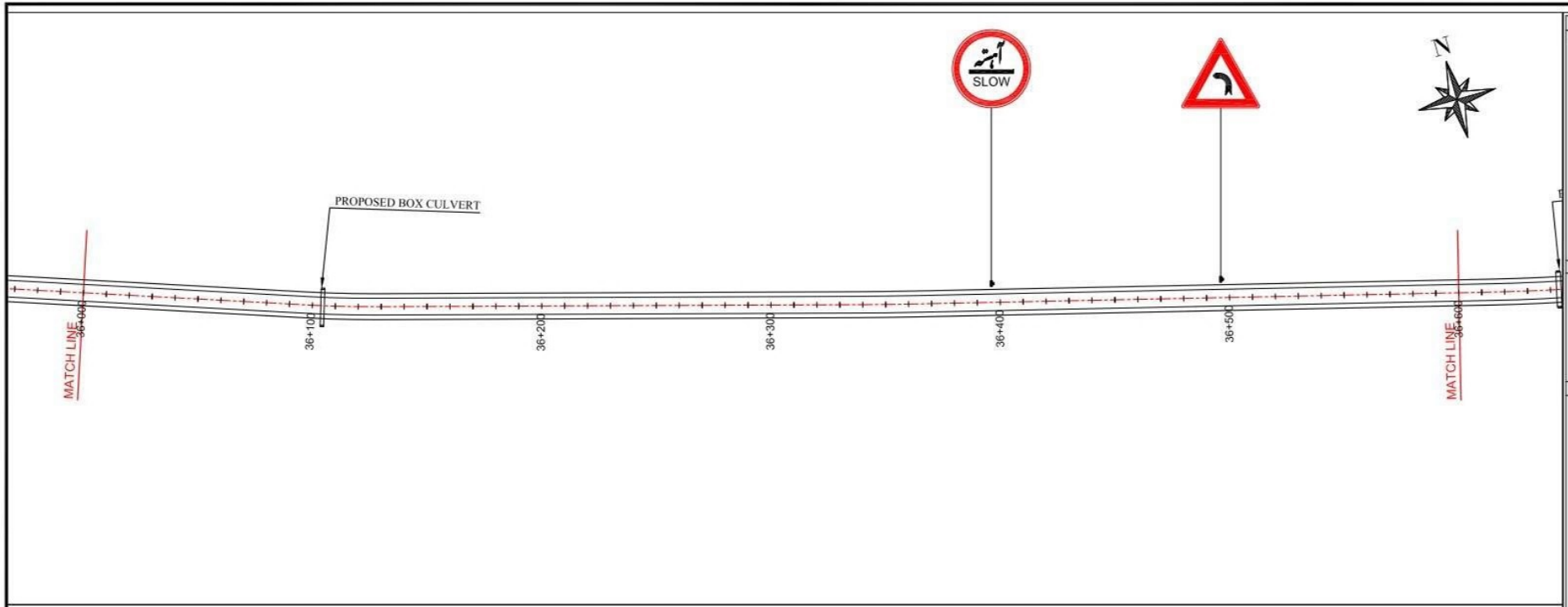
PROJECT:
Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

LEAD CONSULTANT:
• ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 011-2224215-16, FAX: 011-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 34+800 TO 36+000

DESIGN BY: SUNILA	SHEET NO: 30 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV, 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZI/IFRAP/TSP/30



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1. ALL DIMENSIONS ARE IN METERS
UNLESS NOTED OTHERWISE.

LEGEND

ABBREVIATION

REV	REVISION/ISSUE	DATE

CLIENT :

Project Implementation Unit (PIU)
Integrated Flood Resilience and
Adaptation Project (IFRAP)
Component 1

PROJECT:

Consulting Services For Design,
Procurement Assistance,
Contract Administration and
Construction Supervision
(Road Infrastructure Sub-Component)

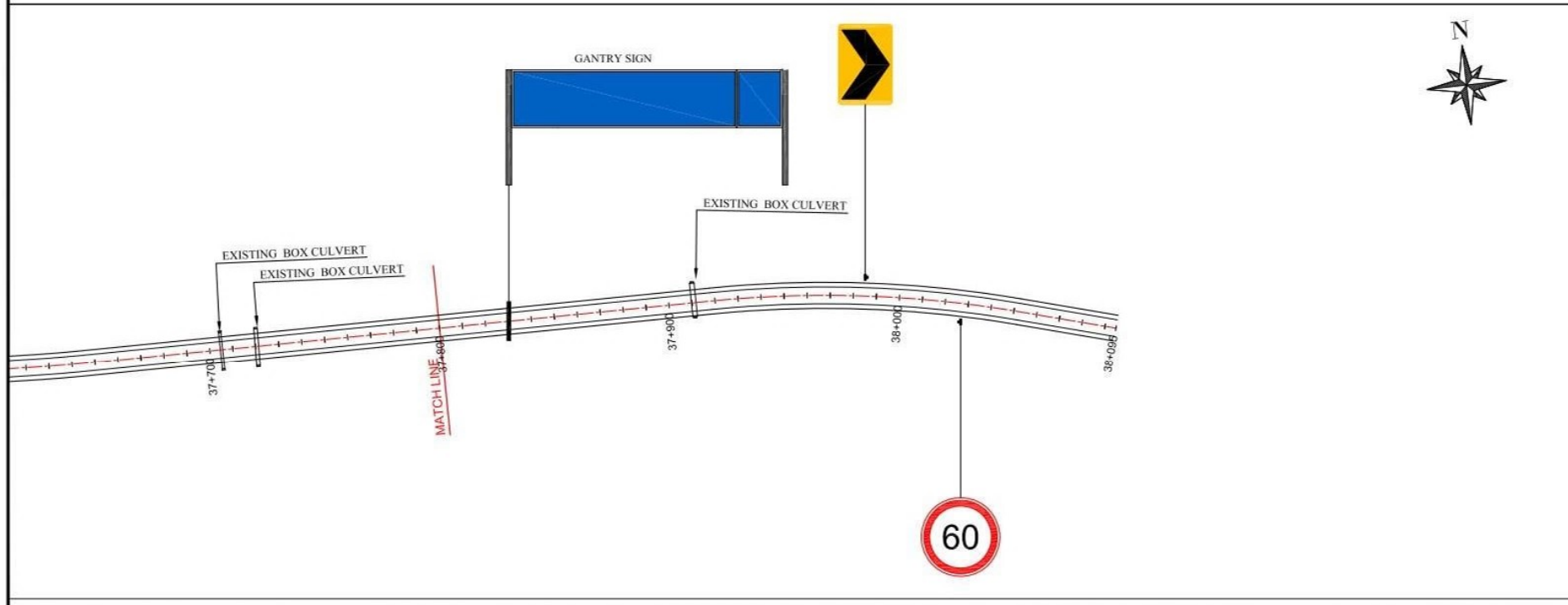
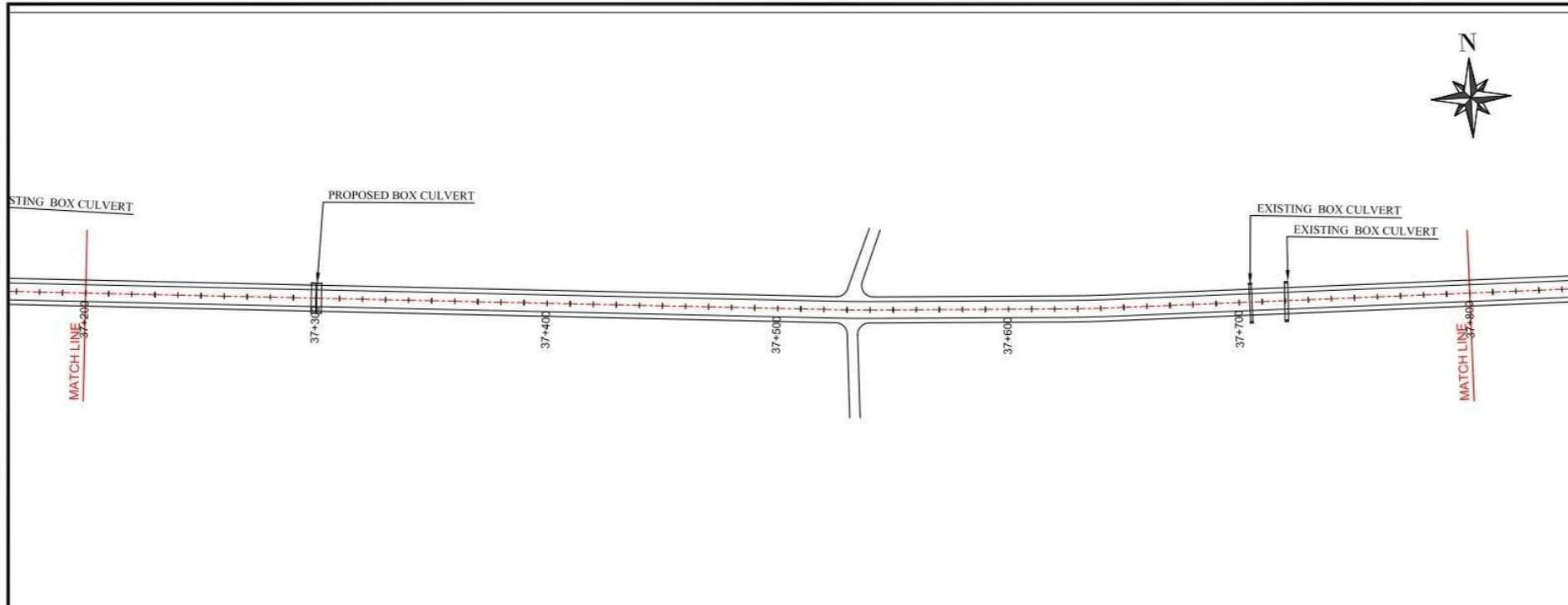
LEAD CONSULTANT:

ZEERUK INTERNATIONAL (PVT) LTD
3rd Floor, Ansa Square Plaza,
F-11 Markaz, Islamabad
Ph: 051-2224215-16, FAX: 051-2224217
KASIB CONSULTANTS
PVT. LTD

DRAWING TITLE:
TRAFFIC SIGNAGE PLAN
AT KM 36+000 TO 37+200

DESIGN BY: SUNILA	SHEET NO: 31 of 32
DRAWN BY: AKHTAR	SCALE: N.T.S
CHECKED BY: KHURAM	DATE: NOV. 2025
APPROVED BY: RASHID	REVISION: REV. 00

CAD FILE NAME:
ZU/IFRAP/TSP/31



NOTES 1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.		
LEGEND		
ABBREVIATION		
REV	REVISION/ISSUE	DATE
CLIENT :		
 Project Implementation Unit (PIU) Integrated Flood Resilience and Adaptation Project (IFRAP) Component I		
PROJECT:		
 Consulting Services For Design, Procurement Assistance, Contract Administration and Construction Supervision (Road Infrastructure Sub-Component)		
LEAD CONSULTANT:		
 ZEERUK INTERNATIONAL (PVT) LTD 3rd Floor, Ansa Square Plaza, F-11 Markaz, Islamabad Ph: 011-2224215-16, FAX: 011-2224217  KASIB CONSULTANTS PVT. LTD		
DRAWING TITLE:		
TRAFFICE SIGNAGE PLAN AT KM 37+200 TO 38+095		
DESIGN BY:	SHEET NO:	
SUNILA	32 of 32	
DRAWN BY:	SCALE:	
AKHTAR	N.T.S	
CHECKED BY:	DATE:	
KHURAM	NOV, 2025	
APPROVED BY:	REVISION:	
RASHID	REV. 00	
CAD FILE NAME:		
ZU/IFRAP/TSP/32		