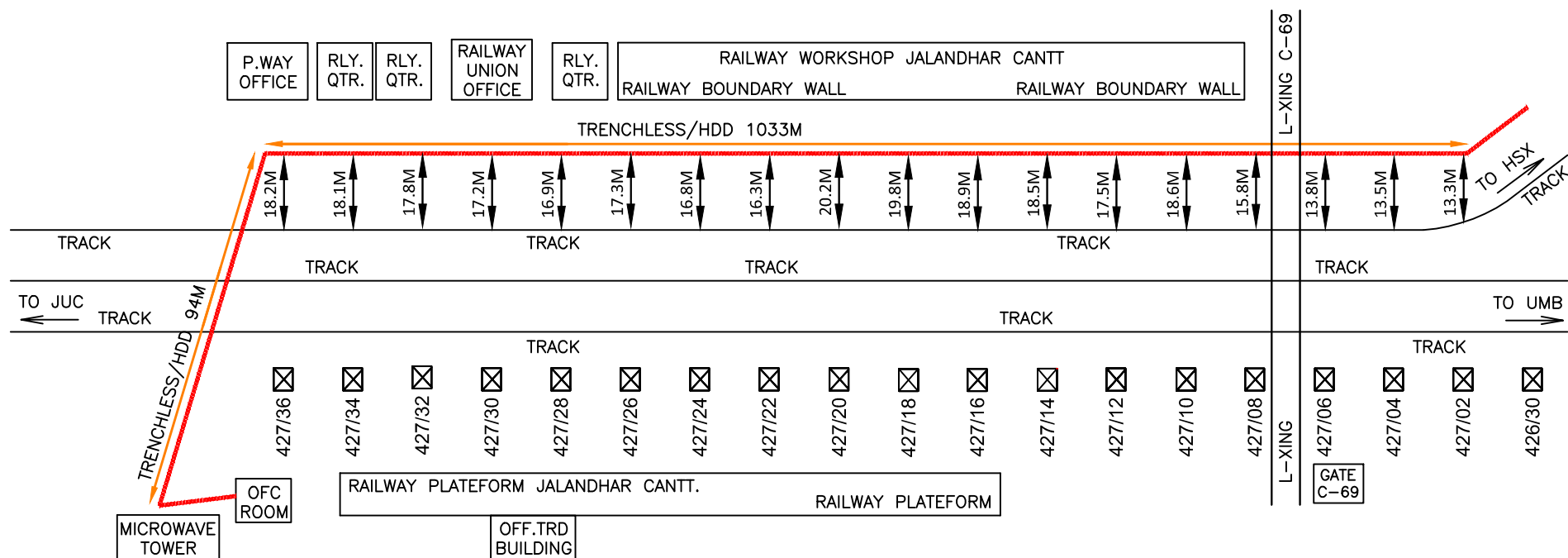


NORTHERN RAILWAY

FINAL CABLE ROUTE PLAN FOR LAYING OF OFC CABLE WORK AT JALANDHAR CANTT. – HOSHIARPUR SECTION OF FIROZPUR DIVISION

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

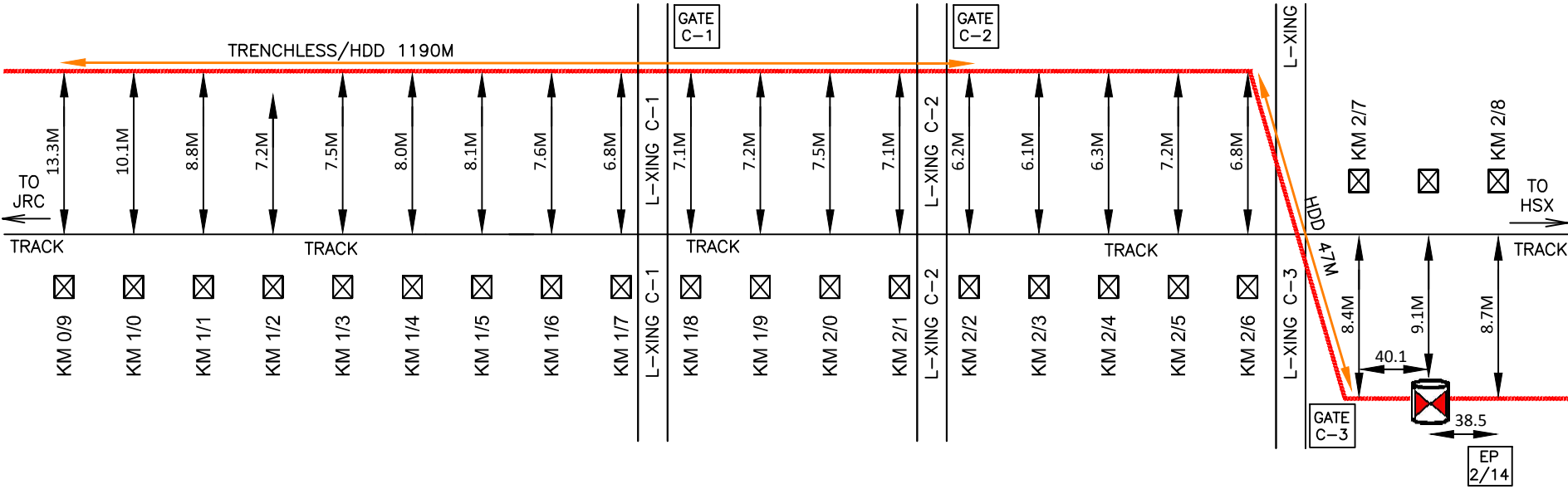


LEGEND:-

- | | |
|---|-------------------------------|
|  | KMS / OHE MAST |
|  | O/T OFFSET FROM NEAREST TRACK |
|  | G.I. / DWG PIPE |
|  | TRENCHLESS/BORING |
|  | 24 FIBER OFC CABLE |
|  | OFC CABLE JOINT |

				NORTHEN RAILWAY
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION SHEET NO.:- 01
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C	SUB-SECTION : JRC - KUPR SECTION
				AGENCY: M/S H.V. CONSTRUCTION CO.

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

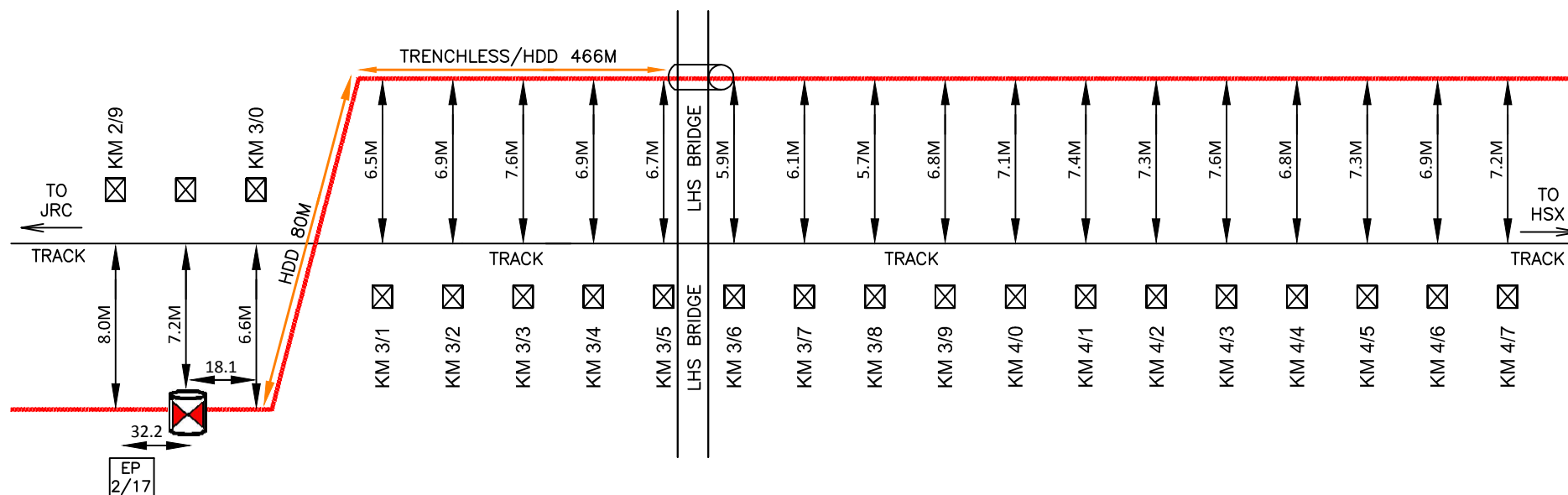


LEGEND:-

-  KMS / OHE MAST
-  O/T OFFSET FROM NEAREST TRACK
-  G.I. / DWC PIPE
-  TRENCHLESS/BORING
-  24 FIBER OFC CABLE
-  OFC CABLE JOINT

NORTHERN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.-: 02			
SUB-SECTION : JRC - KUPR SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

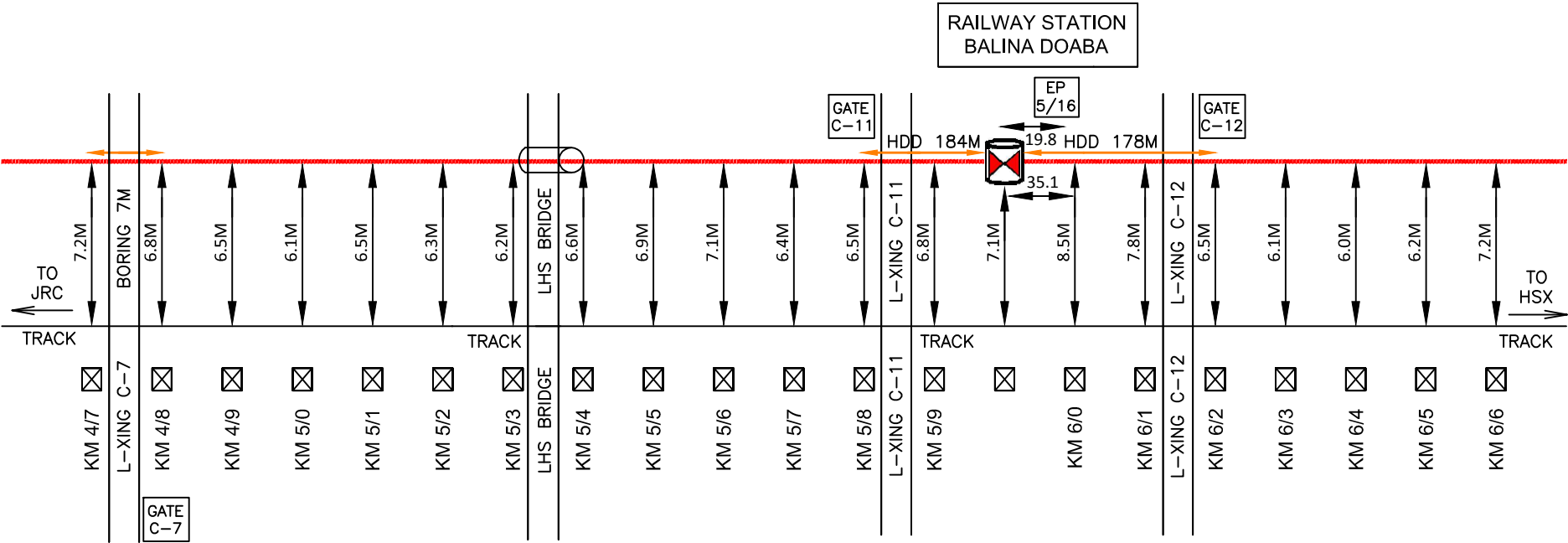


LEGEND:-

- | | |
|---|-------------------------------|
|  | KMS / OHE MAST |
|  | O/T OFFSET FROM NEAREST TRACK |
|  | G.I. / DWC PIPE |
|  | TRENCHLESS/BORING |
|  | 24 FIBER OFC CABLE |
|  | OFC CABLE JOINT |

				NORTHERN RAILWAY
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION SHEET NO.:- 03
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C	SUB-SECTION : JRC - KUPR SECTION
				AGENCY: M/S H.V. CONSTRUCTION CO.

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

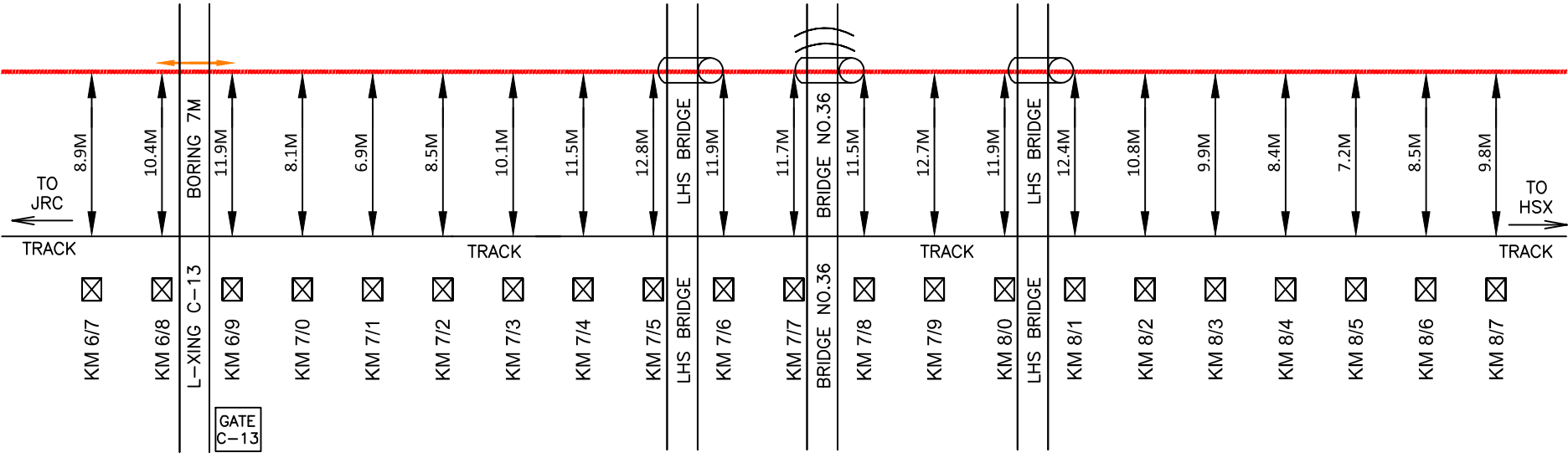


LEGEND:-

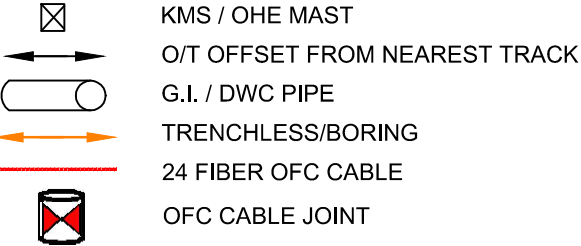
- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 04			
SUB-SECTION : JRC - KUPR SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

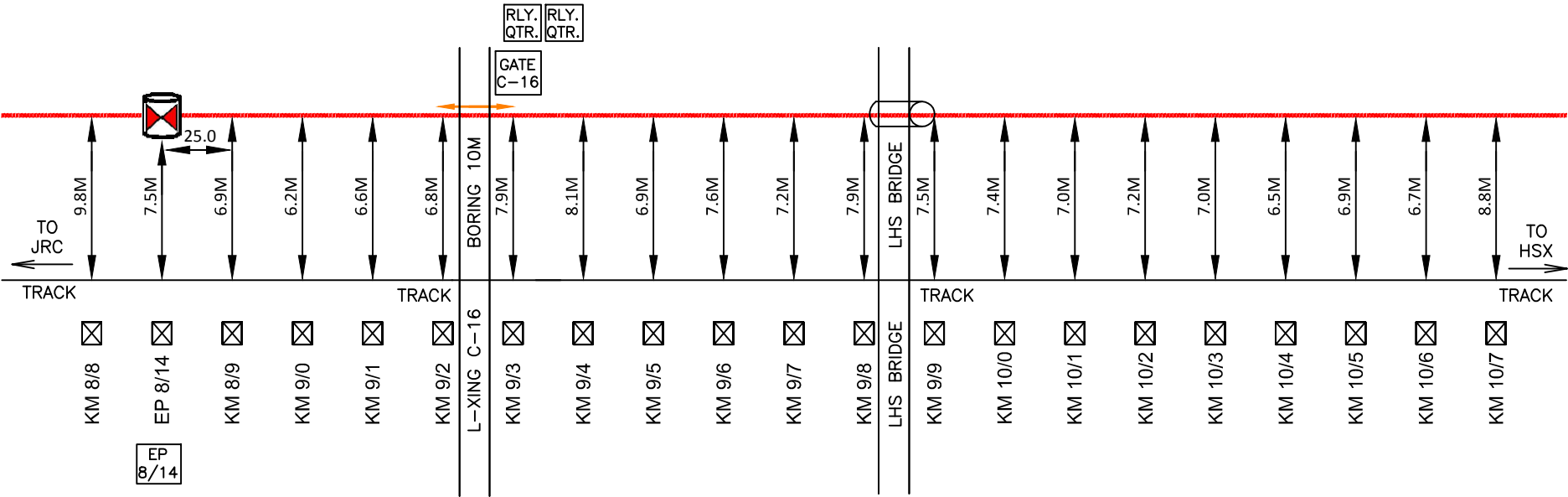


LEGEND:-



NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 05			
SUB-SECTION : JRC - KUPR SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

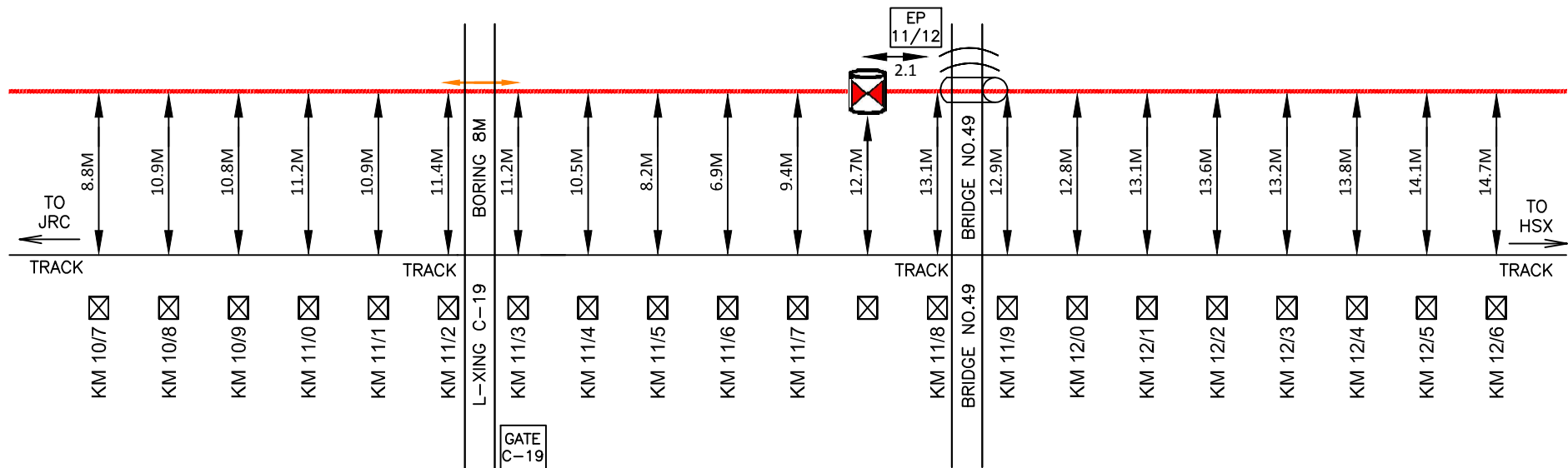


LEGEND:-

-  KMS / OHE MAST
-  O/T OFFSET FROM NEAREST TRACK
-  G.I. / DWC PIPE
-  TRENCHLESS/BORING
-  24 FIBER OFC CABLE
-  OFC CABLE JOINT

				NORTHEN RAILWAY	
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION	
				SHEET NO.:- 06	
				SUB-SECTION : JRC - KUPR SECTION	
				AGENCY: M/S H.V. CONSTRUCTION CO.	
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C		

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

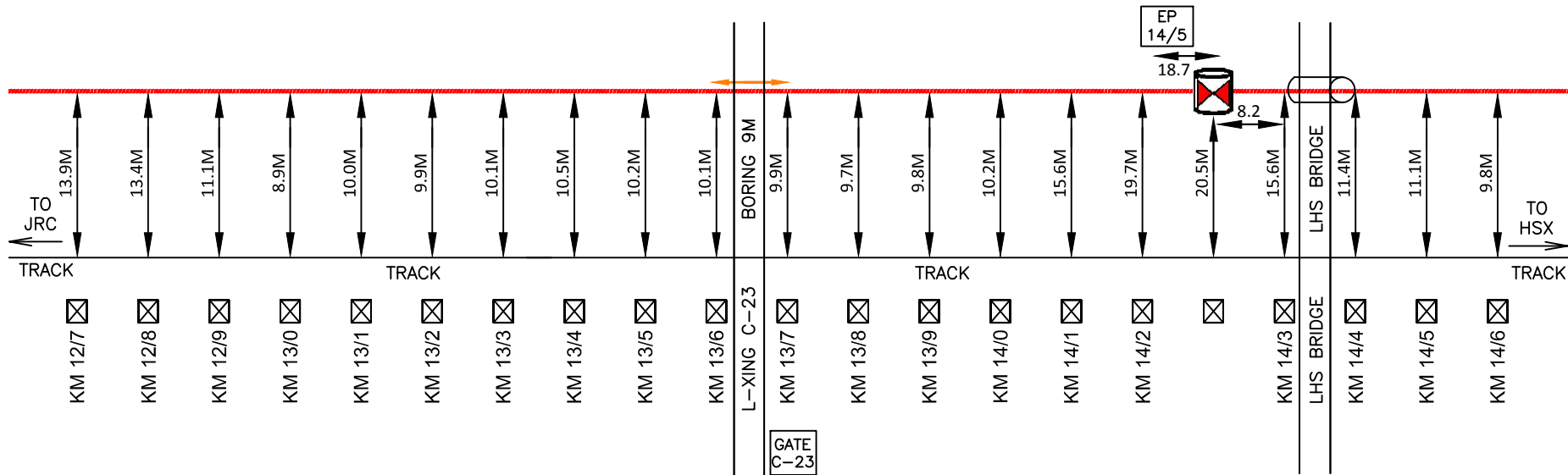


LEGEND:-

-  KMS / OHE MAST
-  O/T OFFSET FROM NEAREST TRACK
-  G.I. / DWC PIPE
-  TRENCHLESS/BORING
-  24 FIBER OFC CABLE
-  OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 07			
SUB-SECTION : JRC - KUPR SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

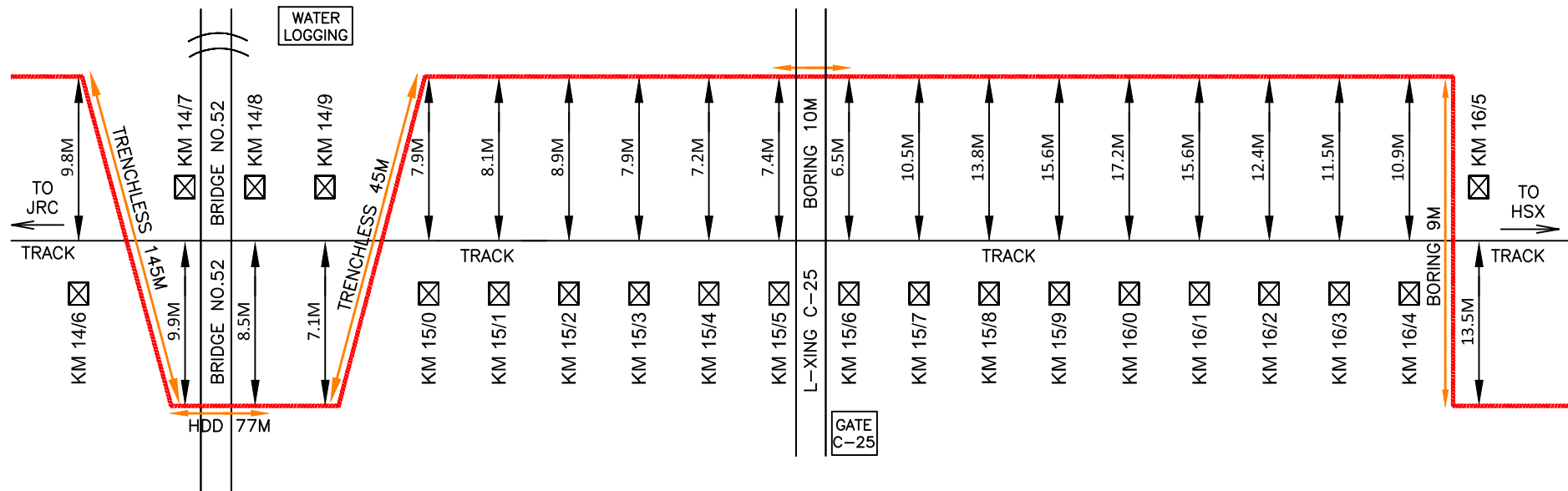


LEGEND:-

- X KMS / OHE MAST
- ↔ O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- ⊠ OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 08			
SUB-SECTION : JRC - KUPR SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

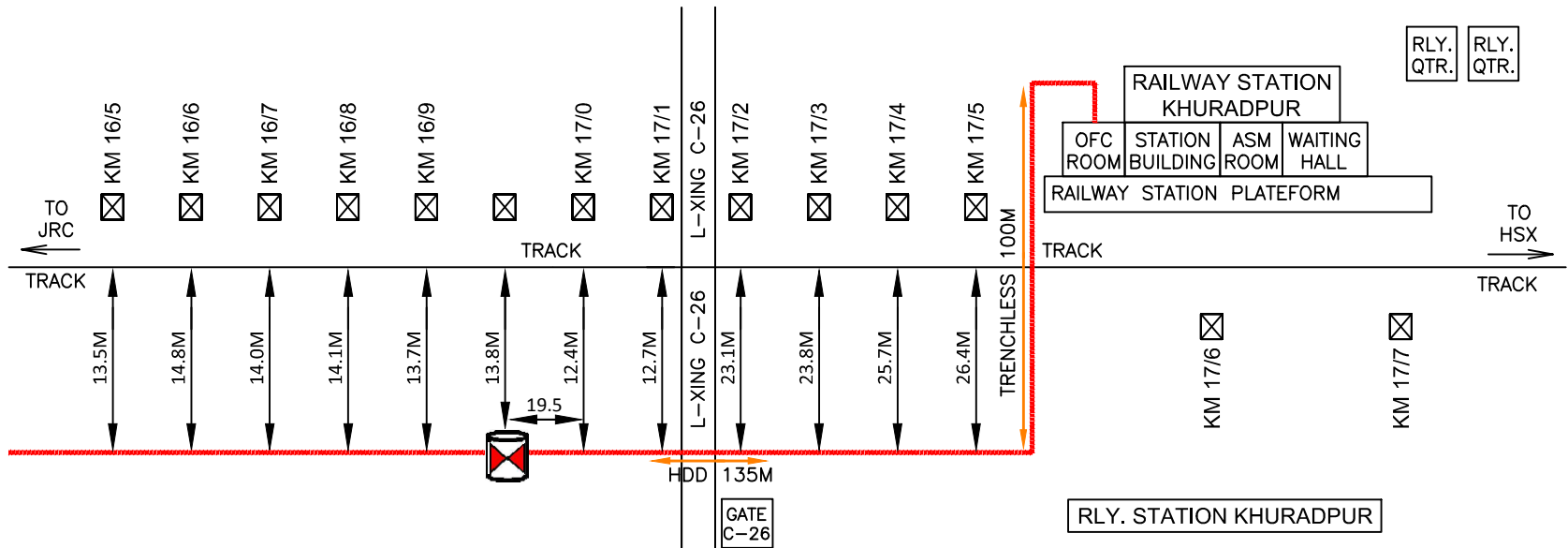


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 09			
SUB-SECTION : JRC - KUPR SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

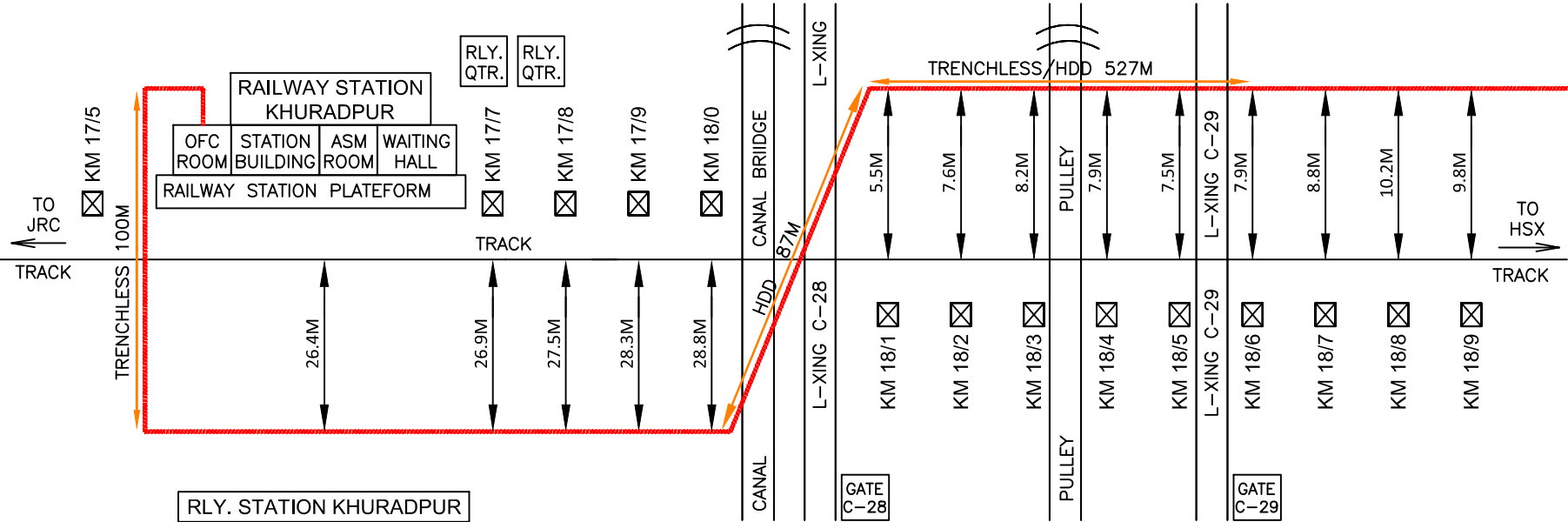


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

				NORTHEN RAILWAY	
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION	
				SHEET NO.:- 10	
				SUB-SECTION : JRC - KUPR SECTION	
				AGENCY: M/S H.V. CONSTRUCTION CO.	
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C		

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

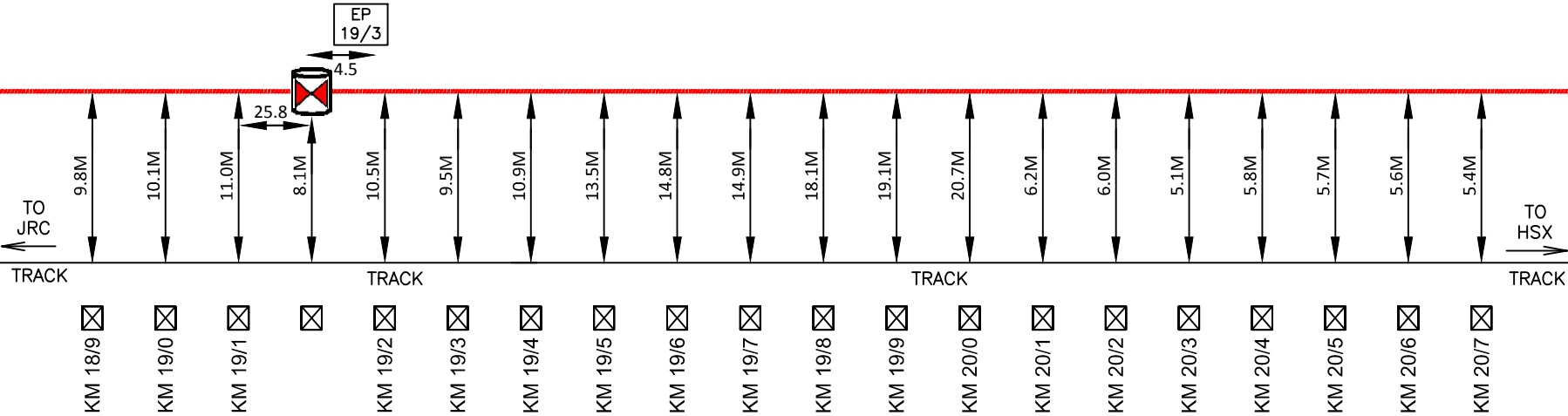


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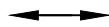
- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 11			
SUB-SECTION : KUPR - NAS SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

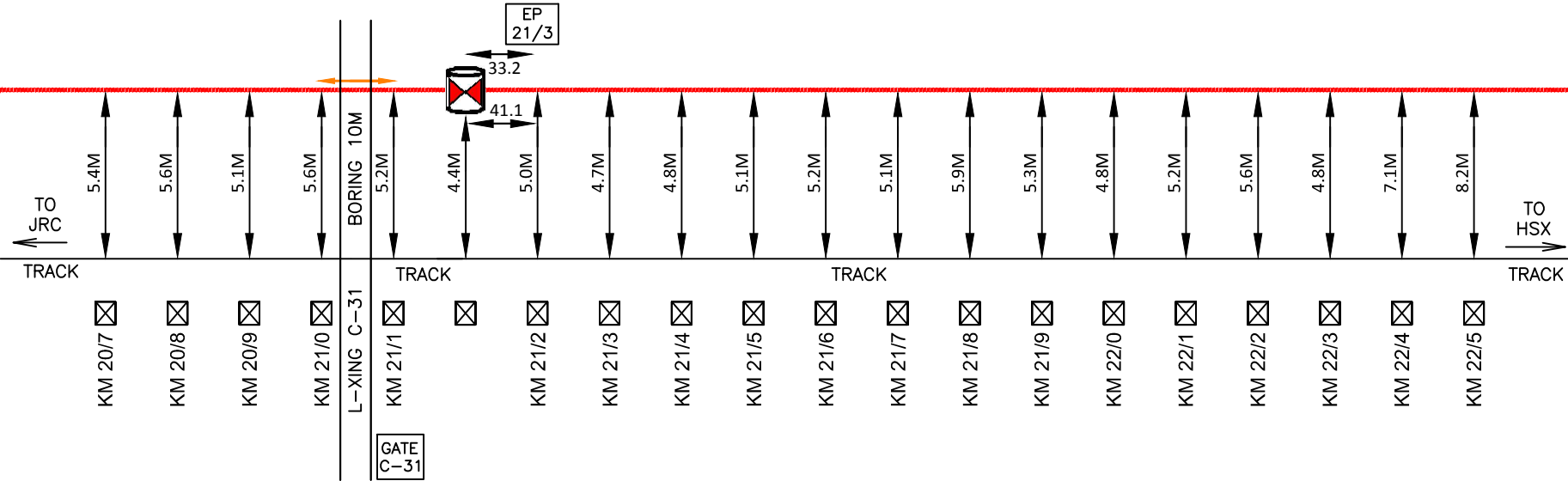


LEGEND:-

-  KMS / OHE MAST
-  O/T OFFSET FROM NEAREST TRACK
-  G.I. / DWC PIPE
-  TRENCHLESS/BORING
-  24 FIBER OFC CABLE
-  OFC CABLE JOINT

				NORTHEN RAILWAY	
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION	
				SHEET NO.:- 12	
				SUB-SECTION : KUPR - NAS SECTION	
				AGENCY: M/S H.V. CONSTRUCTION CO.	
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C		

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

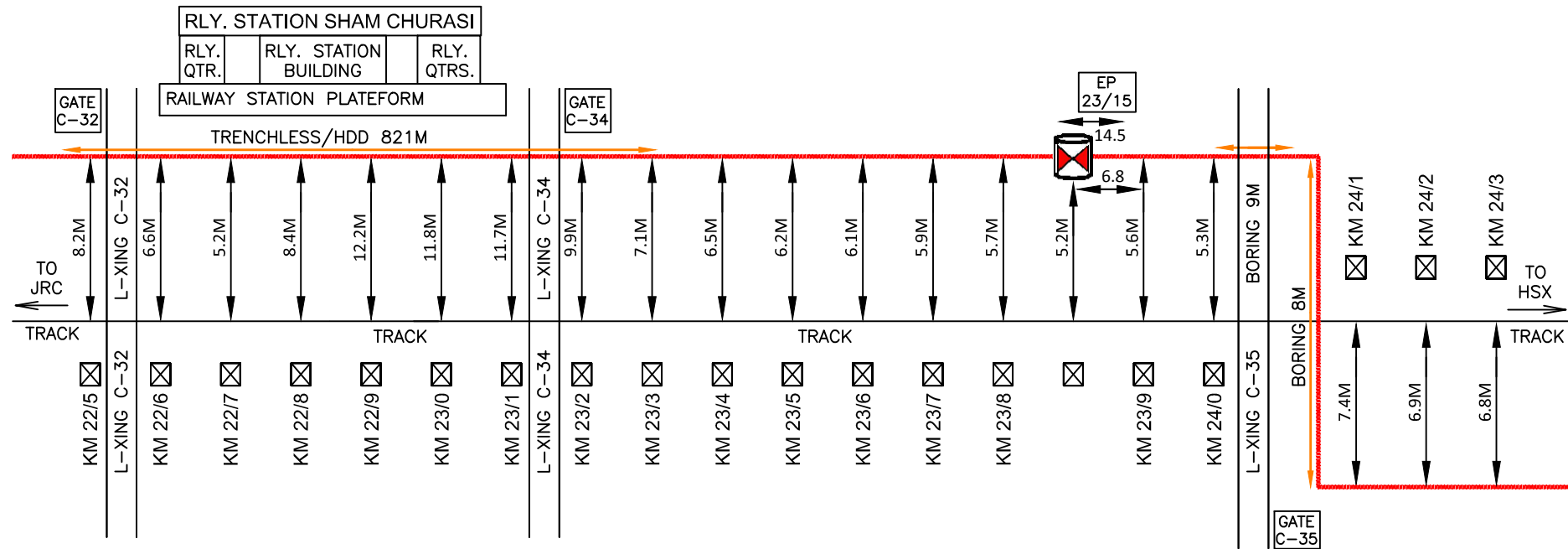


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 13			
SUB-SECTION : KUPR - NAS SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

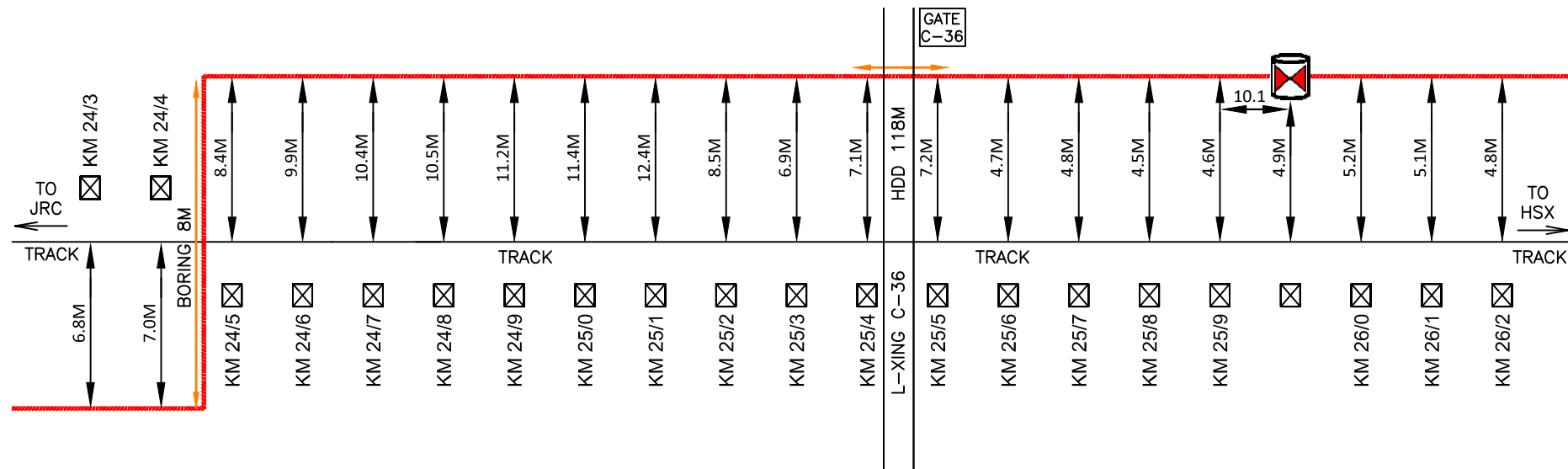


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHERN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 14			
SUB-SECTION : KUPR - NAS SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

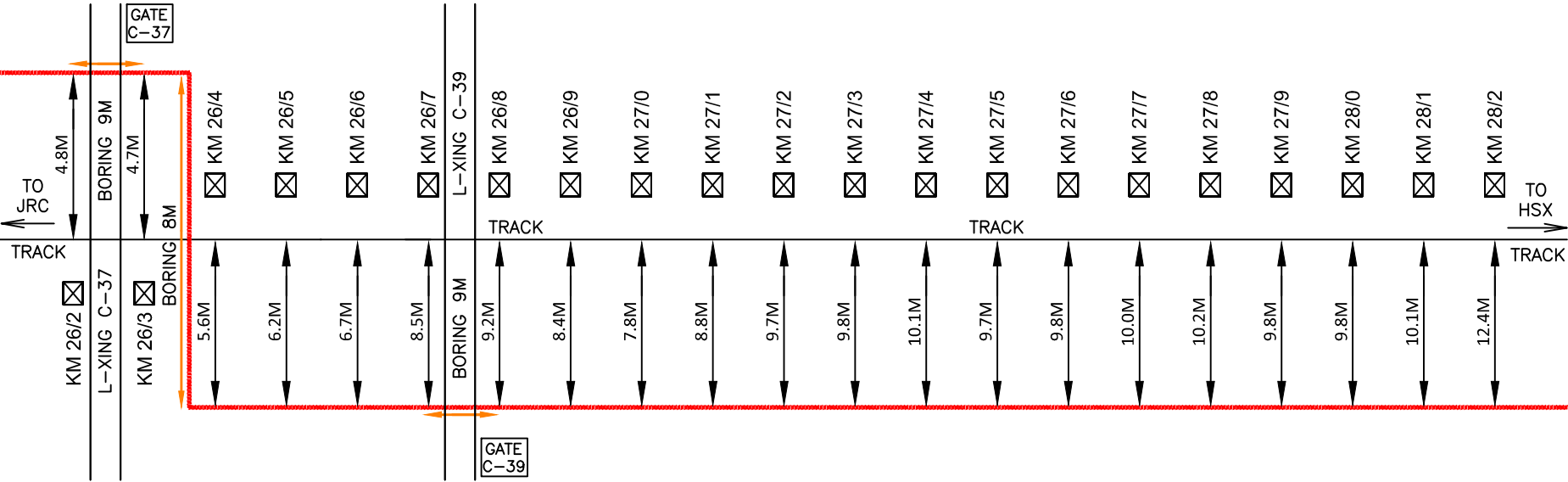


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 15			
SUB-SECTION : KUPR - NAS SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

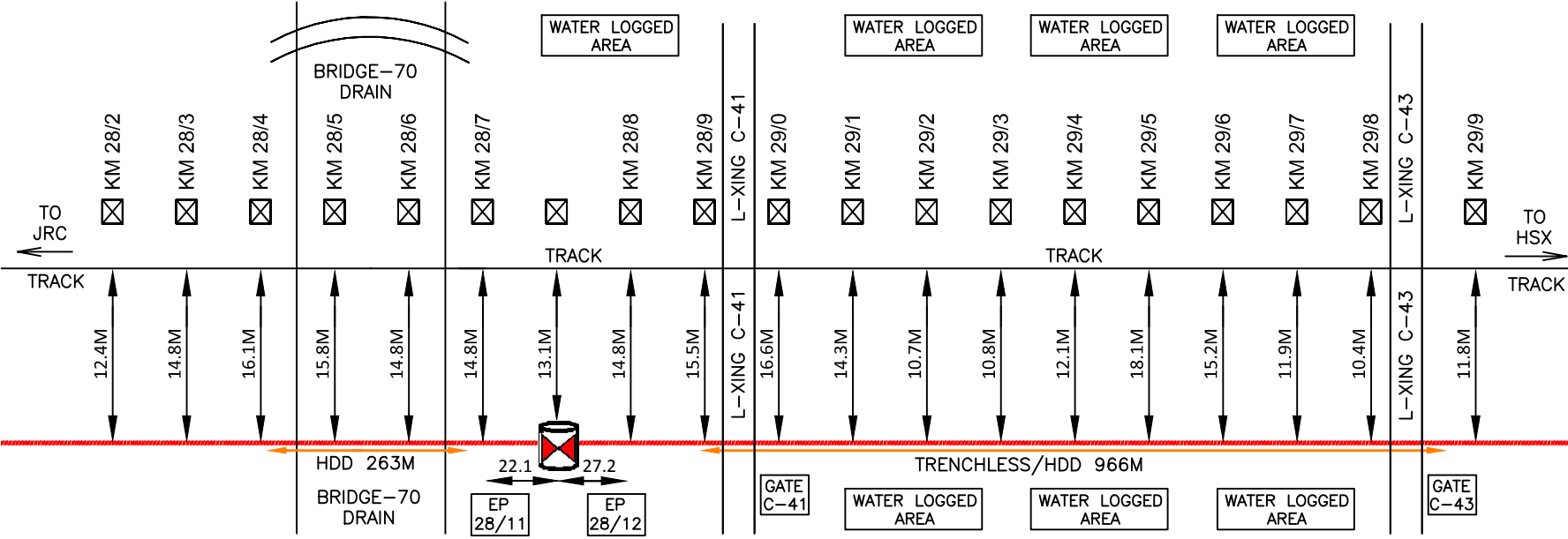


LEGEND:-

-  KMS / OHE MAST
-  O/T OFFSET FROM NEAREST TRACK
-  G.I. / DWC PIPE
-  TRENCHLESS/BORING
-  24 FIBER OFC CABLE
-  OFC CABLE JOINT

				NORTHEN RAILWAY	
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION	
				SHEET NO.: 16	
				SUB-SECTION : KUPR - NAS SECTION	
				AGENCY: M/S H.V. CONSTRUCTION CO.	
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C		

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

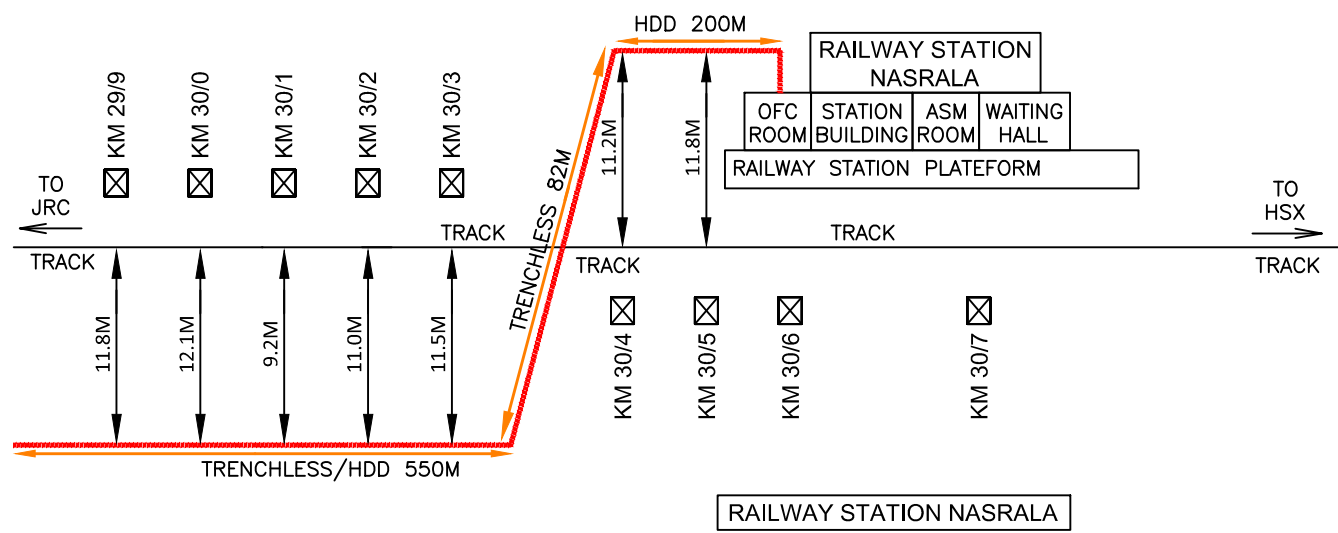


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 17			
SUB-SECTION : KUPR - NAS SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

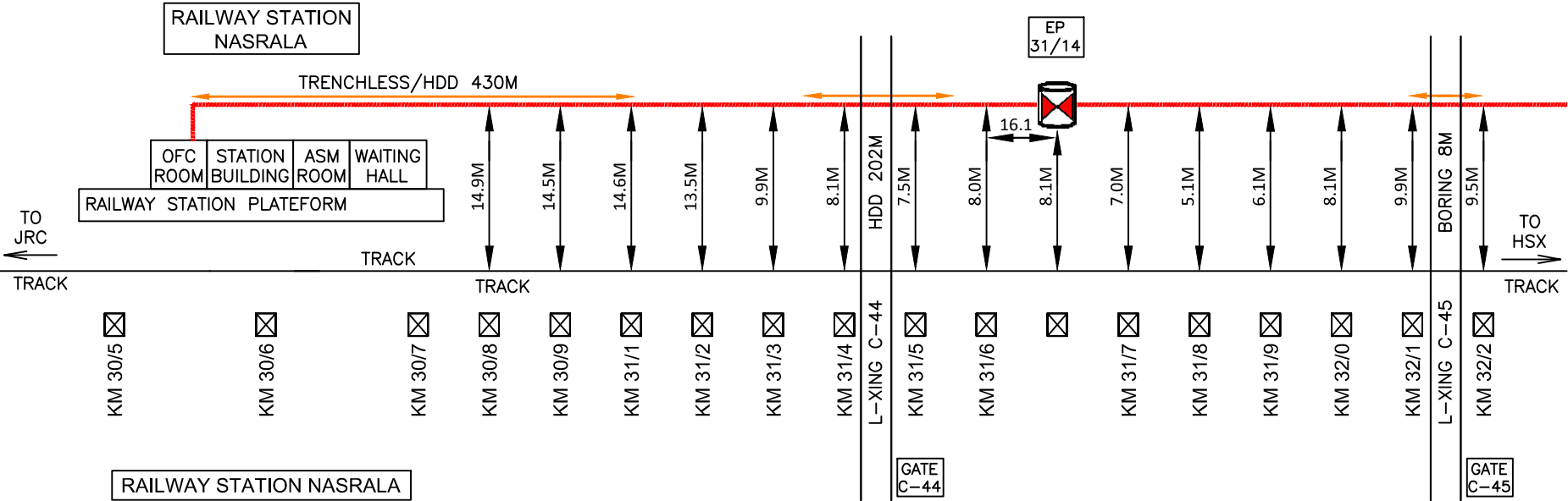


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 18			
SUB-SECTION : KUPR - NAS SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

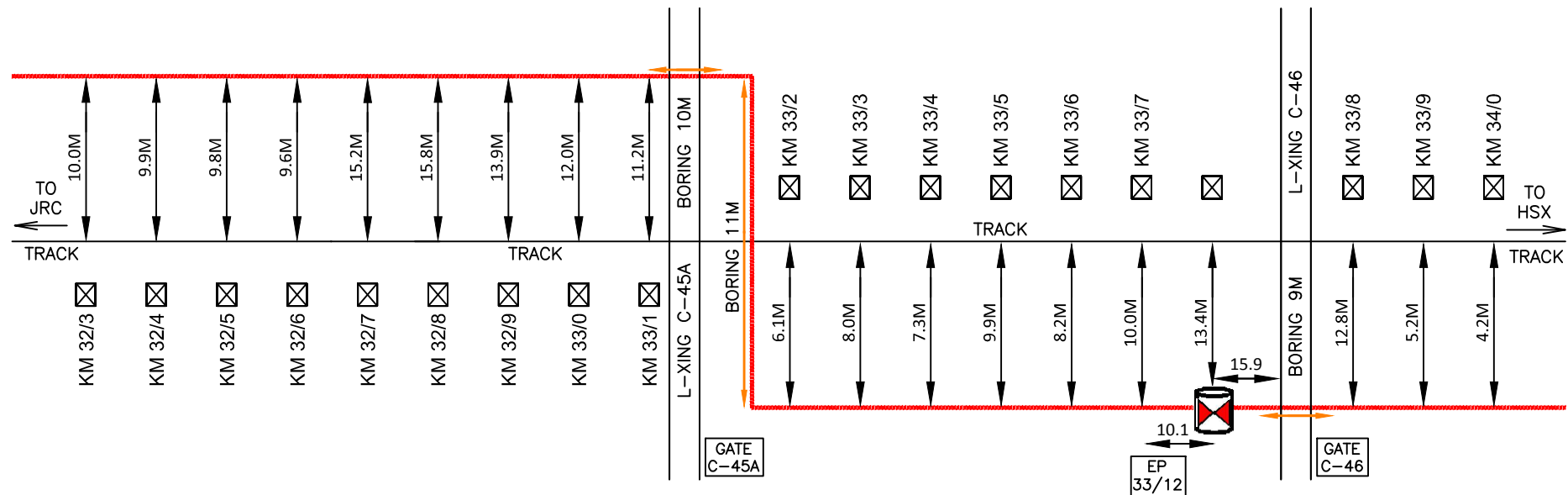


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHERN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 19			
SUB-SECTION : NAS - HSX SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

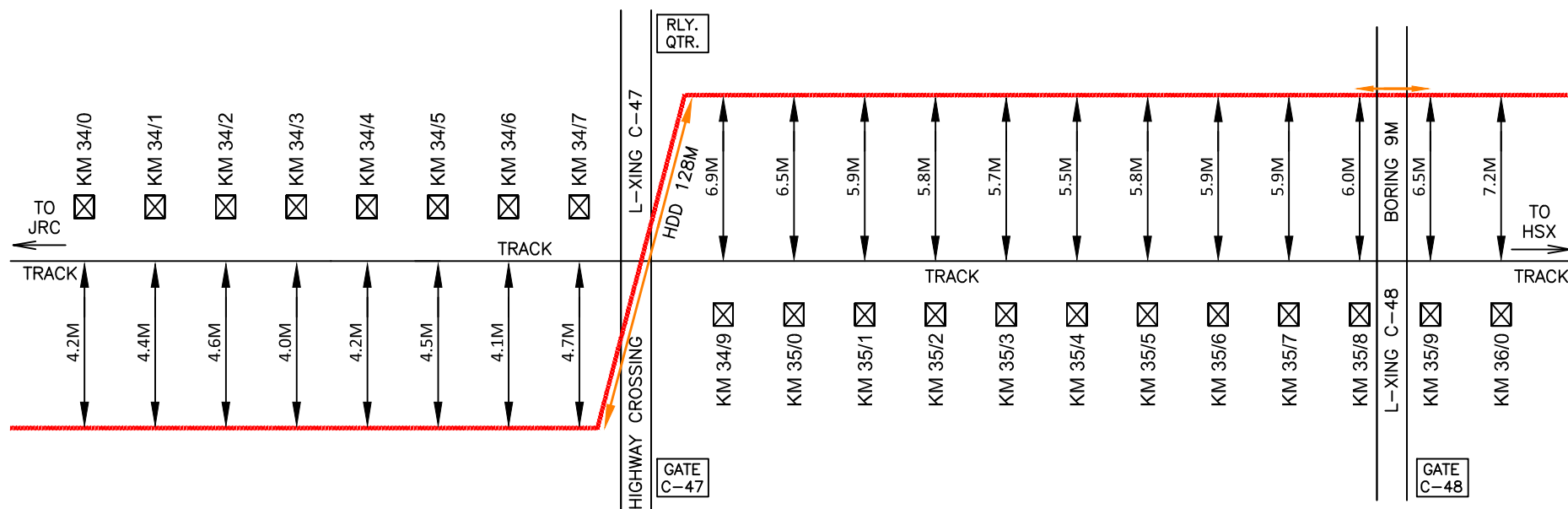


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHERN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.-: 20			
SUB-SECTION : NAS - HSX SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

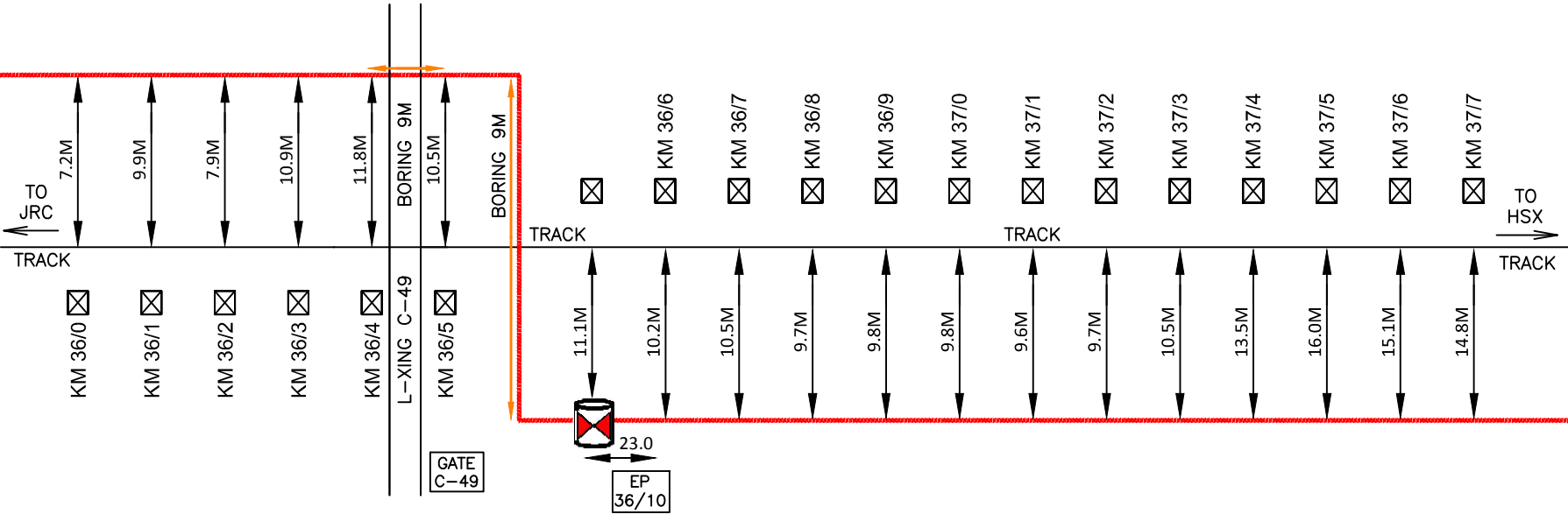


LEGEND:-

- | | |
|---|-------------------------------|
|  | KMS / OHE MAST |
|  | O/T OFFSET FROM NEAREST TRACK |
|  | G.I. / DWG PIPE |
|  | TRENCHLESS/BORING |
|  | 24 FIBER OFC CABLE |
|  | OFC CABLE JOINT |

				NORTHEN RAILWAY
				NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION
				SHEET NO.: - 21
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C	SUB-SECTION : NAS - HSX SECTION
				AGENCY: M/S H.V. CONSTRUCTION CO.

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION

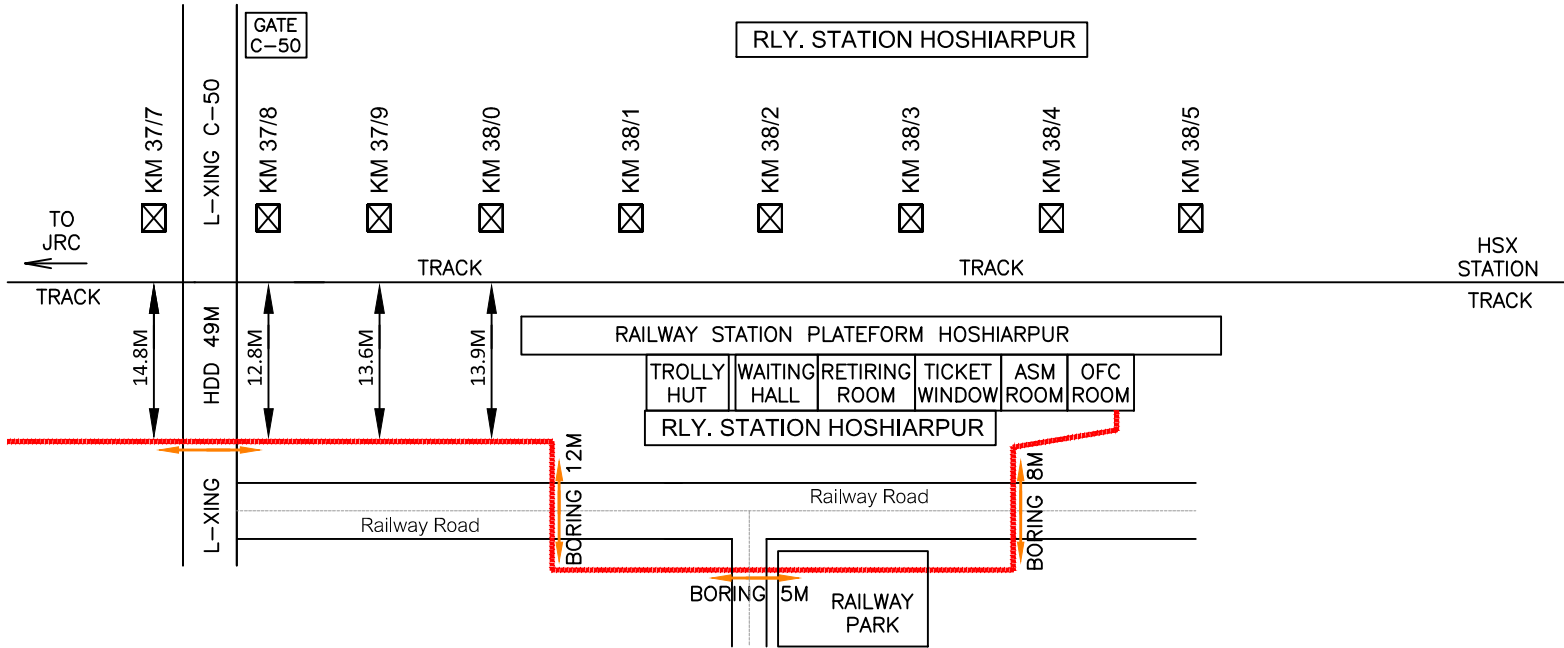


LEGEND:-

- KMS / OHE MAST
- O/T OFFSET FROM NEAREST TRACK
- G.I. / DWC PIPE
- TRENCHLESS/BORING
- 24 FIBER OFC CABLE
- OFC CABLE JOINT

NORTHEN RAILWAY			
NAME OF WORK:- LAYING OF OFC CABLE JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION			
SHEET NO.:- 22			
SUB-SECTION : NAS - HSX SECTION			
AGENCY: M/S H.V. CONSTRUCTION CO.			
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C

OFC CABLE ROUTE PLAN BETWEEN JALANDHAR CANTT. - HOSHIARPUR SECTION OF FIROZPUR DIVISION



LEGEND:-

-  KMS / OHE MAST
-  O/T OFFSET FROM NEAREST TRACK
-  G.I. / DWC PIPE
-  TRENCHLESS/BORING
-  24 FIBER OFC CABLE
-  OFC CABLE JOINT

				NORTHEN RAILWAY	
				NAME OF WORK:- LAYING OF OFC CABLE	
				JALANDHAR CANTT. - HOSHIARPUR	
				SECTION OF FIROZPUR DIVISION	
				SHEET NO.:- 23	
				SUB-SECTION : NAS - HSX SECTION	
				AGENCY: M/S H.V. CONSTRUCTION CO.	
SR. DSTE/ FZR	ADSTE/LDH	SSE/TELE/ JUC	MANAGER H.V.C		