



PLAN & PROFILE

LEGEND :

PLAN :

EXISTING

EXIST. ROAD

SP-R : SEMI PUCCA RESI.

SP-C : SEMI PUCCA COMM.

P-R : PUCCA RESIDENTIAL

P-C : PUCCA COMMERCIAL

K-R : KUCCA RESIDENTIAL

HUT : HUT

CONTOUR

PEDDY FIELD

BOUNDARY WALL

FENCING

EXISTING ROW

PROPOSED ROW

PROPOSED

TDE LINE

SH EDGE

CW EDGE

C/L

CW EDGE

SH EDGE

TDE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

FOOTPATH

BREAST WALL

RETAINING WALL

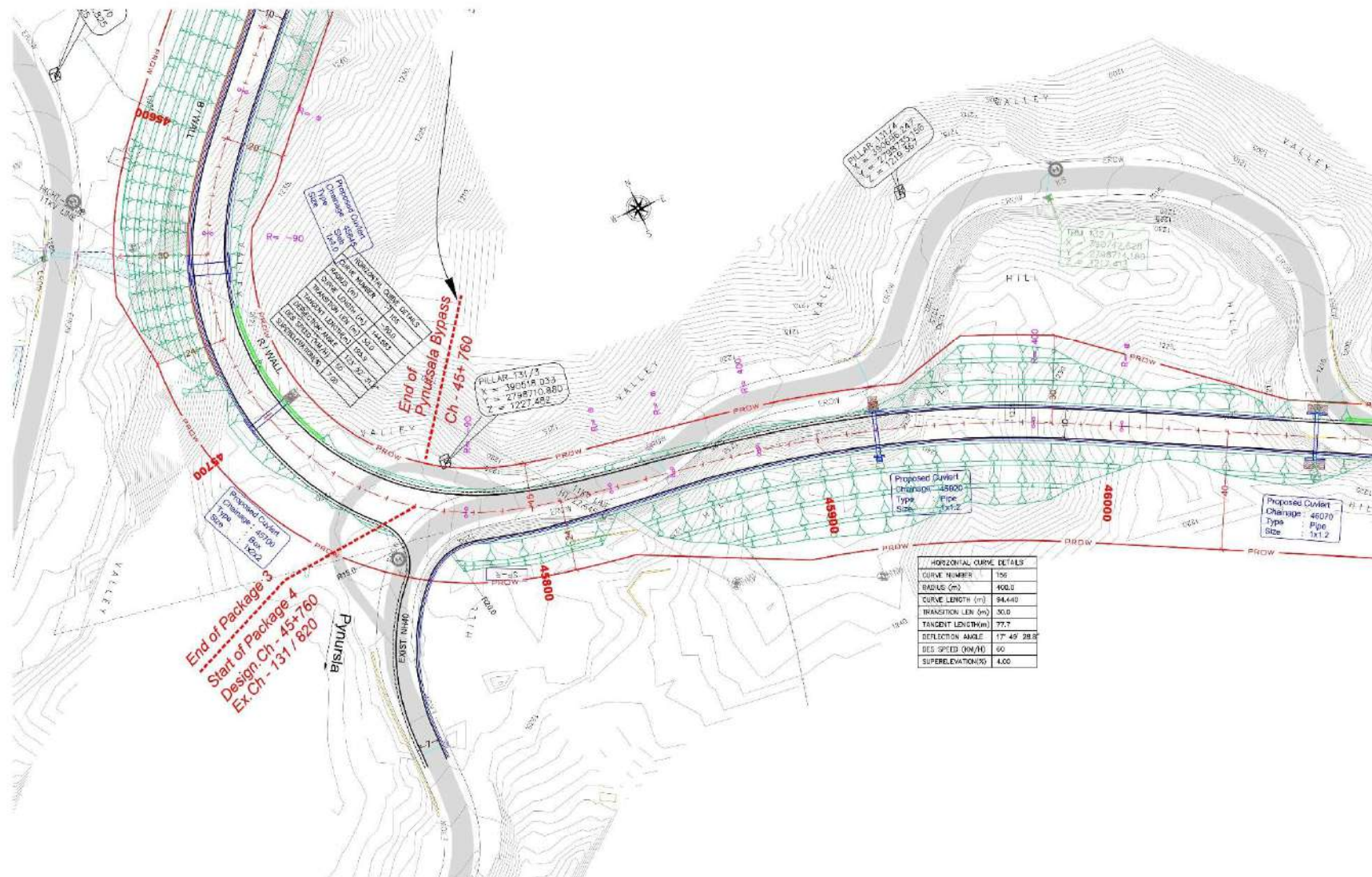
PROFILE :

VER. TANGENT POINT

HIGH/LOW POINT

Shillong

Dawki



Rev.	Date	Description
R0	01-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 2+240 TO KM 4+80 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+200 IN BOP & CHURCH AREA
R2	03-08-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+800 TO KM 10+800 & KM 10+800 TO KM 14+400

AUTHORITY:	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
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DESIGN CONSULTANTS:	Transsys Consulting Pvt. Ltd. Unit 6, 5th Floor, Old IIT, Connaught Place, Sec-14, Gurgaon-122 001. Tel: 0124-4510612 info@transsys.in, www.transsys.in
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PROJECT:	Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanes of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA
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DRAWN BY:	SUNAR
DESIGNED BY:	SANDEEP
CHECKED BY:	KVN REDDY
APPROVED BY:	PK KUNDU

FINAL DETAILED PROJECT REPORT
DATE: Sep. 2019

TITLE: Plan & Profile (From Km 45+760 to Km 46+000)
SCALE: 1:1000 (Plan) 1:100 (Profile)
DRG. NO: TRANSYS/139/S-D/HW/PNP/ 92
Rev: R2

LEGEND :

PLAN :

EXISTING
EXIST. ROAD
SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
EXISTING ROW
PROPOSED ROW

PROPOSED
TDE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TDE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

FOOTPATH

B/WALL BREAST WALL

B/WALL RETAINING WALL

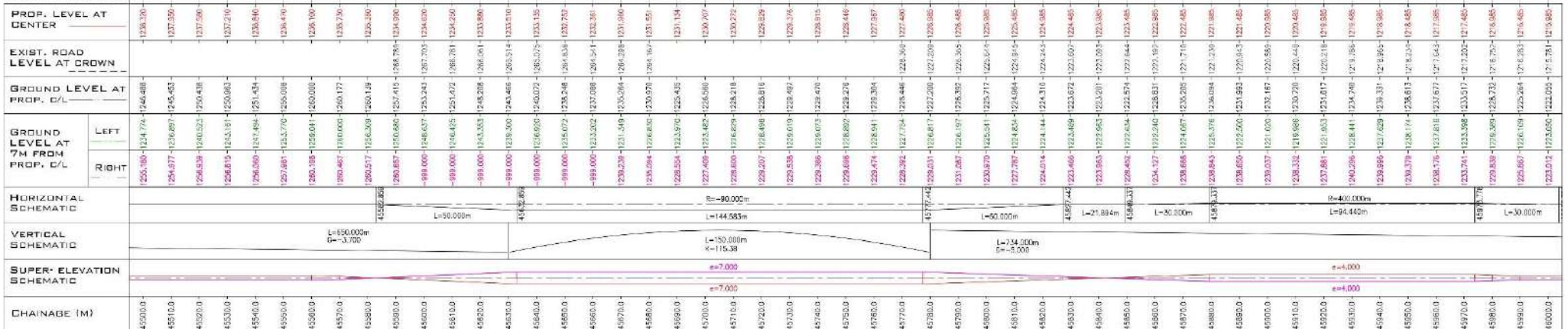
PROFILE :

VER. TANGENT POINT

HIGH/LOW POINT

Shillong

DATUM : 1210.000



Rev.	Date	Description
R0	11-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 24+200 TO KM 4+100 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+300 IN ROP & CHURCH AREA
R2	03-02-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+000 TO KM 10+600 & KM 10+100 TO KM 24+100

	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
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	Transsys Consulting Pvt. Ltd. Plot 6, Sarda Tower, Old DLF Condo, Condo, Sector-14, Gurgaon-122 001. Tel: 0124-4201002 info@transsys.in, www.transsys.in
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Project: Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	Drawn By: SUVAR Designed By: SANDEEP Checked By: KVN REDDY Approved By: PK KUNDU
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Project: Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	Drawn By: SUVAR Designed By: SANDEEP Checked By: KVN REDDY Approved By: PK KUNDU
--	---

FINAL DETAILED PROJECT REPORT DATE: Sep. 2019 DRG. NO.: TRANSYS/139/S-D/HW/PNP/92a	TITLE: Plan & Profile (From Km 45+500 to Km 46+000) Rev: R2
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LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
- EXISTING ROW
PROPOSED ROW
- PROPOSED
TDE LINE
SH EDGE
C/W EDGE
C/L
C/W EDGE
SH EDGE
TDE LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL BREAST WALL
R/WALL RETAINING WALL

PROFILE :

- VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 1205.000



Rev.	Date	Description
R0	01-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 24+200 TO KM 4+100 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+200 IN ROP & CHURCH AREA
R2	03-02-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+000 TO KM 10+400 & KM 20+100 TO KM 24+100

Authority: National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)	Design Consultants: Transsys Consulting Pvt. Ltd. Plot 8, Sector Tower, Old DLF Colony, Gurgaon, Sector-14, Gurgaon-122 091. Tel: 0124-4201002 info@transsys.in, www.transsys.in
---	--

Project: Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder 7.4 Lanning of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	Drawn By: SUWAN Designed By: SANKSEK Checked By: KVN REDDY Approved By: PK KUNDU
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FINAL DETAILED PROJECT REPORT DATE: Sep. 2019 DRG. NO.: TRANSYS/139/S-D/HW/PNP/93	Title: Plan & Profile (From Km 46+000 to Km 46+500) R2
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PLAN :

PLAN : EXISTING

EXIST. ROAD

SP-R	: SEMI PUCCA RESI.
SP-C	: SEMI PUCCA COMM.
P-R	: PUCCA RESIDENTIAL
P-C	: PUCCA COMMERCIAL
K-R	: KUCCA RESIDENTIAL
HUT	: HUT

 : CONTOUR
 : PEDDY FIELD
 : BOUNDARY WALL
 : FENCING
 : EXISTING ROW
 : PROPOSED ROW

PROPOSED

TOE LINE

SH EDGE

C/W EDGE

C/L

C/W EDGE

SH EDGE

TOE LINE

HOR. TANGENT POINT



CULVERT

_____ PROP. DRAIN

ΕΠΙΤΡΑΤΗ

B/WALL	BREAST WALL
R/WALL	RETAINING WALL

PROFILE :

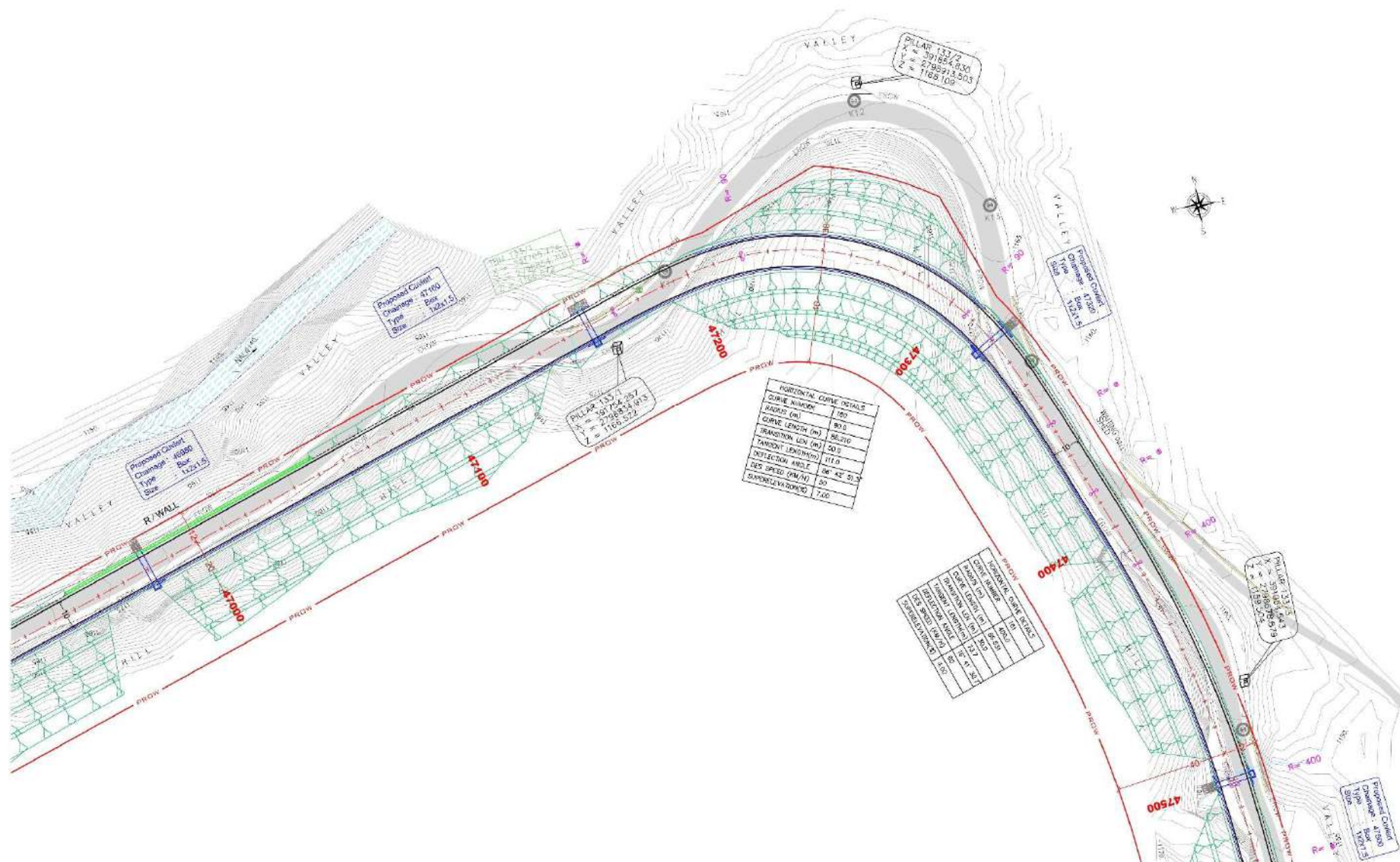
 VER. TANGENT

POINT

HIGH-LOW POINT

Shillong

Dawki



Rev.	Date	Description
R0	31-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 2+250 TO KM 4+180 IN FOREST AREA
R1	09-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 76+200 IN POOP & CHURCH AREA
R2	23-08-2019	REVISED ALIGNMENT/ROW BETWEEN KM 8+300 TO KM 10+000 & KM 53+800 TO KM 54+600

Authority:

 **National Highways & Infrastructure Development Corporation Ltd.**
(Ministry of Road Transport & Highways)

DESIGN CONSULTANTS:

 **Transsys Consulting Pvt. Ltd.**
NM 8, Sansi Tower, G-8 DLF, Connaught Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-425001
info@transsys.in, www.transsys.in

PROJECT: **Shillong - Dawki Section of NH-40**
Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanning of NH-40 Between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA.

DRAWN BY	SUMAN	
DESIGNED BY	SANDEEP	
CHECKED BY	KSN REDDY	
APPROVED BY	PK KUNDU	

FINAL DETAILED PROJECT REPORT	TITLE: Plan & Profile (2 Km X 47+000 to 47+500)		R2
DATE: Sep. 2019	DWG. NO: TRANSYS/139/S-D/HW/PNP/95		R2

LEGEND :

PLAN :

EXISTING
EXIST. ROAD
SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
EXISTING ROW
PROPOSED ROW

PROPOSED
TDE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TDE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

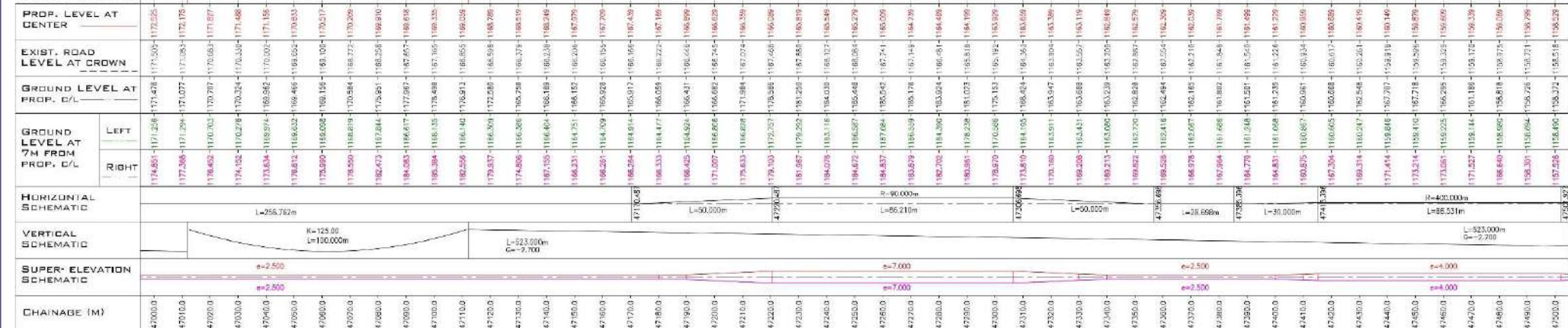
FOOTPATH

B/WALL BREAST WALL
B/WALL RETAINING WALL

PROFILE :

VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 1155.000



Rev.	Date	Description
R0	14-08-2019	FINAL DETAILED PROJECT REPORT
R1	14-08-2019	REVISED ALIGNMENT BETWEEN KM 24+233 TO KM 4+780 IN FOREST AREA
R1	26-08-2019	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+300 IN ROP & CHURCH AREA
R2	03-09-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+300 TO KM 10+400 & KM 20+300 TO KM 24+150

Authority: National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)

Design Consultants: Transsys Consulting Pvt. Ltd. Plot 6, Sarda Tower, Old DLF Condo, Condo, Sector-14, Gurgaon-122 001. Tel: 0124-4201012 info@transsys.in, www.transsys.in
--

Project: Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA
--

Drawn By: SUVAR Designed By: SANDEEP Checked By: KVN REDDY Approved By: PK KUNDU

FINAL DETAILED PROJECT REPORT DATE: Sep. 2019 DRG. NO.: TRANSYS/139/S-D/HW/PNP/95	TITLE: Plan & Profile (2 Km Km 47+000 to Km 47+500) R2
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LEGEND :

PLAN :

EXISTING

EXIST. ROAD

SP-R : SEMI PUCCA RESI.

SP-C : SEMI PUCCA COMM.

P-R : PUCCA RESIDENTIAL

P-C : PUCCA COMMERCIAL

K-R : KUCCA RESIDENTIAL

HUT : HUT

CONTOUR

PEDDY FIELD

BOUNDARY WALL

FENCING

EXISTING ROW

PROPOSED ROW

TOE LINE

SH EDGE

C/W EDGE

C/L

C/W EDGE

SH EDGE

TOE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

FOOTPATH

B/WALL BREAST WALL

R/WALL RETAINING WALL

VER. TANGENT POINT

HIGH/LOW POINT

DATUM : 1145.000

PROP. LEVEL AT CENTER

EXIST. ROAD LEVEL AT CROWN

GROUND LEVEL AT PROP. C/L

GROUND LEVEL AT 7M FROM PROP. C/L

HORIZONTAL SCHEMATIC

VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)

Shillong

Shillong

Shillong

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LEGEND :

PLAN :

EXISTING
EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING

EXISTING ROW
PROPOSED ROW

PROPOSED
TOE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TOE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

FOOTPATH

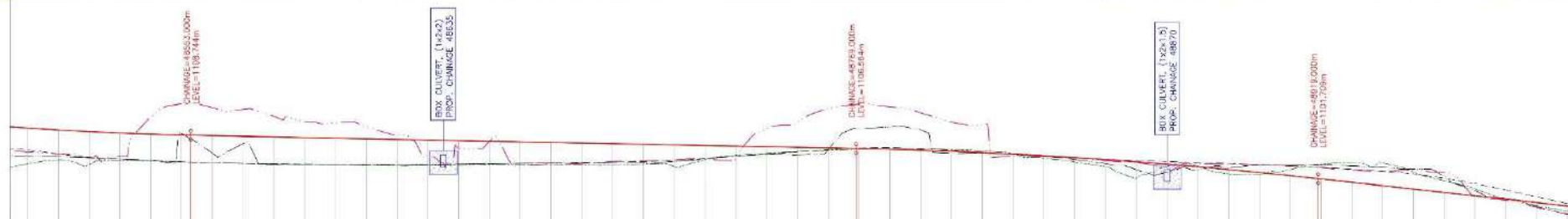
B/WALL BREAST WALL
R/WALL RETAINING WALL

Shillong



PROFILE :

VER. TANGENT POINT
HIGH/LOW POINT



DATUM : 1090.000

PROP. LEVEL AT CENTER	1090.000
EXIST. ROAD LEVEL AT CROWN	1089.999
GROUND LEVEL AT PROP. C/L	1089.999
GROUND LEVEL AT 7M FROM PROP. C/L	1089.999
HORIZONTAL SCHEMATIC	R=105.00m L=92.97m K=22.22 L=100.00m
VERTICAL SCHEMATIC	L=150.00m K=33.33 L=328.00m G=-5.500
SUPER ELEVATION SCHEMATIC	e=7.000 e=2.500 e=5.000
CHAINAGE (M)	48500.0 48510.0 48520.0 48530.0 48540.0 48550.0 48560.0 48570.0 48580.0 48590.0 48600.0 48610.0 48620.0 48630.0 48640.0 48650.0 48660.0 48670.0 48680.0 48690.0 48700.0 48710.0 48720.0 48730.0 48740.0 48750.0 48760.0 48770.0 48780.0 48790.0 48800.0 48810.0 48820.0 48830.0 48840.0 48850.0 48860.0 48870.0 48880.0 48890.0 48900.0 48910.0 48920.0 48930.0 48940.0 48950.0 48960.0 48970.0 48980.0 48990.0 49000.0

LEGEND :

PLAN :

EXISTING

EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

1000 : CONTOUR

1 : PEDDY FIELD

1 : BOUNDARY WALL

1 : FENCING

EROW : EXISTING ROW

PROW : PROPOSED ROW

PROPOSED

TOE LINE

SH EDGE

C/W EDGE

C/L

C/W EDGE

SH EDGE

TOE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

FOOTPATH

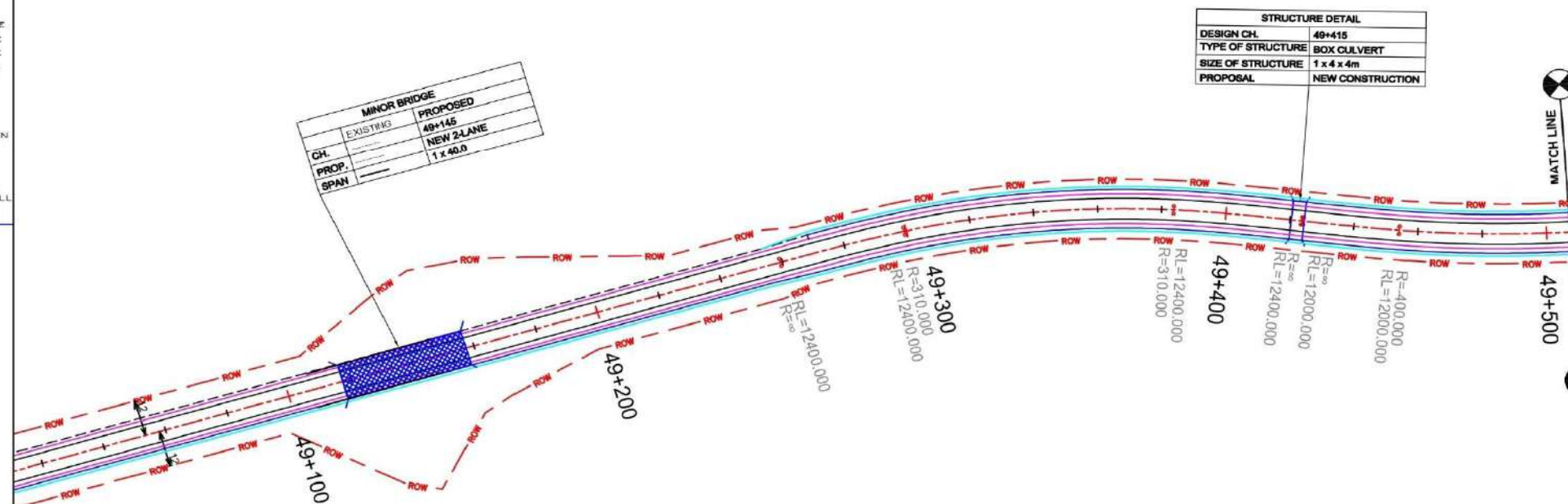
B/WALL : BREAST WALL

R/WALL : RETAINING WALL

PROFILE :

VER. TANGENT POINT

HIGH/LOW POINT



Rev.	Date	Description
R1	21-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-08-2018	REVISED ALIGNMENT BETWEEN KM 24+240 TO KM 44+760 IN FOREST AREA
R1	06-09-2018	REVISED ALIGNMENT BETWEEN KM 70+300 TO KM 70+700 IN BOP & CHURCH AREA
R2	05-09-2019	REVISED ALIGNMENT/ROW BETWEEN KM 8+300 TO KM 10+800 & KM 10+800 TO KM 10+800

AUTHORITY
 National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)

DESIGN CONSULTANT(S)
 Transys Consulting Pvt. Ltd. KM-8, Sewa Tower, Old ELP Complex, Sector-14, Gurgaon-122 001, Tel: 0124-4250012 Email: info@transys.in, www.transys.in

PROJECT
Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanes of NH-40 Between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

DRAWN BY	SUMAN
DESIGNED BY	SANDEEP
CHECKED BY	NSH REDDY
APPROVED BY	BY: KUNGU

FINAL DETAILED PROJECT REPORT
DATE: Sep. 2019 Dwg. No. TRANSYS/139/S-D/HW/PNP/99

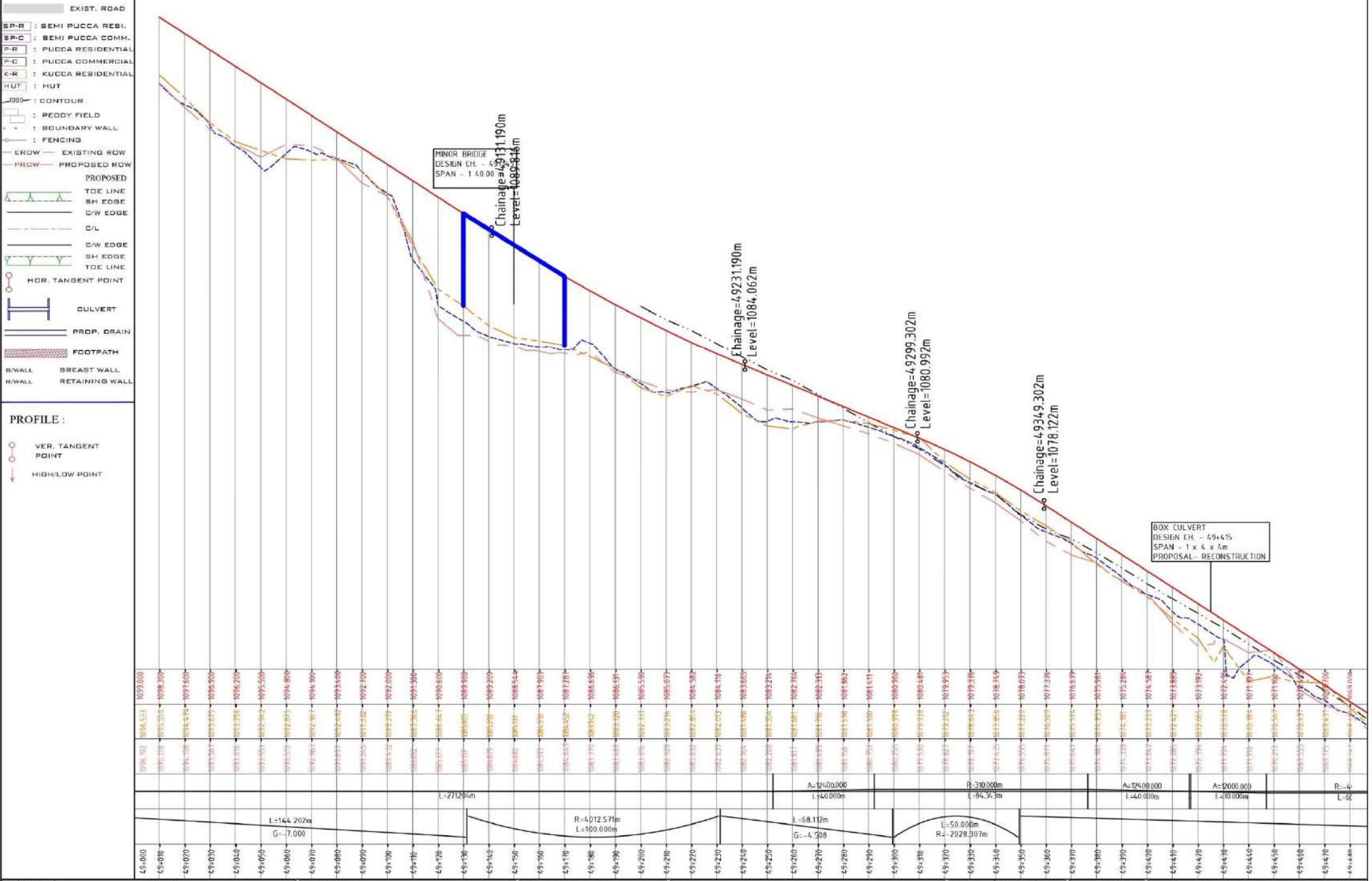
TITLE: Plan & Profile (From Km 49+00 to Km 49+500)
SCALE: 1:1000 (PLAN) 1:100 (PROFILE) REV: R2

LEGEND :

- PLAN :
- EXISTING
- EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
- SP-C : SEMI PUCCA COMM.
- P-R : PUCCA RESIDENTIAL
- P-C : PUCCA COMMERCIAL
- K-R : KUCCA RESIDENTIAL
- HUT : HUT
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- BOUNDARY WALL
- FENCING
- EROW : EXISTING ROW
- PROW : PROPOSED ROW
- PROPOSED
- T/OE LINE
- SH EDGE
- C/W EDGE
- C/L
- C/W EDGE
- SH EDGE
- T/OE LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL : BREAST WALL
- R/WALL : RETAINING WALL

PROFILE :

- VER. TANGENT POINT
- HIGH/LOW POINT



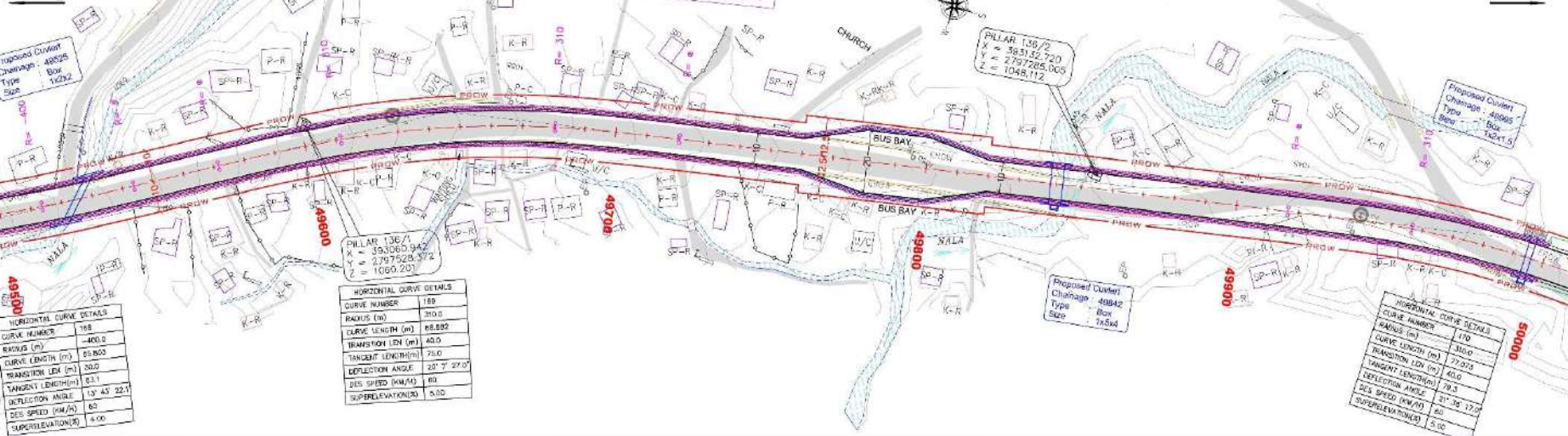
Rev.	Date	Description	Authority	Design Consultants	Project	Drawn By	Checked By	Approved By	Final Detailed Project Report	Title: Plan & Profile (From Km 49+000 to Km 49+500)	Rev.
R0	24-04-2018	FINAL DETAILED PROJECT REPORT	National Highways & Infrastructure Development Corporation Ltd.	Transsys Consulting Pvt. Ltd.	Shillong - Dawki Section of NH-40	SUMAR	SANDEEP	PK. JINDU	DESIGNED BY	SCALE: 1:1000 (Plan) 1:500 (Profile)	R2
R1	06-06-2018	REVISED ALIGNMENT BETWEEN KM 49+000 TO KM 49+100 IN FOREST AREA							CHECKED BY		
R1	06-06-2018	REVISED ALIGNMENT BETWEEN KM 49+100 TO KM 49+200 IN BOP & CHURCH AREA									
R2	01-06-2019	REVISED ALIGNMENT FROM CHURCH AREA KM 49+200 TO KM 49+300 & KM 49+300 TO KM 49+500							APPROVED BY	DATE: Sep. 2019	

LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
FROW - EXISTING ROW
PROW - PROPOSED ROW
- PROPOSED
T.O.E LINE
S.H. EDGE
C.W. EDGE
C/L
C.W. EDGE
S.H. EDGE
T.O.E LINE
- HOR. TANGENT POINT
CULVERT
- PROP. DRAIN
- FOOTPATH
B/WALL - BREAST WALL
R/WALL - RETAINING WALL

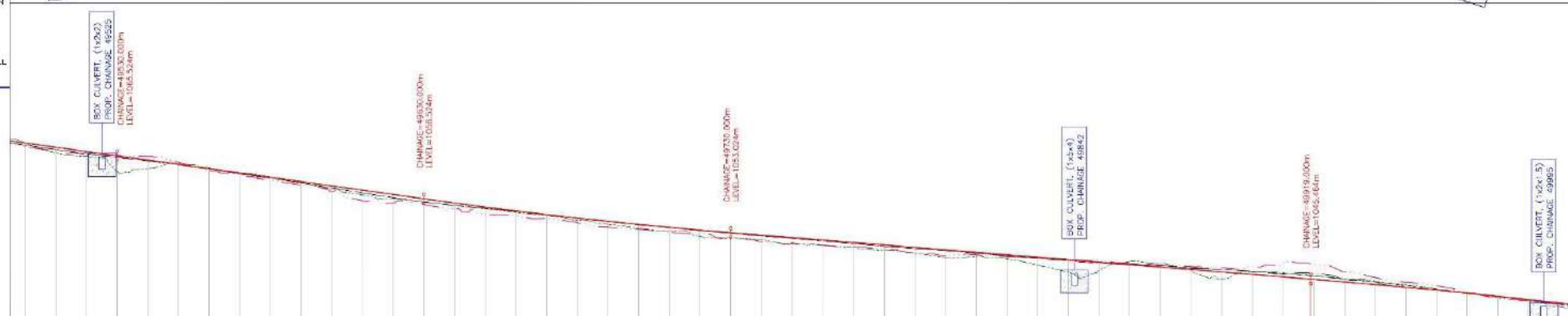
Shillong



Dawki

PROFILE :

- VER. TANGENT POINT
HIGH/LOW POINT



DATUM : 1035.000

PROP. LEVEL AT CENTER		1067.000	1067.238	1067.254	1067.271	1067.288	1067.305	1067.322	1067.339	1067.356	1067.373	1067.390	1067.407	1067.424	1067.441	1067.458	1067.475	1067.492	1067.509	1067.526	1067.543	1067.560	1067.577	1067.594	1067.611	1067.628	1067.645	1067.662	1067.679	1067.696	1067.713	1067.730	1067.747	1067.764	1067.781	1067.798	1067.815	1067.832	1067.849	1067.866	1067.883	1067.900	1067.917	1067.934	1067.951	1067.968	1067.985	1068.002	1068.019	1068.036	1068.053	1068.070	1068.087	1068.104	1068.121	1068.138	1068.155	1068.172	1068.189	1068.206	1068.223	1068.240	1068.257	1068.274	1068.291	1068.308	1068.325	1068.342	1068.359	1068.376	1068.393	1068.410	1068.427	1068.444	1068.461	1068.478	1068.495	1068.512	1068.529	1068.546	1068.563	1068.580	1068.597	1068.614	1068.631	1068.648	1068.665	1068.682	1068.699	1068.716	1068.733	1068.750	1068.767	1068.784	1068.801	1068.818	1068.835	1068.852	1068.869	1068.886	1068.903	1068.920	1068.937	1068.954	1068.971	1068.988	1069.005	1069.022	1069.039	1069.056	1069.073	1069.090	1069.107	1069.124	1069.141	1069.158	1069.175	1069.192	1069.209	1069.226	1069.243	1069.260	1069.277	1069.294	1069.311	1069.328	1069.345	1069.362	1069.379	1069.396	1069.413	1069.430	1069.447	1069.464	1069.481	1069.498	1069.515	1069.532	1069.549	1069.566	1069.583	1069.600	1069.617	1069.634	1069.651	1069.668	1069.685	1069.702	1069.719	1069.736	1069.753	1069.770	1069.787	1069.804	1069.821	1069.838	1069.855	1069.872	1069.889	1069.906	1069.923	1069.940	1069.957	1069.974	1069.991	1070.008	1070.025	1070.042	1070.059	1070.076	1070.093	1070.110	1070.127	1070.144	1070.161	1070.178	1070.195	1070.212	1070.229	1070.246	1070.263	1070.280	1070.297	1070.314	1070.331	1070.348	1070.365	1070.382	1070.399	1070.416	1070.433	1070.450	1070.467	1070.484	1070.501	1070.518	1070.535	1070.552	1070.569	1070.586	1070.603	1070.620	1070.637	1070.654	1070.671	1070.688	1070.705	1070.722	1070.739	1070.756	1070.773	1070.790	1070.807	1070.824	1070.841	1070.858	1070.875	1070.892	1070.909	1070.926	1070.943	1070.960	1070.977	1070.994	1071.011	1071.028	1071.045	1071.062	1071.079	1071.096	1071.113	1071.130	1071.147	1071.164	1071.181	1071.198	1071.215	1071.232	1071.249	1071.266	1071.283	1071.300	1071.317	1071.334	1071.351	1071.368	1071.385	1071.402	1071.419	1071.436	1071.453	1071.470	1071.487	1071.504	1071.521	1071.538	1071.555	1071.572	1071.589	1071.606	1071.623	1071.640	1071.657	1071.674	1071.691	1071.708	1071.725	1071.742	1071.759	1071.776	1071.793	1071.810	1071.827	1071.844	1071.861	1071.878	1071.895	1071.912	1071.929	1071.946	1071.963	1071.980	1071.997	1072.014	1072.031	1072.048	1072.065	1072.082	1072.099	1072.116	1072.133	1072.150	1072.167	1072.184	1072.201	1072.218	1072.235	1072.252	1072.269	1072.286	1072.303	1072.320	1072.337	1072.354	1072.371	1072.388	1072.405	1072.422	1072.439	1072.456	1072.473	1072.490	1072.507	1072.524	1072.541	1072.558	1072.575	1072.592	1072.609	1072.626	1072.643	1072.660	1072.677	1072.694	1072.711	1072.728	1072.745	1072.762	1072.779	1072.796	1072.813	1072.830	1072.847	1072.864	1072.881	1072.898	1072.915	1072.932	1072.949	1072.966	1072.983	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	1072.576	1072.593	1072.610	1072.627	1072.644	1072.661	1072.678	1072.695	1072.712	1072.729	1072.746	1072.763	1072.780	1072.797	1072.814	1072.831	1072.848	1072.865	1072.882	1072.899	1072.916	1072.933	1072.950	1072.967	1072.984	1072.100	1072.117	1072.134	1072.151	1072.168	1072.185	1072.202	1072.219	1072.236	1072.253	1072.270	1072.287	1072.304	1072.321	1072.338	1072.355	1072.372	1072.389	1072.406	1072.423	1072.440	1072.457	1072.474	1072.491	1072.508	1072.525	1072.542	1072.559	10
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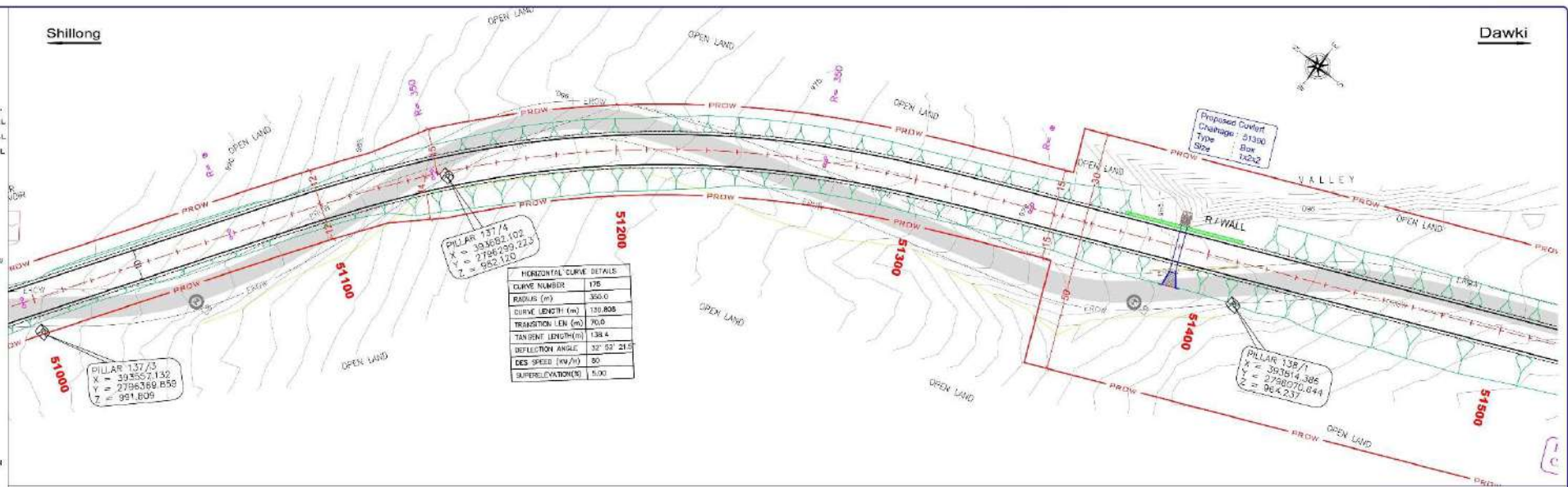
LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- CONTOUR
PADDY FIELD
BOUNDARY WALL
FENCING
- EXISTING ROW
PROPOSED ROW
- PROPOSED
TDE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TDE LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL BREAST WALL
R/WALL RETAINING WALL

Shillong

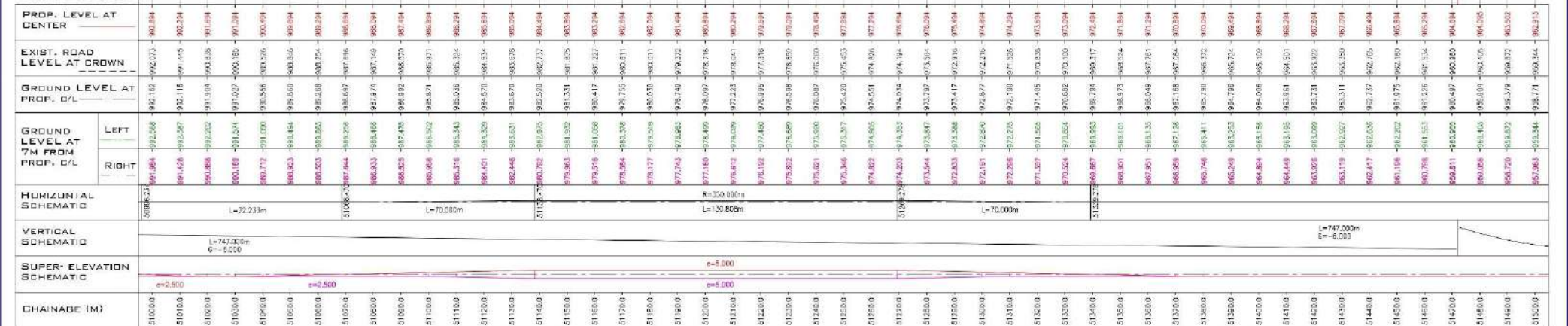
Dawki



PROFILE :

- VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 950.000



Rev.	Date	Description
R1	08-08-2017	FINAL DETAILED PROJECT REPORT
R2	14-04-2018	REVISED ALIGNMENT BETWEEN KM 24+210 TO KM 4+100 IN FOREST AREA
R3	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+300 IN ROP & CHURCH AREA
R4	30-08-2018	REVISED ALIGNMENT/BETWEEN KM 8+300 TO KM 10+400 & KM 20+300 TO KM 24+100

Authority: National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)	Design Consultants: Transsys Consulting Pvt. Ltd. Plot 6, 3rd Floor, Old DLF Condo, Condo, Sector-14, Gurgaon-122 001, Tel: 0124-4251012, Email: info@transsys.in, www.transsys.in	Project: Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder 7.4 Lanning of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	Drawn By: SUNAR Designed By: SANDEEP Checked By: KVN REDDY Approved By: PK KUNDU	FINAL DETAILED PROJECT REPORT Date: Sep. 2019 Drawn By: Sep. 2019 Design No: TRANSYS/139/S-D/HW/PNP/103	Title: Plan & Profile (From Km 51+000 to Km 51+500) Scale: 1:1000 (Plan), 1:1000 (Profile) Rev: R2
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PLAN :

PLAN :

EXIST. ROAD

SP-R	: SEMI PUCCA RESI.
SP-C	: SEMI PUCCA COMM.
P-R	: PUCCA RESIDENTIAL
P-C	: PUCCA COMMERCIAL
K-R	: KUCCA RESIDENTIAL
HUT	: HUT

1000 : CONTOUR
 : PEGGY FIELD

+ + + : BOUNDARY WALL
 - - - : FENCING
 — FRW — EXISTING ROW
 — PRW — PROPOSED ROW



PROPOSED
TOE LINE

SH EDGE
D/W EDGE
E/D

 D/L
 D/W EDGE
 SH EDGE

TOE LINE
HOR. TANGENT POINT



CULVERT

 PROP. DRAIN
 FOOTPATH

B/WALL	BREAST WALL
R/WALL	RETAINING WALL

PROFILE :

100

VER. TANGENT
POINT

↓ HIGH/LOW POINT

DATUM : 930.000

PROP. LEVEL AT CENTER	EXIST. ROAD LEVEL AT CROWN		GROUND LEVEL AT PROP. C/L	GROUND LEVEL AT 7M FROM PROP. C/L		HORIZONTAL SCHEMATIC	VERTICAL SCHEMATIC	SUPER-ELEVATION SCHEMATIC	CHAINAGE (M)
	LEFT	RIGHT		LEFT	RIGHT				
	967.863	969.344	967.771	969.344	967.863				171500.0
	967.522	969.820	967.129	969.820	967.320				171510.0
	967.347	969.257	967.531	969.235	967.721				171520.0
	966.777	967.746	967.184	967.742	967.178				171530.0
	966.124	967.216	966.755	967.210	966.609				171540.0
	965.701	966.707	965.289	966.702	966.046				171550.0
	965.318	966.220	965.167	966.209	965.884				171560.0
	965.143	966.111	965.528	966.116	965.514				171570.0
	964.763	965.420	965.167	965.409	965.584				171580.0
	964.127	965.040	964.741	965.045	965.514				171590.0
	963.426	964.730	964.488	964.726	965.284				171600.0
	962.772	964.422	964.418	964.431	965.134				171610.0
	962.869	964.218	963.982	964.225	965.184				171620.0
	963.163	964.029	963.731	964.036	965.034				171630.0
	963.889	963.816	963.558	963.815	965.084				171640.0
	963.529	963.547	963.330	963.539	964.834				171650.0
	962.942	963.222	963.130	963.216	963.984				171660.0
	962.802	962.854	962.826	962.859	963.534				171670.0
	962.824	962.404	962.448	962.467	962.884				171680.0
	961.934	961.609	961.043	961.600	962.134				171690.0
	961.813	961.693	961.159	961.620	961.784				171700.0
	960.806	960.996	961.014	960.981	961.134				171710.0
	960.140	960.172	960.430	960.409	960.584				171720.0
	949.335	950.404	949.808	949.255	950.134				171730.0
	948.070	944.771	948.287	944.735	948.584				171740.0
	948.728	944.027	948.720	944.736	948.034				171750.0
	948.275	947.611	948.048	948.239	948.484				171760.0
	947.940	947.239	947.480	947.247	947.704				171770.0
	947.430	946.827	946.884	947.452	947.384				171780.0
	946.702	946.536	946.516	947.014	946.854				171790.0
	946.684	946.321	946.358	946.311	946.584				171800.0
	946.272	945.844	946.848	946.334	945.734				171810.0
	946.830	946.513	946.532	946.366	946.184				171820.0
	946.371	946.114	946.311	946.317	944.834				171830.0
	944.903	944.728	945.183	945.054	944.084				171840.0
	944.393	944.940	944.682	944.570	943.534				171850.0
	943.980	944.021	943.578	944.163	942.884				171860.0
	943.958	943.171	942.831	943.718	942.534				171870.0
	943.135	941.800	942.084	943.231	941.884				171880.0
	942.683	941.400	941.748	942.811	941.334				171890.0
	941.260	940.467	940.357	941.258	939.884				171900.0
	940.177	940.104	940.625	940.416	939.134				171910.0
	939.282	939.763	939.714	939.499	938.580				171920.0
	937.584	939.190	938.171	939.392	938.021				171930.0
	937.030	938.424	937.008	938.568	937.457				171940.0
	936.519	937.400	936.587	937.324	936.888				171950.0
	936.098	936.330	936.112	937.276	936.314				171960.0
	935.773	935.686	935.683	936.059	935.135				171970.0
	935.516	935.215	935.237	935.018	935.101				171980.0
	935.160	934.800	934.800	934.800	934.800				171990.0
	934.800	934.400	934.400	934.400	934.400				172000.0

Rev.	Date	Description
R0	31-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 2+240 TO KM 4+180 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 72+200 IN DOP & CHURCH AREA
R2	03-08-2019	REVISED ALIGNMENT/ROW BETWEEN KM 8+300 TO KM 10+800 IN RM

AUTHORITY:

 **National Highways & Infrastructure Development Corporation Ltd.**
(Ministry of Road Transport & Highways)

DESIGN CONSULTANTS:

 **Transys Consulting Pvt. Ltd.**
H-18, Sakinaka Tower, Old DLF Convent Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-425001
info@transys.in, www.transys.in

PROJECT:

Shillong - Dawki Section of NH-40

Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanning of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

DRAWN BY	SUVAN	
DESIGNED BY	SANDEEP	
CHECKED BY	KSN REDDY	
APPROVED BY	PK MUNDU	

FINAL DETAILED PROJECT REPORT

TITLE: Plan & Profile @ Km 51+500 to Km 52+000

SCALE: 1:1000 (Plan) 1:500 (Profile)

DATE: Sep. 2019

PRO. NO: TRANSYS/139/S.D.HW/BNP/104

R2

PLAN :

EXISTING	PROPOSED
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EXIST. ROAD

SP-R : SEMI PUCCA RESI:

SP-C : SEMI PUGGA COMM.

P-R PUCCA RESIDENTIAL

B-C : RUCCA COMMERCIAL

F.C. : FULLA COMMERCIAL

K-R KUECA RESIDENTIAL

HUT : HUT

—1000— : CONTOUR

REDDY FIELD

PEDESTAL FIELD
BRUNNEN WALK

BOUNDARY WALL

— : FENGING

— FRDW — EXISTING ROW

—PROG— PROPOSED ROW

PROPOSED

THE LINE

TOE LINE
5TH RIB

— BIT EDGE
— RAW EDGE

Figure 1 shows a schematic of a rectangular plate with a central hole. The plate dimensions are 100 units by 100 units. The hole has a diameter of 20 units. The plate is divided into four quadrants: TL (Top-Left), TR (Top-Right), BL (Bottom-Left), and BR (Bottom-Right). The edges are labeled: TOP EDGE, BOTTOM EDGE, LEFT EDGE, and RIGHT EDGE. The hole is labeled 'HOLE'.

C/L

_____ R/W EDGE

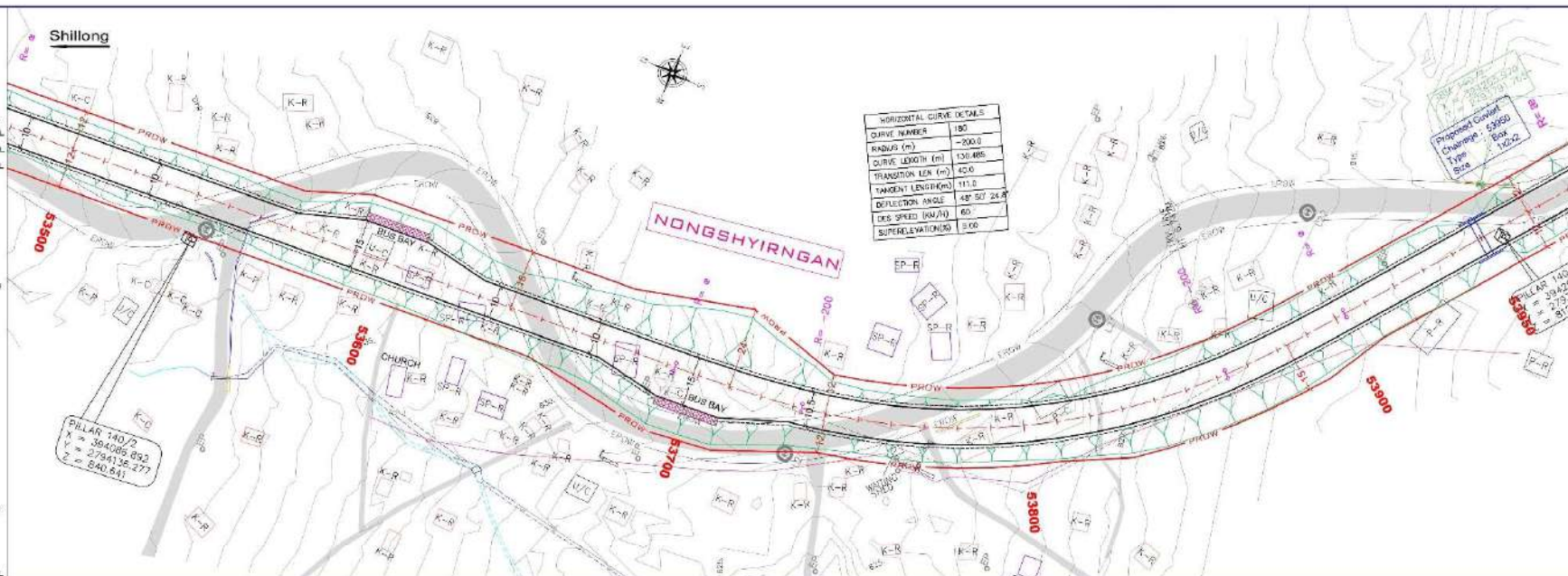
EW EDGE
EW EDGE

SR EDGE
TOE LINE

Q What is the difference between a line of credit and a loan?

HOR. TANGENT POINT

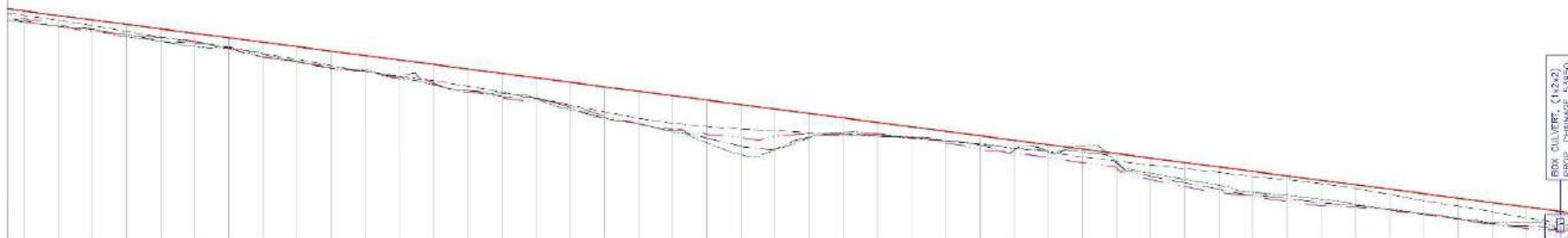
• C



PROFILE :

VER. TANGENT

POINT



DATUM : 810.000

PROP. LEVEL AT CENTER		EXIST. ROAD LEVEL AT CROWN		GROUND LEVEL AT PROP. C/L		GROUND LEVEL AT 7M FROM PROP. C/L		HORIZONTAL SCHEMATIC		VERTICAL SCHEMATIC		SUPER-ELEVATION SCHEMATIC		CHAINAGE (M)
LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT							
844.534	844.534	843.655	843.517	844.663	844.313	843.869	843.128	843.213	843.663	843.389	843.066	843.451	843.706	33500.0 - 33500.0
845.674	845.674	844.078	842.959	846.028	845.628	845.687	845.126	846.014	845.562	846.014	845.562	846.014	845.562	33500.0 - 33500.0
846.124	846.124	845.951	845.239	846.351	845.856	846.433	845.856	846.433	845.856	846.433	845.856	846.433	845.856	33500.0 - 33500.0
846.104	846.104	845.682	845.164	846.682	846.128	846.869	846.128	846.869	846.128	846.869	846.128	846.869	846.128	33500.0 - 33500.0
846.024	846.024	845.001	843.883	846.001	845.874	846.900	845.874	846.900	845.874	846.900	845.874	846.900	845.874	33500.0 - 33500.0
845.774	845.774	843.648	843.345	845.648	845.067	845.995	845.067	845.995	845.067	845.995	845.067	845.995	845.067	33500.0 - 33500.0
845.124	845.124	843.838	837.276	845.838	843.867	846.852	843.867	846.852	843.867	846.852	843.867	846.852	843.867	33500.0 - 33500.0
845.514	845.514	843.020	838.383	845.020	843.676	846.185	843.676	846.185	843.676	846.185	843.676	846.185	843.676	33500.0 - 33500.0
845.624	845.624	843.629	835.531	845.629	843.730	846.532	843.730	846.532	843.730	846.532	843.730	846.532	843.730	33500.0 - 33500.0
845.774	845.774	843.638	834.760	845.638	843.437	846.673	843.437	846.673	843.437	846.673	843.437	846.673	843.437	33500.0 - 33500.0
845.824	845.824	843.633	834.141	845.633	843.574	846.810	843.574	846.810	843.574	846.810	843.574	846.810	843.574	33500.0 - 33500.0
845.974	845.974	843.713	833.372	845.713	843.722	846.951	843.722	846.951	843.722	846.951	843.722	846.951	843.722	33500.0 - 33500.0
846.024	846.024	843.586	832.496	845.586	843.325	847.012	843.325	847.012	843.325	847.012	843.325	847.012	843.325	33500.0 - 33500.0
846.174	846.174	843.575	831.531	845.575	843.464	847.139	843.464	847.139	843.464	847.139	843.464	847.139	843.464	33500.0 - 33500.0
846.224	846.224	843.569	830.859	845.569	843.597	847.267	843.597	847.267	843.597	847.267	843.597	847.267	843.597	33500.0 - 33500.0
846.274	846.274	843.564	830.184	845.564	843.686	847.394	843.686	847.394	843.686	847.394	843.686	847.394	843.686	33500.0 - 33500.0
846.324	846.324	843.559	829.514	845.559	843.775	847.521	843.775	847.521	843.775	847.521	843.775	847.521	843.775	33500.0 - 33500.0
846.374	846.374	843.554	828.844	845.554	843.864	847.648	843.864	847.648	843.864	847.648	843.864	847.648	843.864	33500.0 - 33500.0
846.424	846.424	843.549	828.174	845.549	843.953	847.775	843.953	847.775	843.953	847.775	843.953	847.775	843.953	33500.0 - 33500.0
846.474	846.474	843.544	827.504	845.544	844.042	847.902	844.042	847.902	844.042	847.902	844.042	847.902	844.042	33500.0 - 33500.0
846.524	846.524	843.539	826.834	845.539	844.131	848.029	844.131	848.029	844.131	848.029	844.131	848.029	844.131	33500.0 - 33500.0
846.574	846.574	843.534	826.164	845.534	844.220	848.156	844.220	848.156	844.220	848.156	844.220	848.156	844.220	33500.0 - 33500.0
846.624	846.624	843.529	825.494	845.529	844.309	848.283	844.309	848.283	844.309	848.283	844.309	848.283	844.309	33500.0 - 33500.0
846.674	846.674	843.524	824.824	845.524	844.398	848.410	844.398	848.410	844.398	848.410	844.398	848.410	844.398	33500.0 - 33500.0
846.724	846.724	843.519	824.154	845.519	844.487	848.537	844.487	848.537	844.487	848.537	844.487	848.537	844.487	33500.0 - 33500.0
846.774	846.774	843.514	823.484	845.514	844.576	848.664	844.576	848.664	844.576	848.664	844.576	848.664	844.576	33500.0 - 33500.0
846.824	846.824	843.509	822.814	845.509	844.665	848.791	844.665	848.791	844.665	848.791	844.665	848.791	844.665	33500.0 - 33500.0
846.874	846.874	843.504	822.144	845.504	844.754	848.918	844.754	848.918	844.754	848.918	844.754	848.918	844.754	33500.0 - 33500.0
846.924	846.924	843.499	821.474	845.499	844.843	849.045	844.843	849.045	844.843	849.045	844.843	849.045	844.843	33500.0 - 33500.0
846.974	846.974	843.494	820.804	845.494	844.932	849.172	844.932	849.172	844.932	849.172	844.932	849.172	844.932	33500.0 - 33500.0
847.024	847.024	843.489	820.134	845.489	845.021	849.299	845.021	849.299	845.021	849.299	845.021	849.299	845.021	33500.0 - 33500.0
847.074	847.074	843.484	819.464	845.484	845.110	849.426	845.110	849.426	845.110	849.426	845.110	849.426	845.110	33500.0 - 33500.0
847.124	847.124	843.479	818.794	845.479	845.199	849.553	845.199	849.553	845.199	849.553	845.199	849.553	845.199	33500.0 - 33500.0
847.174	847.174	843.474	818.124	845.474	845.288	849.680	845.288	849.680	845.288	849.680	845.288	849.680	845.288	33500.0 - 33500.0
847.224	847.224	843.469	817.454	845.469	845.377	849.807	845.377	849.807	845.377	849.807	845.377	849.807	845.377	33500.0 - 33500.0
847.274	847.274	843.464	816.784	845.464	845.466	849.934	845.466	849.934	845.466	849.934	845.466	849.934	845.466	33500.0 - 33500.0
847.324	847.324	843.459	816.114	845.459	845.555	850.061	845.555	850.061	845.555	850.061	845.555	850.061	845.555	33500.0 - 33500.0
847.374	847.374	843.454	815.444	845.454	845.644	850.188	845.644	850.188	845.644	850.188	845.644	850.188	845.644	33500.0 - 33500.0
847.424	847.424	843.449	814.774	845.449	845.733	850.315	845.733	850.315	845.733	850.315	845.733	850.315	845.733	33500.0 - 33500.0
847.474	847.474	843.444	814.104	845.444	845.822	850.442	845.822	850.442	845.822	850.442	845.822	850.442	845.822	33500.0 - 33500.0
847.524	847.524	843.439	813.434	845.439	845.911	850.569	845.911	850.569	845.911	850.569	845.911	850.569	845.911	33500.0 - 33500.0
847.574	847.574	843.434	812.764	845.434	846.000	850.696	846.000	850.696	846.000	850.696	846.000	850.696	846.000	33500.0 - 33500.0
847.624	847.624	843.429	812.094	845.429	846.089	850.823	846.089	850.823	846.089	850.823	846.089	850.823	846.089	33500.0 - 33500.0
847.674	847.674	843.424	811.424	845.424	846.178	850.950	846.178	850.950	846.178	850.950	846.178	850.950	846.178	33500.0 - 33500.0
847.724	847.724	843.419	810.754	845.419	846.267	851.077	846.267	851.077	846.267	851.077	846.267	851.077	846.267	33500.0 - 33500.0
847.774	847.774	843.414	810.084	845.414	846.356	851.204	846.356	851.204	846.356	851.204	846.356	851.204	846.356	33500.0 - 33500.0
847.824	847.824	843.409	809.414	845.409	846.445	851.331	846.445	851.331	846.445	851.331	846.445	851.331	846.445	33500.0 - 33500.0
847.874	847.874	843.404	808.744	845.404	846.534	851.458	846.534	851.458	846.534	851.458	846.534	851.458	846.534	33500.0 - 33500.0
847.924	847.924	843.399	808.074	845.399	846.623	851.585	846.623	851.585	846.623	851.585	846.623	851.585	846.623	33500.0 - 33500.0
847.974	847.974	843.394	807.404	845.394	846.712	851.712	846.712	851.712	846.712	851.712	846.712	851.712	846.712	33500.0 - 33500.0
848.024	848.024	843.389	806.734	845.389	846.801	851.839	846.801	851.839	846.801	851.839	846.801	851.839	846.801	33500.0 - 33500.0
848.074	848.074	843.384	806.064	845.384	846.890	851.966	846.890	851.966	846.890	851.966	846.890	851.966	846.890	33500.0 - 33500.0
848.124	848.124	843.379	805.394	845.379	846.979	852.093	846.979	852.093	846.979	852.093	846.979	852.093	846.979	33500.0 - 33500.0
848.174	848.174	843.374	804.724	845.374	847.068	852.220	847.068	852.220	847.068	852.220	847.068	852.220	847.068	33500.0 - 33500.0
848.224	848.224	843.369	804.054	845.369	847.157	852.347	847.157	852.347	847.157	852.347	847.157	852.347	847.157	33500.0 - 33500.0
848.274	848.274	843.364	803.384	845.364	847.246	852.474	847.246	852.474	847.246	852.474	847.246	852.474	847.246	33500.0 - 33500.0
848.324	848.324	843.359	802.714	845.359	847.335	852.601	847.335	852.601	847.335	852.601	847.335	852.601	847.335	33500.0 - 33500.0
848.374	848.374	843.354	802.044	845.354	847.424	852.728	847.424	852.728	847.424	852.728	847.424	852.728	847.424	33500.0 - 33500.0
848.424	848.424	843.349	801.374	845.349	847.513	852.855	847.513	852.855	847.513	852.855	847.513	852.855	847.513	33500.0 - 33500.0
848.474	848.474	843.344	800.704	845.344	847.602	852.982	847.602	852.982	847.602	852.982	847.602	852.982	847.602	33500.0 - 33500.0
848.524	848.524	843.339	800.034	845.339	847.691	853.109	847.691	853.109	847.691	853.109	847.691	853.109	847.691	33500.0 - 33500.0
848.574	848.574	843.334	799.364	845.334	847.780	853.236	847.780	853.236	847.780	853.236	847.780	853.236	847.780	33500.0 - 33500.0
848.624	848.624	843.329	798.694	845.329	847.869	853.363	847.869	853.363	847.869	853.363	847.869	853.363	847.869	33500.0 - 33500.0
848.674	848.674													

Rev.	Date	Description
RC	21-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 2+200 TO KM 4+180 IN FOREST AREA
R1	09-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 70+200 IN POOL & CHURCH AREA
R2	23-08-2019	REVISED ALIGNMENT/ROW BETWEEN KM 8+300 TO KM 10+000 & KM 531+900 TO KM 541+000

AUTHORITY:

 **National Highways & Infrastructure Development Corporation Ltd.**
(Ministry of Road Transport & Highways)

DESIGN CONSULTANTS:

 **Transys Consulting Pvt. Ltd.**
NM-8, Sansa Tower, Old DLF Corridor Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-4250091
info@transys.in; www.transys.in

PROJECT:

Shillong - Dawki Section of NH-40

Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lining of NH-40 Between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

DRAWN BY	SUMAN	
DESIGNED BY	SANDEEP	
CHECKED BY	KSN REDDY	
APPROVED BY	PK KUNDU	

**FINAL DETAILED
PROJECT
REPORT**

DATE: Sep. 2019

TITLE: **Plan & Profile** (From Km 53+500 to Km 53+950)

SCALE: 1:1000 (H) 1:500 (V) (See Sheet)

REV: R2

DRG. NO: **TRANSYS/139/S-D/HW/PNP/108**

PLAN :

100

EXIST. ROAD

SP-R : SEMI PUCCA RESI.

SP-C : SEMI PUGGA COMM

P-R : PUCCA RESIDENTIA

P-C : PUCCA COMMERCIA

K-R : KUCCA RESIDENTIA

HUT : HUT

1000 — CONTENTS

5000 - CONTOUR

: PEDDY FIELD

--- : BOUNDARY WALL

— : FENGING

— FROW — EXISTING ROW

PROG	PROPOSED ROW
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PROPOSED

The diagram shows a horizontal line with a vertical line segment extending upwards from its left end. The label "TOE LINE" is positioned to the right of the horizontal line.

SH EDGE

D/W EDGE

C/L

2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 26

0.449 0.450 0.451 0.452 0.453

Diagram illustrating the formation of the letter 'y' on a baseline and a dashed midline.

THE LINE

FOR TANGENT POINT

Figure 1

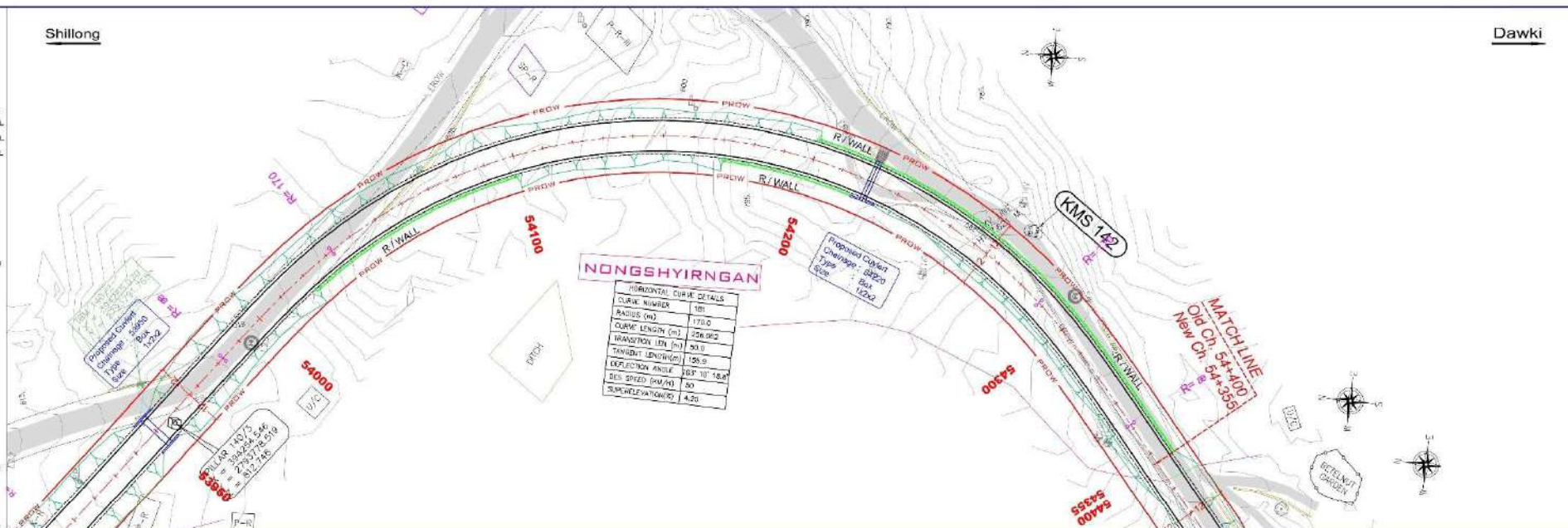
 CULVERT

1

PROP. DRAIN

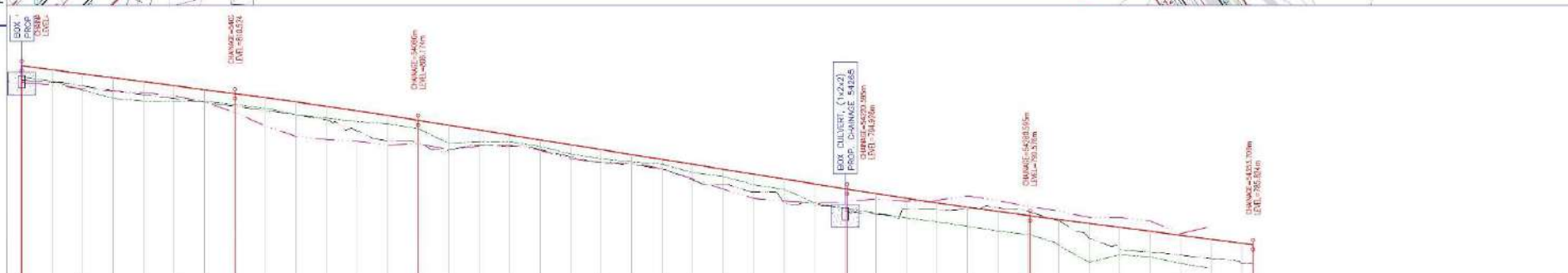
Shillong

Dawki



PROFILE :

VER. TA



DATUM : 780.000

PROP. LEVEL AT CENTER		EXIST. ROAD LEVEL AT CROWN		GROUND LEVEL AT PROP. C/L		GROUND LEVEL AT 7M FROM PROP. C/L		HORIZONTAL SCHEMATIC		VERTICAL SCHEMATIC		SUPER ELEVATION SCHEMATIC		CHAINAGE (M)	
						LEFT	RIGHT								
815.774		815.85		815.85		815.333	815.784							83950	
814.424		813.34		813.34		813.938	813.582							83960	
813.174		811.79		811.79		813.346	811.122							83970	
813.124		810.47		810.47		813.018	809.255							83980	
812.574		810.36		810.36		813.728	809.308							83990	
811.324		809.41		809.41		813.181	809.212							84000	
811.174		809.07		809.07		813.187	809.246							84010	
810.524		808.46		808.46		813.430	807.788							84020	
809.882		807.72		807.72		813.224	808.114							84030	
809.174		807.070		807.070		813.538	807.132							84040	
808.482		806.232		806.232		813.641	806.534							84050	
807.124		804.387		804.387		813.749	805.884							84060	
806.882		802.836		802.836		813.187	805.682							84070	
806.174		802.474		802.474		813.324	804.884							84080	
805.174		801.285		801.285		813.377	802.433							84090	
804.574		802.172		802.172		813.181	802.879							84100	
803.174		801.887		801.887		813.079	802.853							84110	
802.174		801.375		801.375		813.248	801.872							84120	
802.174		800.330		800.330		813.924	800.702							84130	
799.174		799.251		799.251		813.149	799.884							84140	
798.174		798.112		798.112		813.247	798.379							84150	
797.174		798.449		798.449		813.338	798.554							84160	
798.174		798.502		798.502		813.583	797.833							84170	
798.174		798.116		798.116		813.882	798.380							84180	
797.174		798.449		798.449		813.338	798.554							84190	
798.174		798.502		798.502		813.583	797.833							84200	
798.174		798.116		798.116		813.882	798.380							84210	
797.174		798.449		798.449		813.338	798.554							84220	
798.174		798.502		798.502		813.583	797.833							84230	
798.174		798.116		798.116		813.882	798.380							84240	
797.174		798.449		798.449		813.338	798.554							84250	
798.174		798.502		798.502		813.583	797.833							84260	
798.174		798.116		798.116		813.882	798.380							84270	
797.174		798.449		798.449		813.338	798.554							84280	
798.174		798.502		798.502		813.583	797.833							84290	
798.174		798.116		798.116		813.882	798.380							84300	
797.174		798.449		798.449		813.338	798.554							84310	
798.174		798.502		798.502		813.583	797.833							84320	
798.174		798.116		798.116		813.882	798.380							84330	
797.174		798.449		798.449		813.338	798.554							84340	
798.174		798.502		798.502		813.583	797.833							84350	
798.174		798.116		798.116		813.882	798.380							84360	
797.174		798.449		798.449		813.338	798.554							84370	
798.174		798.502		798.502		813.583	797.833							84380	
798.174		798.116		798.116		813.882	798.380							84390	
797.174		798.449		798.449		813.338	798.554							84400	

Rev.	Date	Description
RC	21-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 2+200 TO KM 4+180 IN FOREST AREA
R1	09-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 70+200 IN POOL & CHURCH AREA
R2	23-08-2019	REVISED ALIGNMENT/ROW BETWEEN KM 8+300 TO KM 10+000 & KM 531+900 TO KM 541+000

AUTHORITY:

 **National Highways & Infrastructure Development Corporation Ltd.**
(Ministry of Road Transport & Highways)

DESIGN CONSULTANTS:

 **Transys Consulting Pvt. Ltd.**
NM-8, Sansa Tower, Old DLF, Connaught Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-4250091
info@transys.in, www.transys.in

PROJECT: **Shillong - Dawki Section of NH-40**
Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanes of NH-40 Between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

DRAWN BY:	SUNAN	
DESIGNED BY:	SANDEEP	
CHECKED BY:	KSN REDDY	
APPROVED BY:	PK KUNDU	

**FINAL DETAILED
PROJECT
REPORT**

DATE: Sep. 2019

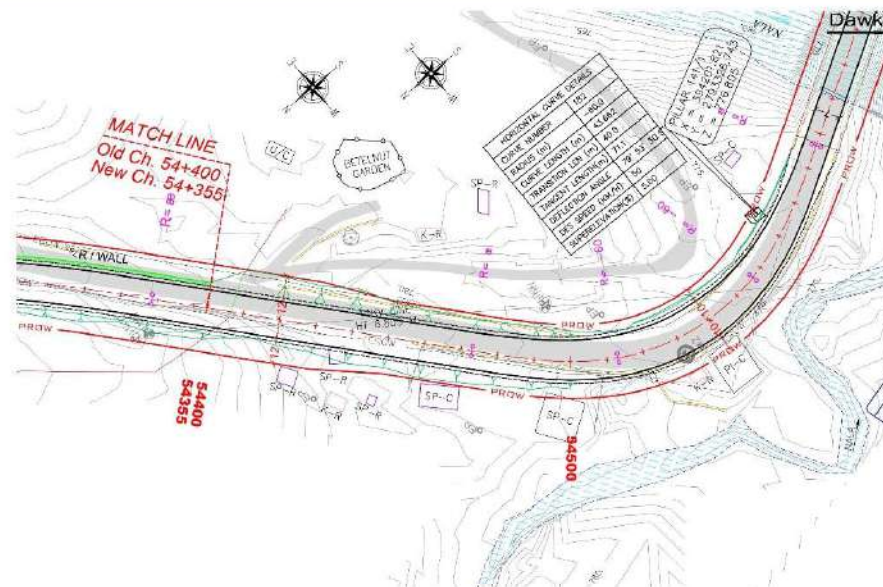
TITLE: **Plan & Profile** (From Km 53+950 to Km 54+355)
 SCALE: 1:1000 (Plan) 1:500 (Profile)
 PROJ. NO: **TRANSYS/139/S-D/HW/PNP/108**

LEGEND :

PLAN :

EXISTING	
EXIST. ROAD	
SP-R : SEMI PUCCA RESI.	
SP-C : SEMI PUCCA COMM.	
P-R : PUCCA RESIDENTIAL	
P-C : PUCCA COMMERCIAL	
K-R : KUCCA RESIDENTIAL	
HUT : HUT	
CONTOUR	
PEDDY FIELD	
BOUNDARY WALL	
FENCING	
EXISTING ROW	
PROPOSED ROW	
PROPOSED	
TDE LINE	
SH EDGE	
CW EDGE	
C/L	
CW EDGE	
SH EDGE	
TDE LINE	
HOR. TANGENT POINT	
CULVERT	
PROP. DRAIN	
FOOTPATH	
B/WALL : BREAST WALL	
R/WALL : RETAINING WALL	

Shillong



PROFILE :

VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 760.000

PROP. LEVEL AT CENTER

EXIST. ROAD LEVEL AT CROWN

GROUND LEVEL AT PROP. C/L

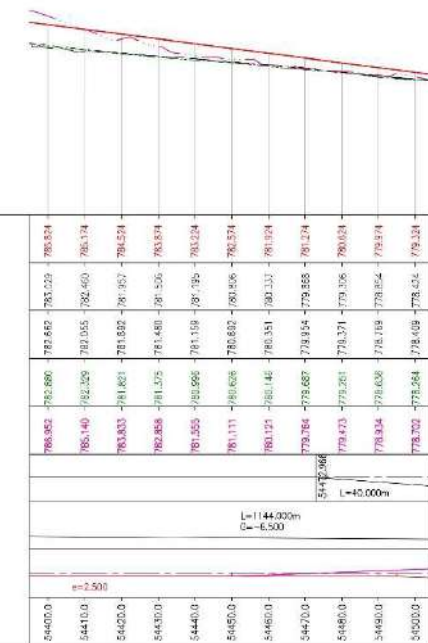
GROUND LEVEL AT 7M FROM PROP. C/L

HORIZONTAL SCHEMATIC

VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)



Rev.	Date	Description
R0	01-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 54+200 TO KM 54+700 IN FOREST AREA
R1	06-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 75+300 IN OSP & CHURCH AREA
R2	03-02-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+000 TO KM 10+000 & KM 10+300 TO KM 54+400

	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
--	--

	Transsys Consulting Pvt. Ltd. Plot 6, Sankar Tower, Old DLF, Connaught Place, Sector-14, Gurgaon-122 001. Tel: 0124-4201012 info@transsys.in, www.transsys.in
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Project: Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanning of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	Drawn By: SUVAR Designed By: SANDEEP Checked By: KSN REDDY Approved By: PK KUNDU
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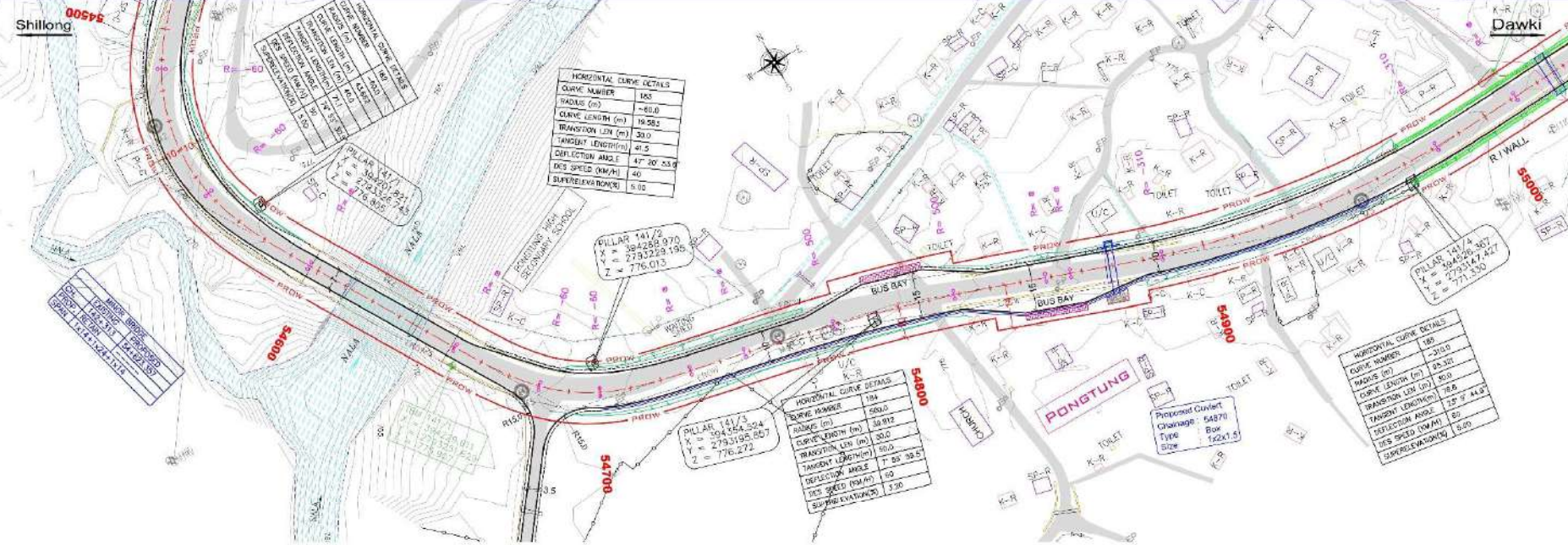
FINAL DETAILED PROJECT REPORT DATE: Sep. 2019 DRG. NO.: TRANSYS/139/S-D/HW/PNP/ 109	Rev.: R2
--	---------------------------

Title: Plan & Profile (From Km 54+400 to Km 54+500) Scale: 1:1000 (Plan) 1:100 (Profile) DATE: Sep. 2019 DRG. NO.: TRANSYS/139/S-D/HW/PNP/ 109	Rev.: R2
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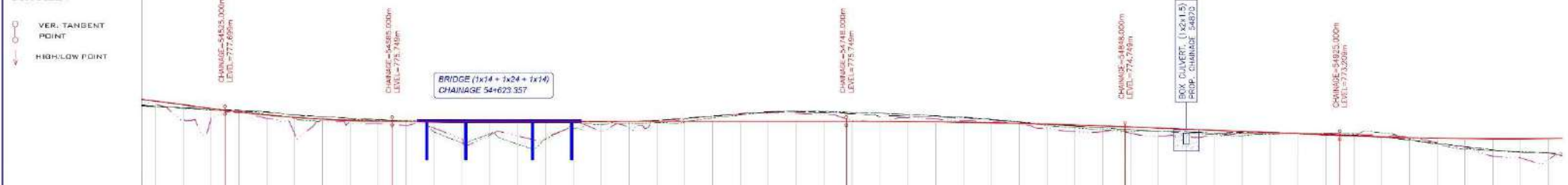
LEGEND :

PLAN :

EXISTING	
EXIST. ROAD	
SP-R : SEMI PUCCA RESI.	
SP-C : SEMI PUCCA COMM.	
P-R : PUCCA RESIDENTIAL	
P-C : PUCCA COMMERCIAL	
K-R : KUCCA RESIDENTIAL	
HUT : HUT	
CONTOUR	
PEDDY FIELD	
BOUNDARY WALL	
FENDING	
FBW : EXISTING ROW	
PROW : PROPOSED ROW	
PROPOSED	
TDE LINE	
SH EDGE	
CW EDGE	
C/L	
CW EDGE	
SH EDGE	
TDE LINE	
HOR. TANGENT POINT	
CULVERT	
PROP. DRAIN	
FOOTPATH	
B/WALL : BREAST WALL	
R/WALL : RETAINING WALL	



PROFILE :



DATUM : 760.000	
PROP. LEVEL AT CENTER	778.324
EXIST. ROAD LEVEL AT CROWN	778.324
GROUND LEVEL AT PROP. C/L	778.324
GROUND LEVEL AT 7M FROM PROP. C/L	778.324
HORIZONTAL SCHEMATIC	778.324
VERTICAL SCHEMATIC	778.324
SUPER ELEVATION SCHEMATIC	778.324
CHAINAGE (M)	778.324

PLAN :

EXISTING	PROPOSED
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100	100

EXIST. ROAD

SP-R	: SEMI PUCCA RESID.
SP-C	: SEMI PUCCA COMM.
P-R	: PUCCA RESIDENTIAL
P-C	: PUCCA COMMERCIAL
K-R	: KUCCA RESIDENTIAL
HUT	: HUT

-  : CONTOUR
-  : PADDY FIELD
-  : BOUNDARY WALL
-  : FENCING

— FRW — EXISTING ROW

—PROG— PROPOSED ROW

PROPOSED

THE LINE

DAY EDGE

1000

Diagram of a rectangular plate with a horizontal line across its center. The line is labeled "D/W EDGE" at its right end.

SH EDGE

TOE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

PROFILE :

1000

VER. TANGENT

DATUM : 760.000

PROP. LEVEL AT CENTER	772.440	772.115	772.615	772.840	773.115	773.315	773.516	773.815	774.109	774.509	774.749	775.009	775.209	775.509	775.809	776.109	776.209	776.509	776.809	777.109	777.409	777.609	777.909	778.209	778.509	778.809	779.109	779.409	779.709	780.009	780.309	780.609	780.909	781.209	781.509	781.809	782.109	782.409	782.709	783.009	783.309	783.609	783.909	784.209	784.509	784.809	785.109	785.409	785.709	786.009	786.309	786.609	786.909	787.209	787.509	787.809	788.109	788.409	788.709	789.009	789.309	789.609	789.909	790.209	790.509	790.809	791.109	791.409	791.709	792.009	792.309	792.609	792.909	793.209	793.509	793.809	794.109	794.409	794.709	795.009	795.309	795.609	795.909	796.209	796.509	796.809	797.109	797.409	797.709	798.009	798.309	798.609	798.909	799.209	799.509	799.809	800.109	800.409	800.709	801.009	801.309	801.609	801.909	802.209	802.509	802.809	803.109	803.409	803.709	804.009	804.309	804.609	804.909	805.209	805.509	805.809	806.109	806.409	806.709	807.009	807.309	807.609	807.909	808.209	808.509	808.809	809.109	809.409	809.709	810.009	810.309	810.609	810.909	811.209	811.509	811.809	812.109	812.409	812.709	813.009	813.309	813.609	813.909	814.209	814.509	814.809	815.109	815.409	815.709	816.009	816.309	816.609	816.909	817.209	817.509	817.809	818.109	818.409	818.709	819.009	819.309	819.609	819.909	820.209	820.509	820.809	821.109	821.409	821.709	822.009	822.309	822.609	822.909	823.209	823.509	823.809	824.109	824.409	824.709	825.009	825.309	825.609	825.909	826.209	826.509	826.809	827.109	827.409	827.709	828.009	828.309	828.609	828.909	829.209	829.509	829.809	830.109	830.409	830.709	831.009	831.309	831.609	831.909	832.209	832.509	832.809	833.109	833.409	833.709	834.009	834.309	834.609	834.909	835.209	835.509	835.809	836.109	836.409	836.709	837.009	837.309	837.609	837.909	838.209	838.509	838.809	839.109	839.409	839.709	840.009	840.309	840.609	840.909	841.209	841.509	841.809	842.109	842.409	842.709	843.009	843.309	843.609	843.909	844.209	844.509	844.809	845.109	845.409	845.709	846.009	846.309	846.609	846.909	847.209	847.509	847.809	848.109	848.409	848.709	849.009	849.309	849.609	849.909	850.209	850.509	850.809	851.109	851.409	851.709	852.009	852.309	852.609	852.909	853.209	853.509	853.809	854.109	854.409	854.709	855.009	855.309	855.609	855.909	856.209	856.509	856.809	857.109	857.409	857.709	858.009	858.309	858.609	858.909	859.209	859.509	859.809	860.109	860.409	860.709	861.009	861.309	861.609	861.909	862.209	862.509	862.809	863.109	863.409	863.709	864.009	864.309	864.609	864.909	865.209	865.509	865.809	866.109	866.409	866.709	867.009	867.309	867.609	867.909	868.209	868.509	868.809	869.109	869.409	869.709	870.009	870.309	870.609	870.909	871.209	871.509	871.809	872.109	872.409	872.709	873.009	873.309	873.609	873.909	874.209	874.509	874.809	875.109	875.409	875.709	876.009	876.309	876.609	876.909	877.209	877.509	877.809	878.109	878.409	878.709	879.009	879.309	879.609	879.909	880.209	880.509	880.809	881.109	881.409	881.709	882.009	882.309	882.609	882.909	883.209	883.509	883.809	884.109	884.409	884.709	885.009	885.309	885.609	885.909	886.209	886.509	886.809	887.109	887.409	887.709	888.009	888.309	888.609	888.909	889.209	889.509	889.809	890.109	890.409	890.709	891.009	891.309	891.609	891.909	892.209	892.509	892.809	893.109	893.409	893.709	894.009	894.309	894.609	894.909	895.209	895.509	895.809	896.109	896.409	896.709	897.009	897.309	897.609	897.909	898.209	898.509	898.809	899.109	899.409	899.709	900.009	900.309	900.609	900.909	901.209	901.509	901.809	902.109	902.409	902.709	903.009	903.309	903.609	903.909	904.209	904.509	904.809	905.109	905.409	905.709	906.009	906.309	906.609	906.909	907.209	907.509	907.809	908.109	908.409	908.709	909.009	909.309	909.609	909.909	910.209	910.509	910.809	911.109	911.409	911.709	912.009	912.309	912.609	912.909	913.209	913.509	913.809	914.109	914.409	914.709	915.009	915.309	915.609	915.909	916.209	916.509	916.809	917.109	917.409	917.709	918.009	918.309	918.609	918.909	919.209	919.509	919.809	920.109	920.409	920.709	921.009	921.309	921.609	921.909	922.209	922.509	922.809	923.109	923.409	923.709	924.009	924.309	924.609	924.909	925.209	925.509	925.809	926.109	926.409	926.709	927.009	927.309	927.609	927.909	928.209	928.509	928.809	929.109	929.409	929.709	930.009	930.309	930.609	930.909	931.209	931.509	931.809	932.109	932.409	932.709	933.009	933.309	933.609	933.909	934.209	934.509	934.809	935.109	935.409	935.709	936.009	936.309	936.609	936.909	937.209	937.509	937.809	938.109	938.409	938.709	939.009	939.309	939.609	939.909	940.209	940.509	940.809	941.109	941.409	941.709	942.009	942.309	942.609	942.909	943.209	943.509	943.809	944.109	944.409	944.709	945.009	945.309	945.609	945.909	946.209	946.509	946.809	947.109	947.409	947.709	948.009	948.309	948.609	948.909	949.209	949.509	949.809	950.109	950.409	950.709	951.009	951.309	951.609	951.909	952.209	952.509	952.809	953.109	953.409	953.709	954.009	954.309	954.609	954.909	955.209	955.509	955.809	956.109	956.409	956.709	957.009	957.309	957.609	957.909	958.209	958.509	958.809	959.109	959.409	959.709	960.009	960.309	960.609	960.909	961.209	961.509	961.809	962.109	962.409	962.709	963.009	963.309	963.609	963.909	964.209	964.509	964.809	965.109	965.409	965.709	966.009	966.309	966.609	966.909	967.209	967.509	967.809	968.109	968.409	968.709	969.009	969.309	969.609	969.909	970.209	970.509	970.809	971.109	971.409	971.709	972.009	972.309	972.609	972.909	973.209	973.509	973.809	974.109	974.409	974.709	975.009	975.309	975.609	975.909	976.209	976.509	976.809	977.109	977.409	977.709	978.009	978.309	978.609	978.909	979.209	979.509	979.809	980.109	980.409	980.709	981.009	981.309	981.609	981.909	982.209	982.509	982.809	983.109	983.409	983.709	984.009	984.309	984.609	984.909	985.209	985.509	985.809	986.109	986.409	986.709	987.009	987.309	987.609	987.909	988.209	988.509	988.809	989.109	989.409	989.709	990.009	990.309	990.609	990.909	991.209	991.509	991.809	992.109	992.409	992.709	993.009	993.309	993.609	993.909	994.209	994.509	994.809	995.109	995.409	995.709	996.009	996.309	996.609	996.909	997.209	997.509	997.809	998.109	998.409	998.709	999.009	999.309	999.609	999.909	1000.209	1000.509	1000.809	1001.109	1001.409	1001.709	1002.009	1002.309	1002.609	1002.909	1003.209	1003.509	1003.809	1004.109	1004.409	1004.709	1005.009	1005.309	1005.609	1005.909	1006.209	1006.509	1006.809	1007.109	1007.409	1007.709	1008.009	1008.309	1008.609	1008.909	1009.209	1009.509	1009.809	1010.109	1010.409	1010.709	1011.009	1011.309	1011.609	1011.909	1012.209	1012.509	1012.809	1013.109	1013.409	1013.709	1014.009	1014.309	1014.609	1014.909	1015.209	1015.509	1015.809	1016.109	1016.409	1016.709	1017.009	1017.309	1017.609	1017.909	1018.209	1018.509	1018.809	1019.109	1019.409	1019.709	1020.009	1020.309	1020.609	1020.909	1021.209	1021.509	1021.809	1022.109	1022.409	1022.709	1023.009	1023.309	1023.609	1023.909	1024.209	1024.509	1024.809	1025.109	1025.409	1025.709	1026.009	1026.309	1026.609	1026.909	1027.209	1027.509	1027.809	1028.109	1028.409	1028.709	1029.009	1029.309	1029.609	1029.909	1030.209	1030.509	1030.809	1031.109	1031.409	1031.709	1032.009	1032.309	1032.609	1032.909	1033.209	1033.509	1033.809	1034.109	1034.409	1034.709	1035.009	1035.309	1035.609	1035.909	1036.209	1036.509	1036.809	1037.109	1037.409	1037.709	1038.009	1038.309	1038.609	1038.909	1039.209	1039.509	1039.809	1040.109	1040.409	1040.709	1041.009	1041.309	1041.609	1041.909	1042.209	1042.509	1042.809	1043.109	1043.409	1043.709	1044.009	1044.309	1044.609	1044.909	1045.209	1045.509	1045.809	1046.109	1046.409	1046.709	1047.009	1047.309	1047.609	1047.909	1048.209	1048.509	1048.809	1049.109	1049.409	1049.709	1050.009	1050.309	1050.609	1050.909	1051.209	1051.509	1051.809	1052.109	1052.409	1052.709	1053.009	1053.309	1053.609	1053.909	1054.209	1054.509	1054.809	1055.109	1055.409	1055.709	1056.009	1056.309	1056.609	1056.909	1057.209	1057.509	1057.809	1058.109	1058.409	1058.709	1059.009	1059.309	1059.609	1059.909	1060.209	1060.509	1060.809	1061.109	1061.409	1061.709	1062.009	1062.309	1062.609	1062.909	1063.209	1063.509	1063.809	1064.109	1064.409	1064.709	1065.009	1065.309	1065.609	1065.909	1066.209	1066.509	1066.809	1067.109	1067.409	1067.709	1068.009	1068.309	1068.609	1068.909	1069.209	1069.509	1069.809	1070.109	1070.409	1070.709	1071.009	1071.309	1071.609	1071.909	1072.209	1072.509	1072.809	1073.109	1073.409	1073.709	1074.009	1
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Rev.	Date	Description
R0	31-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 2+200 TO KM 4+180 IN FOREST AREA
R1	04-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 72+700 IN DCP & CHURCH AREA
R2	03-02-2019	REVISED ALIGNMENT/ROW BETWEEN KM 5+800 TO KM 10+800 & KM

AUTHORITY:

 **National Highways & Infrastructure Development Corporation Ltd.**
(Ministry of Road Transport & Highways)

DESIGN CONSULTANTS:

 **Transys Consulting Pvt. Ltd.**
N/A-15, Sansa Tower, Old DLF Corridor Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-425007
info@transys.in, www.transys.in

PROJECT:	Shillong - Dawki Section of NH-40	DRAWN BY:	SUNAM
	Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / A Lining of NH-40 from Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	DESIGNED BY:	SANDEEP
		CHECKED BY:	KSH. REDDY
		APPROVED BY:	DR. RAJESH

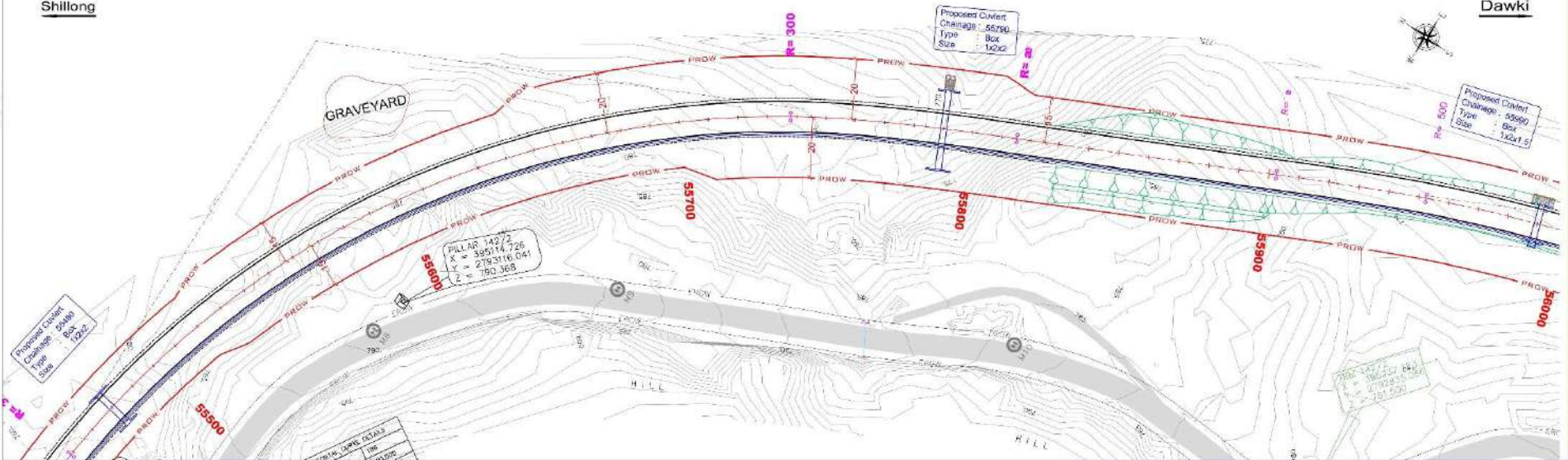
FINAL DETAILED PROJECT REPORT	TITLE: Plan & Profile (From X to 55+000 to X to 55+500)	R2
DATE: Sep. 2019	DRG NO: TRANSYS/139/S.D.HW/PND/111	

LEGEND :

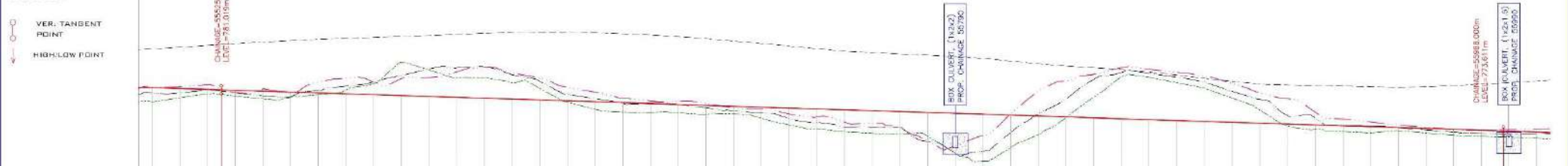
PLAN :

EXISTING	
EXIST. ROAD	
SP-R : SEMI PUCCA RESI.	
SP-C : SEMI PUCCA COMM.	
P-R : PUCCA RESIDENTIAL	
P-C : PUCCA COMMERCIAL	
K-R : KUCCA RESIDENTIAL	
HUT : HUT	
CONTOUR	
PEDDY FIELD	
BOUNDARY WALL	
FENCING	
EXIST. ROW	
PROPOSED ROW	
PROPOSED	
T.O.E. LINE	
S.H. EDGE	
C.W. EDGE	
C/L	
C.W. EDGE	
S.H. EDGE	
T.O.E. LINE	
HOR. TANGENT POINT	
CULVERT	
PROP. DRAIN	
FOOTPATH	
B/WALL : BREAST WALL	
R/WALL : RETAINING WALL	

Shillong



PROFILE :



DATUM : 760.000

PROP. LEVEL AT CENTER		781.387	781.375	781.362	781.349	781.336	781.323	781.310	781.297	781.284	781.271	781.258	781.245	781.232	781.219	781.206	781.193	781.180	781.167	781.154	781.141	781.128	781.115	781.102	781.089	781.076	781.063	781.050	781.037	781.024	781.011	780.998	780.985	780.972	780.959	780.946	780.933	780.920	780.907	780.894	780.881	780.868	780.855	780.842	780.829	780.816	780.803	780.790	780.777	780.764	780.751	780.738	780.725	780.712	780.699	780.686	780.673	780.660	780.647	780.634	780.621	780.608	780.595	780.582	780.569	780.556	780.543	780.530	780.517	780.504	780.491	780.478	780.465	780.452	780.439	780.426	780.413	780.400	780.387	780.374	780.361	780.348	780.335	780.322	780.309	780.296	780.283	780.270	780.257	780.244	780.231	780.218	780.205	780.192	780.179	780.166	780.153	780.140	780.127	780.114	780.101	780.088	780.075	780.062	780.049	780.036	780.023	780.010	779.997	779.984	779.971	779.958	779.945	779.932	779.919	779.906	779.893	779.880	779.867	779.854	779.841	779.828	779.815	779.802	779.789	779.776	779.763	779.750	779.737	779.724	779.711	779.698	779.685	779.672	779.659	779.646	779.633	779.620	779.607	779.594	779.581	779.568	779.555	779.542	779.529	779.516	779.503	779.490	779.477	779.464	779.451	779.438	779.425	779.412	779.399	779.386	779.373	779.360	779.347	779.334	779.321	779.308	779.295	779.282	779.269	779.256	779.243	779.230	779.217	779.204	779.191	779.178	779.165	779.152	779.139	779.126	779.113	779.100	779.087	779.074	779.061	779.048	779.035	779.022	779.009	778.996	778.983	778.970	778.957	778.944	778.931	778.918	778.905	778.892	778.879	778.866	778.853	778.840	778.827	778.814	778.801	778.788	778.775	778.762	778.749	778.736	778.723	778.710	778.697	778.684	778.671	778.658	778.645	778.632	778.619	778.606	778.593	778.580	778.567	778.554	778.541	778.528	778.515	778.502	778.489	778.476	778.463	778.450	778.437	778.424	778.411	778.398	778.385	778.372	778.359	778.346	778.333	778.320	778.307	778.294	778.281	778.268	778.255	778.242	778.229	778.216	778.203	778.190	778.177	778.164	778.151	778.138	778.125	778.112	778.099	778.086	778.073	778.060	778.047	778.034	778.021	778.008	777.995	777.982	777.969	777.956	777.943	777.930	777.917	777.904	777.891	777.878	777.865	777.852	777.839	777.826	777.813	777.800	777.787	777.774	777.761	777.748	777.735	777.722	777.709	777.696	777.683	777.670	777.657	777.644	777.631	777.618	777.605	777.592	777.579	777.566	777.553	777.540	777.527	777.514	777.501	777.488	777.475	777.462	777.449	777.436	777.423	777.410	777.397	777.384	777.371	777.358	777.345	777.332	777.319	777.306	777.293	777.280	777.267	777.254	777.241	777.228	777.215	777.202	777.189	777.176	777.163	777.150	777.137	777.124	777.111	777.098	777.085	777.072	777.059	777.046	777.033	777.020	777.007	776.994	776.981	776.968	776.955	776.942	776.929	776.916	776.903	776.890	776.877	776.864	776.851	776.838	776.825	776.812	776.799	776.786	776.773	776.760	776.747	776.734	776.721	776.708	776.695	776.682	776.669	776.656	776.643	776.630	776.617	776.604	776.591	776.578	776.565	776.552	776.539	776.526	776.513	776.500	776.487	776.474	776.461	776.448	776.435	776.422	776.409	776.396	776.383	776.370	776.357	776.344	776.331	776.318	776.305	776.292	776.279	776.266	776.253	776.240	776.227	776.214	776.201	776.188	776.175	776.162	776.149	776.136	776.123	776.110	776.097	776.084	776.071	776.058	776.045	776.032	776.019	776.006	775.993	775.980	775.967	775.954	775.941	775.928	775.915	775.902	775.889	775.876	775.863	775.850	775.837	775.824	775.811	775.798	775.785	775.772	775.759	775.746	775.733	775.720	775.707	775.694	775.681	775.668	775.655	775.642	775.629	775.616	775.603	775.590	775.577	775.564	775.551	775.538	775.525	775.512	775.499	775.486	775.473	775.460	775.447	775.434	775.421	775.408	775.395	775.382	775.369	775.356	775.343	775.330	775.317	775.304	775.291	775.278	775.265	775.252	775.239	775.226	775.213	775.200	775.187	775.174	775.161	775.148	775.135	775.122	775.109	775.096	775.083	775.070	775.057	775.044	775.031	775.018	775.005	774.992	774.979	774.966	774.953	774.940	774.927	774.914	774.901	774.888	774.875	774.862	774.849	774.836	774.823	774.810	774.797	774.784	774.771	774.758	774.745	774.732	774.719	774.706	774.693	774.680	774.667	774.654	774.641	774.628	774.615	774.602	774.589	774.576	774.563	774.550	774.537	774.524	774.511	774.498	774.485	774.472	774.459	774.446	774.433	774.420	774.407	774.394	774.381	774.368	774.355	774.342	774.329	774.316	774.303	774.290	774.277	774.264	774.251	774.238	774.225	774.212	774.199	774.186	774.173	774.160	774.147	774.134	774.121	774.108	774.095	774.082	774.069	774.056	774.043	774.030	774.017	774.004	773.991	773.978	773.965	773.952	773.939	773.926	773.913	773.900	773.887	773.874	773.861	773.848	773.835	773.822	773.809	773.796	773.783	773.770	773.757	773.744	773.731	773.718	773.705	773.692	773.679	773.666	773.653	773.640	773.627	773.614	773.601	773.588	773.575	773.562	773.549	773.536	773.523	773.510	773.497	773.484	773.471	773.458	773.445	773.432	773.419	773.406	773.393	773.380	773.367	773.354	773.341	773.328	773.315	773.302	773.289	773.276	773.263	773.250	773.237	773.224	773.211	773.198	773.185	773.172	773.159	773.146	773.133	773.120	773.107	773.094	773.081	773.068	773.055	773.042	773.029	773.016	773.003	772.990	772.977	772.964	772.951	772.938	772.925	772.912	772.899	772.886	772.873	772.860	772.847	772.834	772.821	772.808	772.795	772.782	772.769	772.756	772.743	772.730	772.717	772.704	772.691	772.678	772.665	772.652	772.639	772.626	772.613	772.600	772.587	772.574	772.561	772.548	772.535	772.522	772.509	772.496	772.483	772.470	772.457	772.444	772.431	772.418	772.405	772.392	772.379	772.366	772.353	772.340	772.327	772.314	772.301	772.288	772.275	772.262	772.249	772.236	772.223	772.210	772.197	772.184	772.171	772.158	772.145	772.132	772.119	772.106	772.093	772.080	772.067	772.054	772.041	772.028	772.015	772.002	771.989	771.976	771.963	771.950	771.937	771.924	771.911	771.898	771.885	771.872	771.859	771.846	771.833	771.820	771.807	771.794	771.781	771.768	771.755	771.742	771.729	771.716	771.703	771.690	771.677	771.664	771.651	771.638	771.625	771.612	771.599	771.586	771.573	771.560	771.547	771.534	771.521	771.508	771.495	771.482	771.469	771.456	771.443	771.430	771.417	771.404	771.391	771.378	771.365	771.352	771.339	771.326	771.313	771.300	771.287	771.274	771.261	771.248	771.235	771.222	771.209	771.196	771.183	771.170	771.157	771.144	771.131	771.118	771.105	771.092	771.079	771.066	771.053	771.040	771.027	771.014	771.001	770.988	770.975	770.962	770.949	770.936	770.923	770.910	770.897	770.884	770.871	770.858	770.845	770.832	770.819	770.806	770.793	770.780	770.767	770.754	770.741	770.728	770.715	770.702	770.689	770.676	770.663	770.650	770.637	770.624	770.611	770.598	770.585	770.572	770.559	770.546	770.533	770.520	770.507	770.494	770.481	770.468	770.455	770.442	770.429	770.416	770.403	770.390	770.377	770.364	770.351	770.338	770.325	770.312	770.299	770.286	770.273	770.260	770.247	770.234	770.221	770.208	770.195	770.182	770.169	770.156	770.143	770.130	770.117	770.104	770.091	770.078	770.065	770.052	770.039	770.026	770.013	770.000	769.987	769.974	769.961	769.948	769.935	769.922	769.909	769.896	769.883	769.870	769.857	769.844	769.831	769.818	769.805	769.792	769.779	769.766	769.753	769.740	769.727	769.714	769.701	769.688	769.675	769.662	769.649	769.636	769.623	769.610	769.597	769.584	769.571	769.558	769.545	769.532	769.519	769.506	769.493	769.480	769.467	769.454	769.441	769.428	769.415	769.402	769.389	769.376	769.363	769.350	769.337	769.324	769.311	769.298	769.285	769.272	769.259	769.246	769.233	769.220	769.207	769.194	769.181	769.168	769.155	769.142	769.129	769.116	769.103	769.090	769.077	769.064	769.051	769.038	769.025	769.012	769.000	768.987	768.974	768.961	768.948	768.935	768.922	768.909	768.896	768.883	768.870	768.857	768.844	768.831	768.818	768.805	768.792	768.779	768.766	768.753	768.740	768.727	768.714	768.701	768.688	768.675	768.662	768.649	768.636	768.623	768.610	768.597	768.584	768.571	768.558	768.545	768.532	768.519	768.506	768.493	768.480	768.467	768.454	768.441	768.428	768.415	768.402	768.389	768.376	768.363	768.350	768.337	768.324	768.311	768.298	768.285	768.272	768.259	768.246	768.233	768.220	768.207	768.194	768.181	768.168	768.155	768.142	768.129	768.116	768.16
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LEGEND :

PLAN :

EXISTING
EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING

EXIST. ROW
PROV. ROW

PROPOSED
TOE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TOE LINE

HOR. TANGENT POINT
CULVERT

PROP. DRAIN
FOOTPATH

B/WALL BREAST WALL
R/WALL RETAINING WALL

VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 745.000

PROP. LEVEL AT CENTER
EXIST. ROAD LEVEL AT CROWN
GROUND LEVEL AT PROP. C/L

GROUND LEVEL AT 7M FROM PROP. C/L

HORIZONTAL SCHEMATIC

VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)

Shillong

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	107
RADIUS (m)	500.0
CURVE LENGTH (m)	222.439
TRANSITION LEN (m)	50.0
TRANSITION LEN (m)	164.7
TANGENT LENGTH (m)	31.17 9.27
DEFLECTION ANGLE	80
DES. SPEED (km/h)	50.0
SUPERELEVATION	5.00

Proposed Culvert
Changeage : 56110
Type : Box
Size : 1x2x1.5

Proposed Culvert
Changeage : 56310
Type : Box
Size : 1x2x1.5

Proposed Culvert
Changeage : 56385
Type : Box
Size : 1x2x1.5

PILLAR 143.7
X = 395331.775
Y = 2793307.040
Z = 754.731

Dawki

PROFILE :

VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 745.000

PROP. LEVEL AT CENTER
EXIST. ROAD LEVEL AT CROWN
GROUND LEVEL AT PROP. C/L

GROUND LEVEL AT 7M FROM PROP. C/L

HORIZONTAL SCHEMATIC

VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)

VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 745.000

PROP. LEVEL AT CENTER
EXIST. ROAD LEVEL AT CROWN
GROUND LEVEL AT PROP. C/L

GROUND LEVEL AT 7M FROM PROP. C/L

HORIZONTAL SCHEMATIC

VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)

VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 745.000

PROP. LEVEL AT CENTER
EXIST. ROAD LEVEL AT CROWN
GROUND LEVEL AT PROP. C/L

GROUND LEVEL AT 7M FROM PROP. C/L

HORIZONTAL SCHEMATIC

VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)

Rev.	Date	Description
R0	13-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 2+210 TO KM 4+180 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+300 IN ROP & CHURCH AREA
R2	03-02-2019	REVISED ALIGNMENT/BROW BETWEEN KM 5+300 TO KM 10+400 & KM 50+190 TO KM 54+450

AUTHORITY :	
National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)	

DESIGN CONSULTANTS :	
Transsys Consulting Pvt. Ltd. Plot 6, 3rd Floor, Old IIF Centre, Connaught Place, New Delhi-110029 Tel: 011-45101010 Email: info@transsys.in, www.transsys.in	

PROJECT :	
Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder 7.4 Lanning of NH-40 between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	

DRAWN BY	SUNAR
DESIGNED BY	SANDEEP
CHECKED BY	KVN REDDY
APPROVED BY	PK KUNDU

FINAL DETAILED PROJECT REPORT	
DATE	Sep. 2019

TITLE: Plan & Profile (2 Km Km 56+000 to Km 56+300)	
SCALE	1:1000 (Plan) 1:1000 (Profile)
DATE	Sep. 2019
DRG. NO.	TRANSYS/139/S-D/HW/PNP/113
REV.	R2

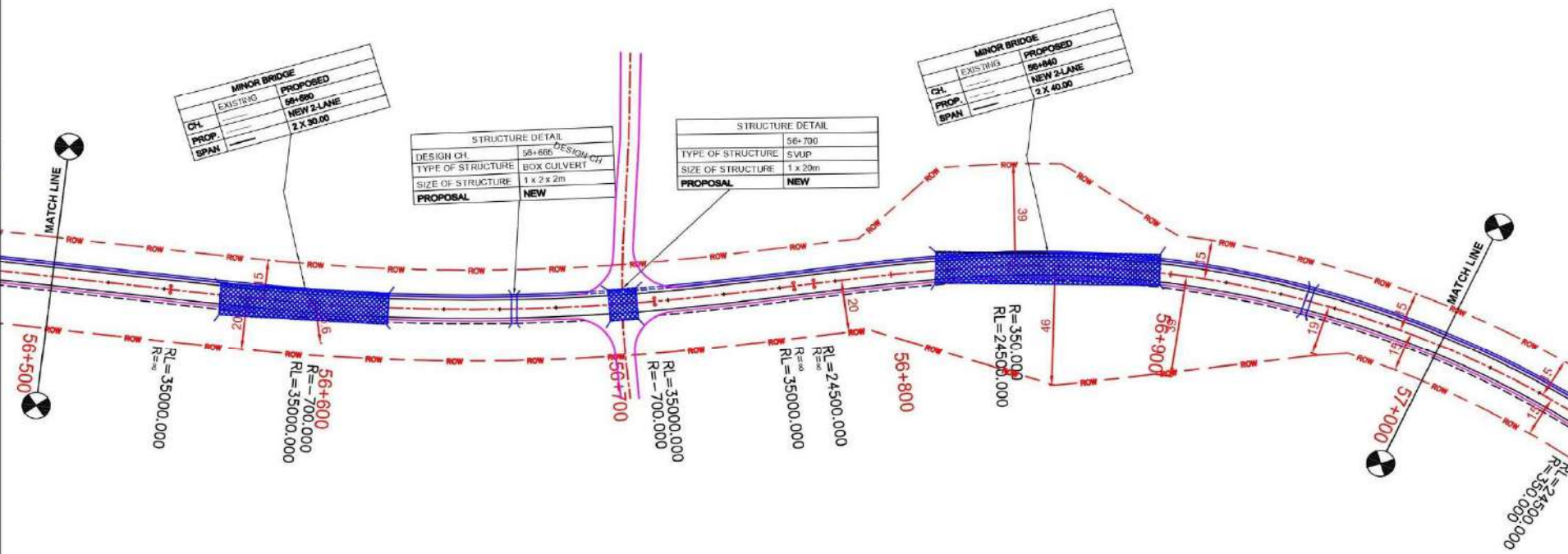
LEGEND :

PLAN :

- EXISTING
- EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- 1000 : CONTOUR
- PEDDY FIELD
- BOUNDARY WALL
- FENCING
- EROW : EXISTING ROW
PROW : PROPOSED ROW
- PROPOSED
TOE LINE
SH EDGE
C/W EDGE
C/L
C/W EDGE
SH EDGE
TOE LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL : BREAST WALL
R/WALL : RETAINING WALL

PROFILE :

- VER. TANGENT POINT
- HIGH/LOW POINT



Rev.	Date	Description
R0	21-08-2019	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 2+240 TO KM 4+180 IN FOREST AREA
R1	05-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 70+700 IN BOP & CHURCH AREA
R2	03-09-2019	REVISED ALIGNMENT/ROW BETWEEN KM 8+500 TO KM 10+000 & KM 10+000 TO KM 10+400

AUTHORITY:

National Highways & Infrastructure Development Corporation Ltd.
(Ministry of Road Transport & Highways)

DESIGN CONSULTANT:

Transys Consulting Pvt. Ltd.
MM-8, Sona Tower, Old BLP Comm. Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-4200012
info@transys21.com, www.transys.in

PROJECT:

Shillong - Dawki Section of NH-40
Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanes of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

DRAWN BY:	SUMRI
DESIGNED BY:	SANDEEP
CHECKED BY:	RON REDDY
APPROVED BY:	PK KUMAR

FINAL DETAILED PROJECT REPORT

DATE: **Sep. 2019**

TITLE: Plan & Profile (From Km 56+500 to Km 57+000)

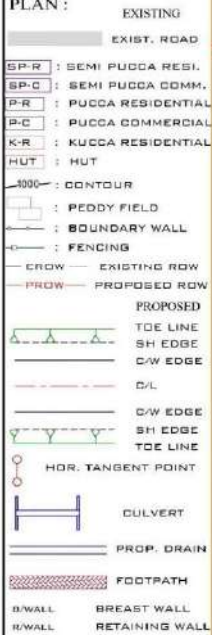
SCALE: 1:1000 (Plan) 1:200 (Profile)

REV: **R2**

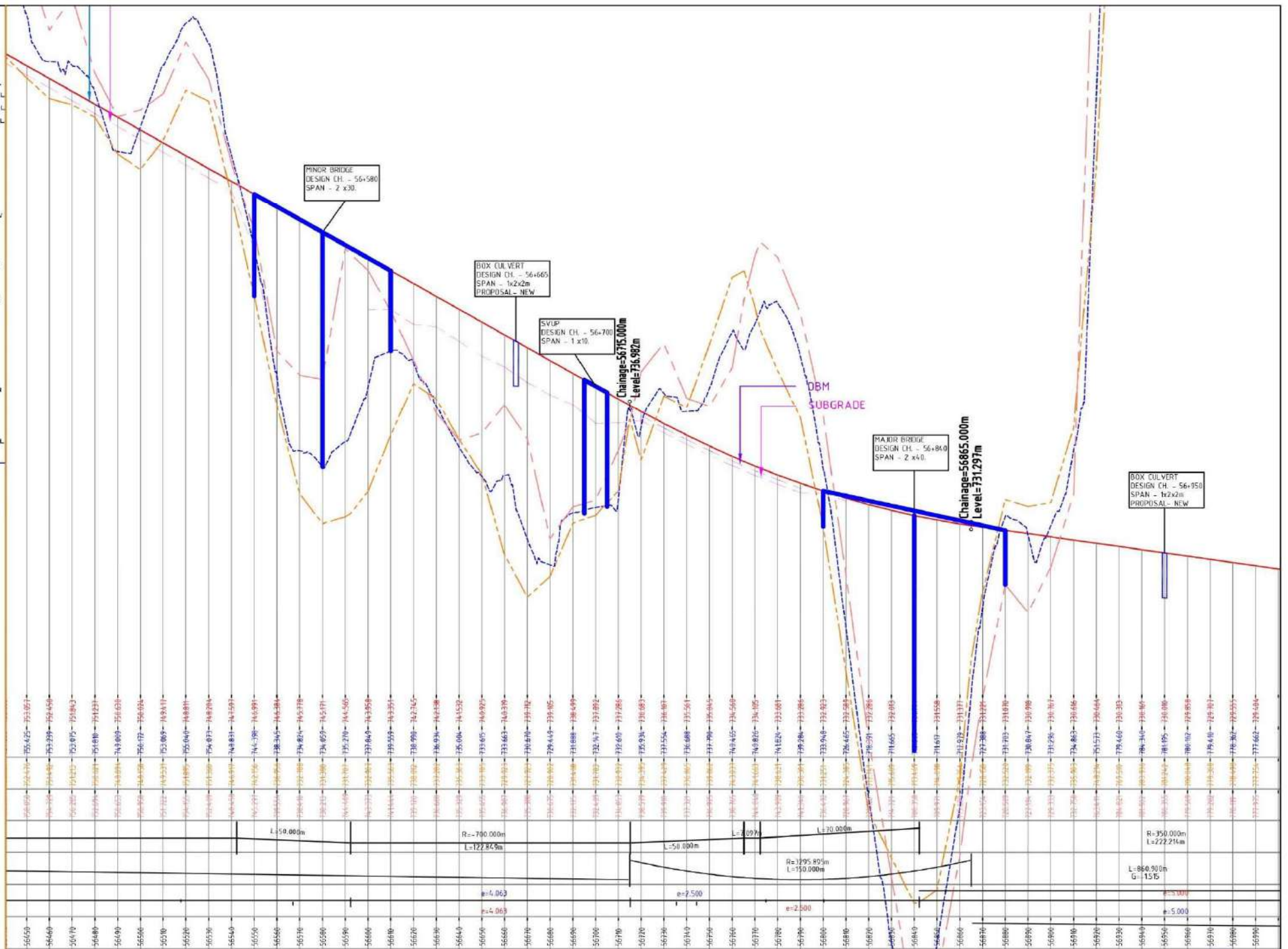
DRG. NO: **TRANSYS/139/S-D/HW/PNP/114**

LEGEND :

PLAN :



PROFILE :



Rev.	Date	Description
R0	11-08-2017	FINAL DETAILED PROJECT REPORT
R1	24-04-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 44+180 IN FOREST AREA
R1	06-06-2018	REVISED ALIGNMENT BETWEEN KM 70+000 TO KM 70+300 IN BOP & CHURCH AREA
R2	03-09-2019	REVISED ALIGNMENT/ROW BETWEEN KM 84+000 TO KM 10+000 & KM 83+855 TO KM 84+400

Authority:	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
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Design Consultants:	Transsys Consulting Pvt. Ltd. M&I, Sona Tower, Old DLF Conns. Complex, Sector-14, Gurgaon-122 001. Tel: 0124-420612 info@transsys.in, www.transsys.in
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Project:	Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lining of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA
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Drawn by:	SUMAN
Designed by:	SANDEEP
Checked by:	KSH. REJY
Approved by:	DR. KUNSU

Final Detailed Project Report	Title: Plan & Profile (From Km 56+500 to Km 57+000)
Scale: Hvy 1:1000, Veh 1:200 or As Shown	Rev: R2
Date: Sep. 2019	Org. No: TRANSYS/139/S-D/HW/PNP/114

LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
- EXISTING ROW
PROPOSED ROW
- PROPOSED
T.O.E LINE
S.H. EDGE
C.W. EDGE
C/L
C.W. EDGE
S.H. EDGE
T.O.E LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL BREAST WALL
R/WALL RETAINING WALL

PROFILE :

- VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 695.000

PROP. LEVEL AT CENTER		721.778	721.628	721.475	721.328	721.178	721.028	720.878	720.728	720.578	720.428	720.278	720.128	719.978	719.828	719.678	719.528	719.378	719.228	719.078	718.928	718.778	718.628	718.478	718.328	718.178	718.028	717.878	717.728	717.578	717.428	717.278	717.128	716.978	716.828	716.678	716.528	716.378	716.228	716.078	715.928	715.778	715.628	715.478	715.328	715.178	715.028	714.878	714.728	714.578	714.428	714.278	714.128	713.978	713.828	713.678	713.528	713.378	713.228	713.078	712.928	712.778	712.628	712.478	712.328	712.178	712.028	711.878	711.728	711.578	711.428	711.278	711.128	710.978	710.828	710.678	710.528	710.378	710.228	710.078	709.928	709.778	709.628	709.478	709.328	709.178	709.028	708.878	708.728	708.578	708.428	708.278	708.128	707.978	707.828	707.678	707.528	707.378	707.228	707.078	706.928	706.778	706.628	706.478	706.328	706.178	706.028	705.878	705.728	705.578	705.428	705.278	705.128	704.978	704.828	704.678	704.528	704.378	704.228	704.078	703.928	703.778	703.628	703.478	703.328	703.178	703.028	702.878	702.728	702.578	702.428	702.278	702.128	701.978	701.828	701.678	701.528	701.378	701.228	701.078	700.928	700.778	700.628	700.478	700.328	700.178	700.028	699.878	699.728	699.578	699.428	699.278	699.128	698.978	698.828	698.678	698.528	698.378	698.228	698.078	697.928	697.778	697.628	697.478	697.328	697.178	697.028	696.878	696.728	696.578	696.428	696.278	696.128	695.978	695.828	695.678	695.528	695.378	695.228	695.078	694.928	694.778	694.628	694.478	694.328	694.178	694.028	693.878	693.728	693.578	693.428	693.278	693.128	692.978	692.828	692.678	692.528	692.378	692.228	692.078	691.928	691.778	691.628	691.478	691.328	691.178	691.028	690.878	690.728	690.578	690.428	690.278	690.128	689.978	689.828	689.678	689.528	689.378	689.228	689.078	688.928	688.778	688.628	688.478	688.328	688.178	688.028	687.878	687.728	687.578	687.428	687.278	687.128	686.978	686.828	686.678	686.528	686.378	686.228	686.078	685.928	685.778	685.628	685.478	685.328	685.178	685.028	684.878	684.728	684.578	684.428	684.278	684.128	683.978	683.828	683.678	683.528	683.378	683.228	683.078	682.928	682.778	682.628	682.478	682.328	682.178	682.028	681.878	681.728	681.578	681.428	681.278	681.128	680.978	680.828	680.678	680.528	680.378	680.228	680.078	679.928	679.778	679.628	679.478	679.328	679.178	679.028	678.878	678.728	678.578	678.428	678.278	678.128	677.978	677.828	677.678	677.528	677.378	677.228	677.078	676.928	676.778	676.628	676.478	676.328	676.178	676.028	675.878	675.728	675.578	675.428	675.278	675.128	674.978	674.828	674.678	674.528	674.378	674.228	674.078	673.928	673.778	673.628	673.478	673.328	673.178	673.028	672.878	672.728	672.578	672.428	672.278	672.128	671.978	671.828	671.678	671.528	671.378	671.228	671.078	670.928	670.778	670.628	670.478	670.328	670.178	670.028	669.878	669.728	669.578	669.428	669.278	669.128	668.978	668.828	668.678	668.528	668.378	668.228	668.078	667.928	667.778	667.628	667.478	667.328	667.178	667.028	666.878	666.728	666.578	666.428	666.278	666.128	665.978	665.828	665.678	665.528	665.378	665.228	665.078	664.928	664.778	664.628	664.478	664.328	664.178	664.028	663.878	663.728	663.578	663.428	663.278	663.128	662.978	662.828	662.678	662.528	662.378	662.228	662.078	661.928	661.778	661.628	661.478	661.328	661.178	661.028	660.878	660.728	660.578	660.428	660.278	660.128	659.978	659.828	659.678	659.528	659.378	659.228	659.078	658.928	658.778	658.628	658.478	658.328	658.178	658.028	657.878	657.728	657.578	657.428	657.278	657.128	656.978	656.828	656.678	656.528	656.378	656.228	656.078	655.928	655.778	655.628	655.478	655.328	655.178	655.028	654.878	654.728	654.578	654.428	654.278	654.128	653.978	653.828	653.678	653.528	653.378	653.228	653.078	652.928	652.778	652.628	652.478	652.328	652.178	652.028	651.878	651.728	651.578	651.428	651.278	651.128	650.978	650.828	650.678	650.528	650.378	650.228	650.078	649.928	649.778	649.628	649.478	649.328	649.178	649.028	648.878	648.728	648.578	648.428	648.278	648.128	647.978	647.828	647.678	647.528	647.378	647.228	647.078	646.928	646.778	646.628	646.478	646.328	646.178	646.028	645.878	645.728	645.578	645.428	645.278	645.128	644.978	644.828	644.678	644.528	644.378	644.228	644.078	643.928	643.778	643.628	643.478	643.328	643.178	643.028	642.878	642.728	642.578	642.428	642.278	642.128	641.978	641.828	641.678	641.528	641.378	641.228	641.078	640.928	640.778	640.628	640.478	640.328	640.178	640.028	639.878	639.728	639.578	639.428	639.278	639.128	638.978	638.828	638.678	638.528	638.378	638.228	638.078	637.928	637.778	637.628	637.478	637.328	637.178	637.028	636.878	636.728	636.578	636.428	636.278	636.128	635.978	635.828	635.678	635.528	635.378	635.228	635.078	634.928	634.778	634.628	634.478	634.328	634.178	634.028	633.878	633.728	633.578	633.428	633.278	633.128	632.978	632.828	632.678	632.528	632.378	632.228	632.078	631.928	631.778	631.628	631.478	631.328	631.178	631.028	630.878	630.728	630.578	630.428	630.278	630.128	629.978	629.828	629.678	629.528	629.378	629.228	629.078	628.928	628.778	628.628	628.478	628.328	628.178	628.028	627.878	627.728	627.578	627.428	627.278	627.128	626.978	626.828	626.678	626.528	626.378	626.228	626.078	625.928	625.778	625.628	625.478	625.328	625.178	625.028	624.878	624.728	624.578	624.428	624.278	624.128	623.978	623.828	623.678	623.528	623.378	623.228	623.078	622.928	622.778	622.628	622.478	622.328	622.178	622.028	621.878	621.728	621.578	621.428	621.278	621.128	620.978	620.828	620.678	620.528	620.378	620.228	620.078	619.928	619.778	619.628	619.478	619.328	619.178	619.028	618.878	618.728	618.578	618.428	618.278	618.128	617.978	617.828	617.678	617.528	617.378	617.228	617.078	616.928	616.778	616.628	616.478	616.328	616.178	616.028	615.878	615.728	615.578	615.428	615.278	615.128	614.978	614.828	614.678	614.528	614.378	614.228	614.078	613.928	613.778	613.628	613.478	613.328	613.178	613.028	612.878	612.728	612.578	612.428	612.278	612.128	611.978	611.828	611.678	611.528	611.378	611.228	611.078	610.928	610.778	610.628	610.478	610.328	610.178	610.028	609.878	609.728	609.578	609.428	609.278	609.128	608.978	608.828	608.678	608.528	608.378	608.228	608.078	607.928	607.778	607.628	607.478	607.328	607.178	607.028	606.878	606.728	606.578	606.428	606.278	606.128	605.978	605.828	605.678	605.528	605.378	605.228	605.078	604.928	604.778	604.628	604.478	604.328	604.178	604.028	603.878	603.728	603.578	603.428	603.278	603.128	602.978	602.828	602.678	602.528	602.378	602.228	602.078	601.928	601.778	601.628	601.478	601.328	601.178	601.028	600.878	600.728	600.578	600.428	600.278	600.128	599.978	599.828	599.678	599.528	599.378	599.228	599.078	598.928	598.778	598.628	598.478	598.328	598.178	598.028	597.878	597.728	597.578	597.428	597.278	597.128	596.978	596.828	596.678	596.528	596.378	596.228	596.078	595.928	595.778	595.628	595.478	595.328	595.178	595.028	594.878	594.728	594.578	594.428	594.278	594.128	593.978	593.828	593.678	593.528	593.378	593.228	593.078	592.928	592.778	592.628	592.478	592.328	592.178	592.028	591.878	591.728	591.578	591.428	591.278	591.128	590.978	590.828	590.678	590.528	590.378	590.228	590.078	589.928	589.778	589.628	589.478	589.328	589.178	589.028	588.878	588.728	588.578	588.428	588.278	588.128	587.978	587.828	587.678	587.528	587.378	587.228	587.078	586.928	586.778	586.628	586.478	586.328	586.178	586.028	585.878	585.728	585.578	585.428	585.278	585.128	584.978	584.828	584.678	584.528	584.378	584.228	584.078	583.928	583.778	583.628	583.478	583.328	583.178	583.028	582.878	582.728	582.578	582.428	582.278	582.128	581.978	581.828	581.678	581.528	581.378	581.228	581.078	580.928	580.778	580.628	580.478	580.328	580.178	580.028	579.878	579.728	579.578	579.428	579.278	579.128	578.978	578.828	578.678	578.528	578.378	578.228	578.078	577.928	577.778	577.628	577.478	577.328	577.178	577.028	576.878	576.728	576.578	576.428	576.278	576.128	575.978	575.828
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LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- CONTOUR
PADDY FIELD
BOUNDARY WALL
FENCING
- EXISTING ROW
PROPOSED ROW
- PROPOSED
T.O.E LINE
S.H. EDGE
C.W. EDGE
C/L
C.W. EDGE
S.H. EDGE
T.O.E LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL BREAST WALL
R/WALL RETAINING WALL

PROFILE :

- VER. TANGENT POINT
HIGH/LOW POINT

DATUM : 675.000

PROP. LEVEL AT CENTER		779.327	778.779	778.227	777.679	777.127	776.579	776.027	775.479	774.927	774.379	773.827	773.279	772.727	772.179	771.627	771.079	770.527	769.979	769.427	768.879	768.327	767.779	767.227	766.679	766.127	765.579	765.027	764.479	763.927	763.379	762.827	762.279	761.727	761.179	760.627	760.079	759.527	758.979	758.427	757.879	757.327	756.779	756.227	755.679	755.127	754.579	754.027	753.479	752.927	752.379	751.827	751.279	750.727	750.179	749.627	749.079	748.527	747.979	747.427	746.879	746.327	745.779	745.227	744.679	744.127	743.579	743.027	742.479	741.927	741.379	740.827	740.279	739.727	739.179	738.627	738.079	737.527	736.979	736.427	735.879	735.327	734.779	734.227	733.679	733.127	732.579	732.027	731.479	730.927	730.379	729.827	729.279	728.727	728.179	727.627	727.079	726.527	725.979	725.427	724.879	724.327	723.779	723.227	722.679	722.127	721.579	721.027	720.479	719.927	719.379	718.827	718.279	717.727	717.179	716.627	716.079	715.527	714.979	714.427	713.879	713.327	712.779	712.227	711.679	711.127	710.579	709.927	709.379	708.827	708.279	707.727	707.179	706.627	706.079	705.527	704.979	704.427	703.879	703.327	702.779	702.227	701.679	701.127	700.579	999.927	999.379	998.827	998.279	997.727	997.179	996.627	996.079	995.527	994.979	994.427	993.879	993.327	992.779	992.227	991.679	991.127	990.579	989.927	989.379	988.827	988.279	987.727	987.179	986.627	986.079	985.527	984.979	984.427	983.879	983.327	982.779	982.227	981.679	981.127	980.579	979.927	979.379	978.827	978.279	977.727	977.179	976.627	976.079	975.527	974.979	974.427	973.879	973.327	972.779	972.227	971.679	971.127	970.579	969.927	969.379	968.827	968.279	967.727	967.179	966.627	966.079	965.527	964.979	964.427	963.879	963.327	962.779	962.227	961.679	961.127	960.579	959.927	959.379	958.827	958.279	957.727	957.179	956.627	956.079	955.527	954.979	954.427	953.879	953.327	952.779	952.227	951.679	951.127	950.579	949.927	949.379	948.827	948.279	947.727	947.179	946.627	946.079	945.527	944.979	944.427	943.879	943.327	942.779	942.227	941.679	941.127	940.579	939.927	939.379	938.827	938.279	937.727	937.179	936.627	936.079	935.527	934.979	934.427	933.879	933.327	932.779	932.227	931.679	931.127	930.579	929.927	929.379	928.827	928.279	927.727	927.179	926.627	926.079	925.527	924.979	924.427	923.879	923.327	922.779	922.227	921.679	921.127	920.579	919.927	919.379	918.827	918.279	917.727	917.179	916.627	916.079	915.527	914.979	914.427	913.879	913.327	912.779	912.227	911.679	911.127	910.579	909.927	909.379	908.827	908.279	907.727	907.179	906.627	906.079	905.527	904.979	904.427	903.879	903.327	902.779	902.227	901.679	901.127	900.579	999.927	999.379	998.827	998.279	997.727	997.179	996.627	996.079	995.527	994.979	994.427	993.879	993.327	992.779	992.227	991.679	991.127	990.579	989.927	989.379	988.827	988.279	987.727	987.179	986.627	986.079	985.527	984.979	984.427	983.879	983.327	982.779	982.227	981.679	981.127	980.579	979.927	979.379	978.827	978.279	977.727	977.179	976.627	976.079	975.527	974.979	974.427	973.879	973.327	972.779	972.227	971.679	971.127	970.579	969.927	969.379	968.827	968.279	967.727	967.179	966.627	966.079	965.527	964.979	964.427	963.879	963.327	962.779	962.227	961.679	961.127	960.579	959.927	959.379	958.827	958.279	957.727	957.179	956.627	956.079	955.527	954.979	954.427	953.879	953.327	952.779	952.227	951.679	951.127	950.579	949.927	949.379	948.827	948.279	947.727	947.179	946.627	946.079	945.527	944.979	944.427	943.879	943.327	942.779	942.227	941.679	941.127	940.579	939.927	939.379	938.827	938.279	937.727	937.179	936.627	936.079	935.527	934.979	934.427	933.879	933.327	932.779	932.227	931.679	931.127	930.579	929.927	929.379	928.827	928.279	927.727	927.179	926.627	926.079	925.527	924.979	924.427	923.879	923.327	922.779	922.227	921.679	921.127	920.579	919.927	919.379	918.827	918.279	917.727	917.179	916.627	916.079	915.527	914.979	914.427	913.879	913.327	912.779	912.227	911.679	911.127	910.579	909.927	909.379	908.827	908.279	907.727	907.179	906.627	906.079	905.527	904.979	904.427	903.879	903.327	902.779	902.227	901.679	901.127	900.579	999.927	999.379	998.827	998.279	997.727	997.179	996.627	996.079	995.527	994.979	994.427	993.879	993.327	992.779	992.227	991.679	991.127	990.579	989.927	989.379	988.827	988.279	987.727	987.179	986.627	986.079	985.527	984.979	984.427	983.879	983.327	982.779	982.227	981.679	981.127	980.579	979.927	979.379	978.827	978.279	977.727	977.179	976.627	976.079	975.527	974.979	974.427	973.879	973.327	972.779	972.227	971.679	971.127	970.579	969.927	969.379	968.827	968.279	967.727	967.179	966.627	966.079	965.527	964.979	964.427	963.879	963.327	962.779	962.227	961.679	961.127	960.579	959.927	959.379	958.827	958.279	957.727	957.179	956.627	956.079	955.527	954.979	954.427	953.879	953.327	952.779	952.227	951.679	951.127	950.579	949.927	949.379	948.827	948.279	947.727	947.179	946.627	946.079	945.527	944.979	944.427	943.879	943.327	942.779	942.227	941.679	941.127	940.579	939.927	939.379	938.827	938.279	937.727	937.179	936.627	936.079	935.527	934.979	934.427	933.879	933.327	932.779	932.227	931.679	931.127	930.579	929.927	929.379	928.827	928.279	927.727	927.179	926.627	926.079	925.527	924.979	924.427	923.879	923.327	922.779	922.227	921.679	921.127	920.579	919.927	919.379	918.827	918.279	917.727	917.179	916.627	916.079	915.527	914.979	914.427	913.879	913.327	912.779	912.227	911.679	911.127	910.579	909.927	909.379	908.827	908.279	907.727	907.179	906.627	906.079	905.527	904.979	904.427	903.879	903.327	902.779	902.227	901.679	901.127	900.579	999.927	999.379	998.827	998.279	997.727	997.179	996.627	996.079	995.527	994.979	994.427	993.879	993.327	992.779	992.227	991.679	991.127	990.579	989.927	989.379	988.827	988.279	987.727	987.179	986.627	986.079	985.527	984.979	984.427	983.879	983.327	982.779	982.227	981.679	981.127	980.579	979.927	979.379	978.827	978.279	977.727	977.179	976.627	976.079	975.527	974.979	974.427	973.879	973.327	972.779	972.227	971.679	971.127	970.579	969.927	969.379	968.827	968.279	967.727	967.179	966.627	966.079	965.527	964.979	964.427	963.879	963.327	962.779	962.227	961.679	961.127	960.579	959.927	959.379	958.827	958.279	957.727	957.179	956.627	956.079	955.527	954.979	954.427	953.879	953.327	952.779	952.227	951.679	951.127	950.579	949.927	949.379	948.827	948.279	947.727	947.179	946.627	946.079	945.527	944.979	944.427	943.879	943.327	942.779	942.227	941.679	941.127	940.579	939.927	939.379	938.827	938.279	937.727	937.179	936.627	936.079	935.527	934.979	934.427	933.879	933.327	932.779	932.227	931.679	931.127	930.579	929.927	929.379	928.827	928.279	927.727	927.179	926.627	926.079	925.527	924.979	924.427	923.879	923.327	922.779	922.227	921.679	921.127	920.579	919.927	919.379	918.827	918.279	917.727	917.179	916.627	916.079	915.527	914.979	914.427	913.879	913.327	912.779	912.227	911.679	911.127	910.579	909.927	909.379	908.827	908.279	907.727	907.179	906.627	906.079	905.527	904.979	904.427	903.879	903.327	902.779	902.227	901.679	901.127	900.579	999.927	999.379	998.827	998.279	997.727	997.179	996.627	996.079	995.527	994.979	994.427	993.879	993.327	992.779	992.227	991.679	991.127	990.579	989.927	989.379	988.827	988.279	987.727	987.179	986.627	986.079	985.527	984.979	984.427	983.879	983.327	982.779	982.227	981.679	981.127	980.579	979.927	979.379	978.827	978.279	977.727	977.179	976.627	976.079	975.527	974.979	974.427	973.879	973.327	972.779	972.227	971.679	971.127	970.579	969.927	969.379	968.827	968.279	967.727	967.179	966.627	966.079	965.527	964.979	964.427	963.879	963.327	962.779	962.227	961.679	961.127	960.579	959.927	959.379	958.827	958.279	957.727	957.179	956.627	956.079	955.527	954.979	954.427	953.879	953.327	952.779	952.227	951.679	951.127	950.579	949.927	949.379	948.827	948.279	947.727	947.179	946.627	946.079	945.527	944.979	944.427	943.879	943.327	942.779	942.227	941.679	941.127	940.579	939.927	939.379	9
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LEGEND :

PLAN :

EXISTING
EXIST. ROAD
SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
EXISTING ROW
PROPOSED ROW

PROPOSED
TOE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TOE LINE

HOR. TANGENT POINT

CULVERT

PROP. DRAIN

FOOTPATH

B/WALL BREAST WALL
B/WALL RETAINING WALL

PROFILE :

VER. TANGENT POINT

HIGH/LOW POINT

DATUM :

PROP. LEVEL AT CENTER

EXIST. ROAD LEVEL AT CROWN

GROUND LEVEL AT PROP. C/L

GROUND LEVEL AT 7M FROM PROP. C/L

LEFT

RIGHT

HORIZONTAL SCHEMATIC

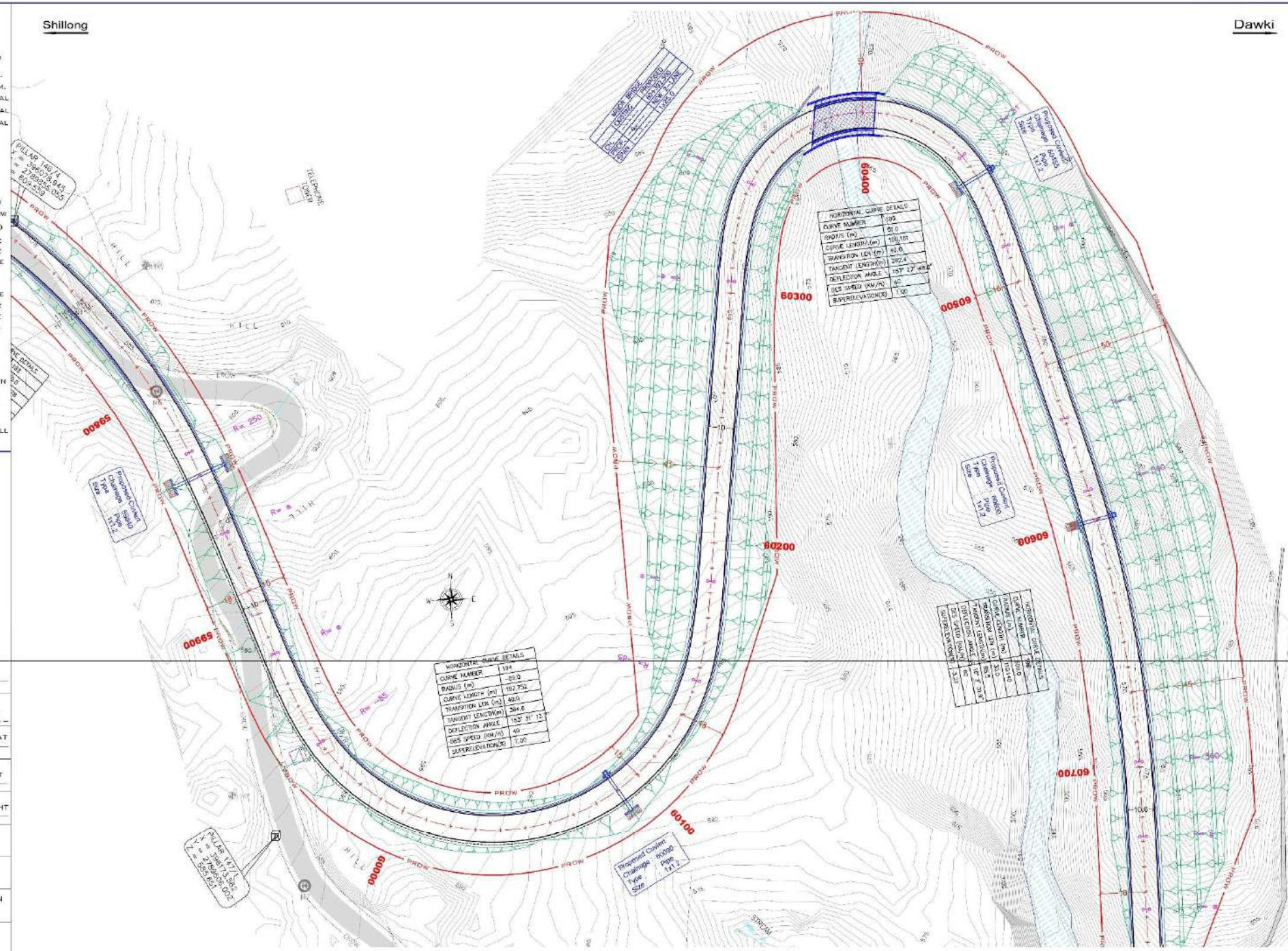
VERTICAL SCHEMATIC

SUPER ELEVATION SCHEMATIC

CHAINAGE (M)

Shillong

Dawki



Rev.	Date	Description
R1	11-08-2017	FINAL DETAILED PROJECT REPORT
R2	14-04-2018	REVISED ALIGNMENT BETWEEN KM 2+240 TO KM 4+80 IN FOREST AREA
R3	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+200 IN BOP & CHURCH AREA
R4	03-02-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+800 TO KM 10+800 & KM 10+800 TO KM 14+100

Authority:	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
-------------------	---

Design Consultants:	Transsys Consulting Pvt. Ltd. H-6, 3rd Floor, Old DLF Condo, Condo, Sector-14, Gurgaon-122 001, Tel: 0124-4510612 info@transsys.in, www.transsys.in
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Project:	Shillong - Dawki Section of NH-40
Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder 7.4 Lanning of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	

Drawn By:	SUNAR
Designed By:	SANDEEP
Checked By:	KVN REDDY
Approved By:	PK KUNDU

FINAL DETAILED PROJECT REPORT	
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Title: Plan & Profile (From Km 60+000 to Km 60+500)	
Scale: 1:1000 (Plan) 1:100 (Profile)	
Date: Sep. 2019	
Drawn By: TRANSYS/139/S-D/HW/PNP/121	

LEGEND :

PLAN :

EXISTING
EXIST. ROAD
SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

1000 : CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
FORM : EXISTING ROW
PROW : PROPOSED ROW
PROPOSED
TDE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TDE LINE

HOR. TANGENT POINT
CULVERT
PROP. DRAIN
FOOTPATH
B/WALL : BREAST WALL
R/WALL : RETAINING WALL

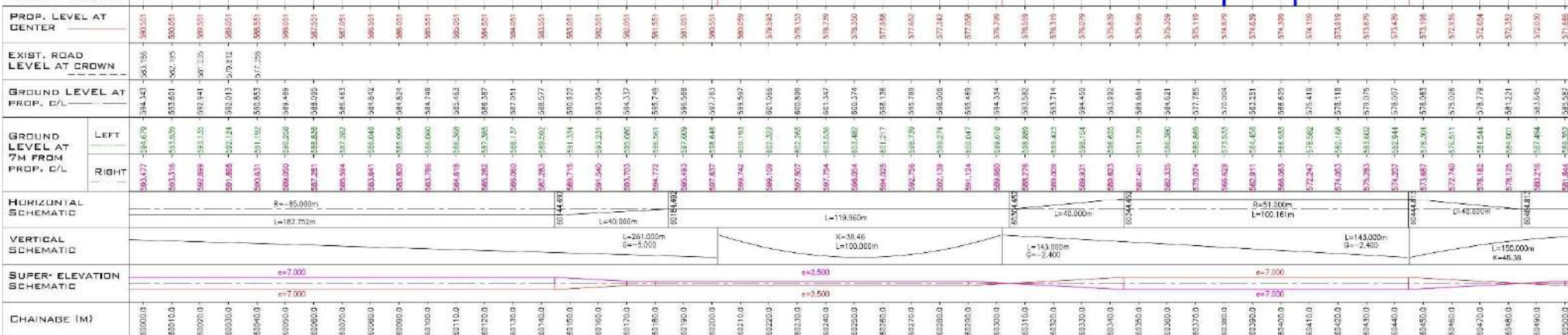
PROFILE :

VER. TANGENT POINT
HIGH/LOW POINT

Shillong

Dawki

DATUM : 560.000



Rev.	Date	Description
R0	01-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 2+210 TO KM 4+160 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+300 IN BOP & CHURCH AREA
R2	03-02-2019	REVISED ALIGNMENT/BOP BETWEEN KM 8+300 TO KM 10+400 & KM 10+390 TO KM 24+430

National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)	Transsys Consulting Pvt. Ltd. Plot 6, Sarda Tower, Old DLF Condo, Condo, Sector-14, Gurgaon-122 001. Tel: 0124-4201002 info@transsys.in, www.transsys.in
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Project: Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA	Drawn By: SUVAR Designed By: SANDHEP Checked By: KSN REDDY Approved By: PK KUNDU
--	---

FINAL DETAILED PROJECT REPORT DATE: Sep. 2019 DRG. NO.: TRANSYS/139/S-D/HW/PNP/121a	Title: Plan & Profile (From Km 60+000 to Km 60+500) Scale: 1:1000 (Plan) 1:100 (Profile) Rev.: R2
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LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

- CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING

- EXISTING ROW
PROPOSED ROW

- PROPOSED
TOE LINE
SH EDGE
CW EDGE
C/L
CW EDGE
SH EDGE
TOE LINE

- HOR. TANGENT POINT

- CULVERT

- PROP. DRAIN

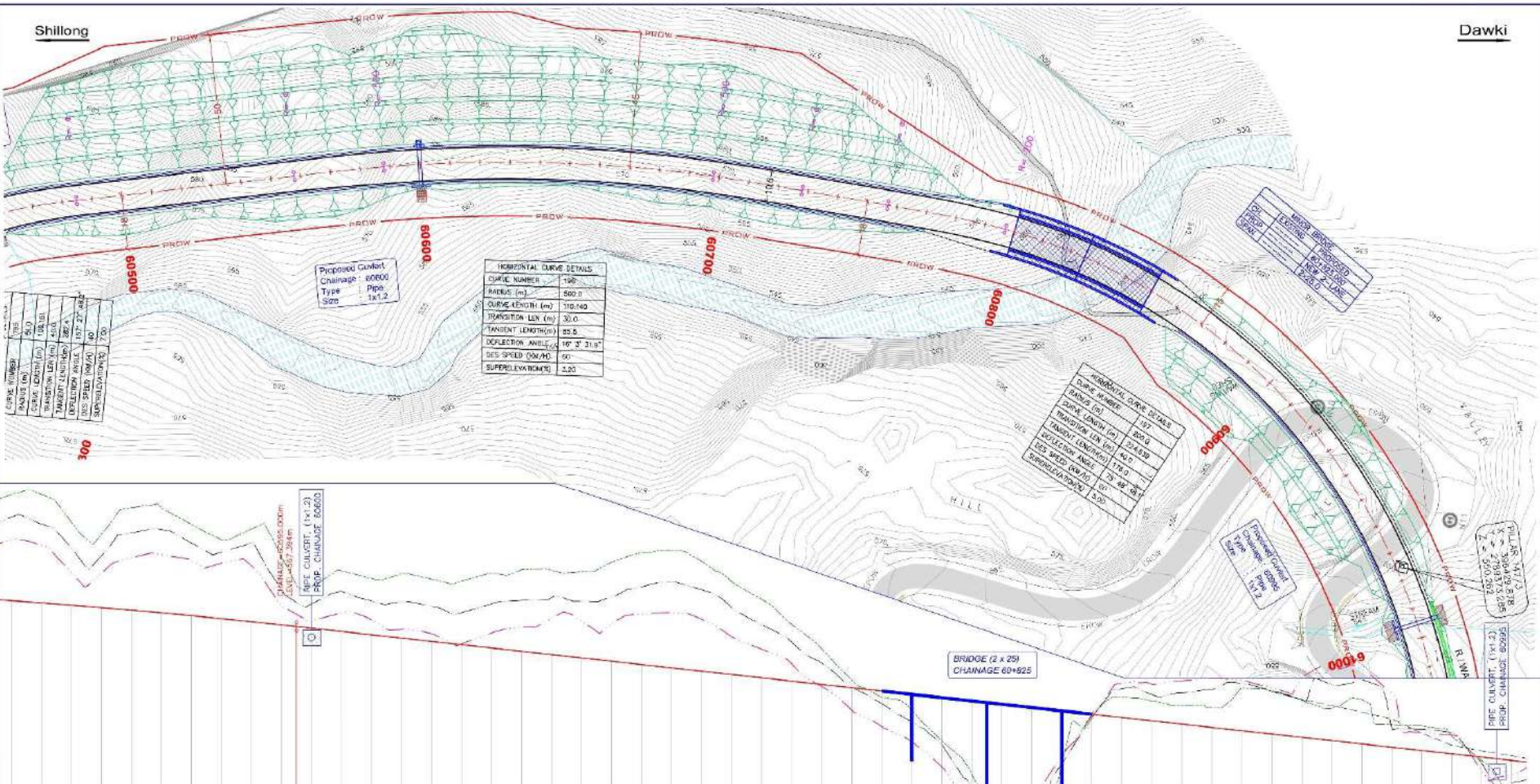
- FOOTPATH
BREAST WALL
RETAINING WALL

PROFILE :

- VER. TANGENT POINT
HIGH/LOW POINT

Shillong

Dawki



DATUM : 540.000

PROP. LEVEL AT CENTER		EXIST. ROAD LEVEL AT CROWN	GROUND LEVEL AT 7M FROM PROP. C/L		HORIZONTAL SCHEMATIC		VERTICAL SCHEMATIC		SUPER ELEVATION SCHEMATIC		CHAINAGE (M)
PROP. C/L			LEFT	RIGHT							
571.688	571.327	570.535	561.944	569.522	-385.587	L=73.021m	L=150.000m K=48.38	e=2.500	e=2.500	60500.0	
571.327	570.535	569.522	569.522	568.710	-385.587					60510.0	
570.535	569.522	568.710	568.710	567.898	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60520.0	
569.522	568.710	567.898	567.898	567.086	-385.587					60530.0	
568.710	567.898	567.086	567.086	566.274	-385.587	L=30.000m	L=5.500	e=3.200	e=3.200	60540.0	
567.898	567.086	566.274	566.274	565.462	-385.587					60550.0	
567.086	566.274	565.462	565.462	564.650	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60560.0	
566.274	565.462	564.650	564.650	563.838	-385.587					60570.0	
565.462	564.650	563.838	563.838	563.026	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60580.0	
564.650	563.838	563.026	563.026	562.214	-385.587					60590.0	
563.838	563.026	562.214	562.214	561.402	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60600.0	
563.026	562.214	561.402	561.402	560.590	-385.587					60610.0	
562.214	561.402	560.590	560.590	559.778	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60620.0	
561.402	560.590	559.778	559.778	558.966	-385.587					60630.0	
560.590	559.778	558.966	558.966	558.154	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60640.0	
559.778	558.966	558.154	558.154	557.342	-385.587					60650.0	
558.966	558.154	557.342	557.342	556.530	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60660.0	
558.154	557.342	556.530	556.530	555.718	-385.587					60670.0	
557.342	556.530	555.718	555.718	554.906	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60680.0	
556.530	555.718	554.906	554.906	554.094	-385.587					60690.0	
555.718	554.906	554.094	554.094	553.282	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60700.0	
554.906	554.094	553.282	553.282	552.470	-385.587					60710.0	
554.094	553.282	552.470	552.470	551.658	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60720.0	
553.282	552.470	551.658	551.658	550.846	-385.587					60730.0	
552.470	551.658	550.846	550.846	550.034	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60740.0	
551.658	550.846	550.034	550.034	549.222	-385.587					60750.0	
550.846	550.034	549.222	549.222	548.410	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60760.0	
550.034	549.222	548.410	548.410	547.598	-385.587					60770.0	
549.222	548.410	547.598	547.598	546.786	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60780.0	
548.410	547.598	546.786	546.786	545.974	-385.587					60790.0	
547.598	546.786	545.974	545.974	545.162	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60800.0	
546.786	545.974	545.162	545.162	544.350	-385.587					60810.0	
545.974	545.162	544.350	544.350	543.538	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60820.0	
545.162	544.350	543.538	543.538	542.726	-385.587					60830.0	
544.350	543.538	542.726	542.726	541.914	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60840.0	
543.538	542.726	541.914	541.914	541.102	-385.587					60850.0	
542.726	541.914	541.102	541.102	540.290	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60860.0	
541.914	541.102	540.290	540.290	539.478	-385.587					60870.0	
541.102	540.290	539.478	539.478	538.666	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60880.0	
540.290	539.478	538.666	538.666	537.854	-385.587					60890.0	
539.478	538.666	537.854	537.854	537.042	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60900.0	
538.666	537.854	537.042	537.042	536.230	-385.587					60910.0	
537.854	537.042	536.230	536.230	535.418	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60920.0	
537.042	536.230	535.418	535.418	534.606	-385.587					60930.0	
536.230	535.418	534.606	534.606	533.794	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60940.0	
535.418	534.606	533.794	533.794	532.982	-385.587					60950.0	
534.606	533.794	532.982	532.982	532.170	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60960.0	
533.794	532.982	532.170	532.170	531.358	-385.587					60970.0	
532.982	532.170	531.358	531.358	530.546	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	60980.0	
532.170	531.358	530.546	530.546	529.734	-385.587					60990.0	
531.358	530.546	529.734	529.734	528.922	-385.587	L=30.000m	L=760.000m e=-5.500	e=3.200	e=3.200	61000.0	
530.546	529.734	528.922	528.922	528.110	-385.587						

Rev.	Date	Description
R1	11-08-2017	FINAL DETAILED PROJECT REPORT
R2	14-04-2018	REVISED ALIGNMENT BETWEEN KM 24+225 TO KM 4+100 IN FOREST AREA
R3	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+000 IN RDP & CHURCH AREA
R4	30-08-2018	REVISED ALIGNMENT/BROW BETWEEN KM 8+000 TO KM 10+400 & KM 10+100 TO KM 24+100

Authority:
National Highways & Infrastructure Development Corporation Ltd.
(Ministry of Road Transport & Highways)

Design Consultants:
Transsys Consulting Pvt. Ltd.
Plot 6, Sarda Tower, Old DLF Condo Complex,
Sector-14, Gurgaon-122 001. Tel: 0124-4251062
info@transsys.in, www.transsys.in

Project:
Shillong - Dawki Section of NH-40
Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

Drawn by: SUVAR
Designed by: SANDEEP
Checked by: KVN REDDY
Approved by: PK KUNDU

FINAL DETAILED PROJECT REPORT

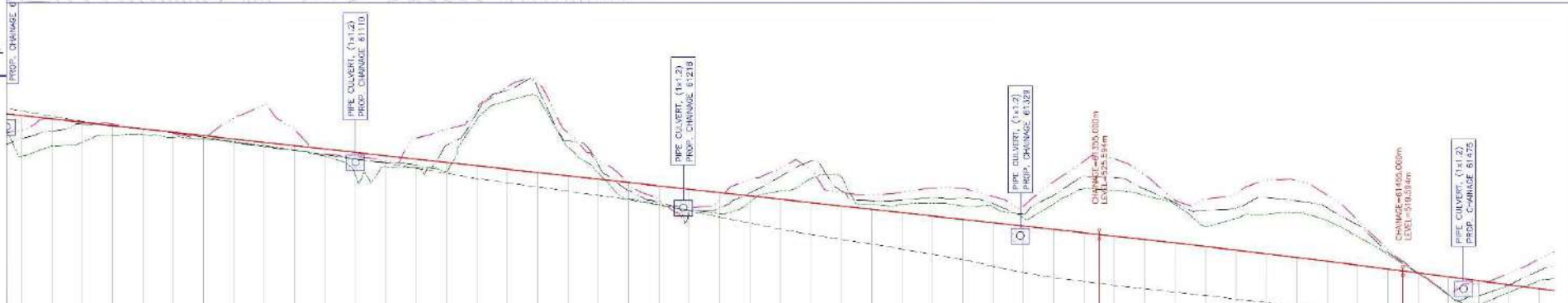
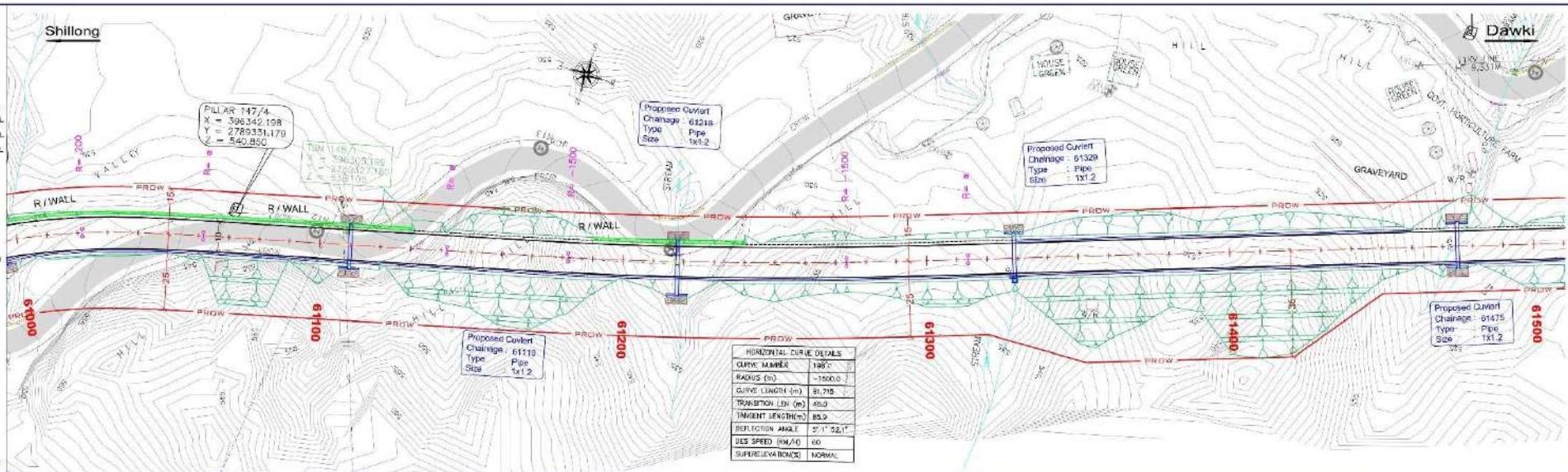
Title: Plan & Profile (From Km 60+500 to Km 61+000)
Date: Sep. 2019
Drawn by: SUVAR
Designed by: SANDEEP
Checked by: KVN REDDY
Approved by: PK KUNDU
Scale: 1:1000 (Plan) & 1:100 (Profile)
Rev: R2
Proj. No.: TRANSYS/139/S-D/HW/PNP/122

TITLE: **Plan & Profile** (Rt on Km 61+000 to Km 61+500)

SCALE: (H=1:1,000; V=1:500 at A2 (Sheet 1))

PRO. NO: **TRANSV/430/S.D/W/BNP/121**

R2



LEGEND :

PLAN :

- EXISTING
- EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
- SP-C : SEMI PUCCA COMM.
- P-R : PUCCA RESIDENTIAL
- P-C : PUCCA COMMERCIAL
- K-R : KUCCA RESIDENTIAL
- HUT : HUT
- CONTOUR
- PEDDY FIELD
- BOUNDARY WALL
- FENCING
- EXIST. ROW
- PROPOSED ROW
- PROPOSED
- T/OE LINE
- SH EDGE
- C/W EDGE
- C/L
- C/W EDGE
- SH EDGE
- T/OE LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL BREAST WALL
- R/WALL RETAINING WALL

PROFILE :

- VER. TANGENT POINT
- HIGH/LOW POINT

DATUM : 480.000

PROP. LEVEL AT CENTER	
EXIST. ROAD LEVEL AT CROWN	
GROUND LEVEL AT PROP. C/L	
GROUND LEVEL AT 7M FROM PROP. C/L	LEFT
	RIGHT
HORIZONTAL SCHEMATIC	
VERTICAL SCHEMATIC	
SUPER ELEVATION SCHEMATIC	
CHAINAGE (M)	
61500.0	61500.0
61510.0	61510.0
61520.0	61520.0
61530.0	61530.0
61540.0	61540.0
61550.0	61550.0
61560.0	61560.0
61570.0	61570.0
61580.0	61580.0
61590.0	61590.0
61600.0	61600.0
61610.0	61610.0
61620.0	61620.0
61630.0	61630.0
61640.0	61640.0
61650.0	61650.0
61660.0	61660.0
61670.0	61670.0
61680.0	61680.0
61690.0	61690.0
61700.0	61700.0
61710.0	61710.0
61720.0	61720.0
61730.0	61730.0
61740.0	61740.0
61750.0	61750.0
61760.0	61760.0
61770.0	61770.0
61780.0	61780.0
61790.0	61790.0
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Rev.	Date	Description
R1	01-08-2017	FINAL DETAILED PROJECT REPORT
R2	14-04-2018	REVISED ALIGNMENT BETWEEN KM 2+242 TO KM 4+180 IN FOREST AREA
R3	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+200 IN ROP & CHURCH AREA
R4	30-08-2018	REVISED ALIGNMENT/BETWEEN KM 8+300 TO KM 10+400 & KM 20+100 TO KM 24+100

Authority
National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)

Design Consultants
Transsys Consulting Pvt. Ltd. Plot 6, Sarda Tower, Old DLF Colony, Gurgaon, Sector-14, Gurgaon-122 001. Tel: 0124-4201002 info@transsys.in, www.transsys.in

Project
Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

Drawn By
SUNAR
Designed By
SANDEEP
Checked By
KVN REDDY
Approved By
PK KUNDU

Final Detailed Project Report
DATE: Sep. 2019

Title: Plan & Profile (From Km 61+500 to Km 62+000)
Scale: 1:1000 (Plan) 1:1000 (Profile)
DRG. NO: TRANSYS/139/S-D/HW/PNP/124
R2

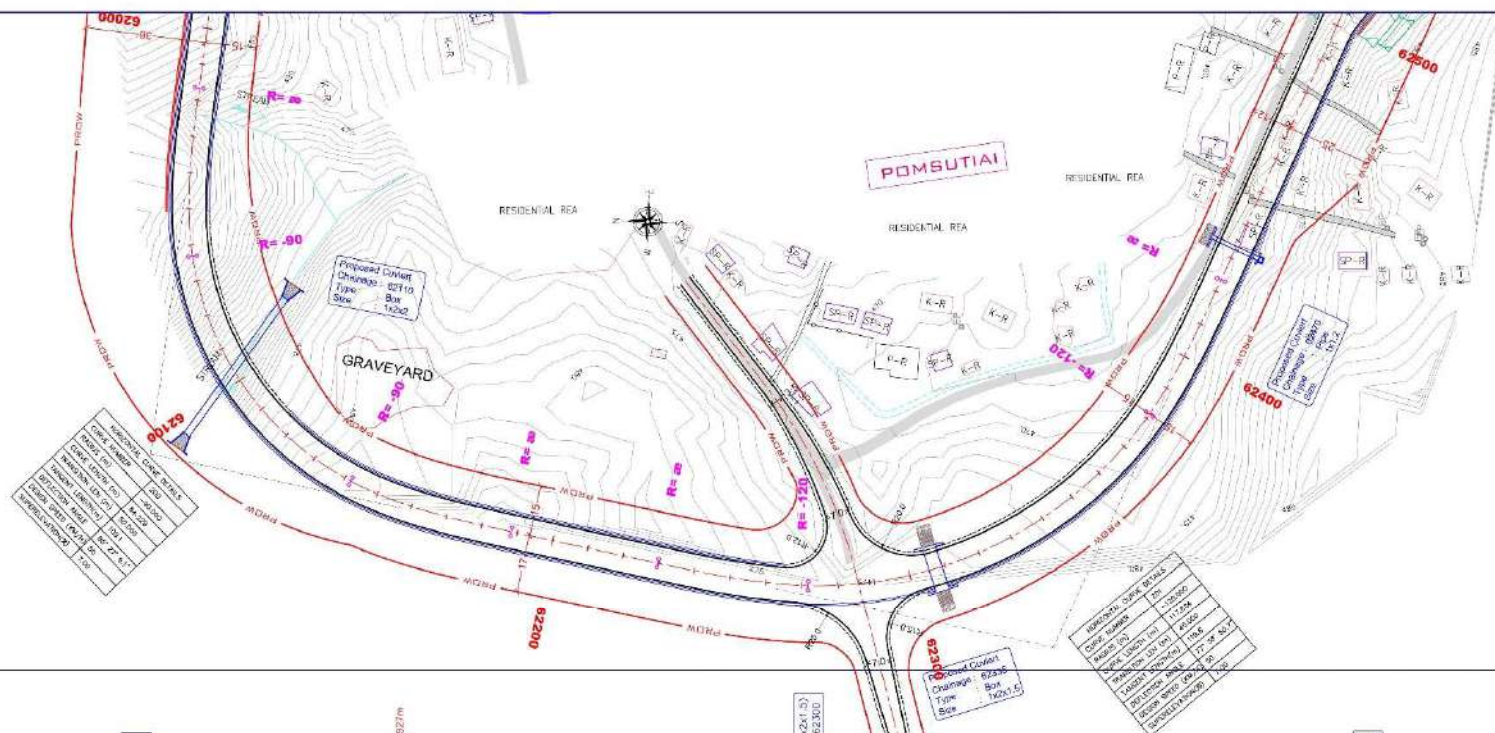
LEGEND :

PLAN :

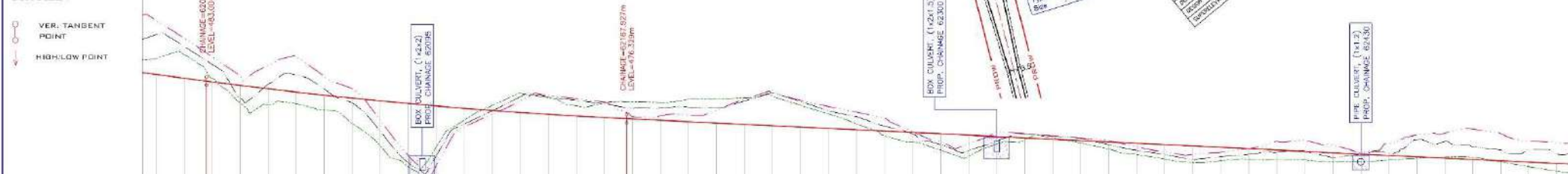
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EXIST. ROAD	
SP-R : SEMI PUCCA RESI.	
SP-C : SEMI PUCCA COMM.	
P-R : PUCCA RESIDENTIAL	
P-C : PUCCA COMMERCIAL	
K-R : KUCCA RESIDENTIAL	
HUT :	
CONTOUR	
PEDDY FIELD	
BOUNDARY WALL	
FENCING	
FORM - EXISTING ROW	
PROW - PROPOSED ROW	
PROPOSED	
TOE LINE	
SH EDGE	
CW EDGE	
C/L	
CW EDGE	
SH EDGE	
TOE LINE	
HOR. TANGENT POINT	
CULVERT	
PROP. DRAIN	
FOOTPATH	
B/WALL BREAST WALL	
R/WALL RETAINING WALL	

Shillong

Dawki



PROFILE :



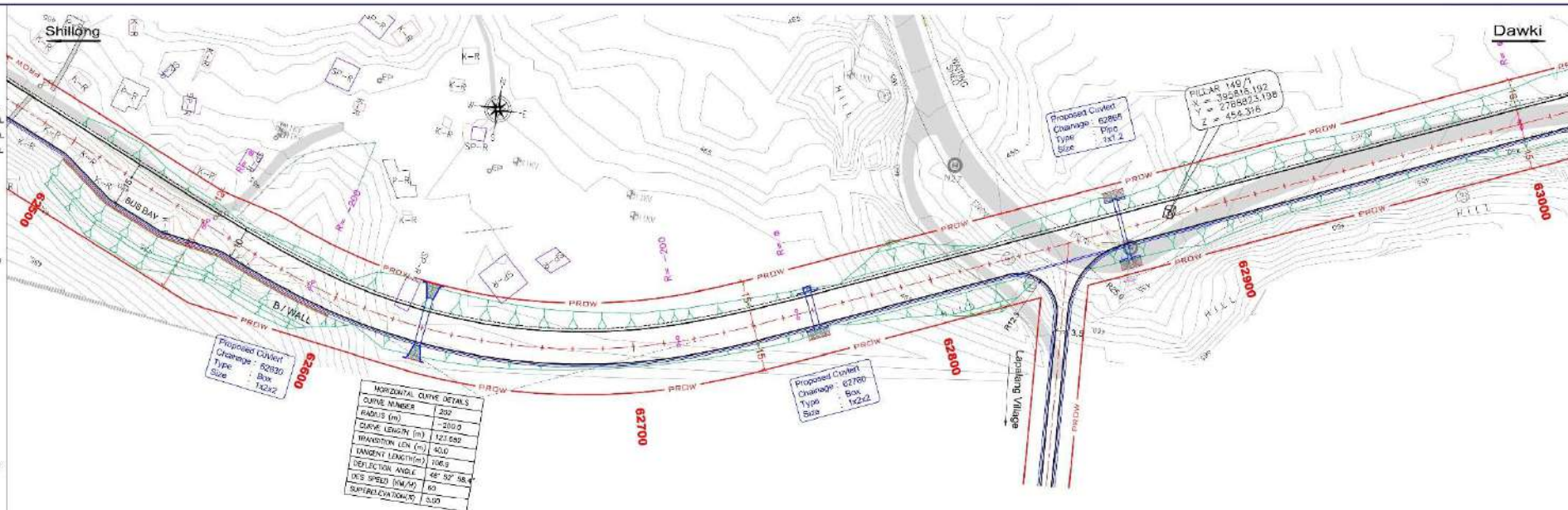
DATUM : 460.000

PROP. LEVEL AT CENTER		684.185	683.519	682.889	682.239	681.533	680.769	679.959	679.099	678.289	677.529	676.719	675.859	674.949	673.989	672.989	671.949	670.869	669.749	668.589	667.389	666.149	664.869	663.549	662.189	660.789	659.349	657.869	656.349	654.789	653.189	651.549	649.869	648.149	646.389	644.589	642.749	640.869	638.949	636.989	634.989	632.949	630.869	628.749	626.589	624.389	622.149	619.869	617.549	615.189	612.789	610.349	607.869	605.349	602.789	600.189	597.549	594.869	592.149	589.389	586.589	583.749	580.869	577.949	574.989	571.989	568.949	565.869	562.749	559.589	556.389	553.149	549.869	546.589	543.249	539.869	536.489	533.049	529.589	526.049	522.489	518.869	515.189	511.489	507.789	504.049	500.289	496.489	492.649	488.789	484.869	480.869	476.789	472.589	468.349	464.049	459.689	455.289	450.789	446.189	441.489	436.689	431.789	426.789	421.689	416.489	411.189	405.789	400.289	394.689	388.989	383.189	377.289	371.289	365.189	358.989	352.689	346.289	339.789	333.189	326.489	319.689	312.789	305.789	298.689	291.489	284.189	276.789	269.289	261.689	253.989	246.189	238.289	230.289	222.189	213.989	205.689	197.489	189.189	180.789	171.489	162.689	153.789	144.789	135.689	126.489	117.189	107.789	98.289	88.689	78.989	69.189	59.289	49.289	39.189	28.989	18.689	8.289	2.189	12.489	22.689	32.789	42.789	52.689	62.489	72.189	81.789	91.289	100.689	109.989	119.189	128.289	137.289	146.189	154.989	163.689	172.289	180.789	189.189	197.489	205.689	213.789	221.789	229.689	237.489	245.189	252.789	260.289	267.689	274.989	282.189	289.289	296.289	303.189	309.989	316.689	323.289	329.789	336.189	342.489	348.689	354.789	360.789	366.689	372.489	378.189	383.689	389.089	394.289	399.289	404.089	408.689	413.189	417.589	421.789	425.789	429.589	433.189	436.689	440.089	443.289	446.289	449.089	451.689	454.089	456.289	458.289	460.189	461.889	463.389	464.689	465.789	466.689	467.389	467.889	468.189	468.289	468.289	468.189	467.889	467.389	466.689	465.789	464.689	463.389	461.889	460.189	458.289	456.289	454.089	451.689	449.089	446.289	443.289	440.089	436.689	433.189	429.589	425.789	421.789	417.589	413.189	408.689	404.089	399.289	394.289	389.089	383.689	378.189	372.489	366.689	360.789	354.789	348.689	342.489	336.189	329.789	323.289	316.689	309.989	303.189	296.289	289.289	282.189	274.989	267.689	260.289	252.789	245.189	237.489	229.689	221.789	213.989	205.689	197.489	189.189	180.789	171.489	162.689	153.789	144.789	135.689	126.489	117.189	107.789	98.289	88.689	78.989	69.189	59.289	49.289	39.189	28.989	18.689	8.289	2.189	12.489	22.689	32.789	42.789	52.689	62.489	72.189	81.789	91.289	100.689	109.989	119.189	128.289	137.289	146.189	154.989	163.689	172.289	180.789	189.189	197.489	205.689	213.789	221.789	229.689	237.489	245.189	252.789	260.289	267.689	274.989	282.189	289.289	296.289	303.189	309.989	316.689	323.289	329.789	336.189	342.489	348.689	354.789	360.789	366.689	372.489	378.189	383.689	389.089	394.289	399.289	404.089	408.689	413.189	417.589	421.789	425.789	429.589	433.189	436.689	440.089	443.289	446.289	449.089	451.689	454.089	456.289	458.289	460.189	461.889	463.389	464.689	465.789	466.689	467.389	467.889	468.189	468.289	468.289	468.189	467.889	467.389	466.689	465.789	464.689	463.389	461.889	460.189	458.289	456.289	454.089	451.689	449.089	446.289	443.289	440.089	436.689	433.189	429.589	425.789	421.789	417.589	413.189	408.689	404.089	399.289	394.289	389.089	383.689	378.189	372.489	366.689	360.789	354.789	348.689	342.489	336.189	329.789	323.289	316.689	309.989	303.189	296.289	289.289	282.189	274.989	267.689	260.289	252.789	245.189	237.489	229.689	221.789	213.989	205.689	197.489	189.189	180.789	171.489	162.689	153.789	144.789	135.689	126.489	117.189	107.789	98.289	88.689	78.989	69.189	59.289	49.289	39.189	28.989	18.689	8.289	2.189	12.489	22.689	32.789	42.789	52.689	62.489	72.189	81.789	91.289	100.689	109.989	119.189	128.289	137.289	146.189	154.989	163.689	172.289	180.789	189.189	197.489	205.689	213.789	221.789	229.689	237.489	245.189	252.789	260.289	267.689	274.989	282.189	289.289	296.289	303.189	309.989	316.689	323.289	329.789	336.189	342.489	348.689	354.789	360.789	366.689	372.489	378.189	383.689	389.089	394.289	399.289	404.089	408.689	413.189	417.589	421.789	425.789	429.589	433.189	436.689	440.089	443.289	446.289	449.089	451.689	454.089	456.289	458.289	460.189	461.889	463.389	464.689	465.789	466.689	467.389	467.889	468.189	468.289	468.289	468.189	467.889	467.389	466.689	465.789	464.689	463.389	461.889	460.189	458.289	456.289	454.089	451.689	449.089	446.289	443.289	440.089	436.689	433.189	429.589	425.789	421.789	417.589	413.189	408.689	404.089	399.289	394.289	389.089	383.689	378.189	372.489	366.689	360.789	354.789	348.689	342.489	336.189	329.789	323.289	316.689	309.989	303.189	296.289	289.289	282.189	274.989	267.689	260.289	252.789	245.189	237.489	229.689	221.789	213.989	205.689	197.489	189.189	180.789	171.489	162.689	153.789	144.789	135.689	126.489	117.189	107.789	98.289	88.689	78.989	69.189	59.289	49.289	39.189	28.989	18.689	8.289	2.189	12.489	22.689	32.789	42.789	52.689	62.4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LEGEND :

PLAN :

- EXISTING
EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
- CONTOUR
PEDDY FIELD
BOUNDARY WALL
FENCING
- EXISTING ROW
PROPOSED ROW
- PROPOSED
T.O.E LINE
S.H. EDGE
C.W. EDGE
C/L
C.W. EDGE
S.H. EDGE
T.O.E LINE
- HOR. TANGENT POINT
- CULVERT
- PROP. DRAIN
- FOOTPATH
- B/WALL : BREAST WALL
R/WALL : RETAINING WALL



PROFILE :



DATUM : 445.000

PROP. LEVEL AT CENTER		448.328	448.110	447.879	447.629	447.359	447.059	446.719	446.339	445.919	445.459	444.959	444.419	443.839	443.219	442.559	441.859	441.119	440.339	440.519	440.659	440.759	440.819	440.839	440.819	440.759	440.659	440.519	440.339	440.119	439.879	439.619	439.329	438.999	438.619	438.189	437.709	437.169	436.569	435.909	435.189	434.409	433.569	432.669	431.709	430.689	429.609	428.459	427.239	425.949	424.589	423.159	421.659	420.089	418.449	416.749	414.989	413.169	411.289	409.349	407.349	405.289	403.169	400.989	398.749	396.449	394.089	391.669	389.189	386.649	384.049	381.389	378.669	375.889	373.049	370.149	367.189	364.169	361.089	357.949	354.749	351.489	348.169	344.789	341.349	337.849	334.289	330.669	326.989	323.249	319.449	315.589	311.669	307.689	303.649	299.549	295.389	291.169	286.889	282.549	278.149	273.689	269.169	264.589	259.949	255.249	250.489	245.689	240.849	235.949	230.989	225.989	220.949	215.849	210.689	205.489	200.249	194.989	189.689	184.349	178.949	173.489	167.989	162.449	156.849	151.189	145.489	139.749	133.949	128.089	122.169	116.189	110.149	104.049	97.889	91.669	85.389	79.049	72.649	66.189	59.689	53.149	46.569	39.949	33.289	26.589	19.849	13.049	6.249	-0.149	-6.349	-12.489	-18.569	-24.589	-30.549	-36.449	-42.289	-48.089	-53.849	-59.549	-65.189	-70.789	-76.349	-81.849	-87.289	-92.689	-98.049	-103.349	-108.589	-113.789	-118.949	-124.049	-129.089	-134.089	-139.049	-143.949	-148.789	-153.589	-158.349	-163.049	-167.689	-172.289	-176.849	-181.349	-185.789	-190.189	-194.549	-198.849	-203.089	-207.289	-211.449	-215.549	-219.589	-223.589	-227.549	-231.449	-235.289	-239.089	-242.849	-246.549	-250.189	-253.789	-257.349	-260.849	-264.289	-267.689	-271.049	-274.349	-277.589	-280.789	-283.949	-287.049	-290.089	-293.089	-296.049	-298.949	-301.789	-304.589	-307.349	-310.049	-312.689	-315.289	-317.849	-320.349	-322.789	-325.189	-327.549	-329.849	-332.089	-334.289	-336.449	-338.549	-340.589	-342.589	-344.549	-346.449	-348.289	-350.089	-351.789	-353.449	-355.049	-356.589	-358.049	-359.449	-360.789	-362.089	-363.349	-364.549	-365.689	-366.789	-367.849	-368.849	-369.789	-370.689	-371.549	-372.349	-373.089	-373.689	-374.189	-374.589	-374.889	-375.089	-375.189	-375.189	-375.089	-374.889	-374.589	-374.189	-373.689	-373.089	-372.349	-371.549	-370.689	-369.789	-368.849	-367.849	-366.789	-365.689	-364.549	-363.349	-362.089	-360.789	-359.449	-358.049	-356.589	-355.049	-353.449	-351.789	-350.089	-348.289	-346.449	-344.549	-342.589	-340.589	-338.549	-336.449	-334.289	-332.089	-329.849	-327.549	-325.189	-322.789	-320.349	-317.849	-315.289	-312.689	-309.949	-307.189	-304.349	-301.449	-298.489	-295.489	-292.449	-289.349	-286.189	-282.989	-279.749	-276.449	-273.089	-269.689	-266.249	-262.789	-259.289	-255.749	-252.149	-248.489	-244.789	-241.049	-237.249	-233.389	-229.489	-225.549	-221.549	-217.489	-213.349	-209.149	-204.889	-200.589	-196.249	-191.849	-187.389	-182.889	-178.349	-173.749	-169.089	-164.389	-159.649	-154.849	-150.049	-145.189	-140.289	-135.349	-130.349	-125.289	-120.149	-114.949	-109.649	-104.289	-98.849	-93.349	-87.789	-82.149	-76.449	-70.689	-64.849	-58.949	-52.989	-46.989	-40.949	-34.889	-28.749	-22.549	-16.289	-10.049	-3.789	2.549	8.749	14.889	20.949	26.989	32.989	38.949	44.889	50.749	56.549	62.289	67.989	73.649	79.249	84.789	90.289	95.749	101.149	106.489	111.789	117.049	122.249	127.389	132.489	137.549	142.589	147.589	152.549	157.449	162.289	167.089	171.789	176.449	181.049	185.589	190.089	194.549	198.949	203.289	207.589	211.849	216.049	220.189	224.289	228.349	232.389	236.389	240.349	244.249	248.089	251.889	255.589	259.189	262.689	266.089	269.449	272.749	275.989	279.149	282.249	285.289	288.289	291.249	294.149	296.989	299.789	302.549	305.249	307.889	310.489	312.989	315.449	317.849	320.189	322.489	324.689	326.789	328.789	330.689	332.489	334.189	335.789	337.289	338.689	339.989	341.189	342.289	343.289	344.189	344.989	345.689	346.289	346.789	347.189	347.489	347.689	347.789	347.789	347.689	347.489	347.189	346.789	346.289	345.689	344.989	344.189	343.289	342.289	341.189	339.989	338.689	337.289	335.789	334.189	332.489	330.689	328.789	326.789	324.689	322.489	320.189	317.849	315.449	312.989	310.489	307.889	305.249	302.549	299.789	296.989	294.149	291.249	288.289	285.289	282.249	279.149	275.989	272.749	269.449	266.089	262.689	259.189	255.589	251.889	248.089	244.249	240.349	236.389	232.389	228.349	224.289	220.189	216.049	211.849	207.589	203.289	198.949	194.549	190.089	185.589	181.049	176.449	171.789	167.089	162.289	157.449	152.549	147.589	142.589	137.549	132.489	127.389	122.249	117.049	111.789	106.489	101.149	95.749	90.289	84.789	79.249	73.649	67.989	62.289	56.549	50.749	44.889	38.949	32.989	26.989	20.949	14.889	8.749	2.549	-3.789	-9.789	-15.689	-21.489	-27.189	-32.789	-38.289	-43.689	-48.989	-54.189	-59.289	-64.289	-69.189	-73.989	-78.689	-83.289	-87.789	-92.189	-96.489	-100.689	-104.789	-108.789	-112.689	-116.489	-120.189	-123.789	-127.289	-130.689	-134.049	-137.349	-140.549	-143.689	-146.789	-149.849	-152.849	-155.789	-158.649	-161.449	-164.189	-166.849	-169.449	-171.989	-174.489	-176.889	-179.189	-181.389	-183.489	-185.489	-187.389	-189.189	-190.889	-192.489	-194.049	-195.549	-196.989	-198.349	-199.589	-200.689	-201.689	-202.589	-203.389	-204.089	-204.689	-205.189	-205.589	-205.889	-206.089	-206.189	-206.189	-206.089	-205.889	-205.589	-205.189	-204.689	-204.089	-203.389	-202.589	-201.689	-200.689	-199.589	-198.349	-196.989	-195.549	-194.049	-192.489	-190.889	-189.189	-187.389	-185.489	-183.489	-181.389	-179.189	-176.889	-174.489	-171.989	-169.449	-166.849	-164.189	-161.449	-158.649	-155.789	-152.849	-149.849	-146.789	-143.689	-140.549	-137.349	-134.049	-130.689	-127.289	-123.789	-120.189	-116.489	-112.689	-108.789	-104.789	-100.689	-96.489	-92.189	-87.789	-83.289	-78.689	-73.989	-69.189	-64.289	-59.289	-54.189	-48.989	-43.689	-38.289	-32.789	-27.189	-21.489	-15.689	-9.789	-3.789	2.549	8.749	14.889	20.949	26.989	32.989	38.949	44.889	50.749	56.549	62.289	67.989	73.649	79.249	84.789	90.289	95.749	101.149	106.489	111.789	117.049	122.249	127.389	132.489	137.549	142.589	147.589	152.549	157.449	162.289	167.089	171.789	176.449	181.049	185.589	190.089	194.549	198.949	203.289	207.589	211.849	216.049	220.189	224.289	228.349	232.389	236.389	240.349	244.249	248.089	251.889	255.589	259.189	262.689	266.089	269.449	272.749	275.989	279.149	282.249	285.289	288.289	291.249	294.149	296.989	299.789	302.549	305.249	307.889	310.489	312.989	315.449	317.849	320.189	322.489	324.689	326.789	328.789	330.689	332.489	334.189	335.789	337.289	338.689	339.989	341.189	342.289	343.289	344.189	344.989	345.689	346.289	346.789	347.189	347.489	347.689	347.789	347.789	347.689	347.489	347.189	346.789	346.289	345.689	344.989	344.189	343.289	342.289	341.189	339.989	338.689	337.289	335.789	334.189	332.489	330.689	328.789	326.789	324.689	322.489	320.189	317.849	315.449	312.989	310.489	307.889	305.249	302.549	299.789	296.989	294.149	291.249	288.289	285.289	282.249	279.149	275.989	272.749	269.449	266.089	262.689	259.189	255.589	251.889	248.089	244.249	240.349	236.389	232.389	228.349	224.289	220.189	216.049	211.849	207.589	203.289	198.949	194.549	190.089	185.589	181.049	176.449	171.789	167.089	162.289	157.449	152.549	147.589	142.589	137.549	132.489	127.389	122.249	117.049	111.789	106.489	101.149	95.749	90.289	84.789	79.249	73.649	67.989	62.289	56.549	50.749	44.889	38.949	32.989	26.989	20.949	14.889	8.749	2.549	-3.789	-9.789	-15.689	-21.489	-27.189	-32.789	-38.289	-43.689	-48.989	-54.189	-59.289	-64.289	-69.189	-73.989	-78.689	-83.289	-87.789	-92.189	-96.489	-100.689	-104.789	-108.789	-112.689	-116.489	-120.189	-123.789	-127.289	-130.689	-134.049	-137.349	-140.549	-143.689	-146.789	-149.849	-152.849	-155.789	-158.649	-161.449	-164.189	-166.849	-169.449	-171.989	-174.489	-176.889	-179.189	-181.389	-183.489	-185.489	-187.389	-189.189	-190.889	-192.489	-194.049	-195.549	-196.989	-198.349	-199.589	-200.689	-201.689	-202.589	-203.389	-204.089	-204.689	-205.189	-205.589	-205.889	-206.089	-206.189	-206.189	-206.089	-205.889	-205.589	-205.189	-204.689	-204.089	-203.389	-202.589	-201.689	-200.689	-199.589	-198.349	-196.989	-195.549	-194.049	-192.489	-190.889	-189.189	-187.389	-185.489	-183.489	-181.389	-179.189	-176.889	-174.489	-171.989	-169.449	-166.849	-164.189	-161.449	-158.649	-155.789	-152.849	-149.849	-146.789	-143.689	-140.549	-137.349	-134.049	-130.689	-127.289	-123.789	-120.189	-116.489	-112.689	-108.789	-104.789	-100.689	-96.489	-92.189	-87.789	-82.149	-76.449	-70.689	-64.849	-58.949	-52.989	-46.989	-40.949	-34.889	-28.749	-22.549	-16.289	-10.049	-3.789	2.549	8.749
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LEGEND :

PLAN :

EXISTING	
EXIST. ROAD	
SP-R : SEMI PUCCA RESI.	
SP-C : SEMI PUCCA COMM.	
P-R : PUCCA RESIDENTIAL	
P-C : PUCCA COMMERCIAL	
K-R : KUCCA RESIDENTIAL	
HUT :	
CONTOUR	
PEDDY FIELD	
BOUNDARY WALL	
FENDING	
EXISTING ROW	
PROPOSED ROW	
PROPOSED	
TOE LINE	
SH EDGE	
CW EDGE	
C/L	
CW EDGE	
SH EDGE	
TOE LINE	
HOR. TANGENT POINT	
CULVERT	
PROP. DRAIN	
FOOTPATH	
B/WALL BREAST WALL	
R/WALL RETAINING WALL	

PROFILE :

VER. TANGENT POINT	
HIGH/LOW POINT	

DATUM : 400.000

PROP. LEVEL AT CENTER		EXIST. ROAD LEVEL AT CROWN	GROUND LEVEL AT PROP. C/L	GROUND LEVEL AT 7M FROM PROP. C/L	HORIZONTAL SCHEMATIC	VERTICAL SCHEMATIC	SUPER ELEVATION SCHEMATIC	CHAINAGE (M)
LEFT	RIGHT							
432.235	430.252	-433.800	-433.066	-430.252	L=50.000m	L=1116.634m G=-0.000	e=2.500	63500.0
431.848	430.072	-433.266	-432.019	-430.072				63510.0
431.423	430.022	-432.683	-431.864	-430.022	L=73.223m		e=2.500	63520.0
431.322	432.300	-432.080	-431.987	-432.300				63530.0
431.210	433.696	-431.486	-433.800	-433.696	L=30.000m		e=4.000	63540.0
434.560	435.828	-430.886	-435.749	-435.828				63550.0
435.789	430.990	-430.290	-436.711	-430.990	L=35.372m		e=2.500	63560.0
437.108	435.000	-432.816	-435.816	-435.000				63570.0
436.534	435.128	-432.090	-435.639	-435.128	L=30.000m		e=2.500	63580.0
433.441	434.998	-434.001	-434.998	-434.998			e=4.000	63590.0
437.548	434.610	-433.014	-435.014	-434.610	L=30.000m		e=2.500	63600.0
436.753	433.988	-432.280	-435.427	-433.988			e=4.000	63610.0
435.512	433.161	-434.209	-434.209	-433.161	L=30.000m		e=2.500	63620.0
432.269	431.982	-431.982	-431.982	-431.982			e=4.000	63630.0
431.328	431.000	-431.184	-431.184	-431.000	L=30.000m		e=2.500	63640.0
431.000	431.000	-431.000	-431.000	-431.000			e=4.000	63650.0
431.000	431.000	-431.000	-431.000	-431.000	L=30.000m		e=2.500	63660.0
431.000	431.000	-431.000	-431.000	-431.000			e=4.000	63670.0
432.785	430.728	-431.389	-431.389	-430.728	L=30.000m		e=2.500	63680.0
433.183	432.870	-431.527	-431.527	-432.870			e=4.000	63690.0
432.861	430.064	-431.316	-431.316	-430.064	L=30.000m		e=2.500	63700.0
432.941	430.064	-431.286	-431.286	-430.064			e=4.000	63710.0
432.963	430.064	-431.303	-431.303	-430.064	L=30.000m		e=2.500	63720.0
433.044	432.728	-431.389	-431.389	-432.728			e=4.000	63730.0
433.183	432.870	-431.527	-431.527	-432.870	L=30.000m		e=2.500	63740.0
433.386	430.074	-431.727	-431.727	-430.074			e=4.000	63750.0
433.220	430.538	-431.987	-431.987	-430.538	L=30.000m		e=2.500	63760.0
432.913	430.963	-432.184	-432.184	-430.963			e=4.000	63770.0
432.144	431.040	-431.886	-431.886	-431.040	L=30.000m		e=2.500	63780.0
430.863	430.897	-431.198	-431.198	-430.897			e=4.000	63790.0
429.343	430.216	-429.890	-429.890	-430.216	L=30.000m		e=2.500	63800.0
427.788	428.804	-428.500	-428.500	-428.804			e=4.000	63810.0
426.346	427.518	-426.950	-426.950	-427.518	L=30.000m		e=2.500	63820.0
424.882	426.322	-425.409	-425.409	-426.322			e=4.000	63830.0
424.101	424.702	-424.446	-424.446	-424.702	L=30.000m		e=2.500	63840.0
423.408	424.328	-423.778	-423.778	-424.328			e=4.000	63850.0
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413.520	414.501	-413.969	-413.969	-414.501			e=4.000	63930.0
412.090	412.820	-412.476	-412.476	-412.820	L=30.000m		e=2.500	63940.0
412.000	412.000	-412.000	-412.000	-412.000			e=4.000	63950.0
412.000	410.293	-411.554	-411.554	-410.293	L=30.000m		e=2.500	63960.0
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							e=4.000	

Rev.	Date	Description
R0	01-08-2017	FINAL DETAILED PROJECT REPORT
R1	14-04-2018	REVISED ALIGNMENT BETWEEN KM 2+250 TO KM 4+100 IN FOREST AREA
R1	26-06-2018	REVISED ALIGNMENT BETWEEN KM 75+000 TO KM 76+500 IN ROP & CHURCH AREA
R2	30-08-2019	REVISED ALIGNMENT/BROW BETWEEN KM 8+500 TO KM 10+400 & KM 10+500 TO KM 24+400

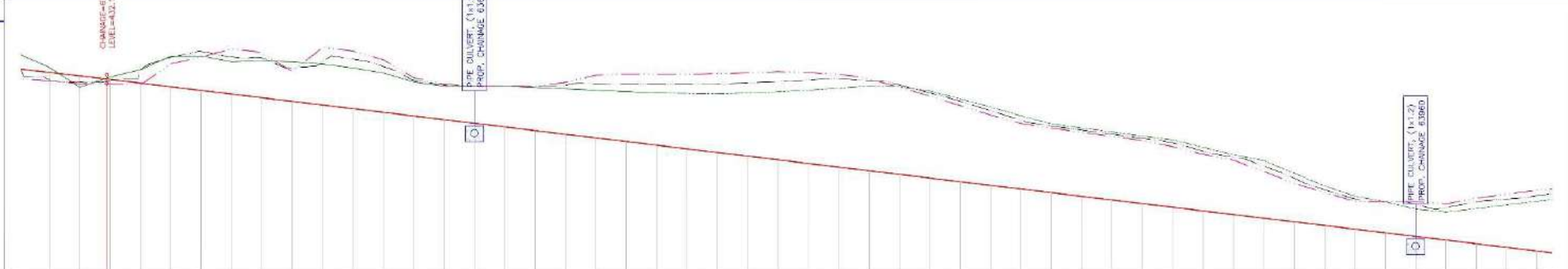
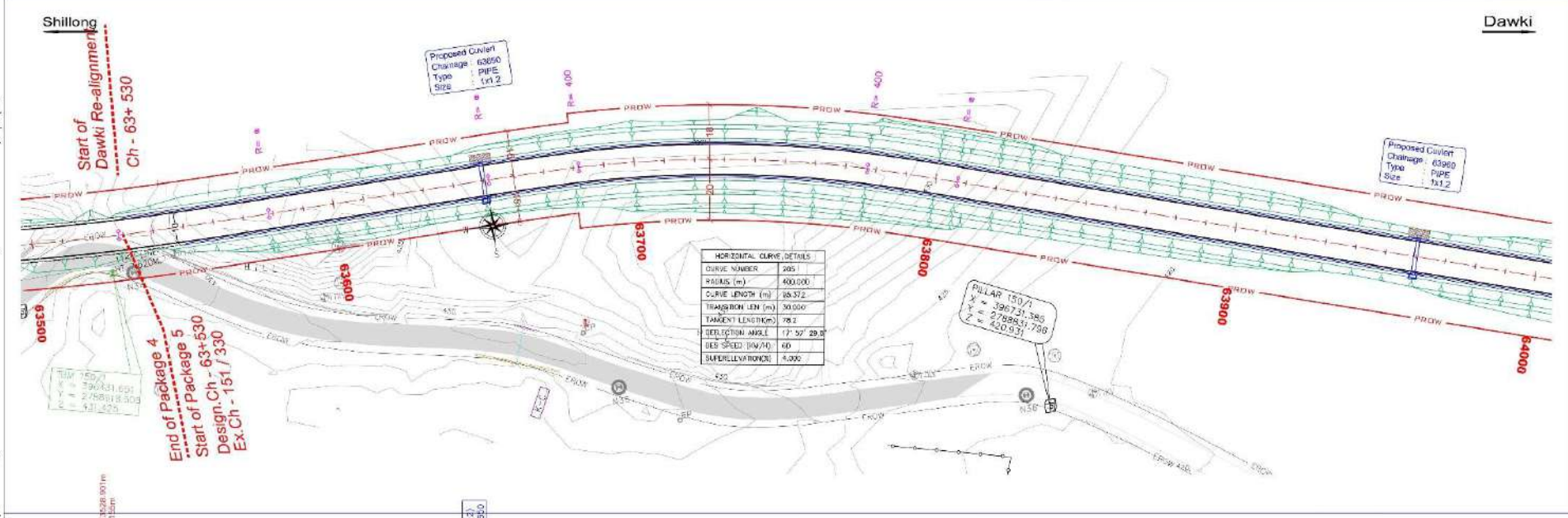
Authority:	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
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Design Consultants:	Transsys Consulting Pvt. Ltd. Plot 6, Surya Tower, Old DLF Colony, Connaught Place, New Delhi-110028 Tel: 011-42442012 Email: info@transsys.in, www.transsys.in
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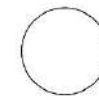
Project:	Shillong - Dawki Section of NH-40 Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder & Lining of NH-40 between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA
-----------------	--

Drawn By:	SUNAR
Designed By:	SANDEEP
Checked By:	KVN REDDY
Approved By:	PK KUNDU

FINAL DETAILED PROJECT REPORT	Title: Plan & Profile (From Km 63+500 to Km 64+000)
Date: Sep. 2019	Rev: R2

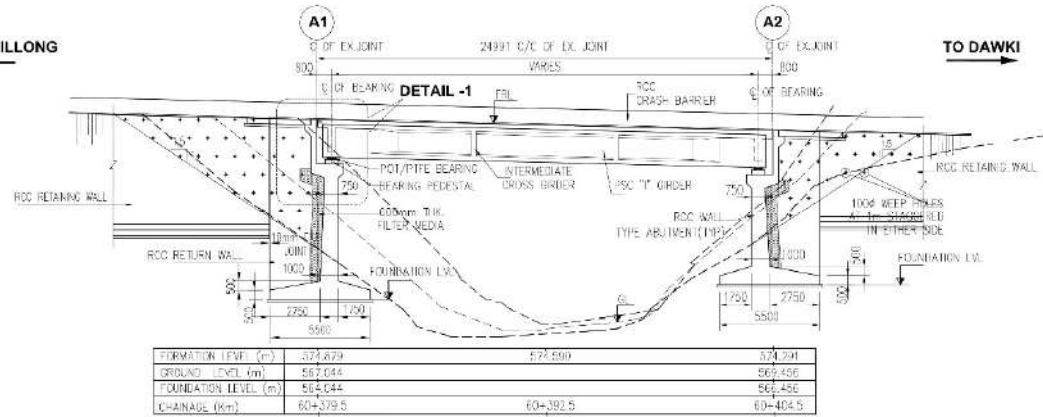
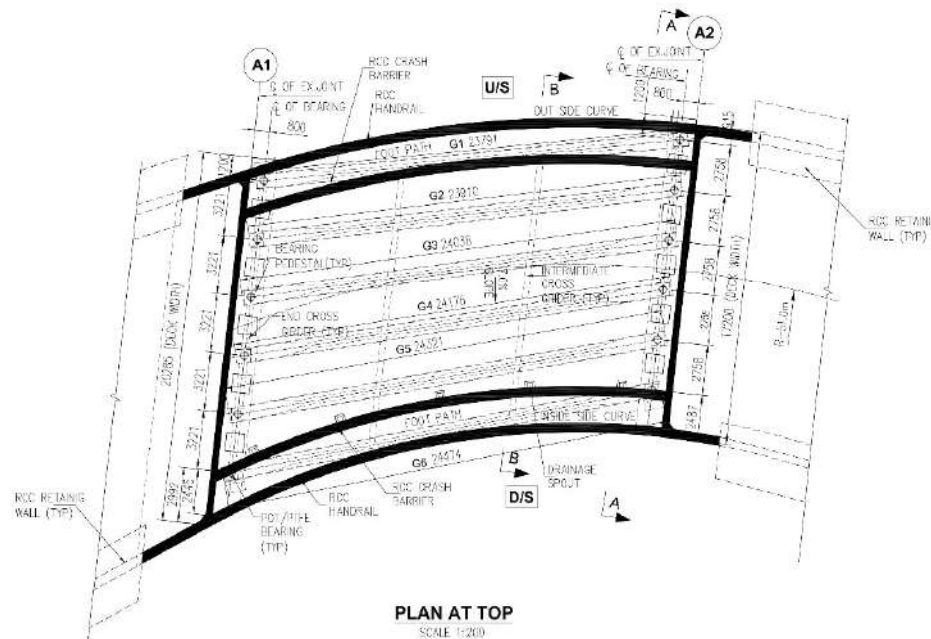


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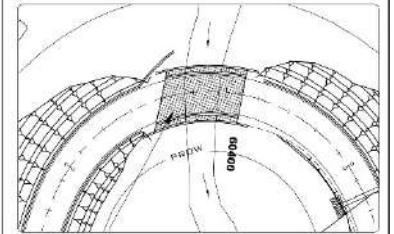
GAD OF BRIDGES

TO SHILLONG

SECTIONAL ELEVATION
SCALE 1:200PLAN AT TOP
SCALE 1:200

TO SHILLONG

TO DAWKI



KEY PLAN

MINOR BRIDGE	
EXISTING C/L	
PROP. CH.	60+392.500
SPAN	1x25.0

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
 2. THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION IS TO BE FOLLOWED.
 3. EXPOSURE : MODERATE
 4. SEISMIC ZONE : V
 5. THE DESIGN AND CONSTRUCTION SHALL CONFORMING TO THE FOLLOWING CODES.
- IRC-6-2014 (SEC II) : LOADS AND STRESSES
 - IRC-112-2011 : CODE OF PRACTICE FOR CONCRETE ROAD BRIDGE
 - IRC-78-2014 (SEC VI) : FOUNDATIONS AND SUBSTRUCTURES
 - IRC-83 (PART II)-2002 : STANDARD SPECIFICATION AND CODE OF PRACTICE FOR ROAD BRIDGE (SECTION IX BEARINGS)

CLEAR COVER TO REINFORCEMENT

PIER	75mm
PIER CAP	50mm
BEARING PEDESTAL	40mm
PSC "I" GIRDER	40mm
DECK SLAB	40mm
CRASH BARRIER	40mm
DIRT WALL	50mm
APPROACH SLAB	30mm

MATERIAL SPECIFICATIONS

THE GRADE OF CONCRETE FOR VARIOUS COMPONENTS OF THE PROJECT SHALL BE AS FOLLOWS:

PIER AND PIER CAP	: M35
BEARING PEDESTAL	: M40
PSC "I" GIRDER	: M40
LEAN CONCRETE (NORMAL MIX)	: M15
DECK SLAB	: M35
CRASH BARRIER	: M40
DIRT WALL	: M35
APPROACH SLAB	: M30

LEGEND

U/S : UP STREAM
D/S : DOWN STREAM

Rev.	Date	Description
R0	21.05.2019	FINAL DETAILED PROJECT REPORT
R1	24.06.2019	REVISED ALIGNMENT BETWEEN KM 2+348 TO KM 4+160 IN FOREST AREA
R1	03.06.2019	REVISED ALIGNMENT BETWEEN KM 7+000 TO KM 7+700 IN BOP & CHURCH AREA
R2	03.06.2019	REVISED ALIGNMENT FROM BETWEEN KM 5+400 TO KM 10+000 & KM 23+000 TO KM 54+400

AUTHORITY:	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
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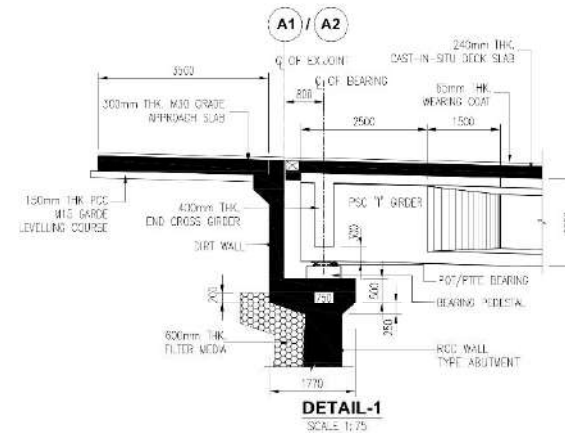
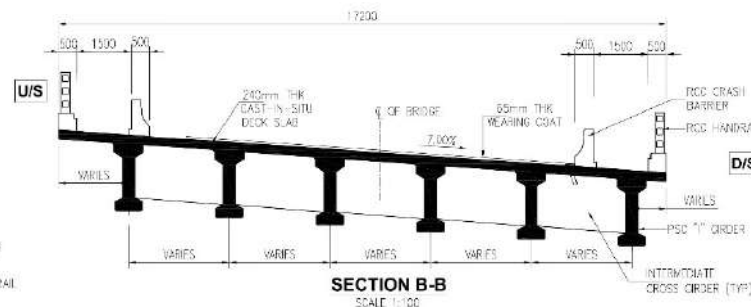
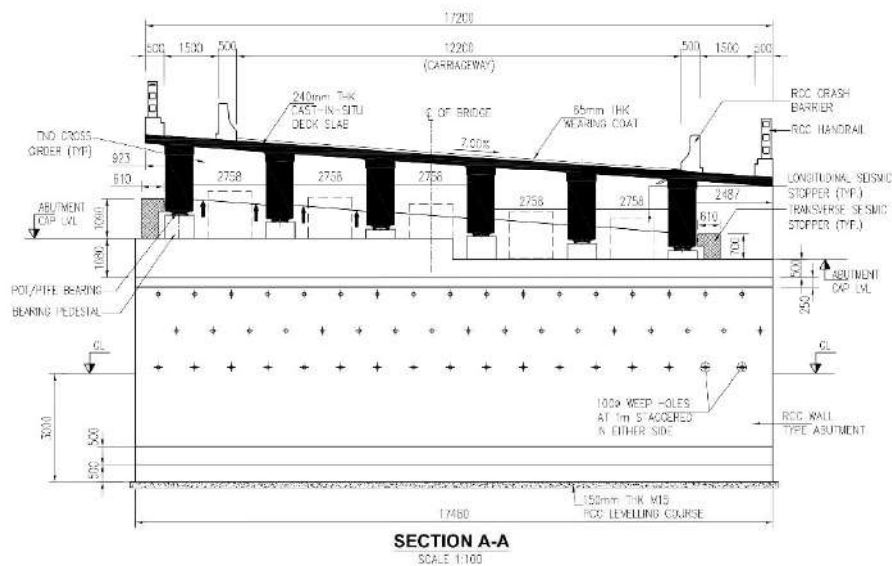
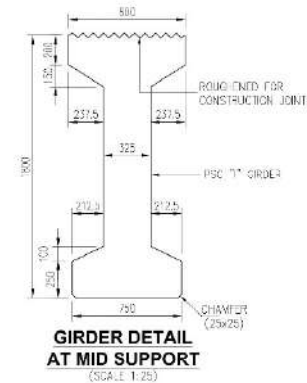
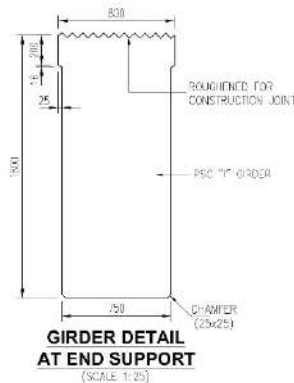
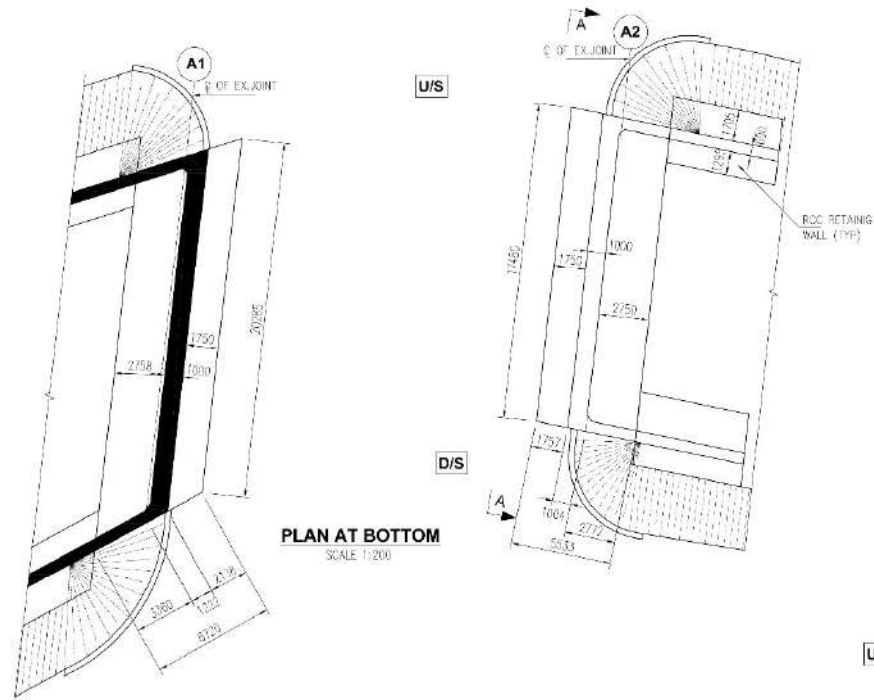
DESIGN CONSULTANTS:	Transsys Consulting Pvt. Ltd. (Mkt. Share Tower, Old OLP, Green, Complex, Sector 14, Gurgaon - 122001 - Tel: 0124-4206012, info@transsys.in, www.transsys.in)
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PROJECT:	Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanning of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA
-----------------	--

DRAWN:	YAGANTI
CHECKED:	CDPAL
APPROVED:	P.K. KUNDU

DATE:	21.09.2019
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TITLE:	GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE AT CH + 60+392.5
SCALE:	AS SHOWN AT AS SIZE
SHEET:	1 OF 3
REV:	R2
DWG. NO:	TRANSYS/139/S-D/ST/BR/60+392.5/01



NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
2. THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. EXPOSURE : MODERATE
4. SEISMIC ZONE : II
5. THE DESIGN AND CONSTRUCTION SHALL CONFORMING TO THE FOLLOWING CODES.
 - IRC-6-2014 (SEC II) : LOADS AND STRESSES
 - IRC-112-2011 : CODE OF PRACTICE FOR CONCRETE ROAD BRIDGE
 - IRC-78-2014 (SEC VI) : FOUNDATIONS AND SUBSTRUCTURES
 - IRC-83 (PART II)-2002 : STANDARD SPECIFICATION AND CODE OF PRACTICE FOR ROAD BRIDGE (SECTION IX BEARINGS)

CLEAR COVER TO REINFORCEMENT

PIER	75mm
PIER CAP	50mm
BEARING PEDESTAL	40mm
PSC "I" GIRDER	40mm
DECK SLAB	40mm
CRASH BARRIER	40mm
DIRT WALL	50mm
APPROACH SLAB	50mm

MATERIAL SPECIFICATIONS

THE GRADE OF CONCRETE FOR VARIOUS COMPONENTS OF THE PROJECT SHALL BE AS FOLLOWS:-	
PIER AND PIER CAP	M30
BEARING PEDESTAL	M40
PSC "I" GIRDER	M40
LEAN CONCRETE (NORMAL MIX)	M15
DECK SLAB	M30
CRASH BARRIER	M40
DIRT WALL	M30
APPROACH SLAB	M30

LEGEND

U/S : UP STREAM
D/S : DOWN STREAM

Rev.	Date	Description
R0	31.08.2019	FINAL DETAILED PROJECT REPORT
R1	24.04.2019	REVISED ALIGNMENT BETWEEN KM 2+348 TO KM 4+140 IN FOREST AREA
R1	30.06.2019	REVISED ALIGNMENT BETWEEN KM 7+000 TO KM 7+700 IN BOP & CHURCH AREA
R2	30.08.2019	REVISED ALIGNMENT FROM BETWEEN KM 5+400 TO KM 10+000 & KM 5+400 TO KM 5+400



National Highways & Infrastructure Development Corporation Ltd.
(Ministry of Road Transport & Highways)

DESIGN CONSULTANTS:

Transsys Consulting Pvt. Ltd.
M/44, Bana Tower, Old DLF, Gurgaon, Gurgaon
Sector 14, Gurgaon - 122001, Tel: 0124-6206012
info@transsys.in, www.transsys.in

PROJECT:

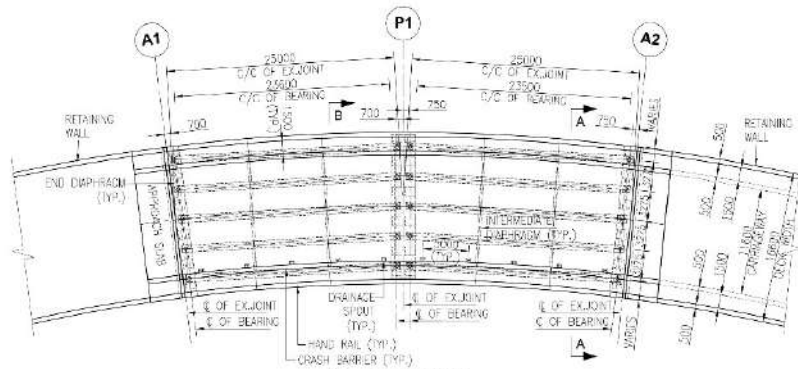
Shillong - Dawki Section of NH-40
Consultancy Services for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Paved Shoulder / 4 Lanes of NH-40 Between Shillong to Dawki Section Including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA

DRAWN BY:

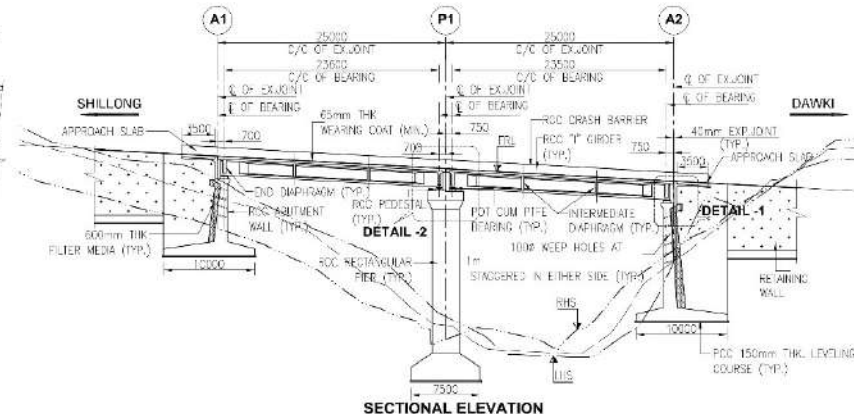
DRAWN BY: VAGARATI
CHECKED: G.P.A.L.
APPROVED: P.K. KUNDU

FINAL DETAILED PROJECT REPORT
DATE: Sep. 2019

GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE AT CH - 60+392.5
SCALE: AS SHOWN AT AS SIZE
SHEET: 2 OF 2
REV: R2

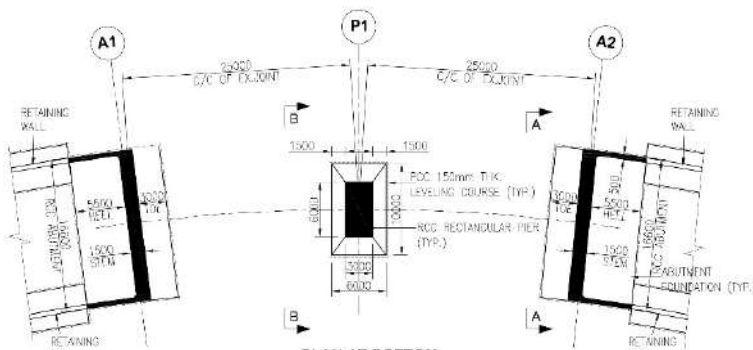


PLAN AT TOP
(SCALE 1:400)

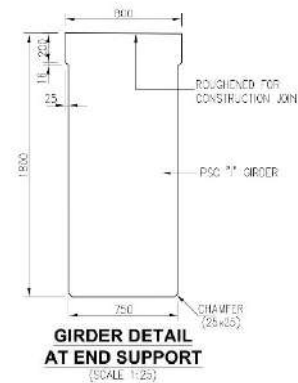


SECTIONAL ELEVATION
(SCALE 1:400)

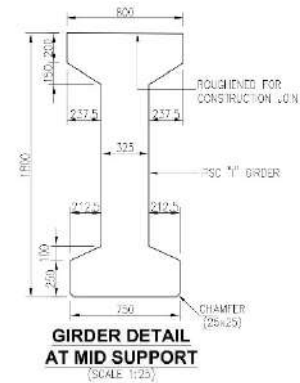
FORMATION LEVEL (m)	556.119	554.744	553.369
BCD LEVEL (m)	LHS 553.548 RHS 548.185	550.509 535.897	544.450 543.812
FOUNDATION LEVEL	545.000	533.000	540.000
CHAINAGE (Km)	80+800	80+825	80+850



PLAN AT BOTTOM
(SCALE 1:400)

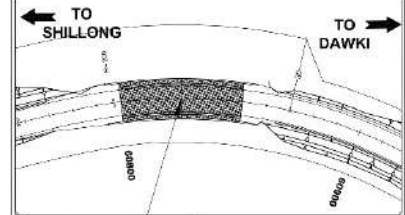


GIRDER DETAIL AT END SUPPORT
(SCALE 1:25)



GIRDER DETAIL AT MID SUPPORT
(SCALE 1:25)

KEY PLAN



MAJOR BRIDGE
CH. AS PER RCPA :
PROP. CH. : 60+825
SPAN : 2x25 m span

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
2. THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. EXPOSURE : MODERATE
4. SEISMIC ZONE : V
5. THE DESIGN AND CONSTRUCTION SHALL CONFORMING TO THE FOLLOWING CODES:
 - RCI-1998 (SEC. II) : GENERAL FEATURES OF DESIGN
 - RCI-2014 (SEC. II) : LOADS AND STRESSES
 - IRC-112-2011 : CODE OF PRACTICE FOR CONCRETE ROAD BRIDGE
 - IRC-28-2014 (SEC. VI) : FOUNDATIONS AND SUBSTRUCTURES
 - IRC-83 (PART II)-2002 : STANDARD SPECIFICATION AND CODE OF PRACTICE FOR ROAD BRIDGE (SECTION IX BEARINGS)

CLEAR COVER TO REINFORCEMENT

PIER	: 75mm
PIER CAP	: 50mm
WING WALL	: 75mm
BEARING PEDESTAL	: 40mm
PSC T-GIRDER	: 40mm
DECK SLAB	: 40mm
CRASH BARRIER	: 40mm
DIRT WALL	: 50mm
APPROACH SLAB	: 30mm

MATERIAL SPECIFICATIONS

THE GRADE OF CONCRETE FOR VARIOUS COMPONENTS OF THE PROJECT SHALL BE AS FOLLOWS:-

PIER AND PIER CAP	: M35
BEARING PEDESTAL	: M45
PSC T-GIRDER	: M40
LEAN CONCRETE (NORMAL MIX)	: M15
DECK SLAB	: M45
CRASH BARRIER	: M40
DIRT WALL	: M35
APPROACH SLAB	: M30
WING WALL	: M20

LEGEND

U/S : UP STREAM
D/S : DOWN STREAM

Rev.	Date	Description
R0	31.08.2019	FINAL DETAILED PROJECT REPORT
R1	26.04.2019	REVISED ALIGNMENT BETWEEN KM 72+348 TO KM 81+100 IN FOREST AREA
R1	30.06.2019	REVISED ALIGNMENT BETWEEN KM 79+000 TO KM 79+700 IN BOP & CHURCH AREA
R2	30.08.2019	REVISED ALIGNMENT FROM BETWEEN KM 54+000 TO KM 79+000 & KM 54+000 TO KM 54+400

AUTHORITY:	National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)
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DESIGN CONSULTANTS:	Transsys Consulting Pvt. Ltd. (Mkt. Share Tower, Old DLF Cyber Complex, Sector 14, Gurgaon - 122001, Tel: 0124-6200012, info@transsys.in, www.transsys.in)
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PROJECT:	Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lane with Power Shoulder / 4 Laning of NH-40 Between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Mode Under JICA
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DRAWN:	KARTHIK
DESIGNED:	CHETAN
CHECKED:	SOPAL
APPROVED:	P.K. KURBU

FINAL DETAILED PROJECT REPORT

DATE: Sep. 2019

TITLE: GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE AT CH. 60+825			
SCALE: AS SHOWN AT AS 2:2	SHEET: 1 OF 2	REV: R2	
Drawn By: TRANSSYS/139/S-D/ST/BR/60+825/01			

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE MENTIONED.
2. THIS DRAWING SHOULD NOT BE SCALED, ONLY WRITTEN DIMENSION TO BE FOLLOWED.
3. EXPOSURE : MODERATE
4. STRENGTH ZONE : V
5. THE DESIGN AND CONSTRUCTION SHALL CONFORMING TO THE FOLLOWING CODES :
 - IRC-5-1984 (SEC 1) : GENERAL FEATURES OF DESIGN
 - IRC-8-2014 (SEC 1) : SALES AND STRESSES
 - IRC-112-2011 : CODE OF PRACTICE FOR CONCRETE ROAD BRIDGE
 - IRC-78-2014 (SEC III) : FOUNDATIONS AND SUBSTRUCTURES
 - IRC-83 (PART III)-2002 : STANDARD SPECIFICATION AND CODE OF PRACTICE FOR ROAD BRIDGE (SECTION ON BEARINGS)

CLEAR COVER TO REINFORCEMENT

PIER :	75mm
P/FR CAP :	50mm
WING WALL :	75mm
BEARING PEDESTAL :	40mm
PSC "I" GIRDER :	40mm
DECK SLAB :	40mm
CRASH BARRIER :	40mm
DIRT WALL :	50mm
APPROACH SLAB :	30mm

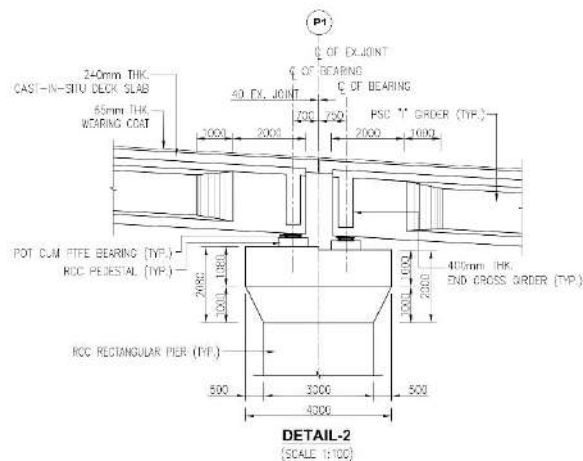
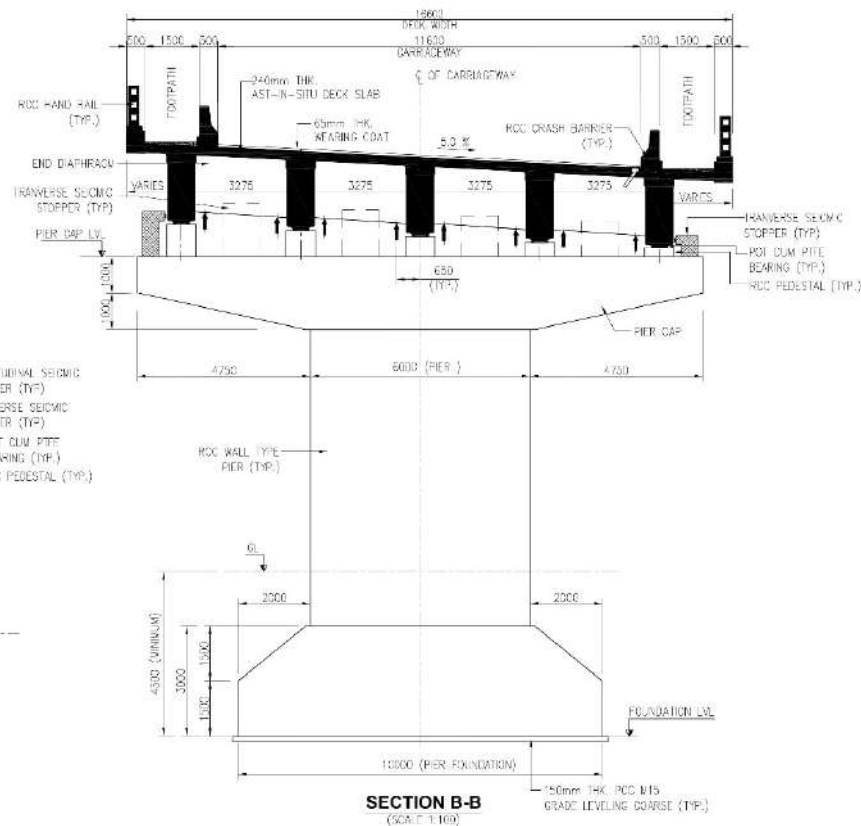
MATERIAL SPECIFICATIONS

THE GRADE OF CONCRETE FOR VARIOUS COMPONENTS OF THE PROJECT SHALL BE AS FOLLOWS:-

PIER AND P/FR CAP :	M35
BEARING PEDESTAL :	M45
PSC "I" GIRDER :	M40
LEAN CONCRETE (NORMAL MIX) :	M15
DECK SLAB :	M45
CRASH BARRIER :	M40
DIRT WALL :	M35
APPROACH SLAB :	M30
WING WALL :	M20

LEGEND

U/S : UP STREAM
D/S : DOWN STREAM



Rev.		Date	Description	Authority	Design Consultants	Project	Drawn	KARTHICK	FINAL DETAILED PROJECT REPORT TITLE: GENERAL ARRANGEMENT DRAWING OF MINOR BRIDGE AT CH- 60+825 SCALE: AS SHOWN AT A2 & D2 SHEET: 5 OF 5 DATE: SEP. 2019 Drawn By: TRANSYS/139/S-D/ST.BR.60+825/01
R2	17.08.2019		FINAL DETAILED PROJECT REPORT	 National Highways & Infrastructure Development Corporation Ltd. (Ministry of Road Transport & Highways)	 Transys Consulting Pvt. Ltd. 19/A1, Stone Island, C/O:DLF Complex, Sector 14, Gurgaon, 122 001, Tel: 0124 4250612 www.transys.in	Shillong - Dawki Section of NH-40 Consultancy Service for Preparation of Feasibility Study and Detailed Project Report for Improvement to 2 Lanes with Pavement Shoulder & Lining of NH-40 between Shillong to Dawki Section including Dawki Bridge in Meghalaya for Execution on EPC Model Under JICA	DRAWN	KARTHICK	
R1	24.04.2019	REVISID ALIGNMENT BETWEEN KM 2+340 TO KM 3+160 IN TOP & FORTH AREA					DESIGNED	CHITAN	
R1	04.06.2019	REVISID ALIGNMENT BETWEEN KM 7+050 TO KM 7+70 IN JOP & CURCH AREA					CHECKED	EGAL	
R2	04.06.2019	REVISID ALIGNMENT BNDY BETWEEN KM 6+910 TO KM 7+040 & KM 6+910 TO KM 6+400					APPROVED	P.K. KUNDU	