

CABLE ROUTE PLAN OF 4/6 QUAD + 24 Fibre OFC CABLE FROM KTHU – SVDK SECTION

- | | |
|--------------------------|---------|
| 1. No. of Block section: | 15 Nos |
| 2. Total Route Km : | 154 RKm |

NORTHERN RAILWAYS

CABLE ROUTE PLAN

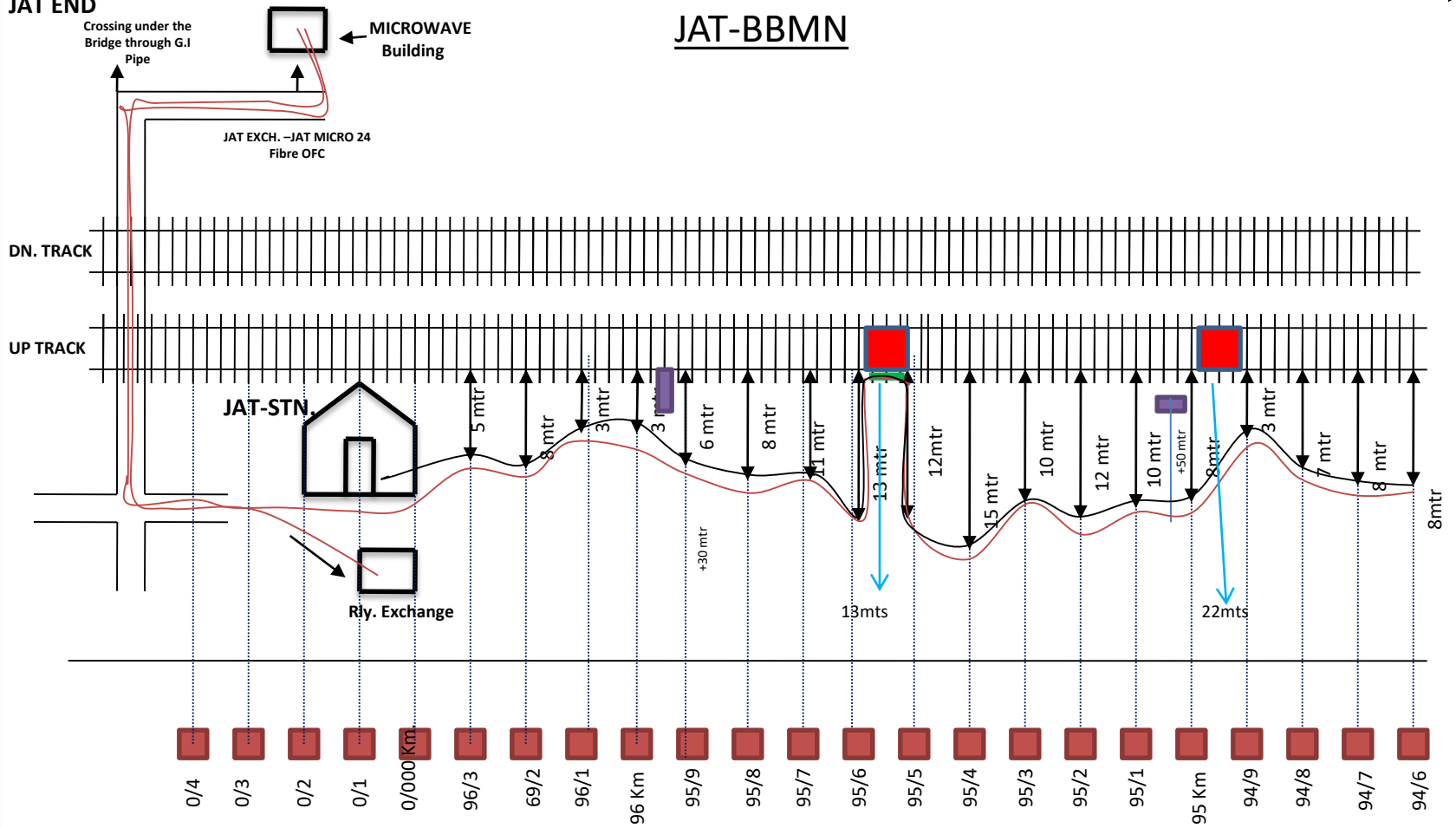
For Under Ground 6 Quad & OFC

JAT-KTHU

JAT END

BBMN END →

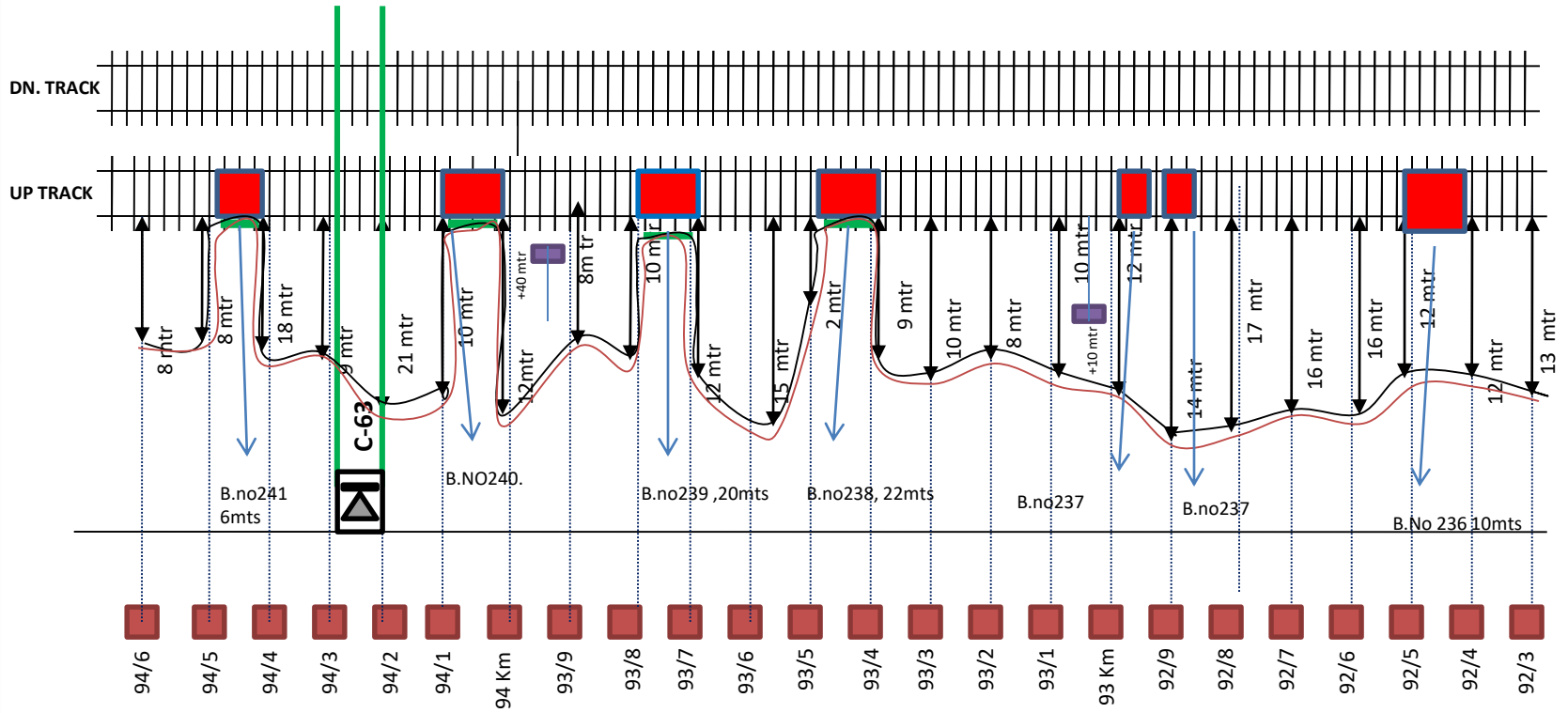
JAT-BBMN



JAT END

BMN END →

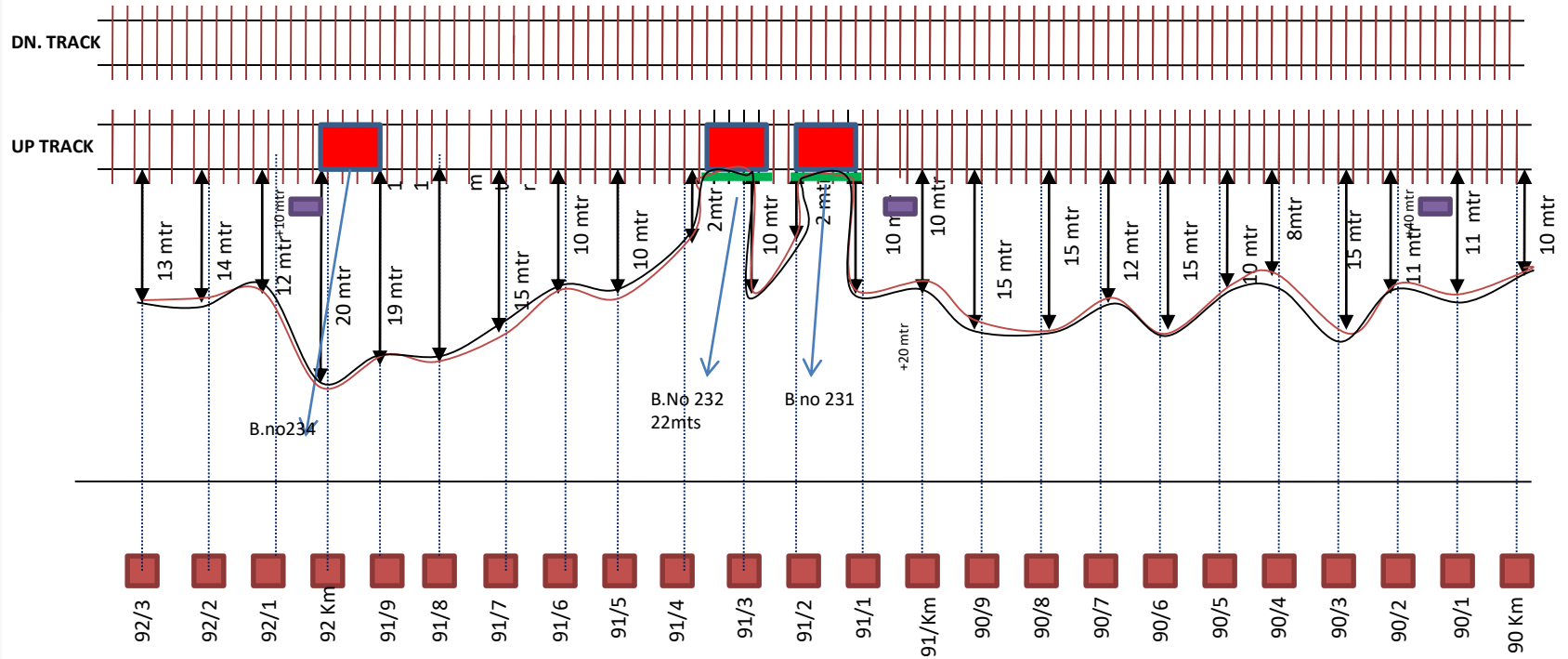
JAT-BBMN



JAT END

BBMN END →

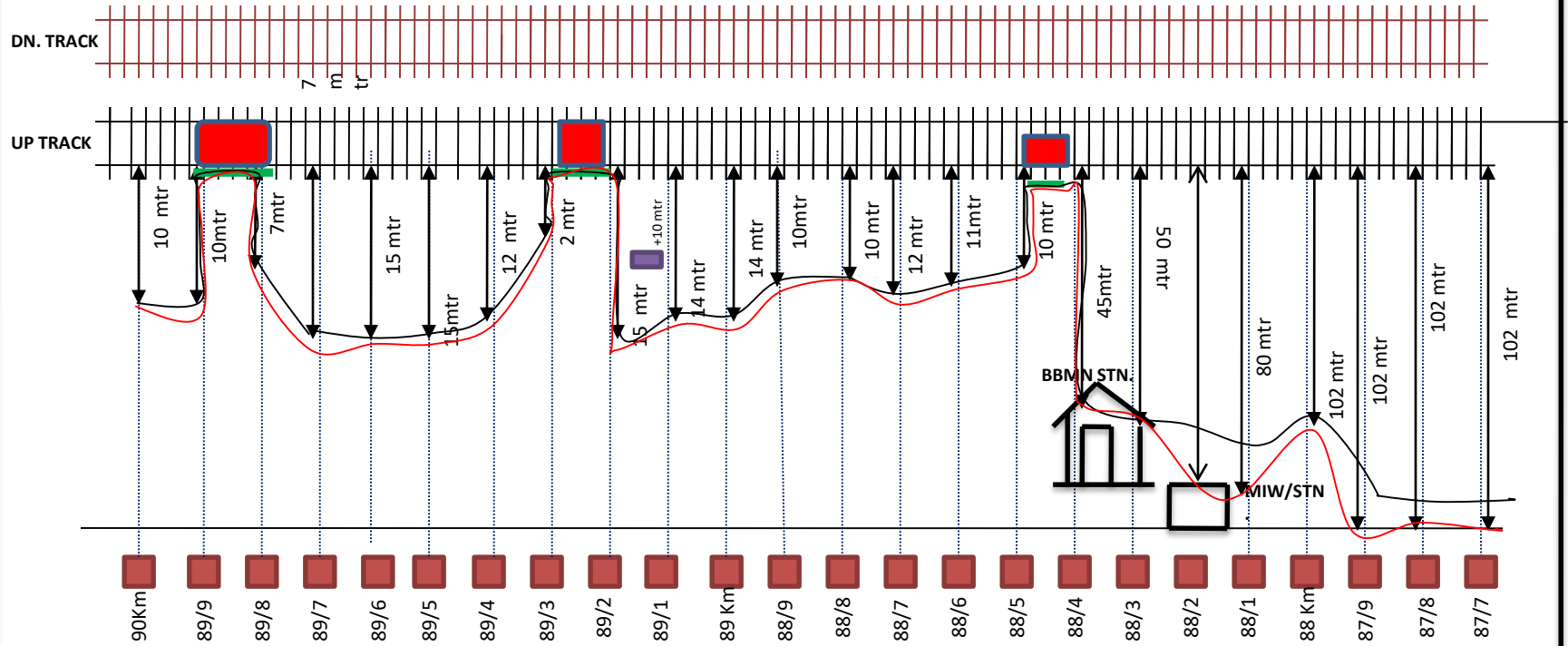
JAT-BBMN



JAT END

JAT-BBMN

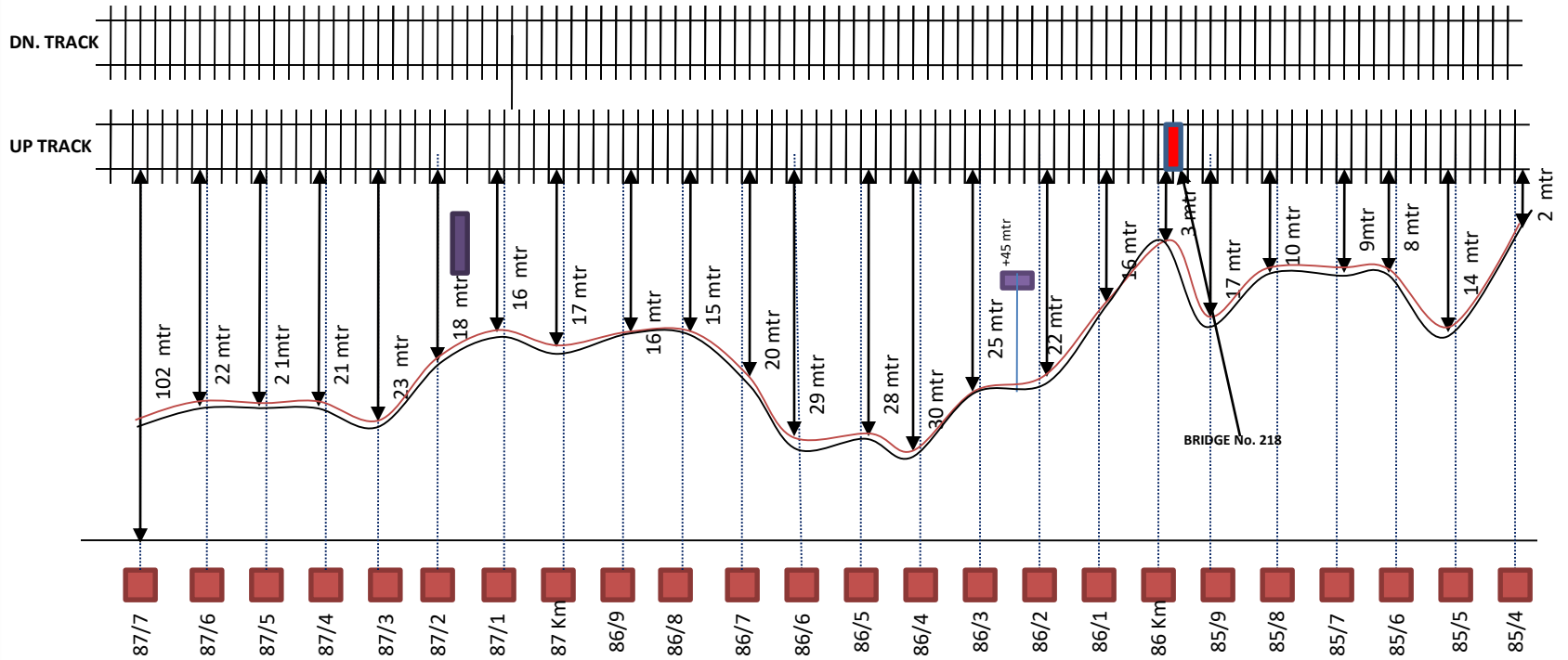
BBMN END →



BBMN END

VJPJ END →

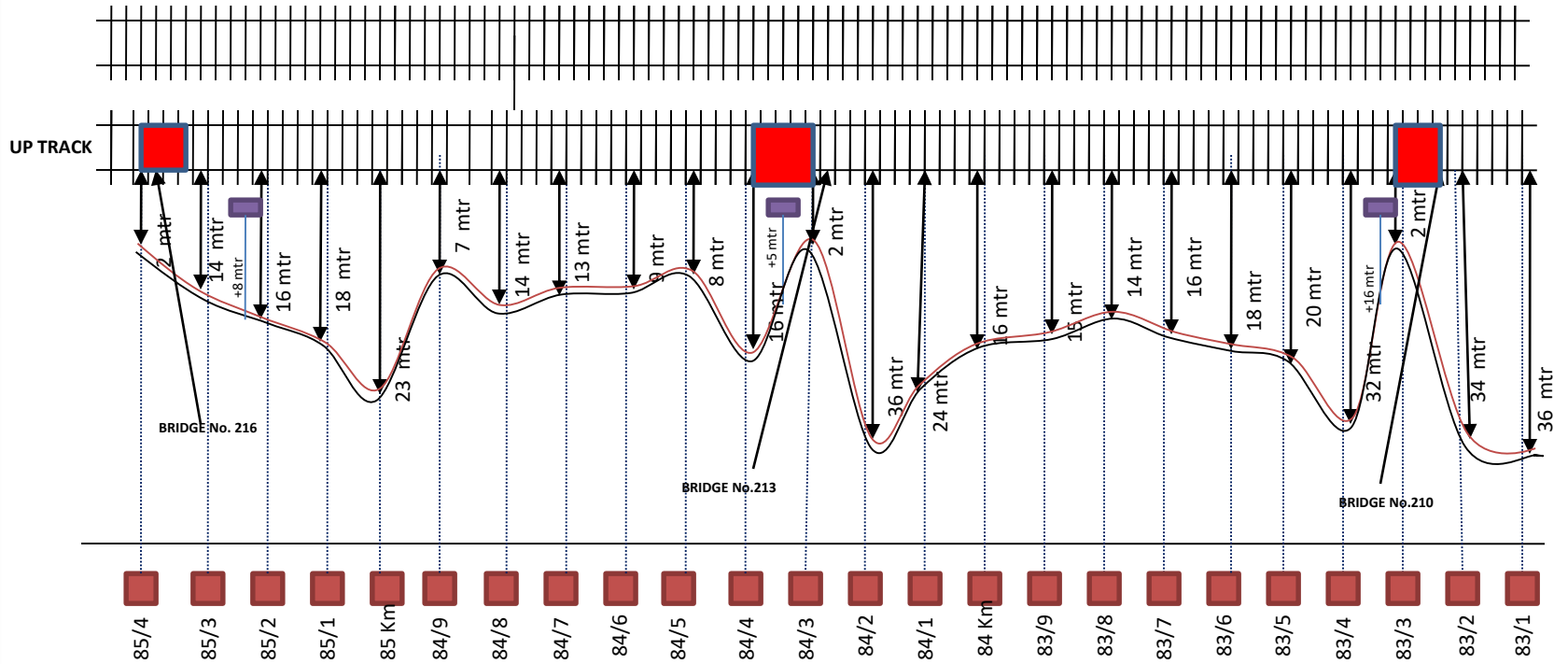
BBMN-VJPJ



BBMN END

BBMN-VJPJ

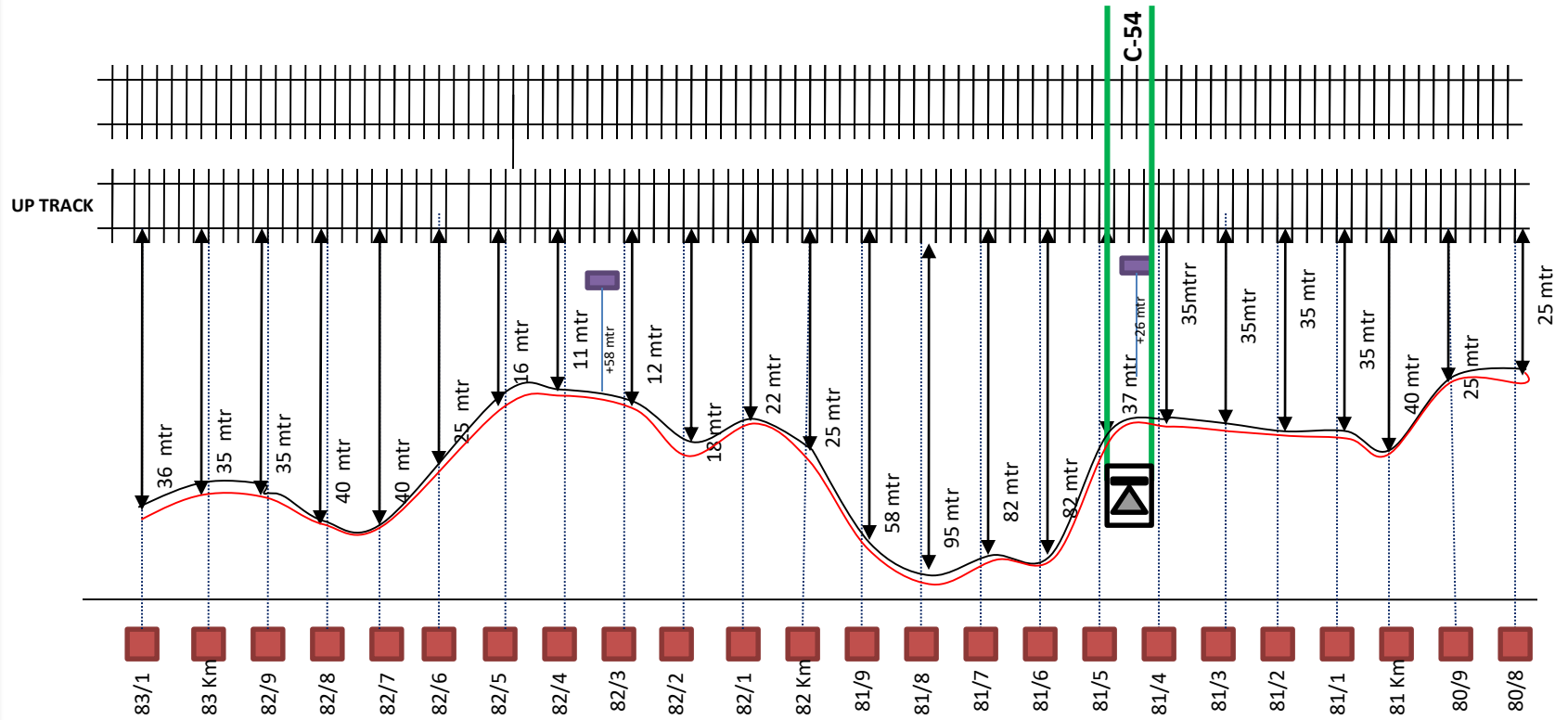
VJPJ END →



JBBMN END

BBMN-VJPJ

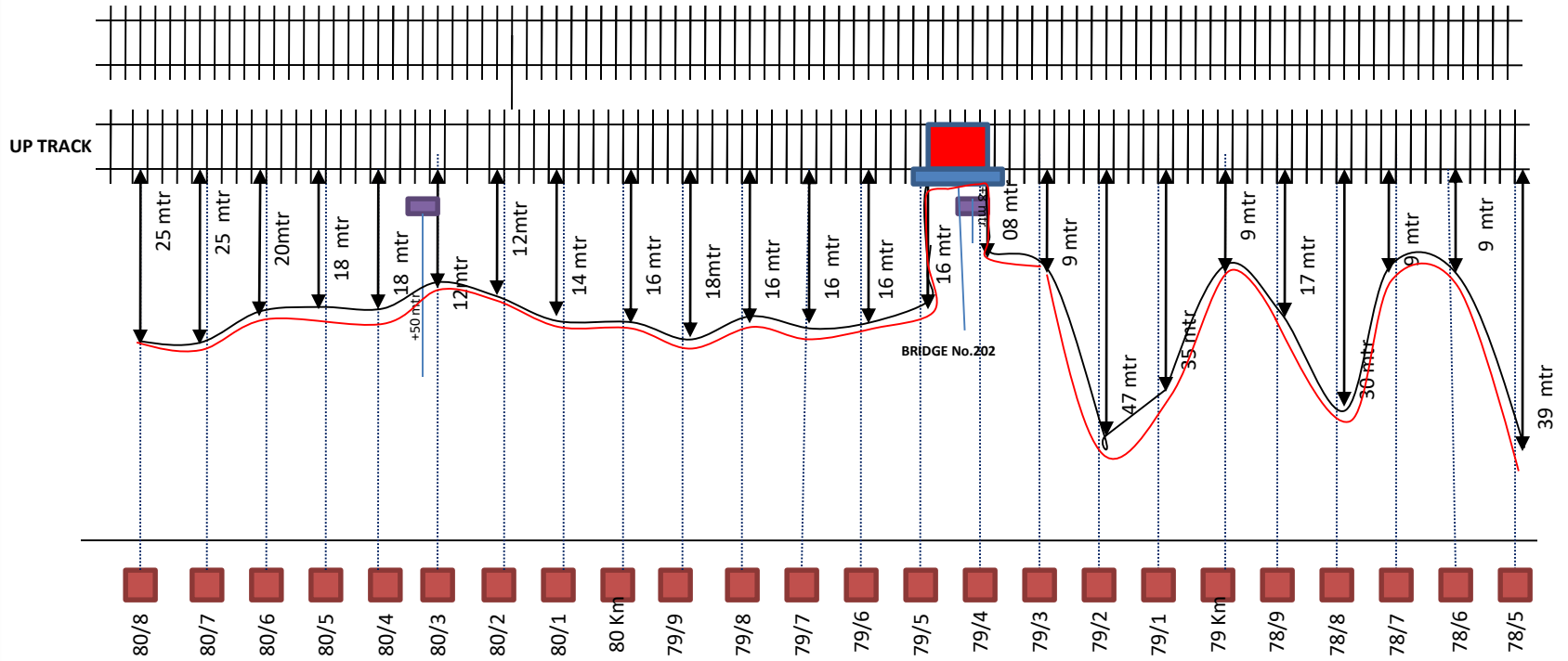
VJPJ END →



BBMN END

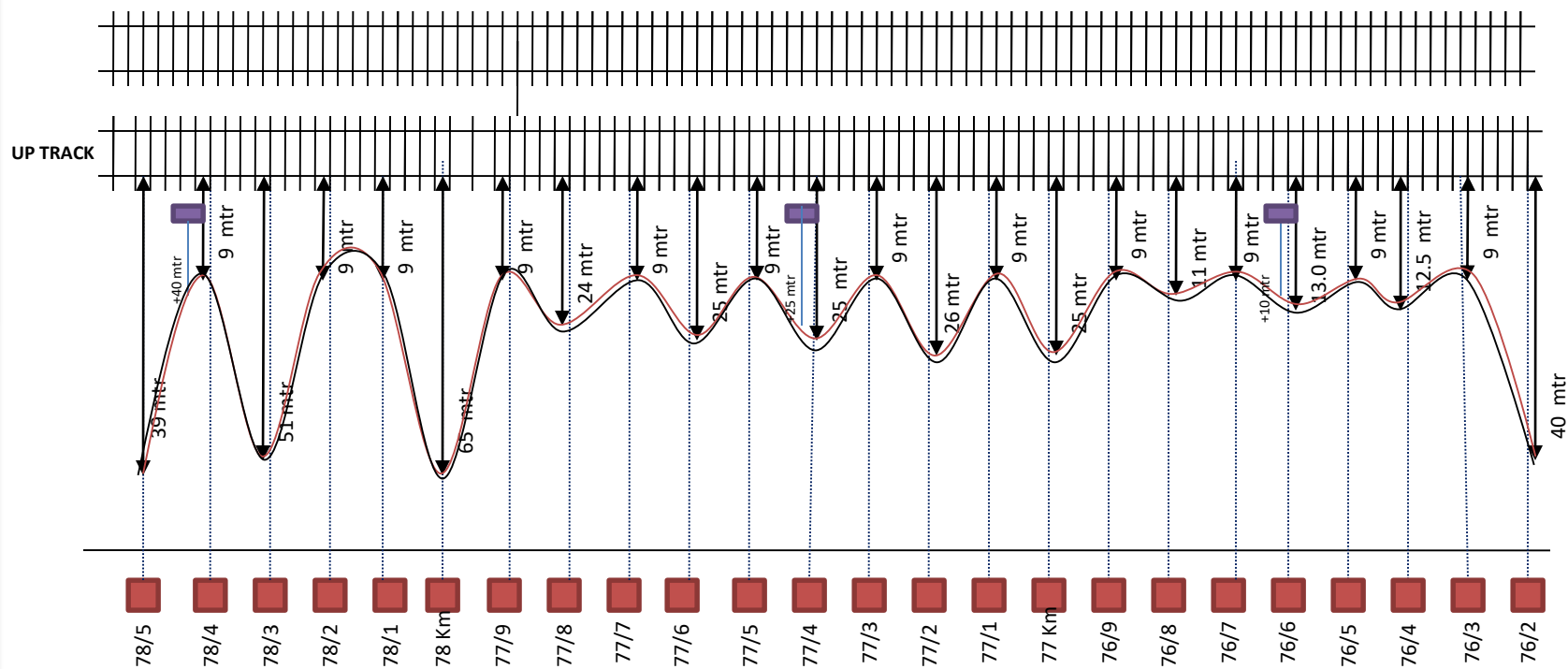
VJPJ END →

BBMN-VJPJ



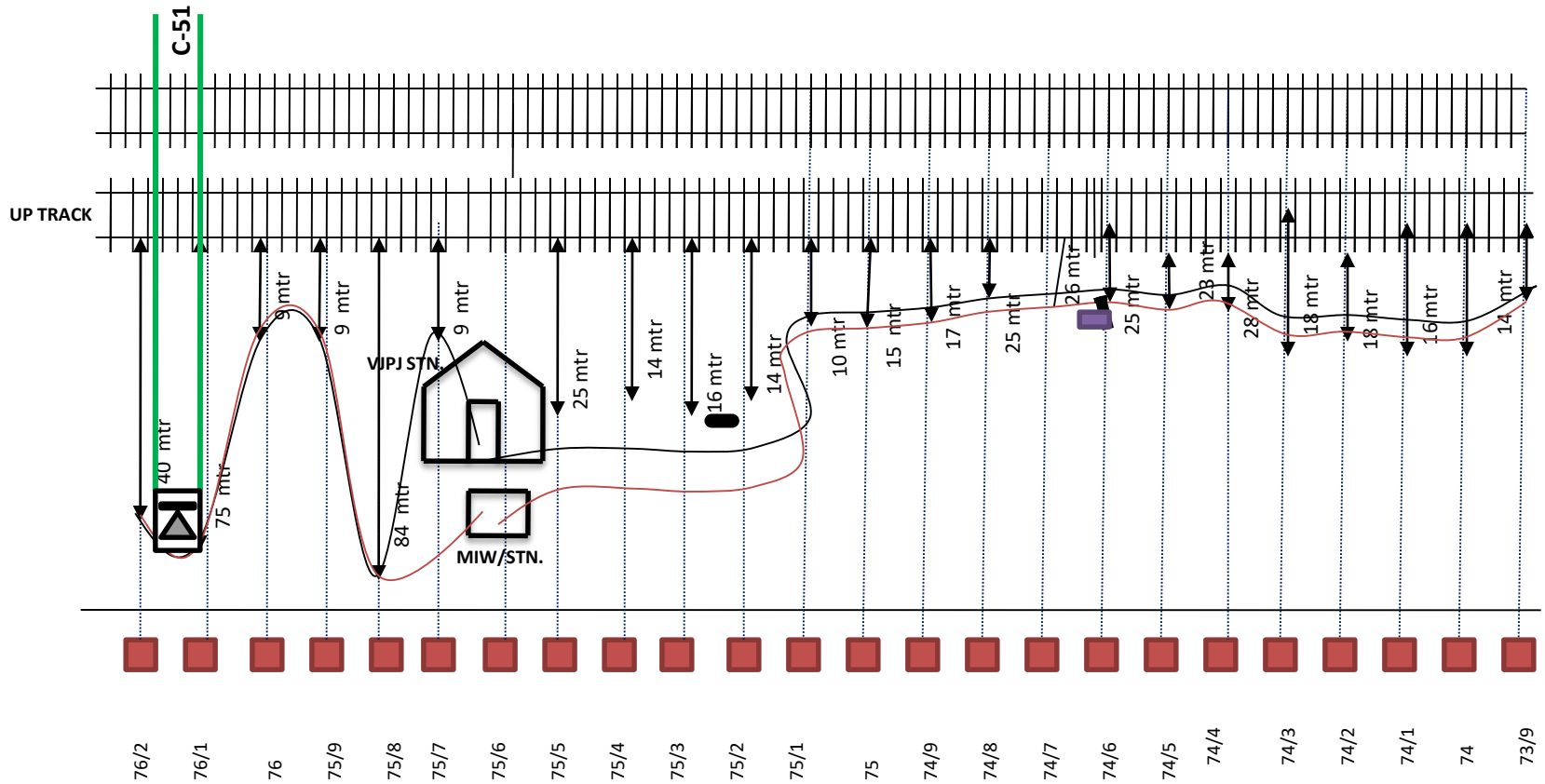
BBMN END

VJPJ END →

BBMN-VJPJ

BBMN-VJPJ

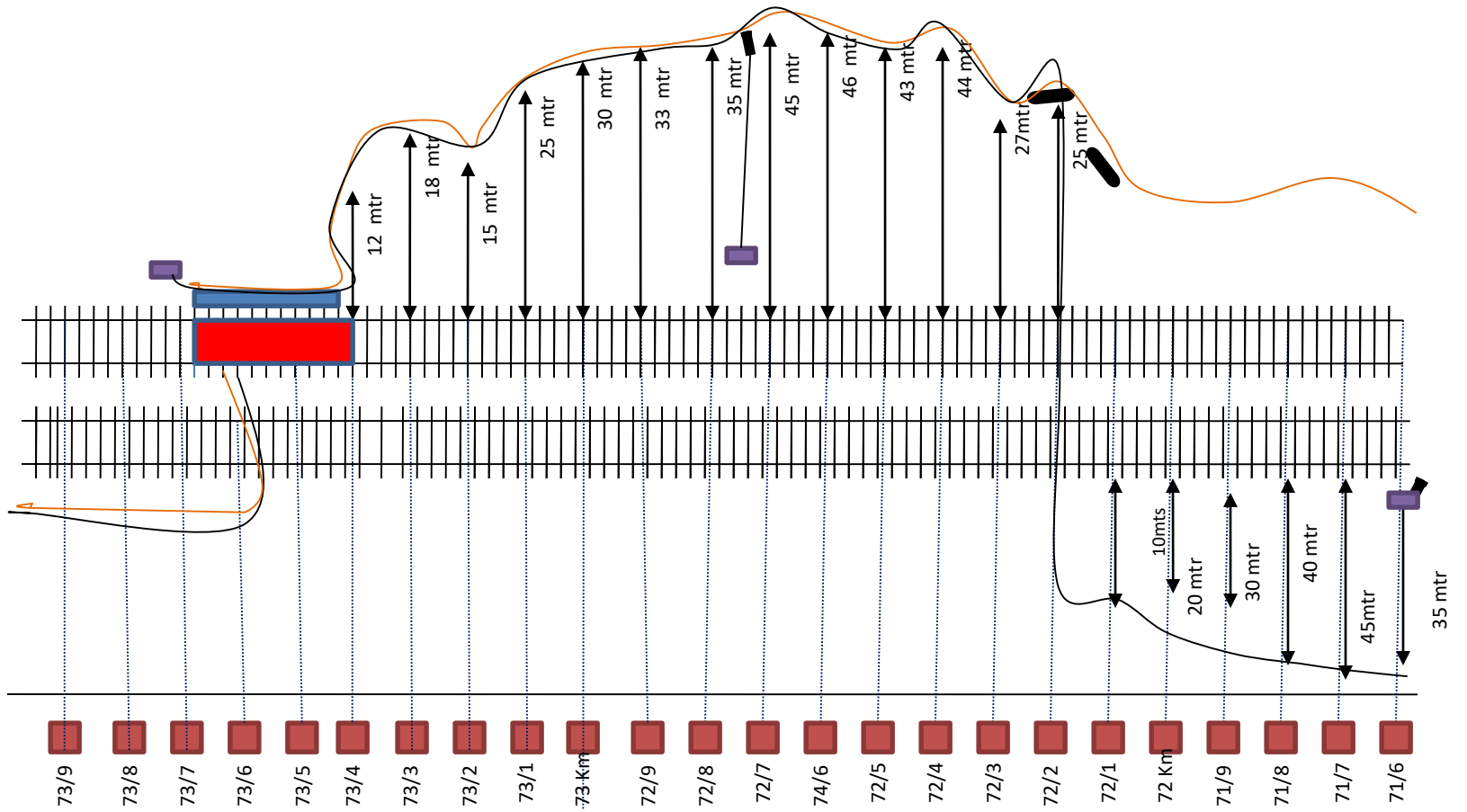
72



← VJPJ END

BTBH END →

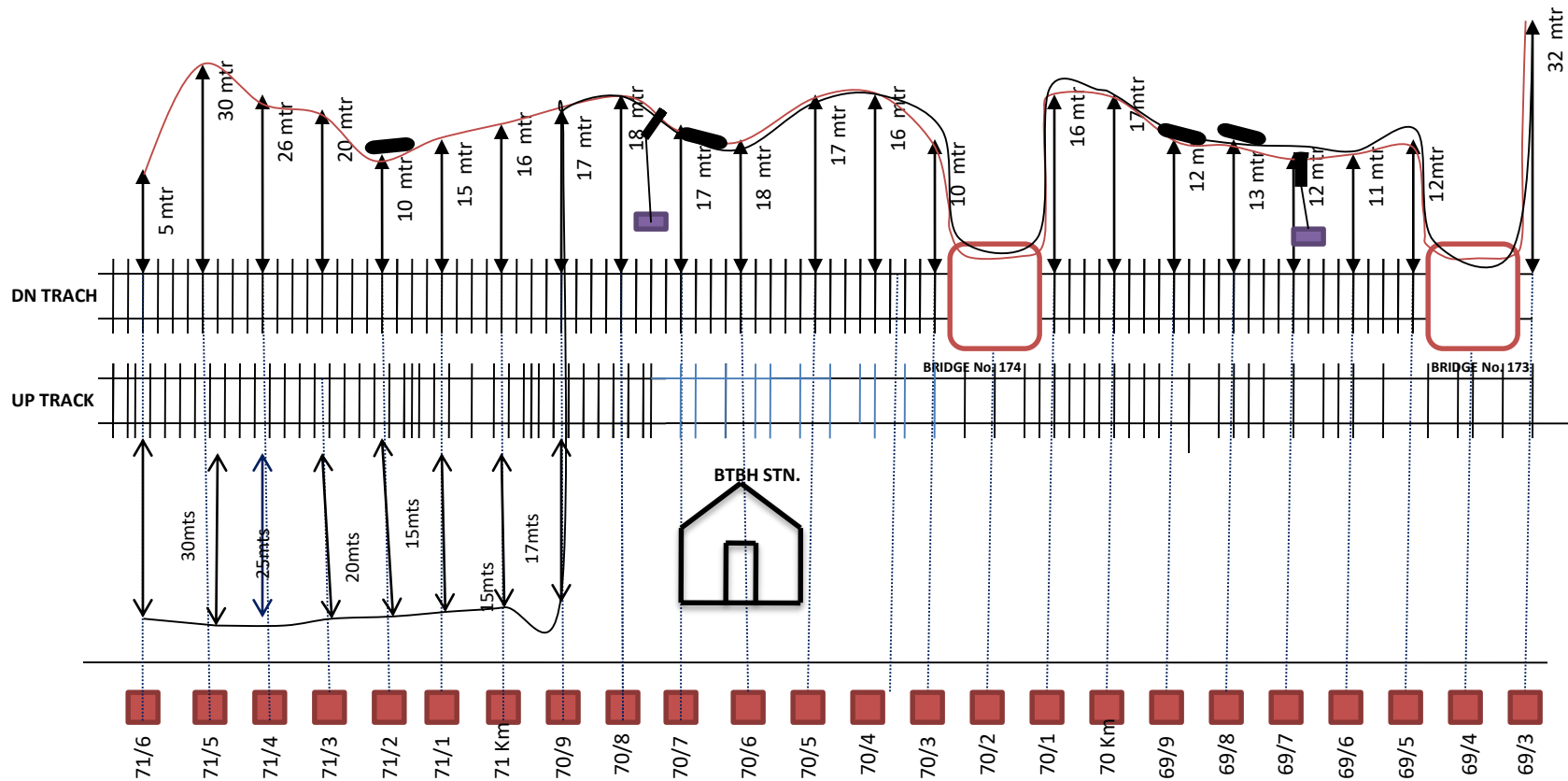
VJPJ-SMBX



← VJPJ END

SMBX END →

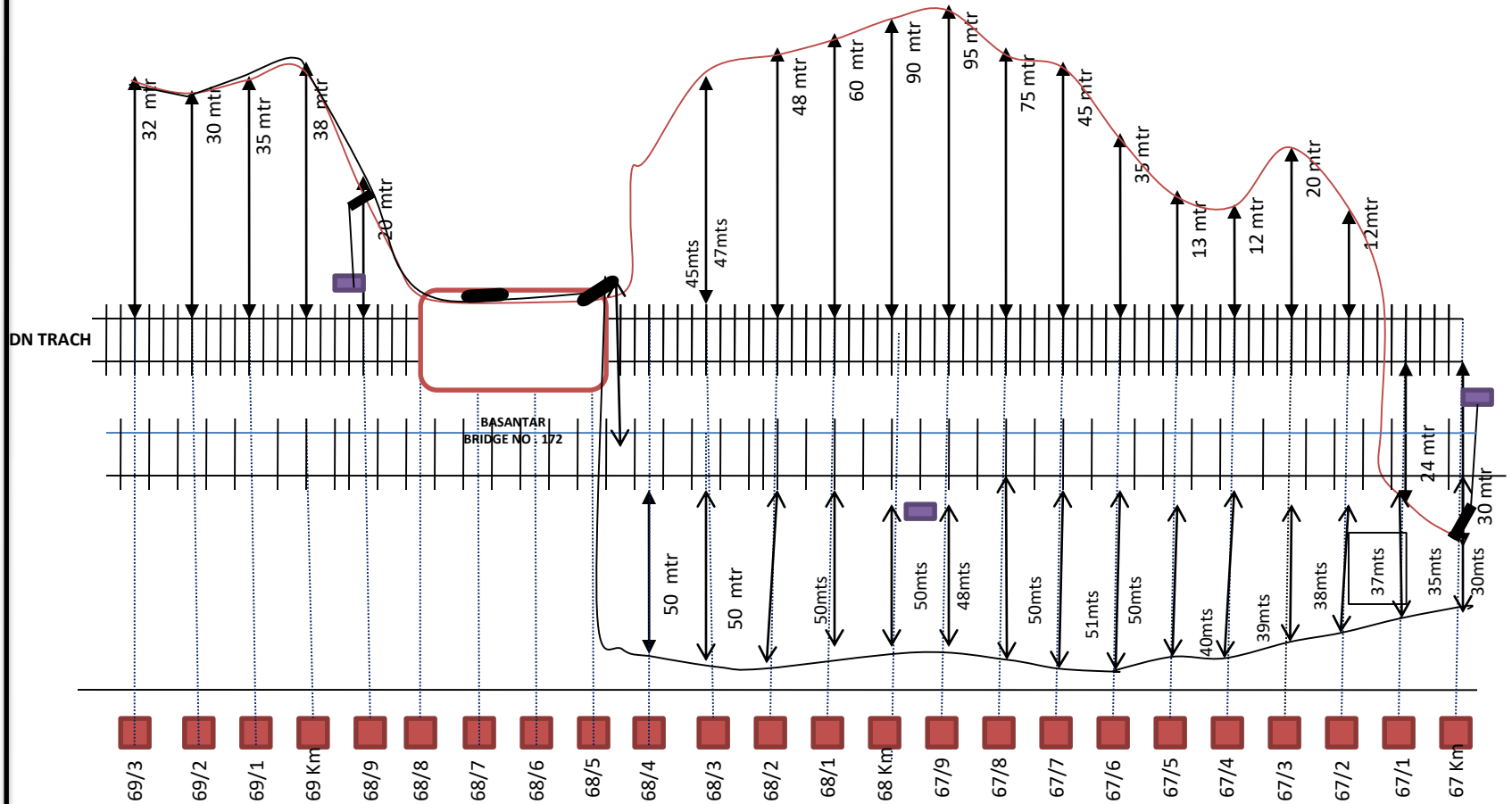
VJPJ-SMBX



← VJPJ END

SMBX END →

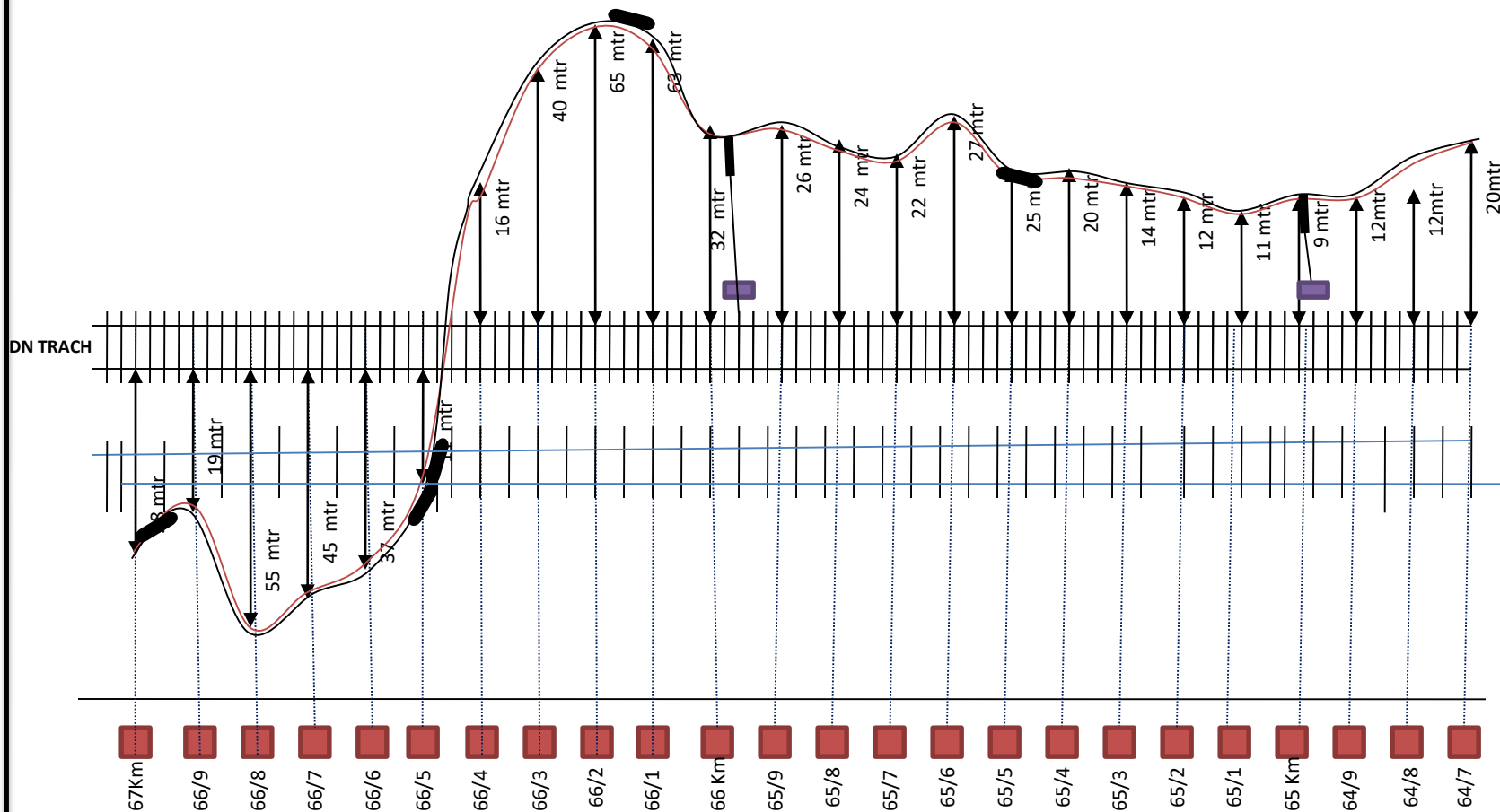
VJPJ-SMBX



← VJPJ END

SMBX END →

VJPJ-SMBX

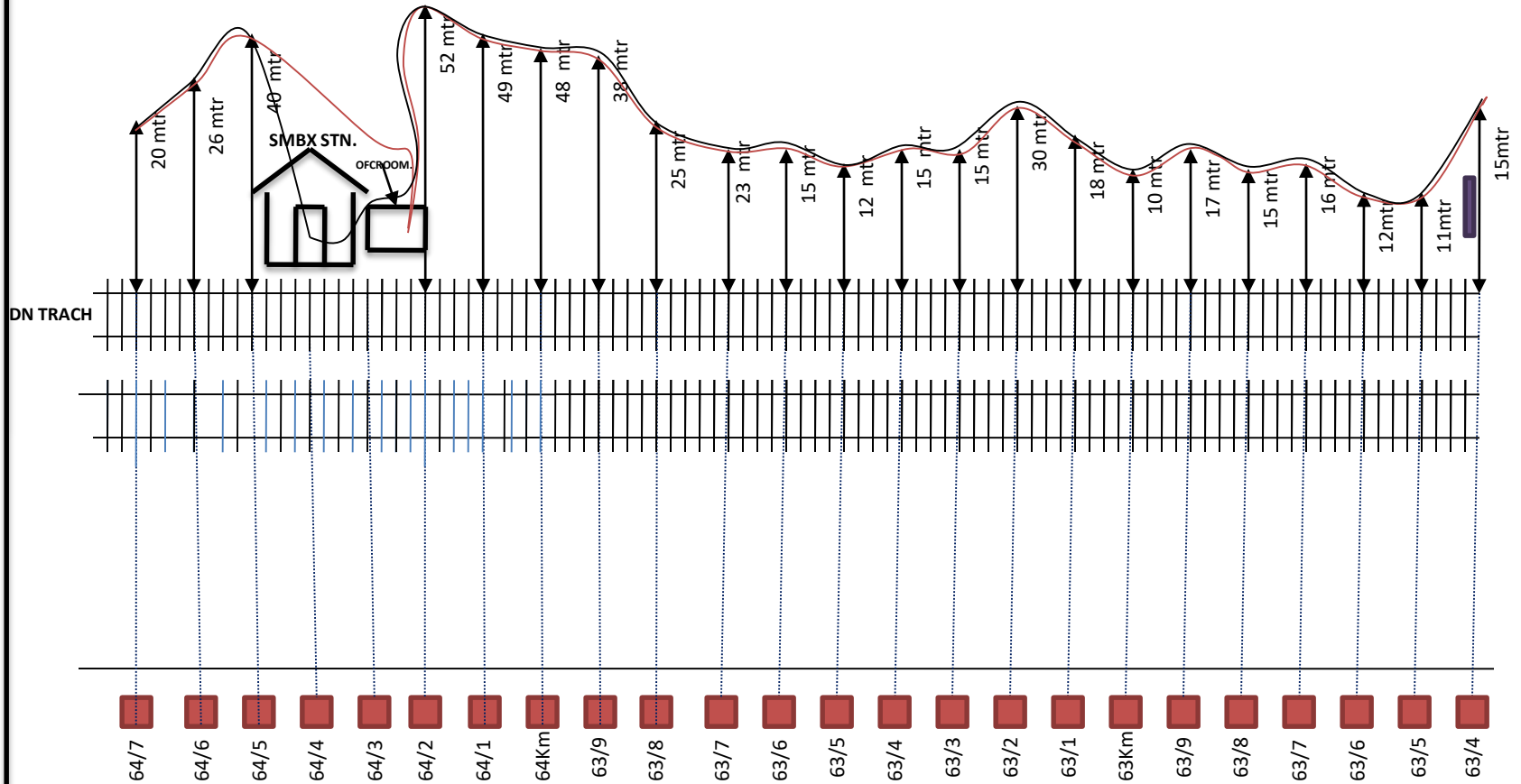


← VJPJ END

SMBX END →

VJPJ-SMBX

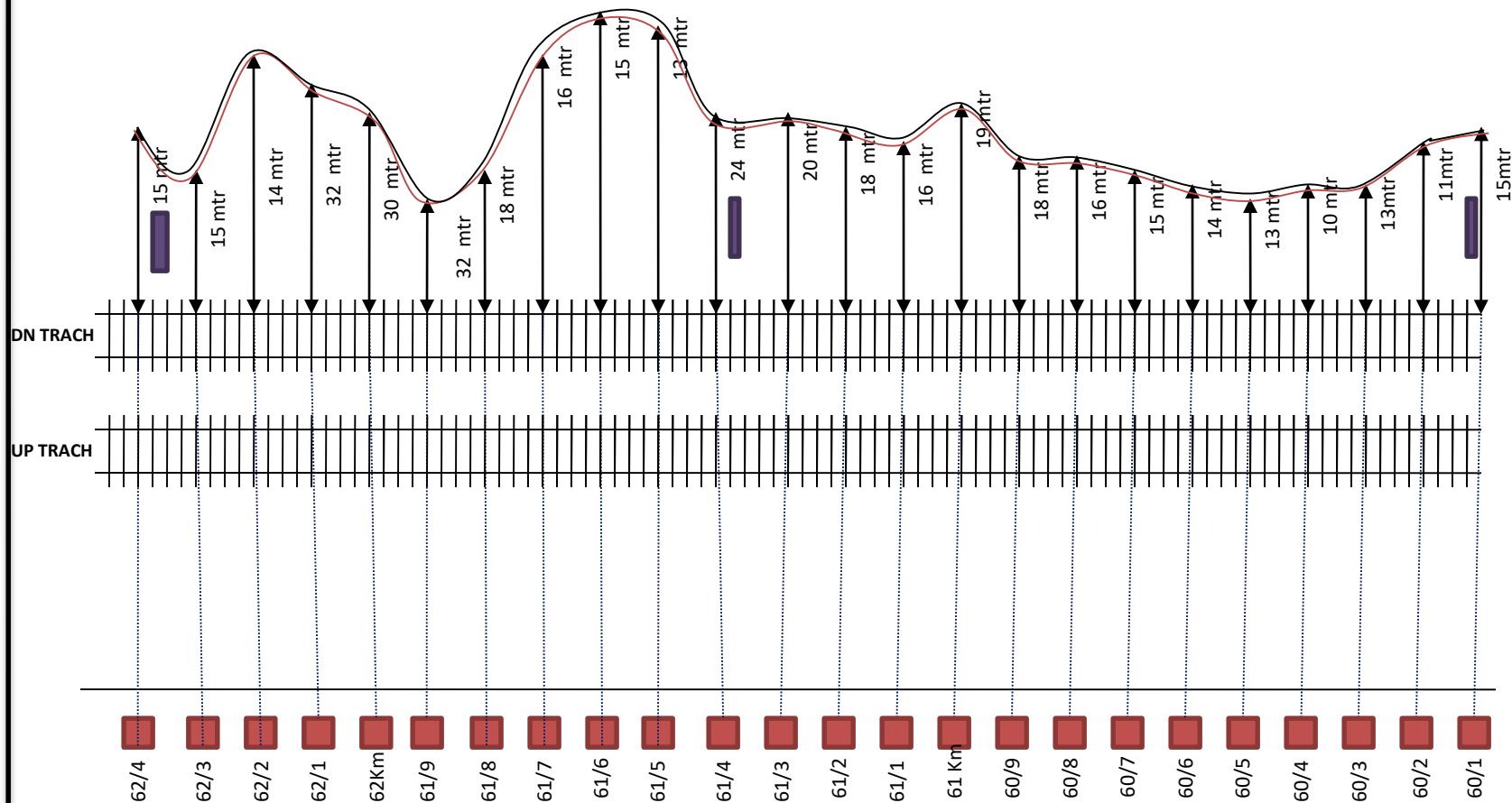
SMBX-GHGL



← SMBX END

VJPI END →

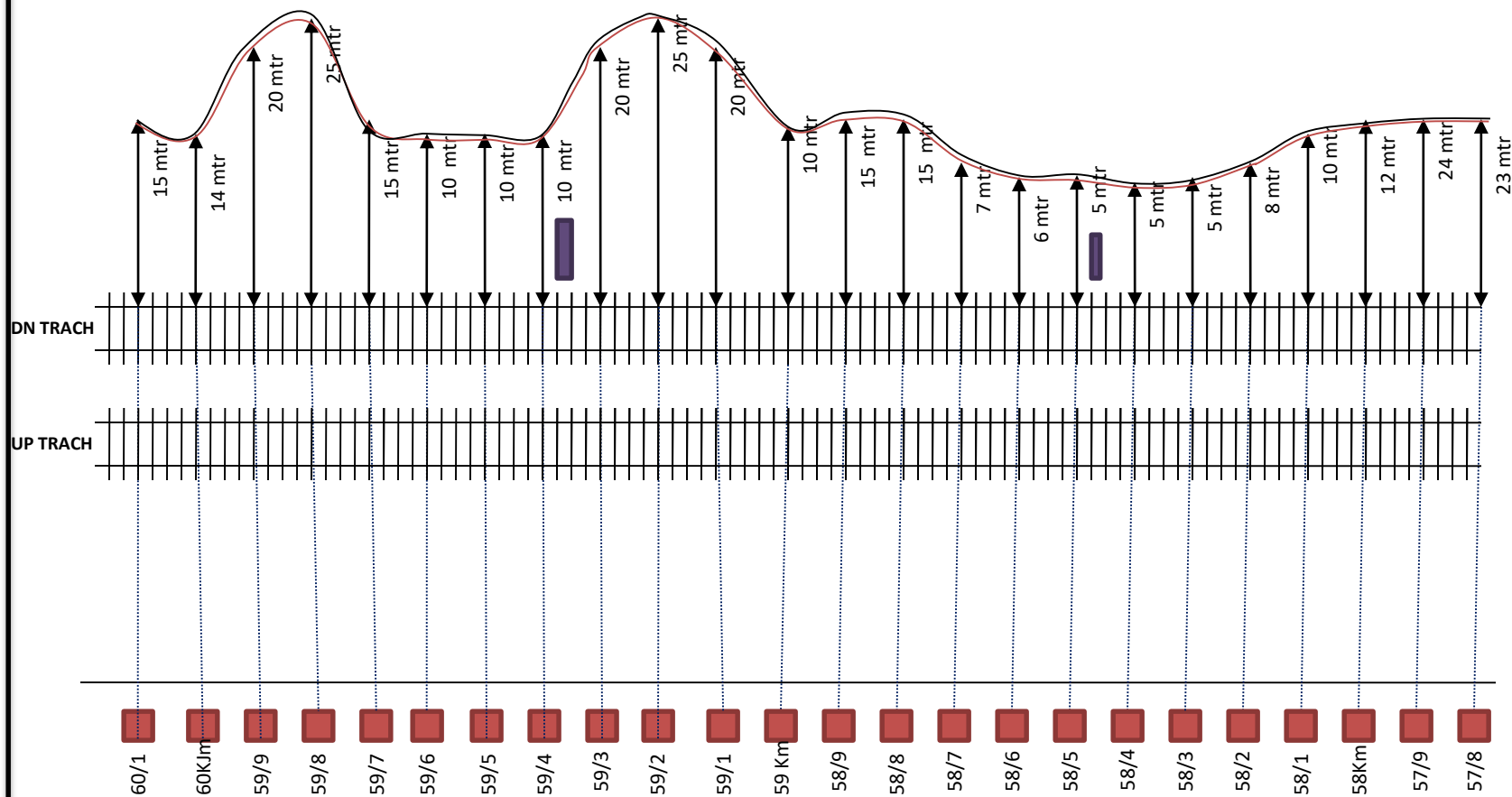
SMBX- GHGL



← SMBX END

GHGL END →

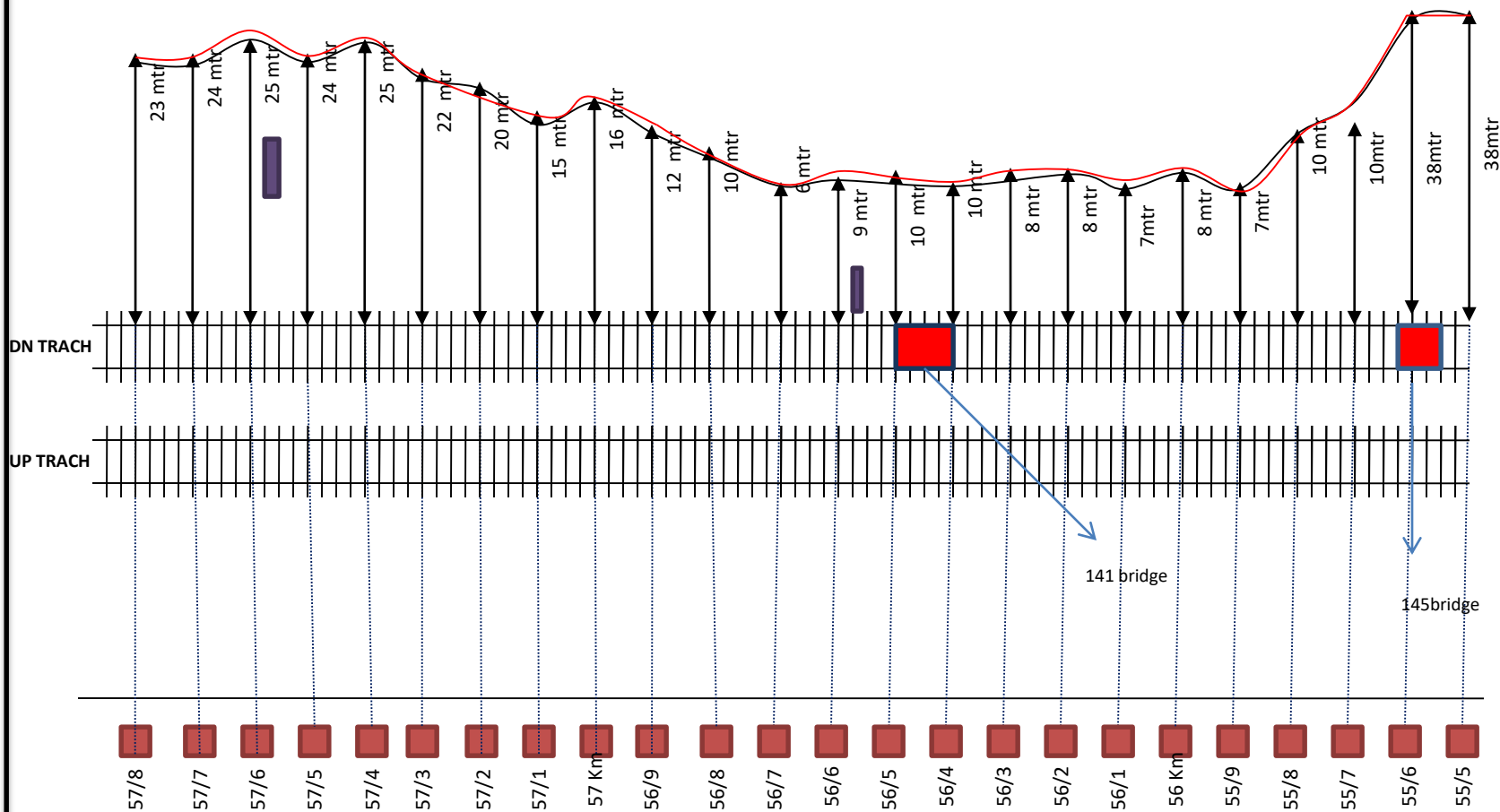
SMBX-GHGL



← SMBX END

SMBX-GHGL

GHGL END →

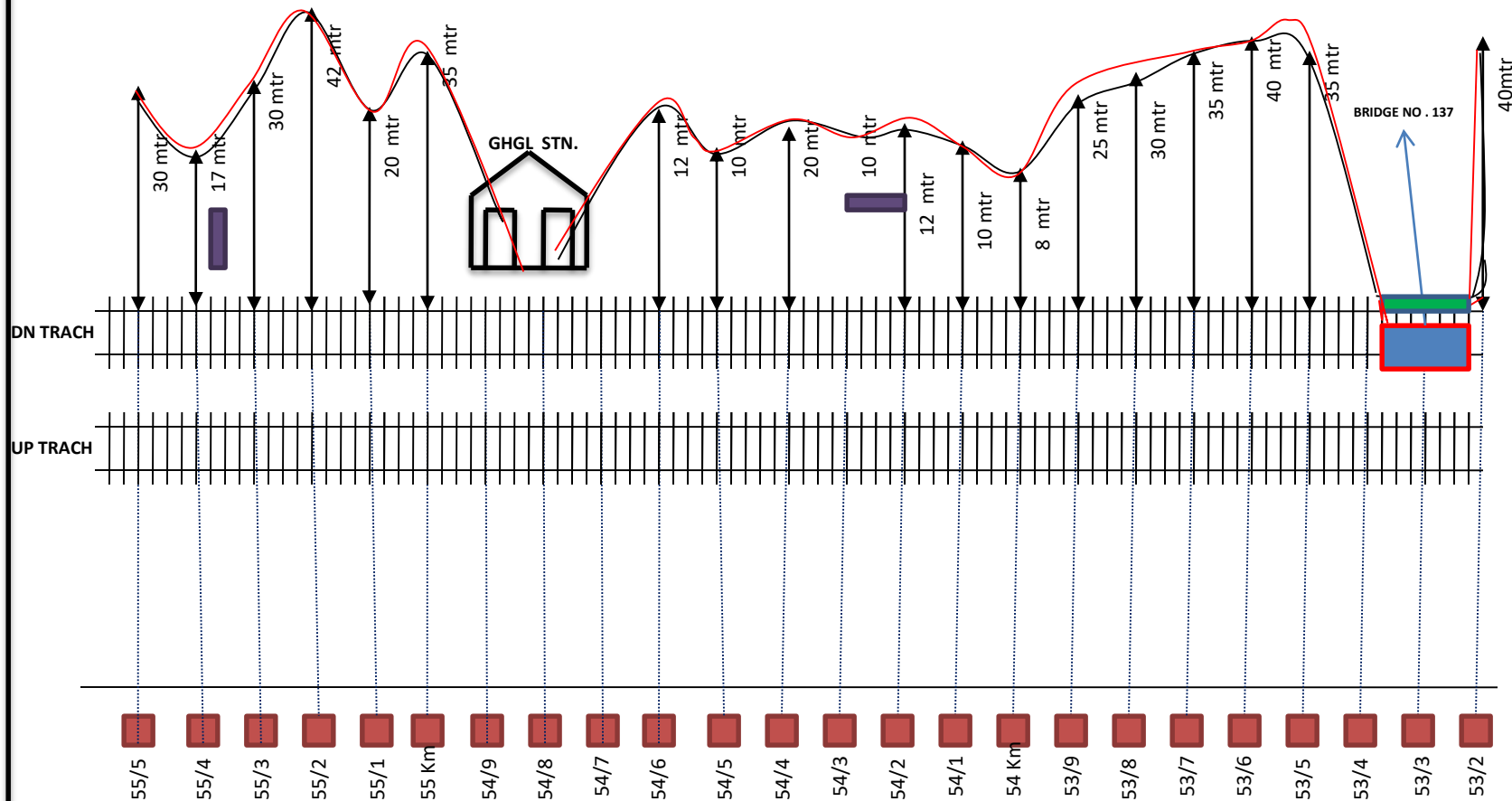


← SMBX END

HRNR END →

SMBX-GHGL

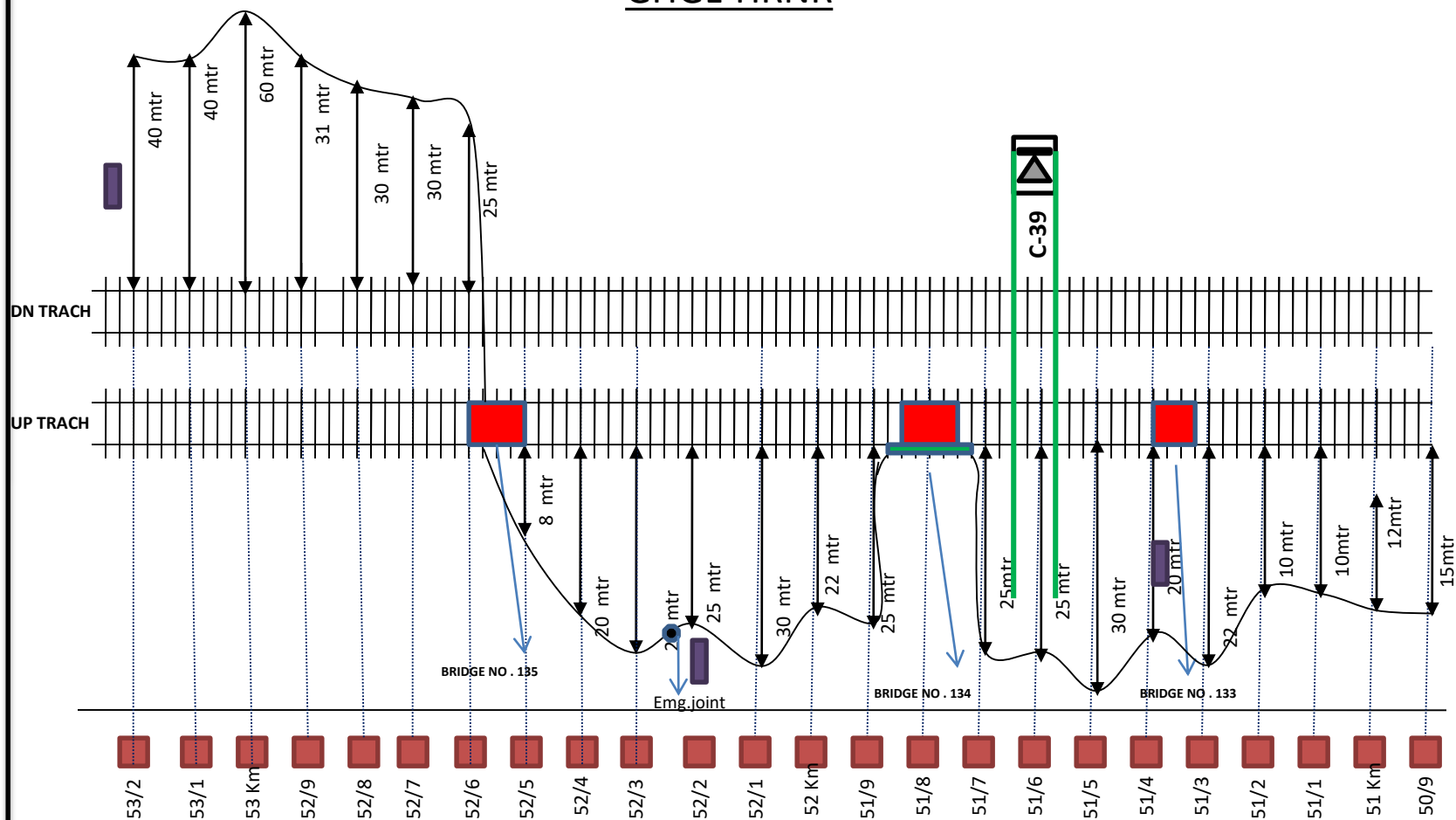
GHGL-HRNR



← GHGL END

GHGL-HRNR

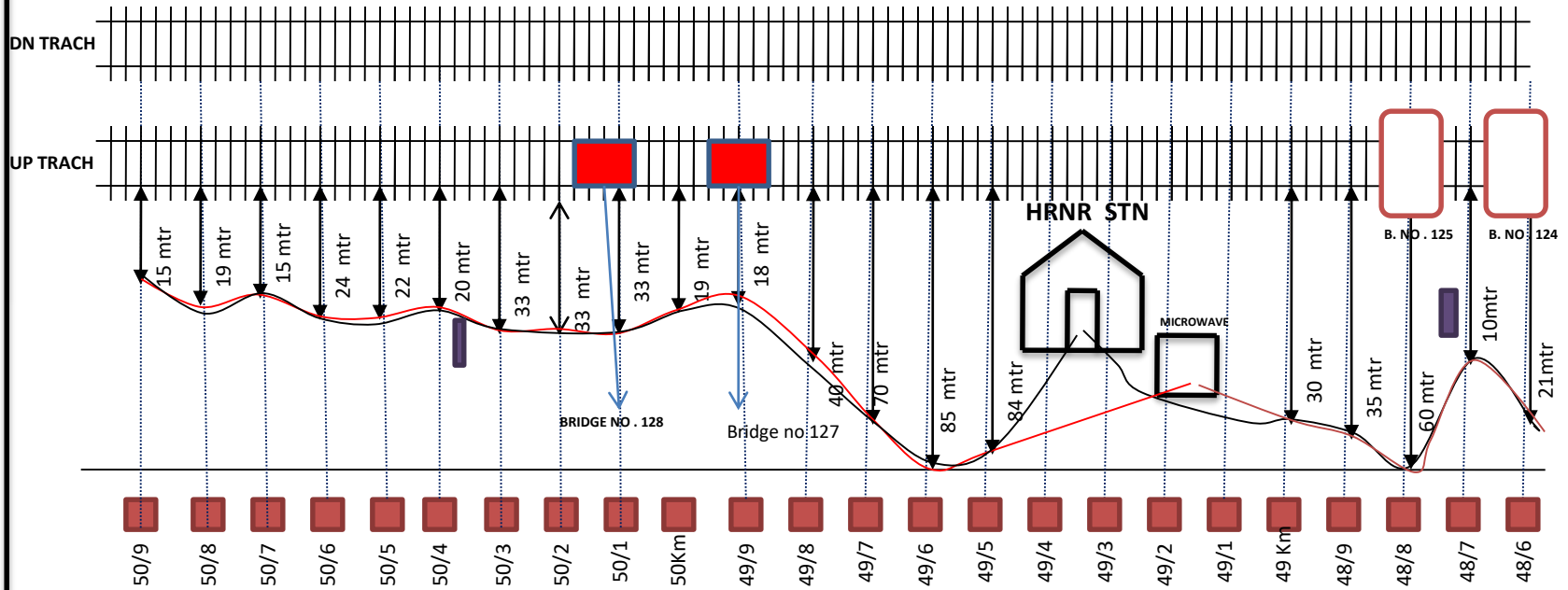
HRNR END →



← GHGL END

GHGL-HRNR

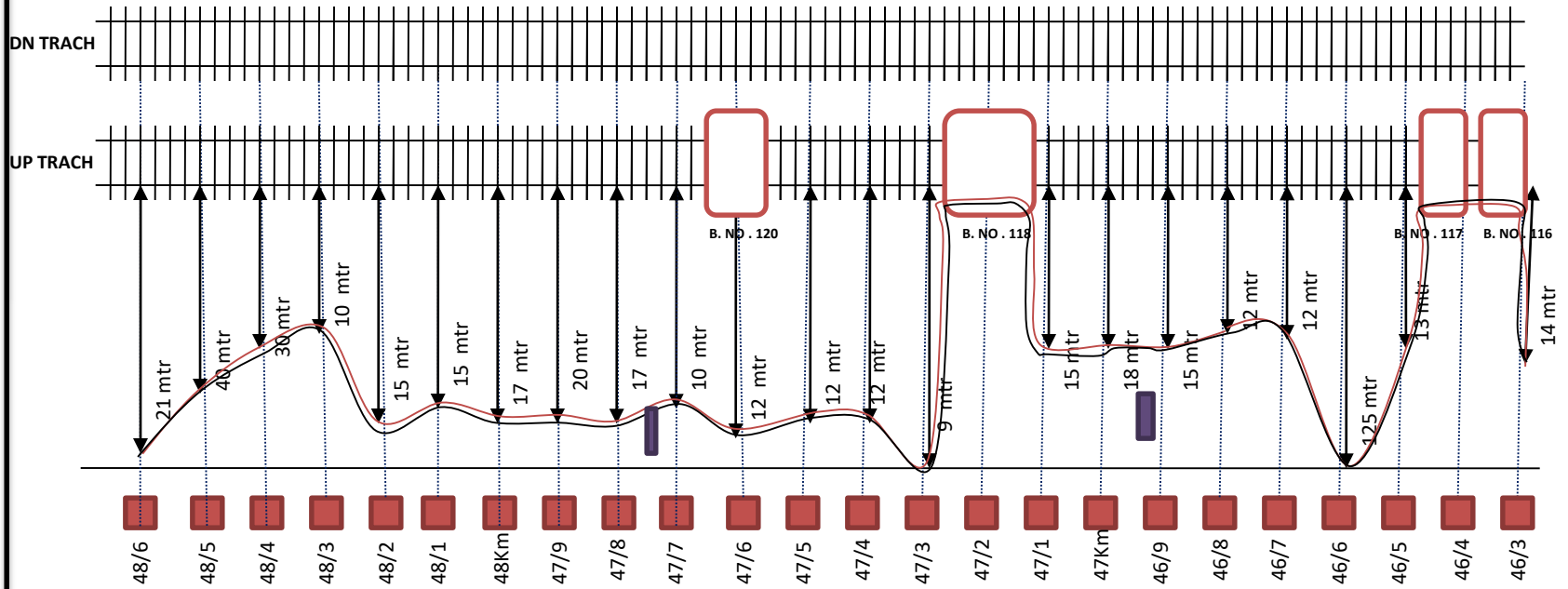
HRNR END →



← HRNR END

HRNR-CKDL

CKDL END →



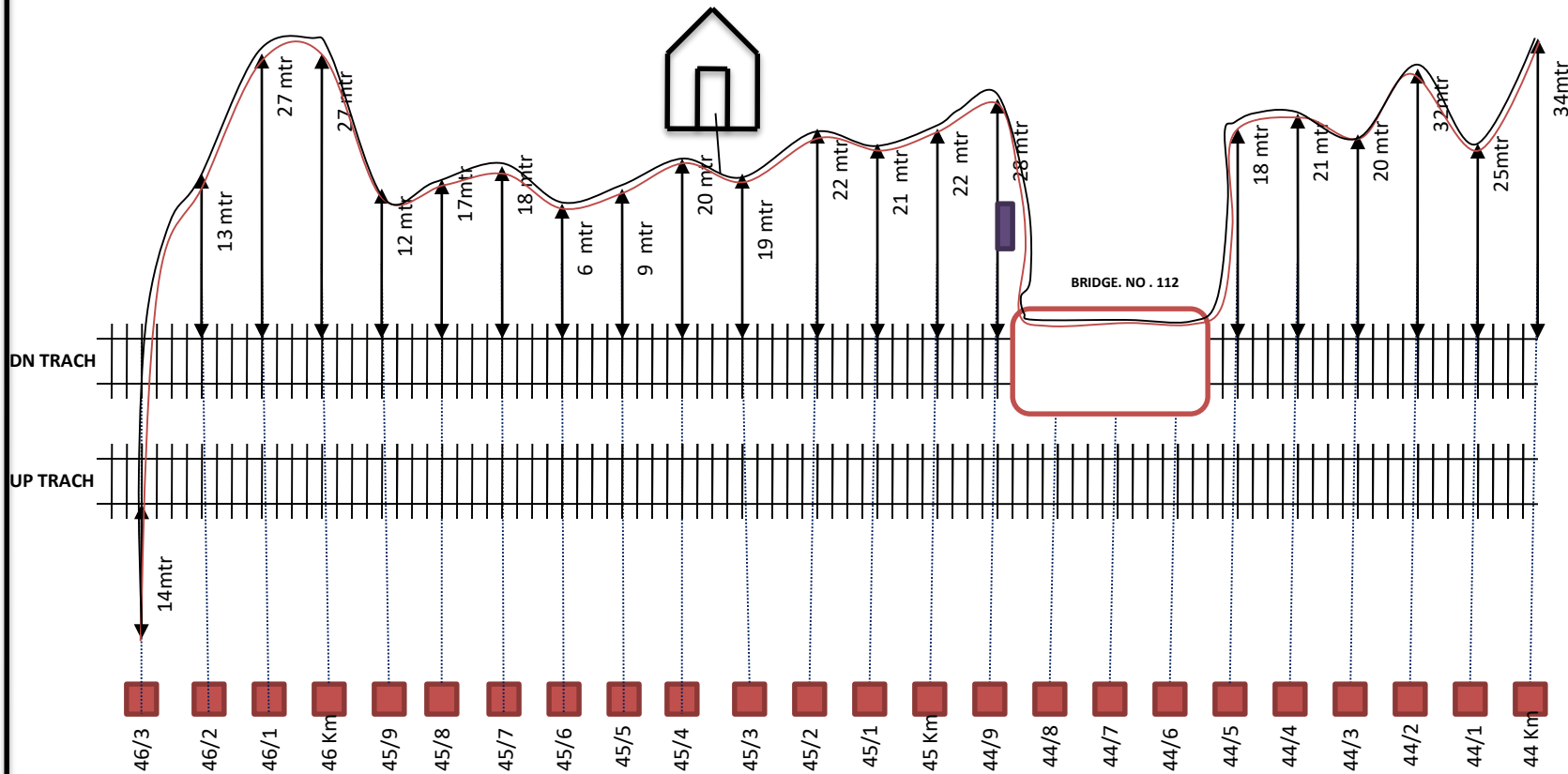
← HRNR END

HRNR-CKDL

CKDL STN.

CKDL-CHNR

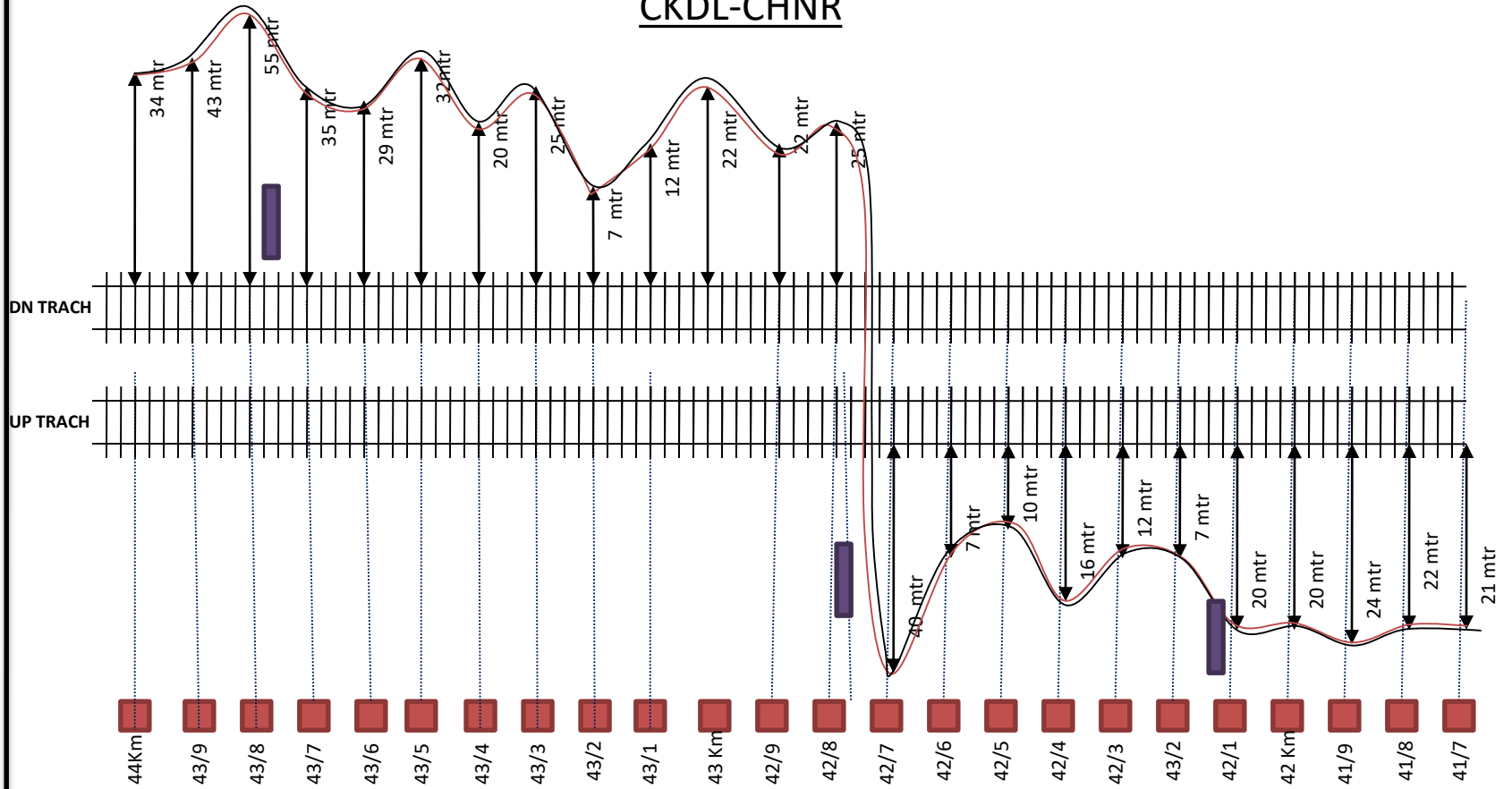
CHNR END →



← CKDL END

CKDL-CHNR

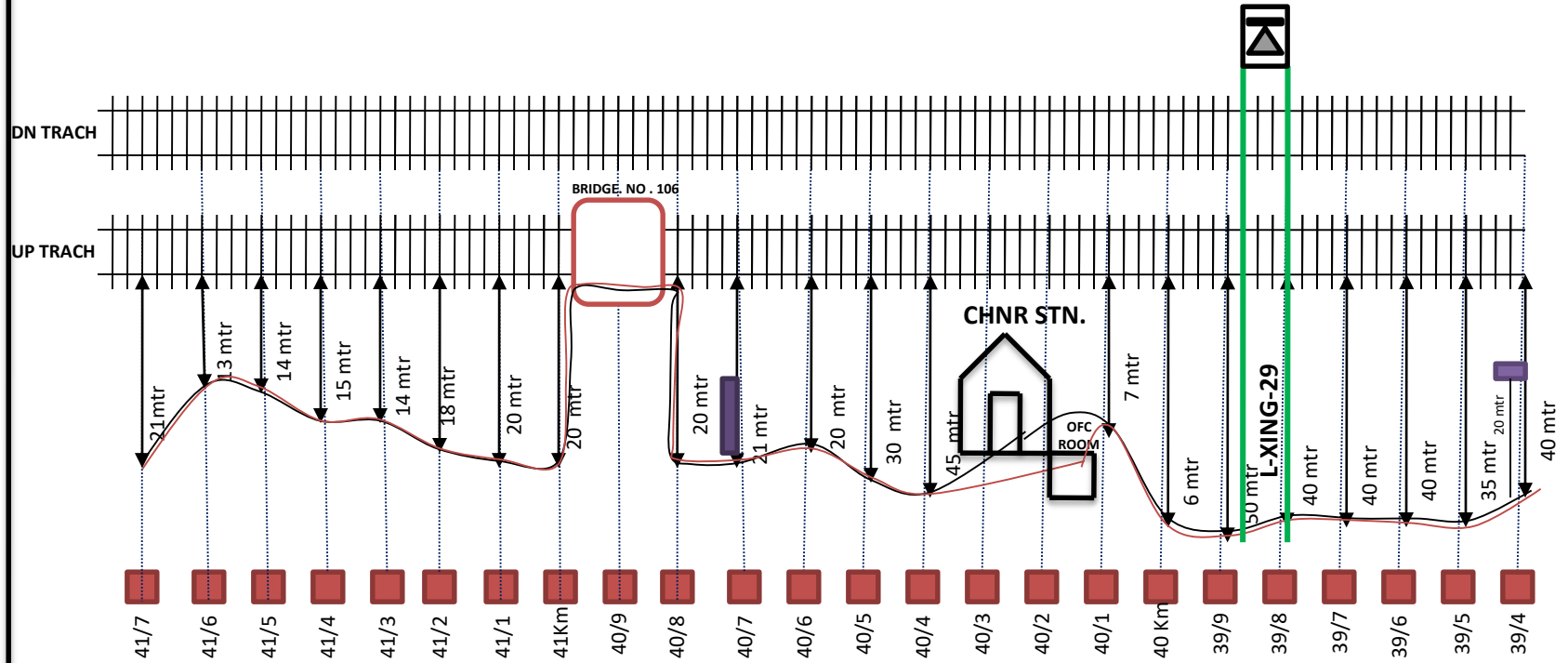
CHNR END →



← CKDL END

CKDL-CHNR

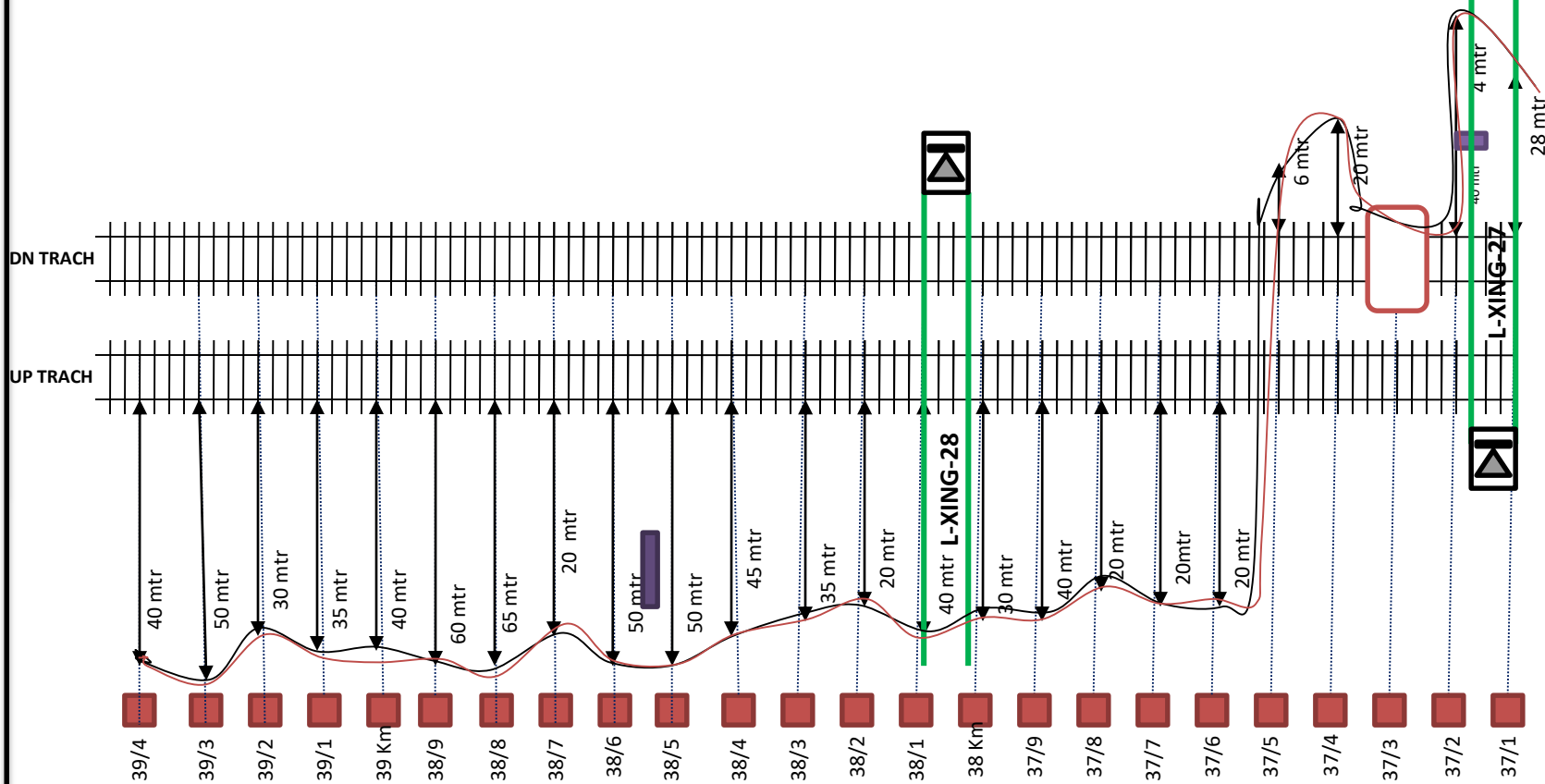
BDHY END →



← CHNR END

CHNR-BDHY

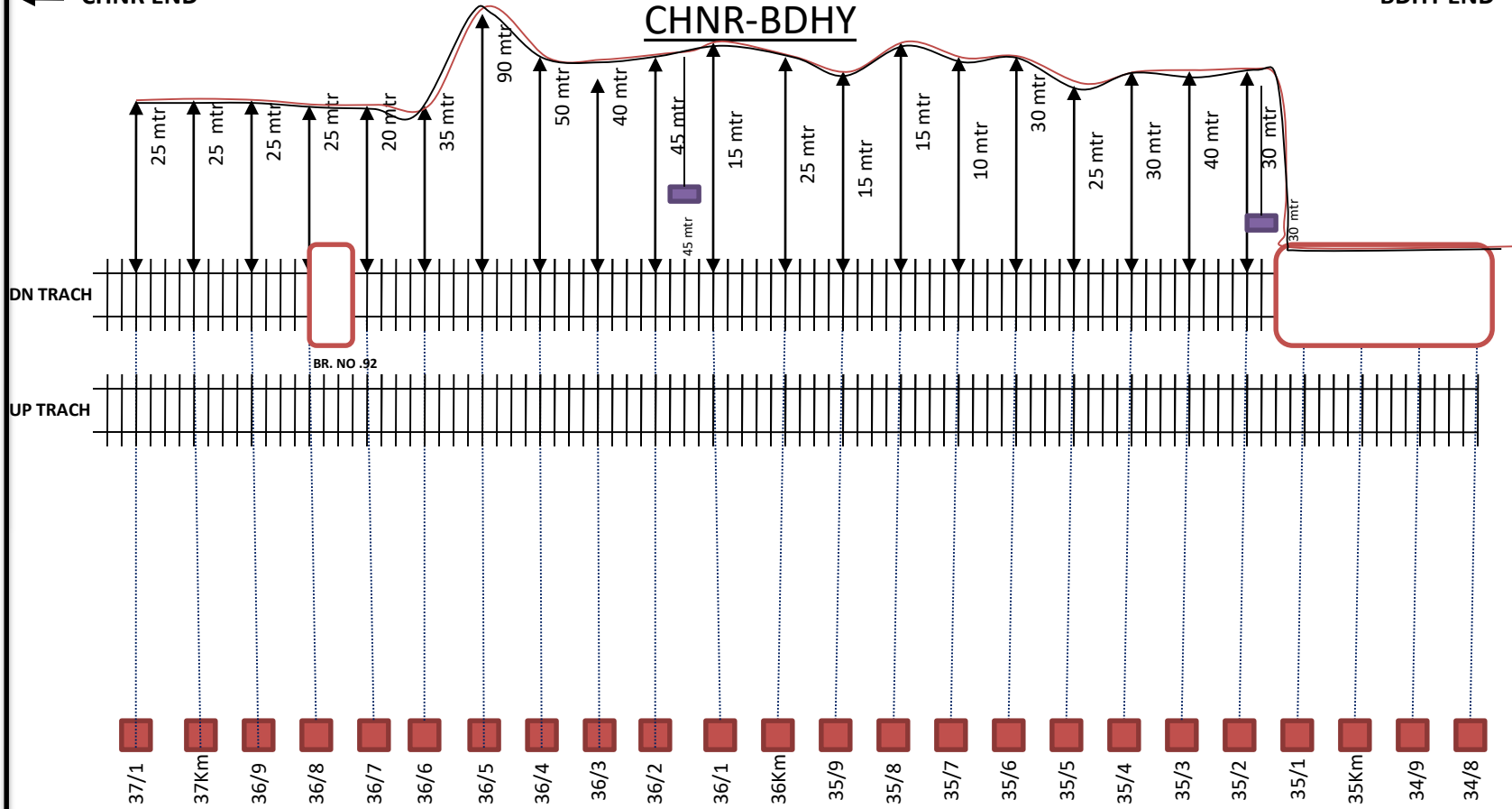
BDHY END →



← CHNR END

BDHY END →

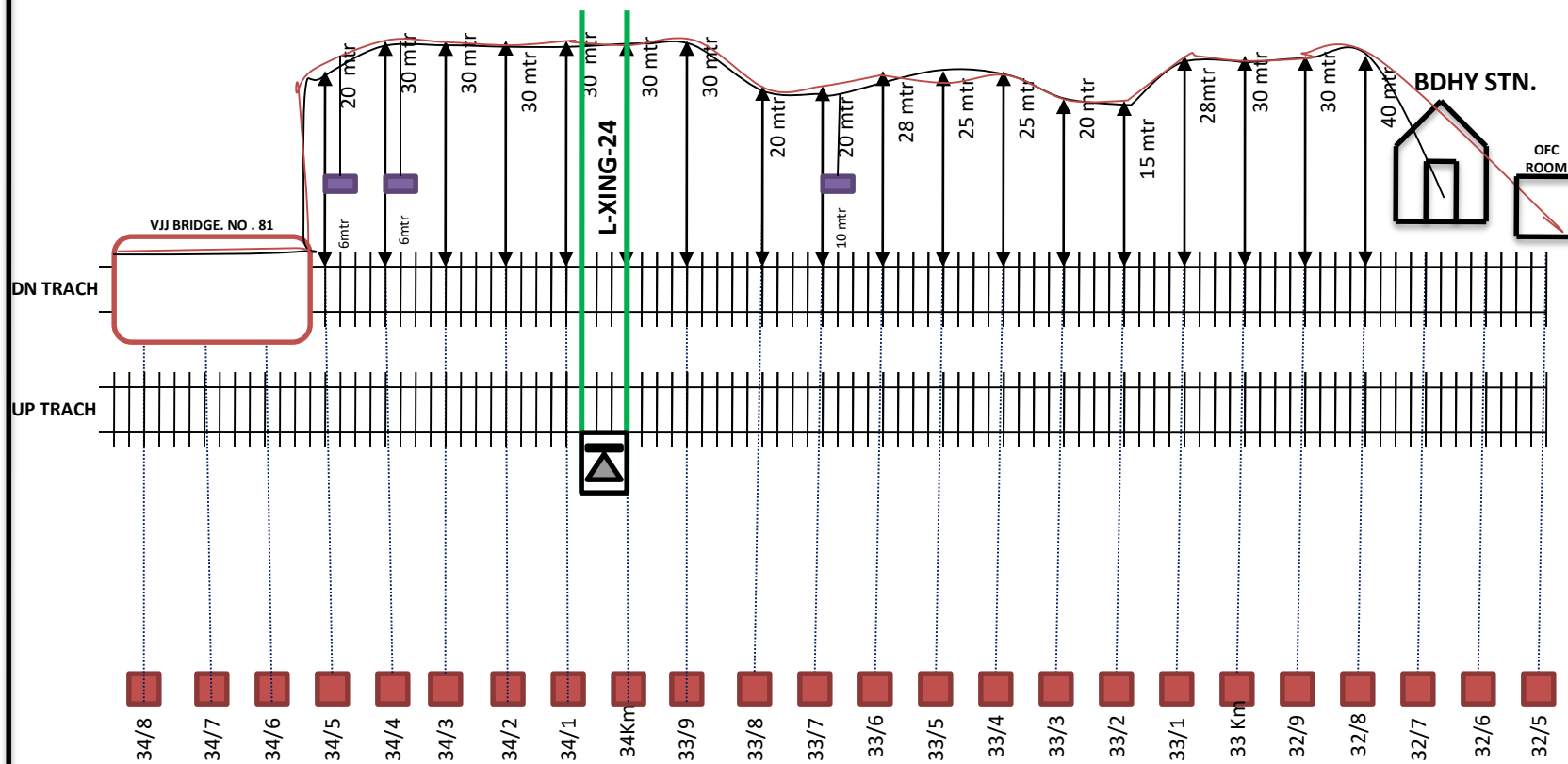
CHNR-BDHY



← CHNR END

CHNR-BDHY

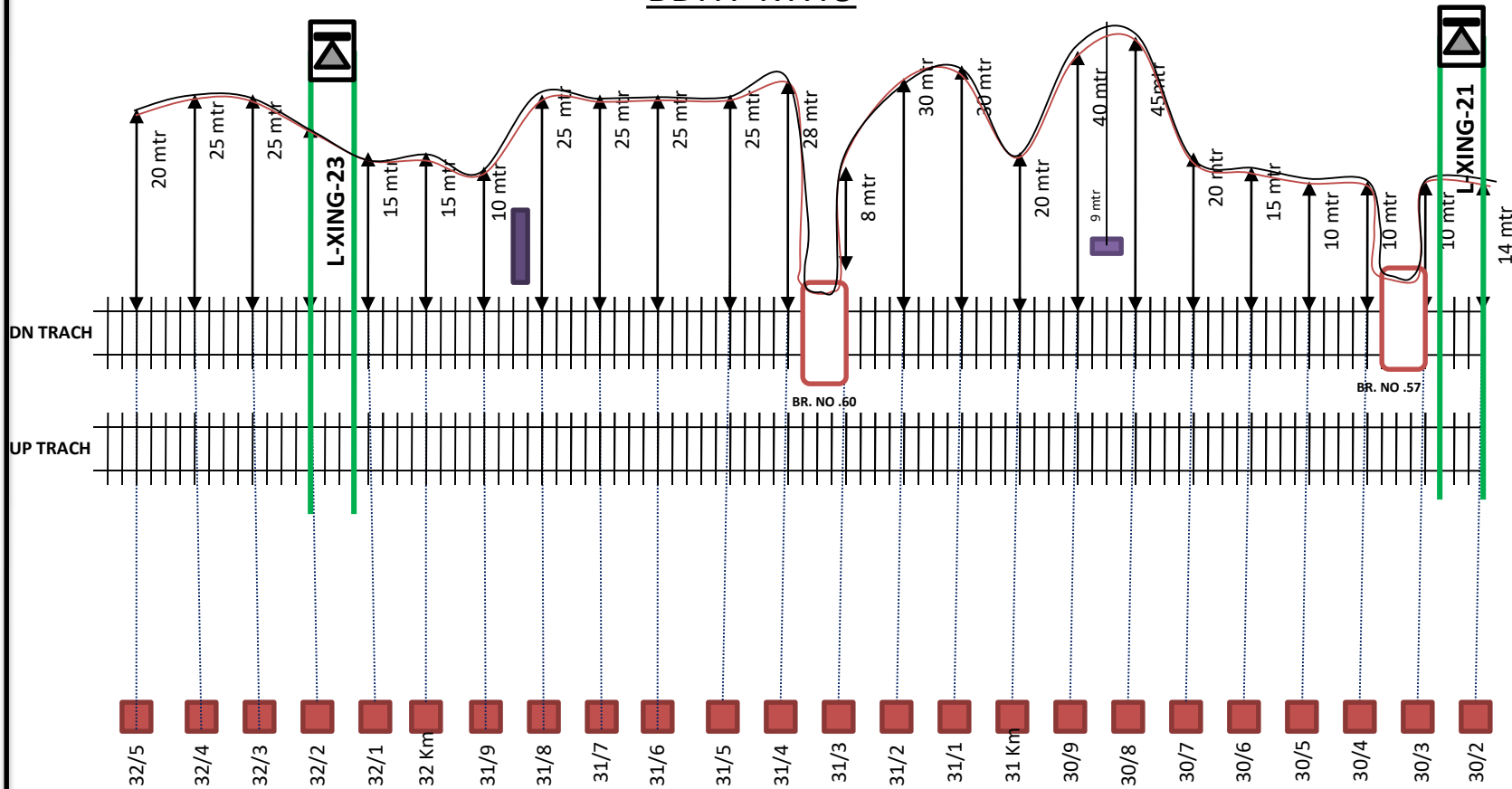
BDHY END →



← BDHY END

BDHY-KTHU

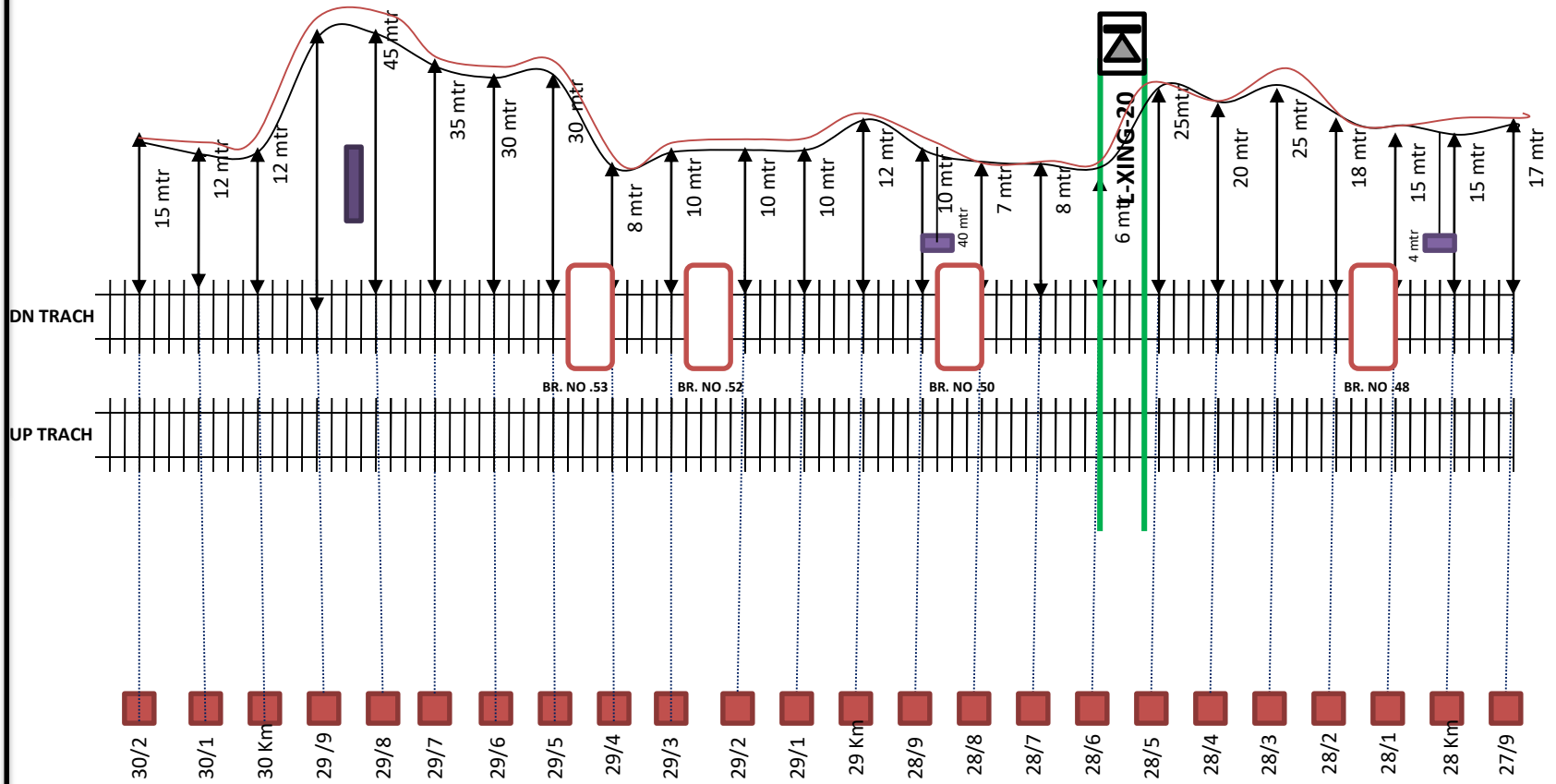
KTHU END →



← BDHY END

BDHY-KTHU

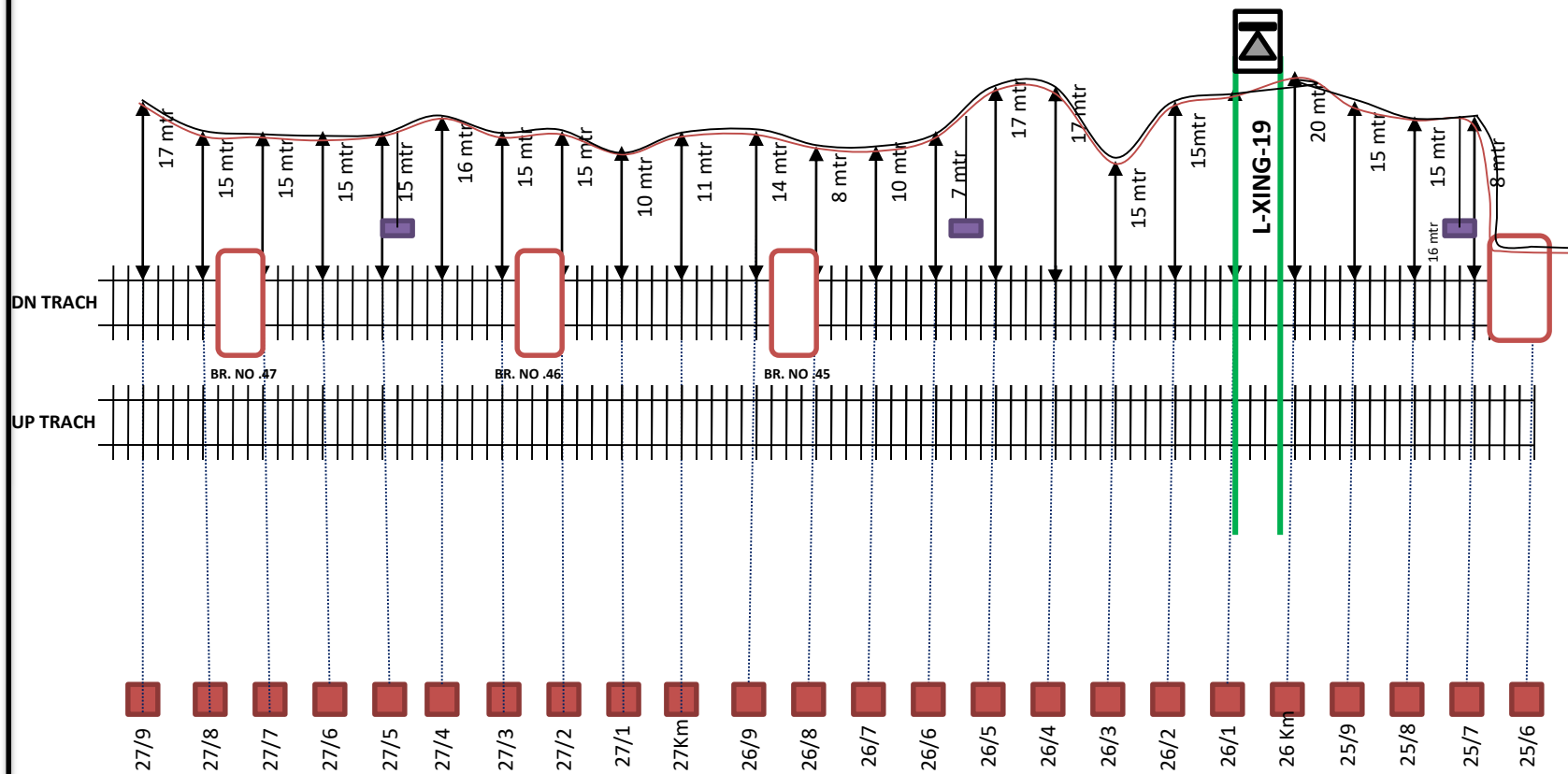
KTHU END →



← BDHY END

BDHY-KTHU

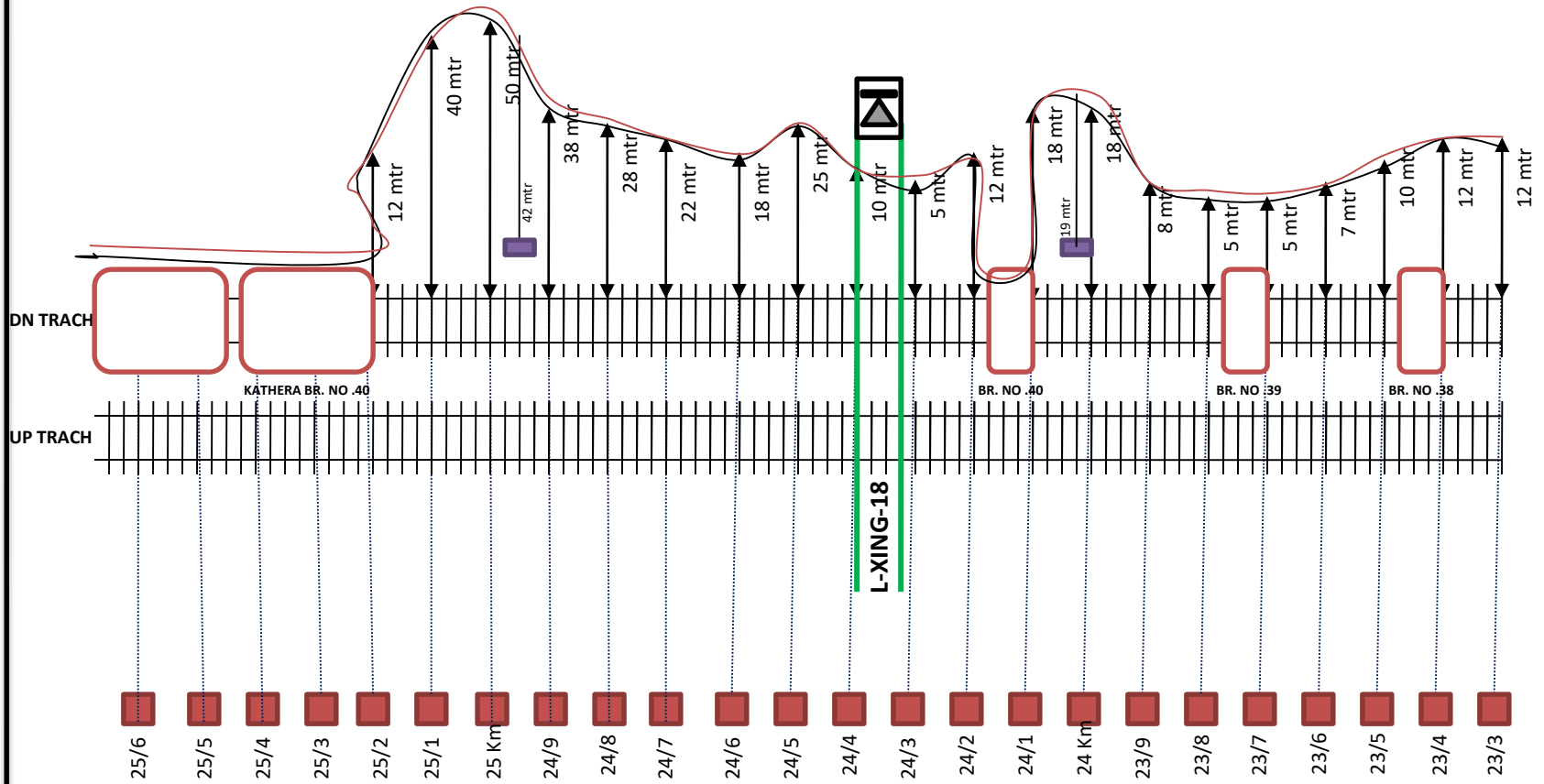
KTHU END →



← BDHY END

BDHY-KTHU

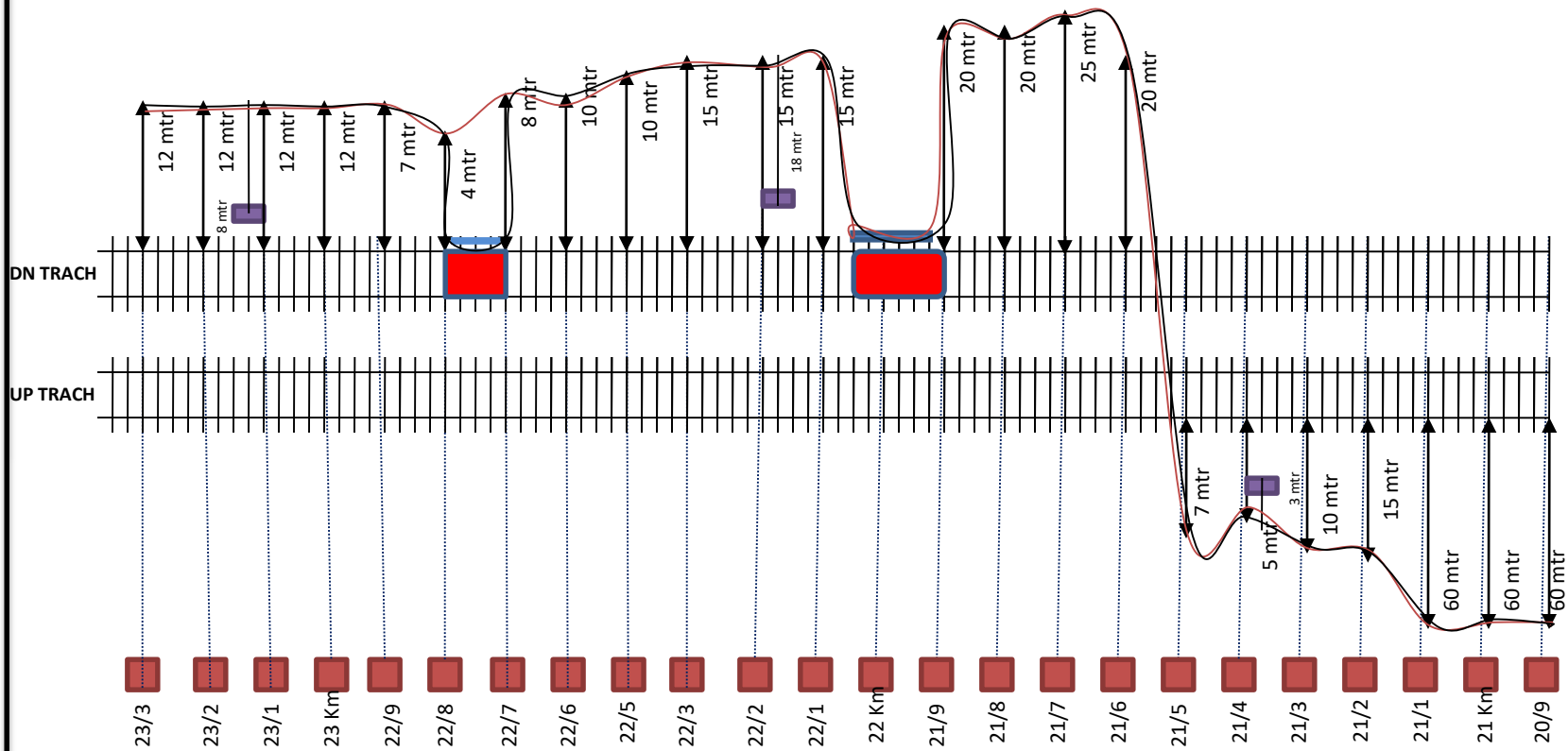
KTHU END →



← BDHY END

BDHY-KTHU

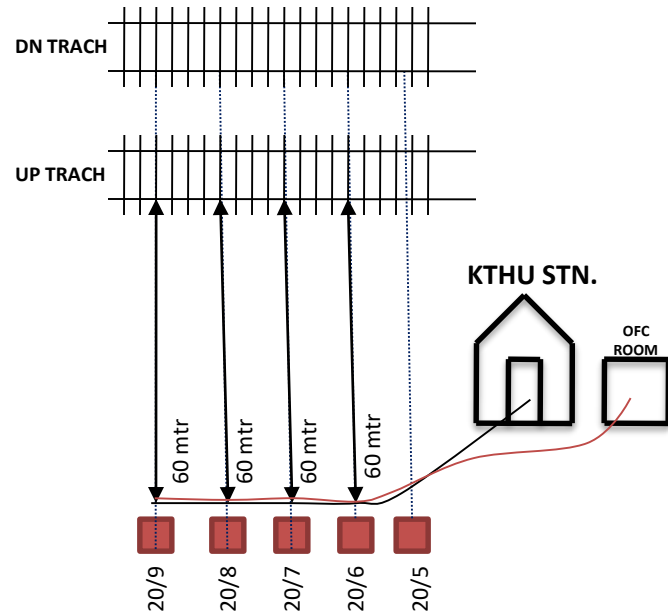
KTHU END →



← BDHY END

BDHY-KTHU

KTHU END →

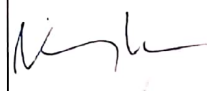


DOCUMENTATION

JURL PROJECT

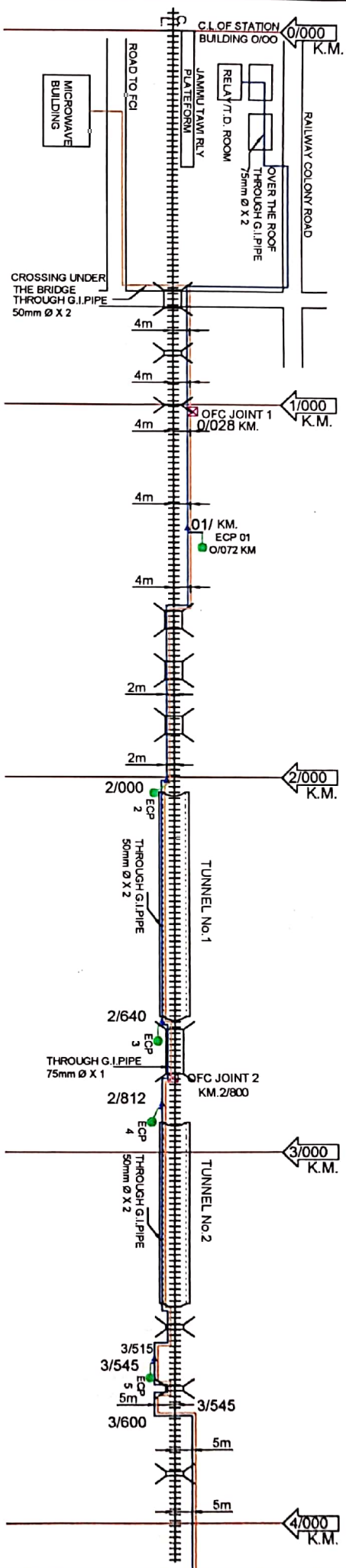
TENDER NO : NR/S&T/C-59

CONTRACOR : M/S CROMPTON GREAVES LIMITED

CROMPTON GREAVES LTD C.G.DIGITAL				
	Project Incharge M/s C.G.LIMITED	SSE/C/TKJ	ASTE/C/TKJ	DY. CSTE/C

PATHANKOT END

UDHAMPUR END



NOTE:-

1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
4. E C SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

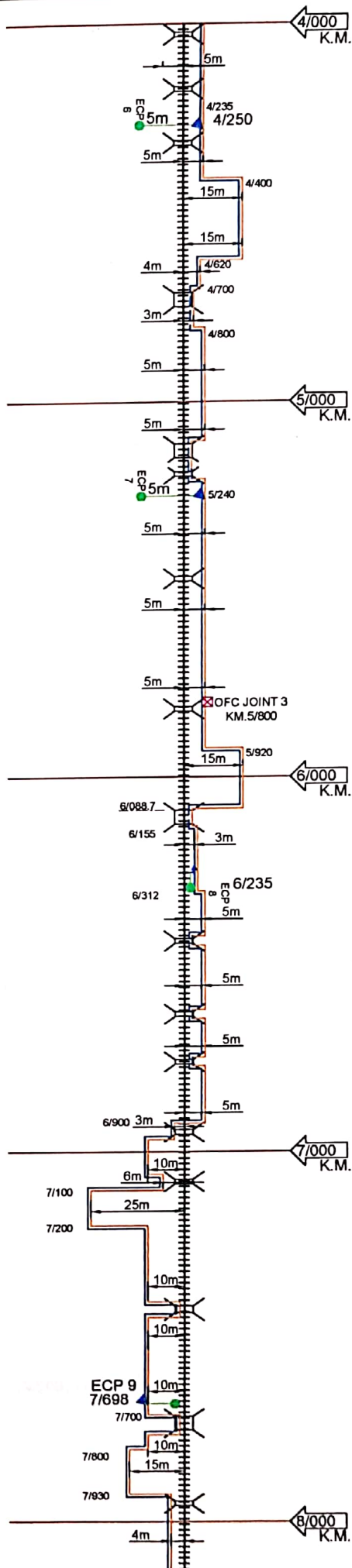
- LEGEND:-**
- 1. O.F.C. LINE
 - 2. 4/6 QUAD LINE
 - 3. OFC JOINT.
 - 4. EMERGENCY SKT. POST
 - 5. ECP no.

CROMPTON GREAVES
LTD.
C.C. DIGITAL

M/s Crompton Greaves	SSE/C/T/KJ	ASTE/C/T/KJ	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR	DRG.No.CG/JURLDOC-1
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	from Km. 1/000 to 4/000 sheet no. 1 of 15	

PATHANKOT END

UDHAMPUR END



- NOTE:-**
1. E.C. SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
 3. FOUR QUAD TELECOM. CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. E.C. SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

- LEGEND:-**
- 1. O.F.C. LINE
 - 2. 4/6 QUAD. LINE
 - 3. OFC JOINT.
 - 4. EMERGENCY SKT. POST

CROMPTON GREAVES

C.G. DIGITAL

M/s Crompton Greaves

SSE/C/T/KJ

ASTE/C/T/KJ

DY.CSTE (C)

from Km. 4/000 to 8/000
sheet no. 2 of 15

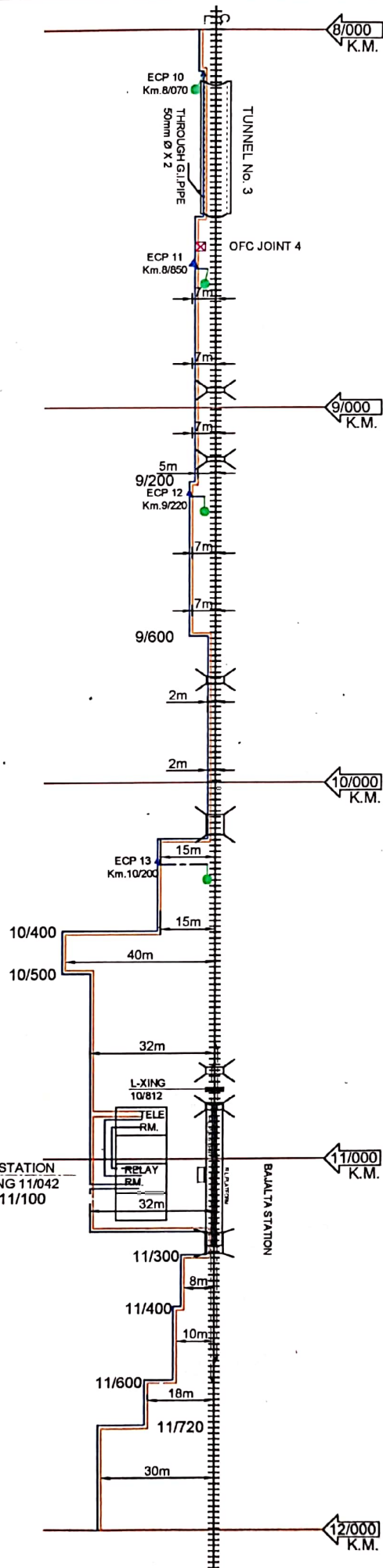
SKETCH:-

AS BUILT CABLE ROUTE PLAN
JAMMU TO UDHAMPUR

DRG.No.CG/JURLDOC-1

PATHANKOT END

UDHAMPUR END



NOTE:-

1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

- LEGEND:-**
- 1. O.F.C. (Line)
 - 2. 4/6 QUAD (Line)
 - 3. O.F.C. JOINT (Symbol)
 - 4. EMERGENCY SKT. POST (Symbol)

CROMPTON GREAVES

LTD.

C.G. DIGITAL

M/s Crompton Greaves

SSE/CTKJ

ASTE/CTKJ

DY.CSTE (C)

SKETCH:-

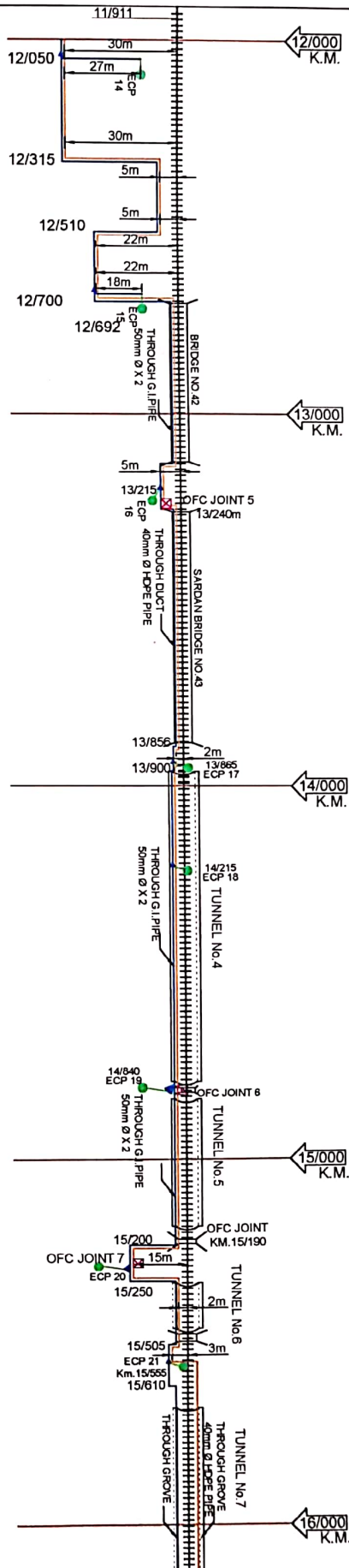
AS BUILT CABLE
ROUTE PLAN
JAMMU TO UDHAMPUR

from Km. 8/000 to 12/000
sheet no. 3 of 15

DRG.No. CG/JURL/DOC-1

PATHANKOT END

UDHAMPUR END



NOTE:-
 1. E.C. SOCKETS ARE PROVIDED AT EVERY K.M.
 2. O.F.C. JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF O.F.C. CABLE.
 4. E.C. SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

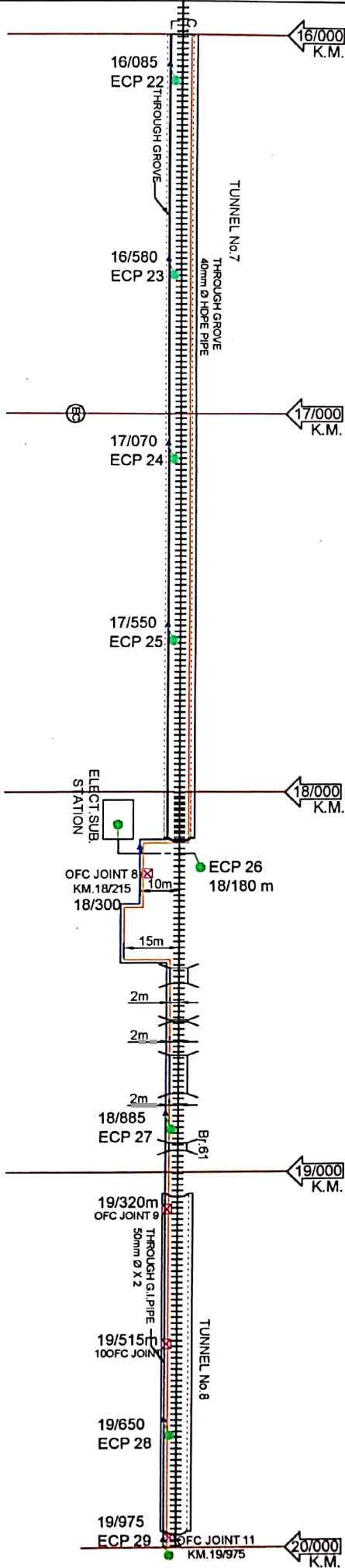
LEGEND:-
 1. O.F.C. LINE
 2. 4/6 QUAD. LINE
 3. O.F.C. JOINT.
 4. EMERGENCY SKT. POST

CROMPION GRAVES LTD.
C.G. DIGITAL

M/s Crompton Graves	SSE/C/T/KJ	ASTE/C/T/KJ	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR from Km. 12/000 to 16/000 sheet no. 4 of 15	DRG. NO. CG/JURL/DOC-1
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PATHANKOT END

UDHAMPUR END



NOTE:-
 1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-
 1. O.F.C. LINE
 2. 4/6 QUAD LINE
 3. OFC JOINT
 4. EMERGENCY
 SKT. POST

CROMPTON GREAVES LTD.
C.G. DIGITAL

M/s Crompton Greaves

SSE/C/T/KJ

ASTE/C/T/KJ

DY.CSTE (C)

SKETCH:-

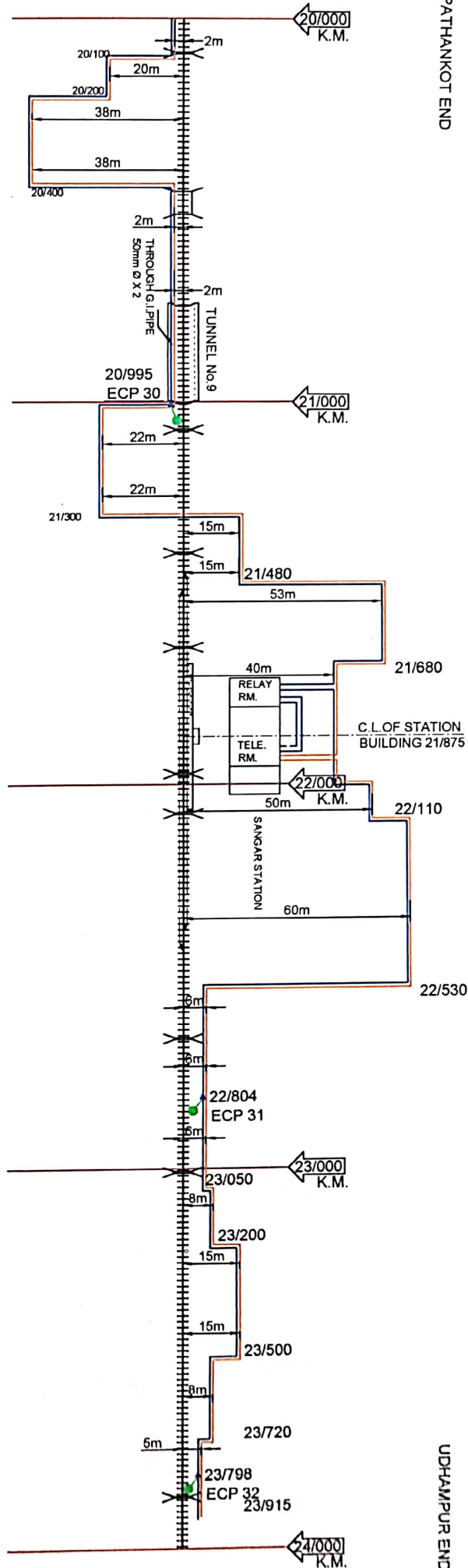
AS BUILT CABLE
 ROUTE PLAN
 JAMMU TO UDHAMPUR

from Km. 16/000 to 20/000
 sheet no. 5 of 15

DRG.No.CG/JURLDOC-1

PATHANKOT END

UDHAMPUR END



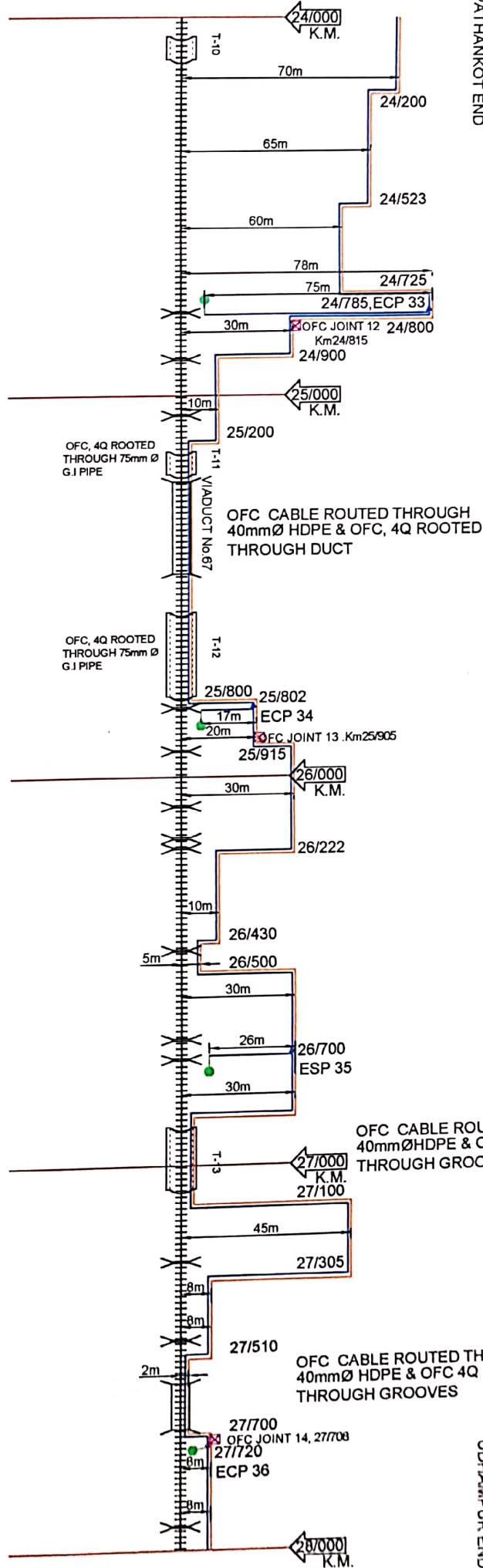
NOTE:-
 1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3 K.M. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-
 1. O.F.C. LINE
 2. 4/6 QUAD. LINE
 3. O.F.C. JOINT. LINE
 4. EMERGENCY SKT. POST

CROMPTON GREAVES LTD. C.G. DIGITAL

M/s Crompton Greaves	Sketch	SSE/C/T/KJ	ASTE/C/T/KJ	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR from Km. 20/000 to 24/000 sheet no. 6 of 15	DRG.No.CG/JURLDOC-1
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PATHANKOT END



UDHAMPUR END

NOTE:-

1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX
3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE
4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-

1. O.F.C. LINE
2. 4/6 QUAD. LINE
3. OFC JOINT.
4. EMERGENCY SKT. POST

OF no...
ECP no...

CROMPTON GREAVES

LTD.

C.C. DIGITAL

M/s Crompton Greaves

[Signature]

SSE/C/T/KJ

[Signature]

ASTE/C/T/KJ

[Signature]

DY.CSTE (C)

[Signature]

SKETCH:-

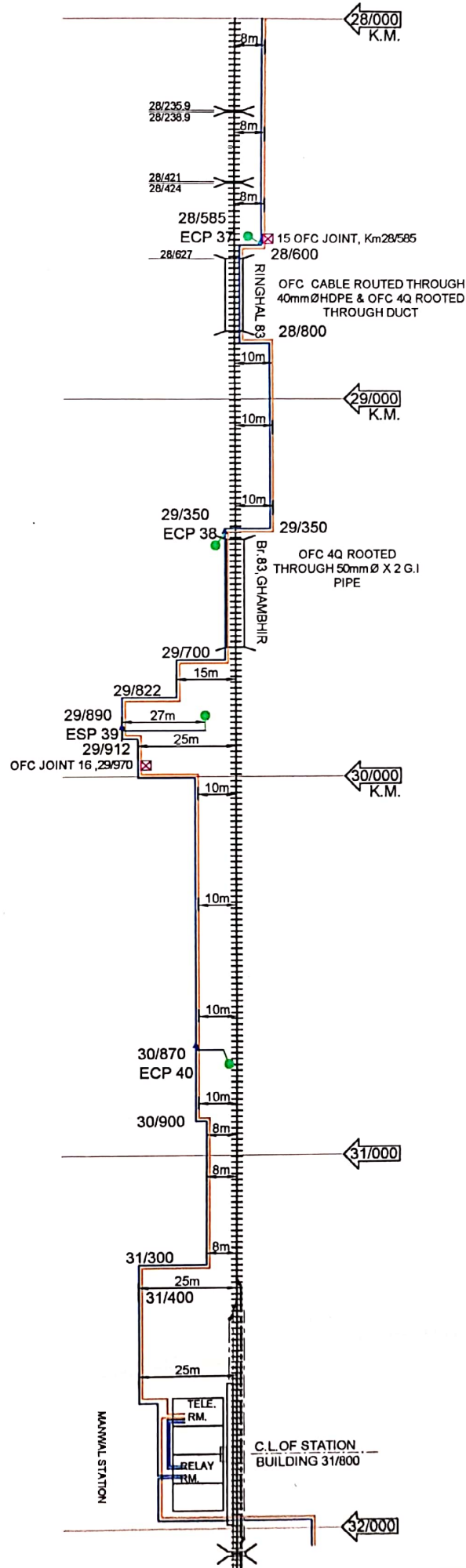
AS BUILT CABLE ROUTE PLAN
JAMMU TO UDHAMPUR

from Km.24/000 to 28/000
Sheet no. 7 of 15

DRG.No.CG/JURL/DOC-1

PATHANKOT END

UDHAMPUR END



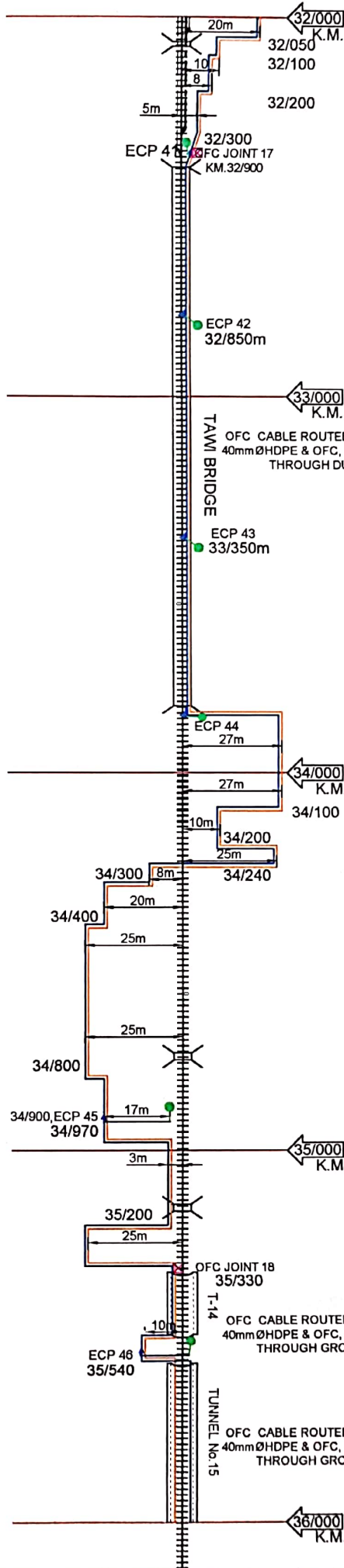
NOTE:-
1. E.C. SOCKETS ARE PROVIDED AT EVERY K.M.
2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
4. E.C. SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-
1. O.F.C. LINE
2. 4/6 QUAD LINE
3. OFC JOINT
4. EMERGENCY SKT. POST

CROMPTON GREAVES LTD. C.G. DIGITAL

M/s Crompton Greaves	SSE/CTKJ	ASTE/CTKJ	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR from Km. 28/000 to 32/000 sheet no. 8 of 15	DRG. No. CG/JURL/DOC-1
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PATHANKOT END



UDHAMPUR END

NOTE:-

1. EC SOCKETS ARE PROVIDED AT EVERY KM.
2. OFC JOINTS ARE PROVIDED AT EVERY 3KM. APPROX.
3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-

- 1. O.F.C. LINE
- 2. 4/6 QUAD LINE
- 3. OFC JOINT
- 4. EMERGENCY SKT. POST
- OFC no.
- ECP no.

CROMPTON GREAVES

LTD.

C.A. DIGITAL

M/s Crompton Greaves

[Signature]

SSE/C/TKU

[Signature]

ASTE/C/TKU

[Signature]

DY.CSTE (C)

[Signature]

SKETCH:-

AS BUILT CABLE ROUTE PLAN

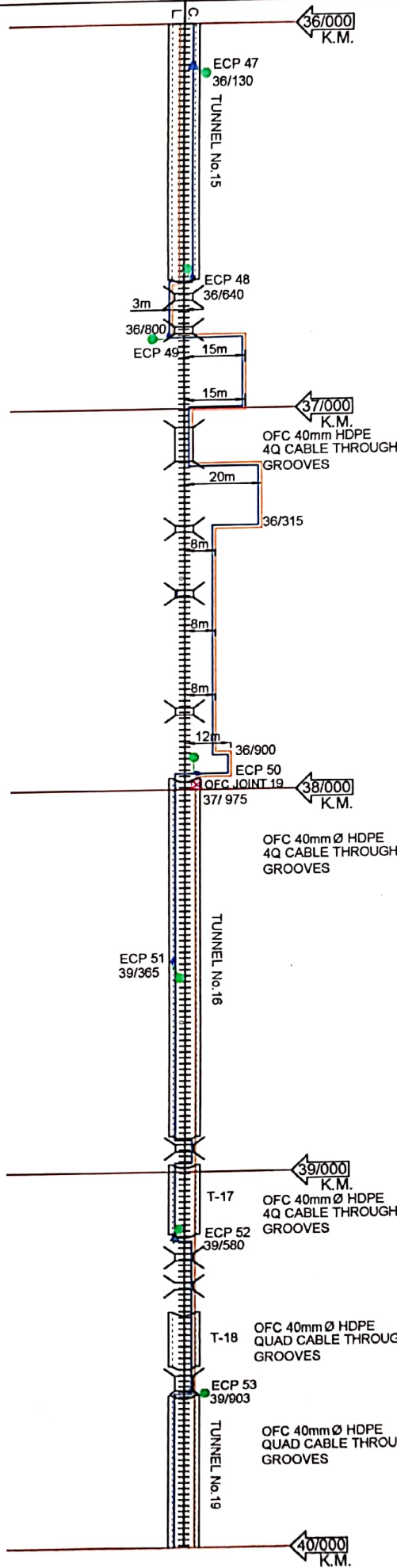
JAMMU TO UDHAMPUR

from Km. 32/000 to 36/000
sheet no. 9 of 15

DRG.No.CG/JURL/DOC-1

PATHANKOT END

UDHAMPUR END



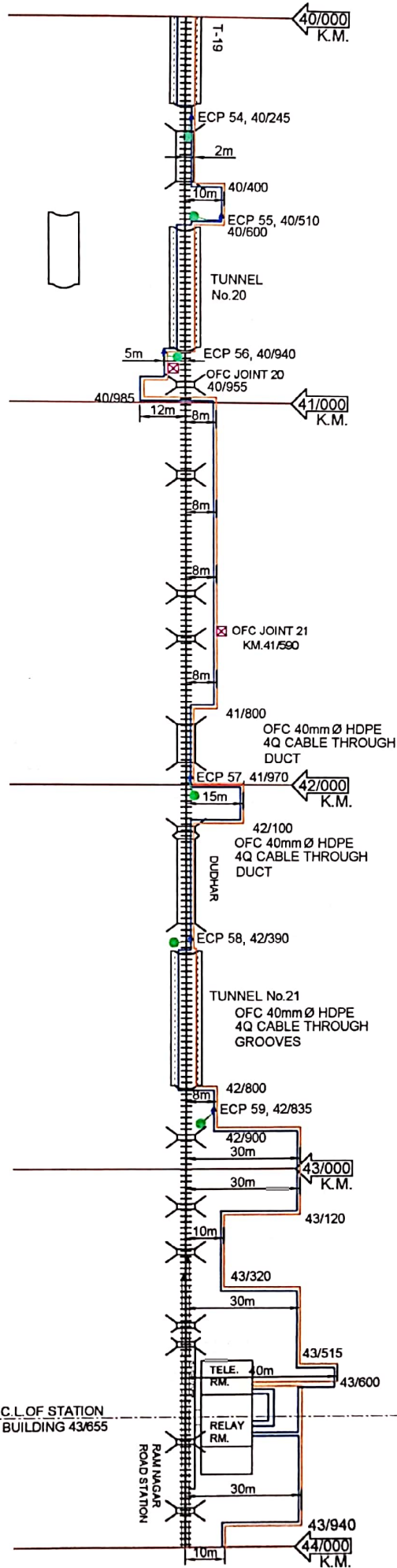
NOTE:-
 1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-
 1. O.F.C..... LINE
 2. 4/6 QUAD..... LINE
 3. OFC JOINT.
 4. EMERGENCY SKT. POST

CROMPTON GREAVES LTD. C.A. DIGITAL

M/s Crompton Greaves	SSE/CTKJ	ASTE/CTKJ	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR from Km. 36/000 to 40/000 sheet no. 10 of 15	DRG.No.CG/JURLDOC-1
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PATHANKOT END



UDHAMPUR END

NOTE:-

1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES.

LEGEND:-

1. O.F.C. LINE
2. 4/6 QUAD LINE
3. OFC JOINT.
4. EMERGENCY SKT. POST

CROMPTON GREAVES

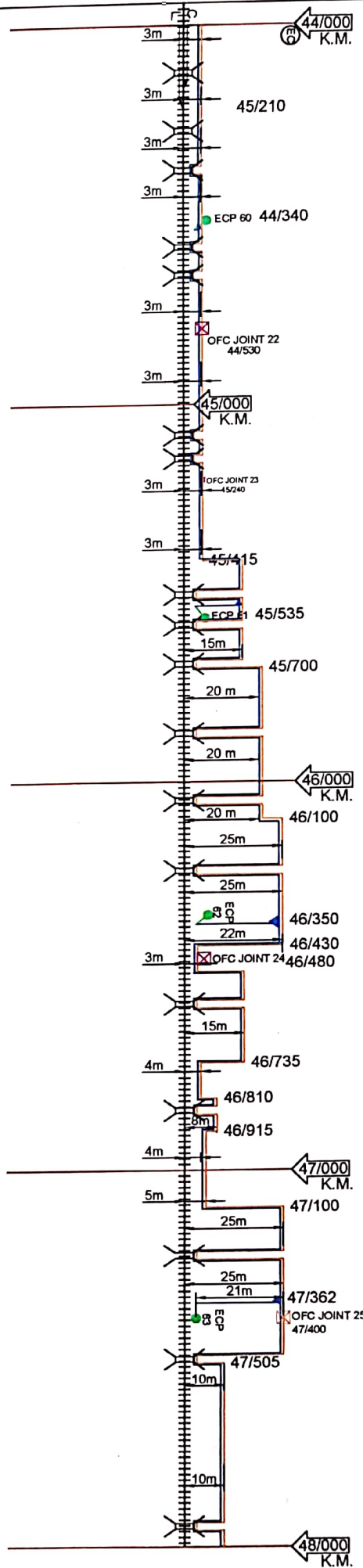
LTD.

C.C. DIGITAL

M/s Crompton Greaves	SSE/CTKU	ASTE/CTKU	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR	DRG.No.CG/JURL/DOC-1
				from Km.40/000 to 44/000 Sheet no. 11 of 15	

PATHANKOT END

UDHAMPUR END



NOTE:-
 1. E.C. SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. E.C. SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-
 1. O.F.C. LINE
 2. 4/6 QUAD. LINE
 3. OFC JOINT.
 4. EMERGENCY SKT. POST

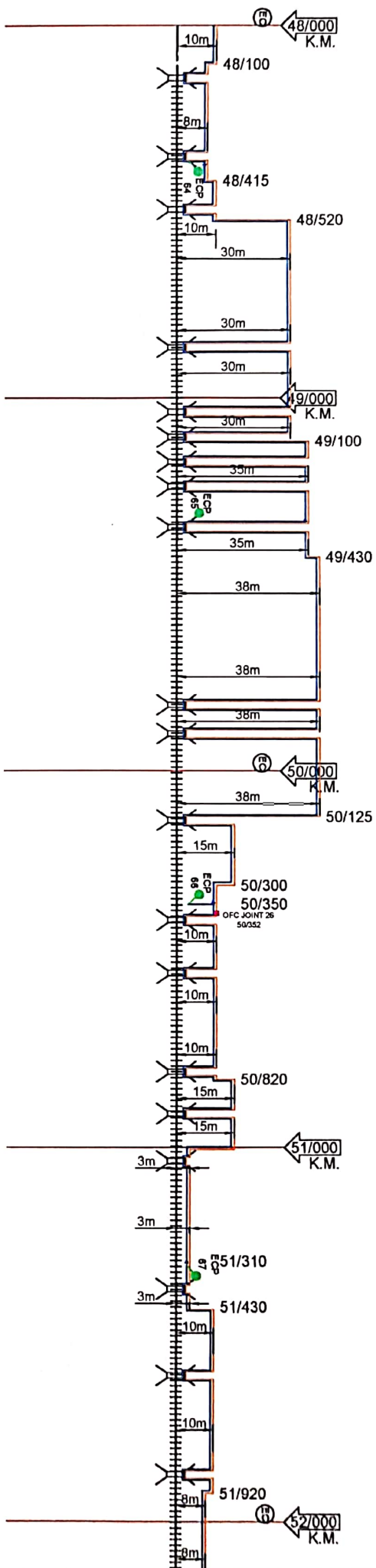
CROMPTON GREAVES LTD.
C.Q. DIGITAL

M/s Crompton Greaves	<i>[Signature]</i>	SSE/CTKJ	<i>[Signature]</i>	ASTE/CTKJ	<i>[Signature]</i>	DY.CSTE (C)	<i>[Signature]</i>	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR
								from Km. 44/000 to 48/000 sheet no. 12 of 15

DRG.No.CG/JURLDOC-1

PATHANKOT END

UDHAMPUR END



NOTE:-
 1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3KM. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

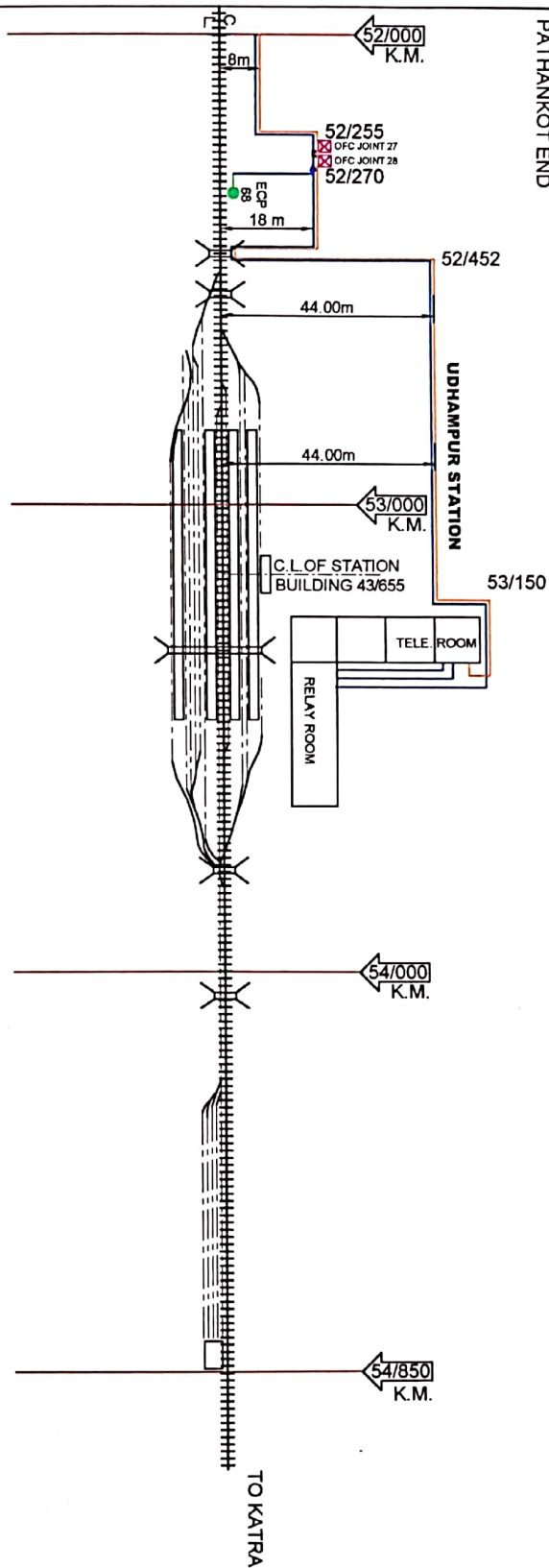
LEGEND:-
 1. O.F.C. ——— LINE
 2. 4/6 QUAD. LINE
 3. OFC JOINT. —•— LINE
 4. EMERGENCY SKT. POST —X— LINE

CROMPTON GREAVES LTD. C.G. DIGITAL

M/s Crompton Greaves	SSE/C/T/KJ	ASTE/C/T/KJ	DY.CSTE (C)	SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR from Km. 48/000 to 52/000 sheet no. 13 of 15	DRG.No.CG/JURL/DOC-1
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>		

PATHANKOT END

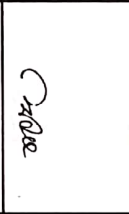
UDHAMPUR END



NOTE:-
 1. EC SOCKETS ARE PROVIDED AT EVERY K.M.
 2. OFC JOINTS ARE PROVIDED AT EVERY 3K.M. APPROX.
 3. FOUR QUAD TELECOM CABLE IS LAID DOWN IN SAME TRENCH OF OFC CABLE.
 4. EC SOCKETS ARE PROVIDED ON EVERY MAJOR TUNNELS AND BRIDGES

LEGEND:-
 1. O.F.C. LINE
 2. 4/6 QUAD. LINE
 3. OFC JOINT.
 4. EMERGENCY SKT. POST

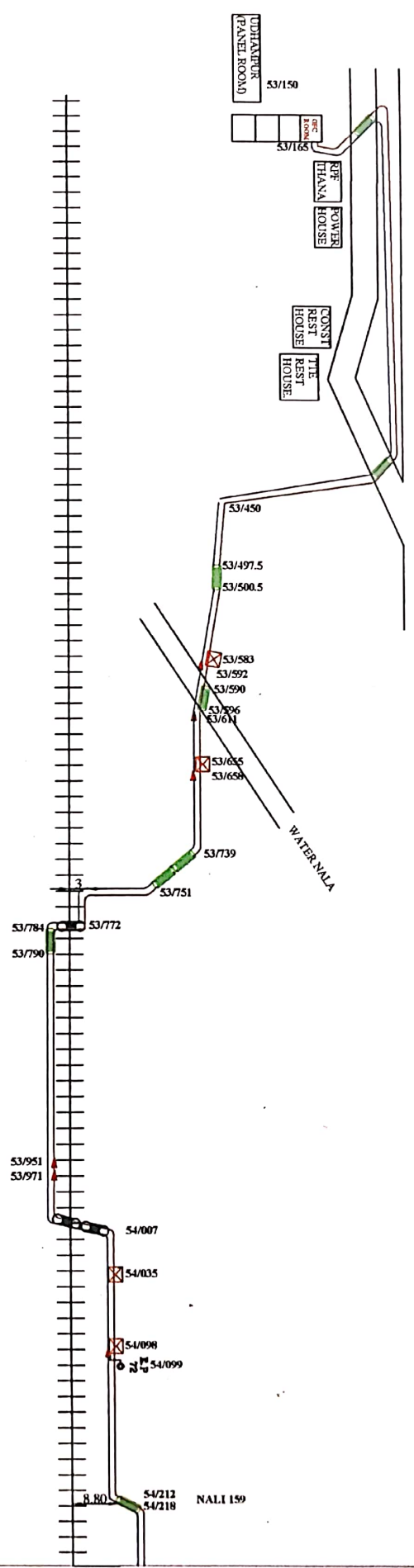
CROMPTON GREAVES LTD.
C.G. DIGITAL

				SKETCH:- AS BUILT CABLE ROUTE PLAN JAMMU TO UDHAMPUR from Km. 52/000 to 54/800 sheet no. 14 of 15	DRG.No.CG/JURLDOC-1
M/s Crompton Greaves	SSE/C/TKJ	ASTE/C/TKJ	DY.CSTE (C)		

NORTHERN RAILWAY

AS BUILD DRAWING OFC(24F) & 6QUAD
UDHAMPUR-SRI MATA VAISHNO DEVI KATRA
NEW BG RAIL LINE

AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)



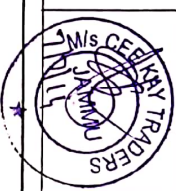
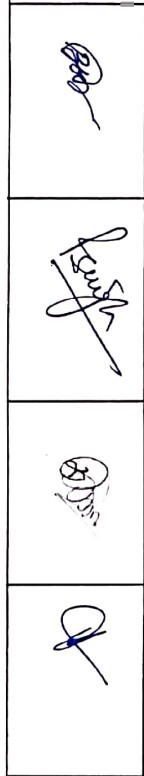
LEGEND

- G.I PIPE
- OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- EMERGENCY SOCKET
- CULVERT
- BRIDGE

NORTHERN RAILWAY

AS BUILT DRAWING UDHAMPUR -KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
SHEET NO:-1
O.F. CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN

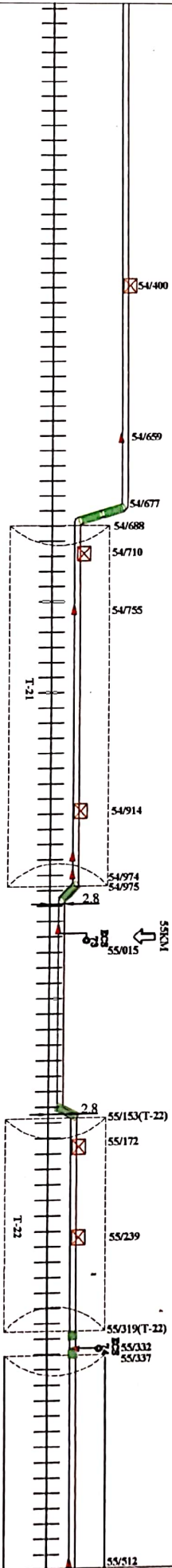
M/S CEE KAY TRADERS OPPOSITE SHELLE HOSPITAL DEL. KUNAWARI BYE PASS ROAD, JAMMU (JAMMU) 180011	JET/EL/US/R/L	SSE/TEL/US/R/L	EST/EL/US/R/L	DY/CS/TEL/US/R/L
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AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
→



LEGEND

- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DWC
- QUAD CABLE LAID IN DWC
- EMERGENCY SOCKET
- ⊠ CULVERT
- ⊠ BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DWC PIPES IN TUNNEL NOS. 24 & 25.

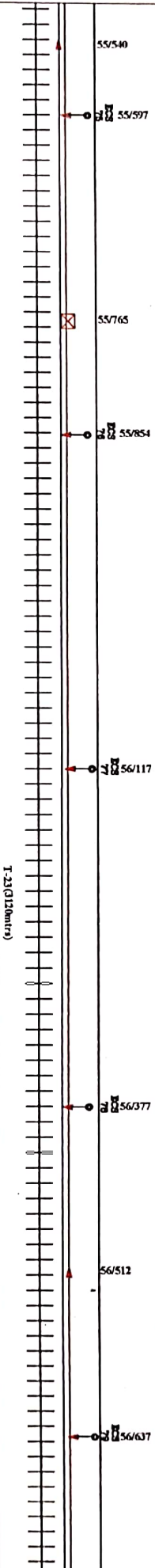
NORTHERN RAILWAY

M/S CEE KAY TRADERS OFFICE SHEELA HOBTAL DUL KUMAWAN BTE PAS ROAD, JAMMU-18001			
M/S CEE KAY TRADERS(JAMMU)	JET/EL/ASBRL	SSE/EL/ASBRL	EST/EL/ASBRL/AT
AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)			
SECTION: UDHAMPUR-KATRA			
O.F.CABLE(24F) & 6QUAD CABLE LAYOUT PLAN			
SHEET NO:2			

AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
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LEGEND

- RCC PIPE
- G.I PIPE
- OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- EMERGENCY SOCKET
- CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

55/740
DISTANT
SIGNAL

NORTHERN RAILWAY

MS CEE KAY TRADER OPPOSITE SHEELA HOSPITAL DEL. KUNIAWANI BYE PASS ROAD, JAMMU (KAY)-180011	MS CEE KAY TRADER (JAMMU)	JE/TE/LS/BR/L	BS/TE/LS/BR/L	ES/TE/LS/BR/L/NT	D/C/TE/LS/BR/L/NT
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AS BUILT DRAWING UDHAMPUR -KATRA(SVDK)

SECTION: UDHAMPUR-KATRA SHEET NO:3

O.F.CABLE(24F) & 6QUAD CABLE LAYOUT PLAN



Signature

Signature

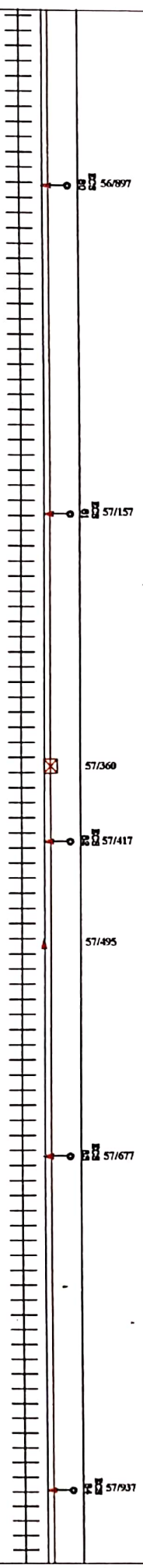
Signature

Signature

AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVVK)

UDHAMPUR
↑

KATRA
→



57/460
AIRTEL
BTS

LEGEND

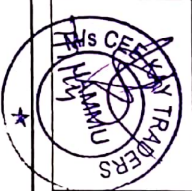
- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⋈ CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAIN IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

MS CEE KAY TRADERS OPPOSITE SHILPADA KUDHAMPUR-10071 JAMMU&KASHMIR	JE/TEL/ASBRL	SE/TEL/ASBRL	EST/ASBRL/UNT	DT/CAST/ASBRL/UNT
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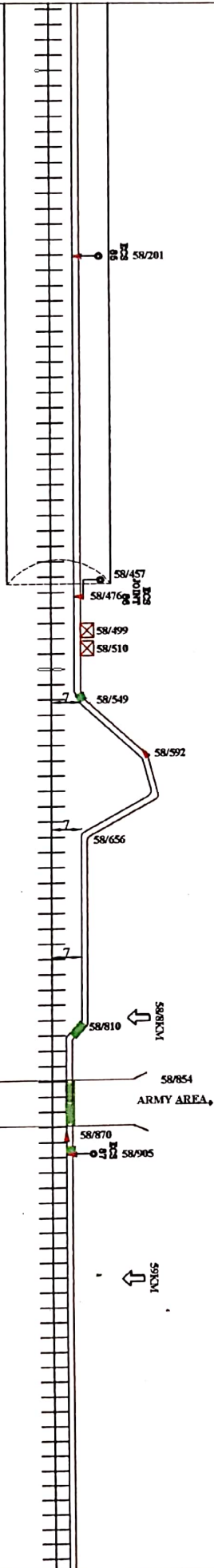
AS BUILT DRAWING UDHAMPUR-KATRA(SVVK)
SECTION: UDHAMPUR-KATRA
O.F. CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN
SHEET NO.4



AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
↓



LEGEND

- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DWC
- QUAD CABLE LAID IN DWC
- ⊙ EMERGENCY SOCKET
- ⊠ CULVERT
- ⊠ BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DWC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

M/S CEE KAY TRADERS OPPOSITE SHEELA HOBBY, D.L. KUNJAWAN BYE PASS ROAD, JAMMU (180011)	JET/TELE/SBRL	SSE/TELE/SBRL	EST/TELE/SBRL	DY/CTE/TELE/SBRL
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AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)

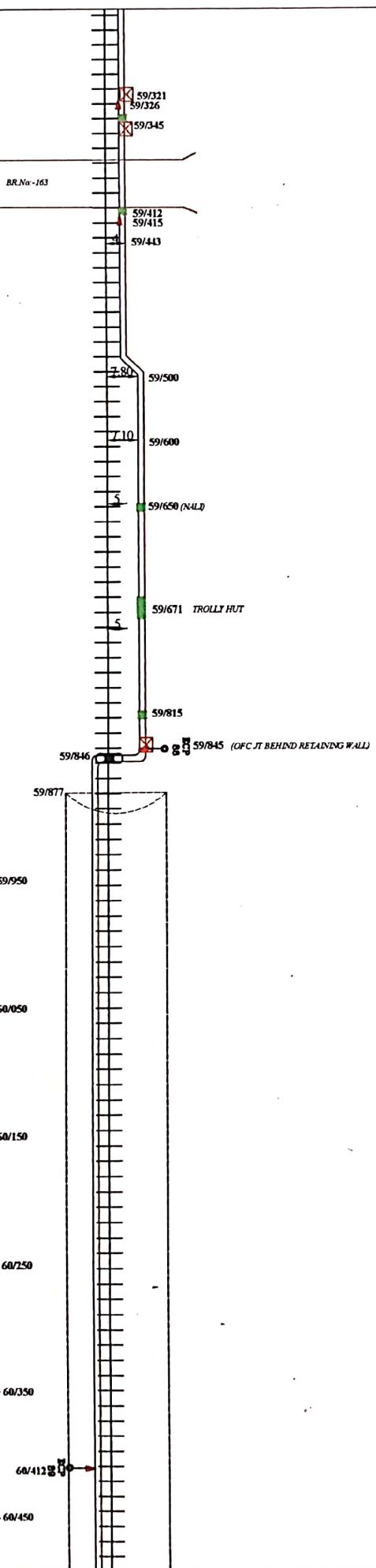
SECTION: UDHAMPUR-KATRA
SHEET NO.5
O.F. CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN



AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
↓



LEGEND

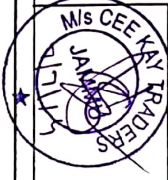
- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⌒ CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

M/S CEE KAY TRADERS OPPOSITE SHEELA HOSPITAL, DUL KUNAWAN, JAMMU (94401-18071)	M/S CEE KAY TRADERS (JAMMU)	JE/TE/US/BR/L	SS/TE/US/BR/L	ES/TE/US/BR/L/AT	DT/CT/US/BR/L/AT
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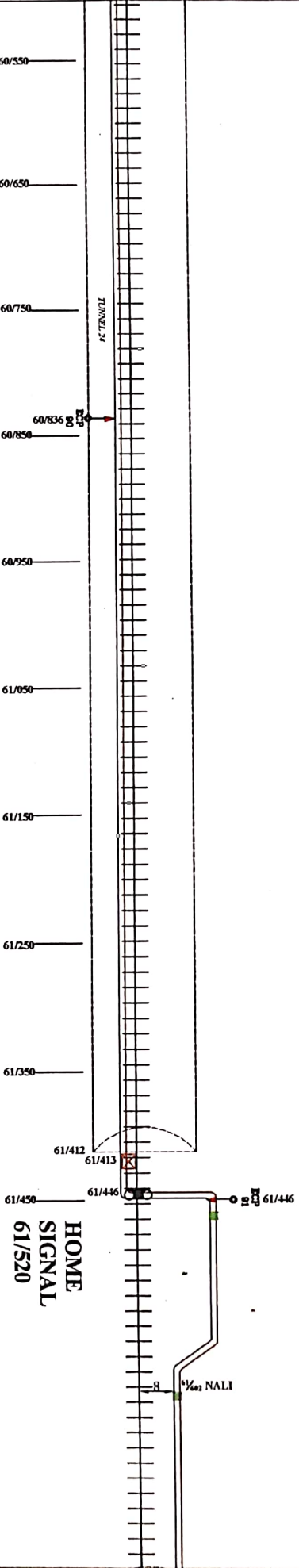
AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
O.F.C CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN
SHEET NO:6



AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SV DK)

UDHAMPUR
↑

KATRA
↘



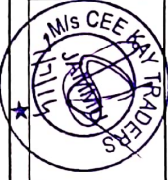
REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

LEGEND

- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- OFC LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⊘ CULVERT
- BRIDGE

NORTHERN RAILWAY

MS CEE KAY TRADERS OPPOSITE SHEELA HOSPITAL DEL. KUMHAMPUR BTE P.O. 18001 JAMMU & KASHMIR	JE/TE/ASBRL	SS/TE/ASBRL	EST/ASBRL/AT	DR/CT/ASBRL/AT
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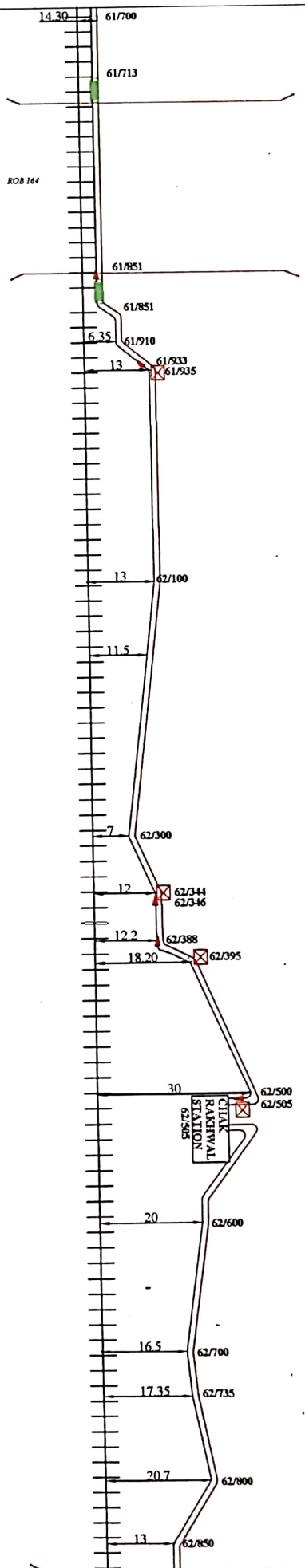


AS BUILT DRAWING UDHAMPUR-KATRA(SV DK)
SECTION: UDHAMPUR-KATRA
SHEET NO: 7
O.F. CABLE (24/7) & 6 QUAD CABLE LAYOUT PLAN

AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
→



LEGEND

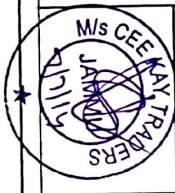
- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DWC
- QUAD CABLE LAID IN DWC
- ⊙ EMERGENCY SOCKET
- ⊙ QUAD JOINT
- ⊙ CULVERT
- ⊙ BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DWC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

M/S CEE KAY TRADERS OPPOSITE SHEELA HOSPITAL DUL, KUNAWAN BYE PASS ROAD, JAMMU (J&K)-18001	M/S CEE KAY TRADERS (JAMMU),	JETELUABRL	SEETELUABRL	ESTUABRLAT	DV/CHTELUABRLAT
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AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
O.F.C CABLE(24/7) & 6 QUAD CABLE LAYOUT PLAN
SHEET NO:8

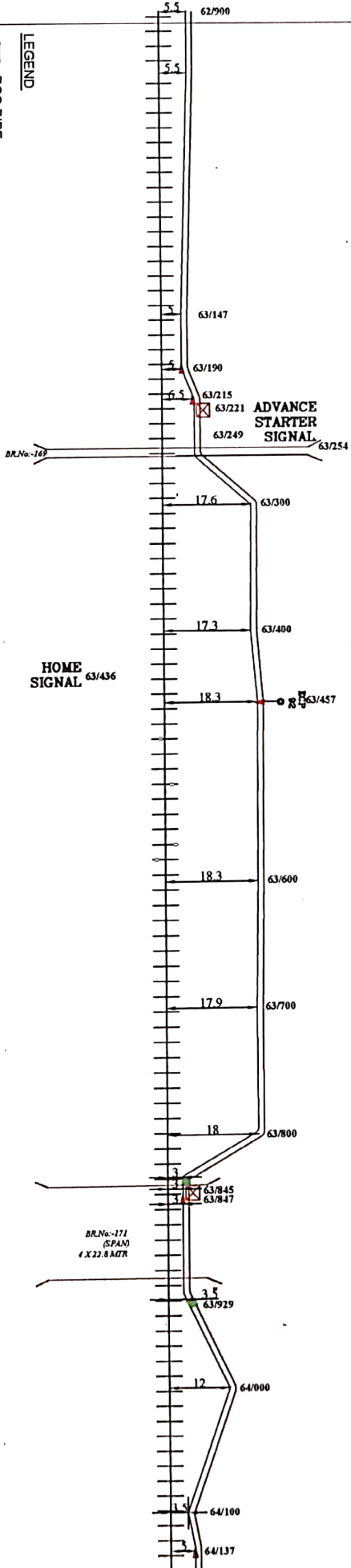


AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
→

62/950
63/050
63/150
63/250
63/350
63/450
63/550
63/650
63/750
63/850
63/950
64/050
64/150



REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

LEGEND

- RCC PIPE
- GI PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⊙ QUAD JOINT
- BRIDGE
- ⊙ CULVERT

NORTHERN RAILWAY

M/S CEE KAY TRADERS
OPPOSITE SHELA HOSPITAL DUL,
KUMAWAN BYE PASS ROAD,
JAMMU (PIN-180011)

M/S CEE KAY TRADERS (JAMMU)
JE/TELEUSRL
SE/TELEUSRL
EST/USBR/LAT
DY/CTE/USBR/LAT

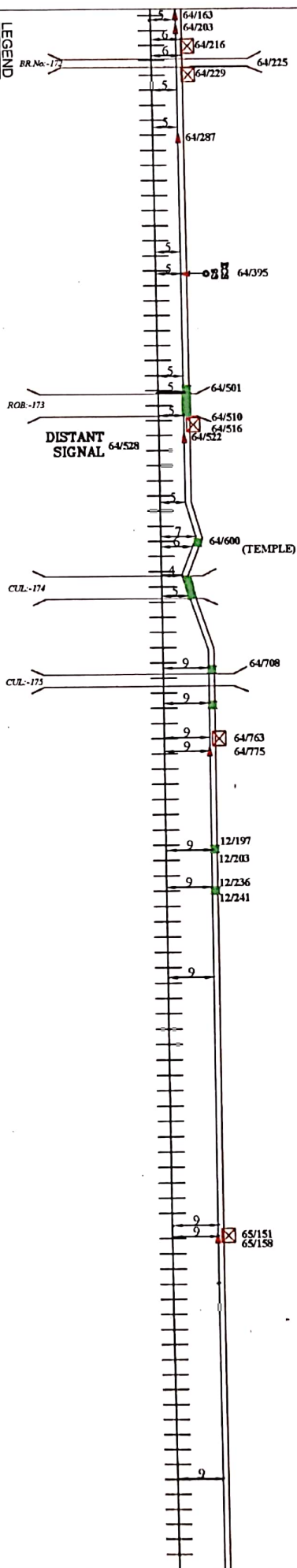
AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
SHEET NO.9
O.F.C CABLE(24F) & QUAD CABLE LAYOUT PLAN



Handwritten signatures and initials in the signature blocks.

UDHAMPUR
↑

KATRA

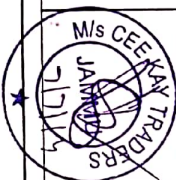


REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAIN IN DWC PIPES IN TUNNEL NOS. 24 & 25

MS CEE KAY TACSGR OFFPRTE BRBLA NEDJAN KUNJANNUY TACSGR TOLN JAMNUY JAKY-190011	<h1>NORTHERN RAILWAY</h1>		
MS CEE KAY TACSGR(JAMNUJ)	JSTFELEUSBRLL	SSE/TELEUSBRLL	ESTFELEUSBRLLAT
			DY CSTELEUSBRLLAT

NORTHERN RAILWAY

AS BUILT DRAWING UDHAMPUR -KATRA(SVDK)
SECTION: UDHAMPUR-KATRA SHEET NO:10
O.F.CABLE(24F) & SQUAD CABLE LAYOUT PLAN

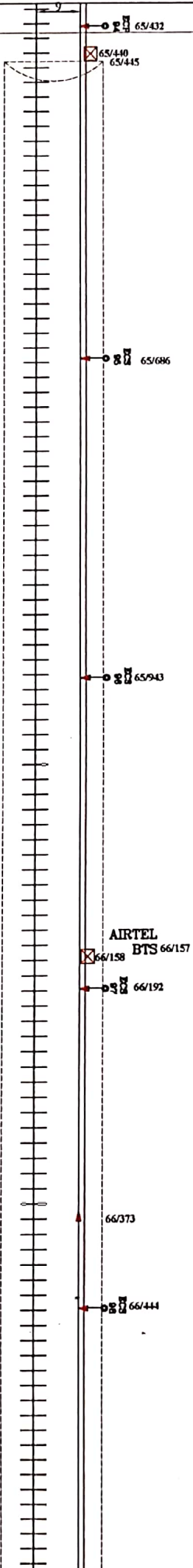


AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
↓

65/450 —
65/550 —
65/650 —
65/750 —
65/850 —
65/950 —
66/050 —
66/150 —
66/250 —
66/350 —
66/450 —
66/550 —
66/650 —



LEGEND

- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⊘ CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAIN IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

MS CEE KAY TRADERS OPPOSITE SHEELA HOSPITAL DILLI KUNAWANI BHE PARS ROAD, JAMMU (JAMMU-180011)				
MS CEE KAY TRADERS (JAMMU)	JET/TELE/SR/L	SSE/TELE/SR/L	EST/USR/L/AT	DY/CTE/USR/L/AT

AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)

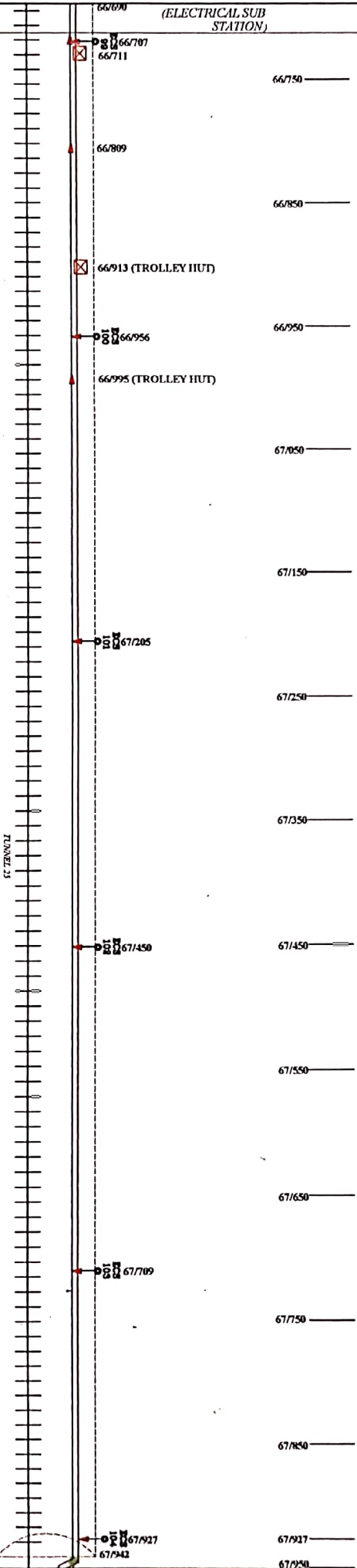
SECTION: UDHAMPUR-KATRA
SHEET NO:11
O.F.C CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN



AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR
↑

KATRA
→



LEGEND

- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F. C LAID IN DWC
- QUAD CABLE LAID IN DWC
- EMERGENCY SOCKET
- CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DWC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

M/S CEE KAY TRADERS
OPPOSITE KUNAWAN PVT. ROAD,
JAMSHEDPUR-831001

JET/ELV/SBRL

SSE/ELV/SBRL

EST/ELV/SBRL

DY CTE/ELV/SBRL

AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)

SECTION: UDHAMPUR-KATRA

SHEET NO.12

O.F. CABLE(24F) & 6QUAD CABLE LAYOUT PLAN

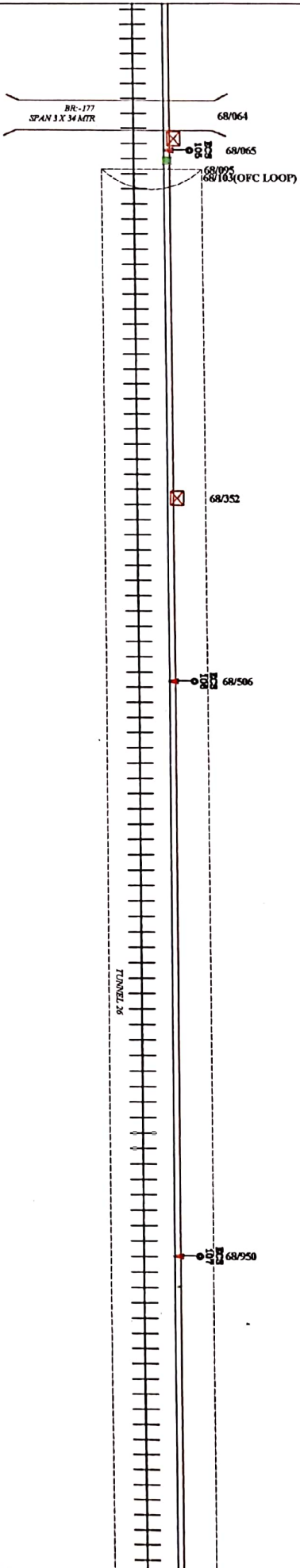


AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SYDK)

UDHAMPUR
↑

KATRA
↓

68/050
68/103
68/150
68/250
68/350
68/450
68/550
68/650
68/750
68/850
68/950
69/050
69/150



LEGEND

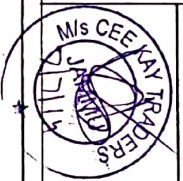
- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⊢ QUAD JOINT
- ⊢ CULVERT
- ⊢ BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

M/S CEE KAY TRADERS OPERATE & MAINTAIN KULHAWAN BETAAS ROAD JAMMU (940-18011)	JCT/EL/USRL	SSE/EL/USRL	EST/EL/USRL	DT/EL/USRL
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AS BUILT DRAWING UDHAMPUR-KATRA(SYDK)
SECTION: UDHAMPUR-KATRA
SHEET NO.13
O.F.CABLE(24F) & 6QUAD CABLE LAYOUT PLAN

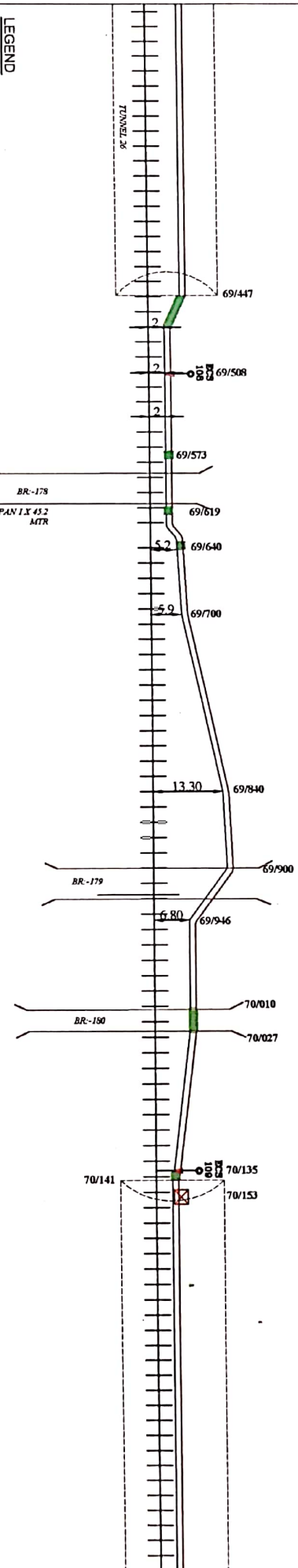


AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SV DK)

UDHAMPUR

KATRA

69/250
69/350
69/450
69/550
69/650
69/750
69/850
69/950
70/050
70/150
70/250
70/350
70/450



REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

LEGEND

- RCC PIPE
- G.I PIPE
- ⊠ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⊘ QUAD JOINT
- ⊘ CULVERT
- BRIDGE

NORTHERN RAILWAY

MS CEE KATRA (SVDK) OPERATE & MAINTAIN KUNAWAN RYE PASS ROAD, JAMMU (440-18011)	JE/ELASBR/L	SE/ELASBR/L	EST/ELASBR/L	DT/ELASBR/L
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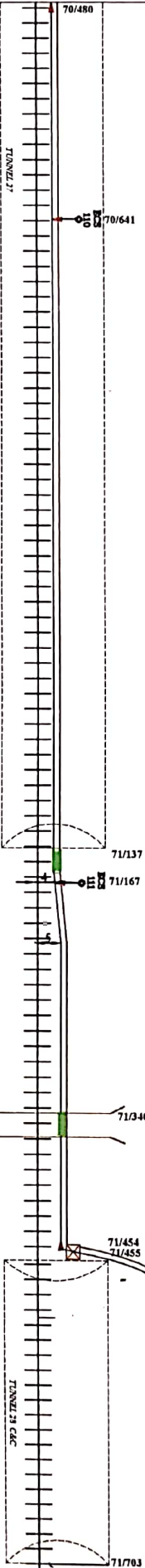
AS BUILT DRAWING UDHAMPUR - KATRA(SV DK)
SECTION: UDHAMPUR-KATRA
O.F.C CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN
SHEET NO.14



AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR

KATRA



LEGEND

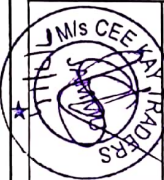
- RCC PIPE
- G.I PIPE
- OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- EMERGENCY SOCKET
- CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 24,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

MS CEE KATRA TRADERS OPERATE FROM KUNJAWAN BTE PASS ROAD JAMMU (445-18001)	JE/TE/ASBRL	SS/TE/ASBRL	ET/TE/ASBRL	DT/CT/TE/ASBRL
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AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
SHEET NO:15
O.F.C CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN



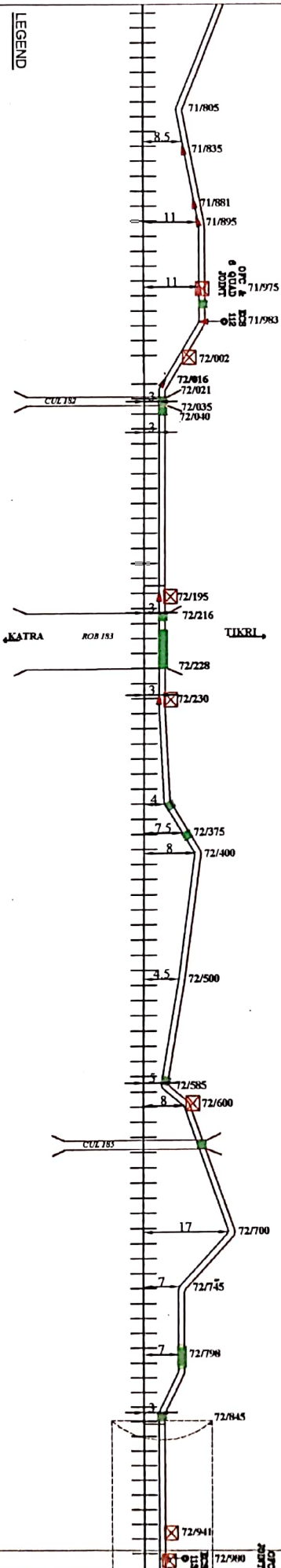
AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR

KATRA

71/750
71/850
71/950
72/050
72/150
72/250
72/350
72/450
72/550
72/650
72/750
72/850
72/950

ARMY AREA



LEGEND

- RCC PIPE
- G.I PIPE
- OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ▲ CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)

SECTION: UDHAMPUR-KATRA

SHEET NO:16

O.F.CABLE(24F) & QUAD CABLE LAYOUT PLAN

M/S CEE KAY TRADERS
OPPOSITE SHEELA HOSPITAL DUL
KULAMMANI BYE PASS ROAD,
JAMMU (J&K)-180011

M/S CEE KAY TRADERS (JAMMU)

JR/TELEASRNL

SR/TELEASRNL

EST/ASRNLAT

DR/CAST/ASRNLAT



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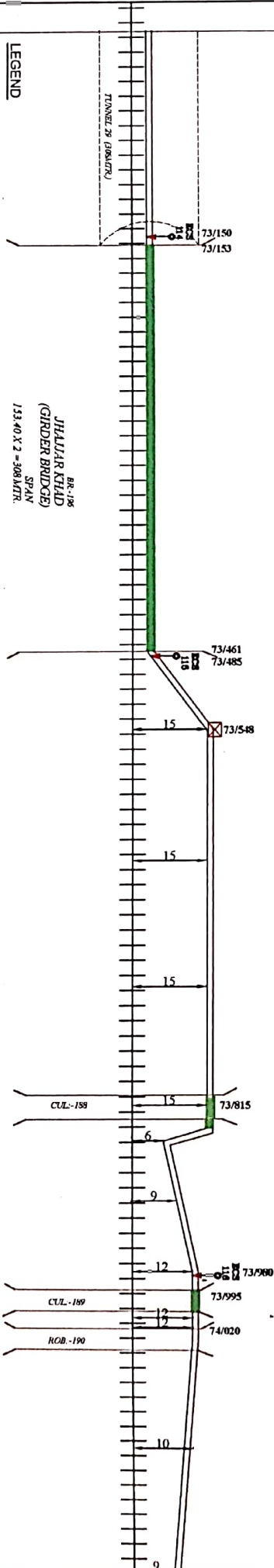
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AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR

KATRA

73/050
73/150
73/250
73/350
73/450
73/550
73/650
73/750
73/850
73/950
74/050
74/150



REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21,22,23,26,27,29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
SHEET NO:17
O.F.C CABLE(24P) & 6 QUAD CABLE LAYOUT PLAN

M/S CEE MAY TRADERS
OPPOSITE SHEELA HOSPITAL, DUL
KUNAWAN BYE PASS ROAD,
JAMSHEDPUR-831001

M/S CEE MAY TRADERS, JAMMU
J/TELEASRUL

S/TELEASRUL

E/TEASRULAT

D/ CATEASRULAT

M/S CEE MAY TRADERS
OPPOSITE SHEELA HOSPITAL, DUL
KUNAWAN BYE PASS ROAD,
JAMSHEDPUR-831001

M/S CEE MAY TRADERS, JAMMU
J/TELEASRUL

S/TELEASRUL

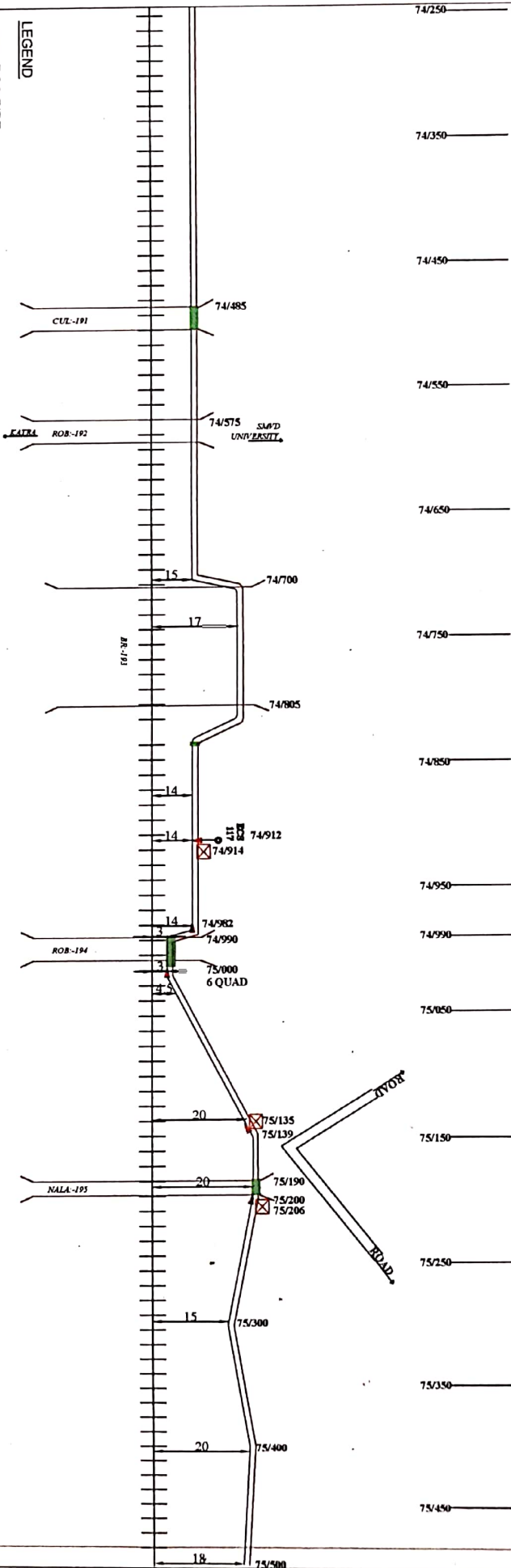
E/TEASRULAT

D/ CATEASRULAT

AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SV DK)

UDHAMPUR

KATRA

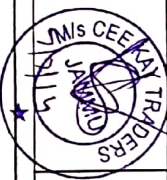


REMARKS - 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DWG PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

UDHAMPUR	SECTELABRIL	ESTELABRIL	DY. COTELABRIL
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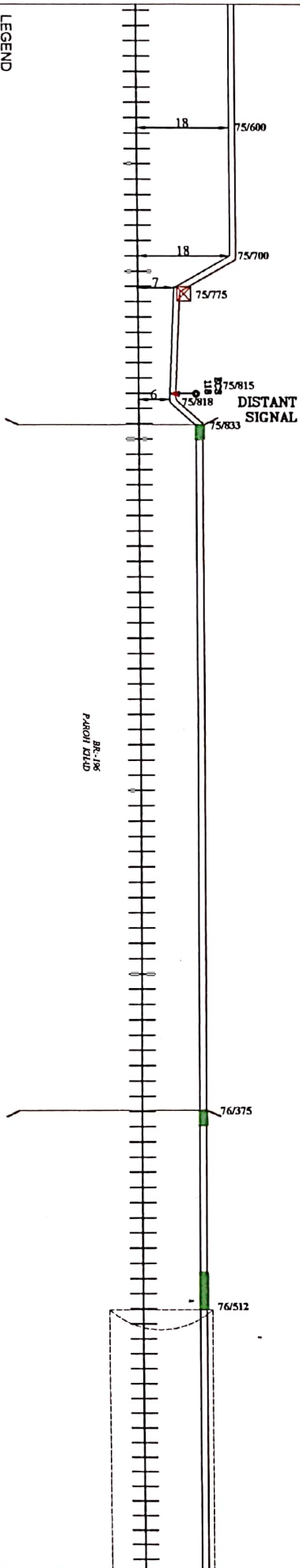
AS BUILT DRAWING UDHAMPUR -KATRA(SV DK)
SECTION: UDHAMPUR-KATRA
SHEET NO: 18
O.F.CABLE(247) & 6 QUAD CABLE LAYOUT PLAN



AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SV DK)

UDHAMPUR
↑

KATRA
↓



LEGEND

- RCC PIPE
- GI PIPE
- ⊗ OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- ⊙ EMERGENCY SOCKET
- ⊗ CULVERT
- BRIDGE

REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 21, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DMC PIPES IN TUNNEL NOS. 24 & 25.

NORTHERN RAILWAY

AS BUILT DRAWING UDHAMPUR-KATRA(SV DK)

SECTION: UDHAMPUR-KATRA SHEET NO.19

O.F.C CABLE(24F) & 6 QUAD CABLE LAYOUT PLAN

M/S GEE KAY TRADERS
OPERATE IN THE NAME OF
KUNHAMMAN BIRE PAH ROAD
JAMNUL/4001-10011

JR/TELEASBL

SSE/TELEASBL

EST/TELEASBL

DY CSE/TELEASBL



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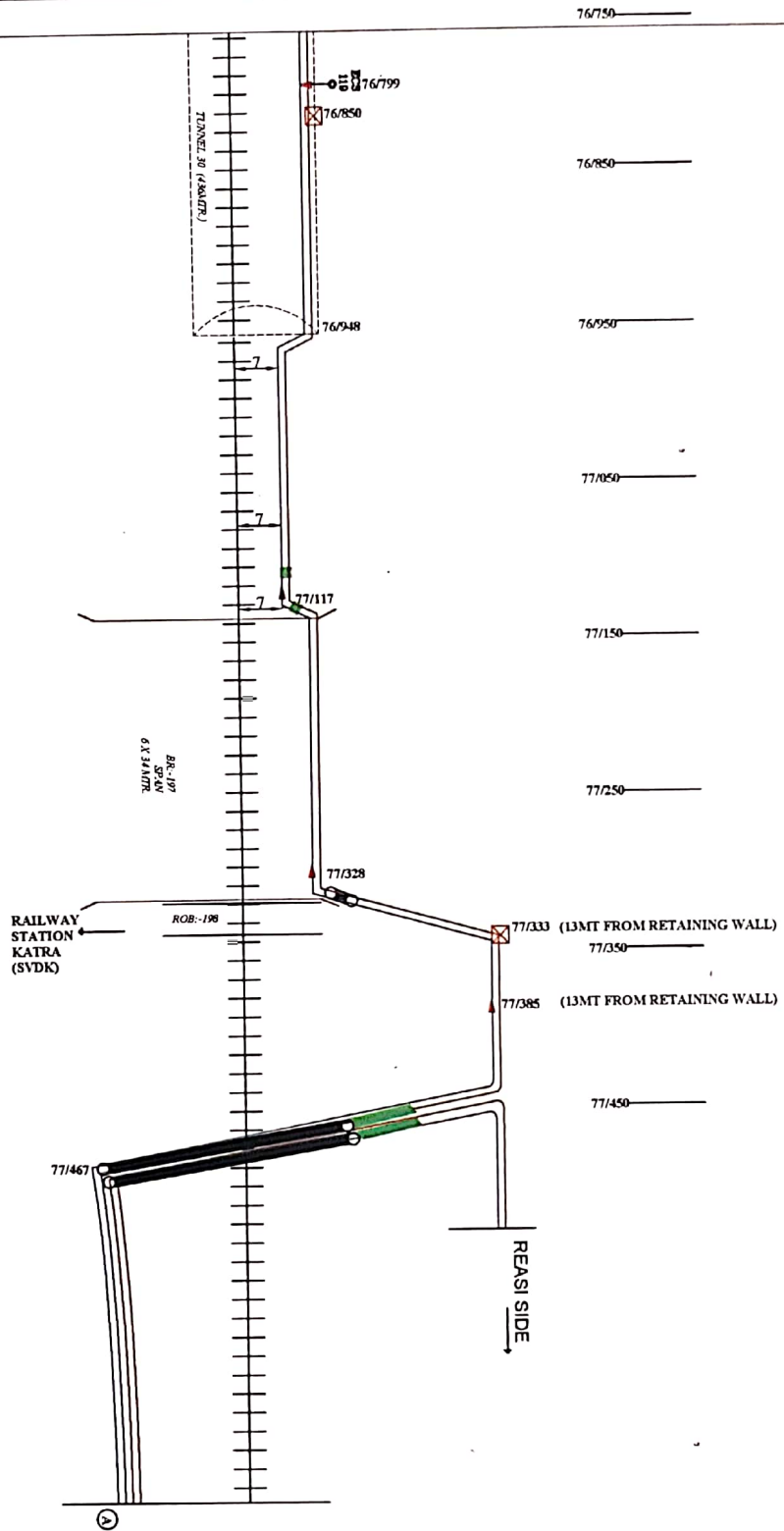
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AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

UDHAMPUR

KATRA



LEGEND

- RCC PIPE
- G.I PIPE
- OFC JOINT CHAMBER
- O.F.C LAID IN DMC
- QUAD CABLE LAID IN DMC
- EMERGENCY SOCKET
- QUAD JOINT
- CULVERT
- BRIDGE

NORTHERN RAILWAY

AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
SHEET NO.20
O.F.C CABLE(747) & QUAD CABLE LAYOUT PLAN

MS CEE KAY TRADER
OPERATE IN THE NAME OF
KATRA (SVDK) ROAD
JAMMU-KATRA-180011

MS CEE KAY TRADER (JAMMU)

JE/TE/US/RL

SE/TE/US/RL

EST/US/RL/UNT

DT/CAST/US/RL/UNT



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AS BUILT DRAWING OF OFC & QUAD CABLE ROUTE UDHAMPUR-KATRA(SVDK)

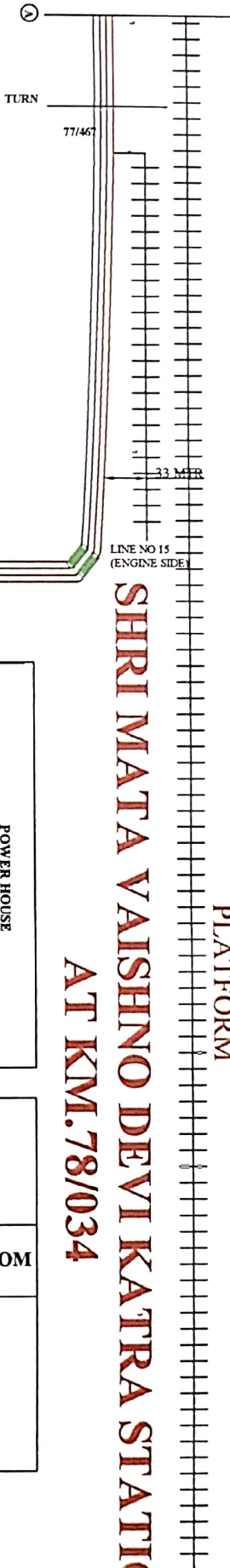
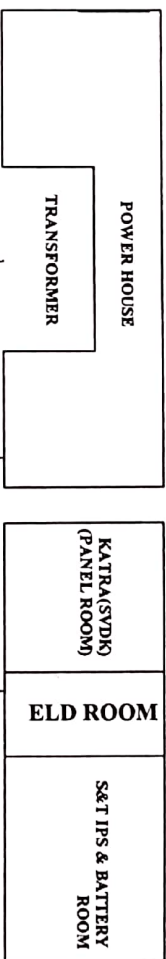
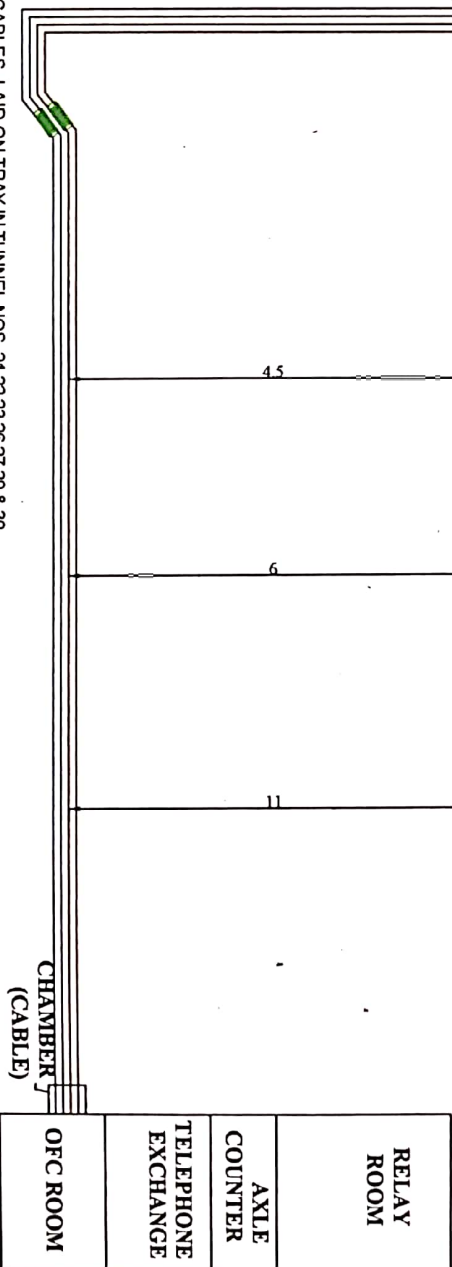
UDHAMPUR

REASI

PLATFORM

SHRI MATA VAISHNO DEVI KATRA STATION

AT KM.78/034



REMARKS- 1. OFC & 6 QUAD CABLES LAID ON TRAY IN TUNNEL NOS. 24, 22, 23, 26, 27, 29 & 30.
2. OFC & 6 QUAD CABLES LAID IN DWG PIPES IN TUNNEL NOS. 24 & 25.

LEGEND

- RCC PIPE
- GI PIPE
- OFC JOINT CHAMBER
- O.F.C LAID IN DWG
- QUAD CABLE LAID IN DWG
- EMERGENCY SOCKET
- CULVERT
- BRIDGE

NORTHERN RAILWAY

MS CEE KATRA TRADERS
OPERATE FROM 10/01/2001
KUNJAWAN BYE PASS ROAD
JAMMU (J&K)-180011

MS CEE KATRA TRADERS (J&K)	J/TELE.SBRL	SSE/TELE.SBRL	EST/TELE.SBRL/MT	DY CTE/TELE.SBRL/MT
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AS BUILT DRAWING UDHAMPUR-KATRA(SVDK)
SECTION: UDHAMPUR-KATRA
O.F.C CABLE(24F) & 6QUAD CABLE LAYOUT PLAN
SHEET NO-21

