



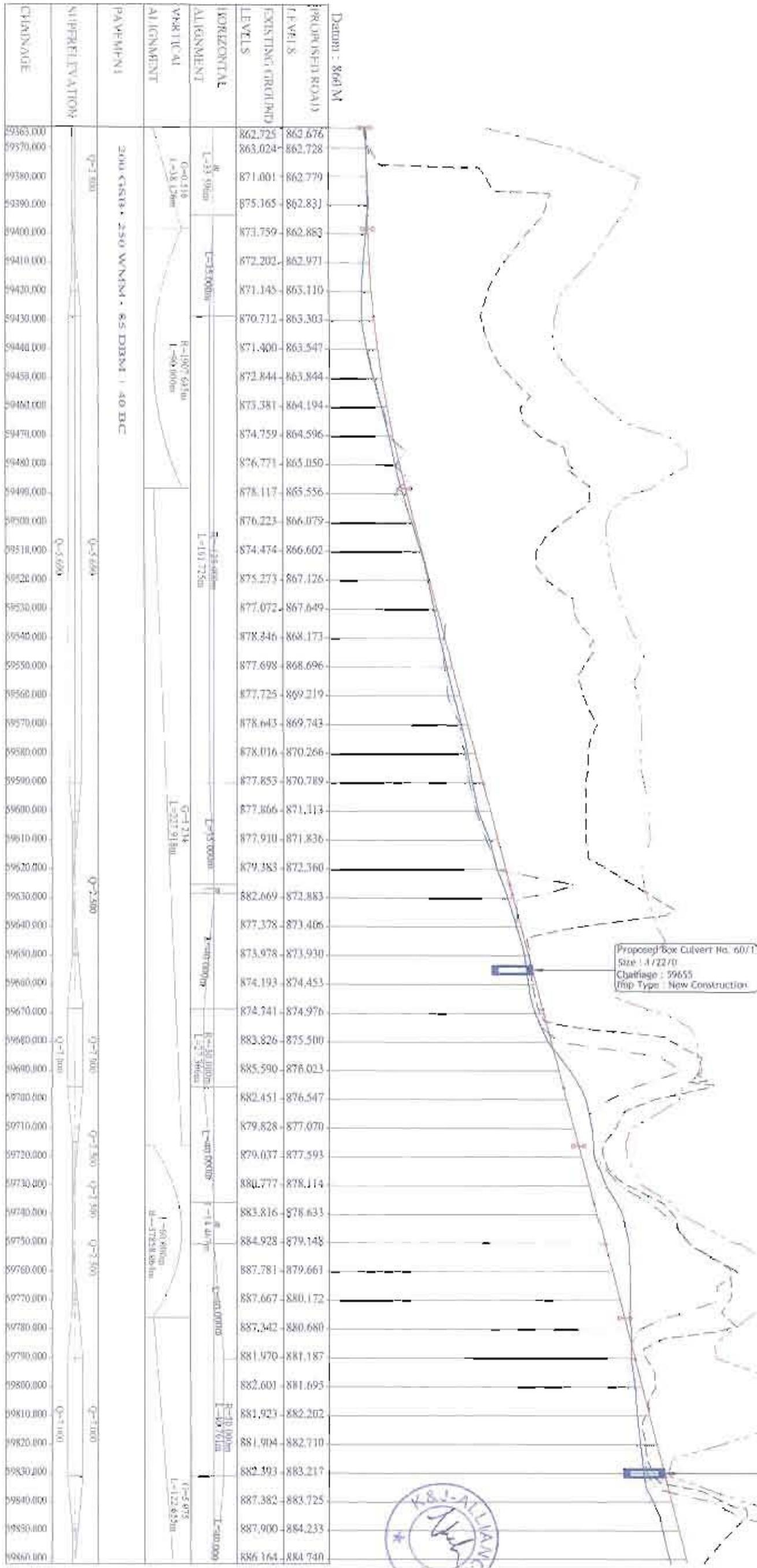
### LEGEND:

PROFILE:	
PROPOSED LEVEL (Hatched)	—
EXISTING LEVEL	—
EXIST. LEVEL + PFD (D)	—
LEFT TOP LEVEL	—
RIGHT TOP LEVEL	—
VER. RANGEFINDER POINT	—
BREAKAWAY WALL	—
RETAINING WALL	—

JORAM

KOLORIANG

02





## LEGEND:

JORAM

## PROFILE:

- Highway Alignment
- Bank (Soil) Cut
- Bank (Soil) Fill
- 4.5m (15ft) 4.7m (15ft)
- 5% Slope
- Inside Bank Level

- V.E. Tangent Point
- Breast Wall
- Retaining Wall

Datum : 878.84

PROPOSED ROAD LEVELS	
EXISTING GROUND LEVELS	
<b>LEVELS</b>	
HORIZONTAL	886.164 - 884.740
ALIGNMENT	884.561 - 885.248
VERTICAL ALIGNMENT	885.399 - 885.755
PAVEMENT	885.809 - 886.263
SUPER ELEVATION	887.200 - 886.720
GRADE	888.600 - 887.262
DATA	889.024 - 887.730
HAULAGE	891.661 - 888.172
	893.728 - 888.591
	896.550 - 888.984
	898.620 - 889.355
	899.717 - 889.698
	891.305 - 890.018
	893.914 - 890.313
	898.635 - 890.585
	897.701 - 890.829
	896.029 - 891.050
	893.596 - 891.247
	892.114 - 891.419
	892.722 - 891.566
	894.143 - 891.689
	894.094 - 891.787
	893.870 - 891.861
	893.518 - 891.910
	892.651 - 891.934
	892.753 - 891.949
	893.515 - 891.964
	896.368 - 891.979
	895.443 - 891.994
	895.868 - 892.009
	897.888 - 892.024
	898.030 - 892.039
	898.173 - 892.054
	894.284 - 892.069
	892.364 - 892.084
	893.367 - 892.115
	895.447 - 892.181
	898.147 - 892.283
	900.968 - 892.420
	902.973 - 892.593
	905.441 - 892.600
	909.304 - 892.043
	912.985 - 892.322
	913.526 - 892.636
	914.187 - 892.970
	914.781 - 893.304
	914.185 - 894.638
	911.625 - 894.977
	908.772 - 895.306
	906.144 - 895.600
	903.439 - 895.974

Proposed Box Culvert No. 61/3  
Size : 1/31/0  
Chassis : 59970  
Imp Type : Re-Construction

Proposed Box Culvert No. 61/1  
Size : 1/22/0  
Chassis : 60053  
Imp Type : Re-Construction

Proposed Box Culvert No. 61/2  
Size : 1/22/0  
Chassis : 60199  
Imp Type : Re-Construction



### LEGEND

#### PLAN: ENGRAVED

- EXISTING
- NEW
- CH LINE
- CW LINE
- CH LINE
- CROWN
- OPEN DRAIN
- CROWN
- CROWN
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- PROW
- FROM PROW
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## LEGEND :

JORAM

KOLORIANG

105

- PROFILE:**
- Dug Level/Unlev.
  - Existing Level
  - Fwd Elevation
  - Left Toe Level
  - Right Toe Level

VER. TANGENT POINT

BREAST WALL

PERMITTING WALL

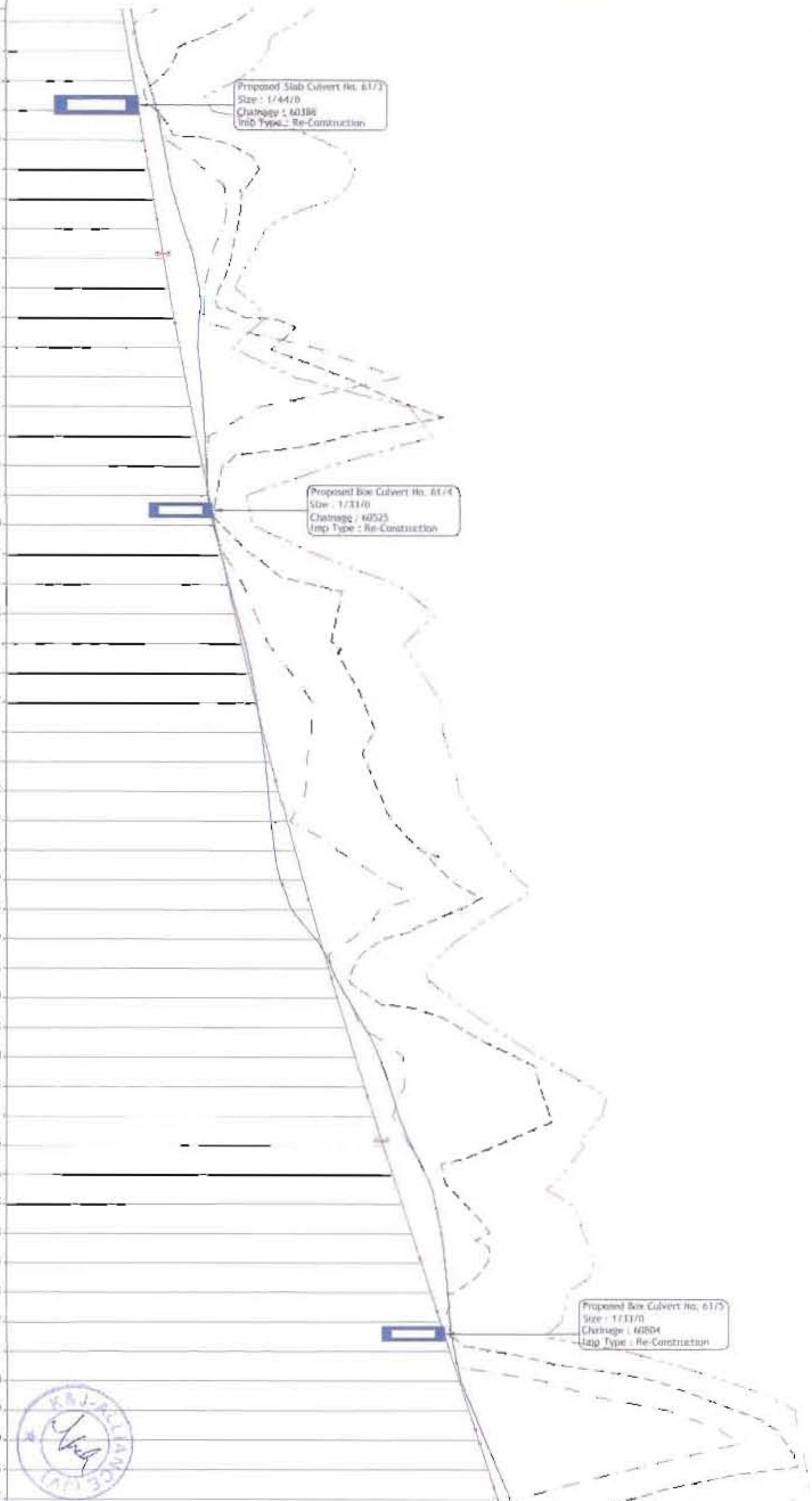
CROWN

Proposed Box Culvert No. 6175  
Size : 1/11/0  
Chitrage : 60804  
Imp Type : Re-Construction

Proposed Box Culvert No. 6174  
Size : 1/11/0  
Chitrage : 60525  
Imp Type : Re-Construction

Proposed Slab Culvert No. 6173  
Size : 1/44/0  
Chitrage : 60386  
Imp Type : Re-Construction

Datum : 888.84



WAVEMENT

2001-2002 + 250 WMM : 85 DDMM + 40 HGT

2001-2002 + 250 WMM : 85 DDMM + 40 HGT

SUPPLY ELEVATION

0-2.00

0-2.00

CROWN

0-2.00

0-2.00

ALIGMENT

L-149.60m

L-149.60m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

L-147.00m

VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L-147.00m

L-147.00m

ALIGMENT

L-147.00m

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VERTICAL

L-147.00m

L-147.00m

ACCEMENT

L-147.00m

L-147.00m

WAVEMENT

L-147.00m

L-147.00m

SUPPLY ELEVATION

L-147.00m

L-147.00m

CROWN

L





## LEGEND

PLAN : NORTHEAST

SECTION : NORTH

SECTION : SOUTH

SECTION : WEST

SECTION : EAST

SECTION : UP

SECTION : DOWN

SECTION : LEFT

SECTION : RIGHT

SECTION : BACK

SECTION : FRONT

SECTION : IN

SECTION : OUT

SECTION : UP

SECTION : DOWN

SECTION : LEFT

SECTION : RIGHT

SECTION : IN

SECTION : OUT

SECTION : UP

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SECTION : IN

SECTION : OUT

## JORAM

## KOLORIANG

09



0M

10M

20M

30M

40M

50M

60M

70M

80M

90M

100M

RECYCLING AREA

NEW PALIN VILLAGE

PADDY FIELDS

VALLEY







### LEGEND

JORAM

PLAN:	PREGOATED
TOE LINE	THICK LINE
SIDE EDGE	DASHED LINE
CURVE	WAVY LINE
UPPER EDGE	LINE WITH HORIZONTAL DASHES
LOWER EDGE	LINE WITH VERTICAL DASHES
SHRUBS	HATCHED AREA
HOV TANGENT LINE	THIN DASHED LINE
PPH/THEVE FOR LINE	THIN SOLID LINE

KOLORIANG

13

PROPOSED	PROPOSED
OPEN LINE	OPEN LINE
FOOTPATH	FOOTPATH
BARRIER	BARRIER
SOIL CLEAVER	SOIL CLEAVER

### LEGEND

PLAN:

EXISTING:

CAVETTE

CAVE

ROUTE

ROUTE

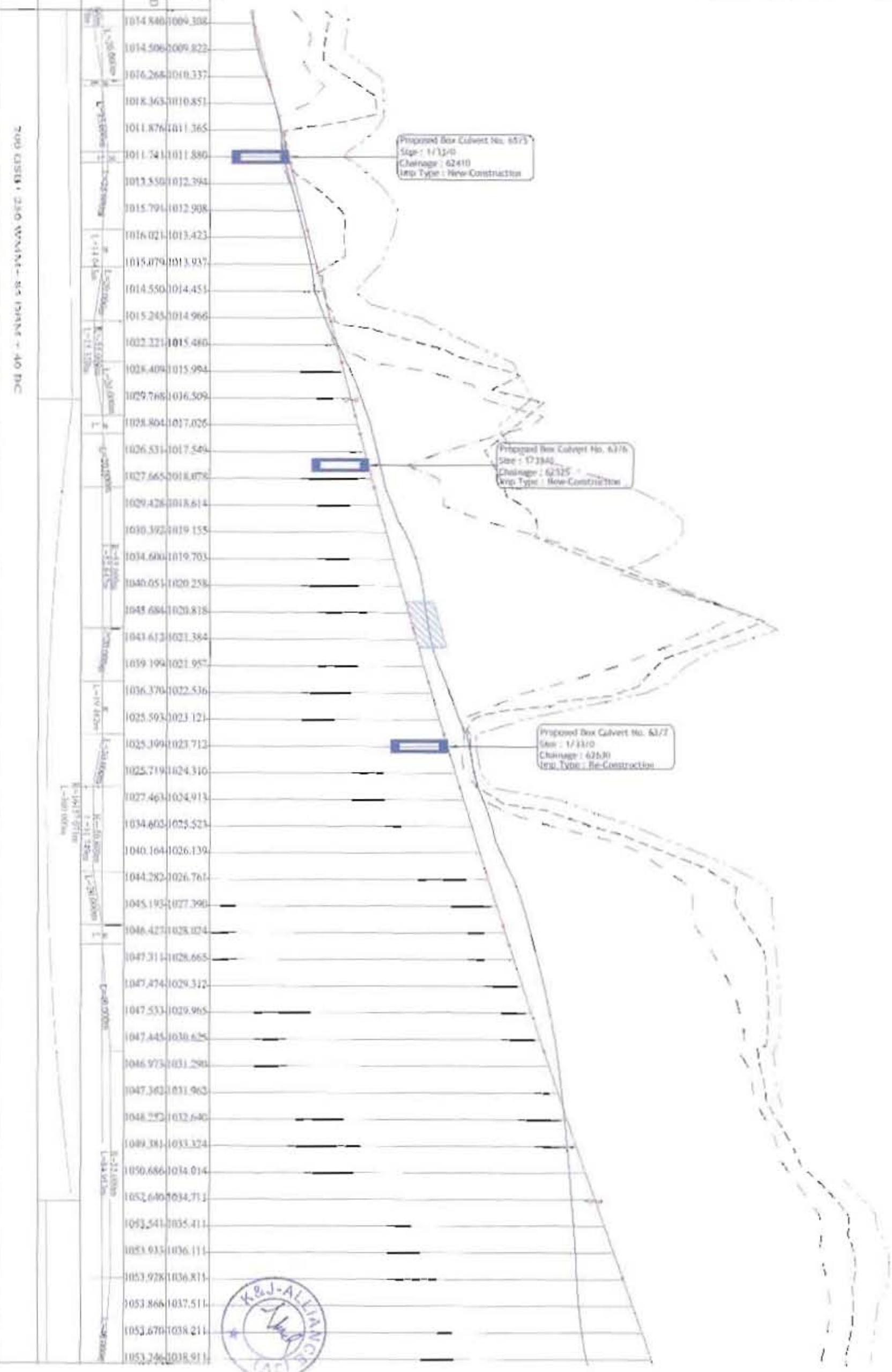
RIDGE

LEGEND

JURAM

KOLORIANG

14





**FEDERAL LEVEL Consultancy Services for preparation of Detailed Project report for 2-Laning of Juran-Kelorong Road from Km 70.00 to Km 138.60 (Length = 68 Km) in the state of Arunachal Pradesh under SARDP-NE on EPC Mode**

Plan

Fig No. 1A-1E-1G ReadPAPFig 1:18  
 Noddy → 100 mm 10 cm 10 mm  
 w (1.3 mm) 4.18 - 1 - 1 - 1



LEGEND

JORAM

KOLORIANG

L.H.(IN)D:

JORAM

KOLORIANG

16

PROFH F:

WATER LEVEL (Elevation)

EARTH (Soil) LEVEL

SOIL (Soil) AT TYPING CL.

LEFT TIDE LEVEL

RIGHT TIDE LEVEL

VER. TANGENT POINT

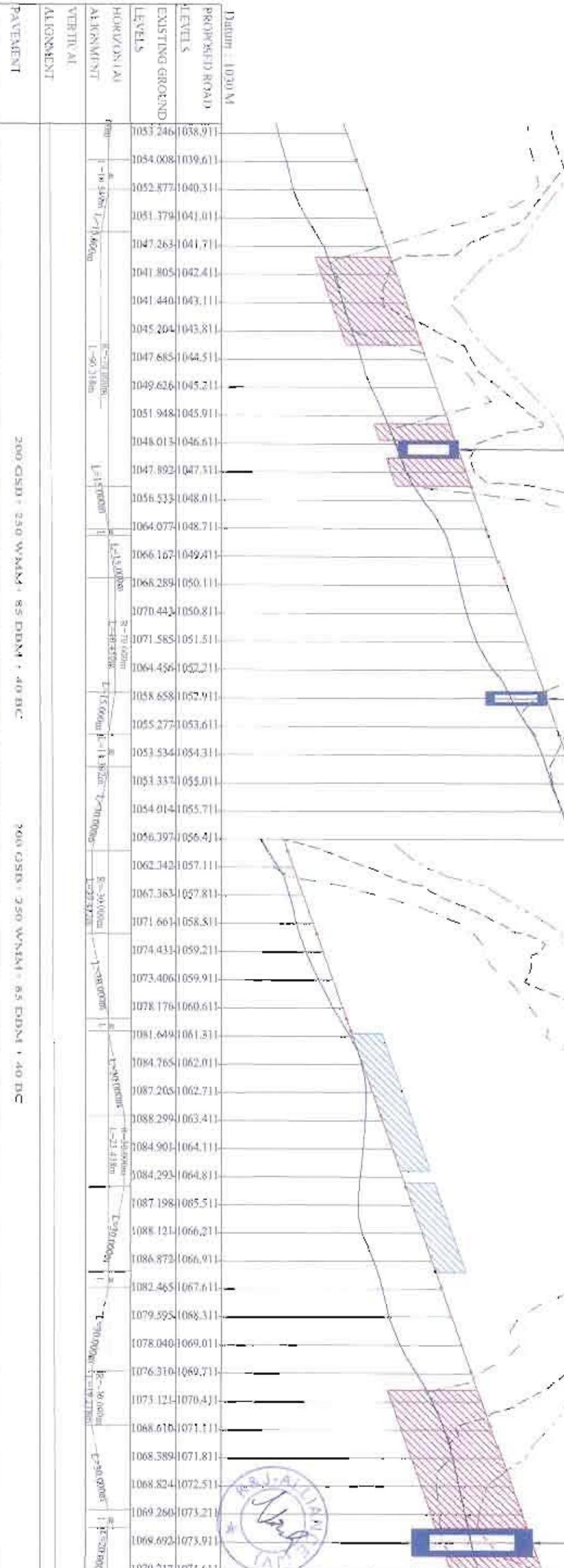
BREAST WALL

RETAINING WALL

Proposed Box Culvert No. A3/8  
Size : 1/4370  
Chamfer : 67972  
Imp Type : New Construction

Proposed Box Culvert No. M4/1  
Size : 1/33/0  
Chamfer : 630641  
Imp Type : Re-Construction

Proposed Box Culvert No. 64/7  
Size : 1/66/1  
Chamfer : 633461  
Imp Type : Re-Construction



PAVEMENT

200 CSD + 250 WMM + 85 DMD + 40 DC

SCUTTER ELEVATION

Q=2.500

Q=2.700

Q=2.900

Q=3.100

Q=3.300

Q=3.500

Q=3.700

Q=3.900

Q=4.100

CHAINAGE

62860.000

62870.000

62880.000

62890.000

62900.000

62910.000

62920.000

62930.000

62940.000

62950.000

62960.000

62970.000

62980.000

62990.000

63000.000

63010.000

63020.000

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63110.000

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63360.000

63370.000

HORIZONTAL ALIGNMENT

VERTICAL ALIGNMENT

PAVEMENT

SCUTTER ELEVATION

CHAINAGE

PAVEMENT

SCUTTER ELEVATION

CHAINAGE

LEVELS

EXISTING GROUND LEVELS

HOVEMANAI LEVELS

ALIGNMENT

VERTICAL ALIGNMENT

PAVEMENT

SCUTTER ELEVATION

CHAINAGE

LEVELS

EXISTING GROUND LEVELS

HOVEMANAI LEVELS

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SCUTTER ELEVATION

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SCUTTER ELEVATION

CHAINAGE

LEVELS

EXISTING GROUND LEVELS

HOVEMANAI LEVELS

ALIGNMENT

VERTICAL ALIGNMENT

PAVEMENT

SCUTTER ELEVATION

## LEGEND

JOKAM

---

KOKHANG



**CHURCHILL**  
K. & J Projects Pty Ltd  
Atlantic Engineers & Consultants  
1000-1001, 10th Floor, 100 George Street, Sydney NSW 2000  
Ph: 02 8214 0000, Fax: 02 8212 2222

**Project Name:** Consultancy Services for preparation of Detailed Project report for 7-Lining of Jorain-Kolarang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the State of Arunachal Pradesh under SARDP-NE on EPC Mode

Plain  
From: <am6337@...>

Dig The KILLER COMIC Book Review



LEGEND:

JORAM

KOLORIANG

**Project Name** Consultancy Services for preparation of Detailed Project report for 2-Laning of Jurain-Koturang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of Arunachal Pradesh under SARDP-NNE on EPC Mode

Package	From	Plan	Dipole
z>1	$\tilde{F}(m \approx k_B T / \hbar)$	$\tilde{\rho}_0$	$\tilde{\rho}_0$



**LEGEND:**

**JORAM**

**KOLORIANG**

20

<b>PROFILE:</b>	
PROF. LEVELS	---
EGSR. PROFILE	—
LEFT TOE LEVEL	—
RIGHT TOE PROFILE	—
VER. TANDEM POINT	—
BREAST WALL	—
HET ALONG WALL	—

Datum : 1108 M

PROF. LEVELS

EGSR. PROFILE

LEFT TOE LEVEL

RIGHT TOE PROFILE

VER. TANDEM POINT

BREAST WALL

HET ALONG WALL

EXISTING GROUND

LEVELS

ALIGNMENT

VERTICAL

ALIGNMENT

ALIGNMENT

PAVEMENT

SUPER ELEVATION

CHAMFER

DP-2 300

Q+1 000

(P-2 500) Q+2 500

Q+1 500

Q+1 500

(P-2 500) Q+2 500

Q+1 500

DP-2 300

Q+1 000

(P-2 500) Q+2 500

Q+1 500

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Q+1 500

DP-2 300

Q+1 000

(P-2 500) Q+2 500

Q+1 500

DP-2 300



LEGEND:

JORAM

KOLORIANG

22

	WIND (EAST)
	RIGHT ROAD LEVEL
	LEFT ROAD LEVEL
	HIGH TIDE LINE
	NEAR VANDENT POINT
	WEST WALL
	RETAINING WALL

Datum: 1160M

Proposed Box Culvert No. 63/1  
Srie : #731/0  
Chaining : 64690  
Eng Type : Re-Construction



Elevation : 1142 M	
PROPOSED ROAD	
LEVELS	
EXISTING GROUND LEVELS	
HORIZONTAL ALIGNMENT	
VERTICAL ALIGNMENT	
PAVEMENT	C-650+ 250 WMM + 85 DDM + 40 DC
SUPER ELEVATIONS	
CHAMFER	



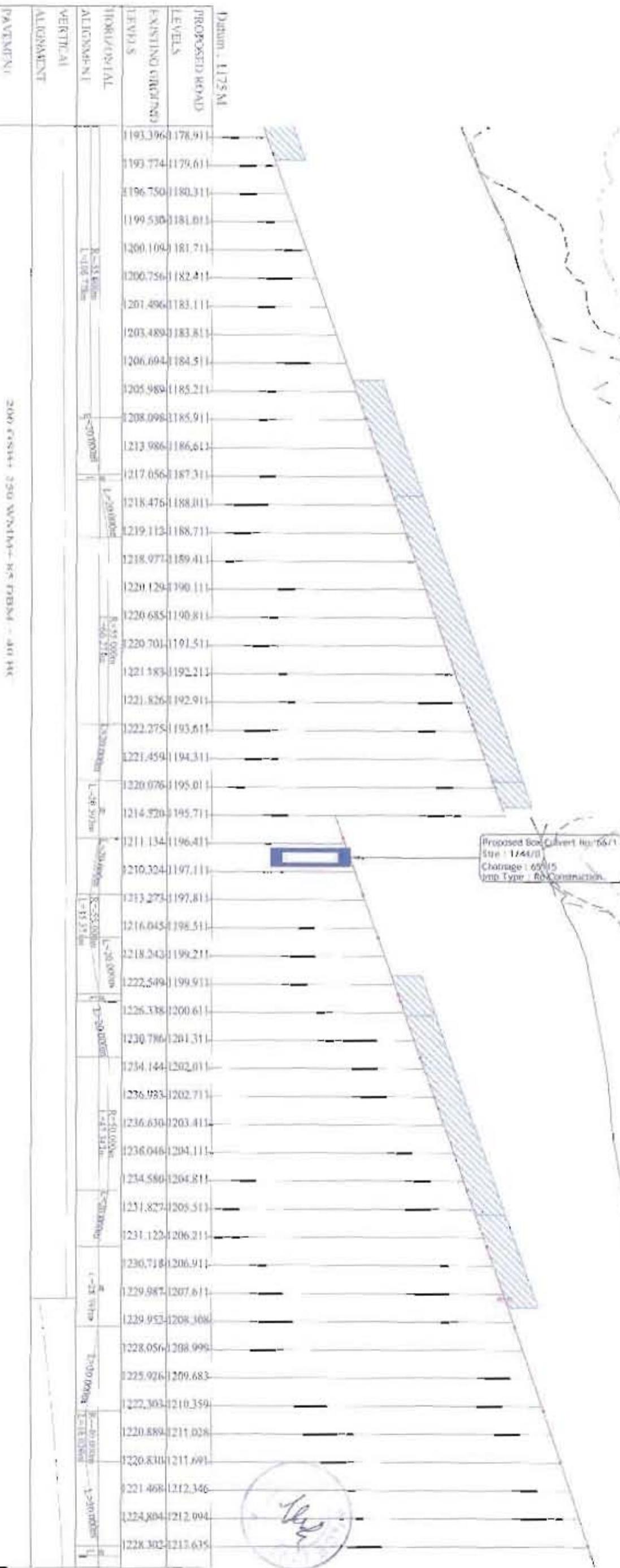
**LEGEND:**

<b>PROFILE:</b>	White - As Prepared
—	EXISTING ROAD LEVEL
—	Layer of Cuttings & Fill
—	LEFT PROFILE
—	RIGHT PROFILE
—	VIA TANGENT POINT
	BREAST WALL
	RETAINING WALL

**JORAM**

**KOLORIANG**

14



**LEGEND :**

**PLAN : PROPOSED**

ROAD LINE

IN HOUSE

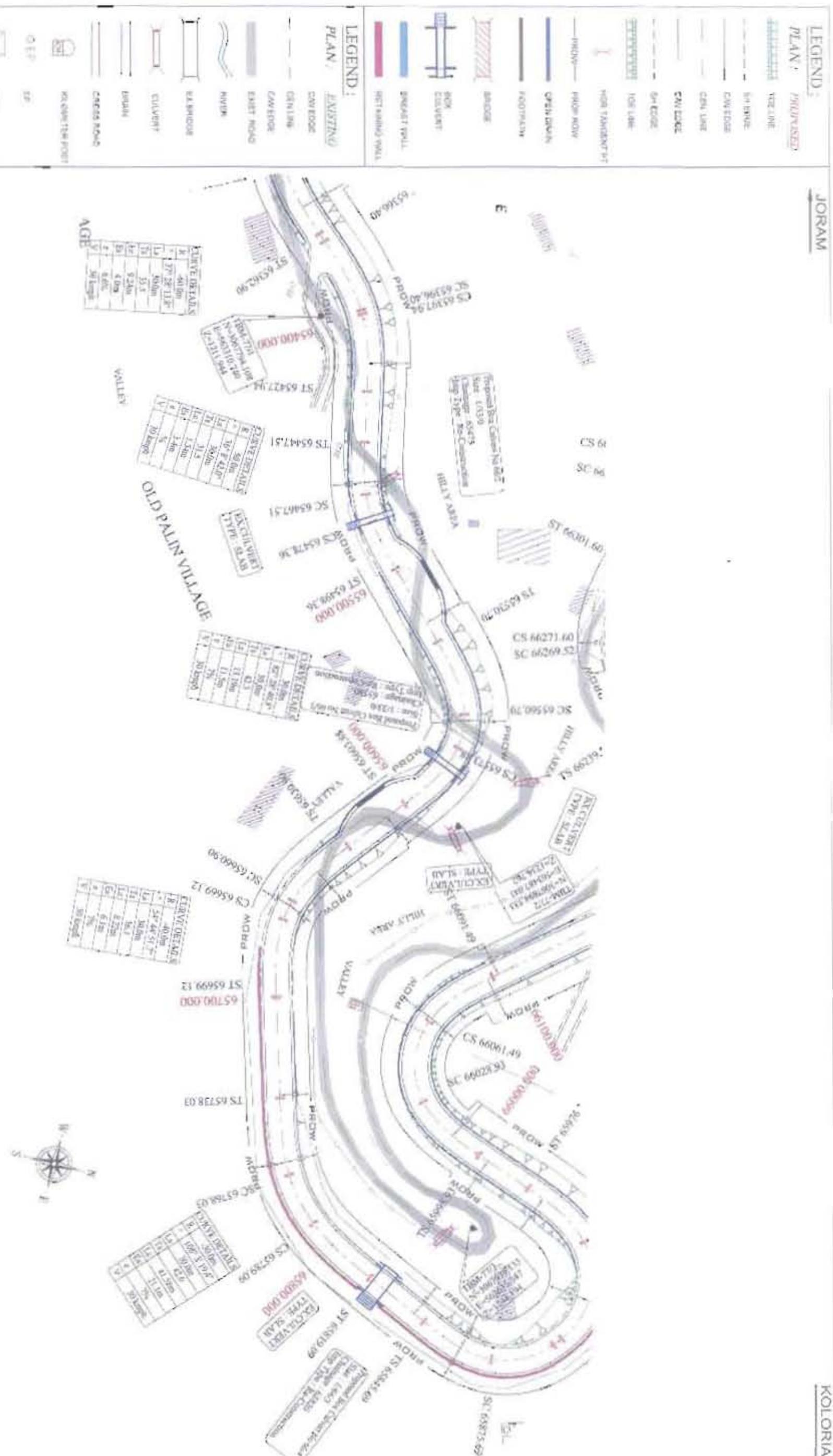
CW LINE

CB LINE

DRIVE

**JORAM**

**KOLORIANG**



## LEGEND

## PROFILE

TRUE LEVEL (station)  
EXIST ROAD LINE  
EAST LEVEL, AVE 0.1  
LEVELS (LEVEL)

VS = Target point  
BREAST WALL  
RETAINING WALL

JORAM

KOLORJANG

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	VS = Target point
	BREAST WALL
	RETAINING WALL

Proposed Box Culvert No. M72  
Size : 1/33/0  
Chainage : 65470  
Imp Type : Re-Construction

Proposed Box Culvert No. M6/1  
Size : 1/33/0  
Chainage : 65580  
Imp Type : Re-Construction

Proposed Box Culvert No. M6/2  
Size : 1/66/1  
Chainage : 65820  
Imp Type : Re-Construction

200 CSRD : 250 WND4 : R5.13445A + 401 HIC

200 CSRD : 250 WND4 : R5.13445A + 401 HIC

STATION ELEVATION

Q+7.500

Q+7.000

Q+6.500

Q+6.000

Q+5.500

Q+5.000

Q+4.500

Q+4.000

Q+3.500

Q+3.000

Q+2.500

Q+2.000

Q+1.500

VERTICAL

A=2.200m

L=2.000m

R=1.500m

L=1.500m

APPROX. H

L=1.500m

ALIGNMENT

L=1.500m

PARKING

L=1.500m

Datum

1211.14

1211.635

1214.269

1214.895

1215.515

1216.127

1216.733

1217.331

1217.923

1218.506

1219.083

1219.653

1220.216

PREVIOUS ROAD

1220.890

1221.772

1221.320

1221.862

1222.396

1222.923

1223.444

1223.957

1224.463

1224.962

1225.453

1225.940

1226.477

LEVELS

1226.077

1226.676

1227.286

1227.876

1228.476

1229.076

1229.676

1230.276

1230.876

1231.476

1232.076

1232.676

1233.276

EXISTING GROUND

1233.822

1234.422

1235.022

1235.622

1236.222

1236.822

1237.422

1238.022

1238.622

1239.222

1239.822

1240.422

1241.022

LEVELS

1241.622

1242.222

1242.822

1243.422

1244.022

1244.622

1245.222

1245.822

1246.422

1247.022

1247.622

1248.222

1248.822

HORIZONTAL

1249.422

1249.922

1250.422

1250.922

1251.422

1251.922

1252.422

1252.922

1253.422

1253.922

1254.422

1254.922

1255.422

LEVELS

1255.922

1256.422

1256.922

1257.422

1257.922

1258.422

1258.922

1259.422

1259.922

1260.422

1260.922

1261.422

1261.922

LEVELS

1262.422

1262.922

1263.422

1263.922

1264.422

1264.922

1265.422

1265.922

1266.422

1266.922

1267.422

1267.922

1268.422

LEVELS

1268.922

1269.422

1269.922

1270.422

1270.922

1271.422

1271.922

LEGEND:

JOURNAL OF  
REVIEW

KULOKIANG



K & J Projects, P.O. 141  
48141-57000 • Summers & Crenshaw, Inc.  
2000 • 1000 • 800 • 600 • 400 • 200

**Project Name:** Consultancy Services for preparation of Detailed Project report for  
**Joram-Kokrajang Road from Km 70.00 to Km 138.00 Length = 68 Km**  
**Arunachal Pradesh under SARDP-NE on EPC Mode**

144

Drug Name: **Metformin Hydrochloride** Version 2.7

LEGEND

JORMAN

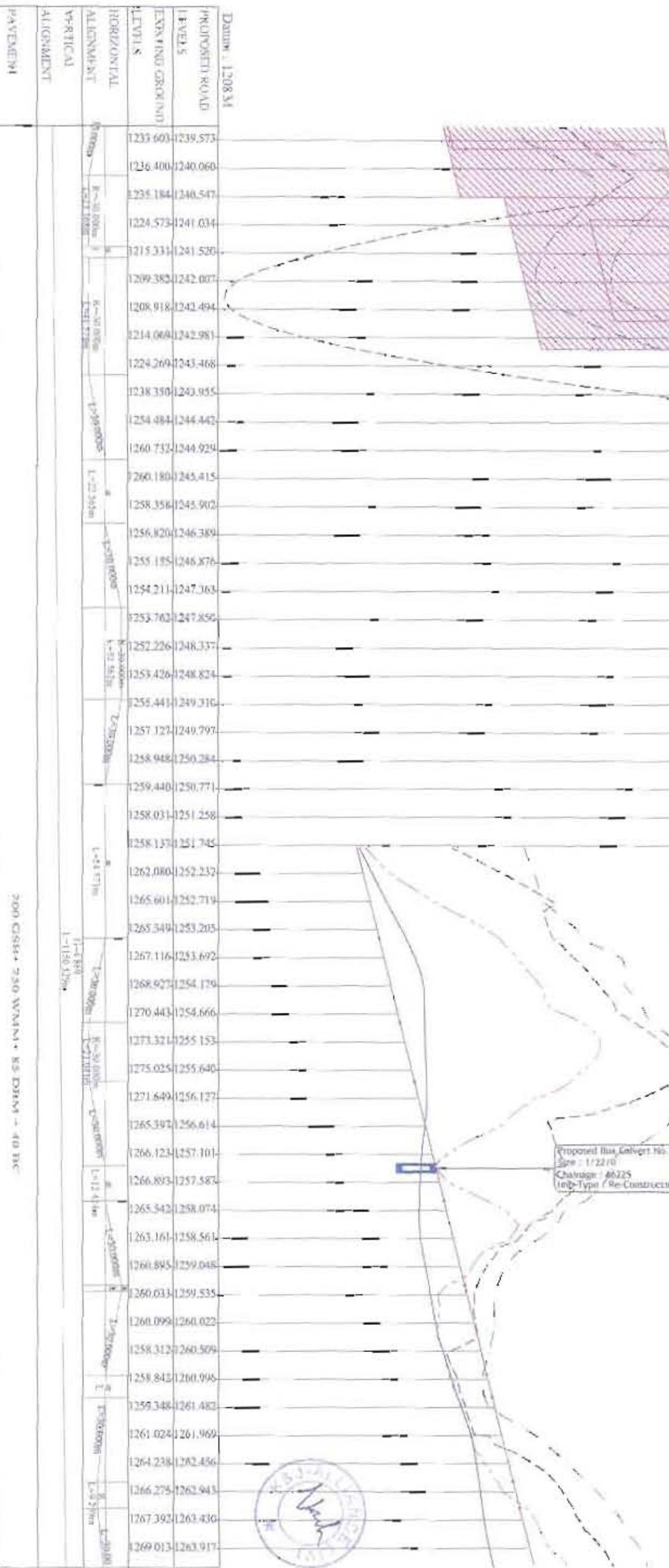
KOLORIANG

28

<b>PROFILE:</b>	
ROAD LEVELS	—
FAIR ROAD LEVEL	—
DEAD LEVEL	—
LEFT EDGE LEVEL	—
RIGHT EDGE LEVEL	—
VERT. TANGENT POINT	—
SINKET WALL	■
RETAINING WALL	▨

Datum : 1208.81

Proposed Bus Shelter No. 6771  
Site : 1/22/0  
Chavrage : 66225  
Intg-Type / Re-Construction



Client: E & J Projects Pvt. Ltd  
Consultant: Almact Engineering & Construction (Pvt) Ltd  
Project Name: Consultancy Services for preparation of Detailed Project Report for 2-Laning of Arunachal Pradesh under SARDP-NE on EPC Mode



Address: 104, Sector 10, Noida, UP - 201301  
Phone: +91 98100 12345  
Email: info@ejprojects.in

Scale: 1:50000  
Drawing No.: 1/22/0  
Drawing Date: 10/10/2010  
Drawing Type: Topographic Survey  
Drawing Status: Pending Review

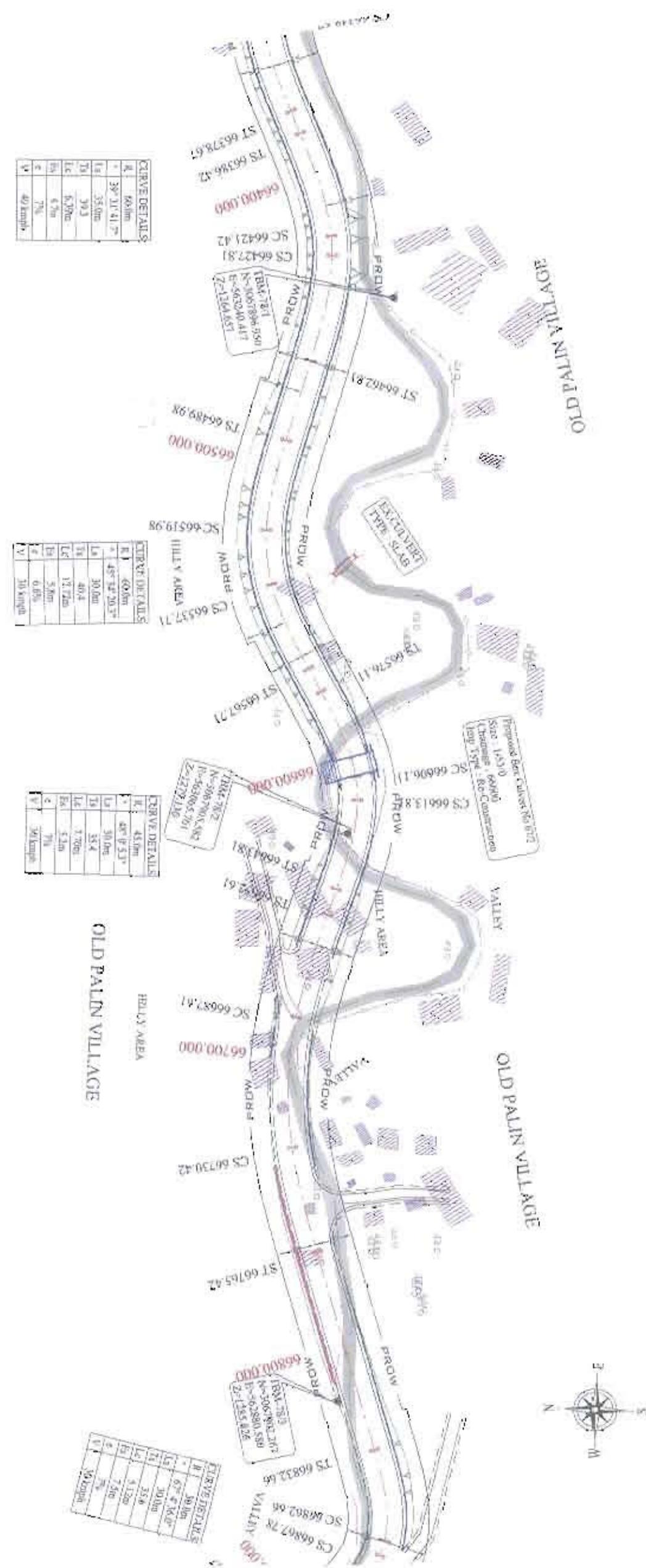
LESSON

JORAM

KOLOKRIANG

**LEGEND:**

PLAN		REMOVED
EXISTS		TOE LINE
---		SH. EDGE
---		CURVAGE
---		CEN. LINE
---		CANYON
---		TOE LINE
---		HORN TANGENT PT.
---		FROM R/W/W
---		OPEN DRAIN
---		FENCELINE
---		BRIDGE
---		BREAKAWAY WALL
---		RETAINING WALL
---		BOX CULVERT
---		RIVER
---		EX.BRIDGE
---		CULVERT
---		DRIVE
---		GROSS ROAD
---		RESIDENTIAL (EA POS)
DEF		DEF
TOP		TOP
STRUCTURE		STRUCTURE
---		ENCLOS
---		RETAINING WALL
---		BREAST WALL



**Consultant:** K & J Projects Pvt Ltd  
**Address:** Begumpet & Inter  
Sathayam Building, 2nd Floor  
Plot No. 12250, Lalgudi, 600018

**Project Name:** Consultancy Services for preparation of Detailed Project report for 2-Laning of Jordan-Kolarang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of Arunachal Pradesh under SARDP/NE on EPC Mode

	Plan	Do
Package : 1	Город : Канада 360 из 500 65%	85%





LEGEND:

JORAM

KOLORIANG

TOE LINE  
PROPOSED

SHEDOE  
CROWN

CEN LINE  
SLOPE

W.E.D.E.  
TOP LINE

HORN ANGLE  
HORN ANGLE

PROPOSED FLOW  
OPEN DRAIN

FOOTPATH  
BRIDGE

BLOCK  
CULVERT

STEADY WALL  
RETAINING WALL

LEGEND:  
PLAN:

EXISTING:

CROSS

CENTER

UPGRADE

EXISTING

RIVER

VALLEY

EXCAVATE

DRAIN

CUTTING

DRAW

CROSS ROAD

CLIP

EP

TRI

STRUCTURE

FENCE

RETAINING WALL  
EROSION PROT.

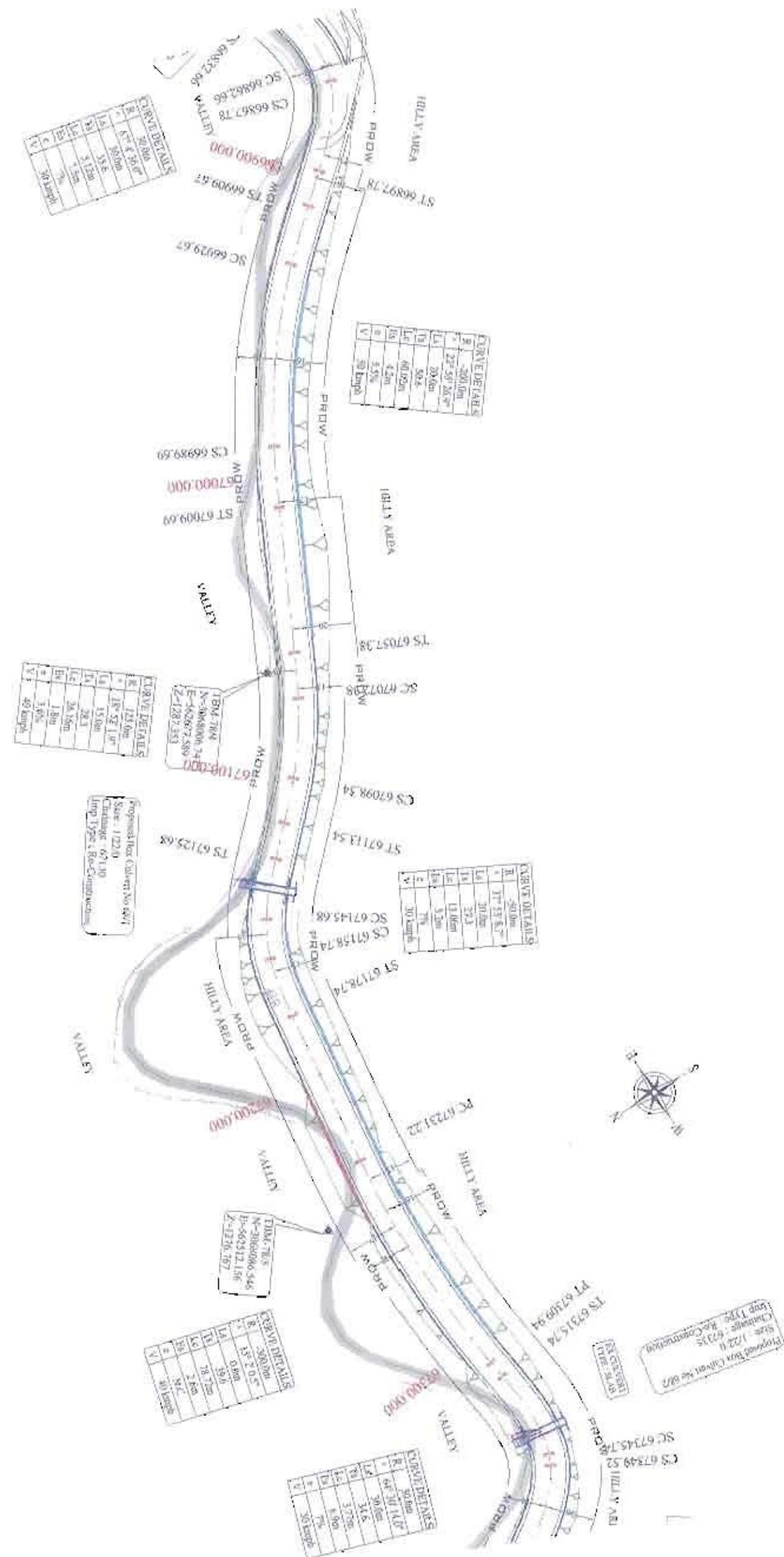


K & J Projects Pvt Ltd.  
Amitava Engineers & Consultants (IV)  
Kamini Bhawan, Sector - 10, Arunachal Pradesh  
Pin - 786001  
Email: amitava@kjpvtltd.com

Project Name: Consultancy Services for preparation of Detailed Project Report for 2-Laning of  
Arumati-Koloriang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of  
Arunachal Pradesh under SARDP-NE in EPC Mode

Package - 1 : From : Km 70.00 to Km 73.60  
Dwg No.: K&J/ECN/Road&Pwys/31  
Scale: 1:10000  
Date: 10/09/2010  
Ver: 1

Proposed Box Culvert No. 40/1  
Size: 12x2.0  
Chaining: 67110  
Imp. Type: Box Culvert width: 2-12.76.167  
R-12.76.167



## LEGEND:

<b>PROFILE</b>	
PROPOSED ROAD	PROPOSED ROAD
EXISTING GROUND	EXISTING GROUND
LEVELS	LEVELS
RIGHT SIDE PAV.	RIGHT SIDE PAV.
VEH. TUNNELS & CUL.	VEH. TUNNELS & CUL.
WALLS	WALLS
SOIL CUTTING WALL	SOIL CUTTING WALL

JORAM

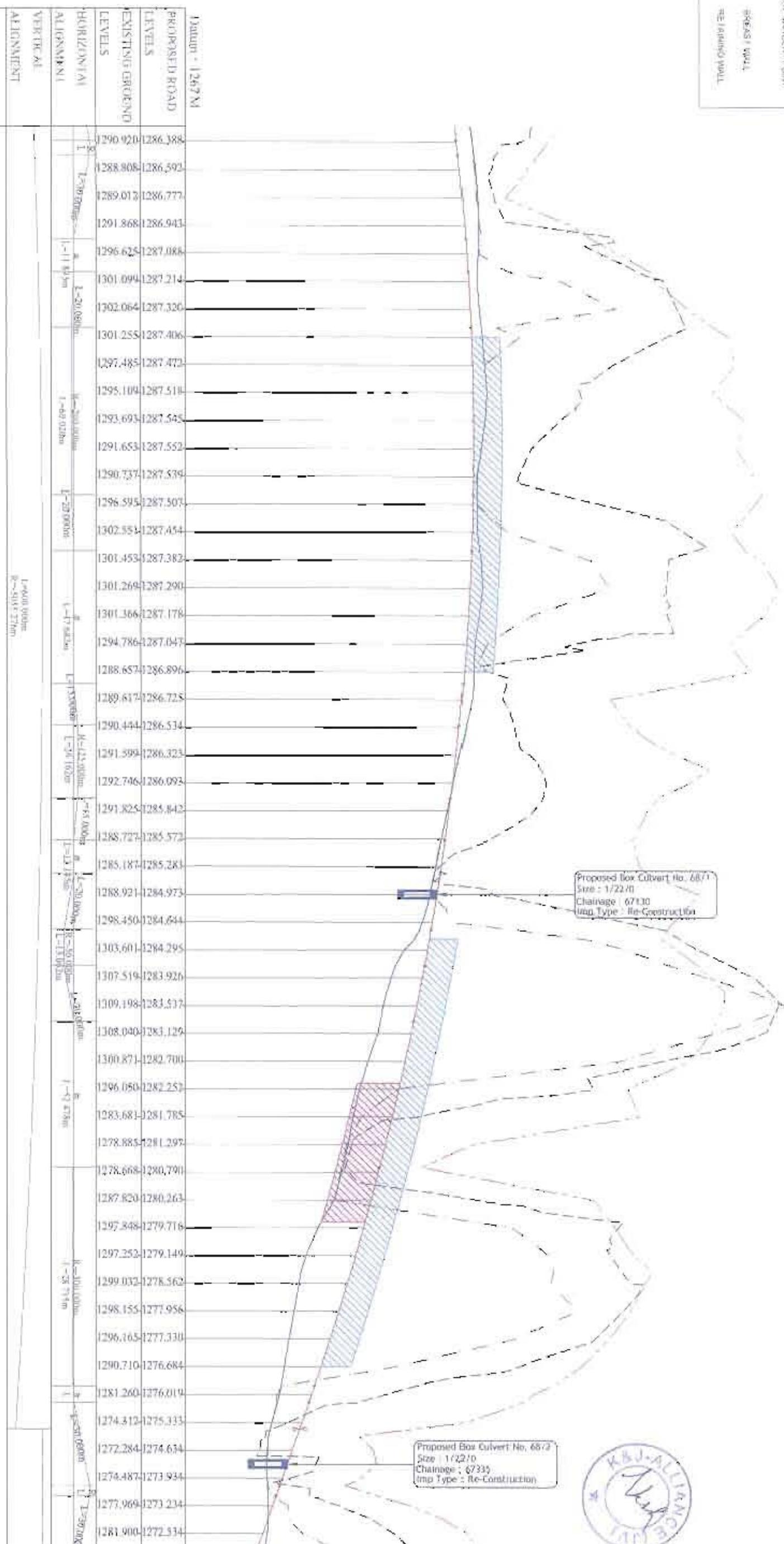
KOLORIANG

12



Proposed Box Culvert No. 66/1  
Size : 1/22/10  
Chaining : 67130  
Imp Type : Re-Construction

Proposed Box Culvert No. 66/2  
Size : 1/22/10  
Chaining : 67335  
Imp Type : Re-Construction



ADORN  
Engineering Services Pvt. Ltd.  
M/s. Adorn Engineering Services Pvt. Ltd.  
Plot No. 22, Sector 12, Noida - 201301  
(Established 1998)



K & J Projects Pvt. Ltd.

Alpine Engineers & Consultants (P) Ltd.

1/22/10

Project Name : Consultancy Services for preparation of Detailed Project report for 2-Laning of

Joram-Kulochang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of

Arunchal Pradesh under SARDP-NE on EPC Mode

Taskage : E From : Km 66.864 to Km 67.360

1/22/10

### LEGEND:

PLAN - ELEVATION

STRAIGHT LINE

ON ELEV.

ON ELEV.

CURVING

OPENING

CROSS

SHADE

THE LINE

HIGH LEVEL

LOW LEVEL

OPEN GATE

CLOSED GATE

BRIDGE

WALL

RETAINING WALL

### LEGEND:

EXISTING

CURVE

CROSS ROAD

RIVER

EXCAVATE

CUTTING

DRAIN

CROSS ROAD

FLASH FLOOD

STRUCTURE

PARKING

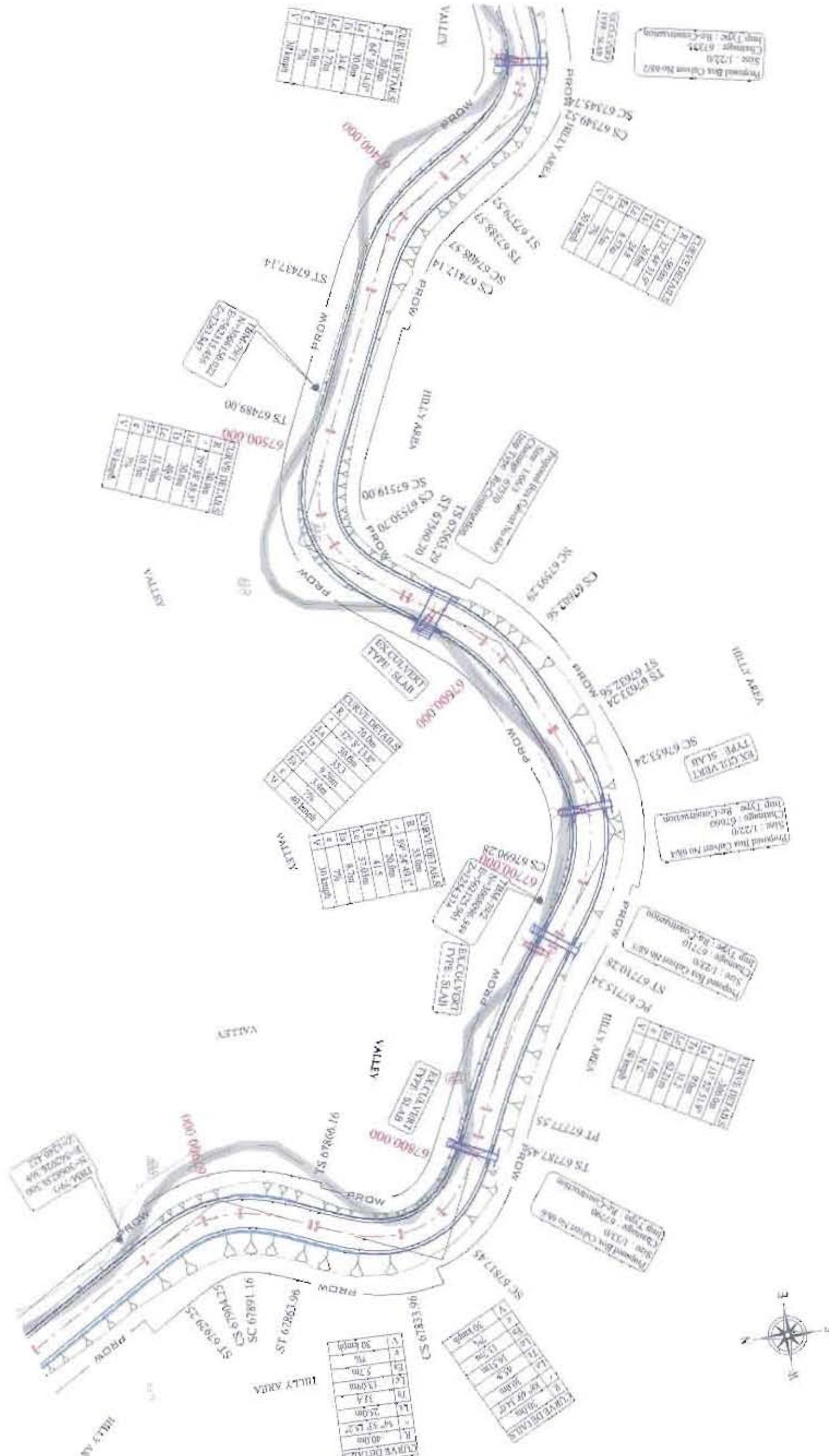
GATE

REFLECTIVE WALL

TOP

### JORAM

### KOLORIANG



K & J Projects Pvt. Ltd.  
Arunachal Engineers & Consultants (P) Ltd.



Project Name Consultancy Services for preparation of Detailed Project report for 2-Laning of  
Joram-Koloriang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of  
Arunachal Pradesh under SARDP-NE on EPC Mode

Plan	
Org No: K&JECPL Road Engg 113	Scale 1:5000 30m 12 0 25

Package :- From :- Km 67.50 to Km 67.80  
Scale 1:5000 30m 12 0 25



**LEGEND**

KOLORIANG

**LEGEND :**

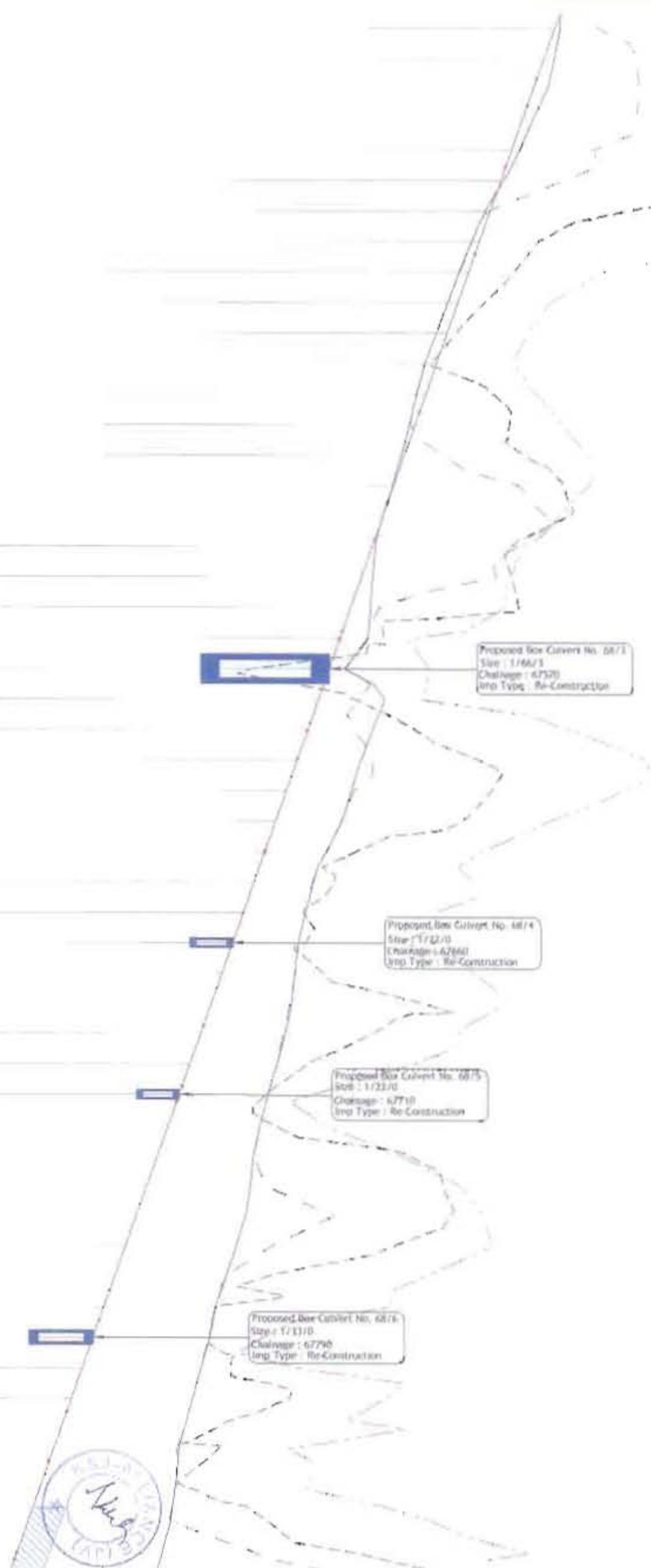
**PROFILE:**

- profile level lines
- — — exact road line
- road left at 8000 ft.
- left for lava
- right to lava
- via volcanic point

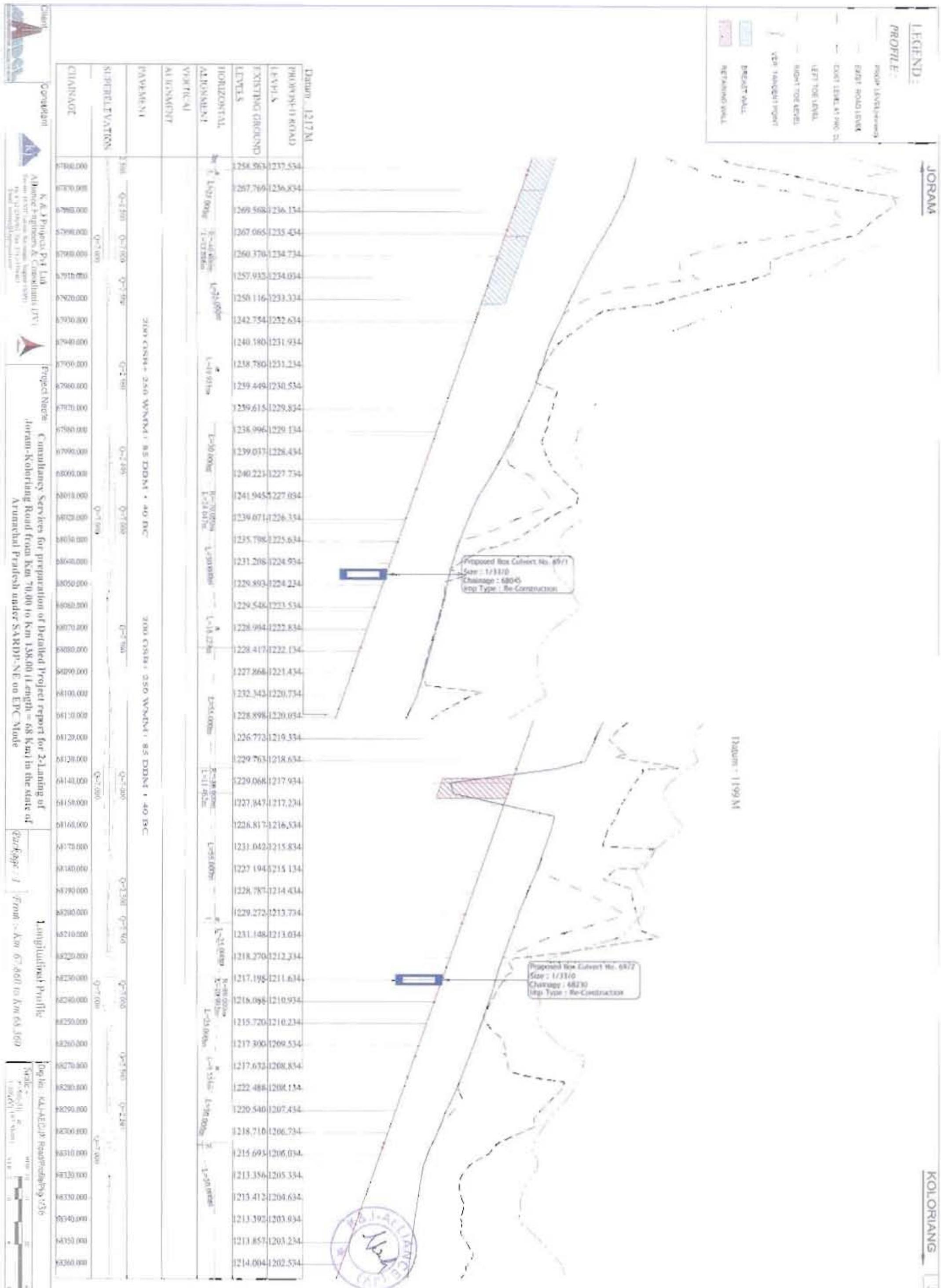
**HEZAT WALL**

**WEARABLES**

**JORAM**









A. J. Ringer Engineers & Consultants  
P.O. Box 111, Laramie, Wyoming 82070-0111  
(307) 742-6400, Fax (307) 742-6401  
[www.ringer.com](http://www.ringer.com)

Infrastructure Development Project Report for a section of  
Ingram-Kotwaria Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of  
Arunachal Pradesh under SARDP-NE on EPC Mode

```
Package : I
FROM : <km@kvm88.km.ky>
```

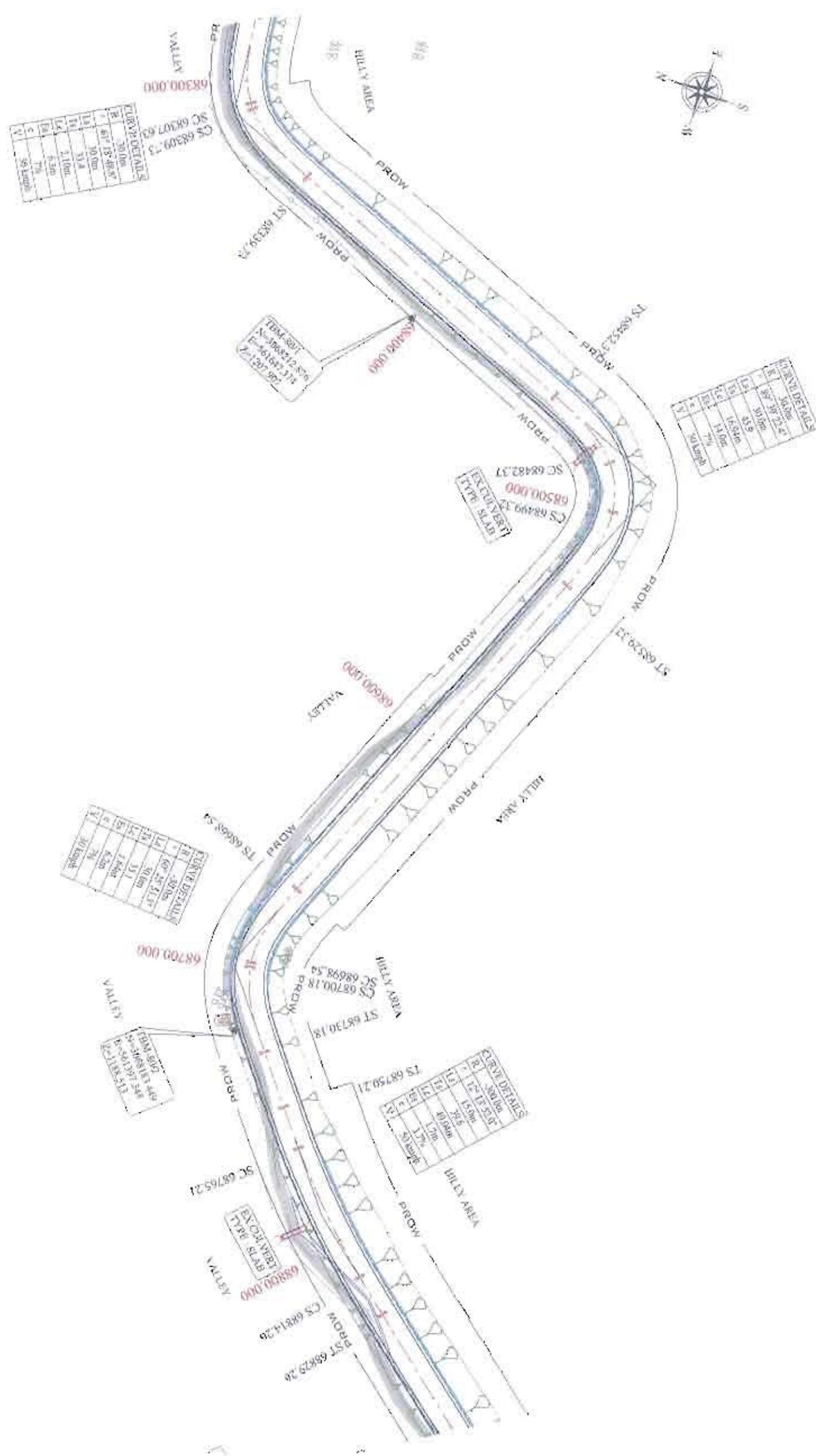
## LEGEND

JOKAM

KEY

The legend contains 18 entries, each with a symbol and a description:

- PLAN:** PRECIPICE
- TERRAIN:** TOE LINE
- TOE LINE:** SHEDGE
- SHEDGE:** C/W EDGE
- C/W EDGE:** OPEN LINE
- OPEN LINE:** C/M EDGE
- C/M EDGE:** SHEDGE
- SHEDGE:** PROW
- PROW:** OPEN DRAIN
- OPEN DRAIN:** FOOTPATH
- FOOTPATH:** BRIDGE
- BRIDGE:** BOX CULVERT
- BOX CULVERT:** SHEAR WALL
- SHEAR WALL:** RETAINING WALL
- RETAINING WALL:** EXIST ROAD
- EXIST ROAD:** RIVER
- RIVER:** EX BRIDGE
- EX BRIDGE:** CULVERI
- CULVERI:** DRAIN
- DRAIN:** CROSSLINK
- CROSSLINK:** ADAPTER POST
- ADAPTER POST:** E.P.
- E.P.:** E.D.
- E.D.:** E.T.T.
- E.T.T.:** STRUCTURE
- STRUCTURE:** FENCING
- FENCING:** RETAINING WALL
- RETAINING WALL:** BREECH WALL





**LEGEND:**

JORAM

KOLORIANG

K. & J. Projects Pvt. Ltd.  
Alliance Engineers & Consultants (P)  
vtions (P) Ltd., P.O. Box No. 1000  
M. S. R. Nagar, Hyderabad, A.P. 500 030

**Project Name:** Consultancy Services for preparation of Detailed Project report for 2- lane carriageway of the proposed stretch of the State Highway No. 10 (NH 10) from Km 70.00 to Km 138.00 (Length = 68 Km) in the Arunachal Pradesh under SARDP-NE on EPC Mode

Plano  
Dug No. 1  
Sect. 1  
Cass Co., Iowa

Eng No. K & L EQUIL Read/Pumpng H 39

**PROFILE:**

- HIGH LEVEL (Walls)
- FAULT RADIATION
- EJECT LEVEL AT END OF
- LEFT TOP (EGL)
- RIGHT TIDE LEVEL

View Manager  
 Retaining wall

Proposed Box Culvert No. 69/3  
Size : 17x3x7  
Change : 69/35  
Imp Type : In Construction



Datum : 1147 M

(HARDWOOD ROAD)

LEVELS

EXISTING GROUND

LEVELS

HORIZONTAL

ALIGNMENT

VERTICAL

ASPECTS

PAVEMENT

SLOPES

CLAYAGE

FALLS

SINTERED

PENETRATION

PENETRATION

PENETRATION

PENETRATION

PENETRATION

1190.285

1187.519

1186.262

1185.083

1183.737

1179.961

1176.906

1175.395

1172.943

1170.878

1168.368

1166.254

1167.116

1160.735

1157.763

1151.839

1146.934

1166.134

1165.434

1164.234

1160.034

1158.434

1156.934

1155.534

1154.934

1153.534

1152.034

1150.534

1149.034

1147.534

1146.034

1144.534

1143.034

1185.737

1183.737

1182.617

1180.593

1178.478

1175.395

1172.943

1170.878

1168.368

1166.254

1167.116

1160.735

1157.763

1151.839

1146.934

1179.961

1176.906

1175.395

1172.943

1170.878

1168.368

1166.254

1167.116

1160.735

1157.763

1151.839

1146.934

1176.906

1173.234

1170.534

1168.835

1166.334

1164.834

1163.334

1161.834

1159.334

1157.834

1151.934

1149.866

1148.366

1146.867

1145.367

1143.867

1175.395

1172.943

1170.878

1168.368

1166.254

1167.116

1160.735

1158.434

1156.934

1154.434

1152.934

1151.434

1149.934

1148.434

1146.934

1145.434

1172.943

1170.878

1168.368

1166.254

1167.116

1160.735

1158.434

1156.934

1154.434

1152.934

1151.434

1149.934

1148.434

1146.934

1145.434

1170.878

1168.368

1166.254

1167.116

1160.735

1158.434

1156.934

1154.434

1152.934

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1149.934

1148.434

1146.934

1145.434

1168.368

1166.254

1167.116

1160.735

1158.434

1156.934

1154.434

1152.934

1151.434

1149.934

1148.434

1146.934

1145.434

1167.116

1160.735

1158.434

1156.934

1154.434

1152.934

1151.434

1149.934

1148.434

1146.934

1145.434

1160.735

1158.434

1156.934

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1148.434

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1148.434

1146.934



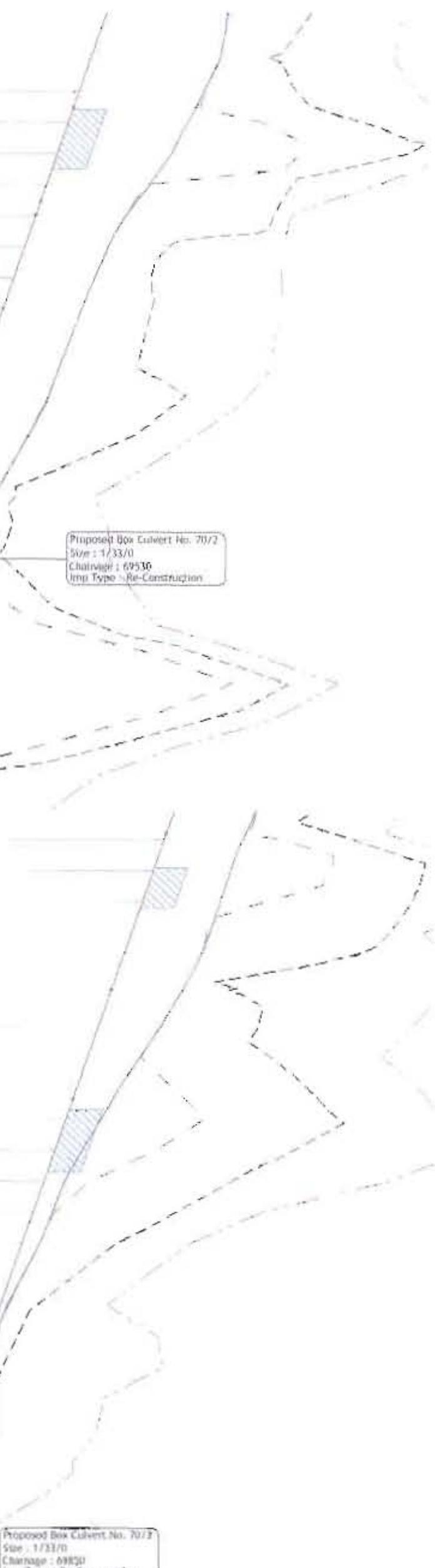
**LEGEND:**  
**PROFILE:**

- Elevation
- East Side Slope
- Left Side Slope
- Right Tilt Line

VERT TANGENT POINT

BREAST WALL

RETAINING WALL

**JORMAM**

Datum : 1112 M	
PROPOSED ROAD LEVELS	
EXISTING (OLD) LEVELS	
LEVELS	
HORIZONTAL	
ALIGNMENT	Vertical Alignment
VERTICAL ALIGNMENT	
PAVEMENT	SL : 85 DESIGN - 40 H.C.
Slope Indication	
0-5% (+5%)	
0-7% (+7%)	
0-9% (+9%)	
0-11% (+11%)	
0-13% (+13%)	
0-15% (+15%)	
0-17% (+17%)	
0-19% (+19%)	
0-21% (+21%)	
0-23% (+23%)	
0-25% (+25%)	
0-27% (+27%)	
0-29% (+29%)	
0-31% (+31%)	
0-33% (+33%)	
0-35% (+35%)	
0-37% (+37%)	
0-39% (+39%)	
0-41% (+41%)	
0-43% (+43%)	
0-45% (+45%)	
0-47% (+47%)	
0-49% (+49%)	
0-51% (+51%)	
0-53% (+53%)	
0-55% (+55%)	
0-57% (+57%)	
0-59% (+59%)	
0-61% (+61%)	
0-63% (+63%)	
0-65% (+65%)	
0-67% (+67%)	
0-69% (+69%)	
0-71% (+71%)	
0-73% (+73%)	
0-75% (+75%)	
0-77% (+77%)	
0-79% (+79%)	
0-81% (+81%)	
0-83% (+83%)	
0-85% (+85%)	
0-87% (+87%)	
0-89% (+89%)	
0-91% (+91%)	
0-93% (+93%)	
0-95% (+95%)	
0-97% (+97%)	
0-99% (+99%)	
0-00% (+00%)	

**Chord**  
**Consultant**  
**Project Name:** Consultancy Services for preparation of Detailed Project report for 2-Laneing of Arunachal Pradesh under SARDIP-NET mode

**Longitudinal Profile**  
 Log No K & J AEC/PE RoadProfilo Pg 142  
 Scale : 1:10000 (1mm = 100m)  
 100m (1mm = 100m)

 0-00%  
 0-00%





**LEGEND:**

**PLAN:** PAVED

— Hatched line: 10m LINE.

— Dashed line: SHOALS.

— Solid line: CROPS.

— Dotted line: CROPS.

— Dashed line: SHOALS.

— Dotted line: TOP LINE.

— Dashed line: HORN RADIANT PT.

— Dashed line: POND ROW.

— Dashed line: DITCH/DRAIN.

— Solid line: FOOTPATH.

— Hatched line: BRIDGE.

**JORMAM**

**KOLORIANG**



**LEGEND:**

**PLAN:** EXISTING

— Dashed line: CROPS.

— Dotted line: CROPS.

— Solid line: EAST ROAD.

— Solid line: NORTH.

— Hatched line: EXCAVATION.

— Dashed line: DITCH.

— Dotted line: DRAIN.

— Solid line: CROSS ROAD.

— Solid line: TOWER/HOUSE.

— Solid line: D.F.P.

— Solid line: ER.

— Hatched line: STRUCTURE.

— Dashed line: FISHING.

— Dotted line: AGRICULTURAL AREA.

— Solid line: BREAST WALL.

**LUNGBA VILLAGE**

VALLEY

CS

TS

SC

ST

TS

SC

SC

TS

SC

LEGEND : JORAM

<b>PROFILE.</b>	
PROP. ELEVATIONS	
EXIST. ROAD LEVEL	
LEFT SIDE LEVEL	
RIGHT SIDE LEVEL	
W.E. TERRAIN SURF.	
BREAST WALL	
RETAINING WALL	

KOLORIANG 15

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Chains	Consultant	E & J Projects Pvt. Ltd Almora Engineers & Consultants (P) Ltd www.almorae.com No. 11, Sector 1, Almora - 263001 Email: info@almorae.com	Project Name	Consultancy Services for preparation of Detailed Project report for 2-Laning of Koloriang Road from Km 70.00 to Km 138.00 (Length = 68 Km) in the state of Arunachal Pradesh under SARDP-NE on EPC Mode
Pavement			200 C.S.H + 250 W.M.M + 85 D.P.M + 40 DC	
Surfacing		Q-160	Q-160	
Chapage			Q-160	
Datum :	1042 M			
PROPOSED ROAD				
LEVELS				
EXISTING GROUND	1071.026	1062.534		
LEVELS	1064.833	1061.834		
HORIZONTAL	1067.199	1061.134		
ALIGNMENT	1069.529	1060.434		
VERTICAL	1072.741	1059.734		
ALIGNMENT	1072.413	1059.034		
	1070.085	1058.334		
	1072.012	1057.634		
	1071.634	1056.934		
	1067.398	1056.234		
	1061.284	1055.534		
	1059.580	1054.834		
	1059.372	1054.134		
	1059.664	1053.434		
	1063.640	1052.734		
	1063.961	1052.034		
	1063.370	1051.334		
	1062.054	1050.634		
	1062.915	1049.934		
	1062.614	1049.234		
	1062.715	1048.534		
	1062.288	1047.834		
	1058.164	1047.134		
	1058.839	1046.434		
	1058.874	1045.734		
	1057.711	1045.034		
	1054.963	1044.334		
	1052.576	1043.634		
	1051.279	1042.934		
	1049.982	1042.234		
	1049.872	1041.534		
	1049.441	1040.834		
	1050.647	1040.134		
	1055.879	1039.434		
	1056.857	1038.734		
	1054.284	1038.034		
	1048.789	1037.334		
	1045.636	1036.634		
	1043.338	1035.934		
	1041.351	1035.234		
	1039.417	1034.534		
	1037.913	1033.834		
	1037.358	1033.134		
	1037.207	1032.434		
	1037.936	1031.734		
	1039.811	1031.034		
	1040.905	1030.334		
	1040.835	1029.634		
	1040.491	1028.934		
	1041.712	1028.234		
	1040.105	1027.534		



Proposed Box Culvert No. 71/2  
Size : 1022.0  
Date : 1/33/0  
Imp Type : Re-Construction

Proposed Box Culvert No. 71/3  
Size : 1022.0  
Date : 1/33/0  
Imp Type : Re-Construction



Draft No. 1022.0  
Scale : 1:50000  
1 km  
100 m  
10 m

Longitudinal Profile  
Degree : 0.625  
Kilometer : 0.000  
Chainage : 70470  
Elevation : 1054.834



LEGEND:

JORAM

KOLRIANG

48

	PROPOSED LINE/SEGMENT
	EXISTING ROAD/EVE
	ELDER LEVEL AT 2000 FT
	LEFT TOE LEVEL
	RIGHT TOE LEVEL
	W.E. TANGENT POINT
	BREAST WALL
	RETAINING WALL

Proposed Box Culvert No. 72/1  
Size : 1/43/0  
Chassis : 71120  
Imp. Type : Re-Construction

Proposed Box Culvert No. 72/2  
Size : 1/66/3  
Chassis : 71230  
Imp. Type : Re-Construction



Distum	1006 M	PROPOSED ROAD
LEVELS		
X-XISTING GROUND LEVELS		1040.105/1027.534
Y-YMPLANE		1038.338/1026.834
Z-ZERO FLOOR LEVEL		1039.391/1026.134
LEVELS		1036.226/1025.434
HORIZONTAL		1033.534/1024.734
ALIGNMENT		1026.754/1024.034
VERTICAL		1031.422/1023.334
ALIGNMENT	1-359000	1-359000m
PAVEMENT	0-2140	
SUPER ELEVATION	0-21300	
CHASING	0-21300	
PARTITION		
		200 CSDR + 2500 WCDR + 8.5 TDENS = 400 PHC
		L=100.00m
		L=200.00m
		L=300.00m
		L=400.00m
		L=500.00m
		L=600.00m
		L=700.00m
		L=800.00m
		L=900.00m
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		L=1500.00m
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		L=3200.00m
		L=3300.00m
		L=3400.00m
		L=3500.00m
		L=3600.00m







**LEGEND:**

二〇四

PRES. LIVELIHOOD

中華書局影印

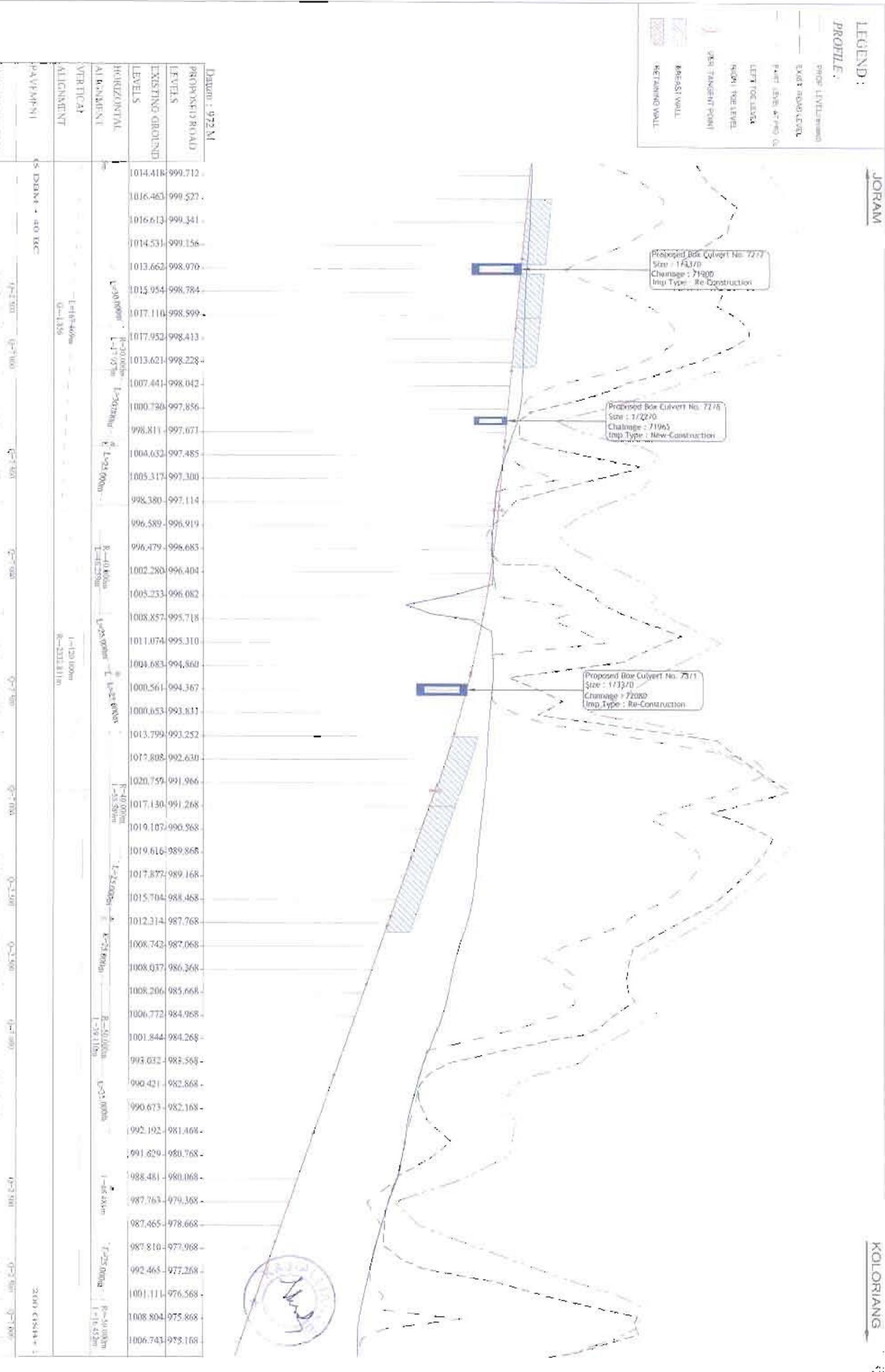
SIGN THE LEVEL

THE WALL STREET JOURNAL

✓ Culvert No. 7217  
D  
1900  
late Construction

Proposed Bed Culvert No. 77/5  
Size : 7' x 20'  
Chalenge : 7/1963  
Imp. Type : New Construction

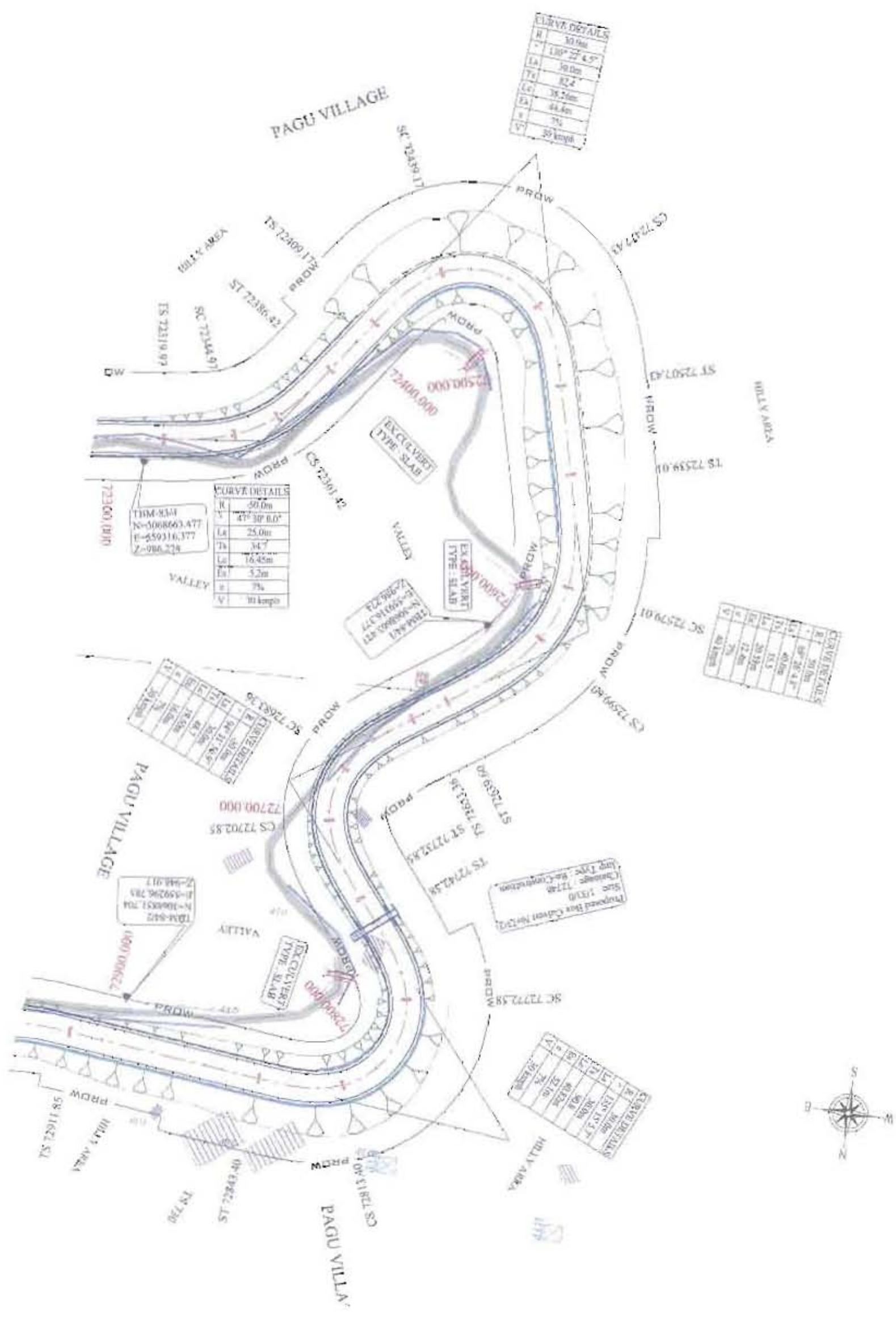
Proposed Box Culvert No. 73/1  
Size : 113'0"  
Crinage : 7200'  
Imp. Type : Re-Construction



LEGEND:

KOLORIANG

LEGEND:	
PLAN:	PHOTOGRAPH
LINELINE	VS. LINE
— — — — —	WEDGE
— — — — —	CERV LINE
— — — — —	CWEDGE
— — — — —	EDGE
— — — — —	BACORE
=====	TOE LINE
====	HGT. LINE/SET
— — — — —	PROFIL
— — — — —	OPEN DRAWS
— — — — —	FOOTPATH
	DRUGS
	BOX CLEVERT
— — — — —	BREAST WALL
— — — — —	DATA/BREAK
LEGEND:	LISTING
PLAN:	CWEDGE
— — — — —	EN LINE
— — — — —	CWEDGE
— — — — —	EAST ROAD
— — — — —	HOVER
— — — — —	EX.BRIDGE
— — — — —	CL.VERT
— — — — —	CRAN
— — — — —	CROSS GROVE
— — — — —	W/W GATE/FAUCET
— — — — —	EP
— — — — —	EP
— — — — —	HT
— — — — —	MACHINE
— — — — —	PATIOS
— — — — —	RETAINING WALL
— — — — —	UPCAST WALL







LEGEND:

32

ENGINES



## LEGEND

## PROFILE

PROM. ELEVATION  
EDGES ROAD LEVEL  
LAST LEVEL & PING LINE  
LEFT TOP LEVEL  
RIGHT TOP LEVEL

NER TANGENT POINT



BUCKET WALL

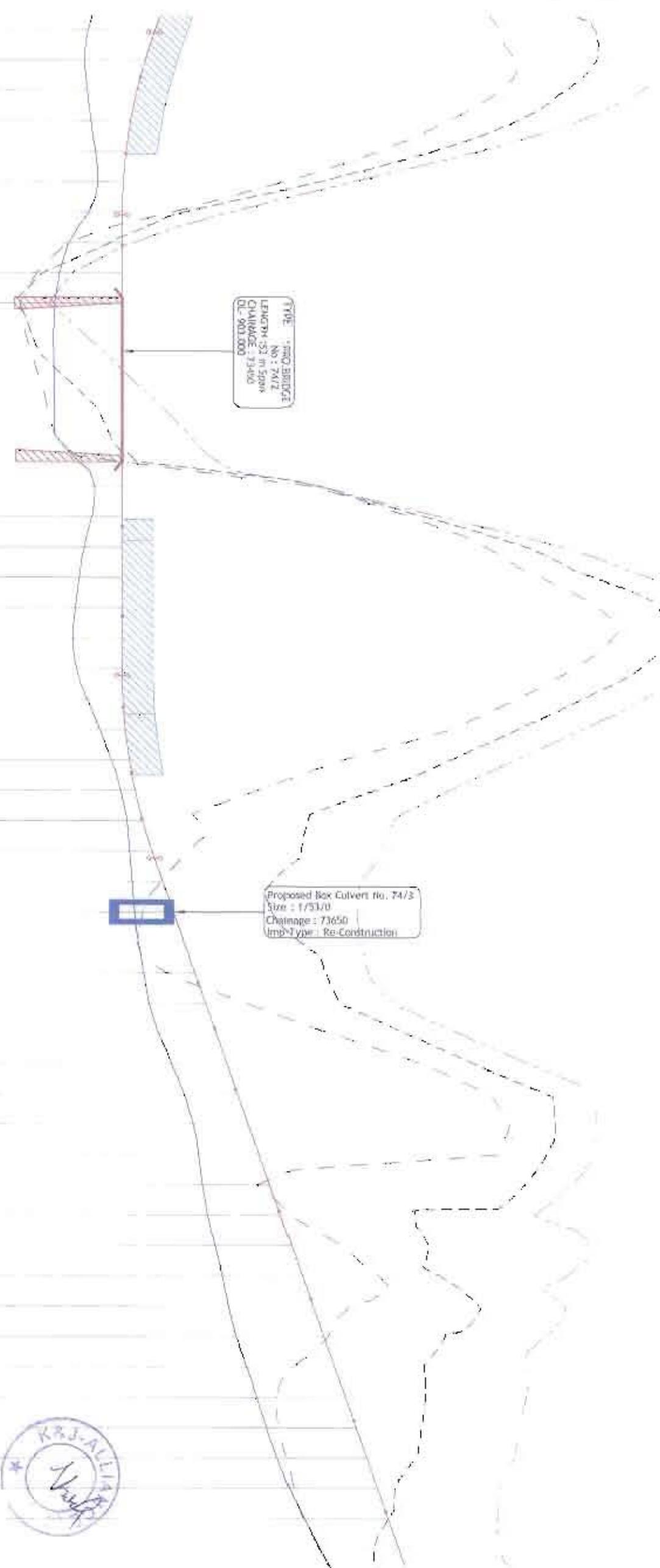


RETAINING WALL

JORAM

KOLORIANG

58



Datum : 894 M	
<b>PROPOSED ROAD LEVELS</b>	
73360.000	905.168
73370.000	904.516
73380.000	903.960
73390.000	903.560
73400.000	903.257
73410.000	903.070
73420.000	903.001
73430.000	903.000
73440.000	903.000
73450.000	903.000
73460.000	903.000
73470.000	903.000
73480.000	903.000
73490.000	903.000
73500.000	903.000
73510.000	903.000
73520.000	903.000
73530.000	903.000
73540.000	903.000
73550.000	903.000
73560.000	903.000
73570.000	903.035
73580.000	903.035
73590.000	903.183
73600.000	903.448
73610.000	903.830
73620.000	904.128
73630.000	904.943
73640.000	905.640
73650.000	906.340
73660.000	907.040
73670.000	907.740
73680.000	908.440
73690.000	909.140
73700.000	909.840
73710.000	910.540
73720.000	911.240
73730.000	911.940
73740.000	912.640
73750.000	913.340
73760.000	914.040
73770.000	914.740
73780.000	915.440
73790.000	916.140
73800.000	916.840
73810.000	917.540
73820.000	918.240
73830.000	918.940
73840.000	919.640
73850.000	920.340
73860.000	921.040

SLOPES

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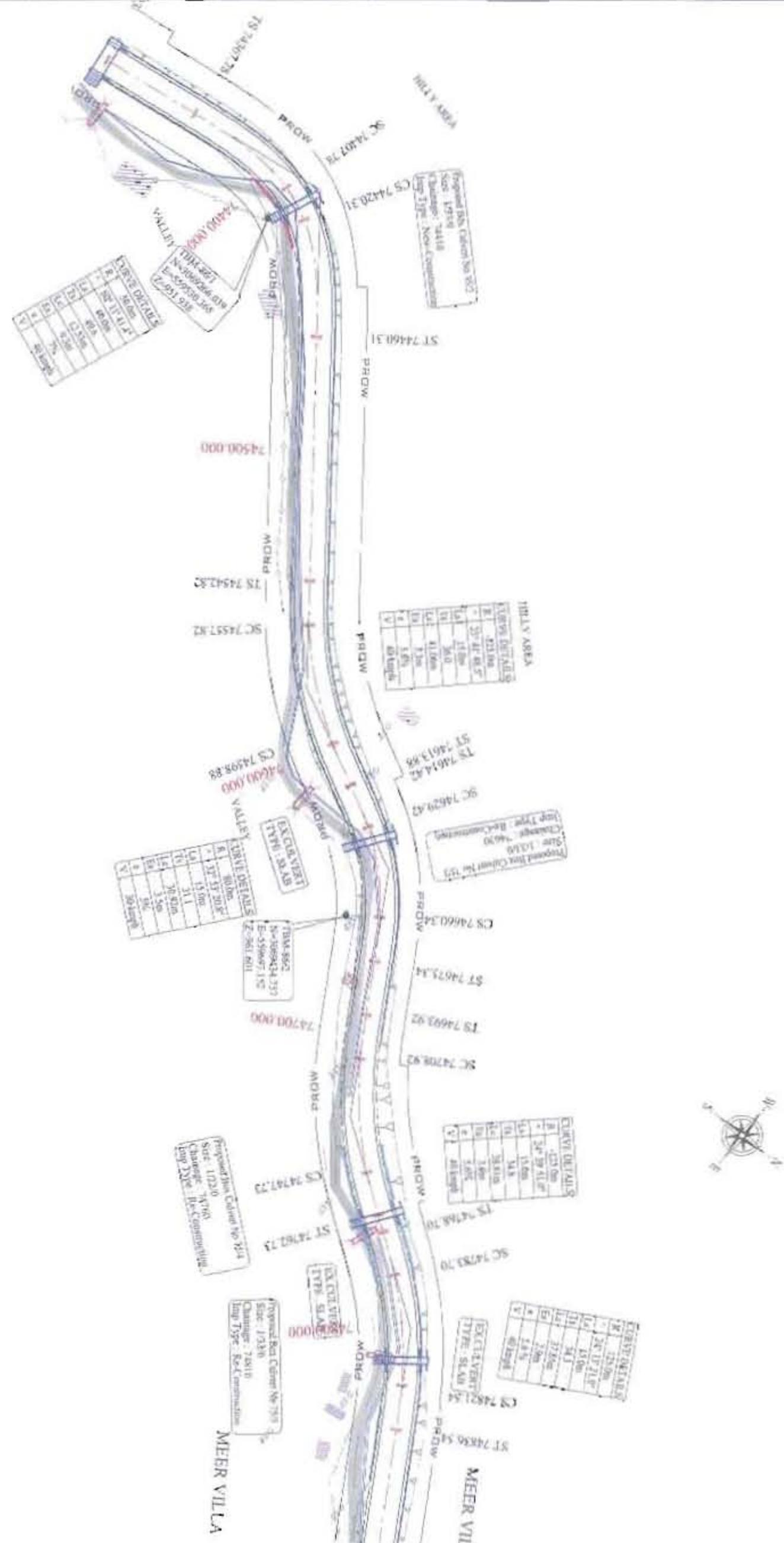
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**LEGEND**

Joram



KOLORIANG

19

**E&J Projects Pvt. Ltd.**  
Engineering  
Consultants  
A Division of E&J Group of Companies  
"Engineering & Management"  
www.ejgroup.com

**Project Name:** Consultancy Services for preparation of Detailed Project report for 2-Laning of Jorain-Kulorlang Road from Km 78.00 to Km 138.00 (Length = 60 Km) in the state of Arunachal Pradesh under SARDP-NE on EPC Mode.

Package 1



JORAM

KOLORIANG

62

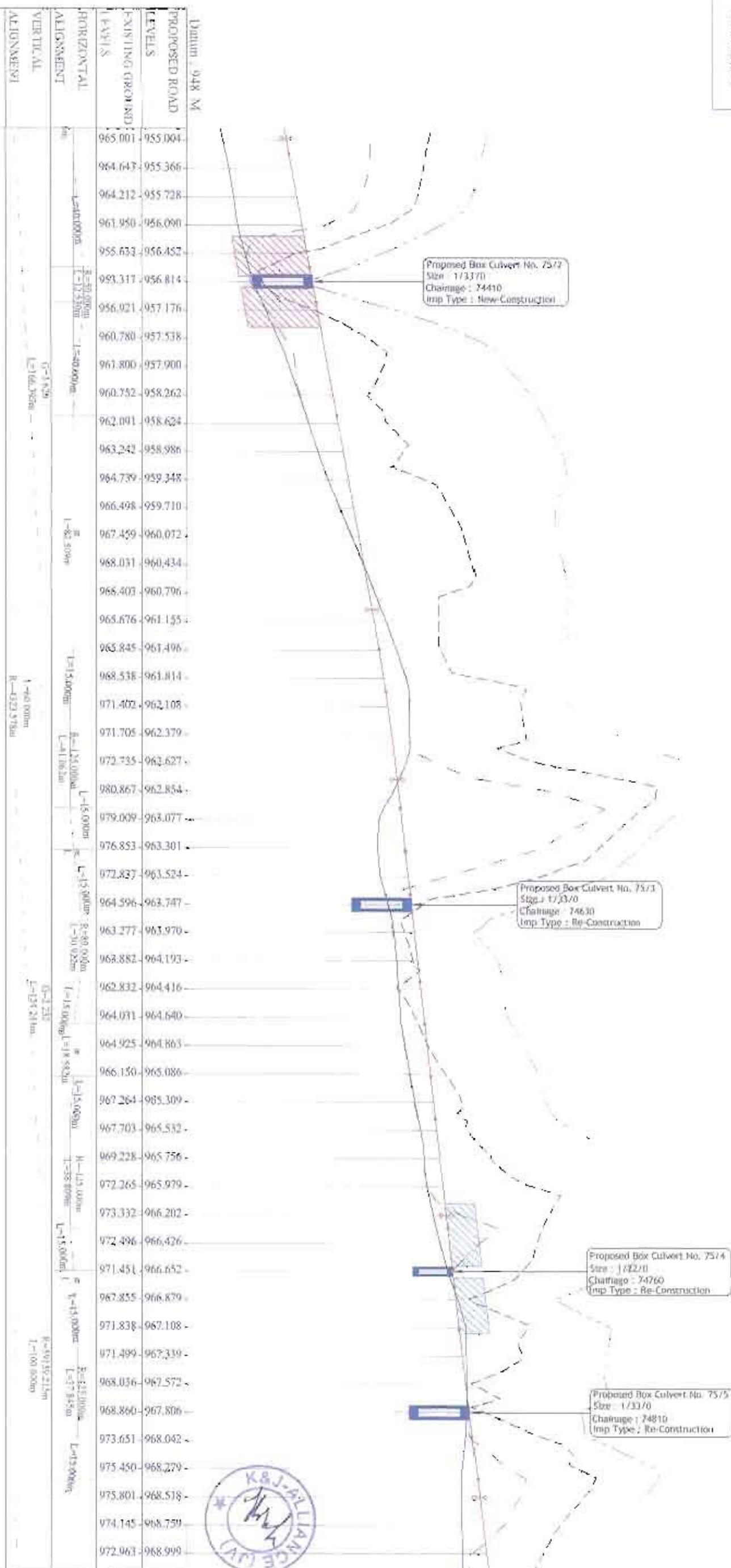
LIC(IND)  
PROFI F:  
PROPOSED LEVEL (solid line)  
EXIST ROAD LEVEL  
EXIST LEVEL AS PER CL  
LEFT SIDE LEVEL  
RIGHT SIDE LEVEL

VER. TANGENT POINT

EAST WALL

WEST WALL

TOP TERRAIN PROFILE





## LEGEND

JORAM

KOLORIANG

## PROFILE:

- HIGH LEVEL (Walls)
- EXIST ROAD LEVEL
- EXIST RAIL LEVEL
- LEFT TOE LEVEL
- RIGHT TOE LEVEL
- VERT TRANSIT POINT
- BREAST WALL
- RETAINING WALL

Proposed Box Culvert No. 76/1  
Size : 1/32/0  
Chassis : 75080  
Imp Type : Re-Construction

Proposed Box Culvert No. 76/2  
Size : 1/22/0  
Chassis : 75280  
Imp Type : Re-Construction



Datum : 958 M	
PROPOSED ROAD	EXISTING GROUND
LEVELS	972.963 - 968.999
LEVELS	971.909 - 969.239
LEVELS	973.270 - 969.479
LEVELS	974.208 - 969.719
LEVELS	974.568 - 969.959
LEVELS	974.991 - 970.199
LEVELS	973.023 - 970.429
LEVELS	971.066 - 970.679
LEVELS	973.588 - 970.919
LEVELS	978.598 - 971.160
LEVELS	984.719 - 971.400
LEVELS	989.075 - 971.640
LEVELS	991.593 - 971.880
LEVELS	987.869 - 972.120
LEVELS	984.081 - 972.360
LEVELS	980.137 - 972.600
LEVELS	972.029 - 972.840
LEVELS	971.972 - 973.080
LEVELS	972.447 - 973.320
LEVELS	977.476 - 973.552
LEVELS	980.160 - 973.751
LEVELS	978.564 - 973.917
LEVELS	976.579 - 974.050
LEVELS	977.879 - 974.150
LEVELS	978.645 - 974.217
LEVELS	976.986 - 974.260
LEVELS	974.750 - 974.302
LEVELS	976.497 - 974.344
LEVELS	975.134 - 974.386
LEVELS	977.079 - 974.427
LEVELS	981.882 - 974.469
LEVELS	982.198 - 974.511
LEVELS	978.125 - 974.552
LEVELS	974.999 - 974.594
LEVELS	976.389 - 974.636
LEVELS	978.010 - 974.678
LEVELS	980.356 - 974.719
LEVELS	982.925 - 974.761
LEVELS	984.407 - 974.803
LEVELS	983.874 - 974.845
LEVELS	981.986 - 974.886
LEVELS	980.237 - 974.928
LEVELS	975.314 - 974.970
LEVELS	974.813 - 975.012
LEVELS	975.542 - 975.053
LEVELS	977.185 - 975.095
LEVELS	977.973 - 975.137
LEVELS	976.389 - 975.179
LEVELS	976.270 - 975.220
LEVELS	976.790 - 975.262
LEVELS	977.599 - 975.304

200 CSB + 250 MMWMA + 8.5 DRAA + 40 HCC

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LEGEND:

JORAM

KOLORIANG



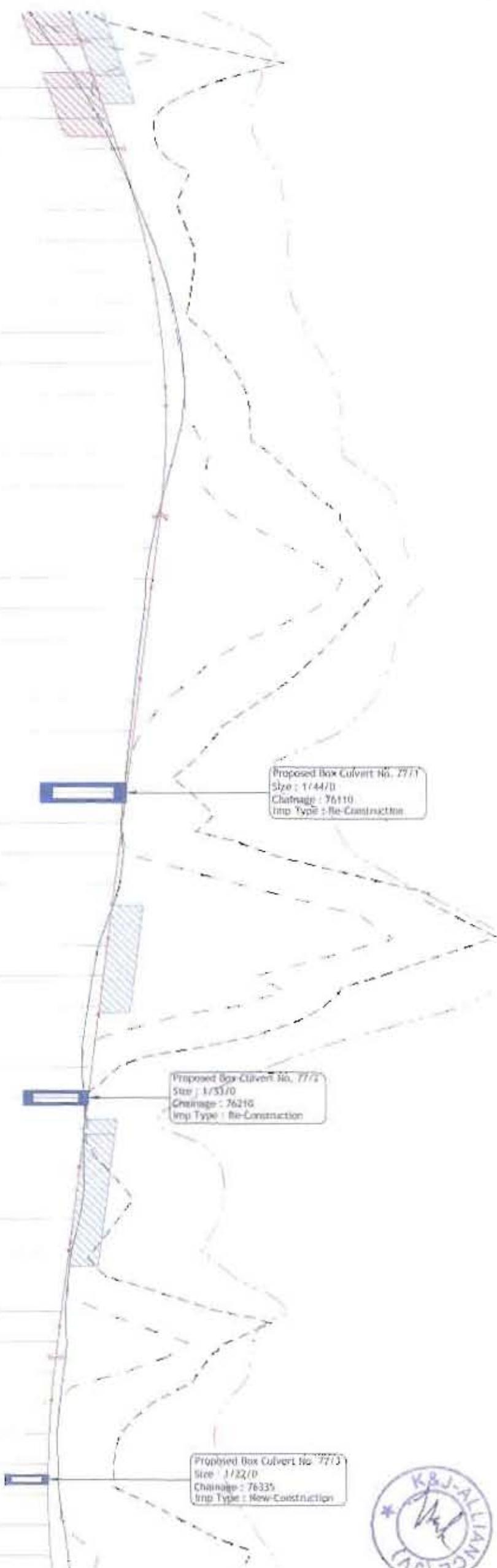




## LEGEND:

	PROFILE
	NORTH INDICATOR
	EXIT BOUNDARY
	EAST BOUNDARY
	LEFT TOE LEVEL
	RIGHT TOE LEVEL
	VER. MAJOR CUT
	EXCAVATION AREA
	RETAINING WALL

JORAM



Datum : 976 M	
<b>PROPOSED ROAD LEVELS</b>	
EXISTING GROUND LEVELS	
989.686	988.550
998.341	987.250
998.623	987.950
991.613	988.650
991.985	989.350
993.780	990.010
993.296	990.591
994.101	991.092
994.225	991.515
995.948	991.859
995.027	992.123
996.661	993.309
997.693	992.416
997.851	992.444
999.351	992.393
1001.569	992.263
1003.716	992.054
1004.979	991.806
1006.339	991.559
1005.035	991.312
1003.250	991.064
1001.195	990.817
998.560	990.569
995.892	990.323
994.142	990.074
994.057	989.827
994.994	989.580
999.334	989.332
1007.316	989.085
1011.317	988.837
1012.130	988.590
1006.246	988.342
1002.620	988.095
997.825	987.848
989.294	987.600
987.279	987.353
987.269	987.105
987.984	986.858
989.772	986.610
989.278	986.363
987.710	986.116
989.478	985.868
996.041	985.621
996.459	985.373
994.500	985.133
991.500	984.945
989.455	984.818
989.018	984.752
990.115	984.746
994.097	984.802
997.849	984.918

200 CSD + 250 MMKA + 95 DRAF + 40 DC

PAVEMENT

	Q-1.0m	Q-2.0m	Q-3.0m	Q-4.0m	Q-5.0m	Q-6.0m	Q-7.0m	Q-8.0m	Q-9.0m	Q-10.0m	Q-11.0m	Q-12.0m
SUBGRADE ELEVATION	Q-1.0m	Q-2.0m	Q-3.0m	Q-4.0m	Q-5.0m	Q-6.0m	Q-7.0m	Q-8.0m	Q-9.0m	Q-10.0m	Q-11.0m	Q-12.0m
1 HANNAH	75880.000	75870.000	75860.000	75850.000	75840.000	75830.000	75820.000	75810.000	75800.000	75790.000	75780.000	75770.000
2 K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.	K & J ALLIANCE LTD.
3 Project Name	Consultancy Services for preparation of Detailed Project report for 2-Laning of Joram-Kotoring Road from km 70.00 to Km 138.00 (1 length = 68 Km) in the state of Arunachal Pradesh under SARDIV-NL on FPC Mode											
4 Package	I	J	K	L	M	N	O	P	Q	R	S	T
5 Length	~ 8 km	~ 860 m	~ 3.6 km									
6 Scale	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000	1:5000
7 Date	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018	10/10/2018



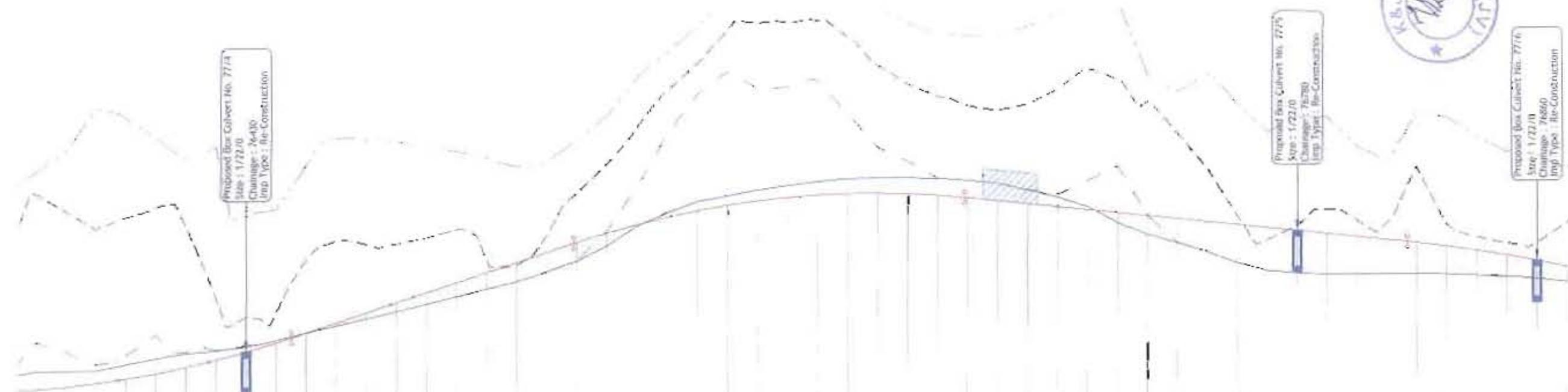
Consultant, **K & J ALLIANCE LTD.**  
Address: K & J ALLIANCE LTD.  
Kotilingal, Arunachal Pradesh - 766001  
Phone: +91 94342 22222 / +91 94342 22223  
Email: info@kjalliance.com  
Web: www.kjalliance.com





**LEGEND:**

- PROFILE:**
- PROP. LEVEL/VERT.
- EXIST. ROAD LEVEL
- FAIR. LEVEL AT PROJ. CL.
- LEFT TOP LEVEL
- RIGHT TOE LEVEL
- VER. TANGENT POINT
- BREAST WALL
- RETAINING WALL



Datum : 982 M

PROPOSED ROAD LEVELS		EXISTING GROUND LEVELS		HORIZONTAL ALIGNMENT		VERTICAL ALIGNMENT		PAVEMENT		SUPERELEVATION		CHAI'RAGE	
997.649	984.918	996.697	985.084	R=70.000m	L=50.302m	D=8.637	L=150.000m	200 C7SA + 250 WMM + 85 C7SA + 40 BC	200 CSD + 250 WMM + 85 DDM + 40 HH	0-2.2%	0-7.4%	0-2.5%	0-7.3%
996.697	985.084	995.599	985.332							0-2.2%	0-7.4%	0-2.5%	0-7.3%
995.599	985.332	996.315	985.610							0-2.2%	0-7.4%	0-2.5%	0-7.3%
996.315	985.610	997.000	985.989							0-2.2%	0-7.4%	0-2.5%	0-7.3%
997.000	985.989	996.688	986.409							0-2.2%	0-7.4%	0-2.5%	0-7.3%
996.688	986.409	996.945	986.889							0-2.2%	0-7.4%	0-2.5%	0-7.3%
996.945	986.889	997.741	987.439							0-2.2%	0-7.4%	0-2.5%	0-7.3%
997.741	987.439	998.042	988.032							0-2.2%	0-7.4%	0-2.5%	0-7.3%
998.042	988.032	993.537	988.688							0-2.2%	0-7.4%	0-2.5%	0-7.3%
993.537	988.688	994.749	989.352							0-2.2%	0-7.4%	0-2.5%	0-7.3%
994.749	989.352	994.549	989.015							0-2.2%	0-7.4%	0-2.5%	0-7.3%
994.549	989.015	994.562	990.679							0-2.2%	0-7.4%	0-2.5%	0-7.3%
994.562	990.679	994.972	991.343							0-2.2%	0-7.4%	0-2.5%	0-7.3%
994.972	991.343	995.406	992.006							0-2.2%	0-7.4%	0-2.5%	0-7.3%
995.406	992.006	997.650	992.670							0-2.2%	0-7.4%	0-2.5%	0-7.3%
997.650	992.670	995.157	993.134							0-2.2%	0-7.4%	0-2.5%	0-7.3%
995.157	993.134	995.105	993.998							0-2.2%	0-7.4%	0-2.5%	0-7.3%
995.105	993.998	997.939	994.581							0-2.2%	0-7.4%	0-2.5%	0-7.3%
997.939	994.581	1002.721	995.843							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1002.721	995.843	1004.732	996.335							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1004.732	996.335	1006.539	996.761							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1006.539	996.761	1008.789	997.120							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1008.789	997.120	1009.185	997.414							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.185	997.414	1009.222	997.645							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.222	997.645	1009.232	997.809							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.232	997.809	1009.816	997.895							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.816	997.895	1009.935	997.973							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.935	997.973	1009.514	997.845							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.514	997.845	1009.314	997.780							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.314	997.780	1009.379	997.610							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.379	997.610	1009.386	997.415							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.386	997.415	1009.382	997.018							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.382	997.018	1009.610	996.820							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.610	996.820	1009.396	996.621							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.396	996.621	1009.958	996.428							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.958	996.428	1009.842	996.228							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.842	996.228	1009.513	996.031							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.513	996.031	1009.318	995.833							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.318	995.833	1009.827	995.636							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.827	995.636	1009.734	995.438							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.734	995.438	1009.829	995.241							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.829	995.241	1009.513	995.031							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.513	995.031	1009.318	994.846							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.318	994.846	1009.829	994.646							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.829	994.646	1009.513	994.449							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.513	994.449	1009.318	994.241							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.318	994.241	1009.829	994.046							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.829	994.046	1009.513	993.846							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.513	993.846	1009.318	993.646							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.318	993.646	1009.829	993.449							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.829	993.449	1009.513	993.241							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.513	993.241	1009.318	993.046							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.318	993.046	1009.829	992.846							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.829	992.846	1009.513	992.646							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.513	992.646	1009.318	992.449							0-2.2%	0-7.4%	0-2.5%	0-7.3%
1009.318	992.449	1009.829	992.241							0-2.2%	0-7.		



## JORAM

## KOLORIANG

## LEGEND:

PROFILE  
SODIUM LAVENDER  
EXIST ROAD LEVEL

EXC AVES & PROD  
EFFICENT  
RIGHT OF LEVEL

VER TANGENT DRAVE

SPREAD VIAL

SETBACKS WALL

Proposed Box Culvert No. 7716  
Size : 1/22/0  
Chaining : 76960  
Imp Type : Re-Construction

Proposed Box Culvert No. 7717  
Size : 1/22/0  
Chaining : 76960  
Imp Type : Re-Construction

Proposed Box Culvert No. 7811  
Size : 1/44/0  
Chaining : 77175  
Imp Type : Re-Construction

Proposed Box Culvert No. 7812  
Size : 1/33/0  
Chaining : 77300  
Imp Type : Re-Construction



Chaining	Component	K & J Projects Pvt. Ltd. Alliance Engineers & Consultants (P) Ltd. K & J Engineering Services Limited Arunachal Pradesh under SARDP-NE on EPC Mode
76800.000	SOIL ELEVATION	Q=1.00m
76870.000		Q=1.00m
76880.000		Q=1.00m
76890.000		Q=1.00m
76900.000		Q=1.00m
76910.000		Q=1.00m
76920.000		Q=1.00m
76930.000		Q=1.00m
76940.000		Q=1.00m
76950.000		Q=1.00m
76960.000		Q=1.00m
76970.000		Q=1.00m
76980.000		Q=1.00m
76990.000		Q=1.00m
77000.000		Q=1.00m
77010.000		Q=1.00m
77020.000		Q=1.00m
77030.000		Q=1.00m
77040.000		Q=1.00m
77050.000		Q=1.00m
77060.000		Q=1.00m
77070.000		Q=1.00m
77080.000		Q=1.00m
77090.000		Q=1.00m
77100.000		Q=1.00m
77110.000		Q=1.00m
77120.000		Q=1.00m
77130.000		Q=1.00m
77140.000		Q=1.00m
77150.000		Q=1.00m
77160.000		Q=1.00m
77170.000		Q=1.00m
77180.000		Q=1.00m
77190.000		Q=1.00m
77200.000		Q=1.00m
77210.000		Q=1.00m
77220.000		Q=1.00m
77230.000		Q=1.00m
77240.000		Q=1.00m
77250.000		Q=1.00m
77260.000		Q=1.00m
77270.000		Q=1.00m
77280.000		Q=1.00m
77290.000		Q=1.00m
77300.000		Q=1.00m
77310.000		Q=1.00m
77320.000		Q=1.00m
77330.000		Q=1.00m
77340.000		Q=1.00m
77350.000		Q=1.00m
77360.000		Q=1.00m
77370.000		Q=1.00m
77380.000		Q=1.00m
77390.000		Q=1.00m
77400.000		Q=1.00m
77410.000		Q=1.00m
77420.000		Q=1.00m
77430.000		Q=1.00m
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77450.000		Q=1.00m
77460.000		Q=1.00m
77470.000		Q=1.00m
77480.000		Q=1.00m
77490.000		Q=1.00m
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77510.000		Q=1.00m
77520.000		Q=1.00m
77530.000		Q=1.00m
77540.000		Q=1.00m
77550.000		Q=1.00m
77560.000		Q=1.00m
77570.000		Q=1.00m
77580.000		Q=1.00m
77590.000		Q=1.00m
77600.000		Q=1.00m
77610.000		Q=1.00m
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77650.000		Q=1.00m
77660.000		Q=1.00m
77670.000		Q=1.00m
77680.000		Q=1.00m
77690.000		Q=1.00m
77700.000		Q=1.00m
77710.000		Q=1.00m
77720.000		Q=1.00m
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77980.000		Q=1.00m
77990.000		Q=1.00m
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78150.000		Q=1.00m
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78190.000		Q=1.00m
78200.000		Q=1.00m
78210.000		Q=1.00m
78220.000		Q=1.00m
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78240.000		Q=1.00m
78250.000		Q=1.00m
78260.000		Q=1.00m
78270.000		Q=1.00m
78280.000		Q=1.00m
78290.000		Q=1.00m
78300.000		Q=1.00m
78310.000		Q=1.00m
78320.000		Q=1.00m
78330.000		Q=1.00m
78340.000		Q=1.00m
78350.000		Q=1.00m
78360.000		Q=1.00m
78370.000		Q=1.00m
78380.000		Q=1.00m
78390.000		Q=1.00m
78400.000		Q=1.00m
78410.000		Q=1.00m
78420.000		Q=1.00m
78430.000		Q=1.00m
78440.000		Q=1.00m
78450.000		Q=1.00m
78460.000		Q=1.00m
78470.000		Q=1.00m
78480.000		Q=1.00m
78490.000		Q=1.00m
78500.000		Q=1.00m
78510.000		Q=1.00m
78520.000		Q=1.00m
78530.000		Q=1.00m
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78560.000		Q=1.00m
78570.000		Q=1.00m
78580.000		Q=1.00m
78590.000		Q=1.00m
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78610.000		Q=1.00m
78620.000		Q=1.00m
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78640.000		Q=1.00m
78650.000		Q=1.00m
78660.000		Q=1.00m
78670.000		Q=1.00m
78680.000		Q=1.00m
78690.000		Q=1.00m
78700.000		Q=1.00m
78710.000		Q=1.00m
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78780.000		Q=1.00m
78790.000		Q=1.00m
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78810.000		Q=1.00m
78820.000		Q=1.00m
78830.000		Q=1.00m
78840.000		