



EAST CENTRAL RAILWAY
SAMASTIPUR DIVISION
MUZAFFARPUR TO SAGAULI

24 F OFC & 6 QUAD ROUTE DIAGRAM OF FOLLOWING SECTION

1. MUZAFFARPUR TO KAPARPURA
2. KANTI TO PIPRAHAN
3. PIPRAHAN TO MOTIPUR
4. MAHWAL TO MEHSI

DRAWN BY:-

BABA PROJECTS PVT. LTD.

2K/74, BARIATU HOUSING COLONY,

BARIATU, RANCHI-9, JHARKHAND

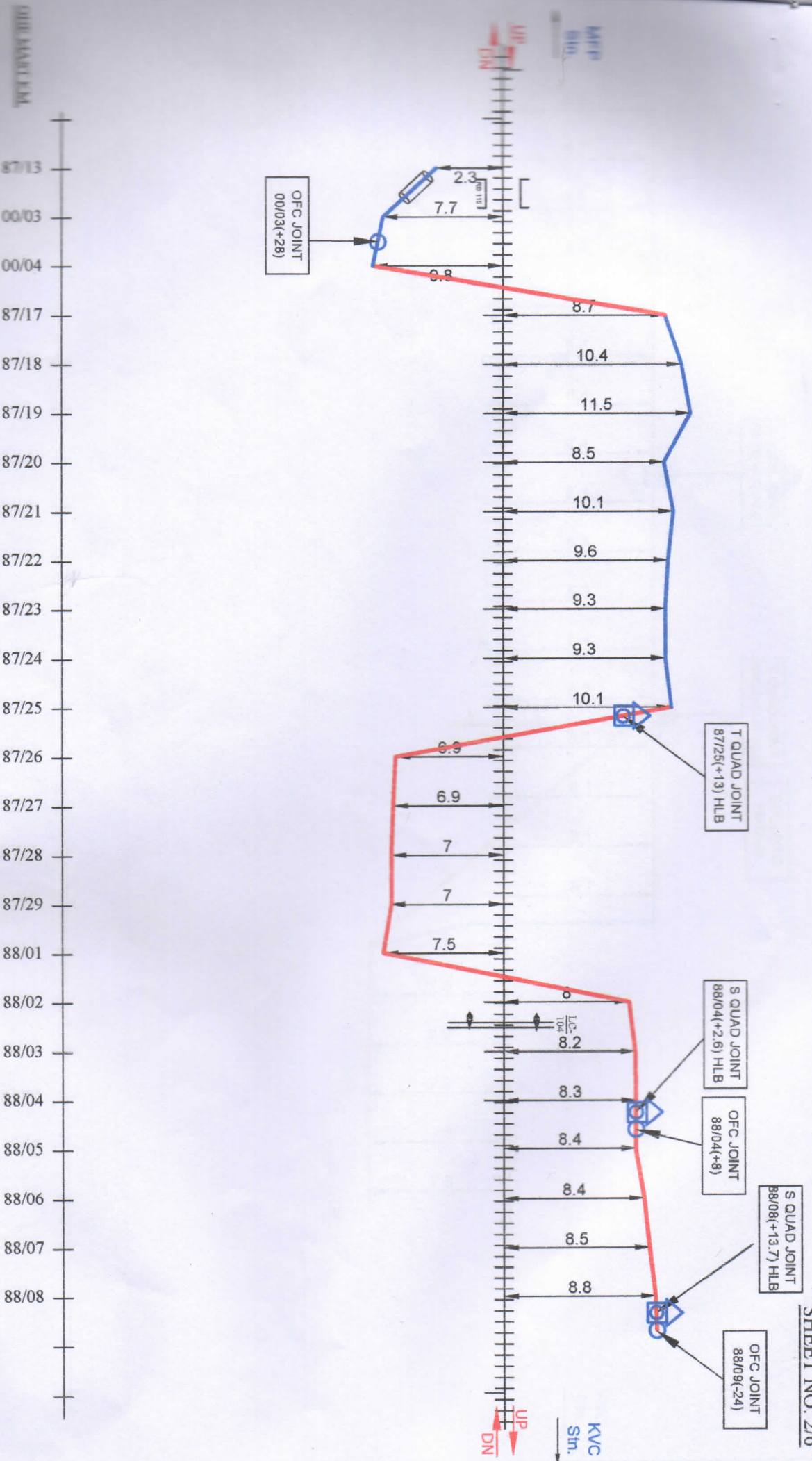
email :- bpppl@bpppl.org

checked
23/08/24

SG1
SHEET NO. 1/6



LEGENDS				CABLE ROUTE PLAN		
TO DATE	15/01/2021	STRAIGHT JOINT	S	MICROWAVE TO KAPARPURA		MUZAFFARPUR TO SAGAU EAST CENTRAL RAILWAY SAMASTIPUR DIVISION
BY	15/01/2021	TEE JOINT	T			
BY	15/01/2021	ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)				
 BABA PROJECTS PVT. LTD. RAJCHHARKHAND				DRAWING BY 24/10/2021 28/03/2021		
CHECKED BY 28/03/2021				APPROVED BY 28/03/2021		
SSEC/TNKE 28/03/2021				ASTE/CNFP 28/03/2021		
DY. CSTE/CNMX 28/03/2021				CABLE ROUTE PLAN		



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87/13 00/03 00/04 87/17 87/18 87/19 87/20 87/21 87/22 87/23 87/24 87/25 87/26 87/27 87/28 87/29 88/01 88/02 88/03 88/04 88/05 88/06 88/07 88/08

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	STRAIGHT JOINT	5	
2	T JOINT	1	
3	ALL DIMENSIONS ARE IN METERS (NOT TO SCALE)		

DESIGNED BY	29/10/2021
CHECKED BY	28/10/2021
DRAWING BY	28/10/2021
APPROVED BY	

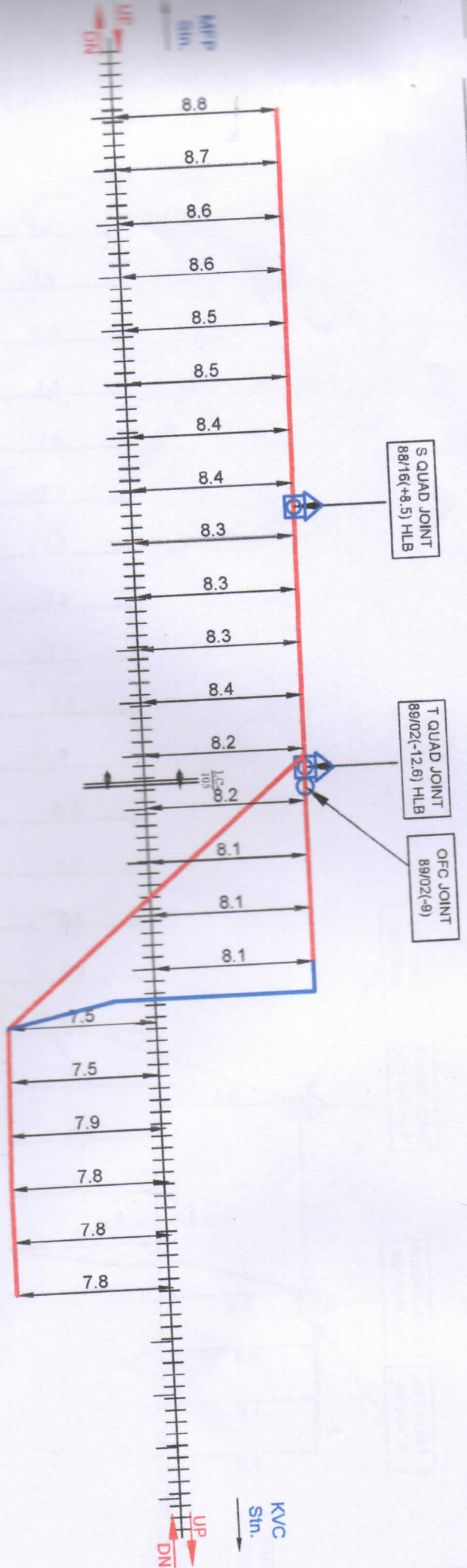
CHECKED BY	28/10/2021
APPROVED BY	
SS/EC/T/INKE	28/10/2021
ASTE/C/MFP	28/10/2021
DY. CSTE/C/MHX	

CABLE ROUTE PLAN	MICROWAVE TO KAPARPURA
MUZAFFARPUR TO SAGALI EAST CENTRAL RAILWAY SONPUR DIVISION	

24F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM MICROWAVE MUZAFFARPUR TO KAPARPURA

SHEET NO. 3/6

SGL



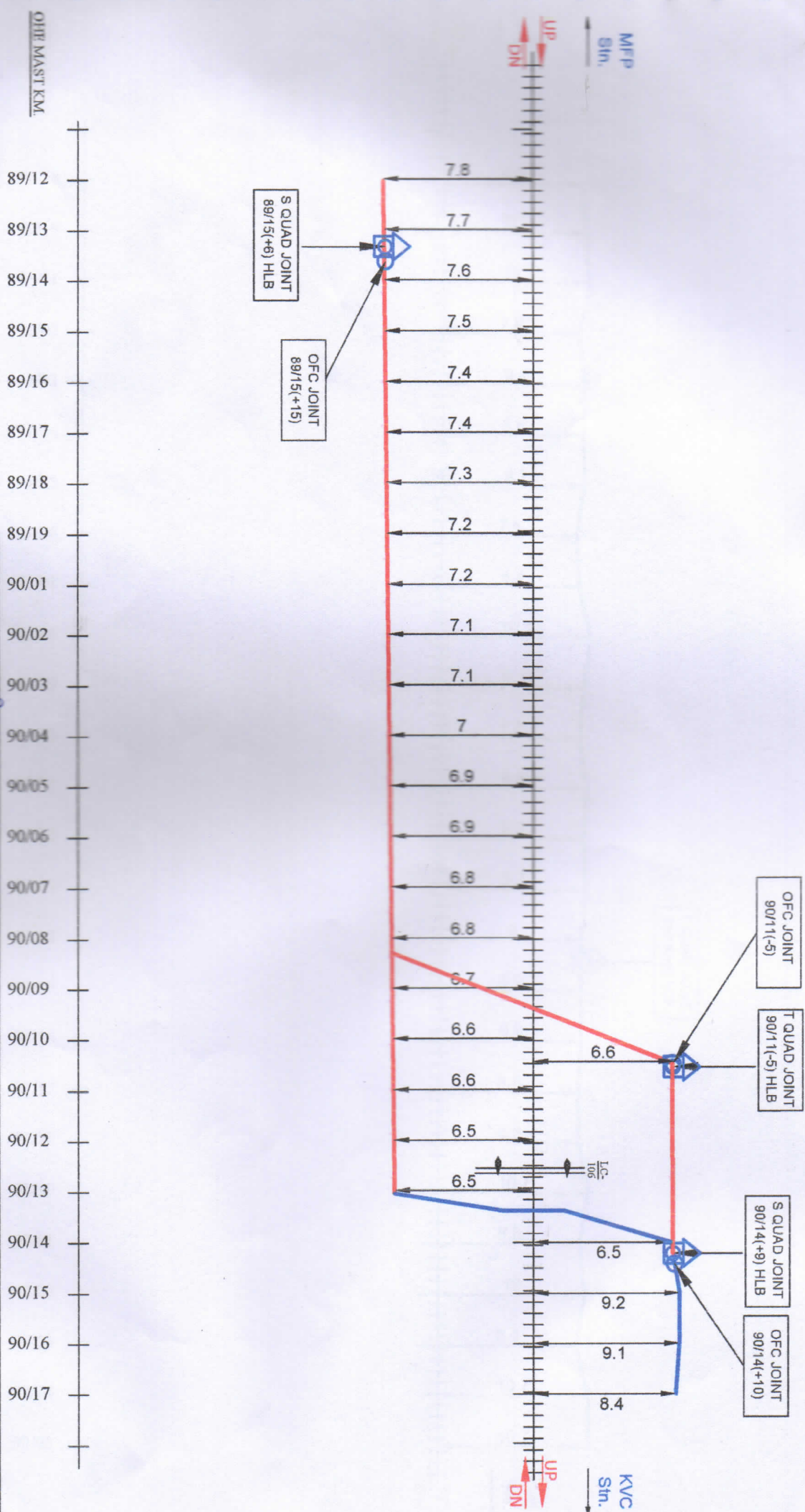
S QUAD JOINT
88/16(+8.5) HLB

T QUAD JOINT
89/02(-12.6) HLB

OFC JOINT
89/02(-9)

88/09 88/10 88/11 88/12 88/13 88/14 88/15 88/16 88/17 88/18 88/19 88/20 89/01 89/02 89/03 89/04 89/05 89/06 89/07 89/08 89/09 89/10 89/11

STRAIGHT JOINT		TEE JOINT		S	
DRAWING BY		CHECKED BY		APPROVED BY	
27/07/2021		28/07/2021		28/07/2021	
BABA PROJECTS PVT. LTD.		RANCHHAWAND		SSE/CIT/INKE	
ASTEC/CMFP		DY. CSTE/CMHX		CABLE ROUTE PLAN	
MICROWAVE TO KAPARPURA		MUZAFFARPUR TO SAGAUJI EAST CENTRAL RAILWAY SONPUR DIVISION			

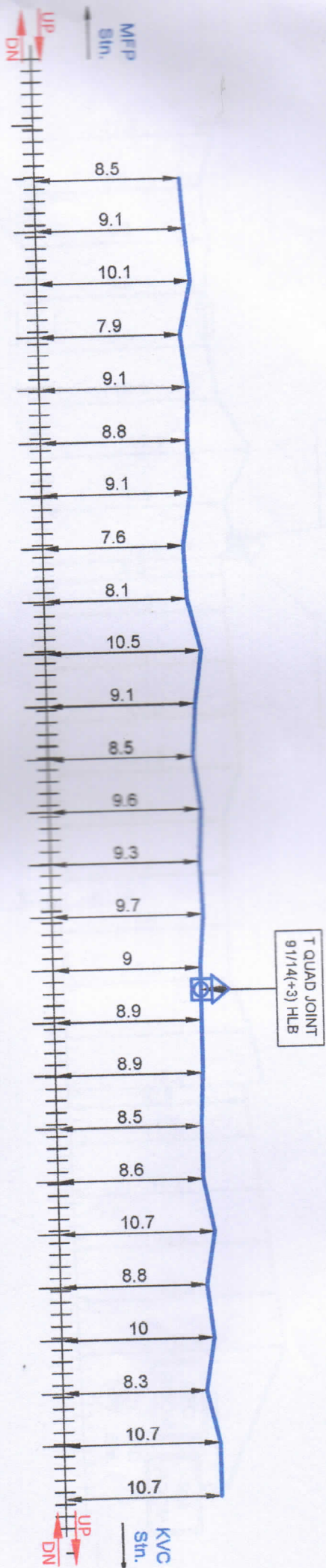


MFP

24F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM MICROWAVE MUZAFFARPUR TO KAPARPURA

SHEET NO. 5/6

SGL



OHR MAST KM.

90/18
90/19
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92/05

LEGENDS

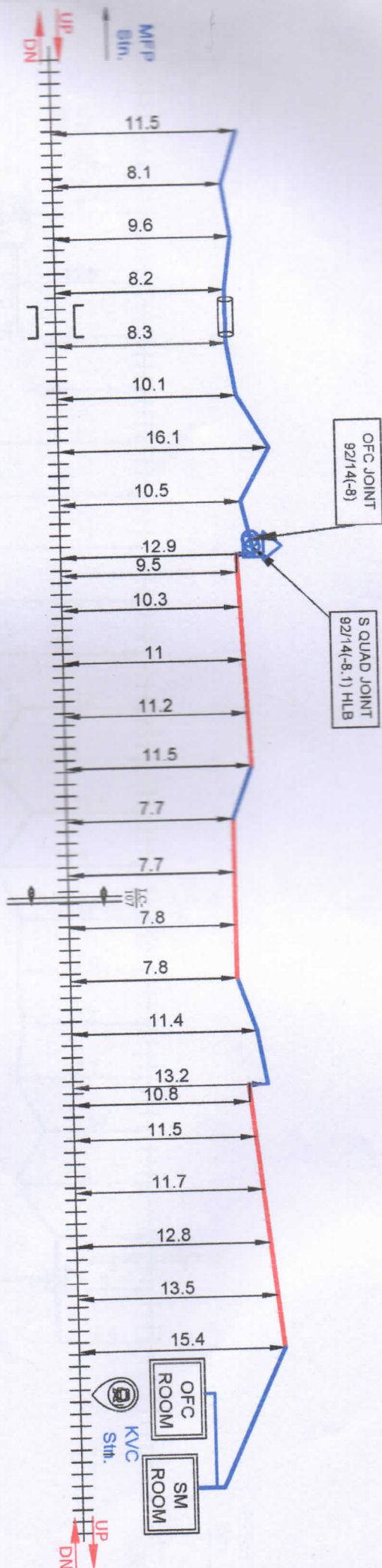
LC DATE	TRENCHING	STRAIGHT JOINT	S
CULVERT/BIDGE	6 QUAD JOINT	TEE JOINT	T
DI PIPE	12C JB		
RUM/ROB	OFC JOINT		
RAILWAY TRACK	HDD		

WATER ALARM 21/07/2021	CHECKED BY 28/07/2021
USER ALARM DRAWING BY	CHECKED BY
BABA PROJECTS PVT. LTD.	INCHAMWIND

CHECKED BY 28/07/2021	APPROVED BY
AST/C/MFP	DY. CSTE/C/MHX

CABLE ROUTE PLAN

MICROWAVE
TO
KAPARPURAMUZAFFARPUR TO SAGAIL
EAST CENTRAL RAILWAY
SONPUR DIVISION



OHE MAST KM.

- 92/06
- 92/07
- 92/08
- 92/09
- 92/10
- 92/11
- 92/12
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- 93/04
- 93/05
- 93/06
- 93/07

LEGENDS

LC GATE	TRENCHING	STRAIGHT JOINT	S
CULVERT BRIDGE	6 QUAD JOINT	TEE JOINT	T
OL PIPE	12C JB		
HUB/NOB	OFC JOINT		
RAILWAY TRACK	HDD		

USTER ALAM DRAWING BY 17/10/2021	CHECKED BY 28/10/2021	APPROVED BY 28/10/2021
BABA PROJECTS PVT. LTD. RANCHHARNAMD	SSELCT/INKE 28/10/2021	ASTEC/CMFP 28/10/2021

CABLE ROUTE PLAN
MICROWAVE TO KAPARPURA



MUZAFFARPUR TO SAGAU
EAST CENTRAL RAILWAY
SONPUR DIVISION

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM KANTI TO PIPRAHAN STATION

LC GATE	TRENCHING	STRAIGHT JOINT	S
CULVERT/BRIDGE	6 QUAD JOINT	TEE JOINT	T
GI PIPE	OFC JOINT	TRENCHING IN PLATFORM AREA	
RUB/ROB	HDD		
RAILWAY TRACK	12C JB	ALL DIMENSIONS ARE IN METER (NOT TO SCALE)	

LEGENDS

99/02

99/04

99/06

99/08

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99/28

99/31

99/33

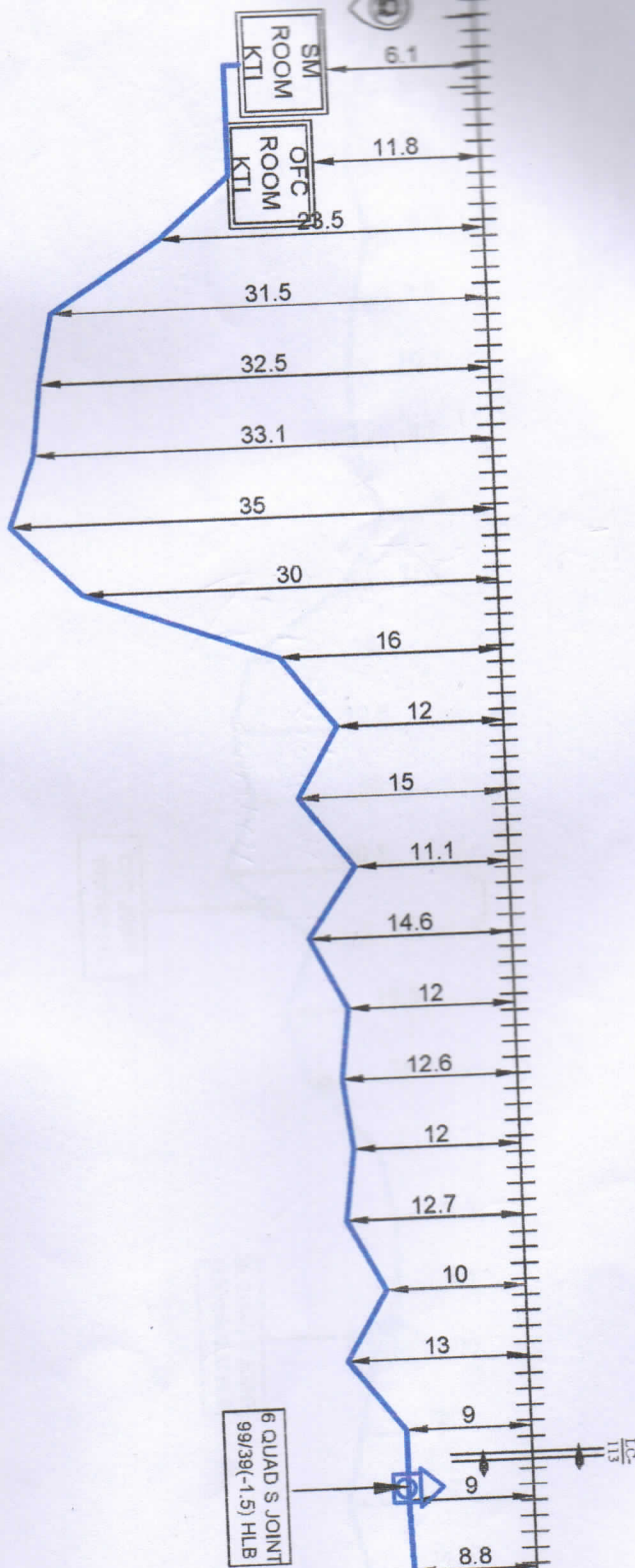
99/35

99/37

99/39

99/41

UPPER ALUM DRAWING BY 97102/2021	CHECKED BY 28103/2021	CHECKED BY 28103/2021	APPROVED BY DY. CSTE/C/MHX	CABLE ROUTE PLAN KANTI TO PIPRAHAN	MUZAFFARPUR TO BAGAIL EAST CENTRAL RAILWAY SAMASTIPUR DIVISION
BABA PROJECTS PVT. LTD. RANCHI-HARGAHD	28103/2021	28103/2021			
SSE/C/TINKE	ASTE/C/MFP	DY. CSTE/C/MHX			



OHE MAST KM

99/43 99/45 99/47 100/01 100/03 100/05 100/07 100/09 100/11 100/13 100/15 100/17 100/19 100/22 100/24 100/26 100/28 100/30 100/32 100/34 100/36 100/38 100/40 100/42

LEGENDS

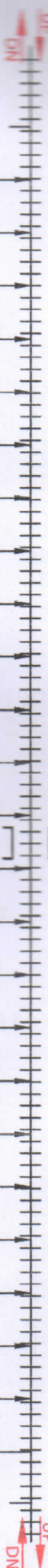
LC GATE	TRENCHING	STRAIGHT JOINT	S
CULVERT/BIDGE	6 QUAD JOINT	TIE JOINT	T
GI PIPE	12C JB	TRENCHING IN PLATFORM AREA	
RUB/ROB	OFC JOINT		
RAILWAY TRACK	HDD		

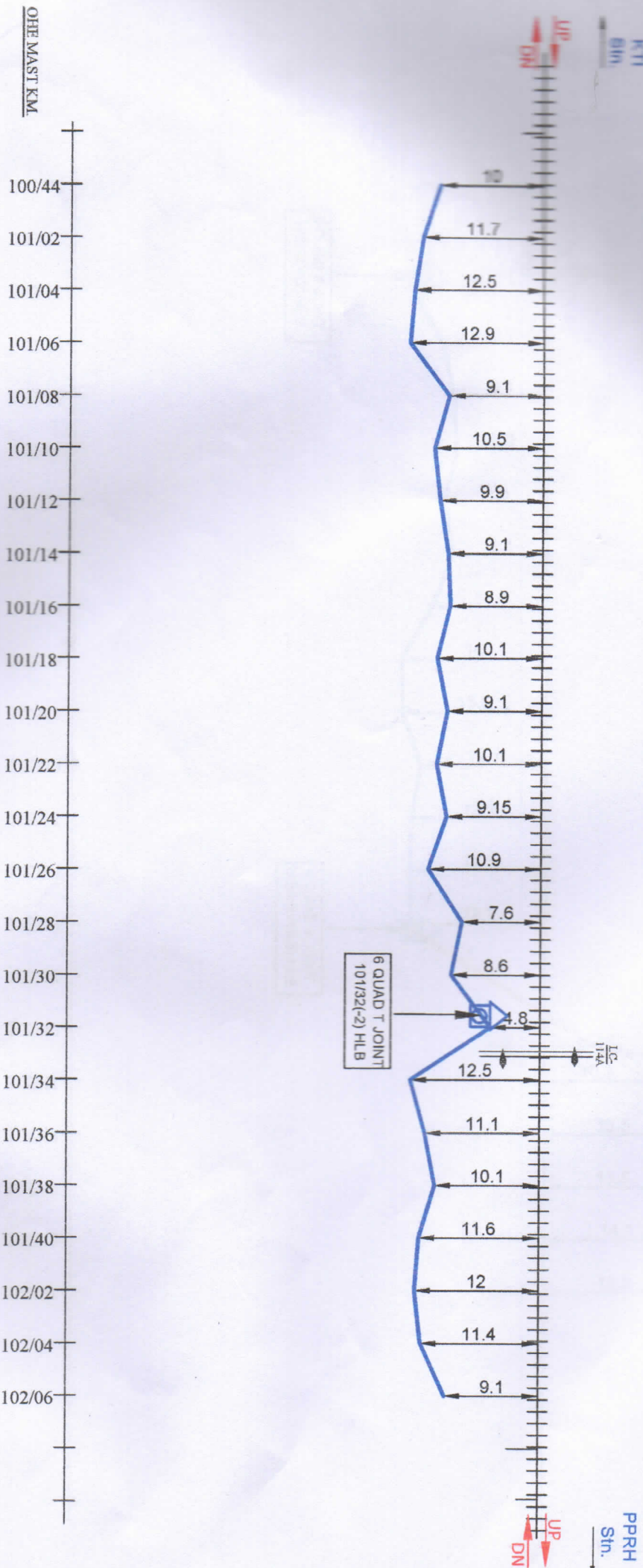
 DRAWING BY USTER ALAM 07/07/2021	CHECKED BY 28/07/2021
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CHECKED BY 28/07/2021	APPROVED BY 
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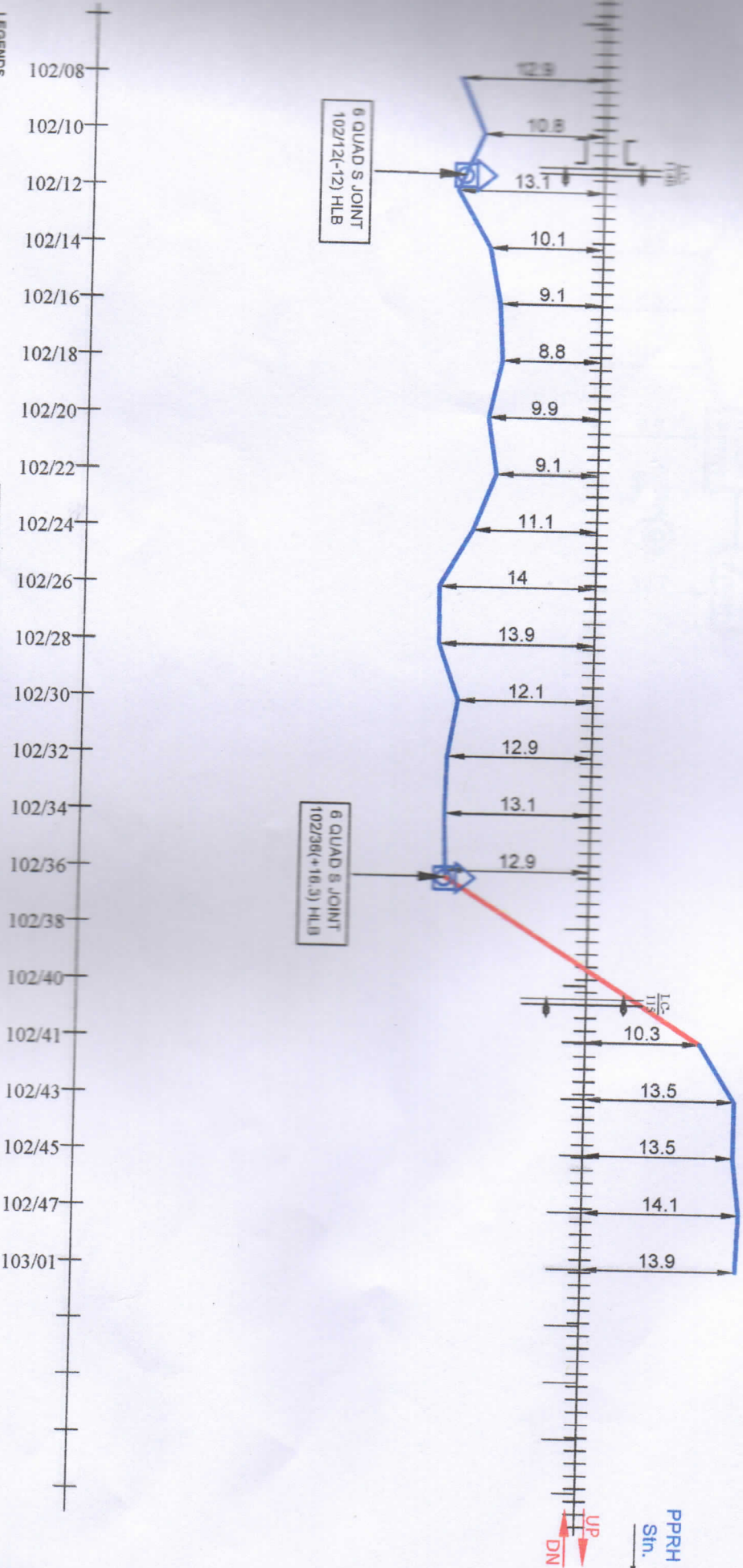
CABLE ROUTE PLAN	KANTI TO PIPRAHAN
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MUZAFFARPUR TO SAGAU EAST CENTRAL RAILWAY SAMASTIPUR DIVISION	
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OFC JOINT
100/19(+31)6 QUAD T JOINT
100/34(-3.5) HLBKTI
6mPPRH
Stn.UP
DN

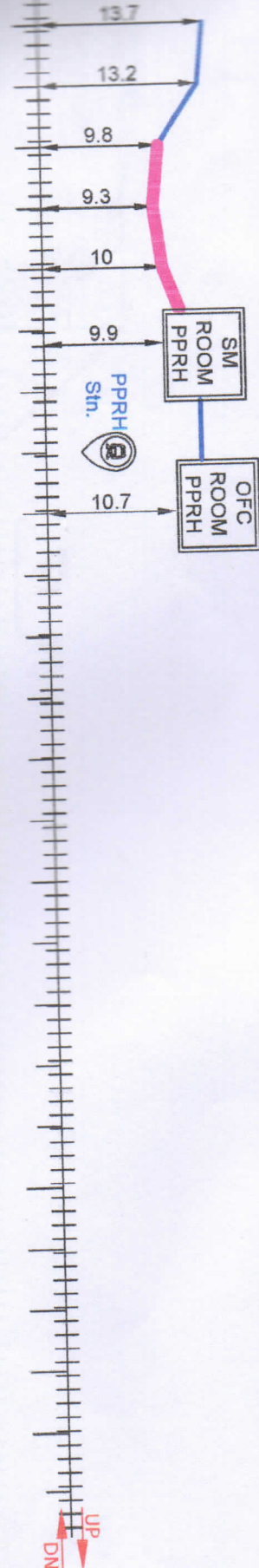


24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM KANTI TO PIPRAHAN STATION



DRAWN BY		CHECKED BY		APPROVED BY		CABLE ROUTE PLAN	
24/04/2021		28/07/2021		28/07/2021		KANTI TO PIPRAHAN	
BABA PROJECTS PVT. LTD.		BABA PROJECTS PVT. LTD.		BABA PROJECTS PVT. LTD.		MUZAFFARPUR TO SAGALI	
RAJESH KUMAR		RAJESH KUMAR		RAJESH KUMAR		EAST CENTRAL RAILWAY	
SSE/C/TINKE		ASTE/C/MFP		DY. CSTE/C/MHX		SAMASTIPUR DIVISION	

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM KANTI TO PIRAHAN STATION



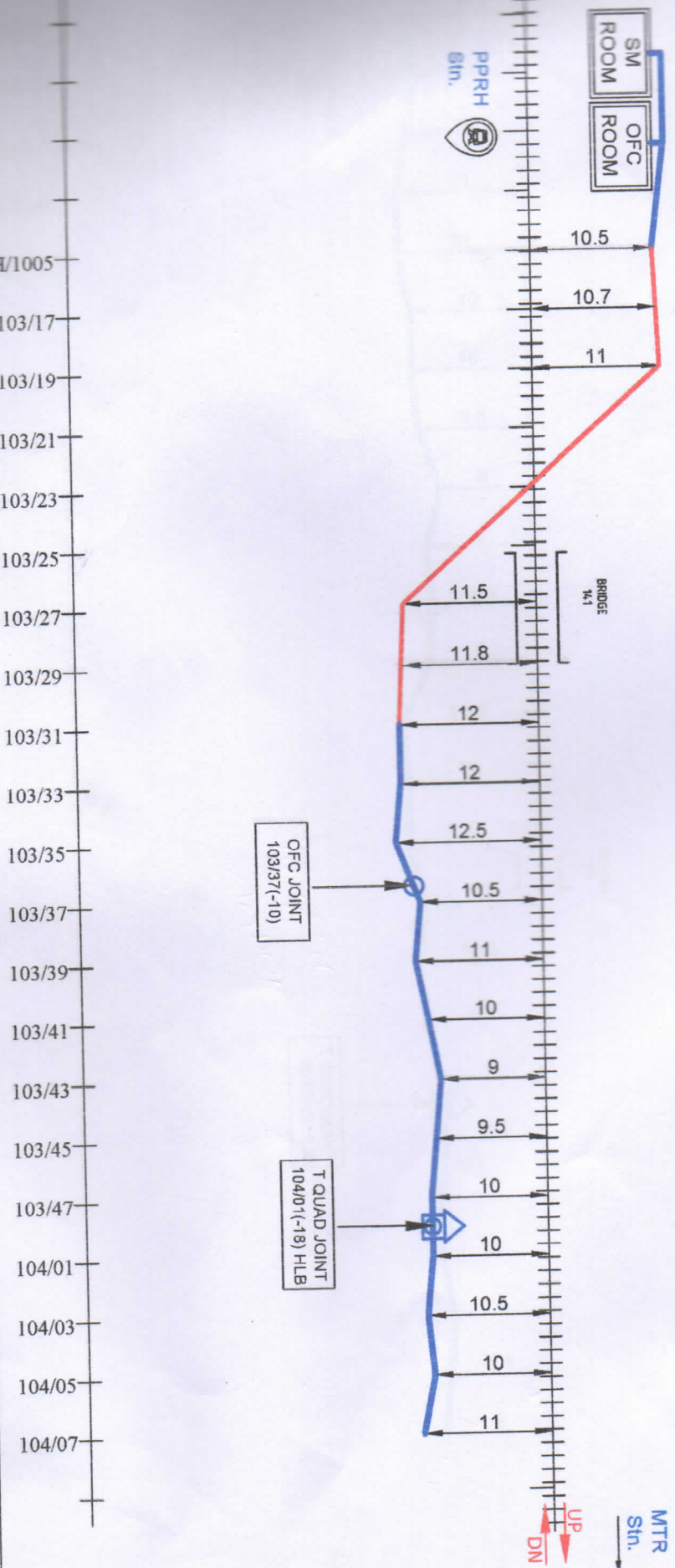
M.P. J.N.

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM KANTI TO PIPRAHAN STATION

SGL J.N.
SHEET NO. 5/5

DATE	DESCRIPTION	BY	CHECKED BY	APPROVED BY	CABLE ROUTE PLAN
23/09/2021	UPPER ALUM	28/07/2021	28/07/2021	28/07/2021	KANTI TO PIPRAHAN
28/07/2021	CHECKED BY	28/07/2021	28/07/2021	28/07/2021	KANTI TO PIPRAHAN
28/07/2021	CHECKED BY	28/07/2021	28/07/2021	28/07/2021	KANTI TO PIPRAHAN
28/07/2021	CHECKED BY	28/07/2021	28/07/2021	28/07/2021	KANTI TO PIPRAHAN

MUZAFFARPUR TO SAGALI
EAST CENTRAL RAILWAY
SAMSATPUR DIVISION

[illegible]

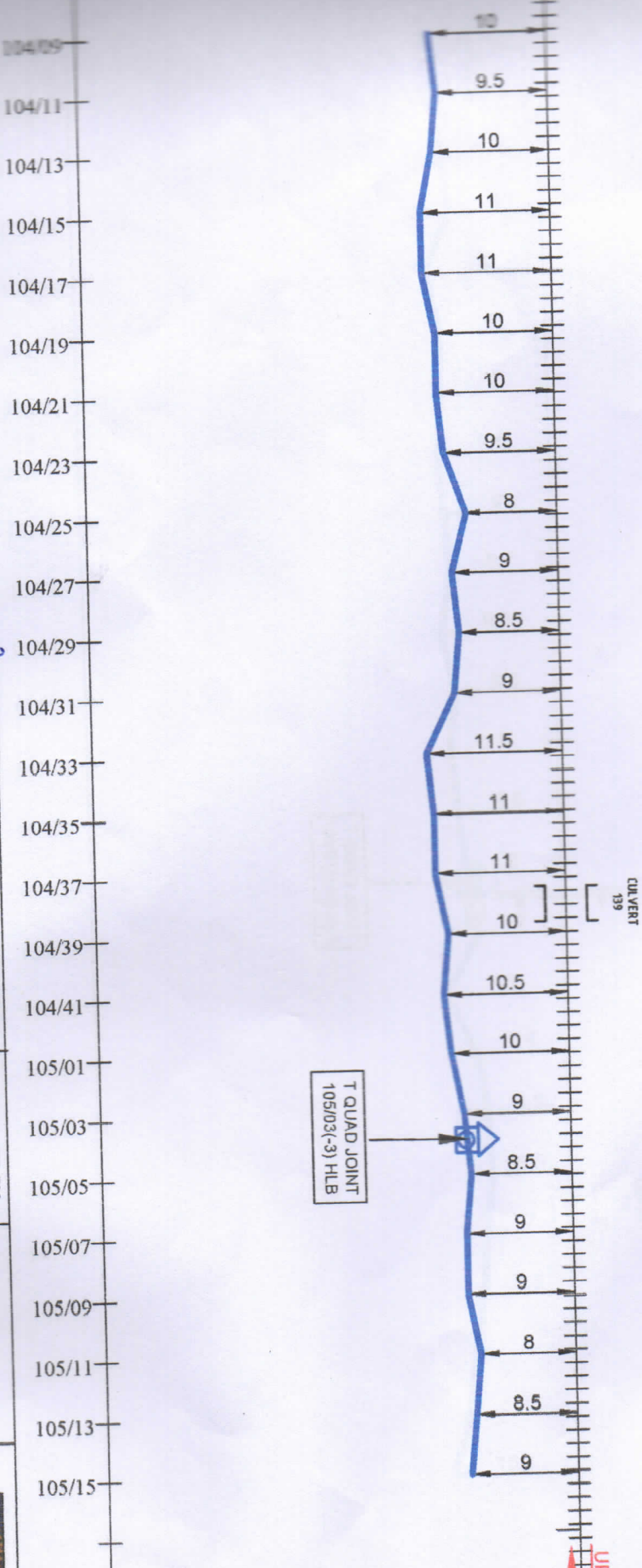
24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM PIPRAHAN TO MOTIPUR STATION

SHEET NO. 2/09

SGL

MTR
Stn.

UP
DN



		STRAIGHT JOINT	S
		TEE JOINT	T
			
			
			
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)			

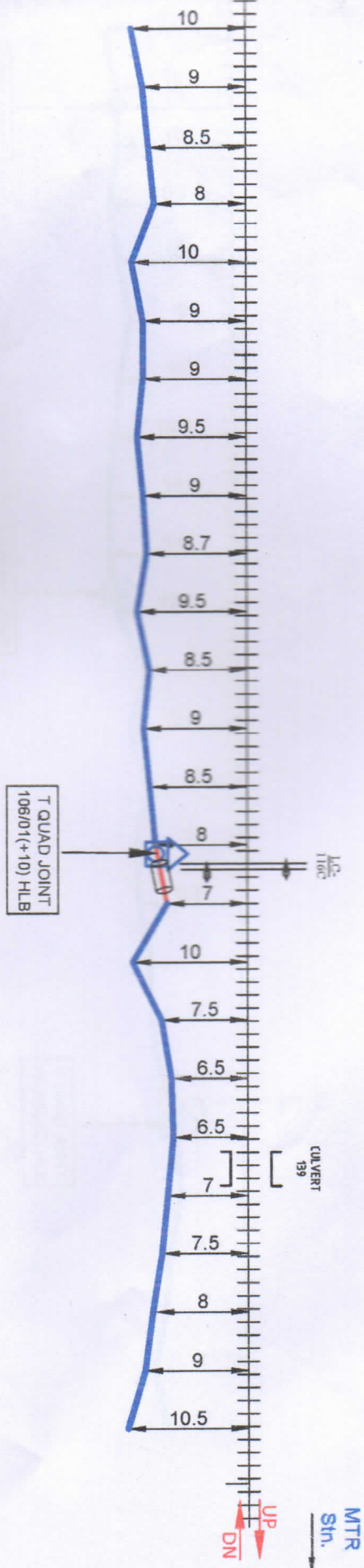
	DRAWING BY USTER ALAM 30/09/2021	CHECKED BY 8/10/2021	ET-4219
BABA PROJECTS PVT. LTD. RANCHHARRAND			

SSE/C/TINKE 31/01/2021	AST/C/MFP 8/10/2021		CABLE ROUTE PLAN
PIPRAHAN TO MOTIPUR			
MUZAFFARPUR TO SAGAIL EAST CENTRAL RAILWAY SAMASTIPUR DIVISION			

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM PIPRAHAN TO MOTIPUR STATION

SHEET NO. 3/09

SGL



LEGENDS			
	TRENCHING		STRAIGHT JOINT
	6 QUAD JOINT		TEE JOINT
	MOLING		
	OFC JOINT		
	HDD		
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)			

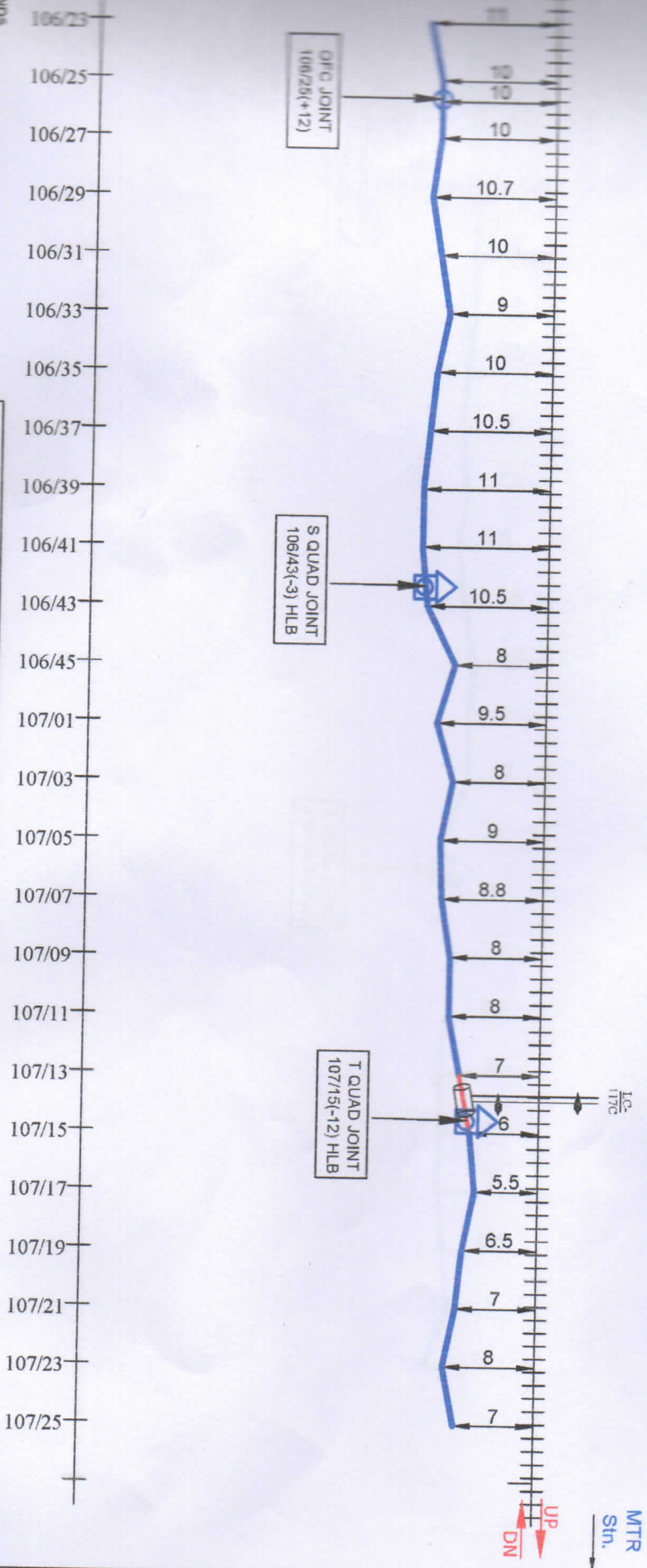
DRAWING BY		CHECKED BY	
USTAR ALAM		31/07/2021	
BABA PROJECTS PVT. LTD.		RANDEH-HAND	

CHECKED BY		APPROVED BY	
RANDEH-HAND			
SSE/C/T/NKE		DY. CSTE/C/MHX	
ASTE/C/MFP			

CABLE ROUTE PLAN		PIPRAHAN TO MOTIPUR	
MUZAFFARPUR TO SAGAU		EAST CENTRAL RAILWAY	
		SAMASTPUR DIVISION	

SHEET NO. 4/09

SHEET NO. 4/09



TRENCHING		STRAIGHT JOINT	S
6 GUARD JOINT		TEE JOINT	T
MOLING			
OPEN JOINT			

ALL DIMENSIONS ARE IN METERS

BADA PROJECTS PVT. LTD.
 RANDESHWAR ROAD

USER ALARM
 DRAWING BY

CHECKED BY

APPROVED BY

CABLE ROUTE PLAN
 PIPRAHAN TO MOTPUR

MUZAFARPUR TO BADAULI
 EAST CENTRAL RAILWAY



LEGENDS

CHECKED BY

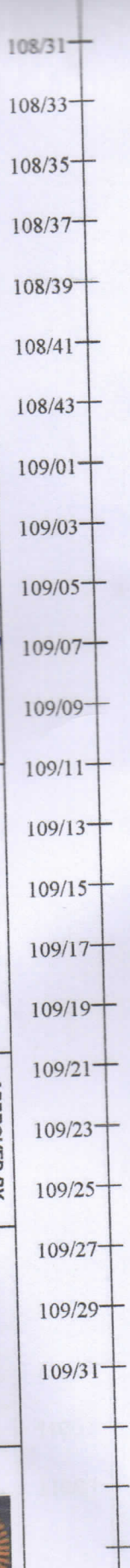
CABLE ROUTE PLAN



**MUZAFFARPUR TO SAGAIL
EAST CENTRAL RAILWAY
SAMASTIPUR DIVISION**

SGL →

SHEET NO. 6/09



	WATER ALARM 30/10/2021
BABA PROJECTS PVT. LTD. PONDY-HAWKHAND	81/10/2021

	CHECKED BY	APPROVED BY
SSE/C/TINKE	ASTE/C/MFP	DY. CSTC/C/MHX

CABLE ROUTE PLAN



MUZAFFARPUR TO SAGAIL
EAST CENTRAL RAILWAY
SAMASTIPUR DIVISION

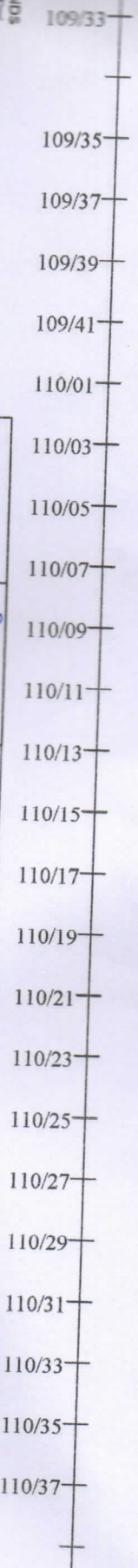
24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM PIPRAHAN TO MOTIPUR STATION

SHEET NO. 7/09

SGL

MTR
Stn.

UP
DN

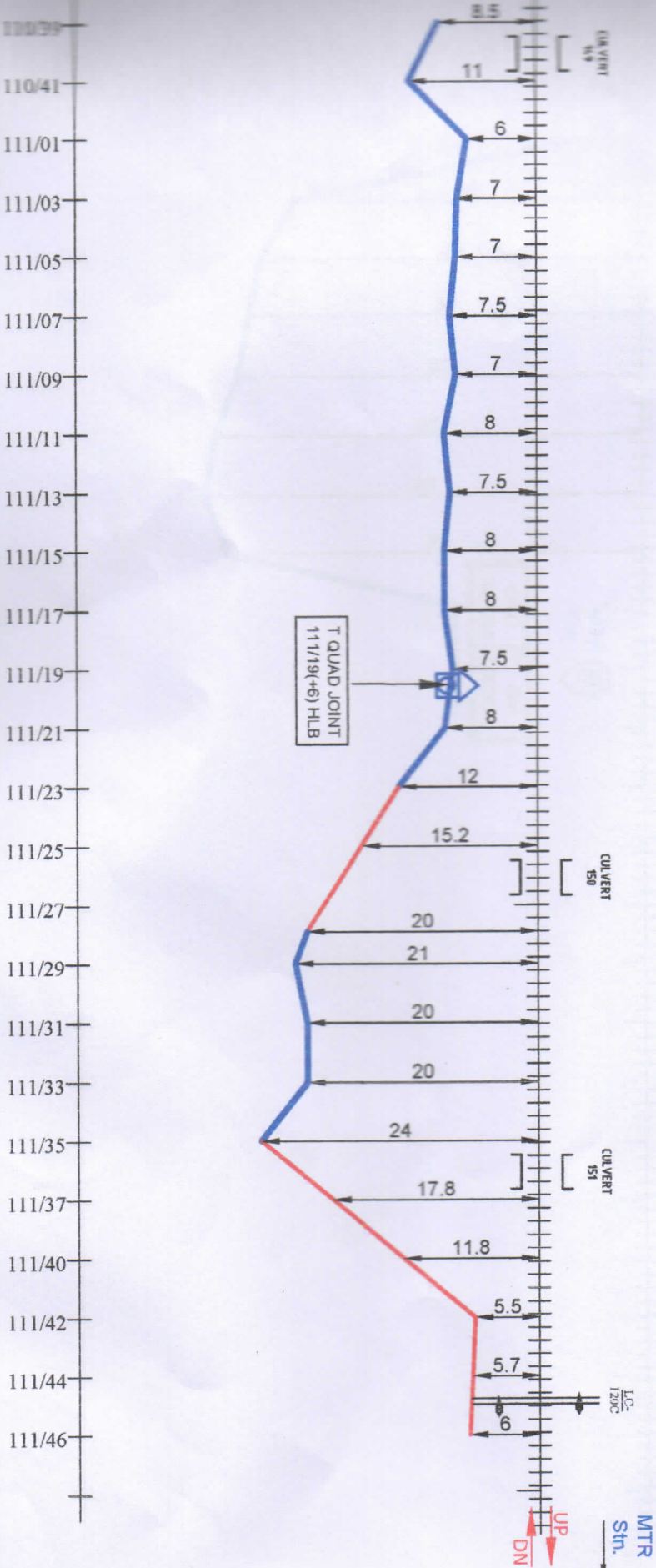


LEGENDS		CHECKED BY		APPROVED BY	
TRENCHING	STRAIGHT JOINT	USER ALAM	31/07/2021		
6 QUAD JOINT	TEE JOINT	CHECKED BY			
MOLING					
OFF JOINT					
HOB					
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)		BADA PROJECTS PVT. LTD. (RANCHHARAND)		CABLE ROUTE PLAN	
		SSE/CIT/NIKE		PIPRAHAN TO MOTIPUR	
		ASTE/C/MFP		MUZAFFARPUR TO SAGAIL	
		DY. CSTE/C/MHX		EAST CENTRAL RAILWAY	
				SAMASTPUR DIVISION	

2A F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM PIPRAHAN TO MOTIPUR STATION

SHEET NO. 8/09

SGL



CHECKED BY

APPROVED BY

CABLE ROUTE PLAN

PIPRAHAN TO MOTIPUR

MUZAFFARPUR TO SAGAIL EAST CENTRAL RAILWAY SAMASTIPUR DIVISION

DESIGNED BY
30/07/2021
31/07/2021
BABA PROJECTS PVT. LTD.
RANCHI/HARIDWAR

CHECKED BY
31/07/2021
31/07/2021
31/07/2021

APPROVED BY
31/07/2021

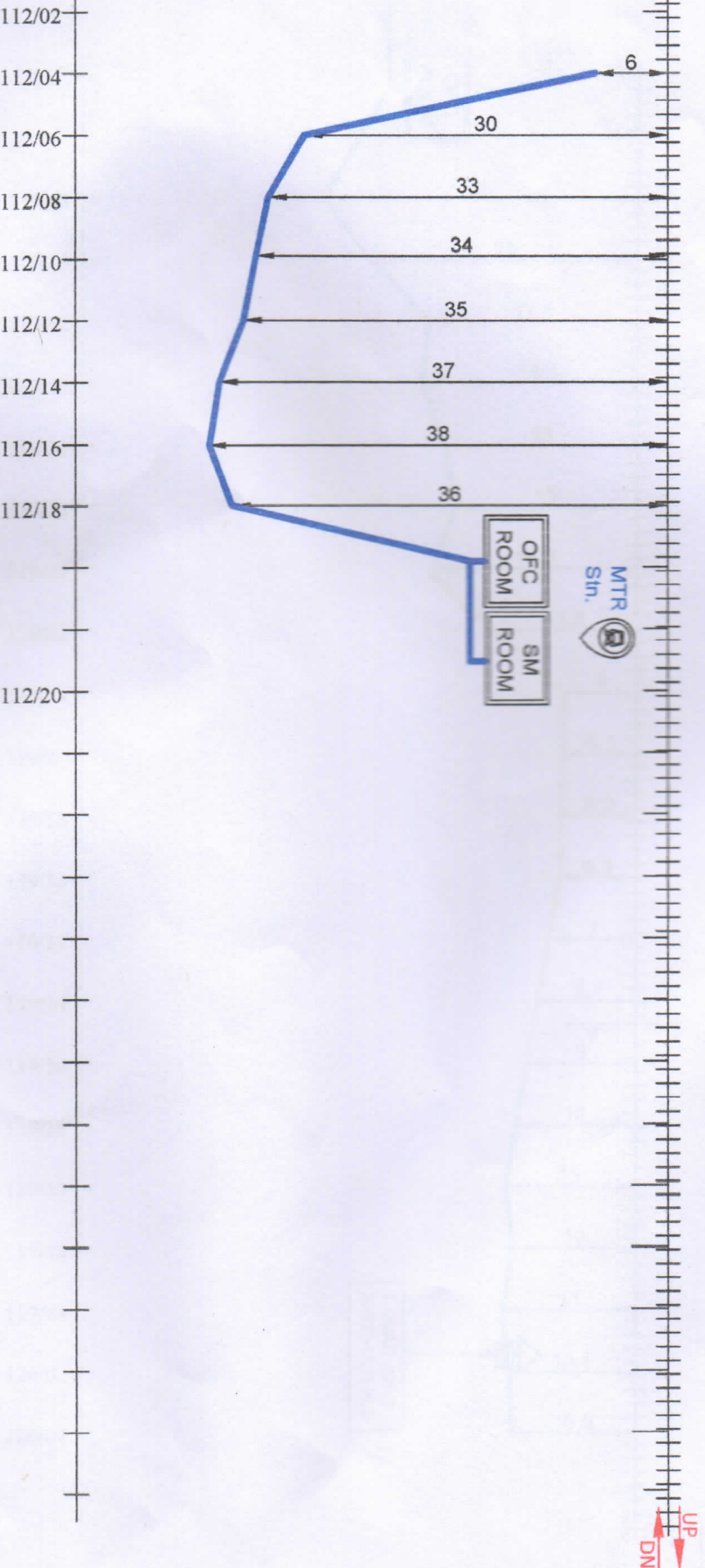
APPROVED BY
31/07/2021

APPROVED BY
31/07/2021

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM PIPRAHAN TO MOTIPUR STATION

SHEET NO. 9/09

SGL

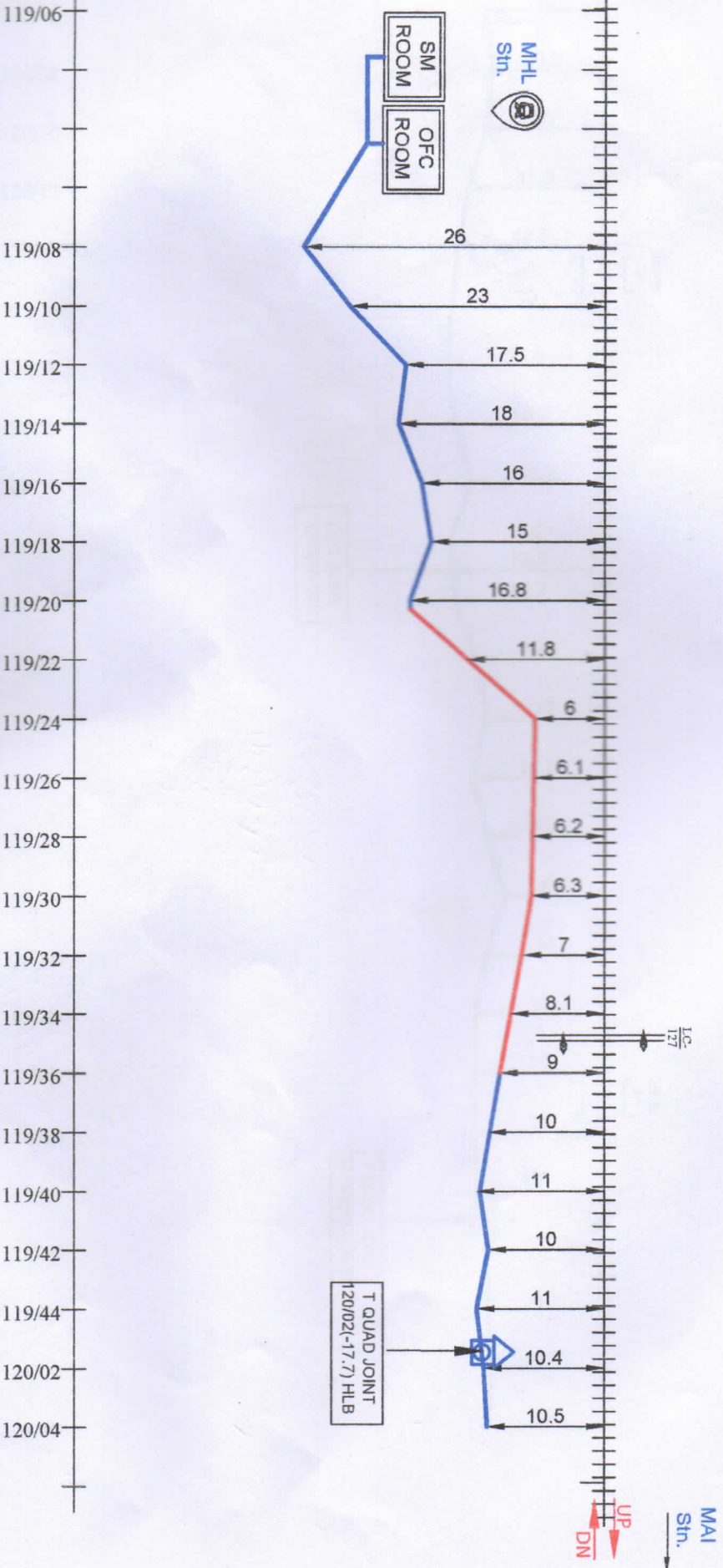


LEGENDS		CHECKED BY		APPROVED BY		CABLE ROUTE PLAN	
TRENCHING		STRAIGHT JOINT	S			PIPRAHAN TO MOTIPUR	
6 QUAD JOINT		TEE JOINT	T				
MOLDING							
OFC JOINT							
HOD							
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)		DRAWING BY		CHECKED BY		MUZAFFARPUR TO SAGAU	
		UJESTER ALAM		31/07/2021		EAST CENTRAL RAILWAY	
		BABA PROJECTS PVT. LTD.		30/09/2021		SAMASTIPUR DIVISION	
		RANDESHWAR					
		SSE/CT/INKE		ASTE/C/MP			
		DY. CSTE/C/MHX					

24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM MAHWAL TO MEHSI STATION

SHEET NO. 1/7

SGL



LEGENDS

TRENCHING	STRAIGHT JOINT	S
6 QUAD JOINT	TEE JOINT	T
120 JIB		
OFC JOINT		
1000		

ALL DIMENSIONS ARE IN METER (NOT TO SCALE)

DESIGNED BY 28/07/2021	CHECKED BY 29/07/2021
DRAWING BY BABA PROJECTS PVT. LTD. RANCHI-JHARKHAND	

CHECKED BY 29/07/2021	APPROVED BY 23/08/2021
SS/EC/TINKE	AST/EC/MFP
DY. CST/EC/MHX	

CABLE ROUTE PLAN	MAHWAL TO MEHSI
MUZAFFARPUR TO SAGAU EAST CENTRAL RAILWAY SAMASTIPUR DIVISION	

SHEET NO. 2/7

MAI
Stn.

TRENCHING		STRAIGHT JOINT		S
6 GUAD JOINT		TEE JOINT		T
120 JIB				
OFF JOINT				
HOOD				

ALL DIMENSIONS ARE IN METERS

	WATER ALARM 28/10/2021
DRAWING BY	29/10/2021

<p>Checked By</p>	<p>Radnoti Rambhai</p> <p>28/07/2024</p>
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APPROVED BY



	CABLE ROUTE PLAN
	MAHWAL TO MEHSI



MUZAFFARPUR TO SAGAILI

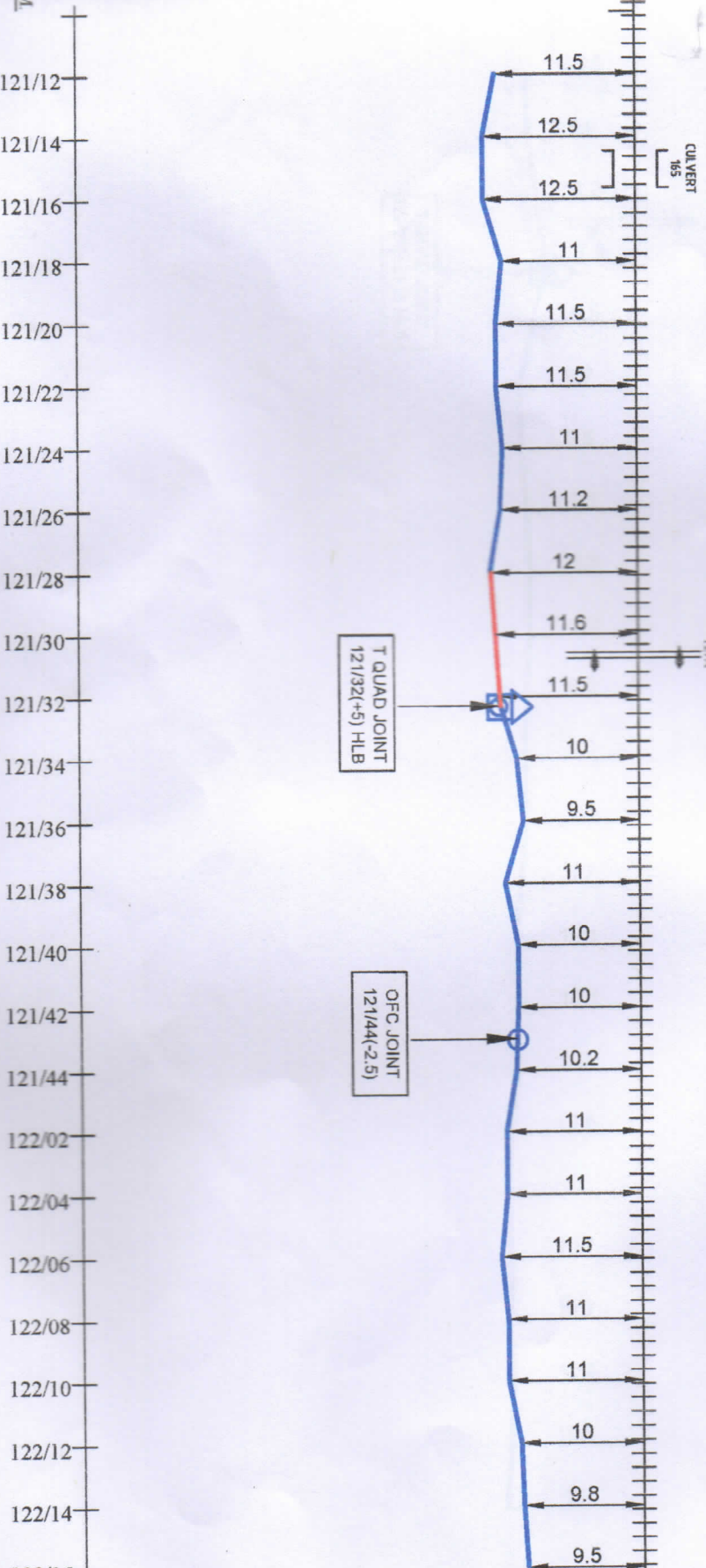
24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM MAHWAL TO MEHSI STATION

SHEET NO. 3/7

SGL

MAI
Sin.

UP
DN



LEGENDS

TRENCHING	STRAIGHT JOINT	S
6 QUAD JOINT	TEE JOINT	T
12C JIB		
OFC JOINT		
HDD		

28/07/2024	29/07/2024
UFTER ALAM	CHECKED BY
DRAWING BY	
BABA PROJECTS PVT. LTD.	
RANDEHAR CHAND	

CHECKED BY	APPROVED BY
29/07/2024	
SS/EC/INKE	DY. CSTE/C/MHX
AST/EC/MFP	

CABLE ROUTE PLAN	MAHWAL TO MEHSI
MUZAFFARPUR TO SAGAU	EAST CENTRAL RAILWAY
SAMASTPUR DIVISION	



24 F OFC & 6 QUAD CABLE ROUTE DIAGRAM FROM MAHWAL TO MEHSI STATION

SHEET NO. 4/7

SGL

MAI
Stn.

UP
DN

T QUAD JOINT
122/24(+21.5) HLB

122/18
122/20
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123/20

LEGENDS

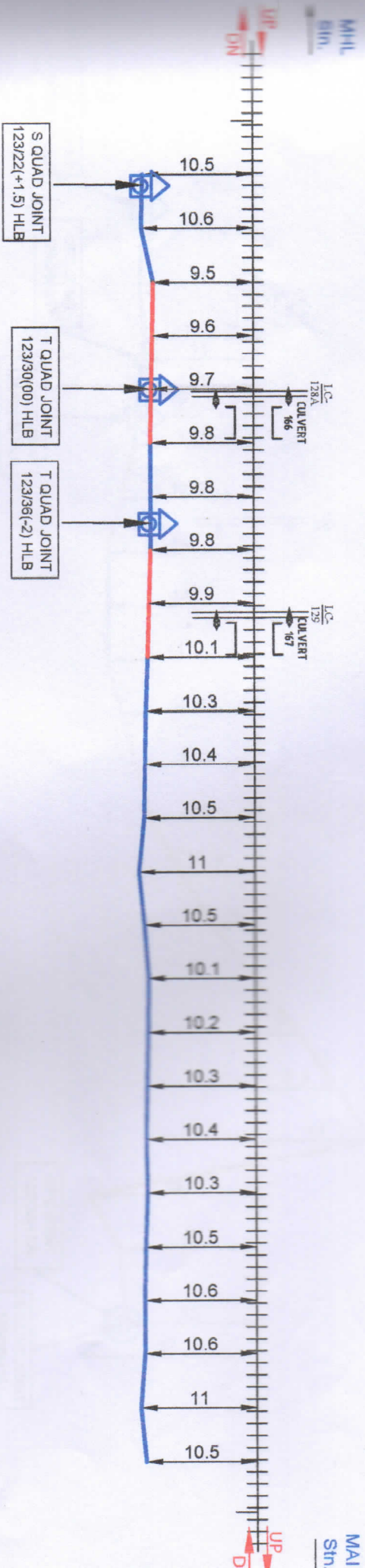
100 METER	TRENCHING	STRAIGHT JOINT	S
100 METER	6 QUAD JOINT	TEE JOINT	T
100 METER	120 JB		
100 METER	OFC JOINT		
100 METER	HOOD		
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)			

DRAWING BY 28/07/2021 WATER ALAM		CHECKED BY 29/03/2021 RASHID RAMDAN	
BABA PROJECTS PVT. LTD. RANCHI/JHARKHAND		APPROVED BY [Signature]	

SSE/C/T/NKE	AST/E/C/MFP	DY. CST/E/C/MHX
MAHWAL TO MEHSI		

CABLE ROUTE PLAN	
MAHWAL TO MEHSI	
MUZAFFARPUR TO SAGAIL EAST CENTRAL RAILWAY SAMASTPUR DIVISION	



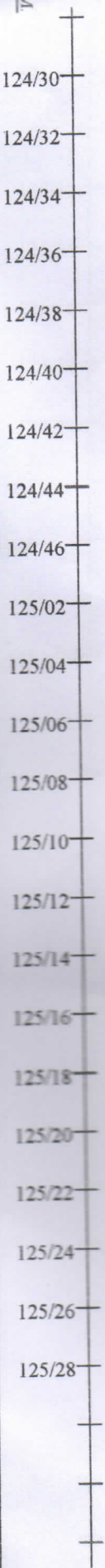


LEGENDS			
TRENCHING	6 QUAD JOINT	STRIGHT JOINT	S
120 JIB	TEE JOINT		T
OPG JOINT			
HOB			
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)			

water down 28/07/2021	29/07/2021
USTER ALAM DRAWING BY	CHECKED BY
BABA PROJECTS PVT. LTD. RANCHHARGRAH	

CHECKED BY	APPROVED BY	CABLE ROUTE PLAN
29/07/2021		MAHWAL TO MEHSI
AST/CMFP	DY. CSTE/CMHX	

MAHWAL TO MEHSI	
EAST CENTRAL RAIL SAMASTPUR DIVISION	



LEGENDS			
LEADER		TRENCHING	
OVERHEAD BRIDGE		6 QUAD JOINT	
RAILWAY		12C JB	
RAILWAY TRACK		OFC JOINT	
		HDD	
		STRAIGHT JOINT	S
		TEE JOINT	T
ALL DIMENSIONS ARE IN METER (NOT TO SCALE)			

		WATER ALARM 28/10/2024 29/01/2024
DRAWING BY		CHECKED BY
BABA PROJECTS PVT. LTD. MUMBAI		

CHECKED BY	APPROVED BY	CABLE ROUTE PLAN
Checked Random 29/01/2024 8/02 23/02/2024		MAHWAL TO MEHSI

MAHWAL TO MEHSI

MAHWAL TO MEHSI

MAHWAL TO MEHSI

MAHWAL TO MEHSI

MAHWAL TO MEHSI

MAHWAL TO MEHSI

SHEET NO. 7/7

MAI
Stn.

Stn.



	WATER ABOVE 22/07/2021	29/07/2021	DRAWING BY	CHECKED BY	BABA PROJECTS PVT. LTD. RANCHI-HARGAUM
CHECKED BY		APPROVED BY		CABLE ROUTE PLAN	
SSEC/ITNKE 29/07/2021		ASTEC/MFP 23/08/2021		DY. CSEC/MHX	
MAHWAL TO MEHSI					
MUZAFARPUR TO SAGAILU		EAST CENTRAL RAILWAY		SAMASTIPUR DIVISION	

MUZAFFARPUR TO SAGAIL
EAST CENTRAL RAILWAY
SAMASTIPUR DIVISION