

SOUTH CENTRAL RAILWAY
SIGNAL & TELECOMMUNICATIONS
GUNTAKAL DIVISION

DATE OF SURVEY DONE:

23-05-2023



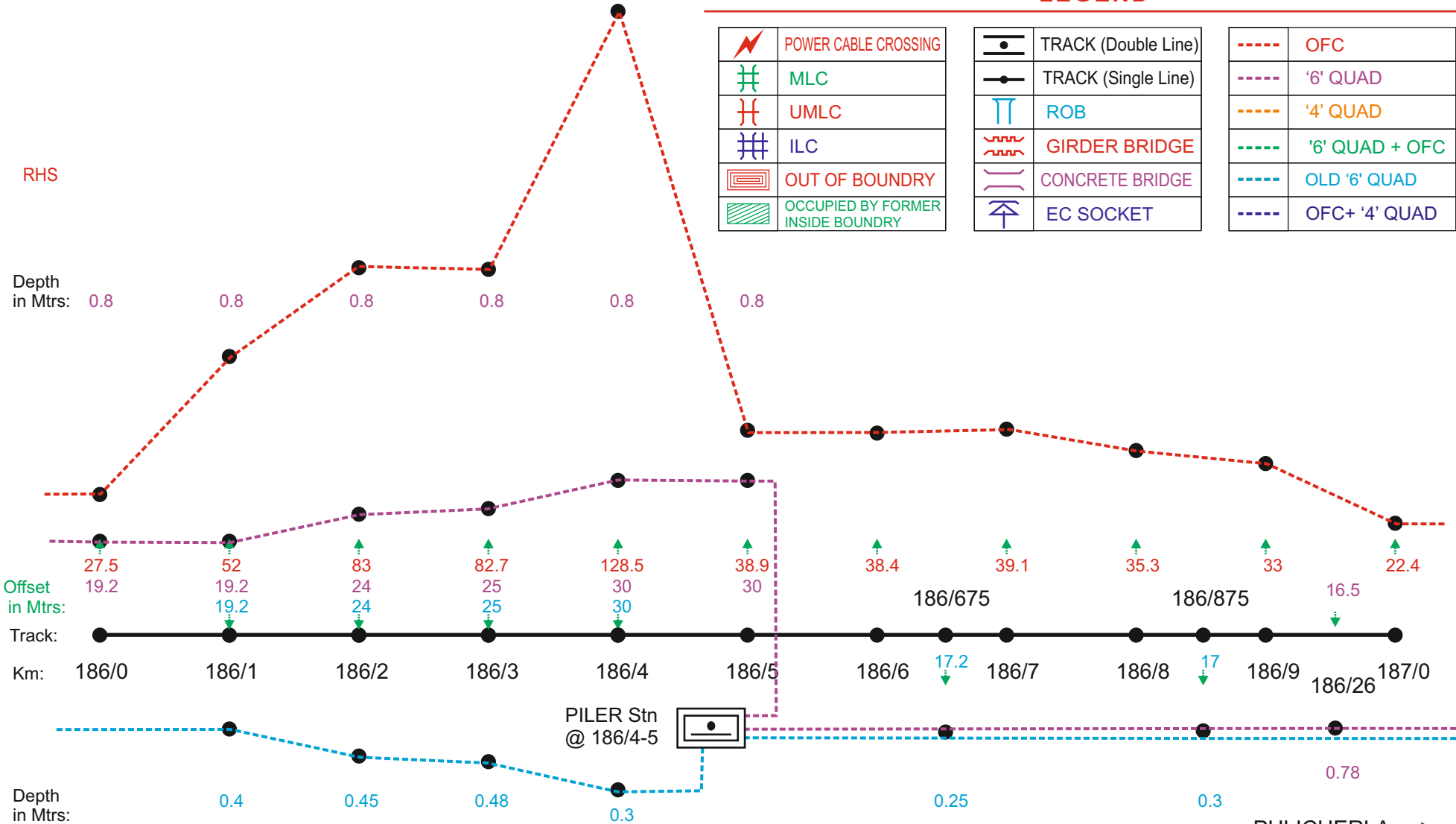
OFC + QUAD UNDER GROUND
CABLE ROUTE DIAGRAM
BET : PILER - PAKALA

LEGEND

	POWER CABLE CROSSING
	MLC
	UMLC
	ILC
	OUT OF BOUNDARY
	OCCUPIED BY FORMER INSIDE BOUNDARY

	TRACK (Double Line)
	TRACK (Single Line)
	ROB
	GIRDER BRIDGE
	CONCRETE BRIDGE
	EC SOCKET

	OFC
	'6' QUAD
	'4' QUAD
	'6' QUAD + OFC
	OLD '6' QUAD
	OFC + '4' QUAD



PULICHERLA →

← PILER

LHS

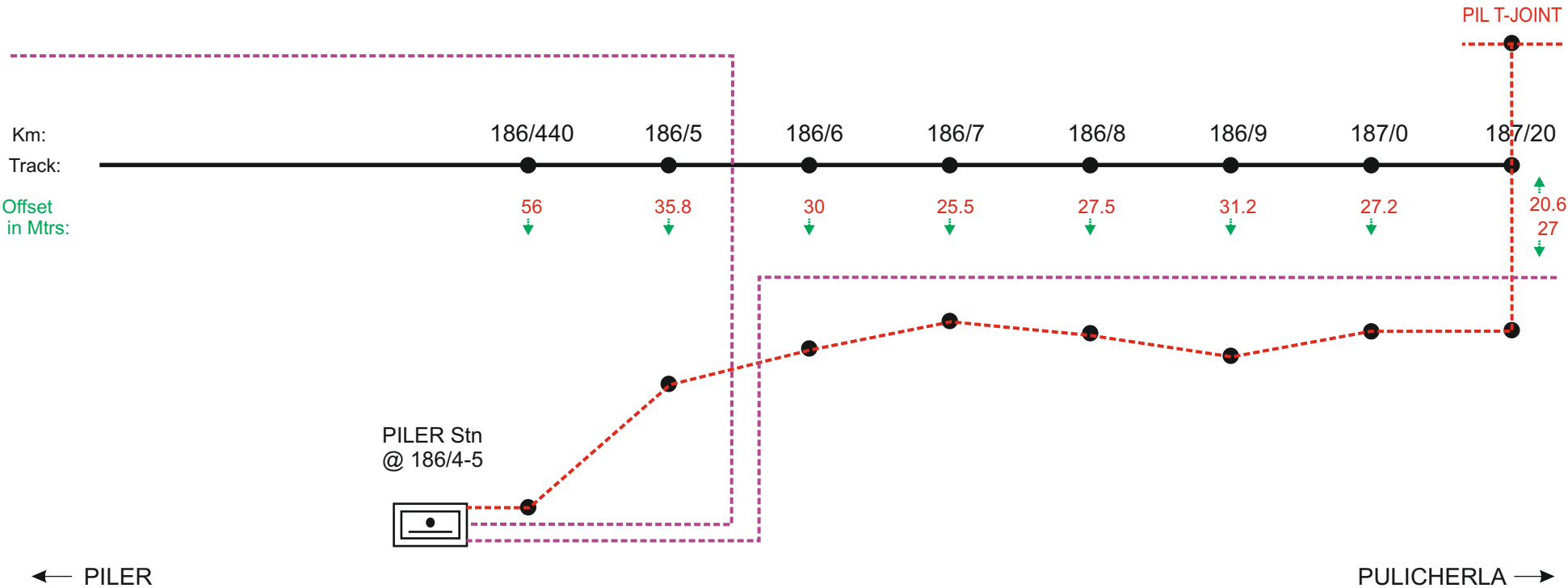
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		01	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



LHS

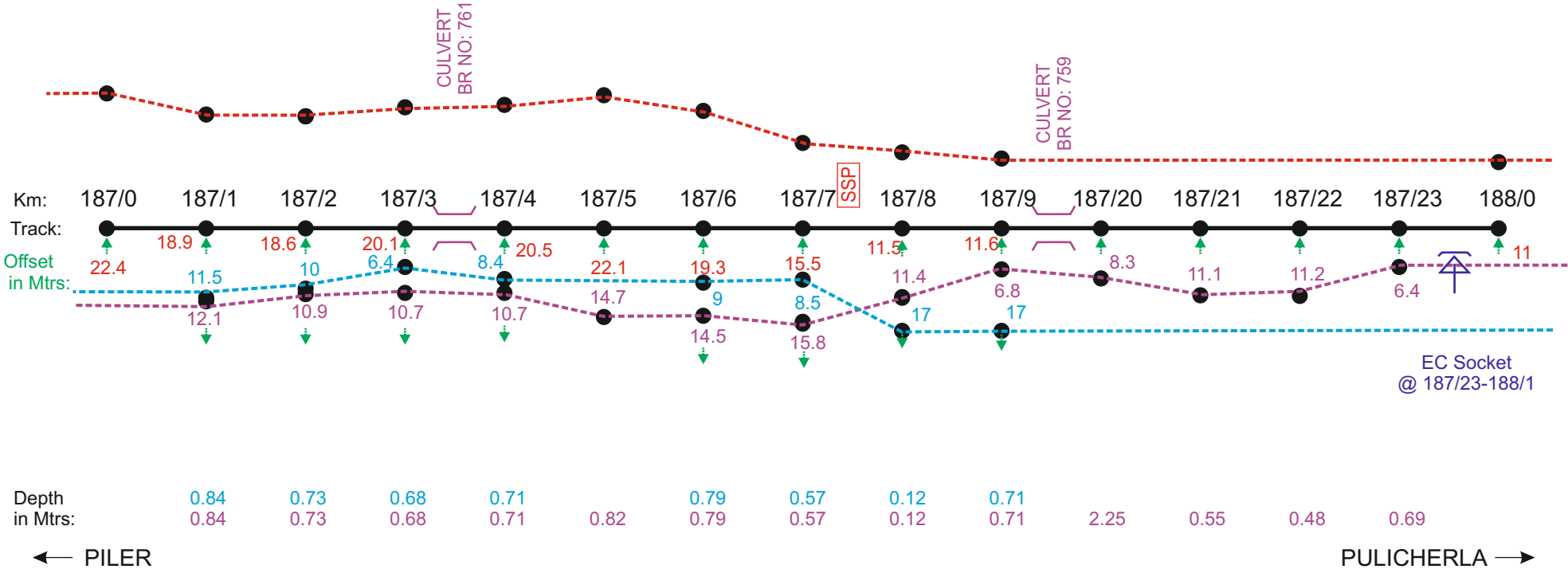
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		02	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



LHS

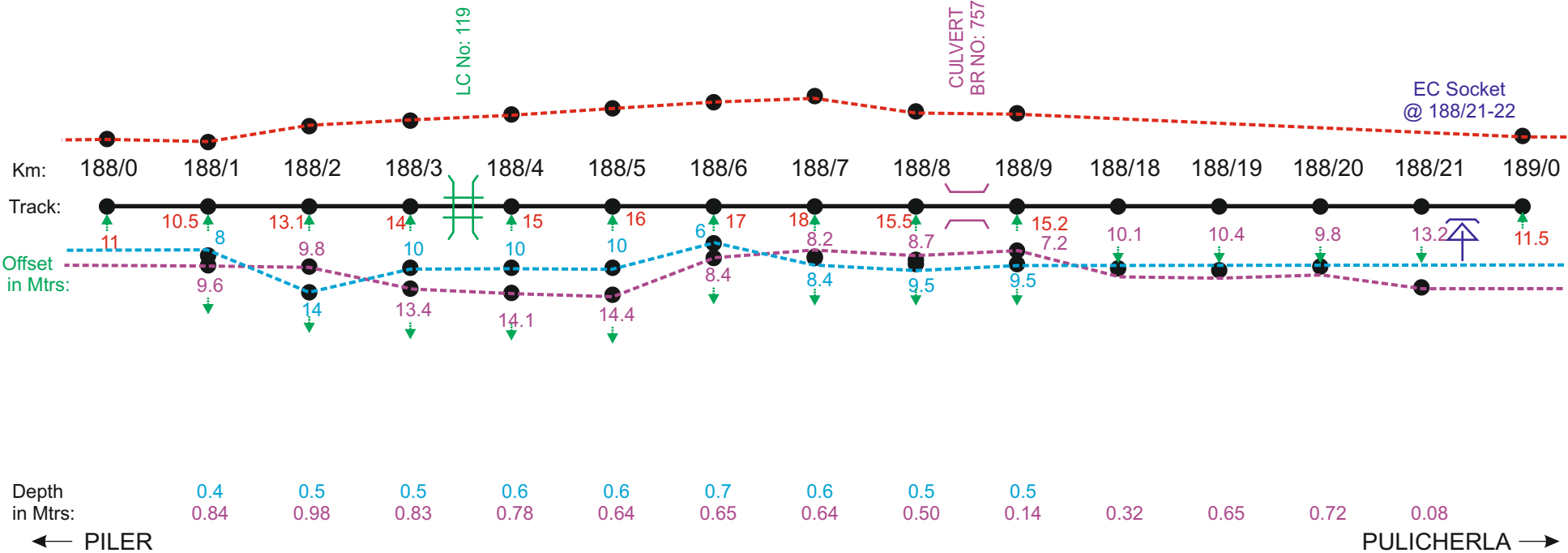
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		03	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



LHS

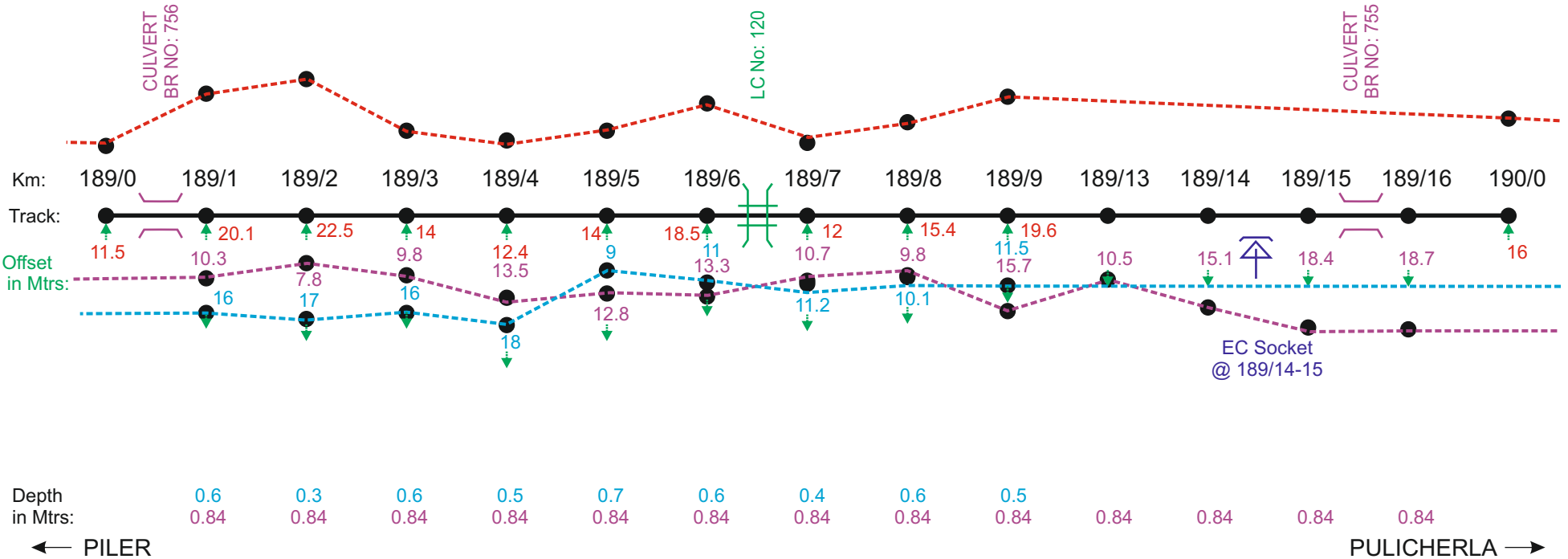
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		04	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



← PILER

PULICHERLA →

LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		05	44

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC+ '4' QUAD

The diagram illustrates the cross-section of a road project from station 190/0 to 191/0. The road track is shown as a solid black line. The offset in meters is shown as a dashed blue line. The depth in meters is shown as a dashed purple line. Key features include culverts at stations 190/7, 190/8, 190/9, 190/15, 190/16, and 190/18. An EC socket is located at station 190/20-21. The diagram is oriented with PILER on the left and PULICHERLA on the right.

Station	Offset in Mtrs	Depth in Mtrs
190/0	16	0.4
190/1	17.6	0.55
190/2	23.5	0.6
190/3	18.7	0.6
190/4	15.1	0.3
190/5	18	0.5
190/6	21.5	0.52
190/7	35.5	0.55
190/8	23	0.55
190/9	18.4	0.56
190/14	14.4	0.81
190/15	20.4	0.98
190/16	23.3	0.81
190/18	29.4	0.34
190/19	29.4	0.62
190/20-21	30.1	0.81
190/21	26.2	0.73
190/22	23.4	0.68
190/23	17.8	0.68
191/0	21.4	0.68

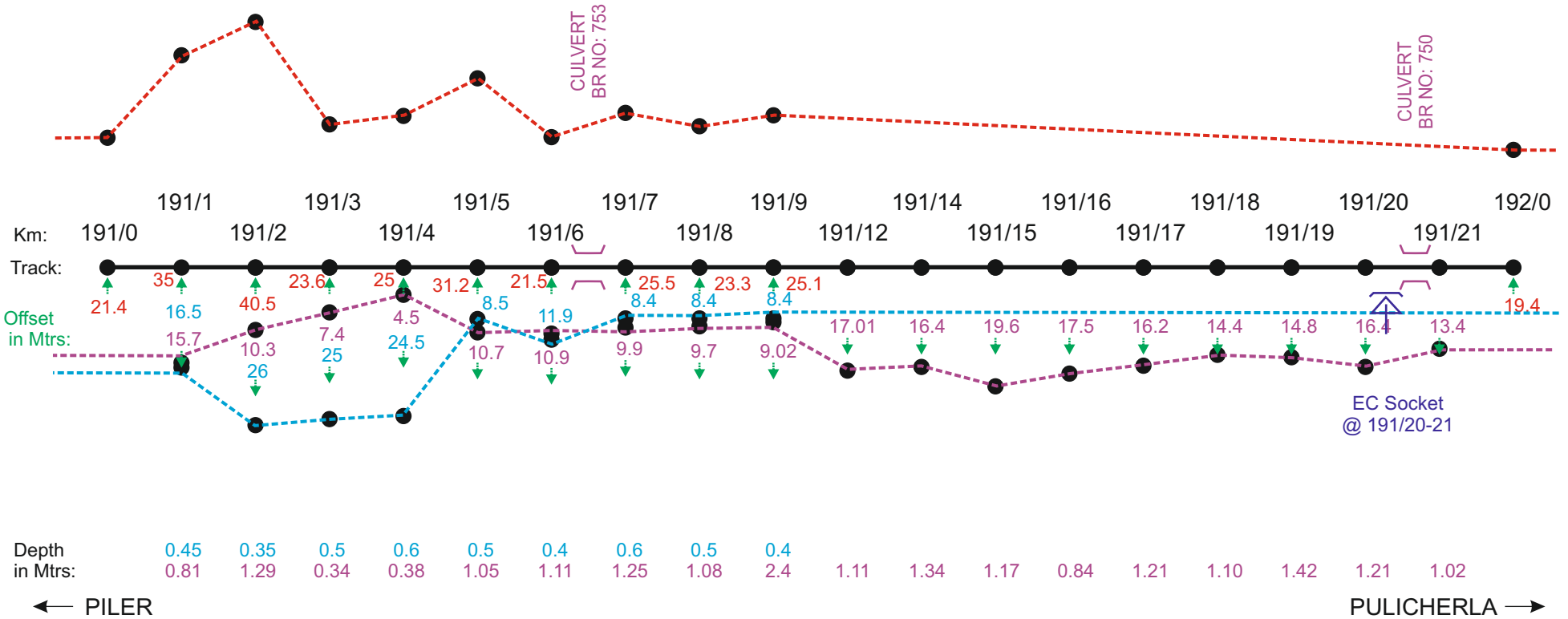
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		06	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		07	44

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC+ '4' QUAD

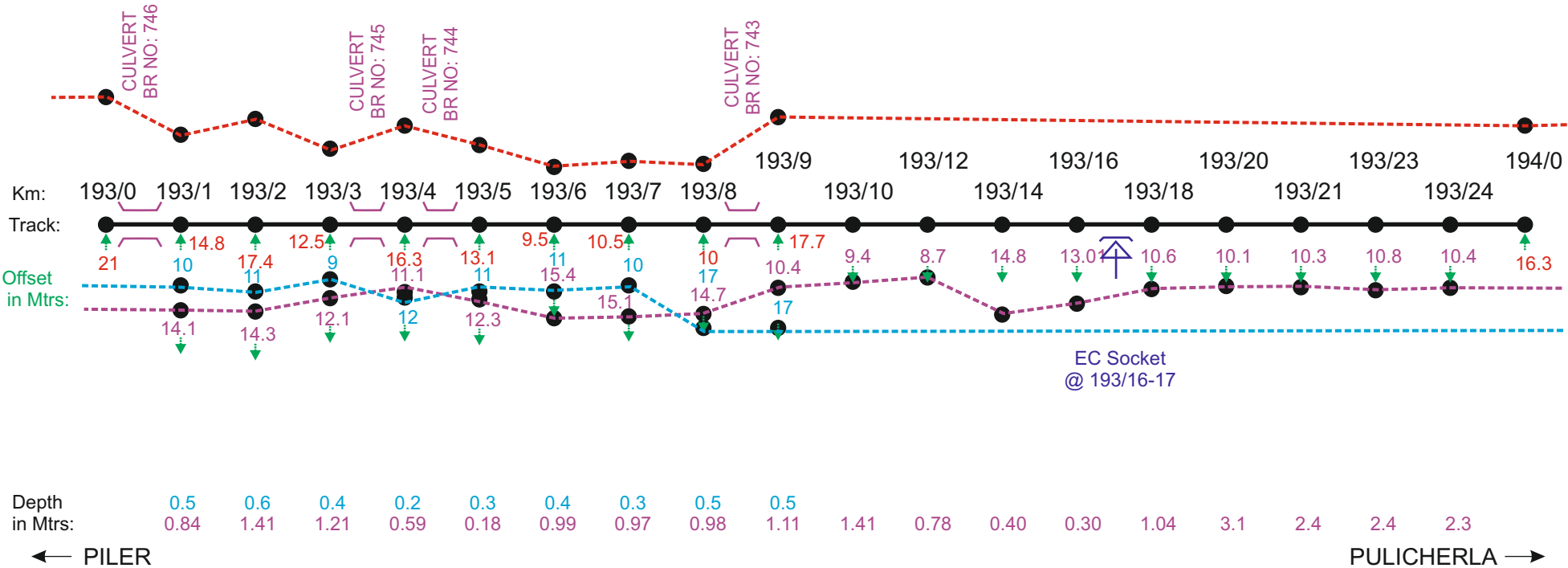
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		08	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



← PILER

PULICHERLA →

LHS

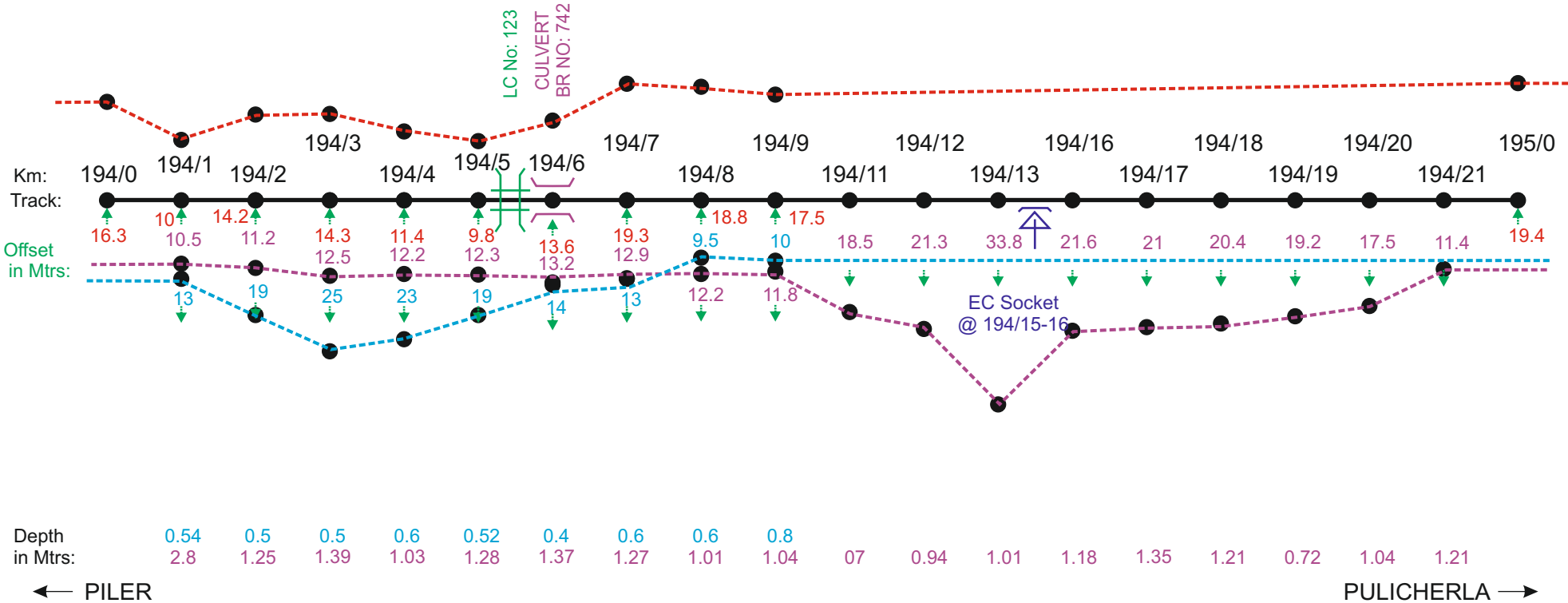
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		09	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS



LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		10	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS

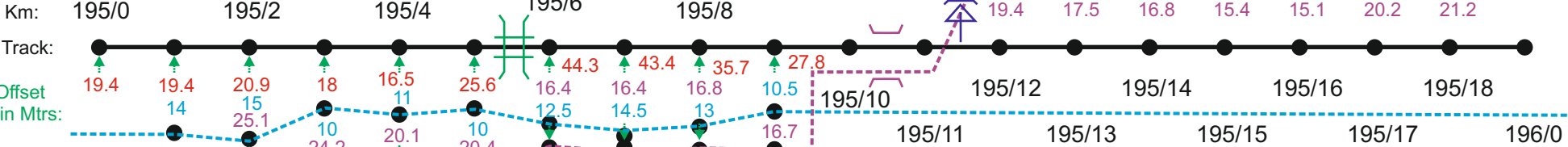
Depth
in Mtrs:

0.74 1.15 0.92 0.71 0.81 0.63 1.37

EC Socket
@ 195/11-12

CULVERT
BR NO: 740

LC No: 124



Depth
in Mtrs:

0.4 0.5 0.6 0.6 0.6 0.3 0.4 0.4 0.3 0.78
1.02 1.25 1.23 1.31 1.11 1.39 1.17 1.87 1.06

← PILER

PULICHERLA →

LHS

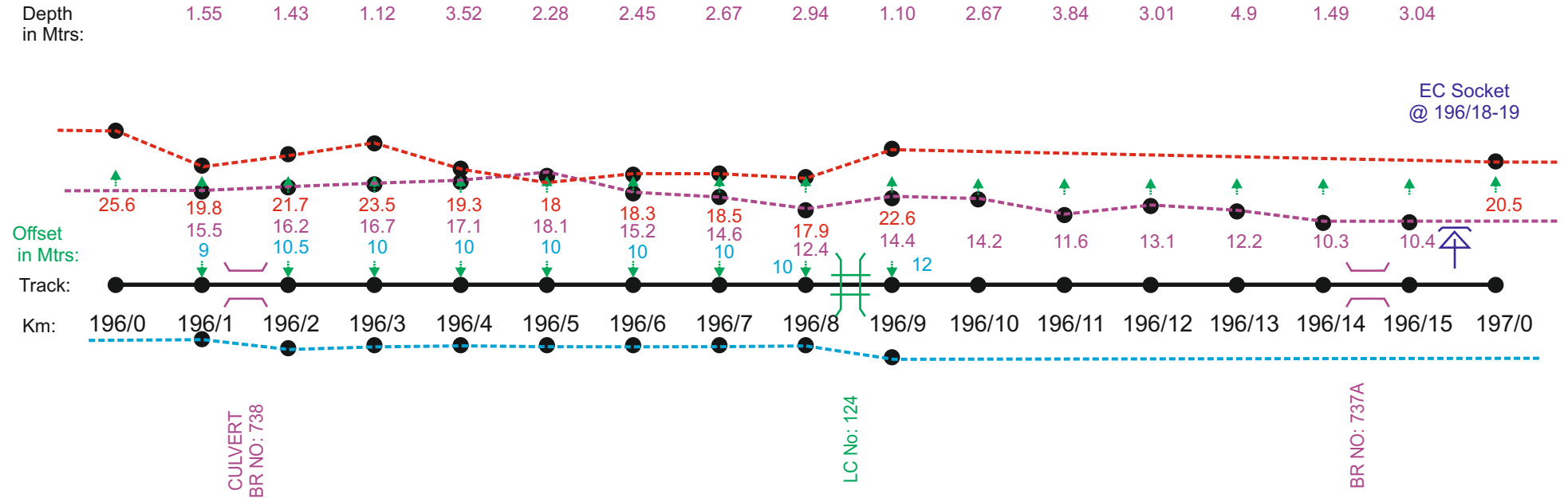
NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		11	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC+ '4' QUAD

RHS



LHS

← PILER PULICHERLA →

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		12	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS

Depth
in Mtrs:

Offset
in Mtrs:

Track:

Km: 197/0 197/1 197/2 197/3 197/4 197/5 197/6 197/7 197/8 197/9 197/10 197/11 197/12 197/13 197/14 197/15 198/0

Depth
in Mtrs:

← PILER

PULICHERLA →

LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		13	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC+ '4' QUAD

RHS

Depth
in Mtrs:

1.32 1.84 1.41 1.02 1.04 1.57 1.72 2.85 1.19 0.49 0.45 0.43 1.32 1.79 0.46 0.60

Offset
in Mtrs:

Track:

Km: 198/0 198/1 198/2 198/3 198/4 198/5 198/6 198/7 198/8 198/9 198/10 198/11 198/12 198/13 198/14 198/15 198/16 198/17 199/0

CULVERT
BR NO: 735

CULVERT
BR NO: 734

BR NO: 732A

EC Socket
@ 198/7-8

Depth
in Mtrs:

0.35 0.25 0.3 0.4 0.3 0.3 0.4 0.3 0.42 0.5 0.35

← PILER

PULICHERLA →

LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		14	44

LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
	UMLC		ROB		'4' QUAD
	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS

Depth
in Mtrs:

2.04 2.78 2.72 1.05 1.84 1.32 1.24 1.04 0.94 1.08 2.76 0.98 0.97 1.24 1.328 1.02 1.18 1.86

Offset
in Mtrs:

Track:

Km: 199/0 199/1 199/2 199/3 199/4 199/5 199/6 199/7 199/8 199/9 199/10 199/11 199/12 199/13 199/14 199/15 199/16 199/18 199/19 200/0

Depth
in Mtrs:

← PILER

0.4 0.3 0.5 0.5 0.3 0.4 0.3 0.3 0.6 0.45 0.4

PULICHERLA →

LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		15	44

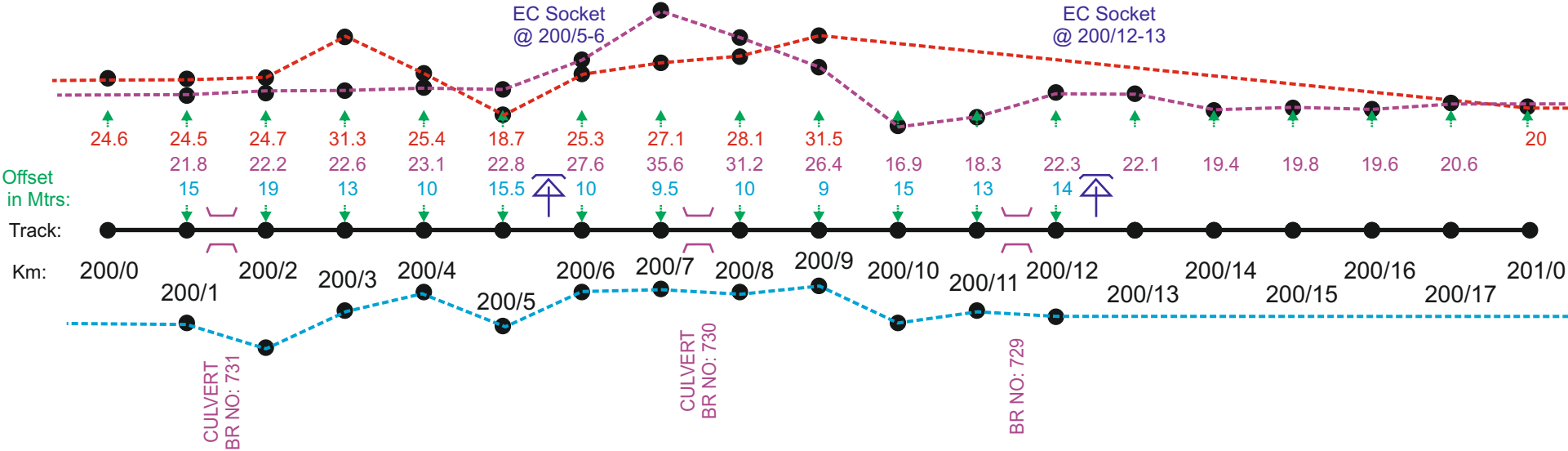
LEGEND

	POWER CABLE CROSSING		TRACK (Double Line)		OFC
	MLC		TRACK (Single Line)		'6' QUAD
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	ILC		GIRDER BRIDGE		'6' QUAD + OFC
	OUT OF BOUNDRY		CONCRETE BRIDGE		OLD '6' QUAD
	OCCUPIED BY FORMER INSIDE BOUNDRY		EC SOCKET		OFC + '4' QUAD

RHS

Depth
in Mtrs:

1.24 1.28 1.43 1.34 1.21 0.29 0.09 0.93 0.82 0.89 0.68 0.60 0.66 0.84 0.88 0.94 1.28



Depth
in Mtrs:

0.35 0.5 0.45 0.35 0.4 0.4 0.4 0.35 0.5 0.45 0.45 0.4

← PILER

PULICHERLA →

LHS

NOTE :- MEASUREMENT IN METERS FROM CENTER LINE OF THE TRACK.

	DRAWN	SIGNAL & TELECOMMUNICATIONS	
	SSE/TELE	OFC + QUAD UNDER GROUND CABLE ROUTE DIAGRAM BET : PILER - PAKALA	
	ADSTE		
		SHEET	SHEETS
		16	44