NORTHERN RAILWAY

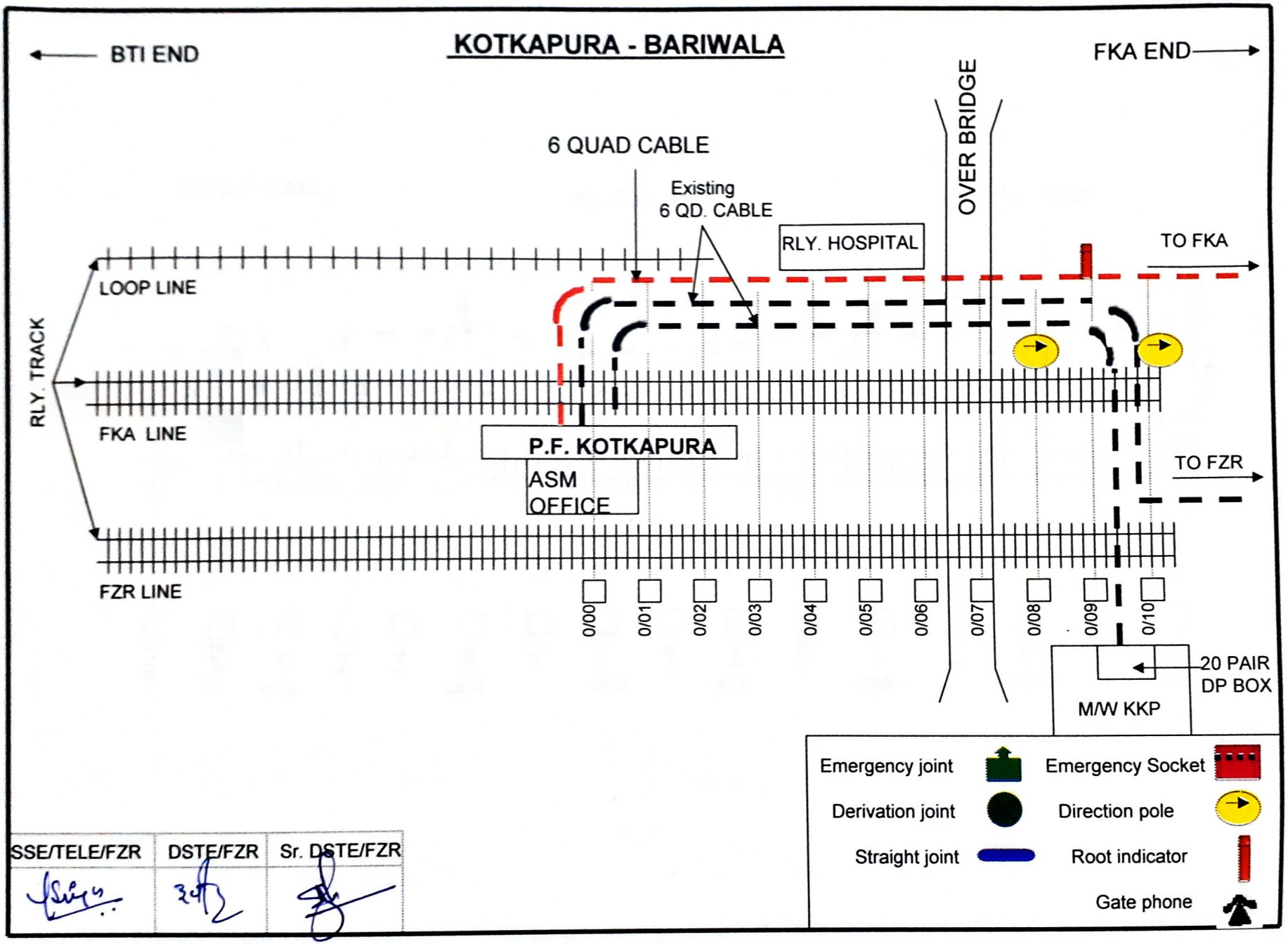
FINAL CABLE ROUTE PLAN

FOR

KOTKAPURA

TO

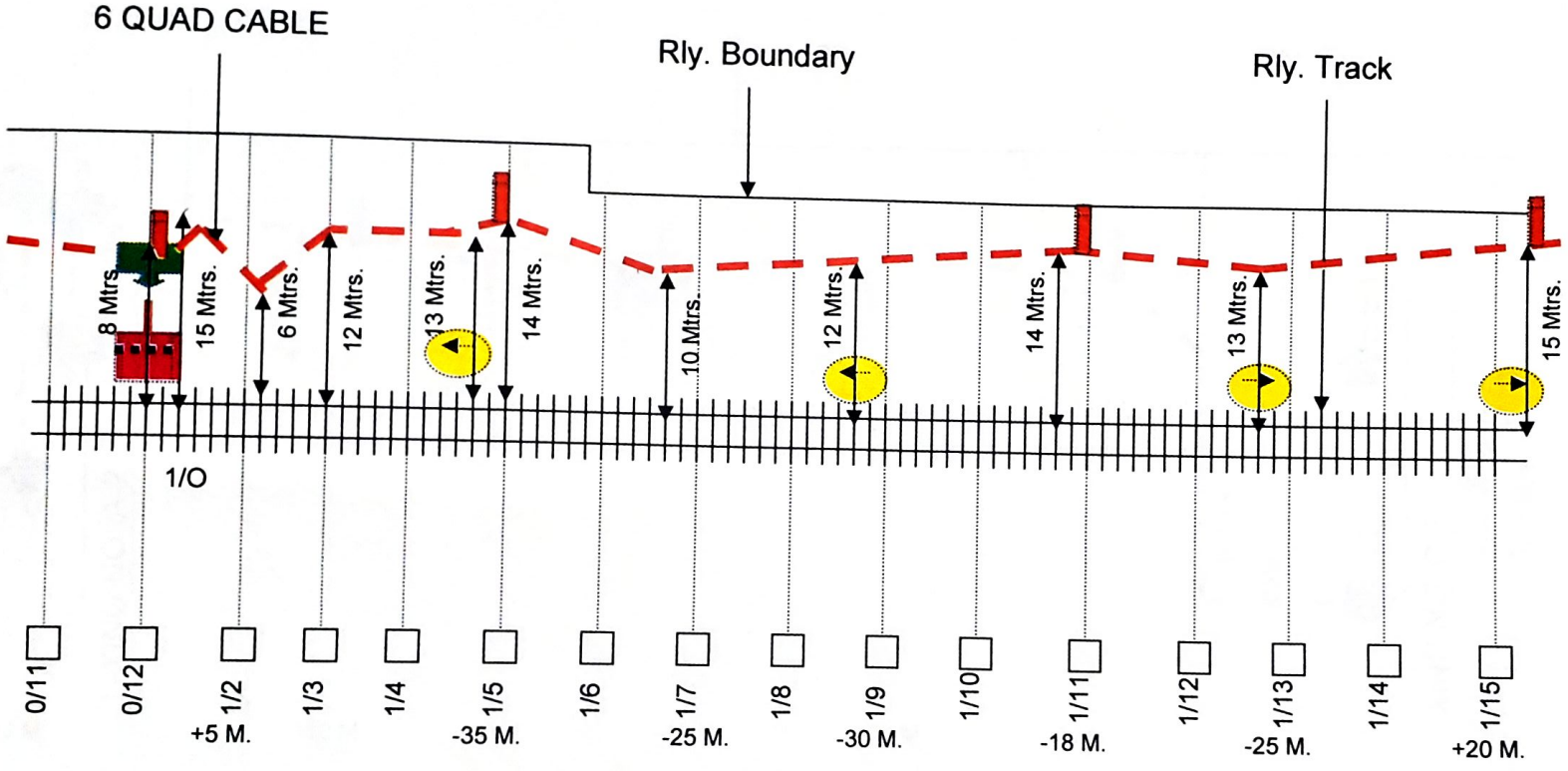
FAZILKA


KOTKAPURA - BARIWALA
BTI END
FKA END
6 QUAD CABLE
Existing
6 QD. CABLE
OVER BRIDGE
RLY. HOSPITAL
TO FKA
LOOP LINE
RLY. TRACK
FKA LINE
P.F. KOTKAPURA
ASM
OFFICE
TO FZR
FZR LINE
0/00
0/01
0/02
0/03
0/04
0/05
0/06
0/07
0/08
0/09
0/10
20 PAIR
DP BOX
M/W KKP
Emergency joint
Emergency Socket
Derivation joint
Direction pole
Straight joint
Root indicator
Gate phone
SSE/TELE/FZR
DSTE/FZR
Sr. DSTE/FZR

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

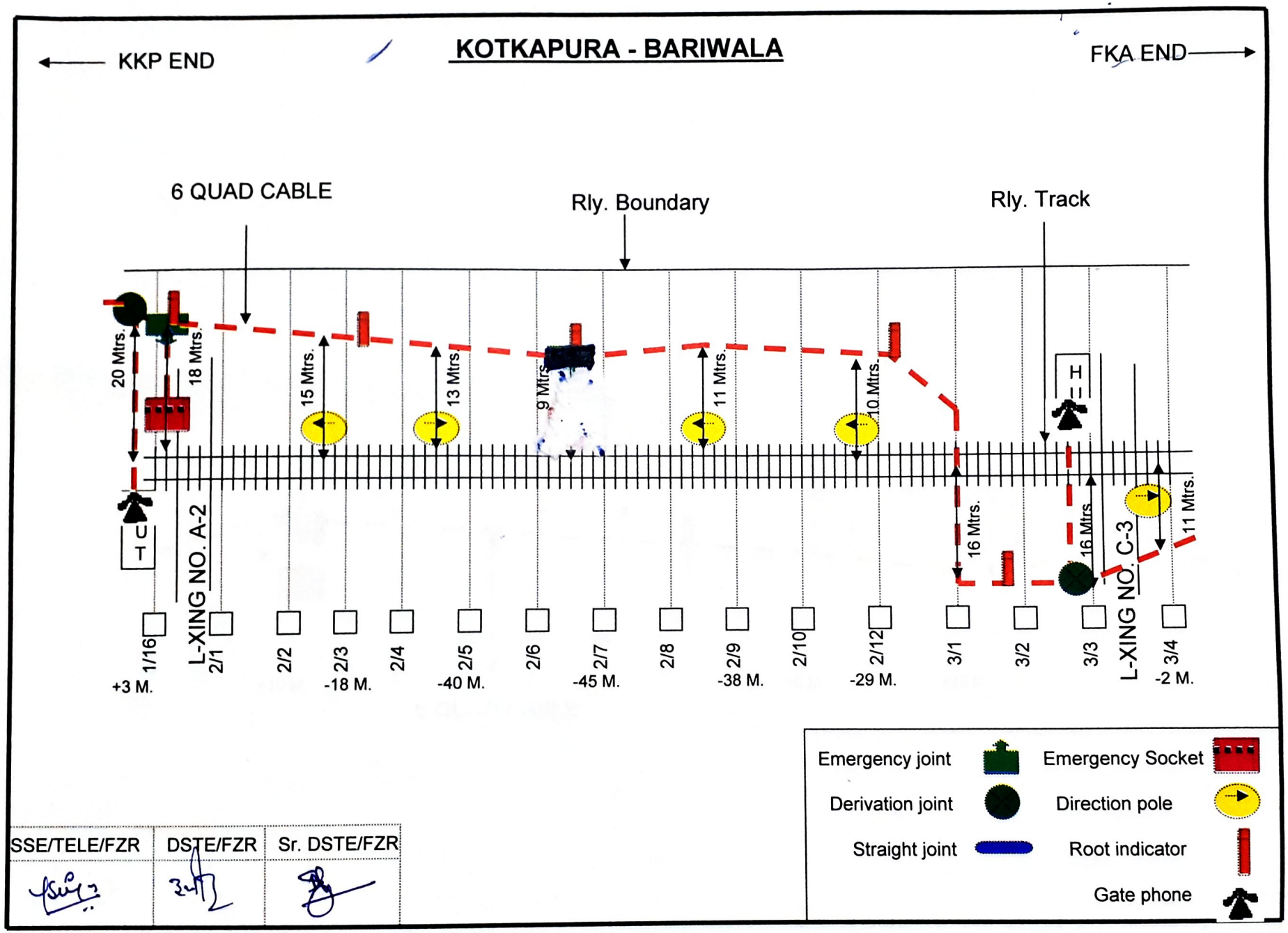
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

KOTKAPURA - BARIWALA

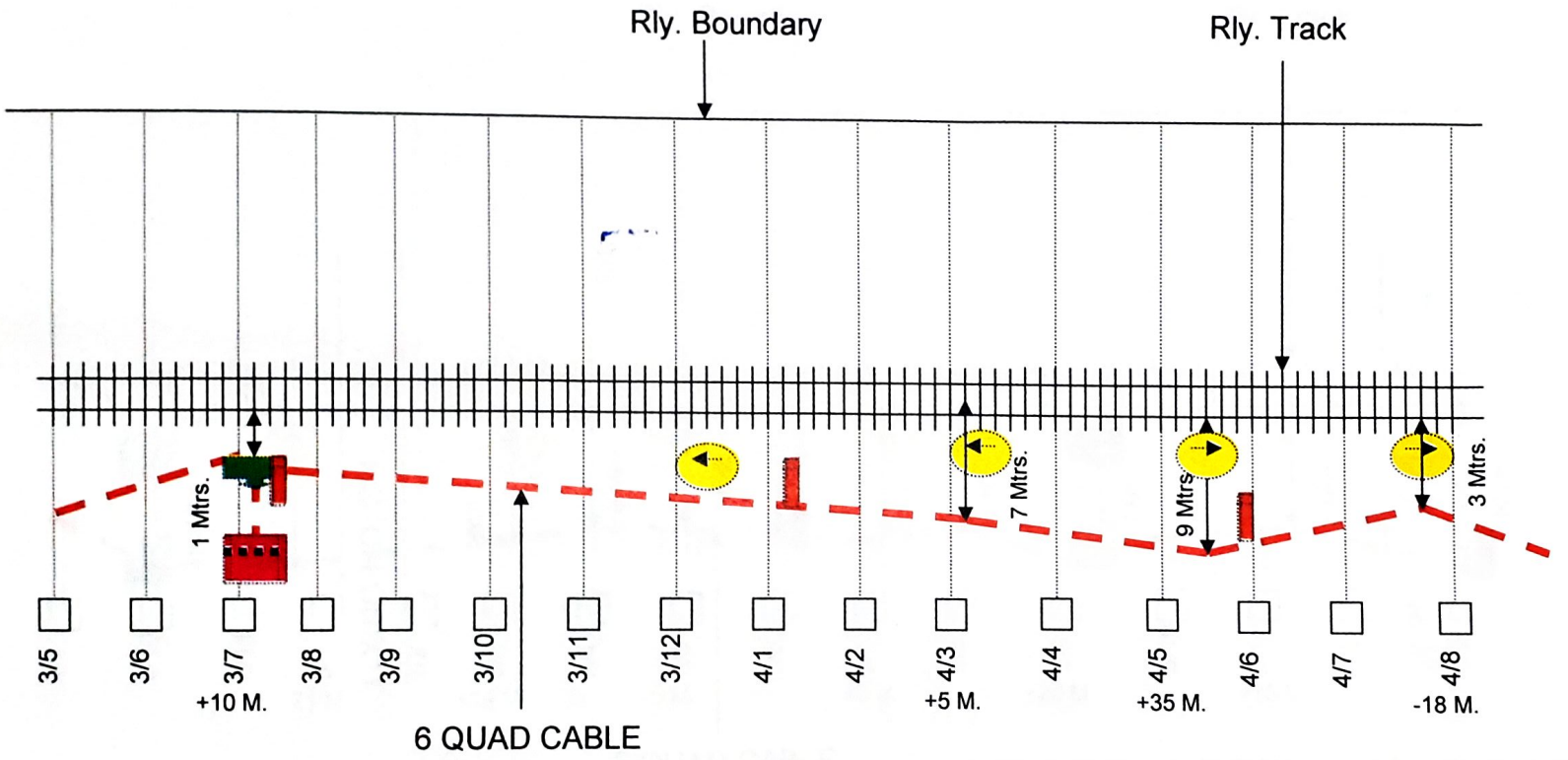


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

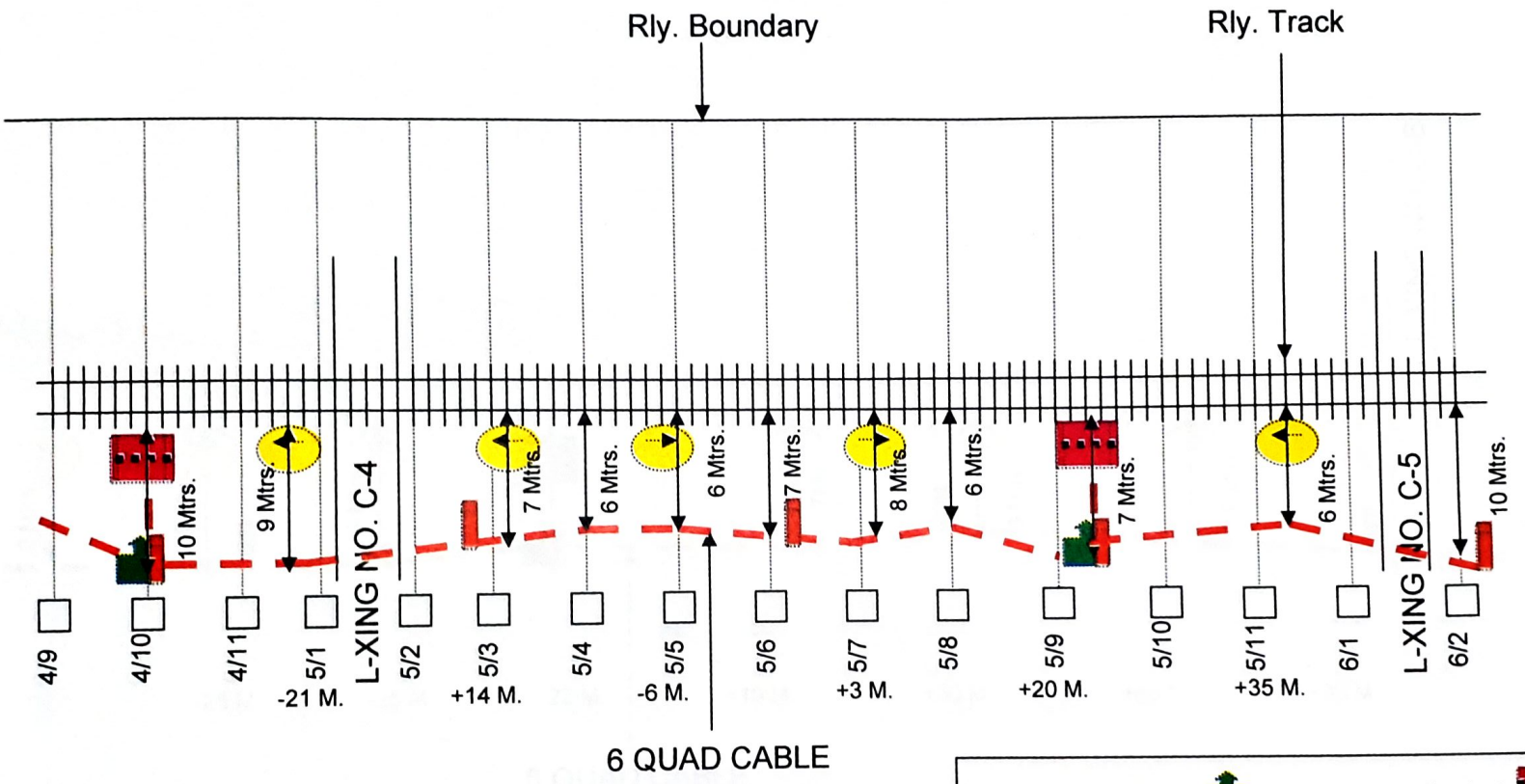
Root indicator

Gate phone

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

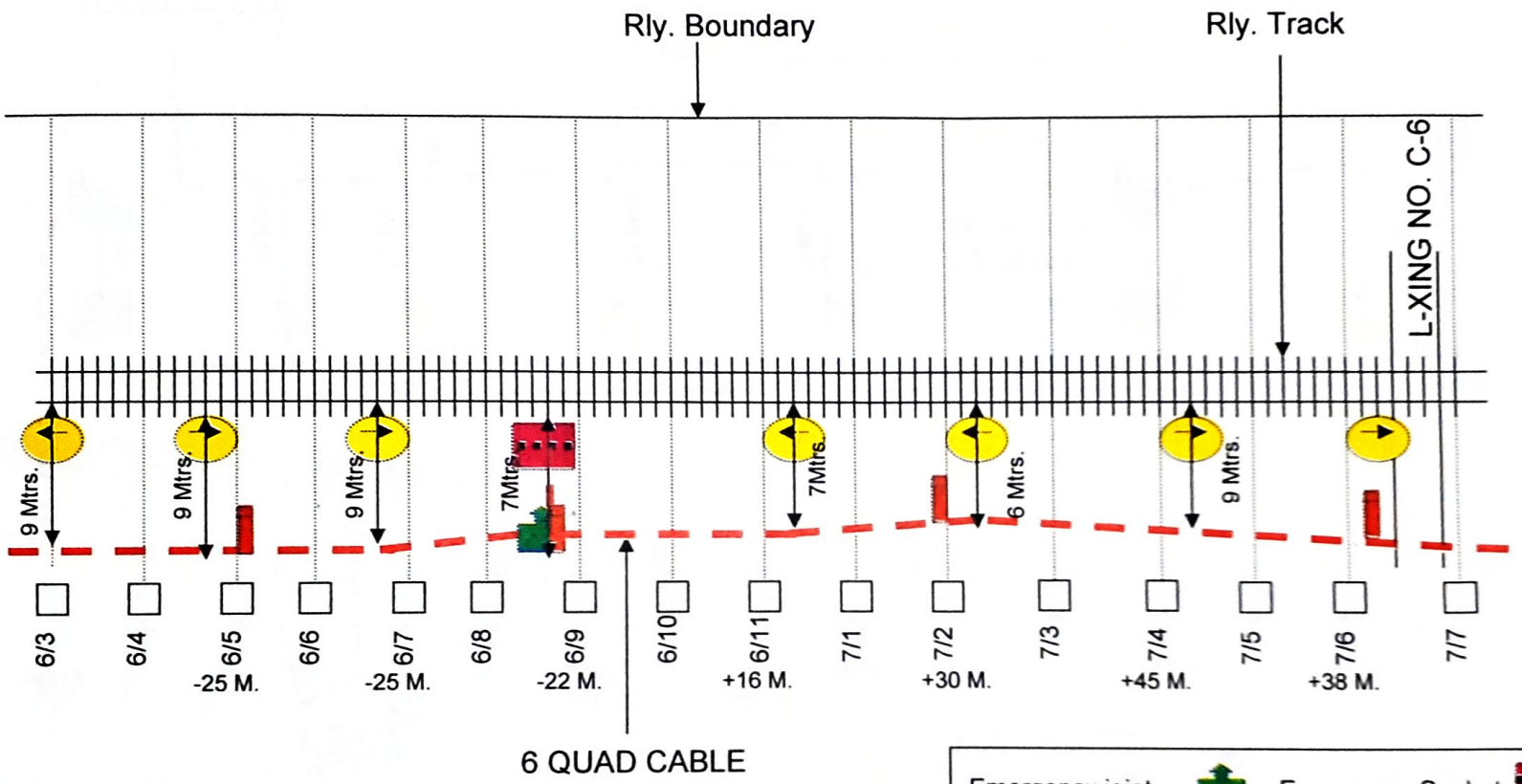
Straight joint — Root indicator

Gate phone

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

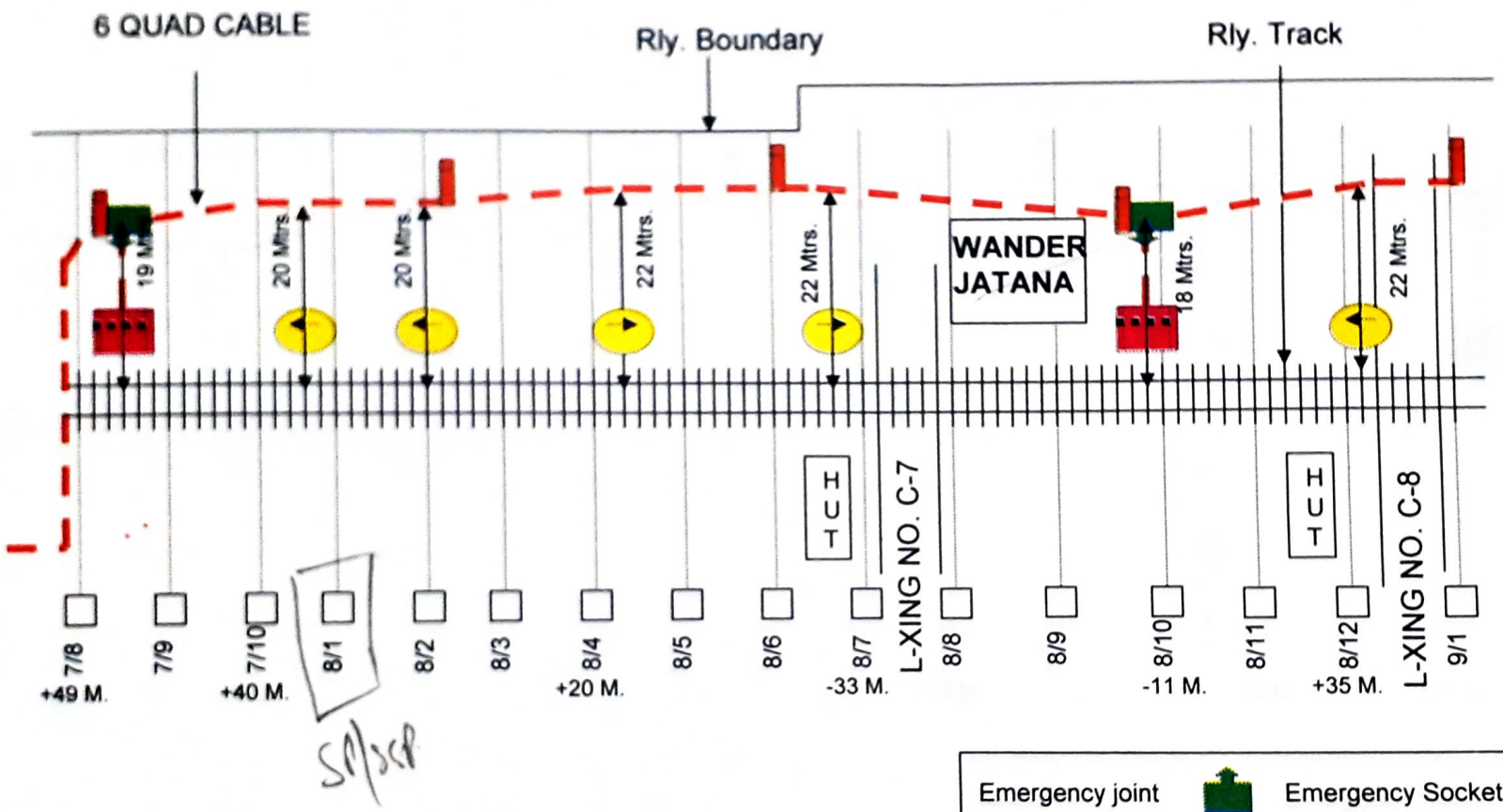
Straight joint — Root indicator

Gate phone

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

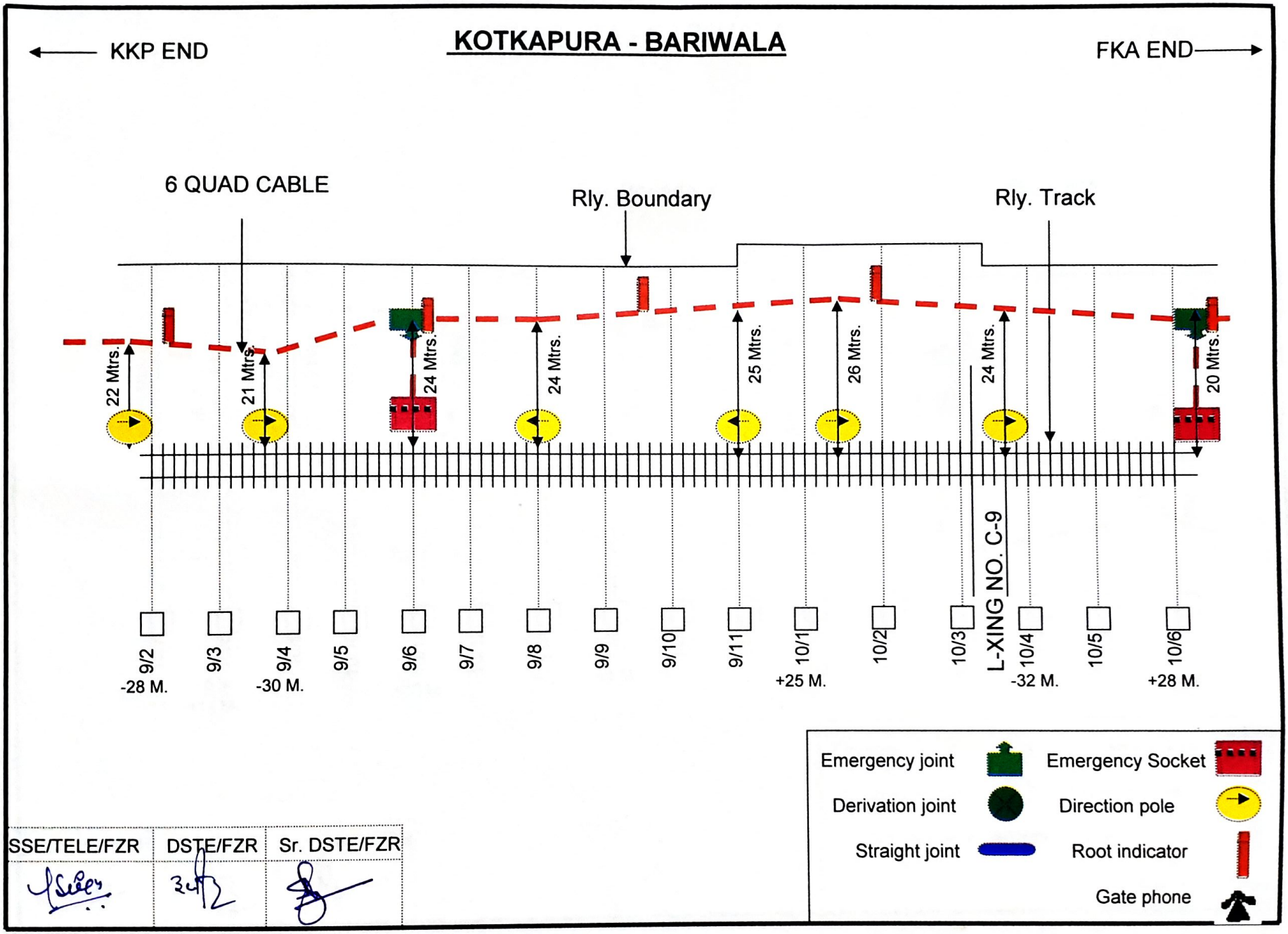
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

KOTKAPURA - BARIWALA

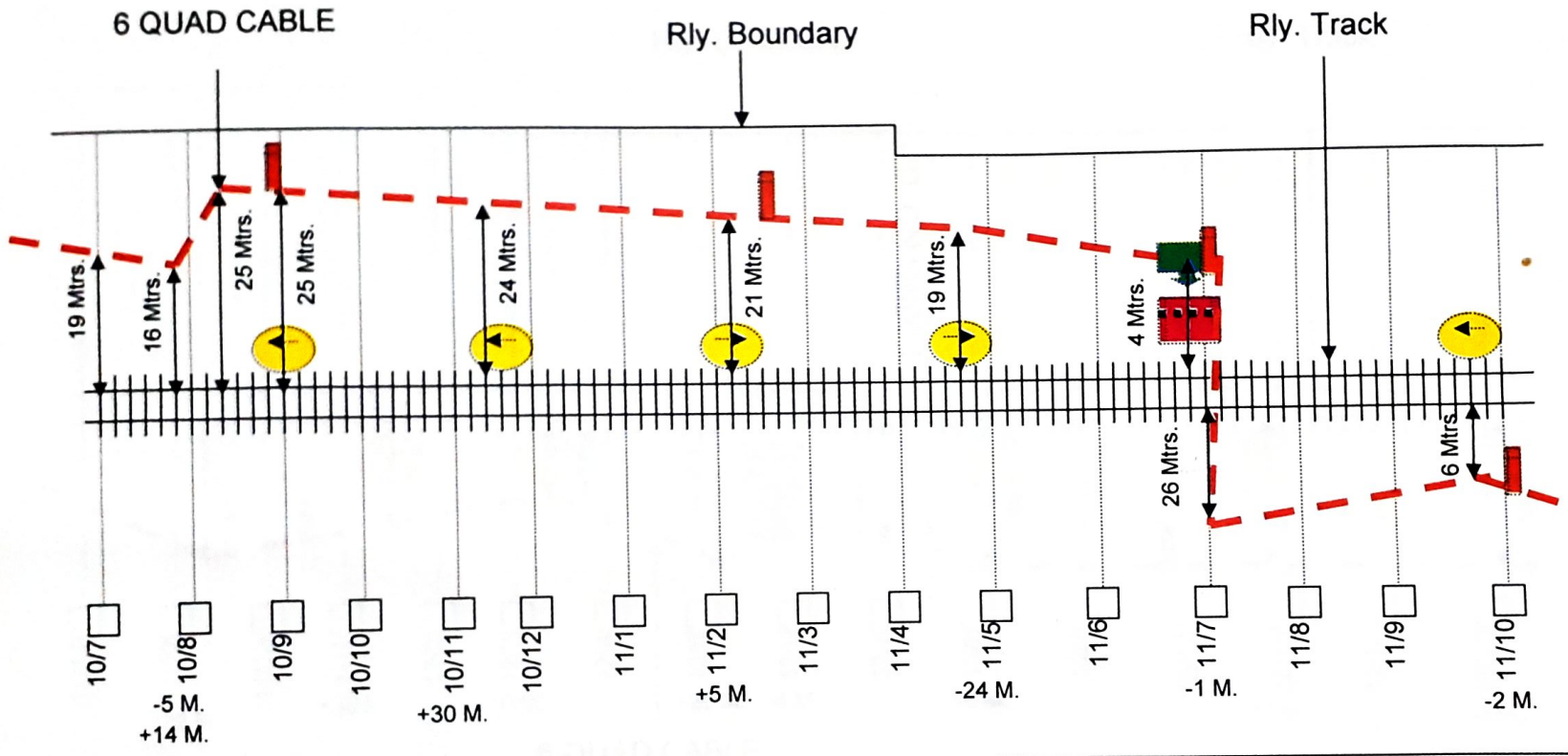


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

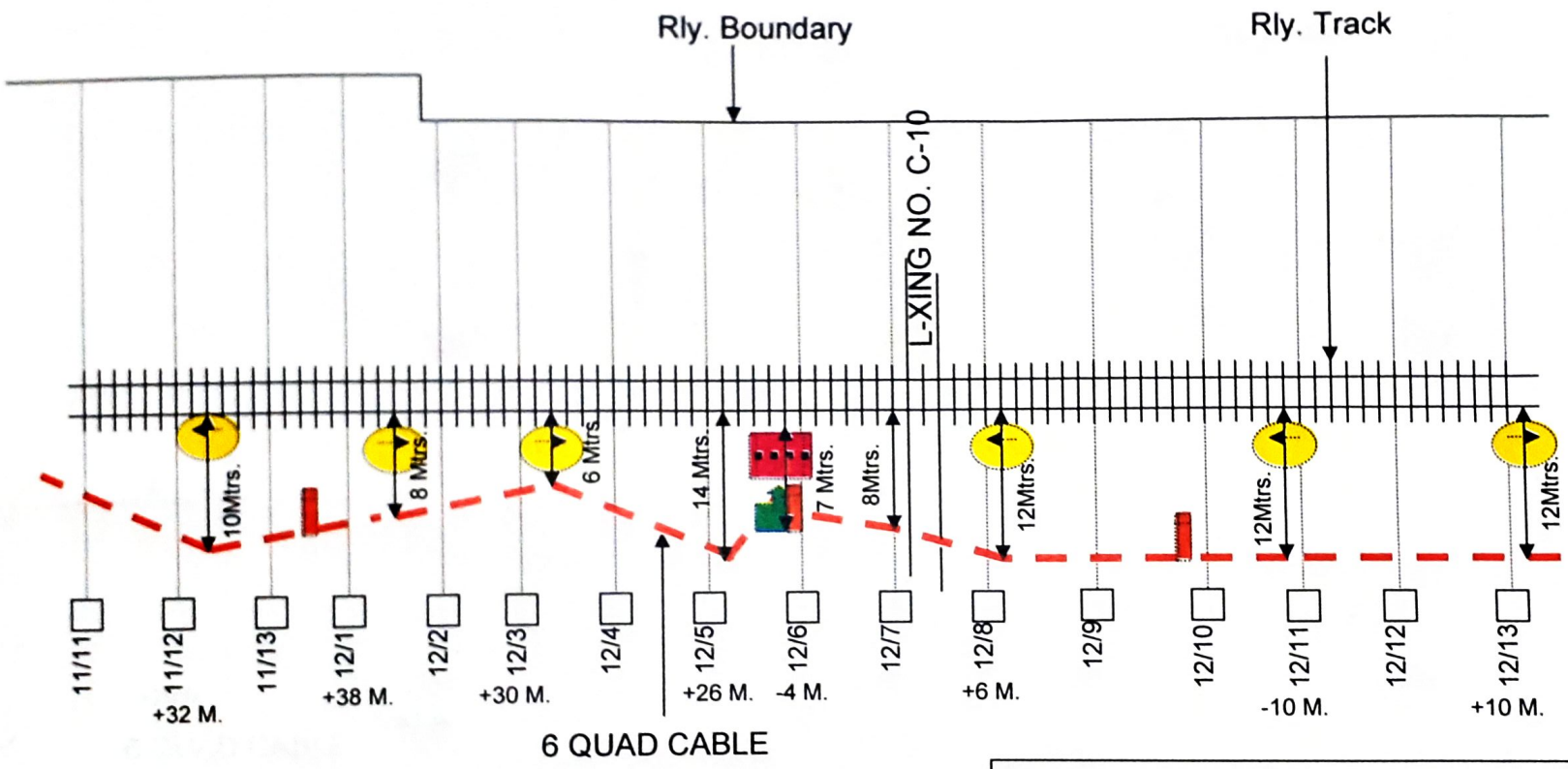
Root indicator

Gate phone

KOTKAPURA - BARIWALA

KKP END ←

→ FKA END



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

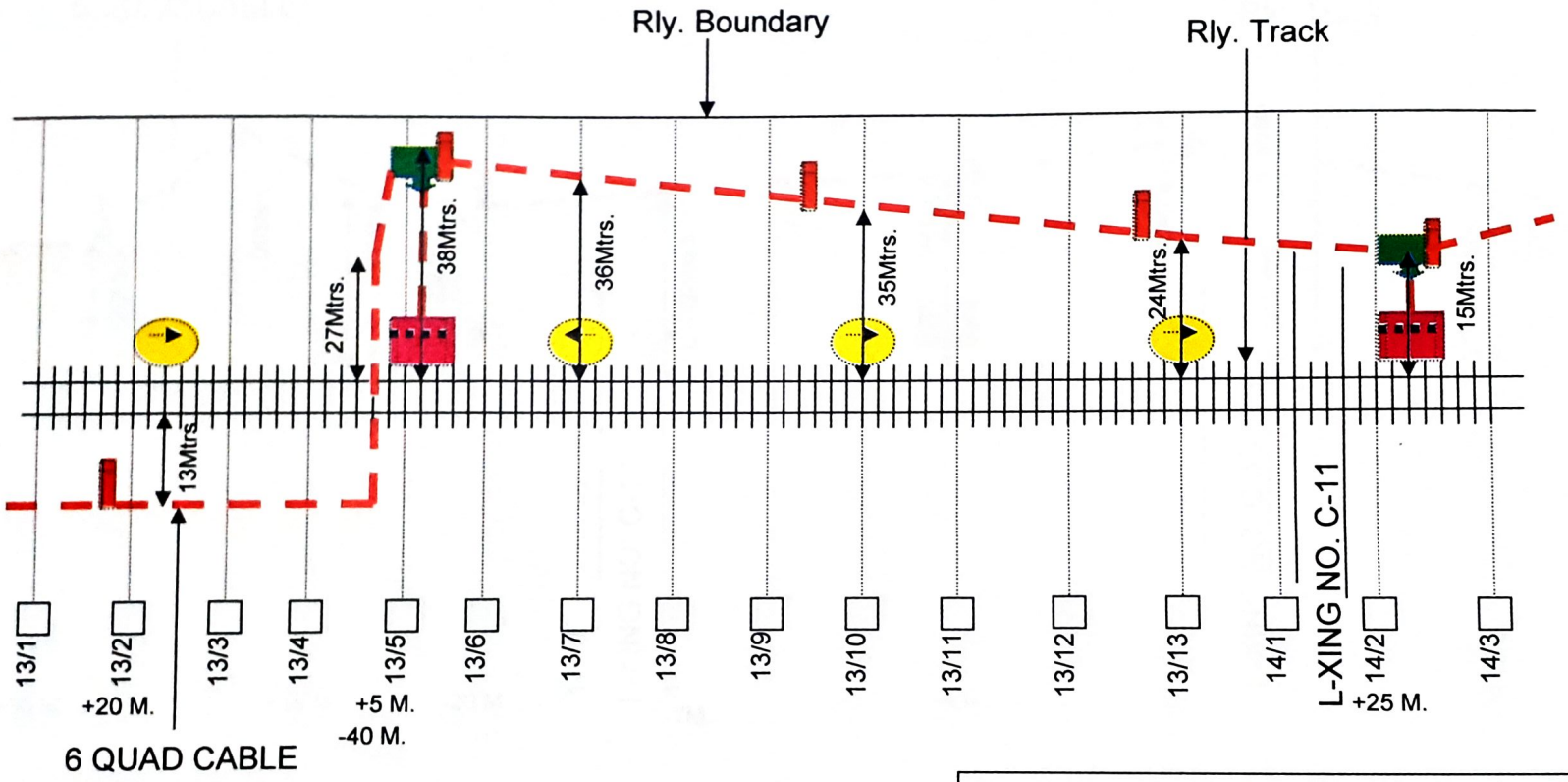
Straight joint — Root indicator

Gate phone

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

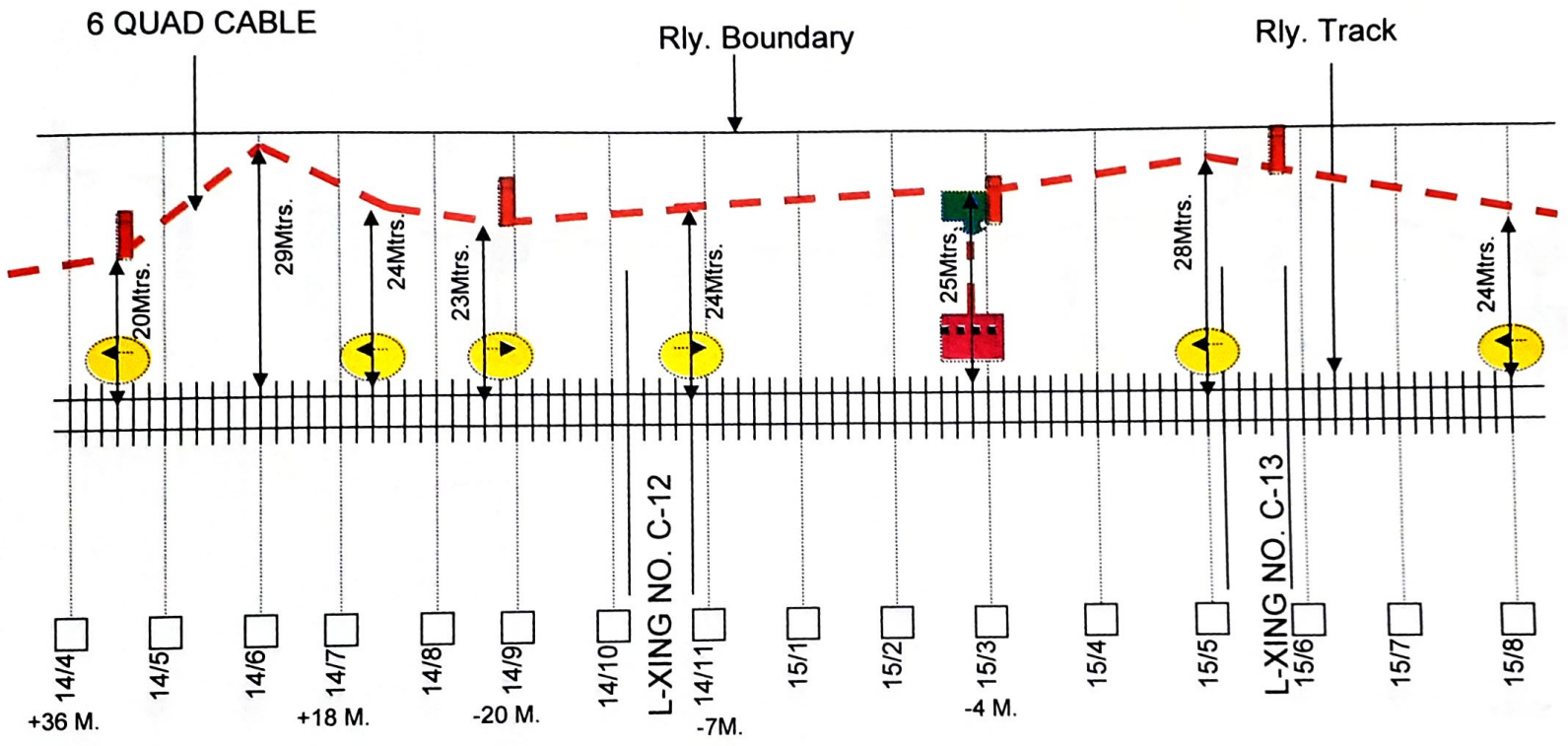
Root indicator

Gate phone

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Emergency Socket

Derivation joint

Direction pole

Straight joint

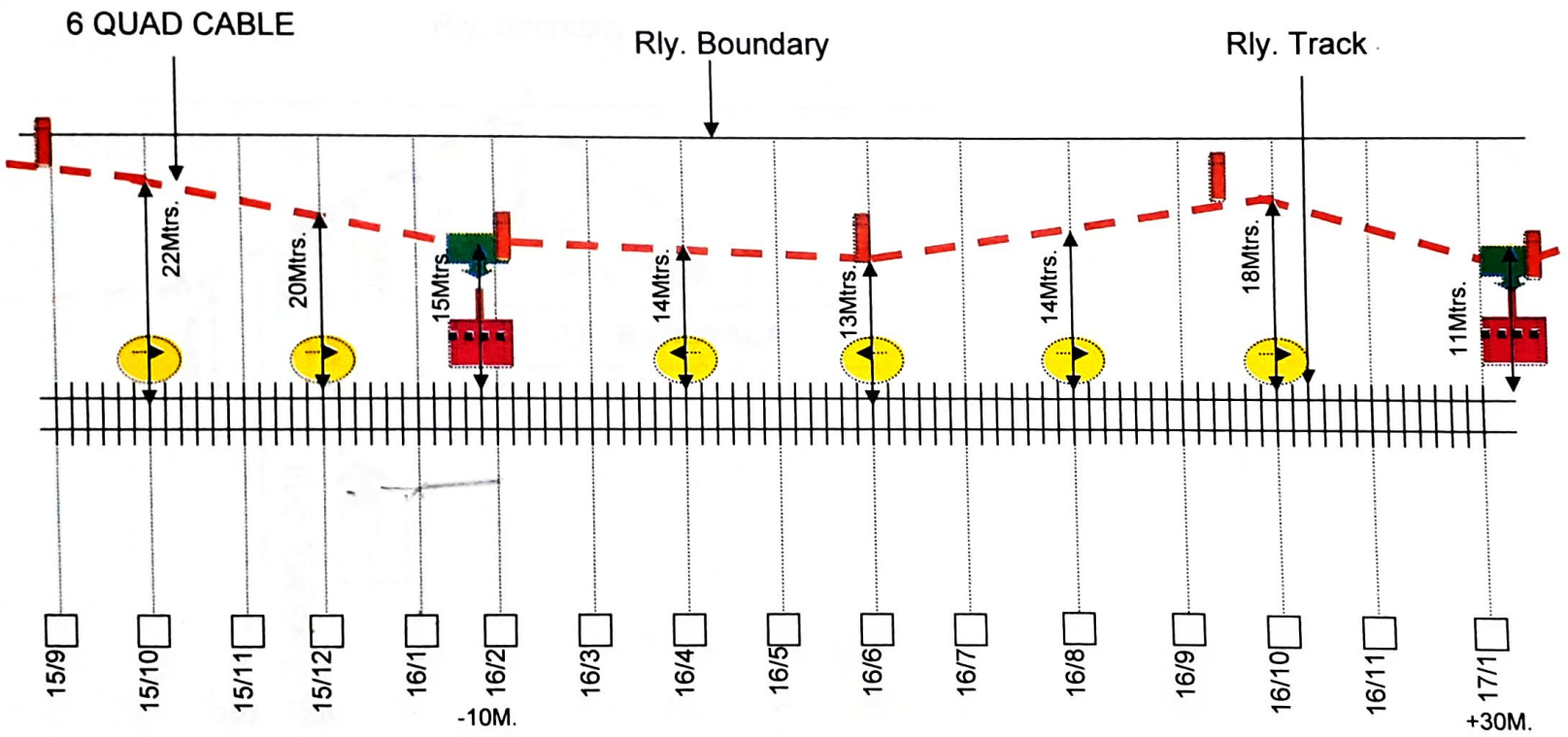
Root indicator

Gate phone

KOTKAPURA - BARIWALA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Emergency Socket

Derivation joint

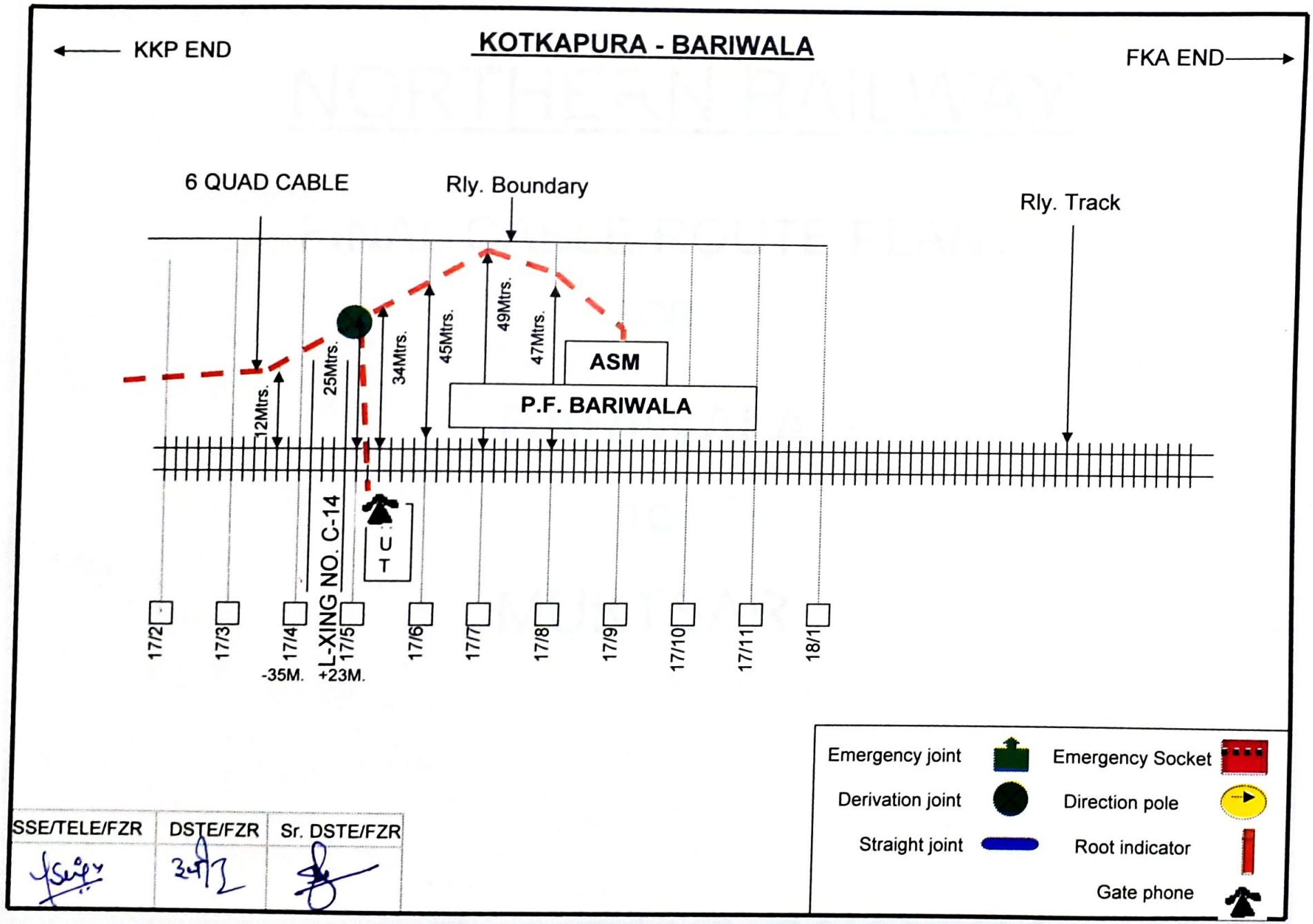
Direction pole

Straight joint

Root indicator

Gate phone

KOTKAPURA - BARIWALA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

NORTHERN RAILWAY

FINAL CABLE ROUTE PLAN

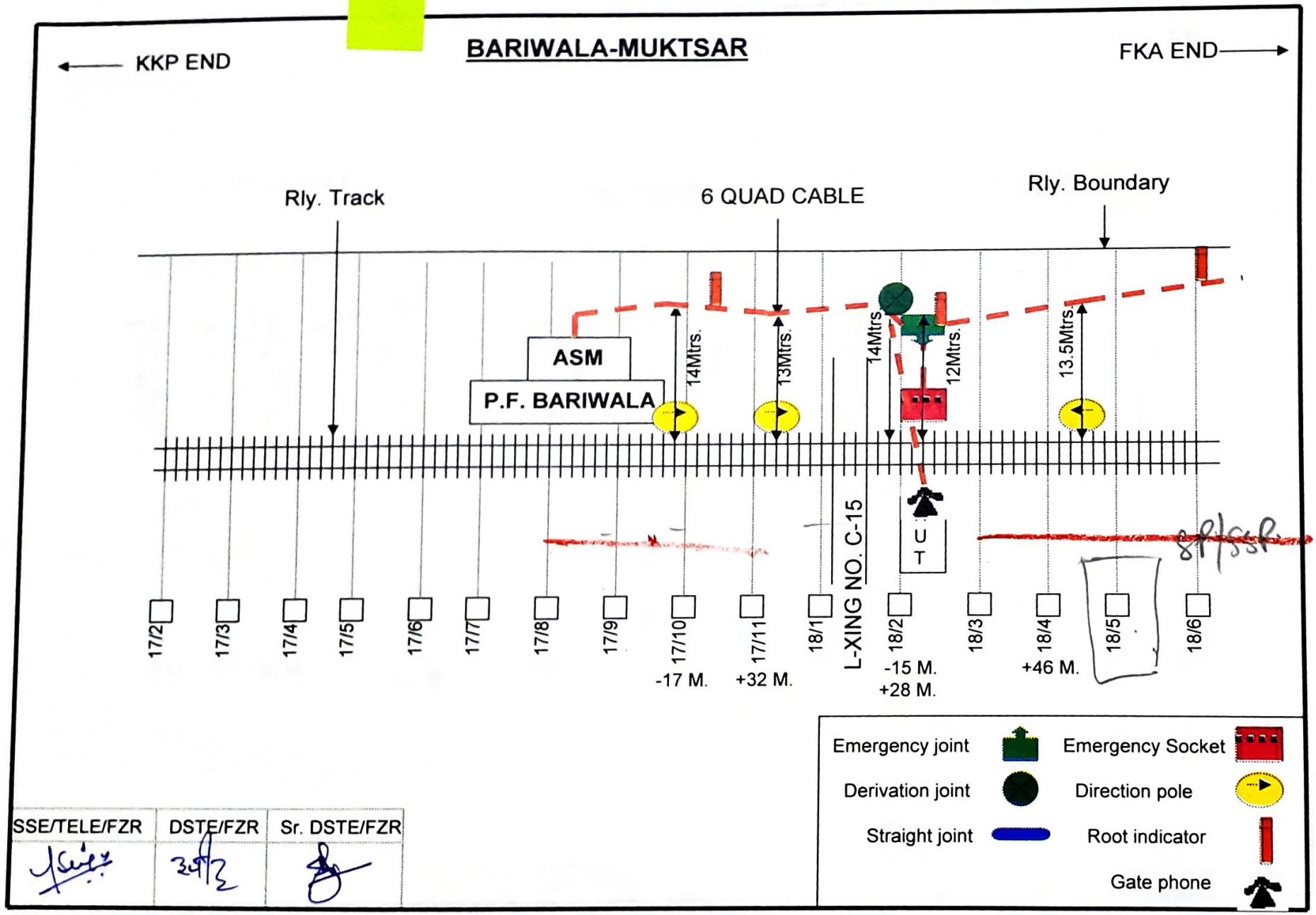
FOR

BARIWALA

TO

MUKTSAR

BARIWALA-MUKTSAR

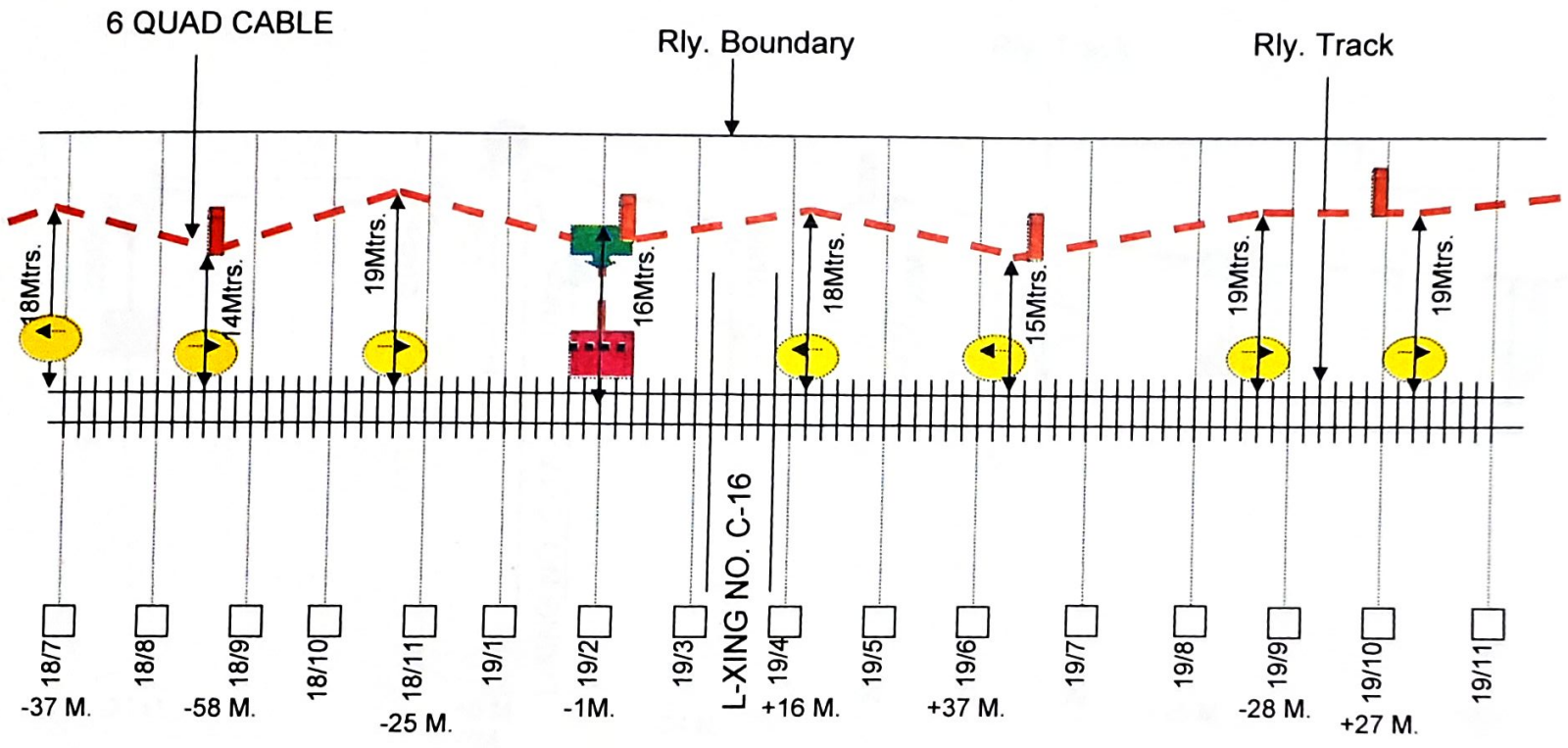


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	30/3	

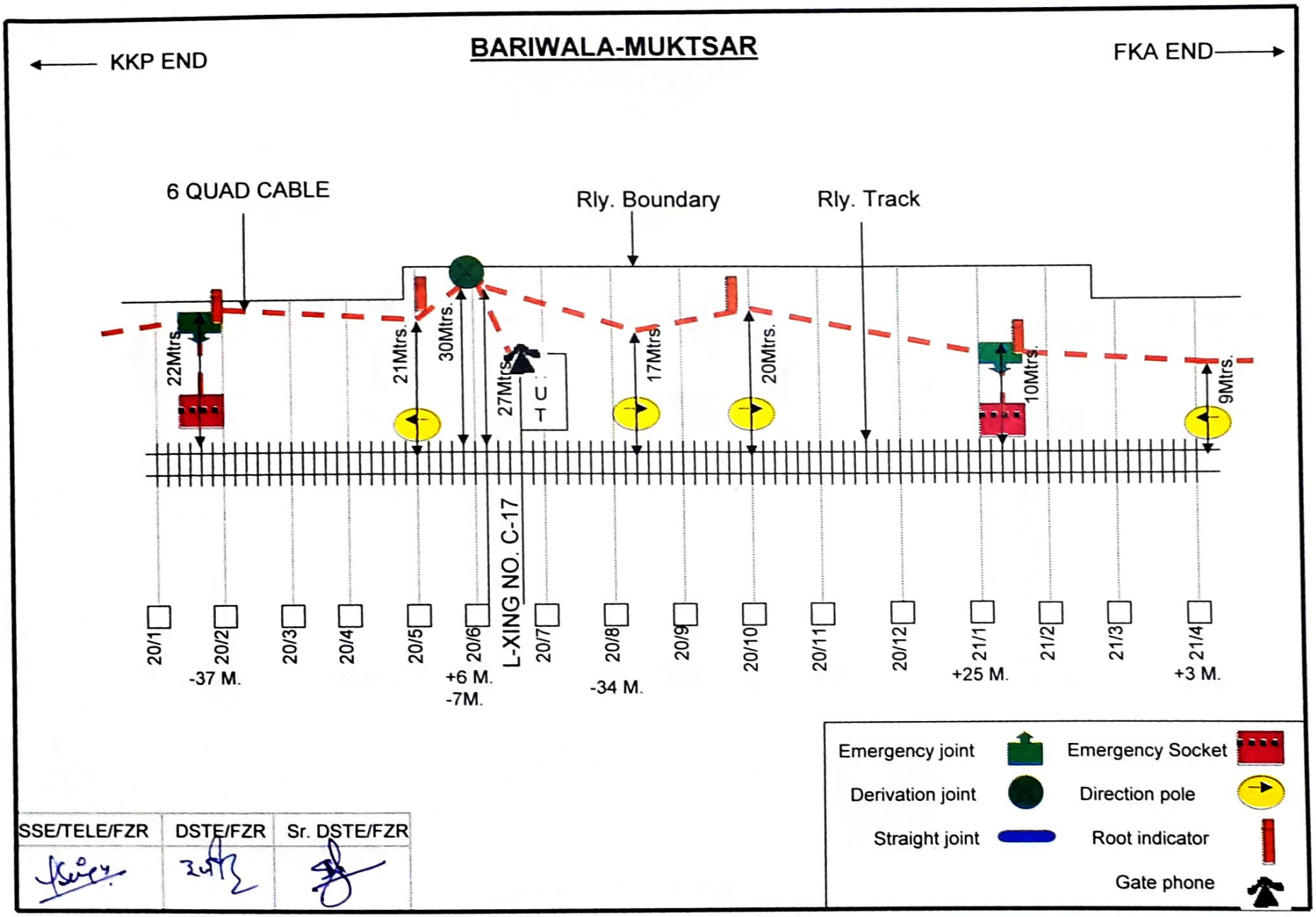
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

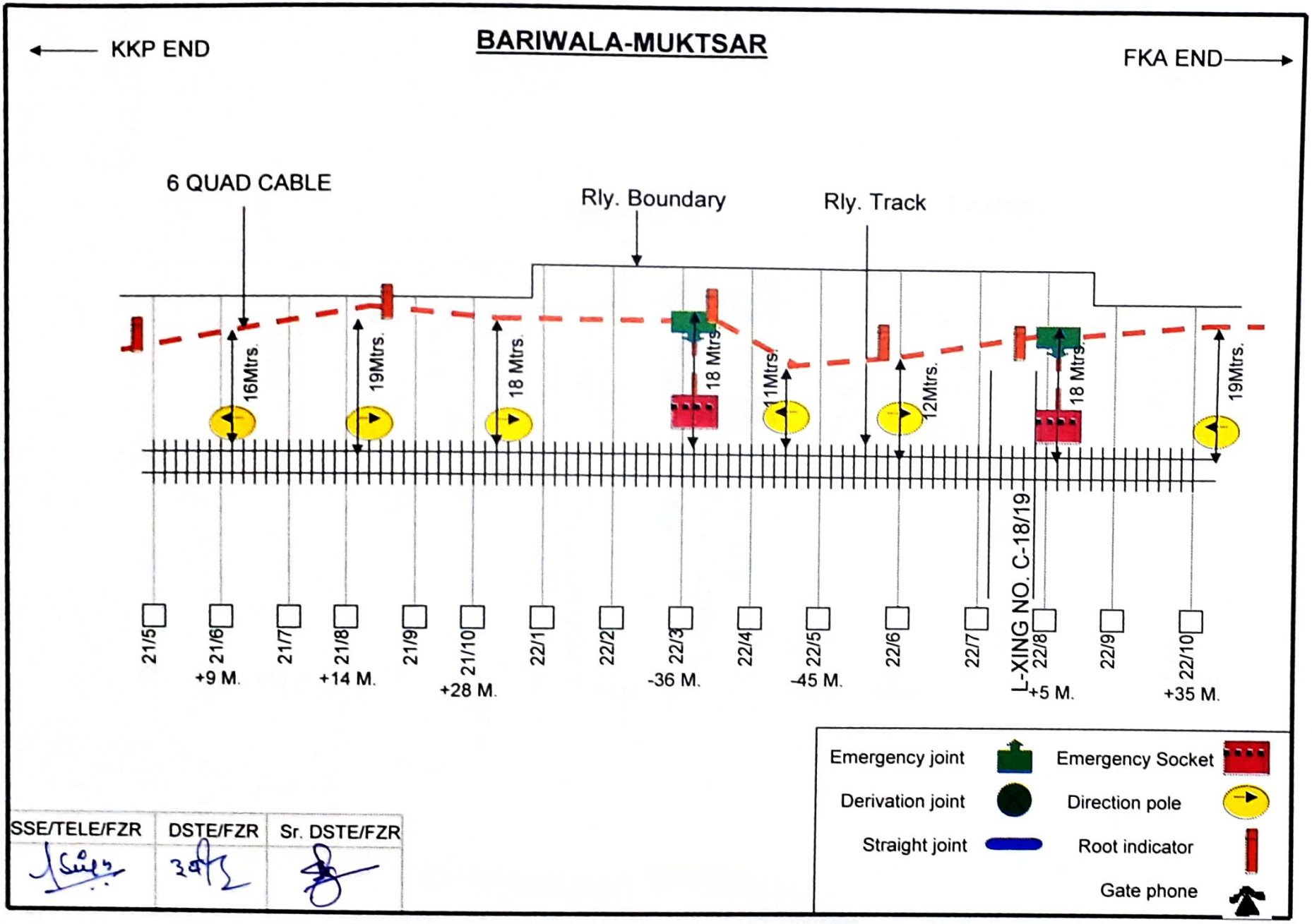
Gate phone

BARIWALA-MUKTSAR



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

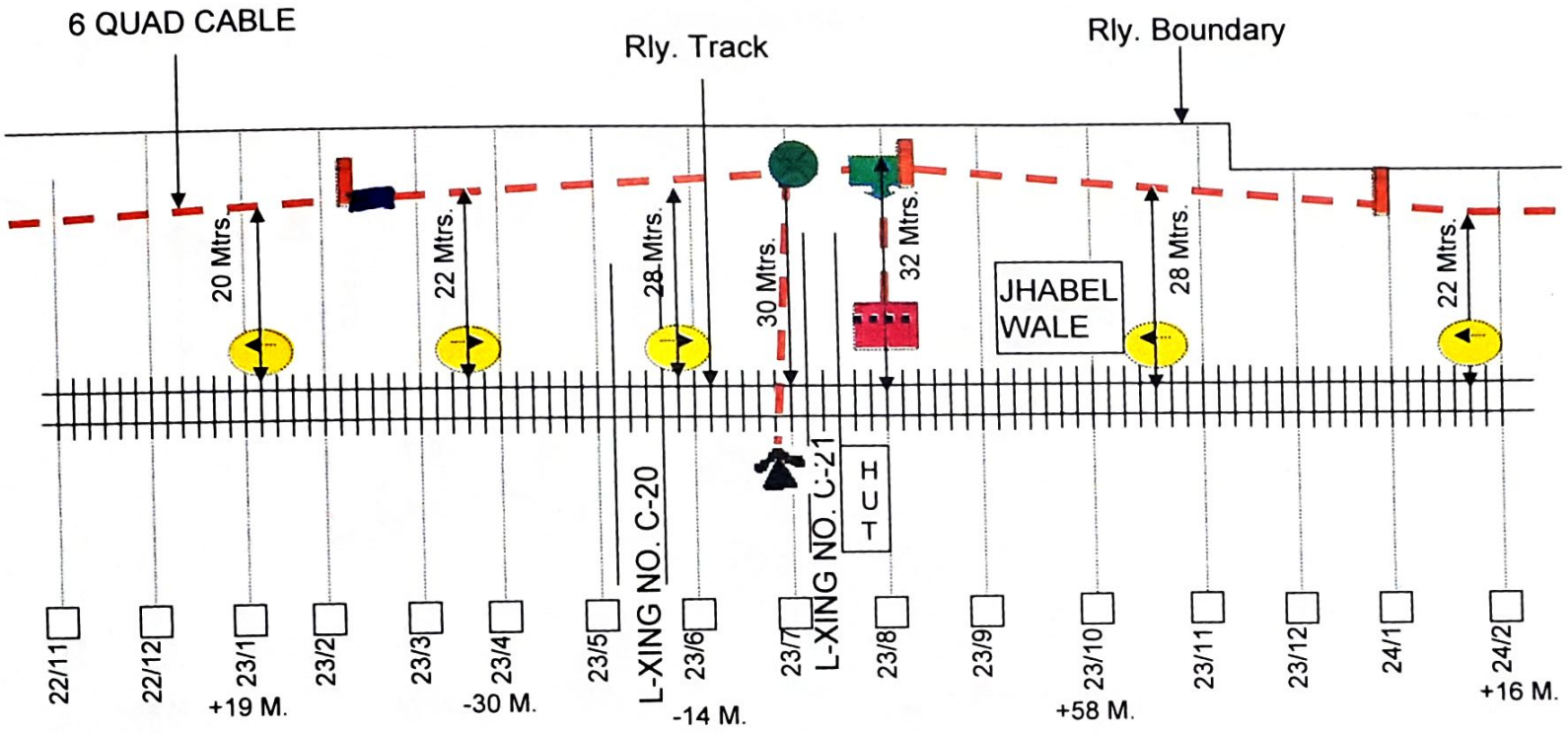


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

← KKP END

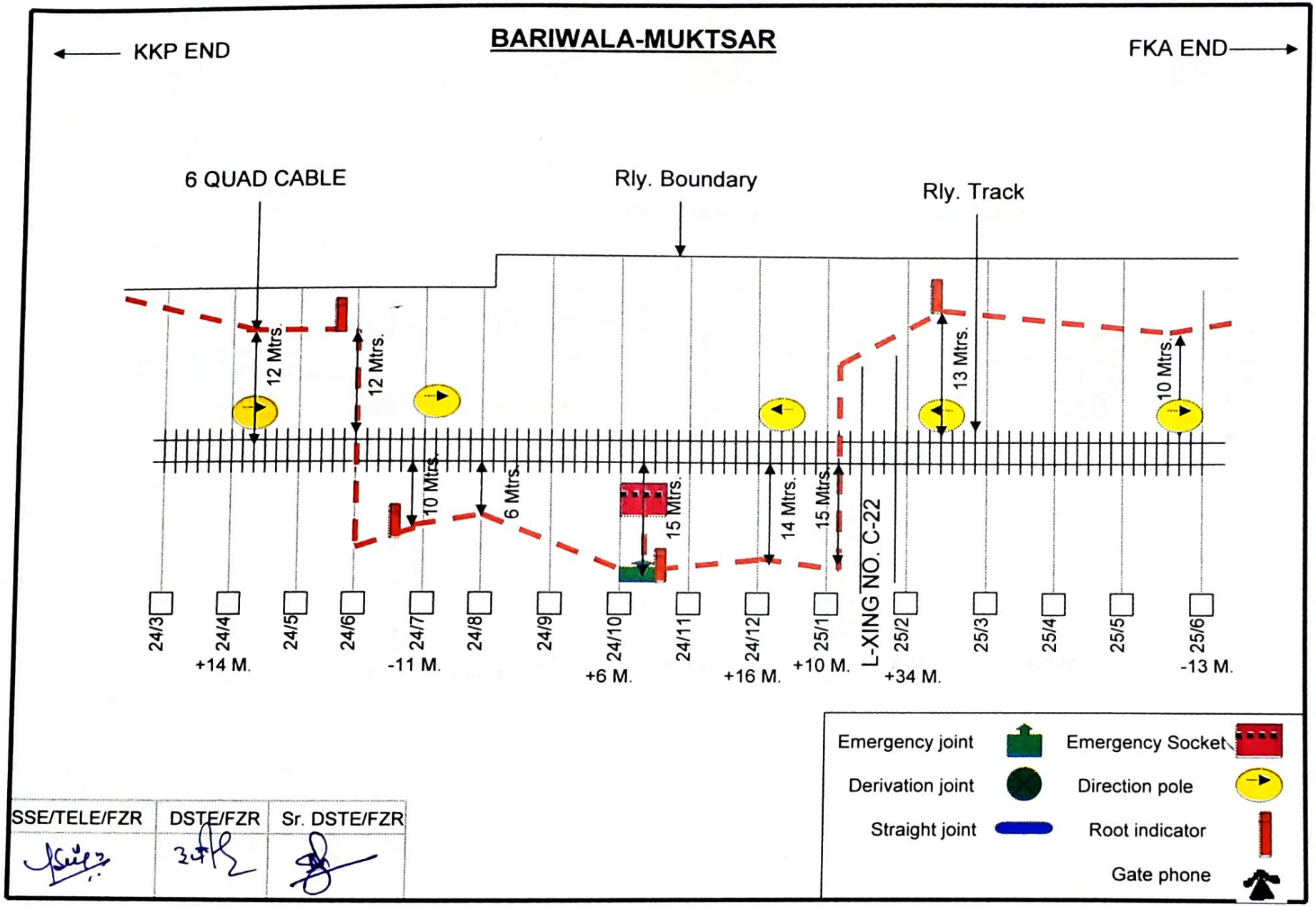
FKA END →



Emergency joint	Emergency Socket
Derivation joint	Direction pole
Straight joint	Root indicator
	Gate phone

SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

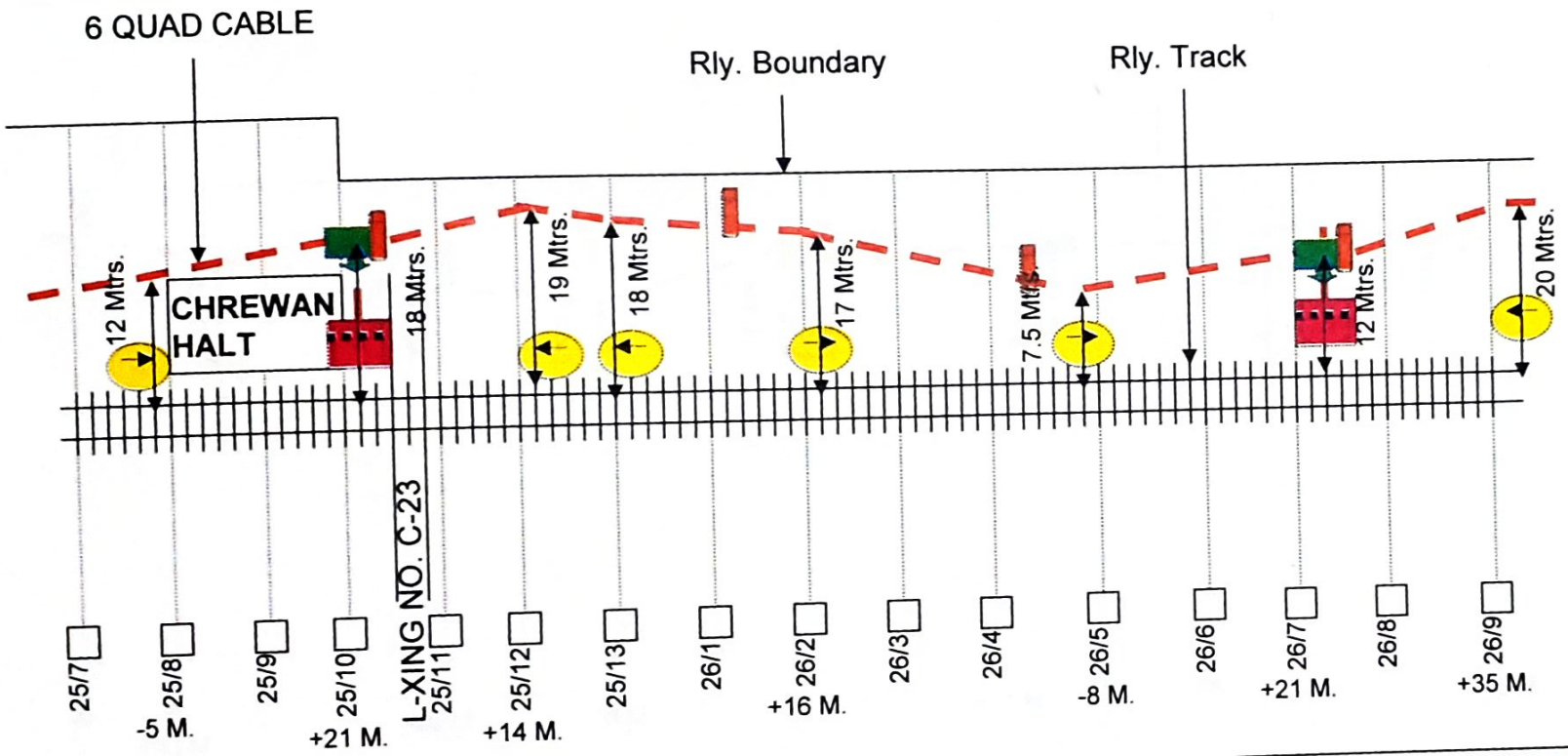


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

KKP END ←

→ FKA END



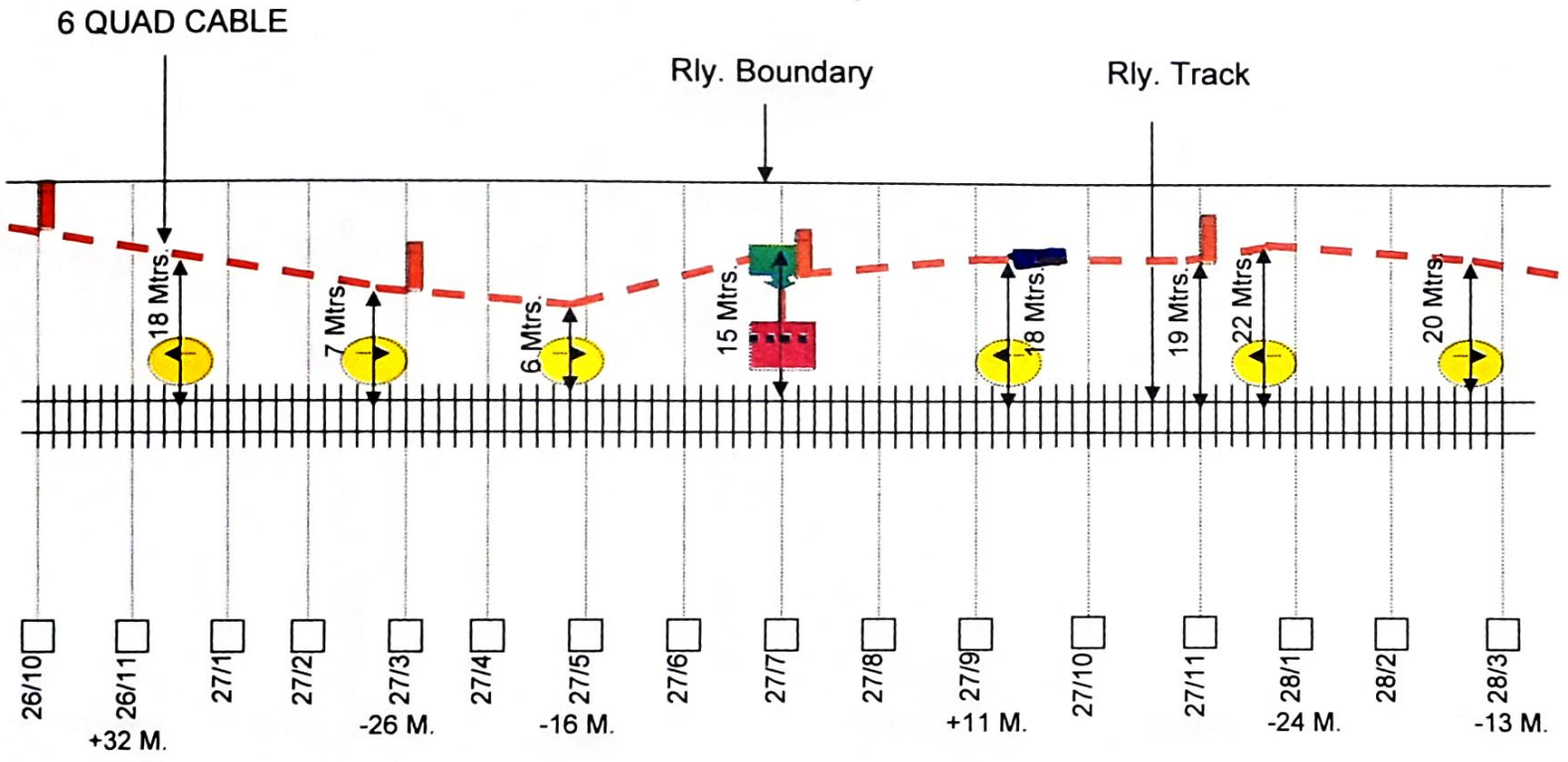
Emergency joint
Derivation joint
Straight joint
Emergency Socket
Direction pole
Root indicator
Gate phone

SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

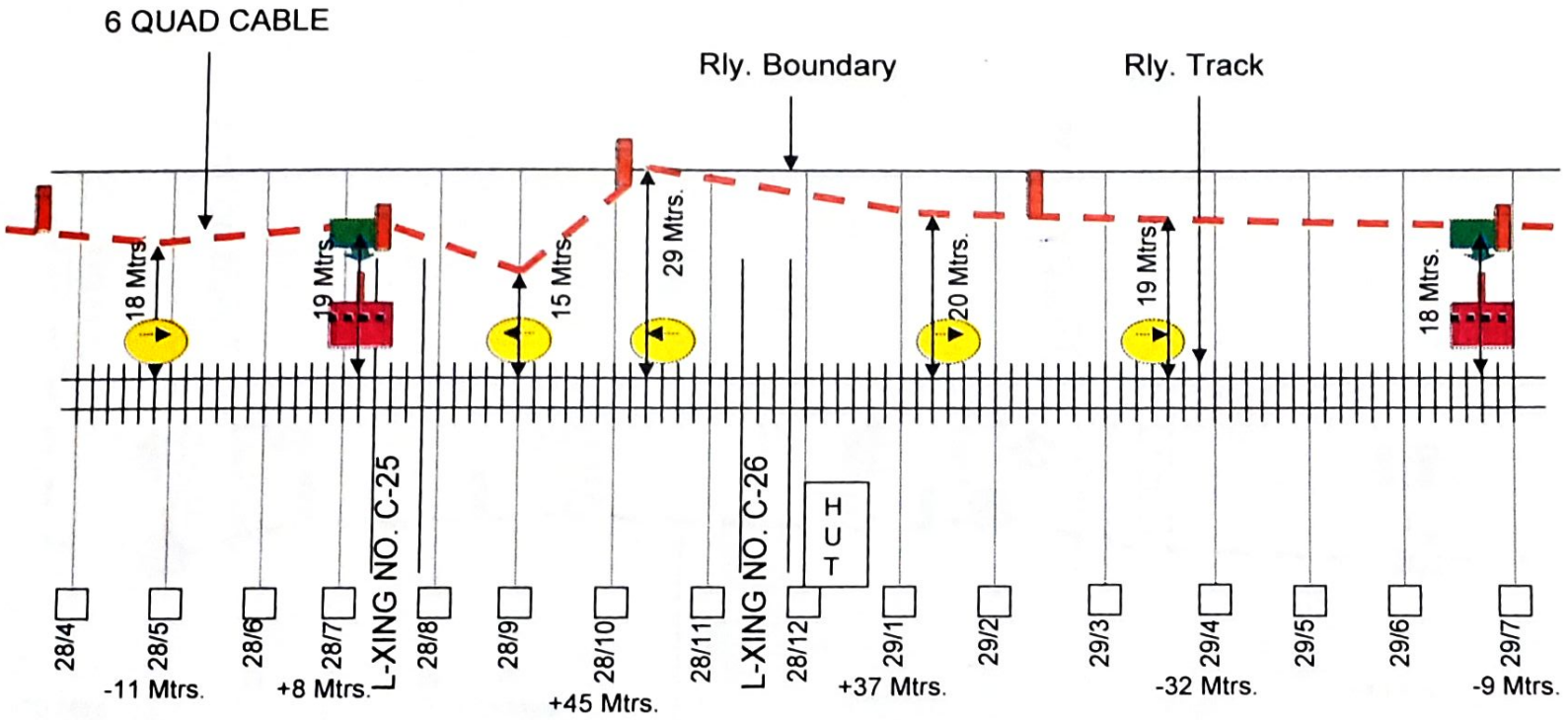
Root indicator

Gate phone

BARIWALA-MUKTSAR

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

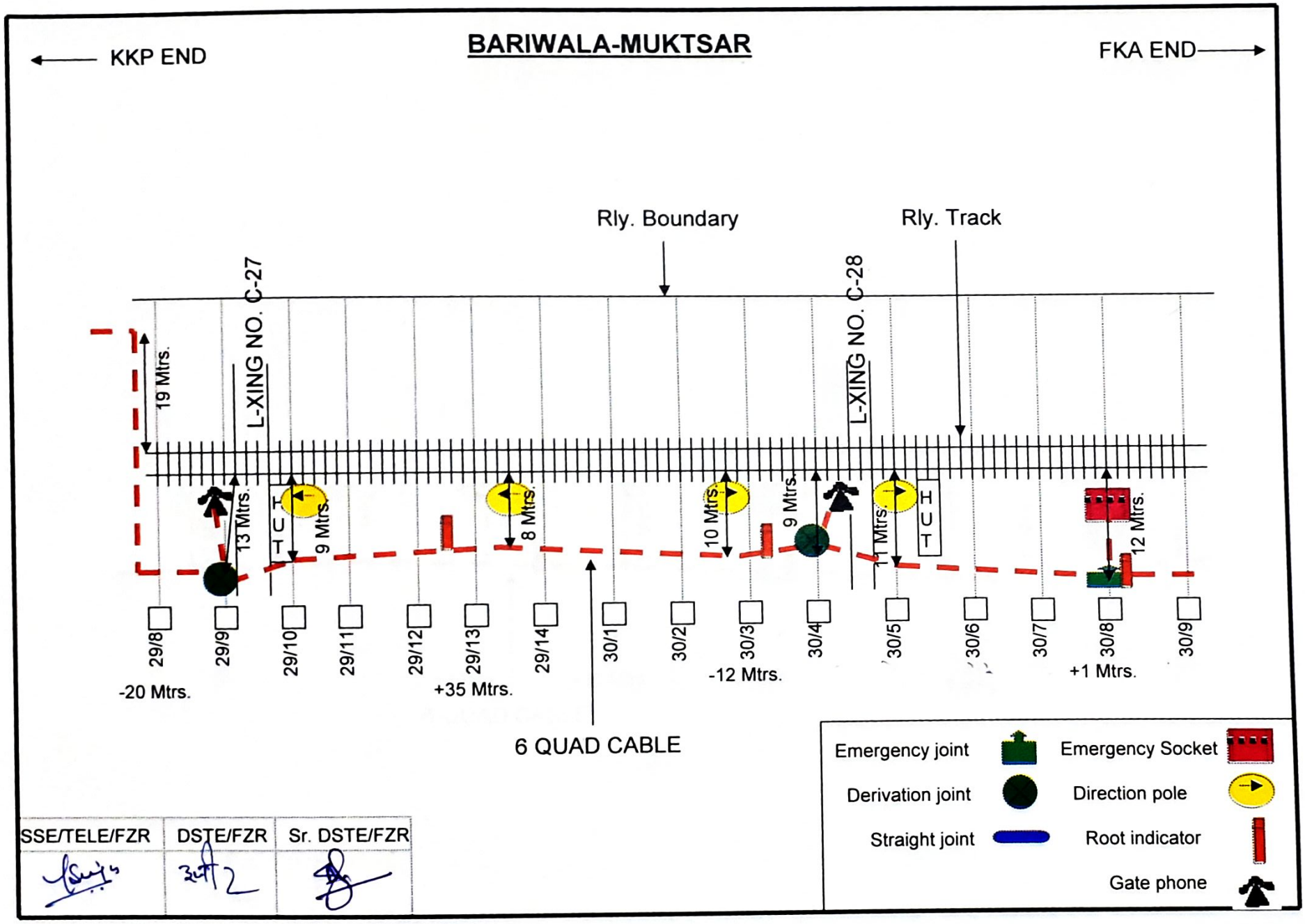
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

BARIWALA-MUKTSAR

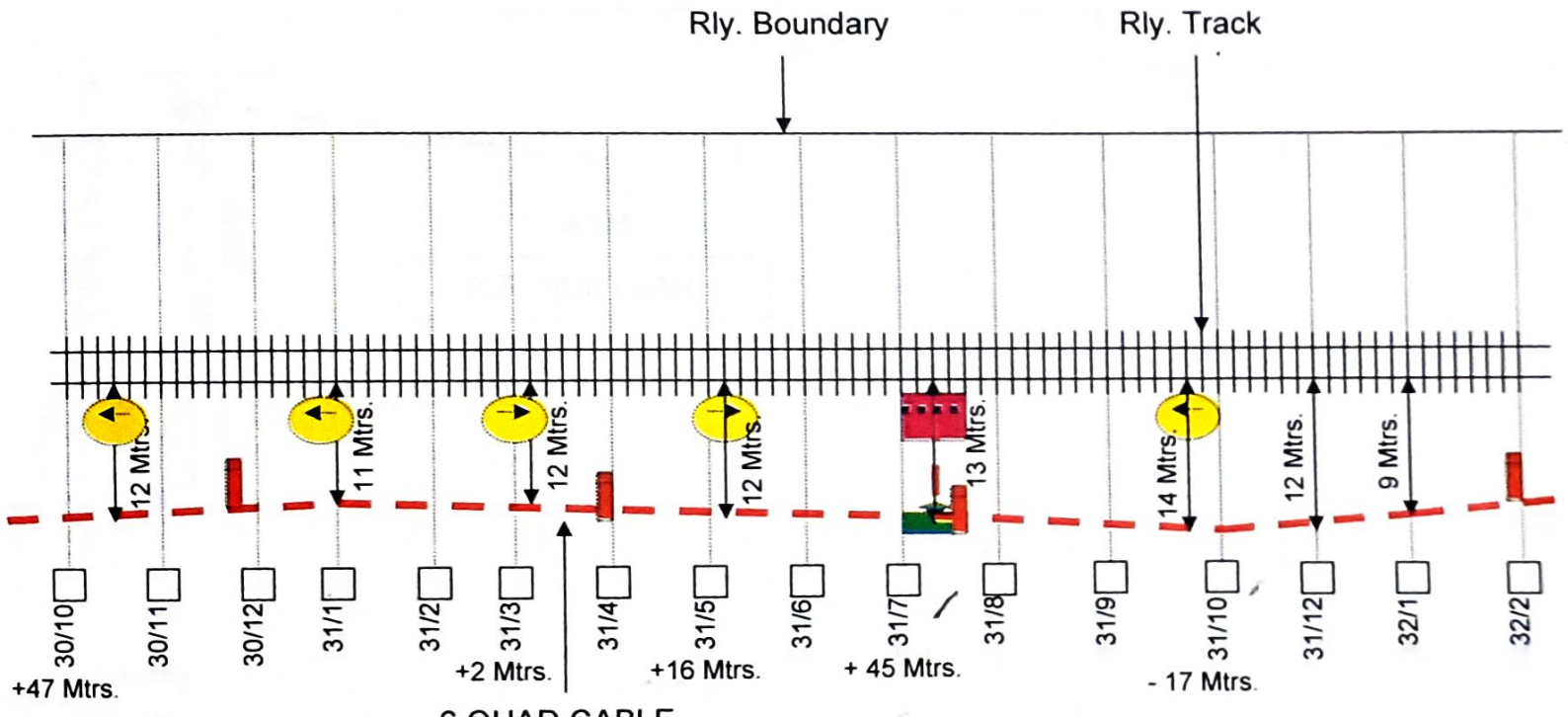


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

BARIWALA-MUKTSAR

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

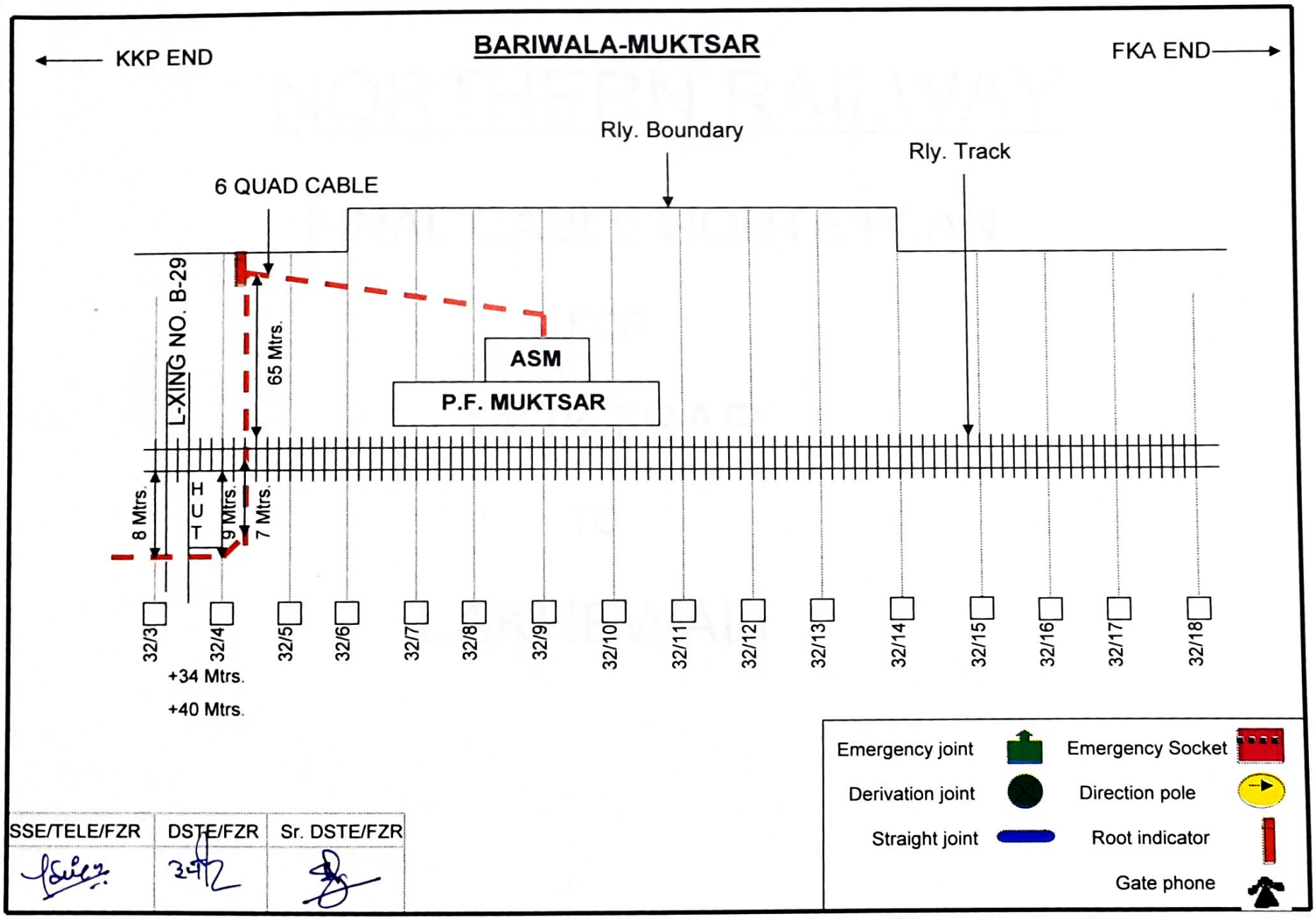
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

BARIWALA-MUKTSAR



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

NORTHERN RAILWAY

FINAL CABLE ROUTE PLAN

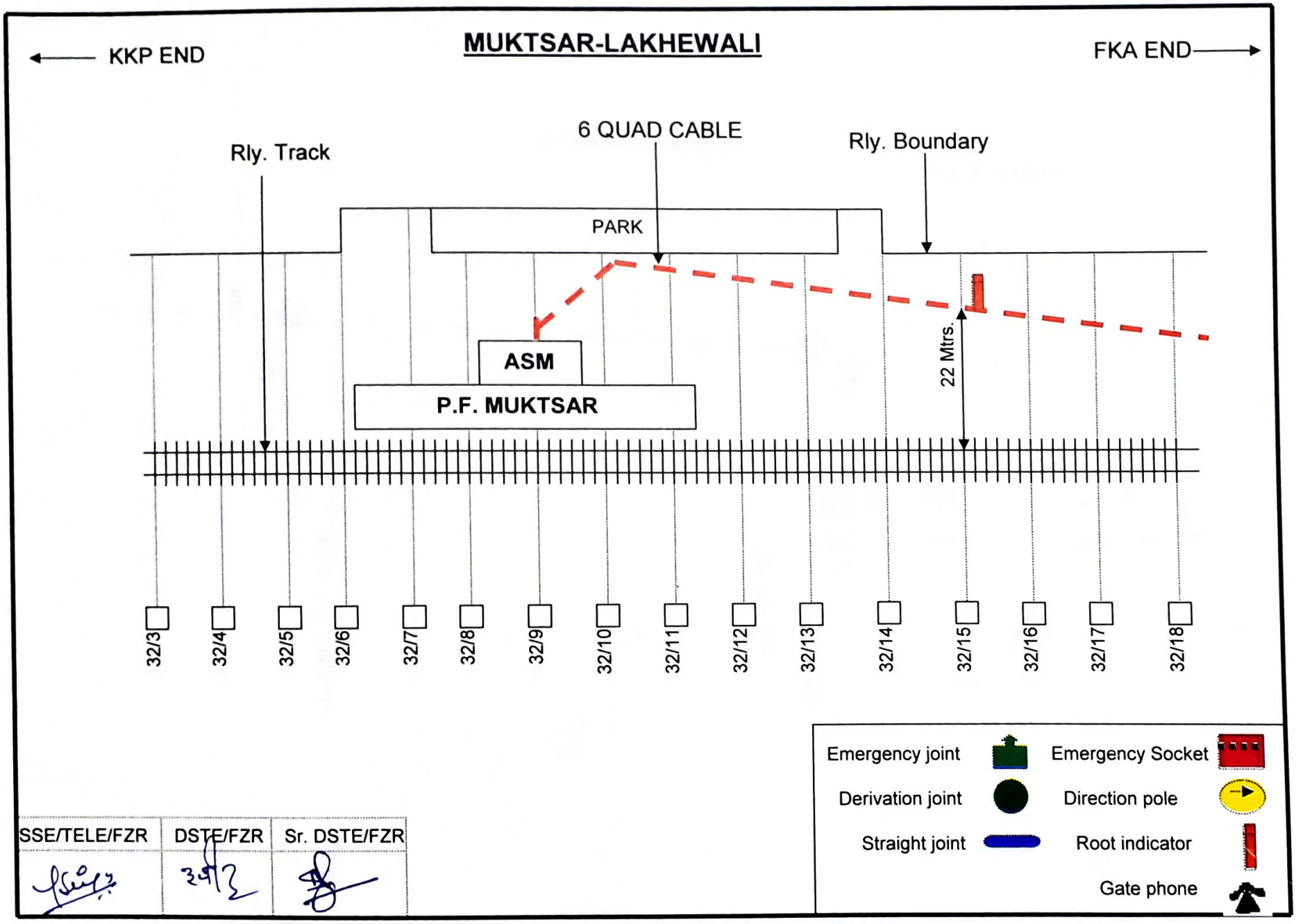
FOR

MUKTSAR

TO

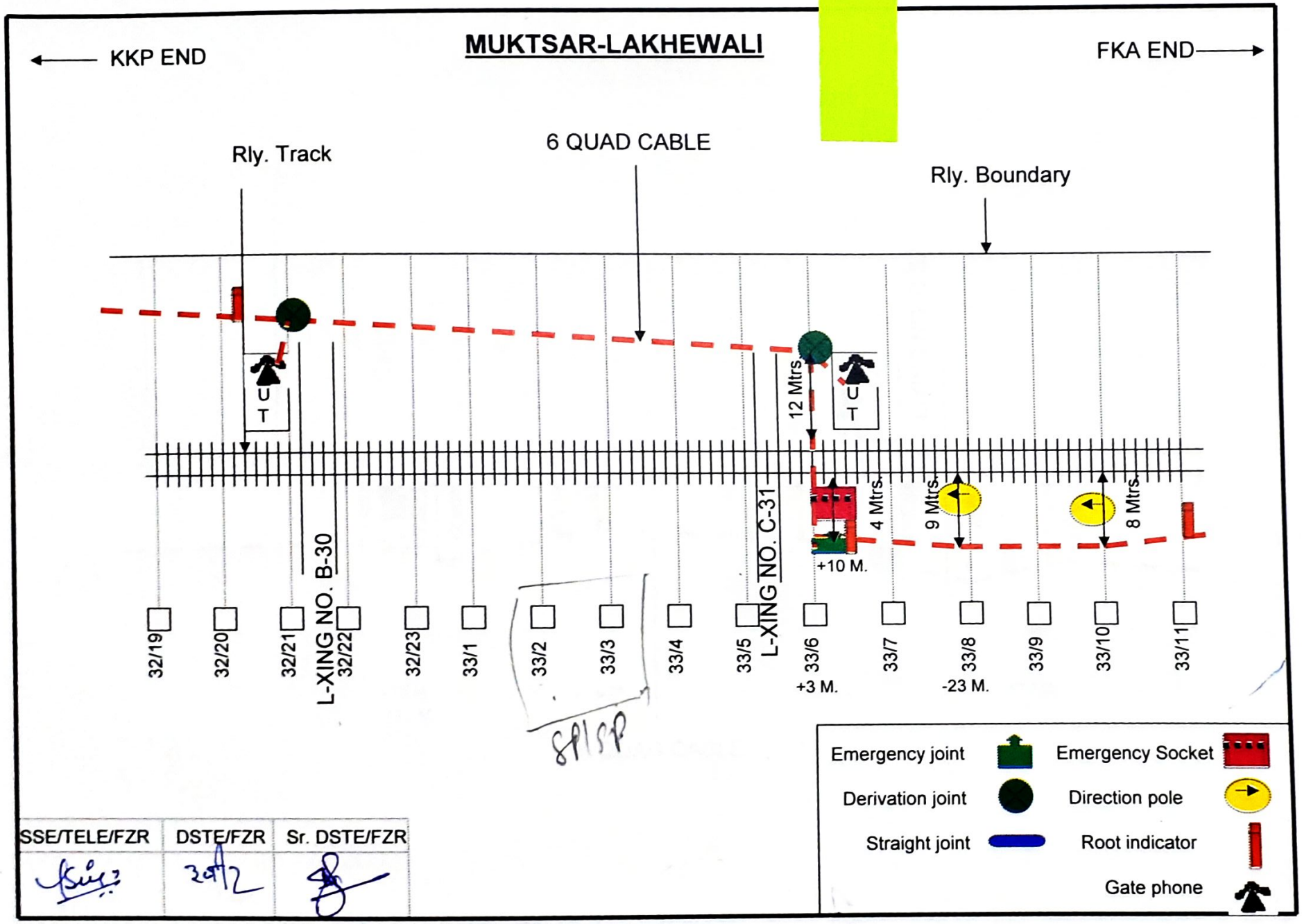
LAKHEWALI

MUKTSAR-LAKHEWALI



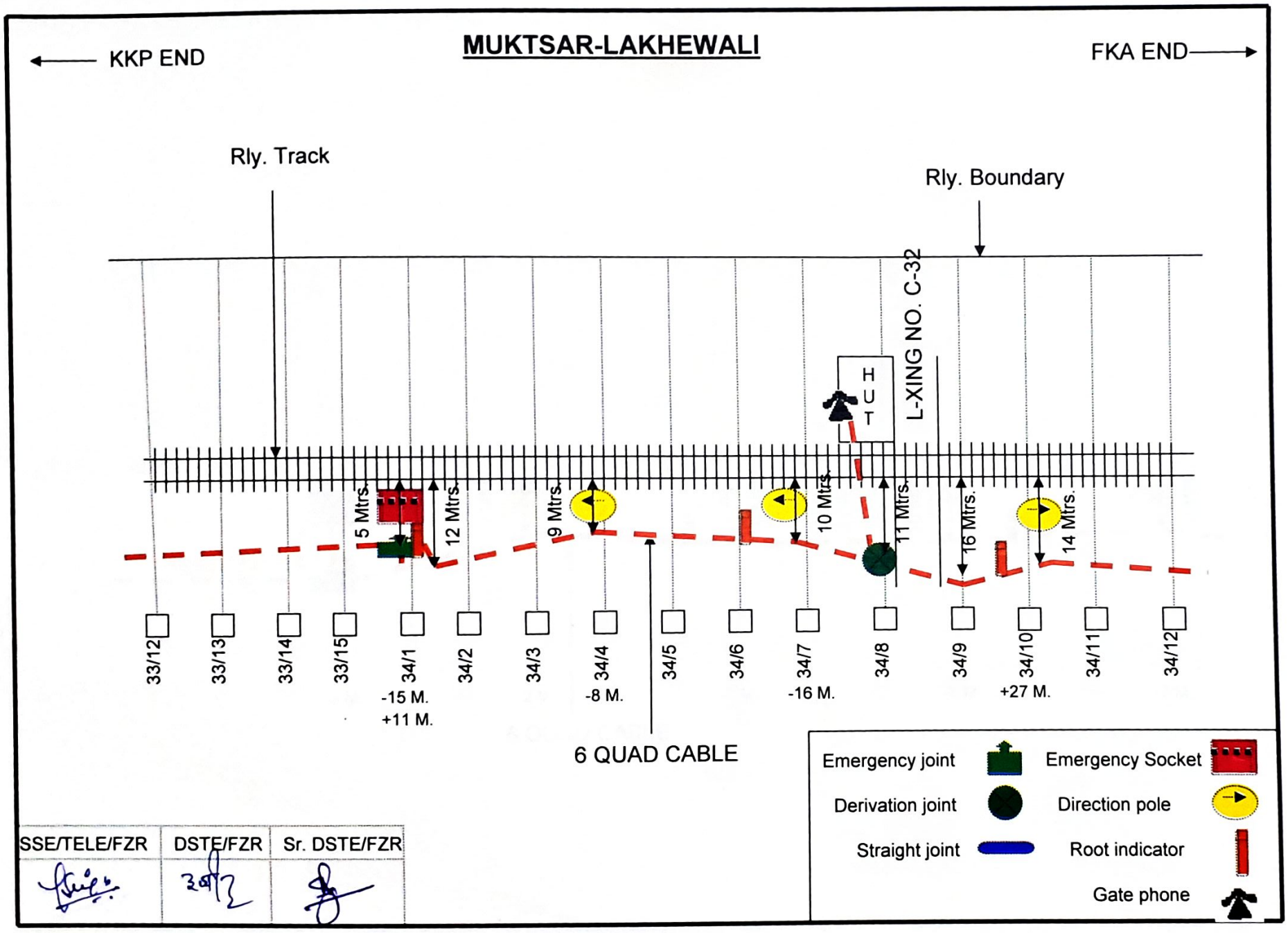
SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3-4-13	

MUKTSAR-LAKHEWALI



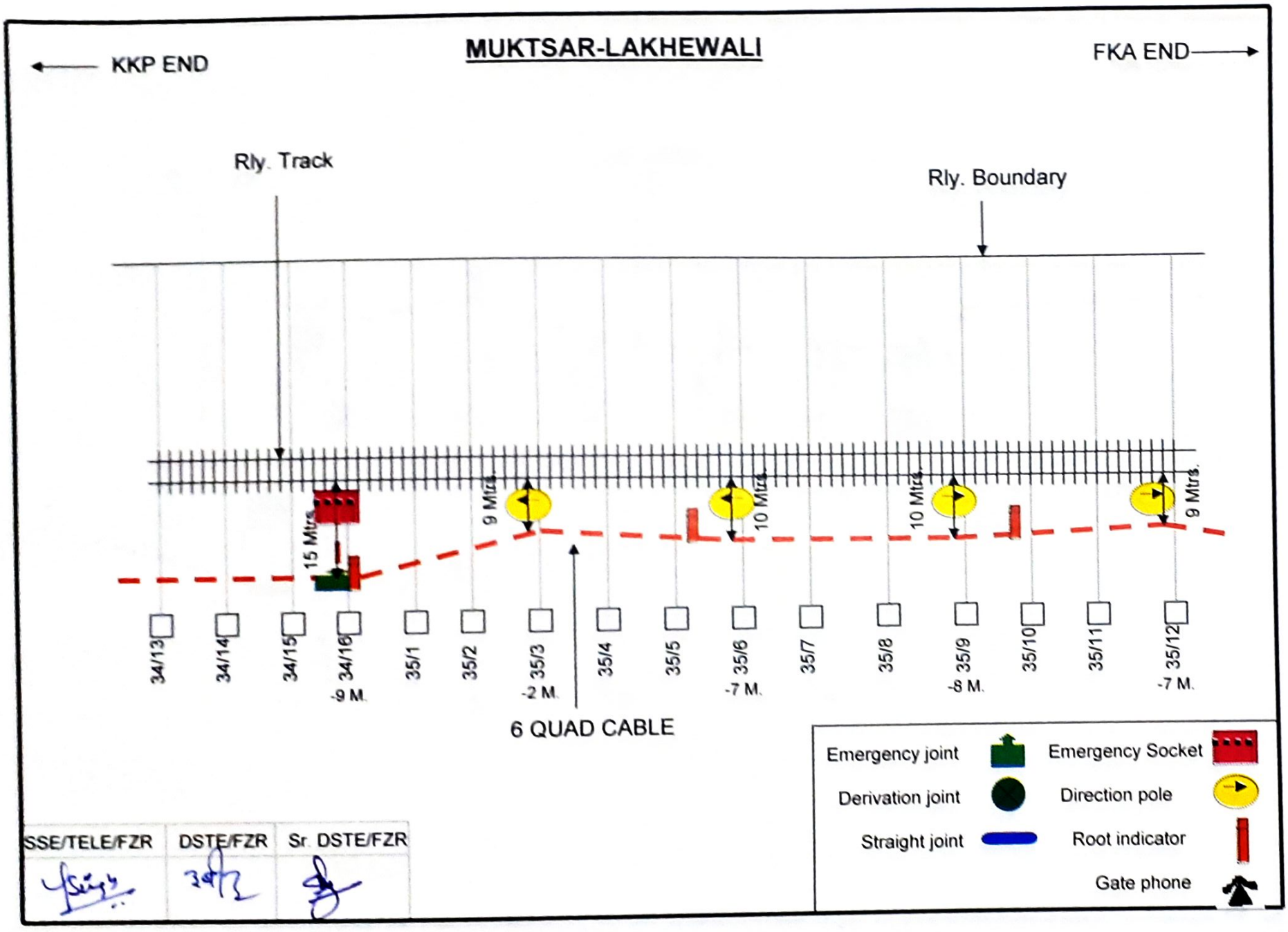
SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI



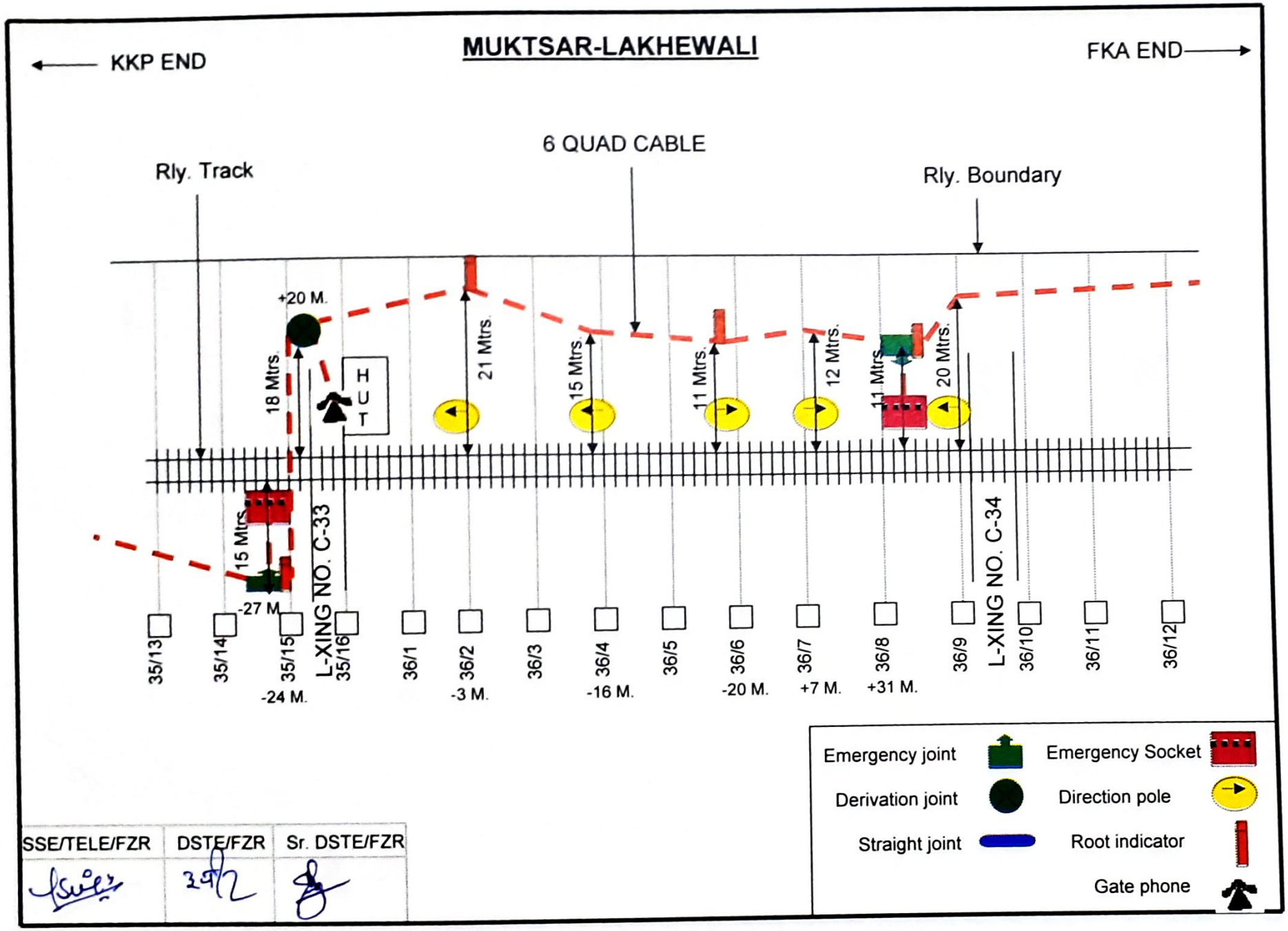
SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI

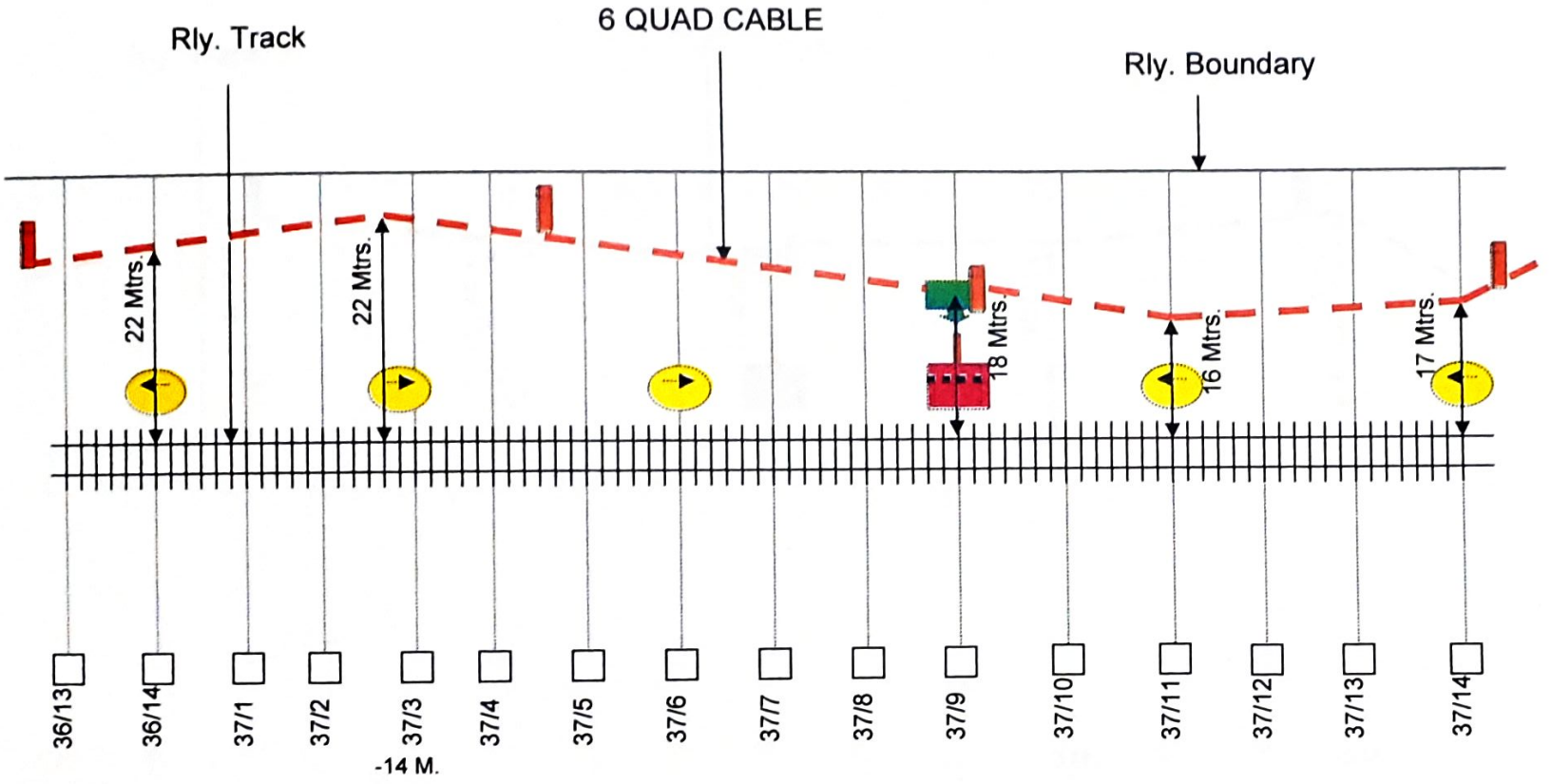


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3-9-12	

MUKTSAR-LAKHEWALI

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	24/2	

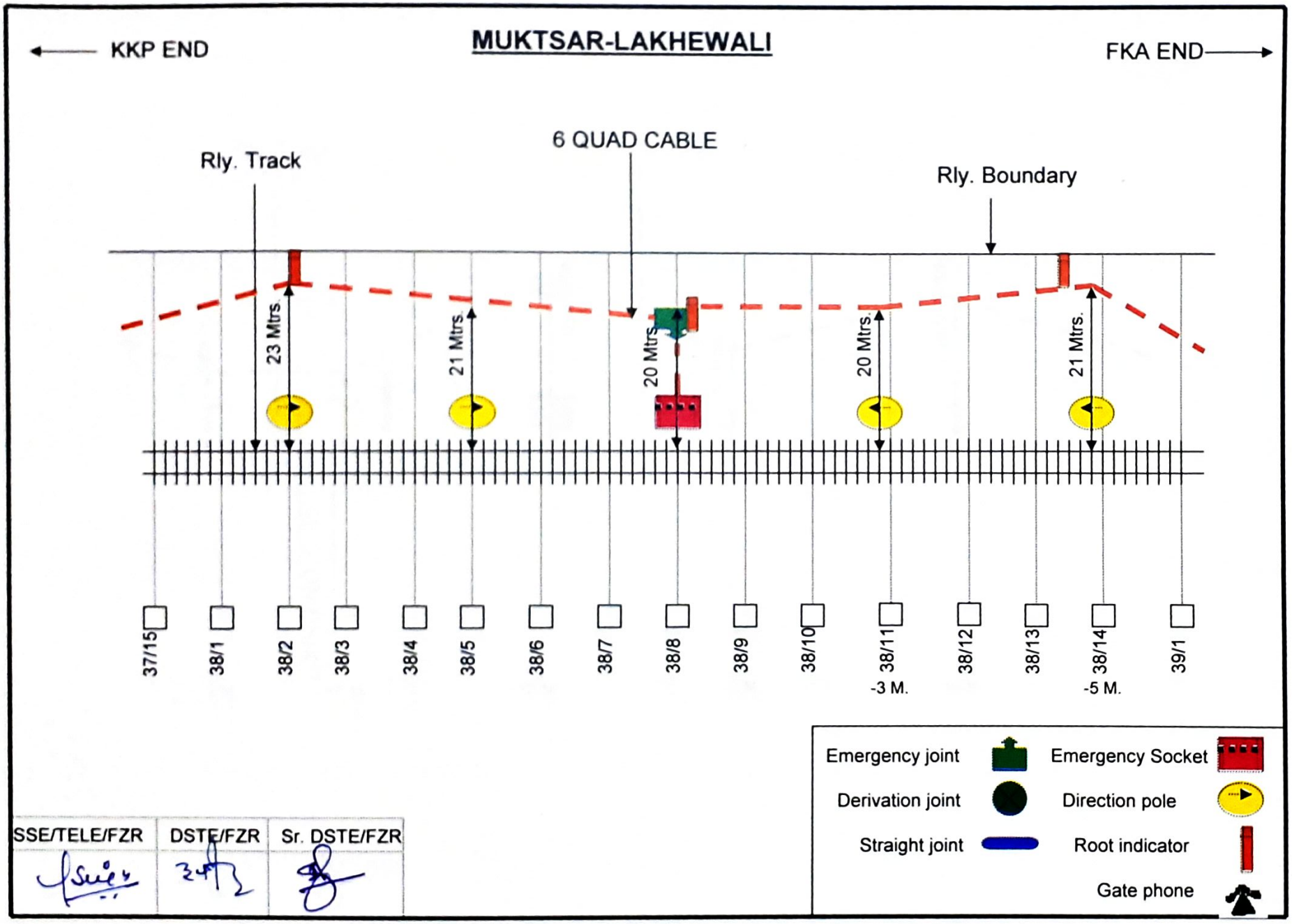
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

MUKTSAR-LAKHEWALI

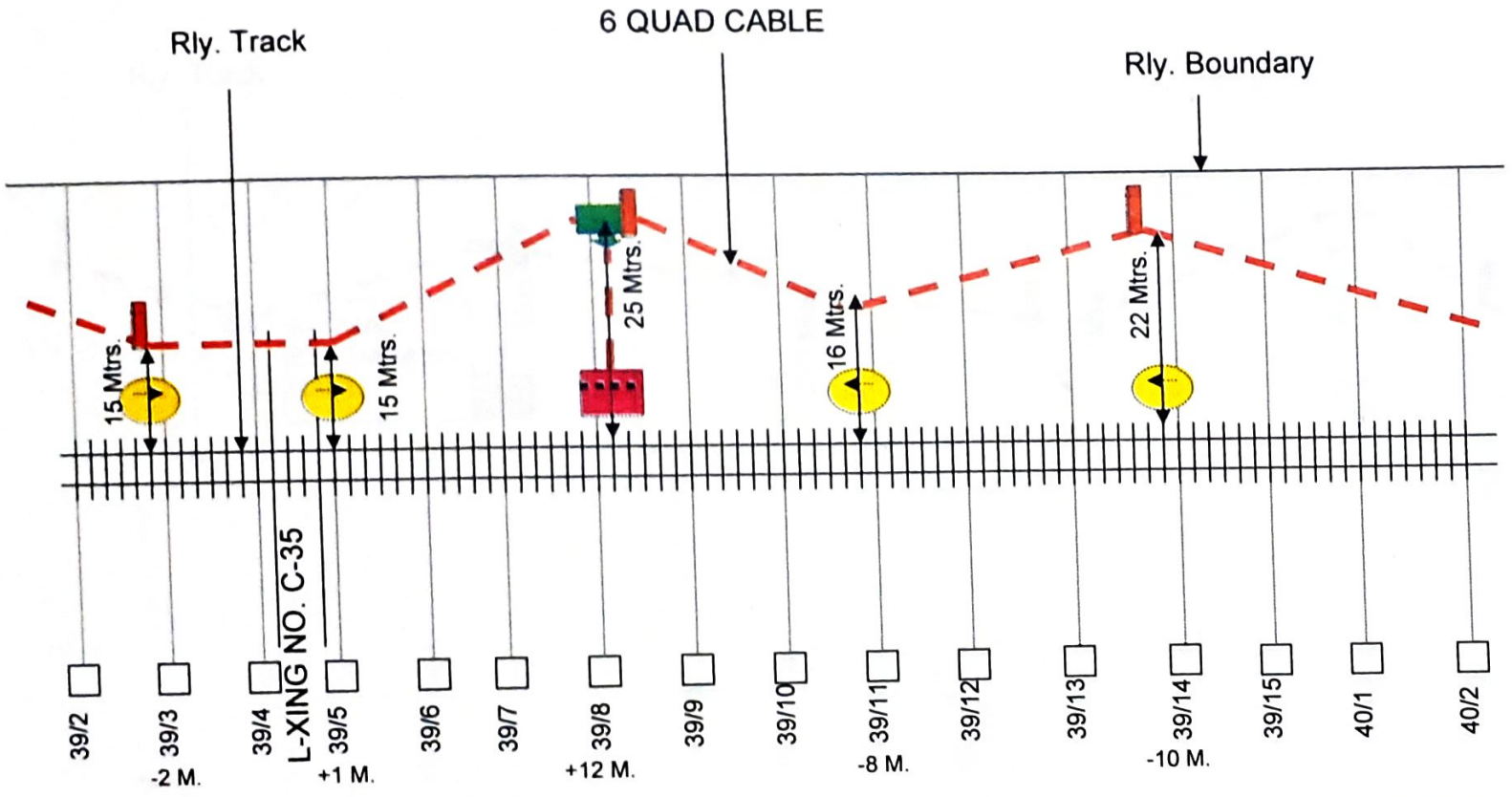


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI

KKP END ←

→ FKA END



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

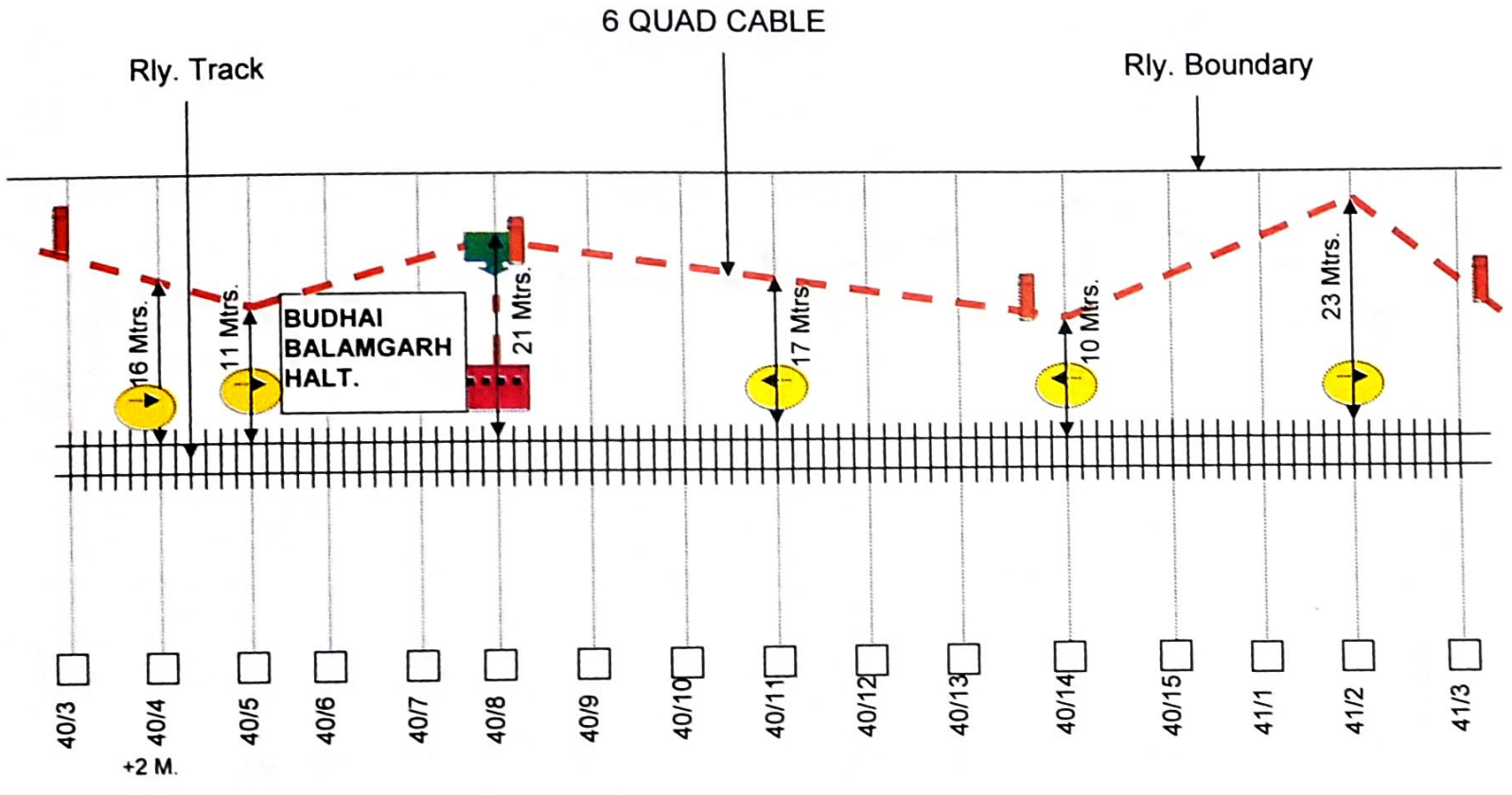
Straight joint — Root indicator

Gate phone

MUKTSAR-LAKHEWALI

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

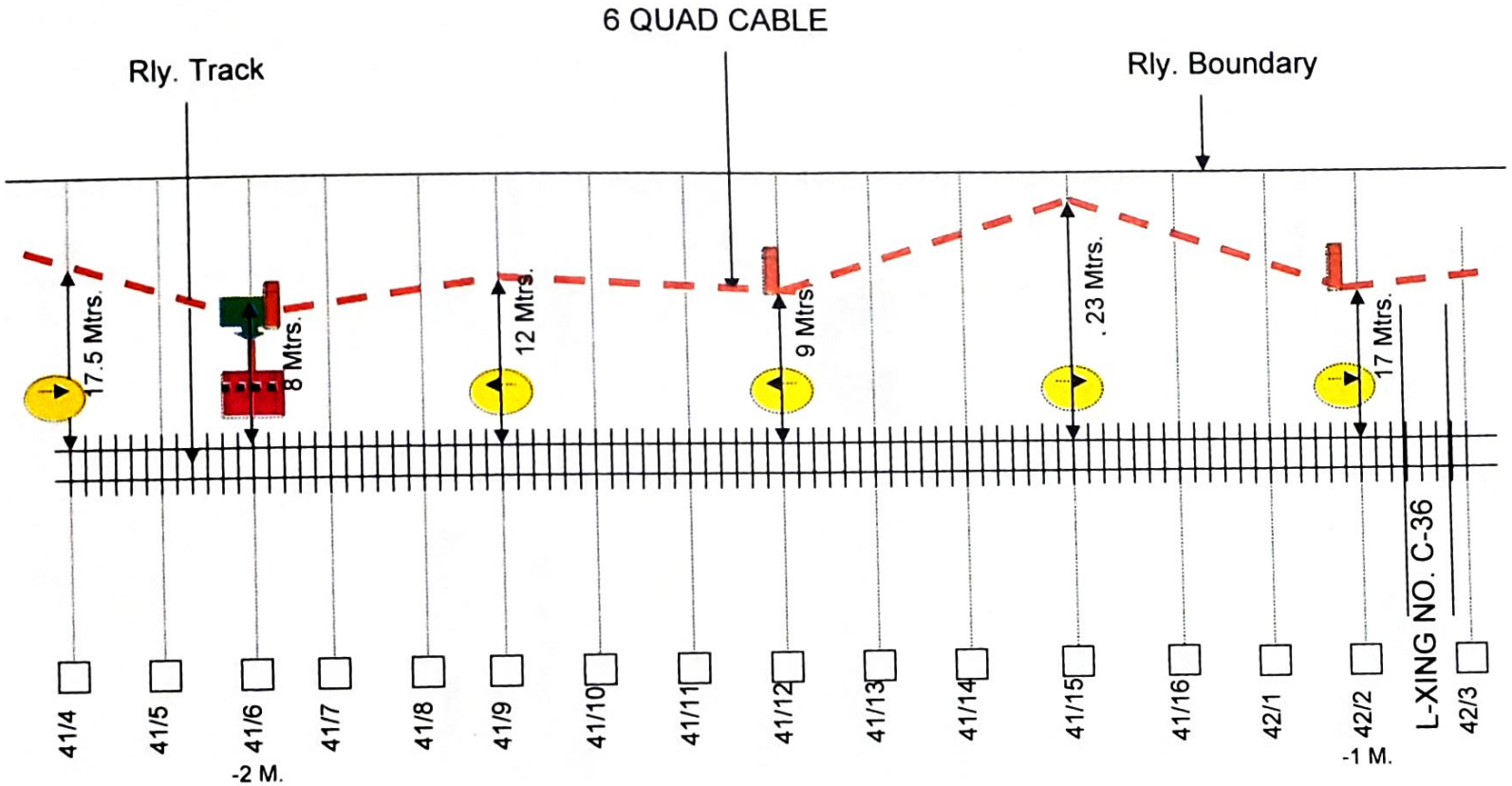
Straight joint — Root indicator

Gate phone

MUKTSAR-LAKHEWALI

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3/4/12	

Emergency joint — Emergency Socket

Derivation joint — Direction pole

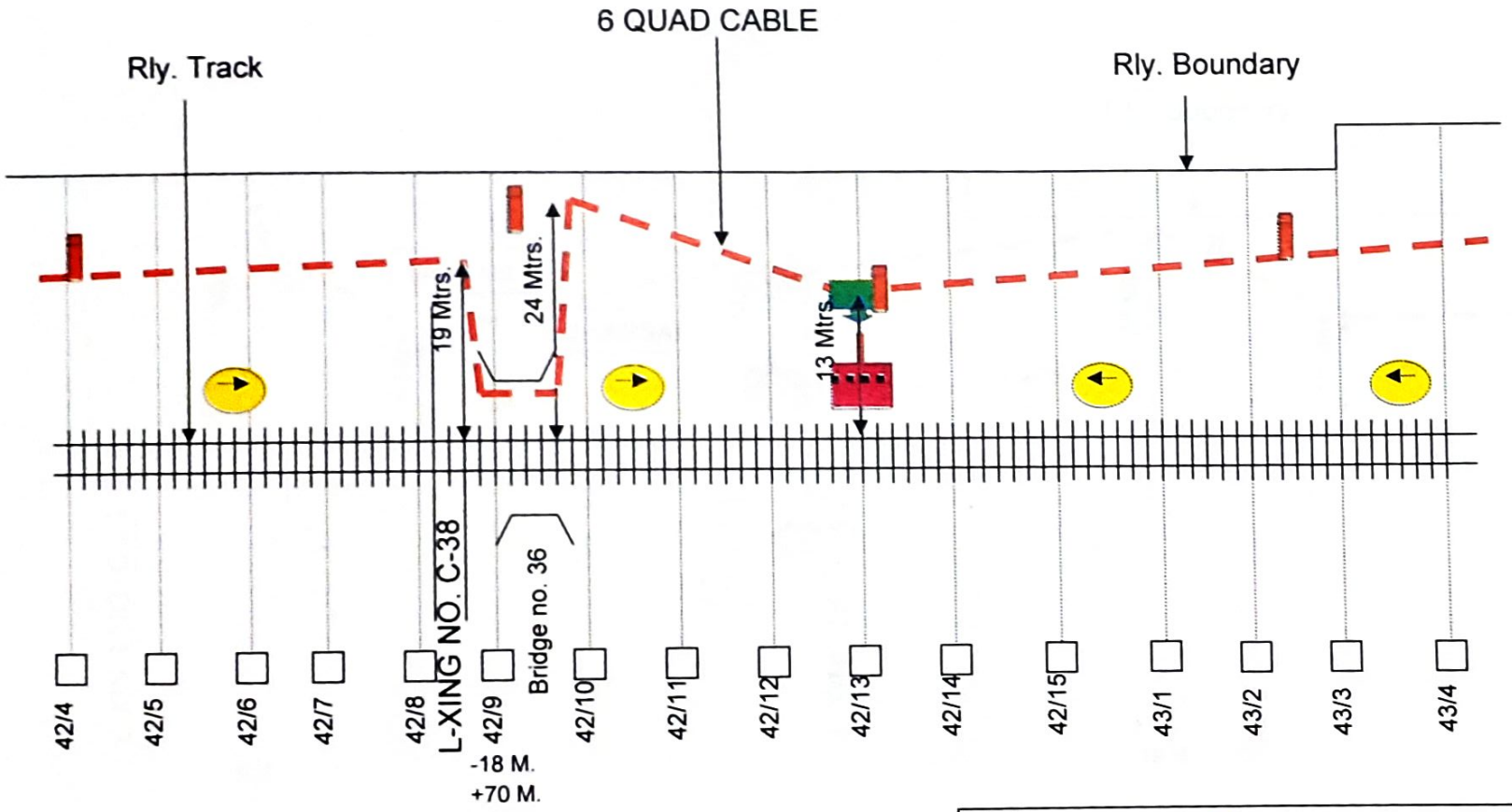
Straight joint — Root indicator

Gate phone

MUKTSAR-LAKHEWALI

KKP END ←

→ FKA END



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3/7/2	

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

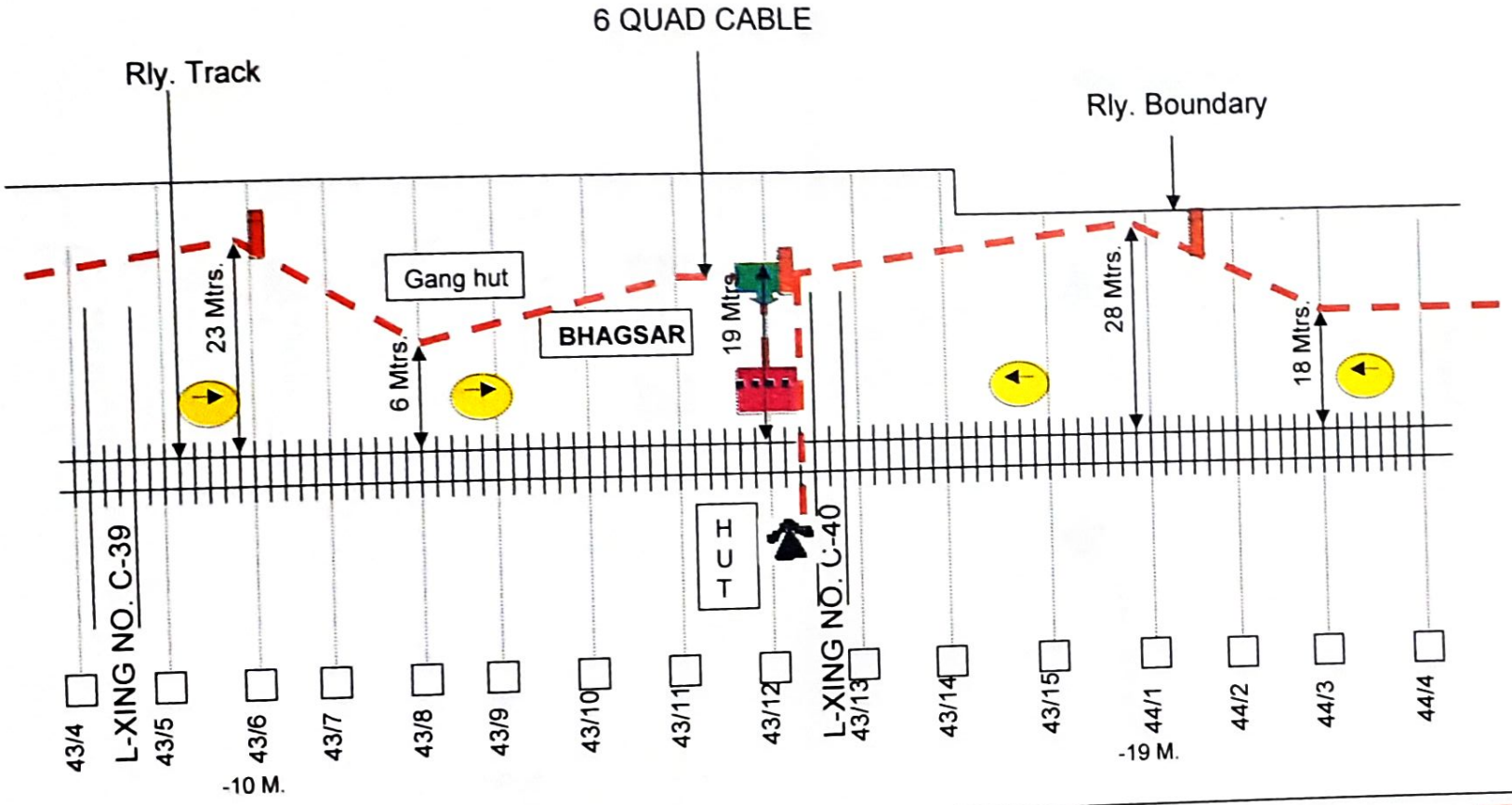
Root indicator

Gate phone

MUKTSAR-LAKHEWALI

← KKP END

FKA END →



Emergency joint — Emergency Socket

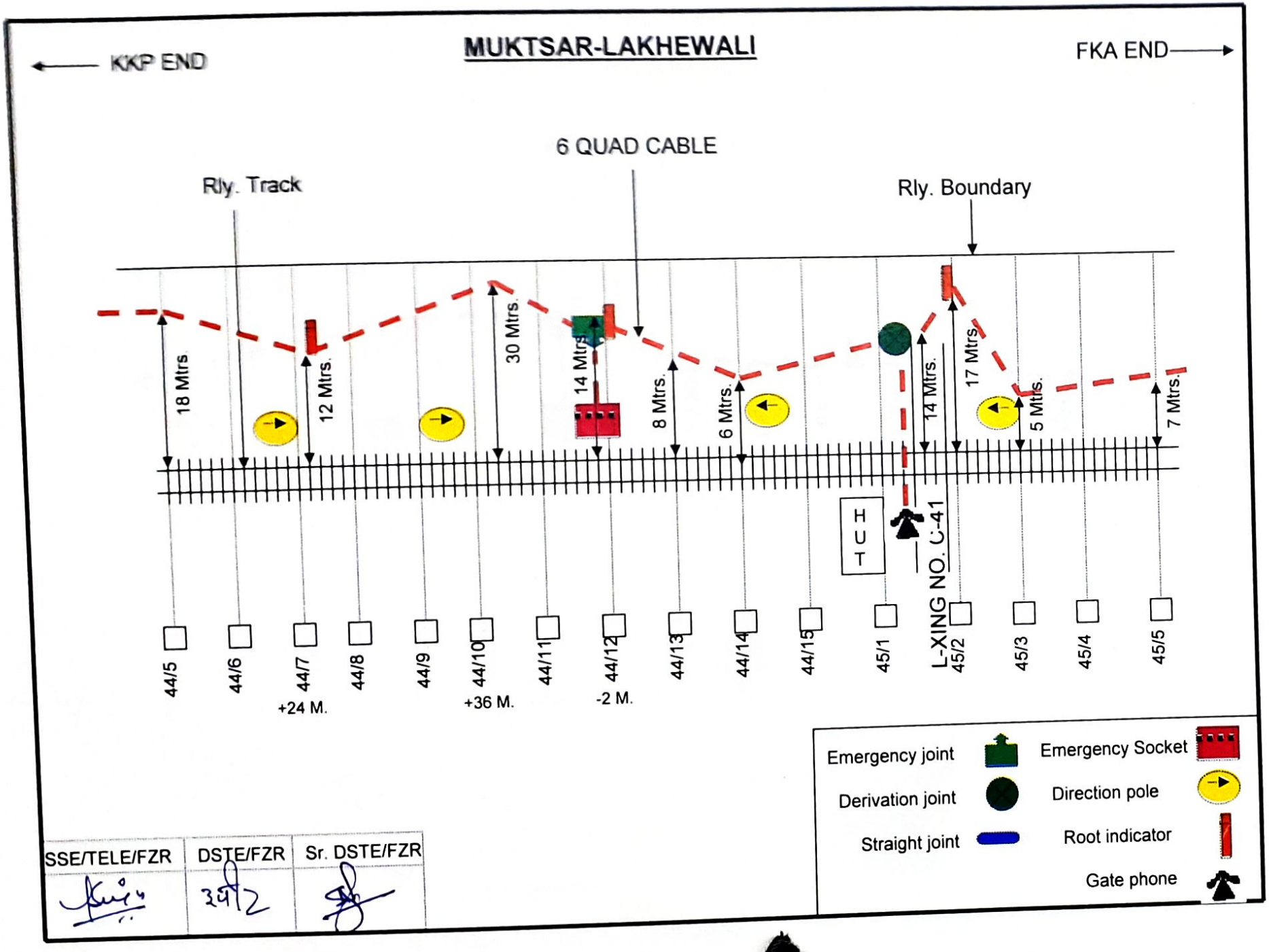
Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

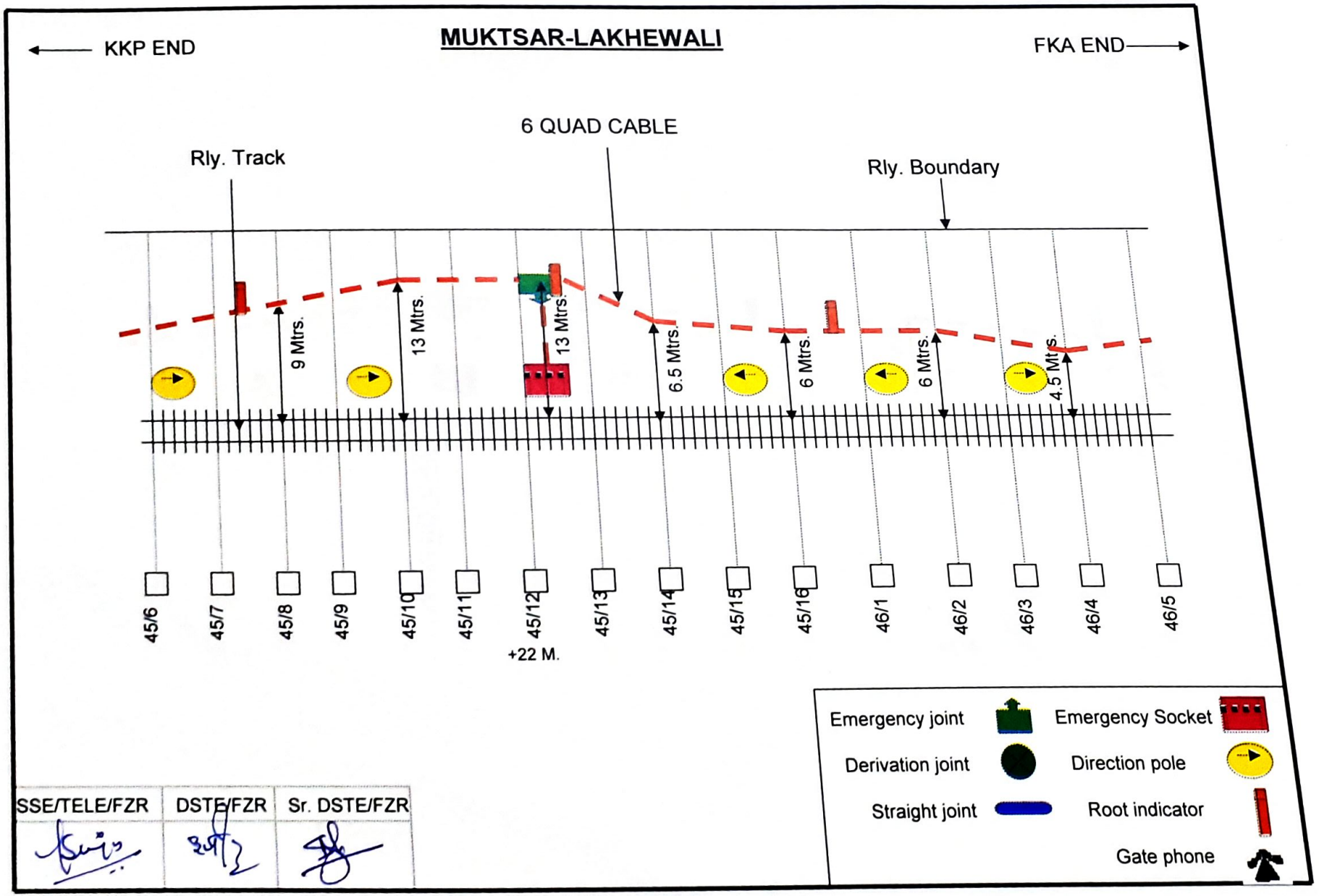
SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI



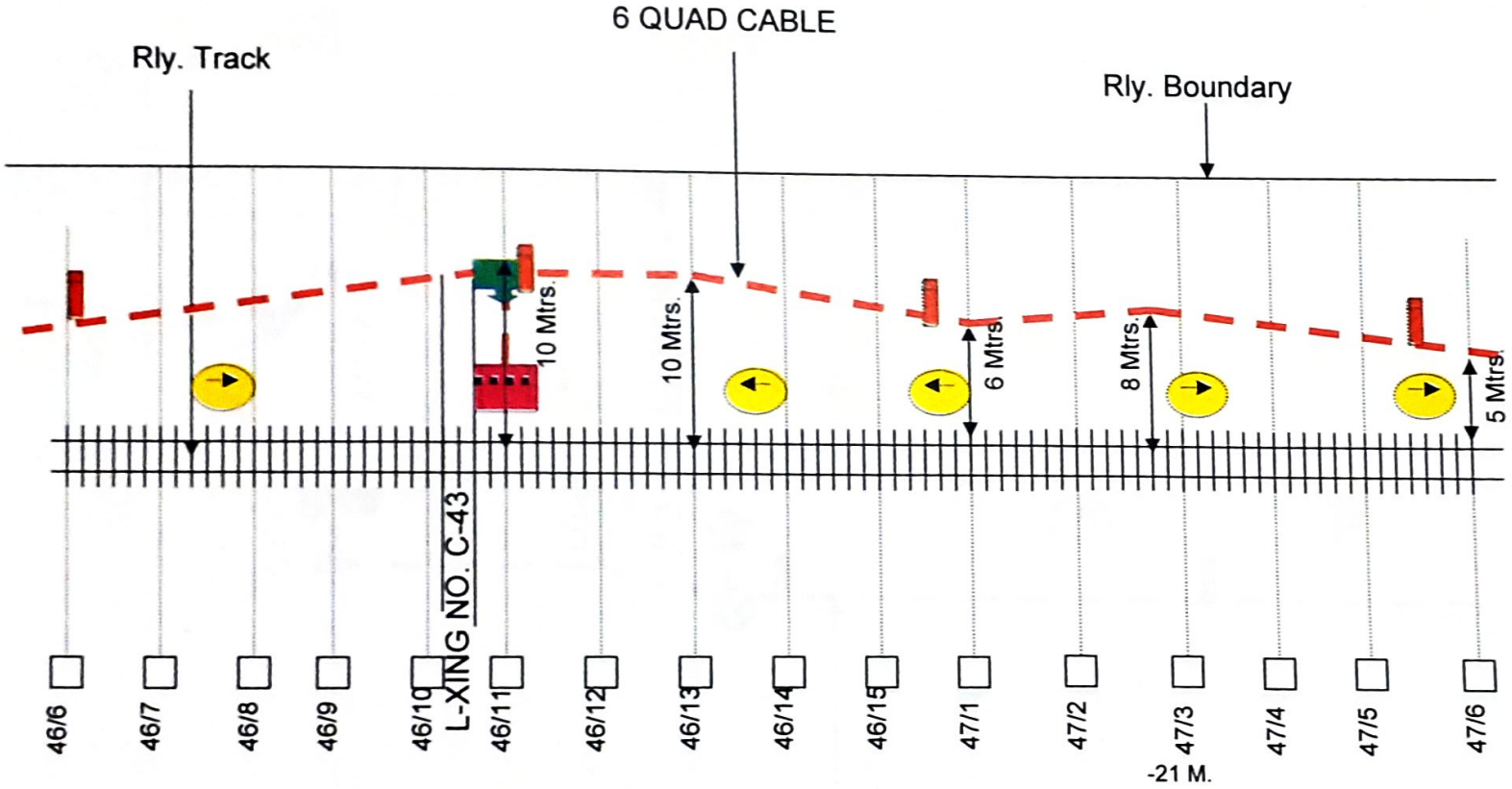
SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3/12	

MUKTSAR-LAKHEWALI



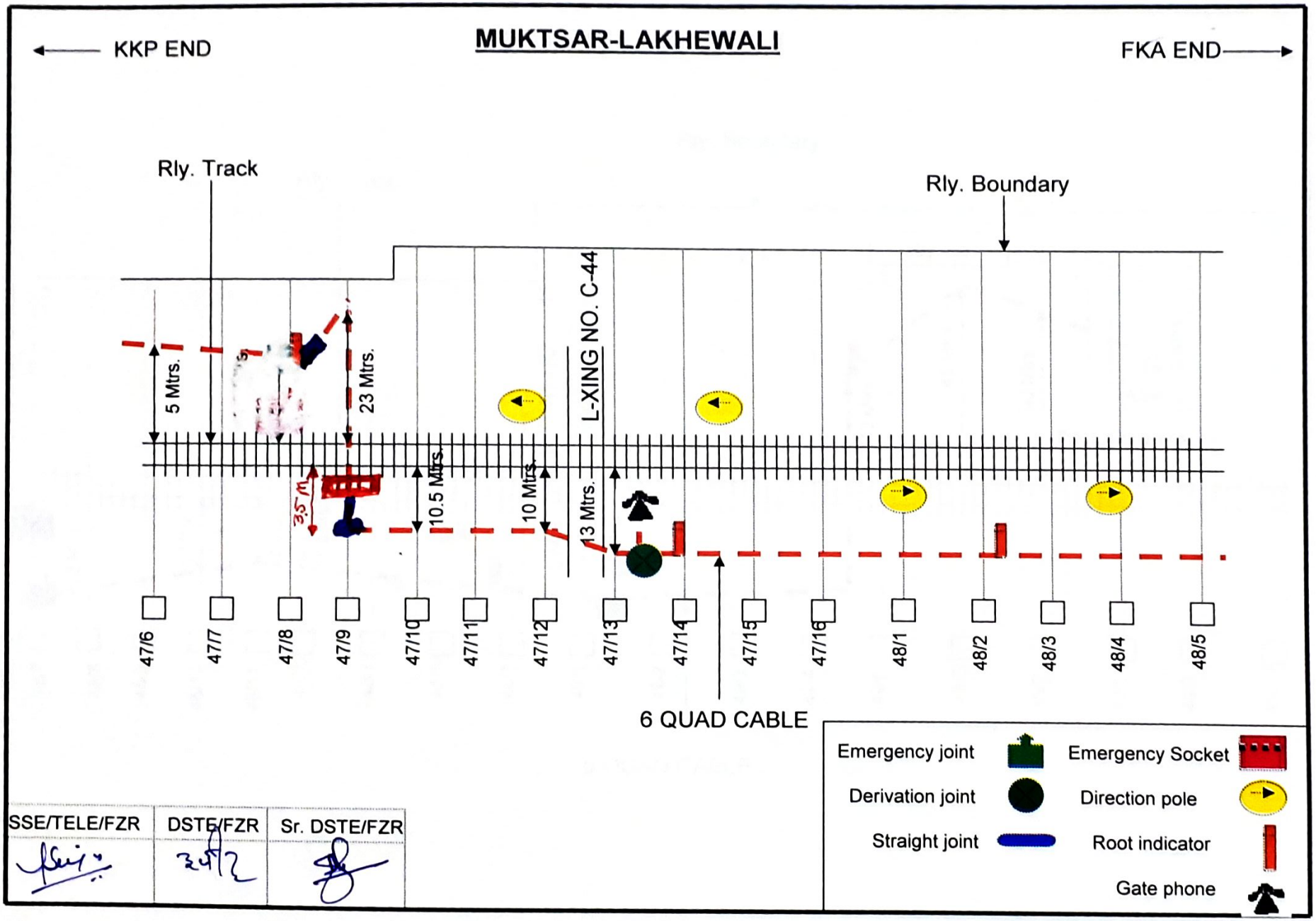
SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI

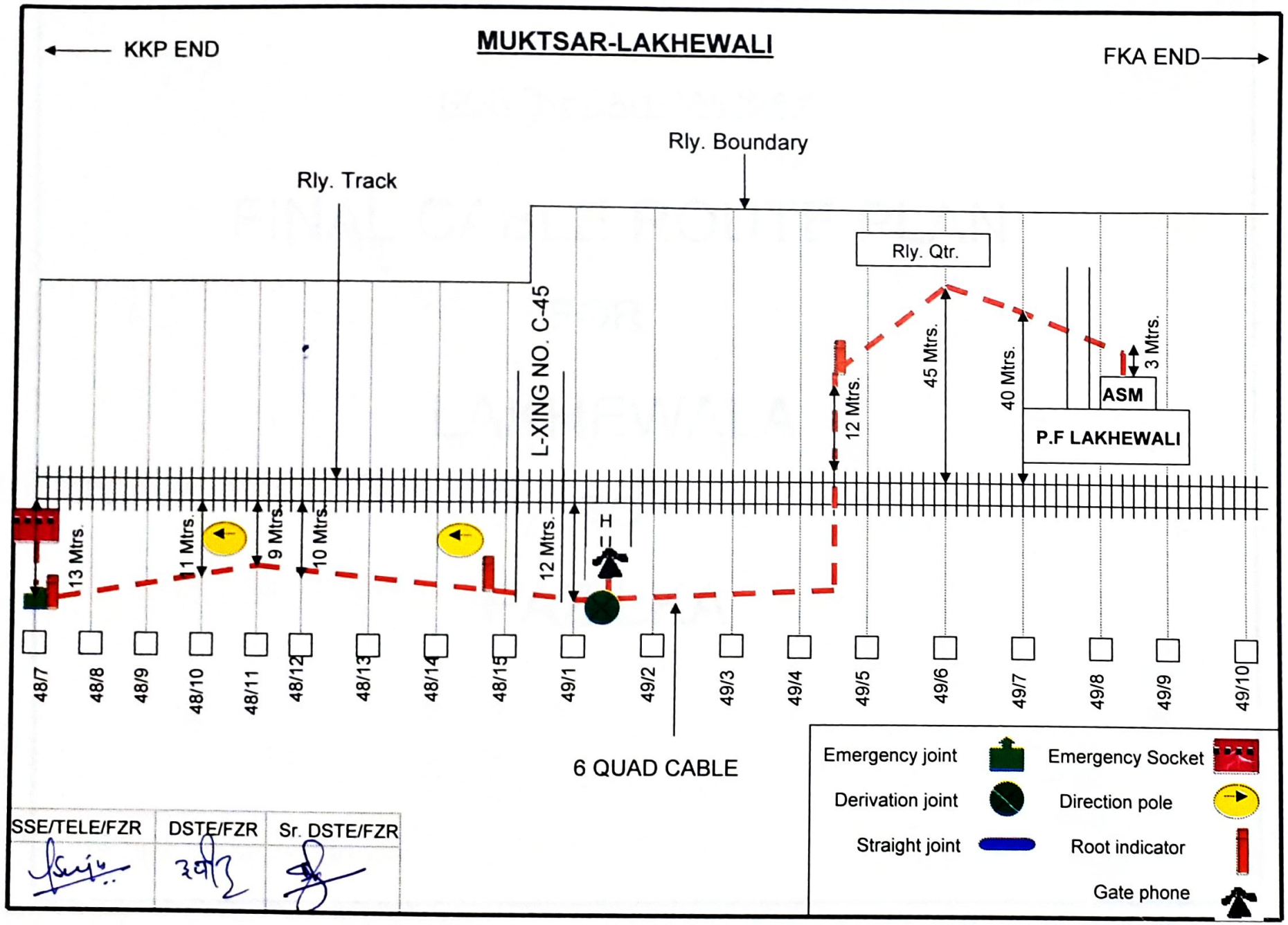


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

MUKTSAR-LAKHEWALI



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR


KKP END
MUKTSAR-LAKHEWALI
FKA END
Rly. Boundary
Rly. Track
Rly. Qtr.
L-XING NO. C-45
12 Mtrs.
45 Mtrs.
40 Mtrs.
3 Mtrs.
ASM
P.F LAKHEWALI
13 Mtrs.
11 Mtrs.
9 Mtrs.
10 Mtrs.
12 Mtrs.
48/7
48/8
48/9
48/10
48/11
48/12
48/13
48/14
48/15
49/1
49/2
49/3
49/4
49/5
49/6
49/7
49/8
49/9
49/10
6 QUAD CABLE
Emergency joint
Emergency Socket
Derivation joint
Direction pole
Straight joint
Root indicator
Gate phone
SSE/TELE/FZR
DSTE/FZR
Sr. DSTE/FZR

NORTHERAN RAILWAY

FINAL CABLE ROUTE PLAN

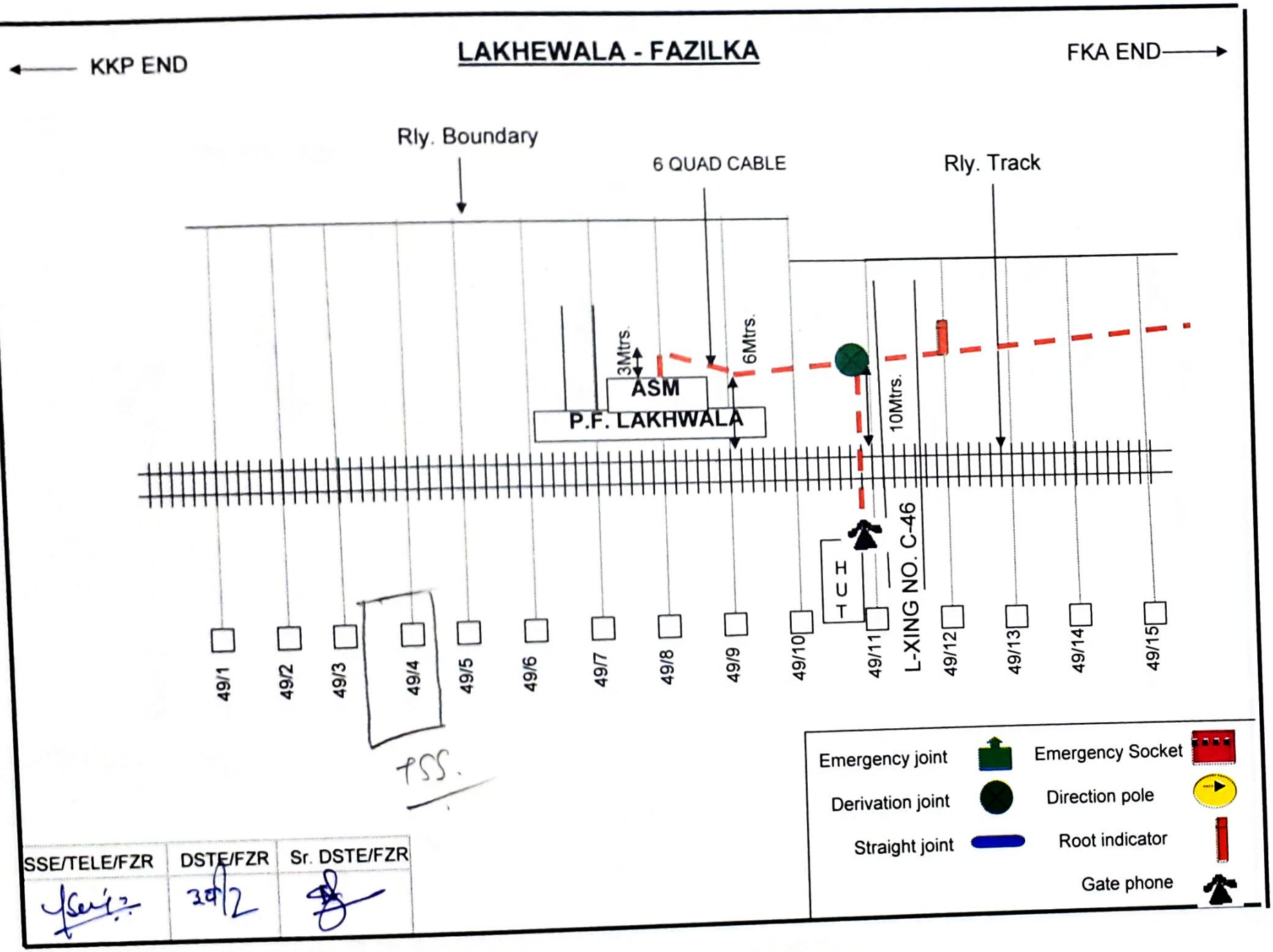
FOR

LAKHEWALA

TO

FAZILKA

LAKHEWALA - FAZILKA

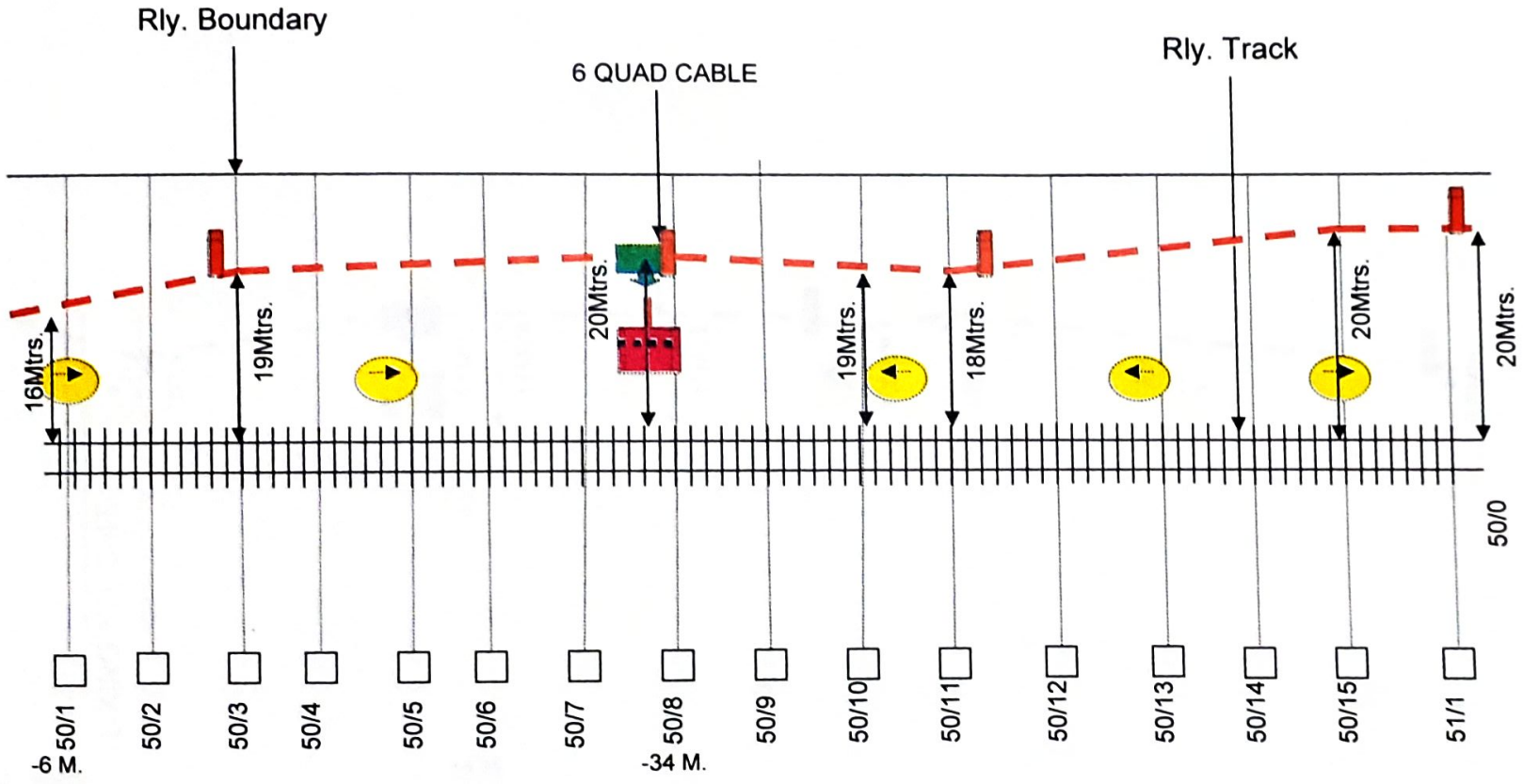


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	30/12	

LAKHEWALA - FAZILKA

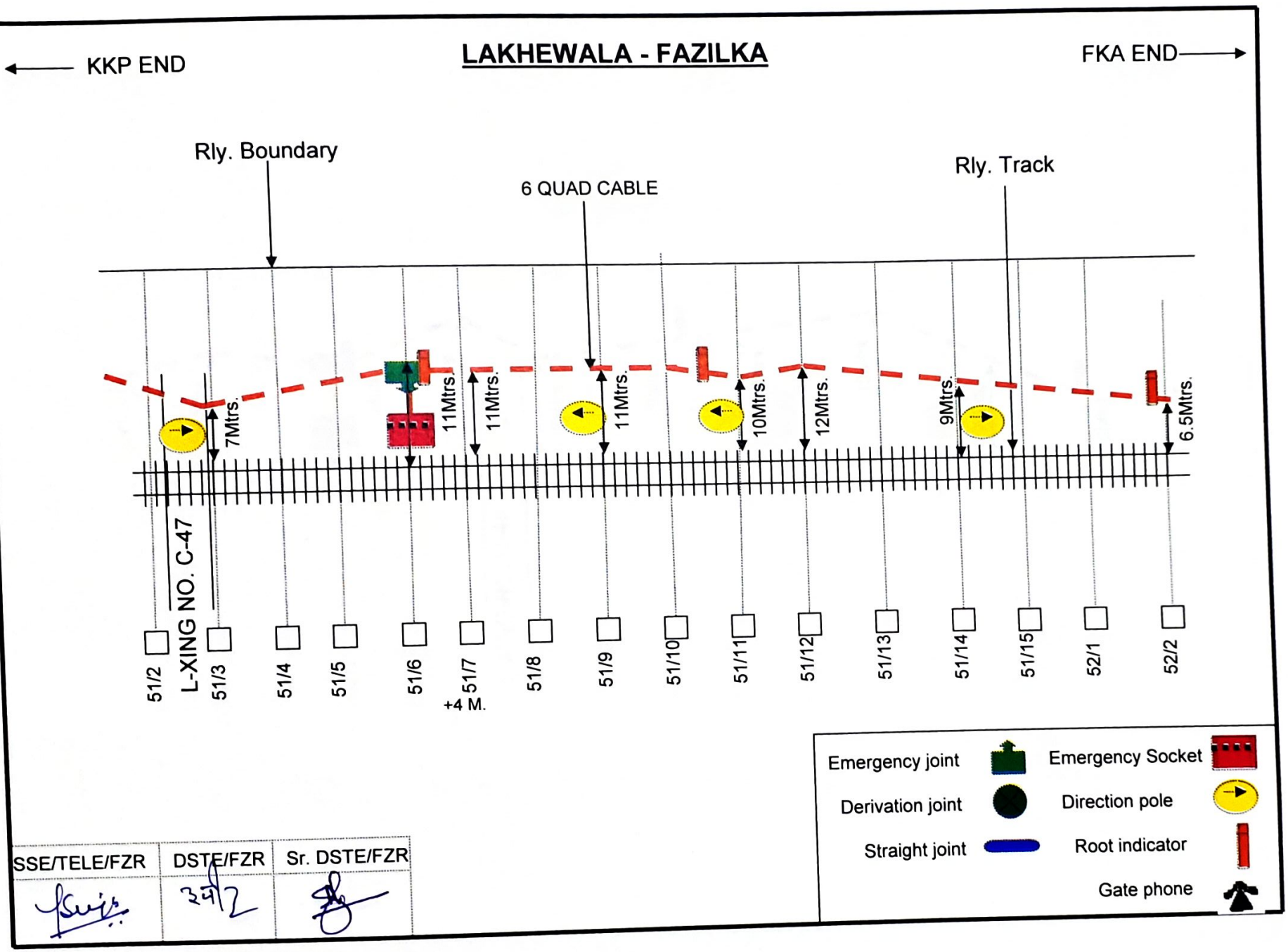
← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA

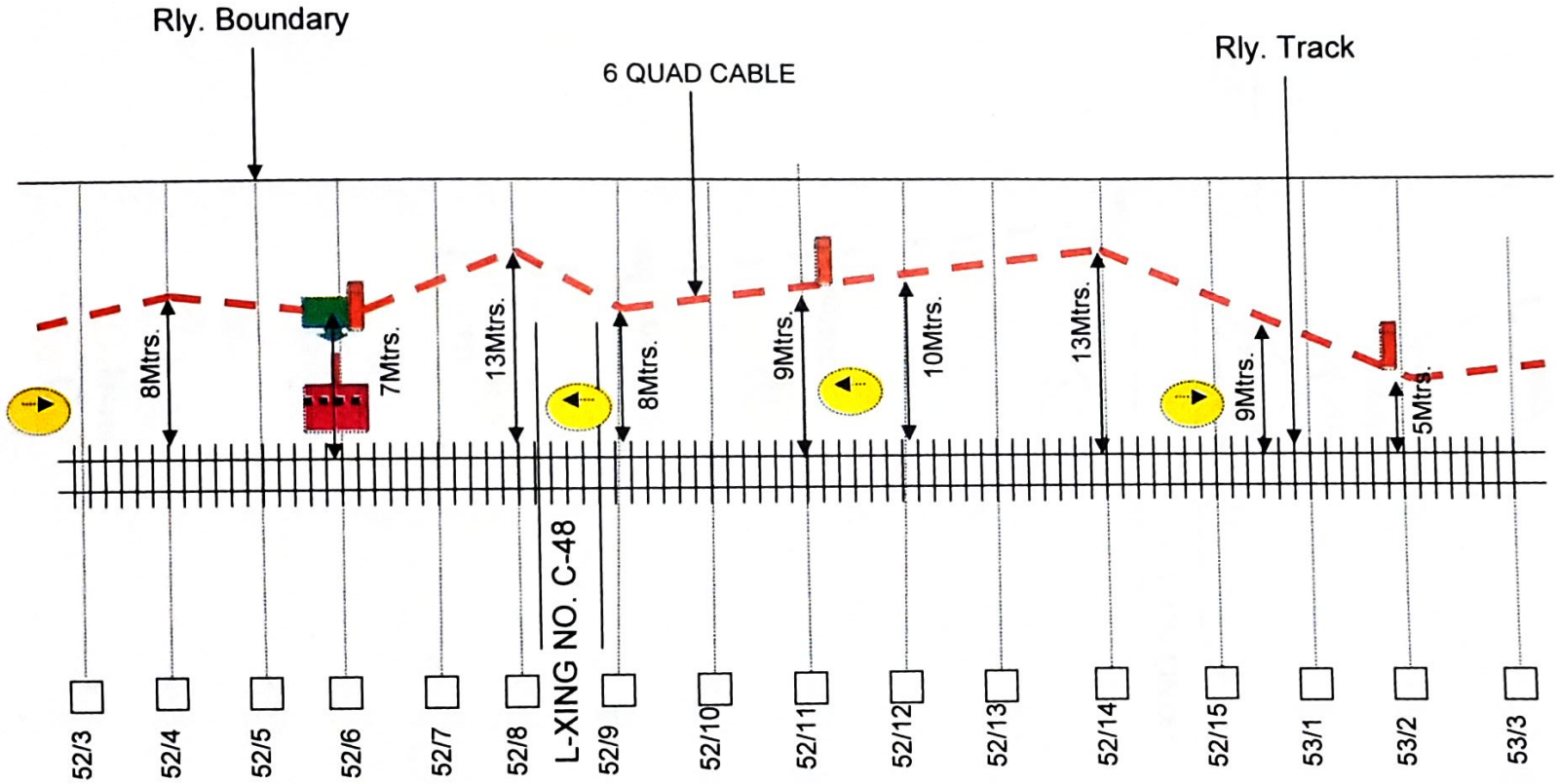


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3/12	

LAKHEWALA - FAZILKA

← KKP END

FKA END →



Emergency joint — Emergency Socket

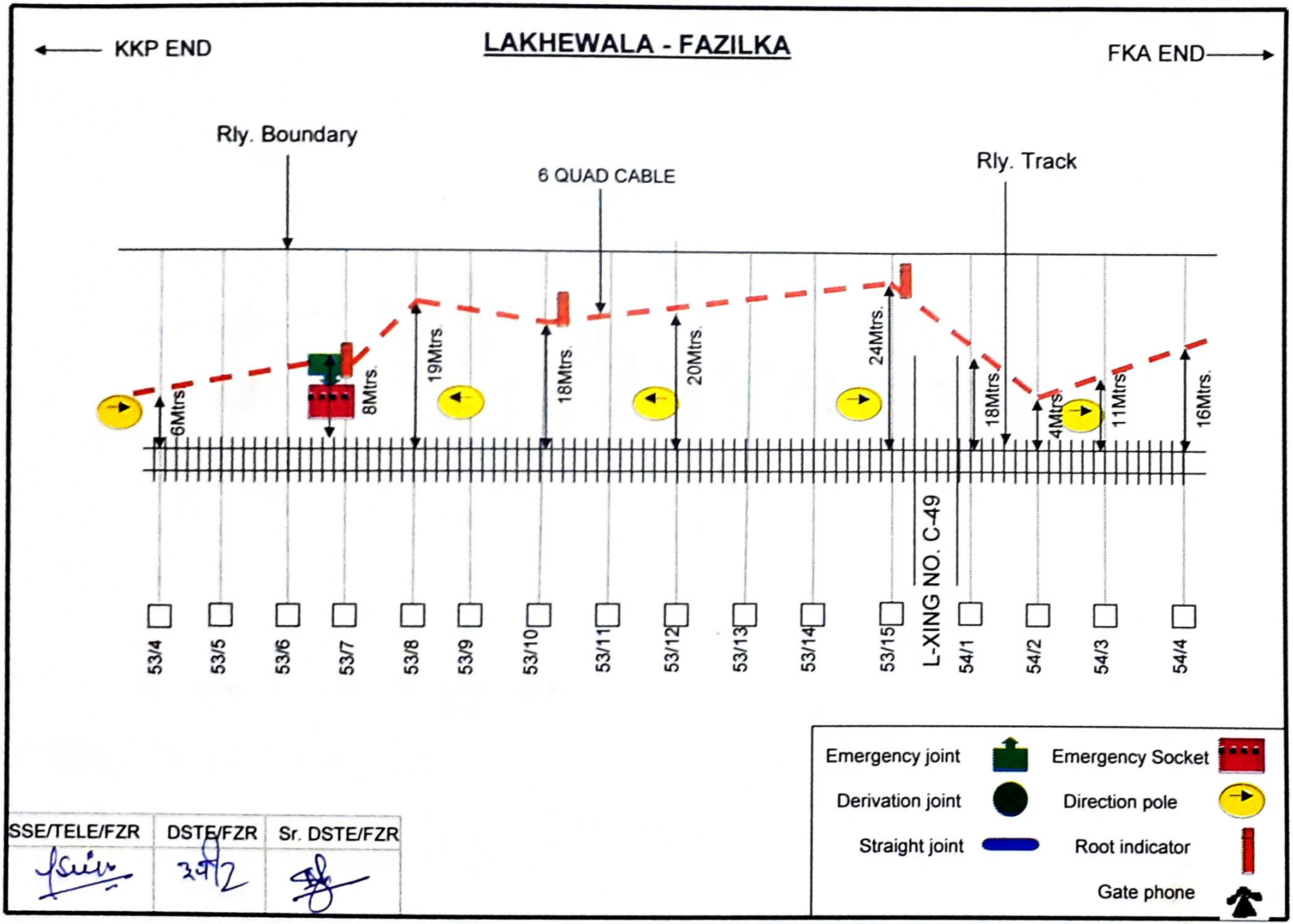
Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	29/7	

LAKHEWALA - FAZILKA

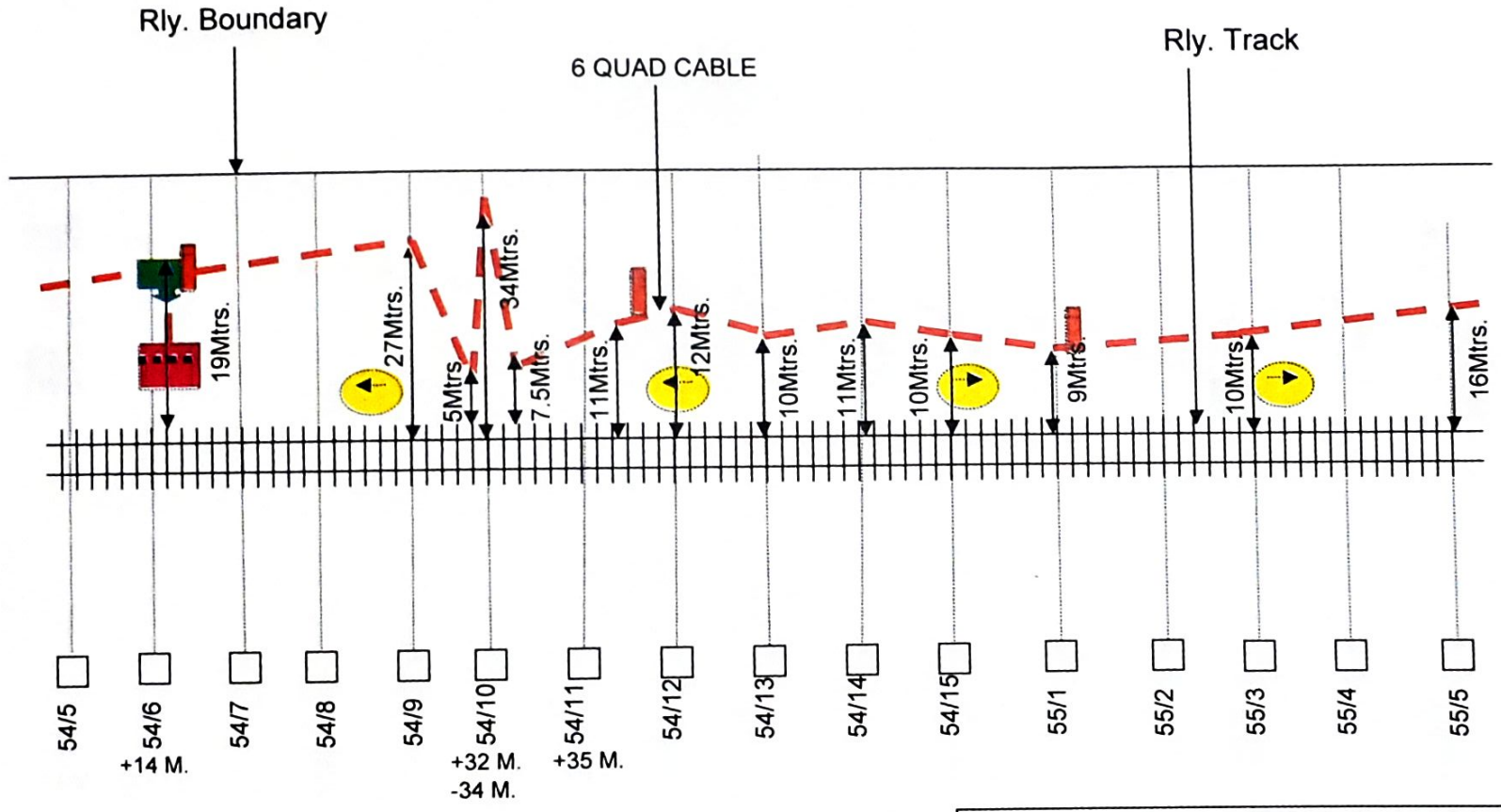


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3/7/2	

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

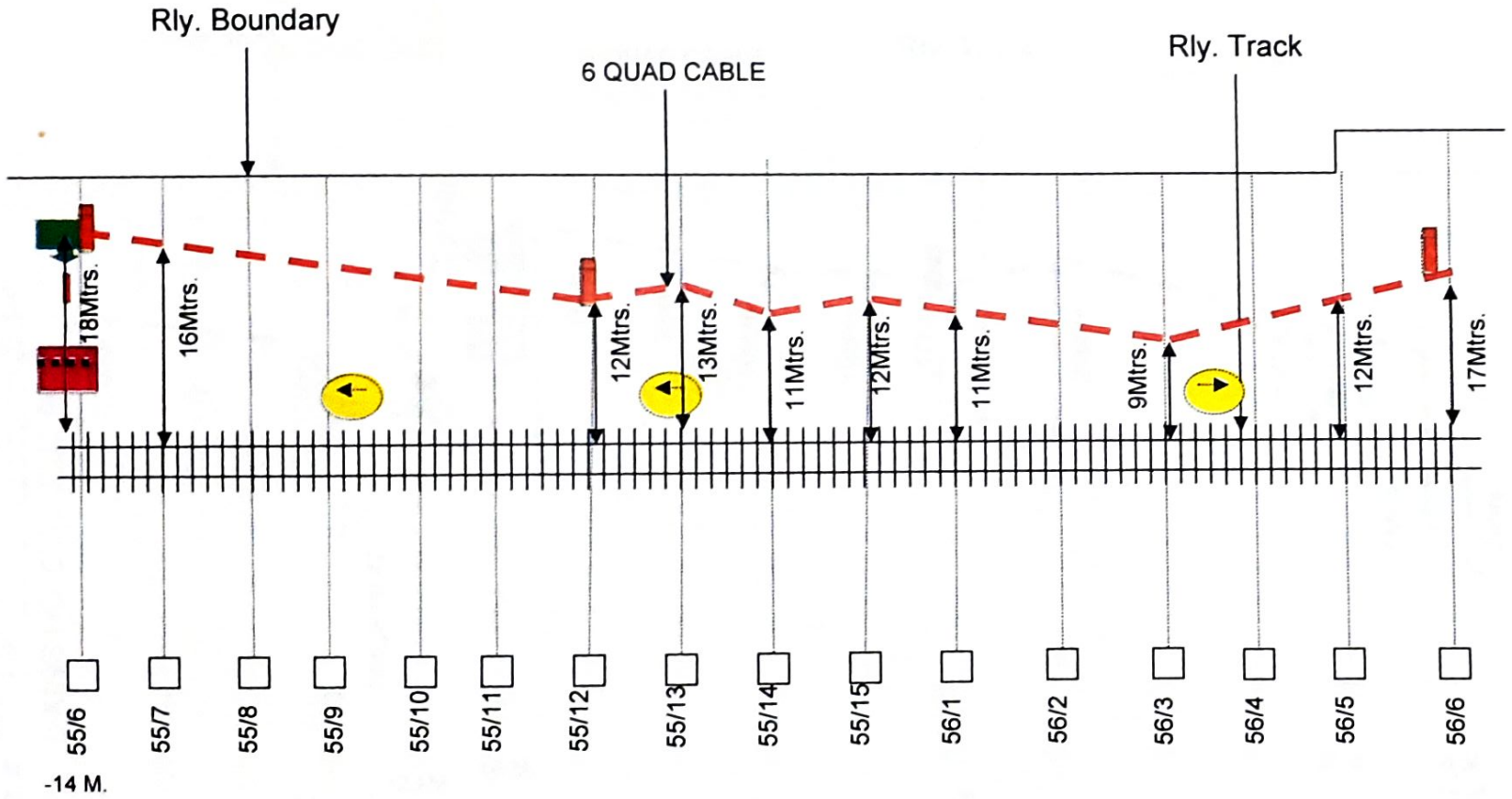
Root indicator

Gate phone

LAKHEWALA - FAZILKA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

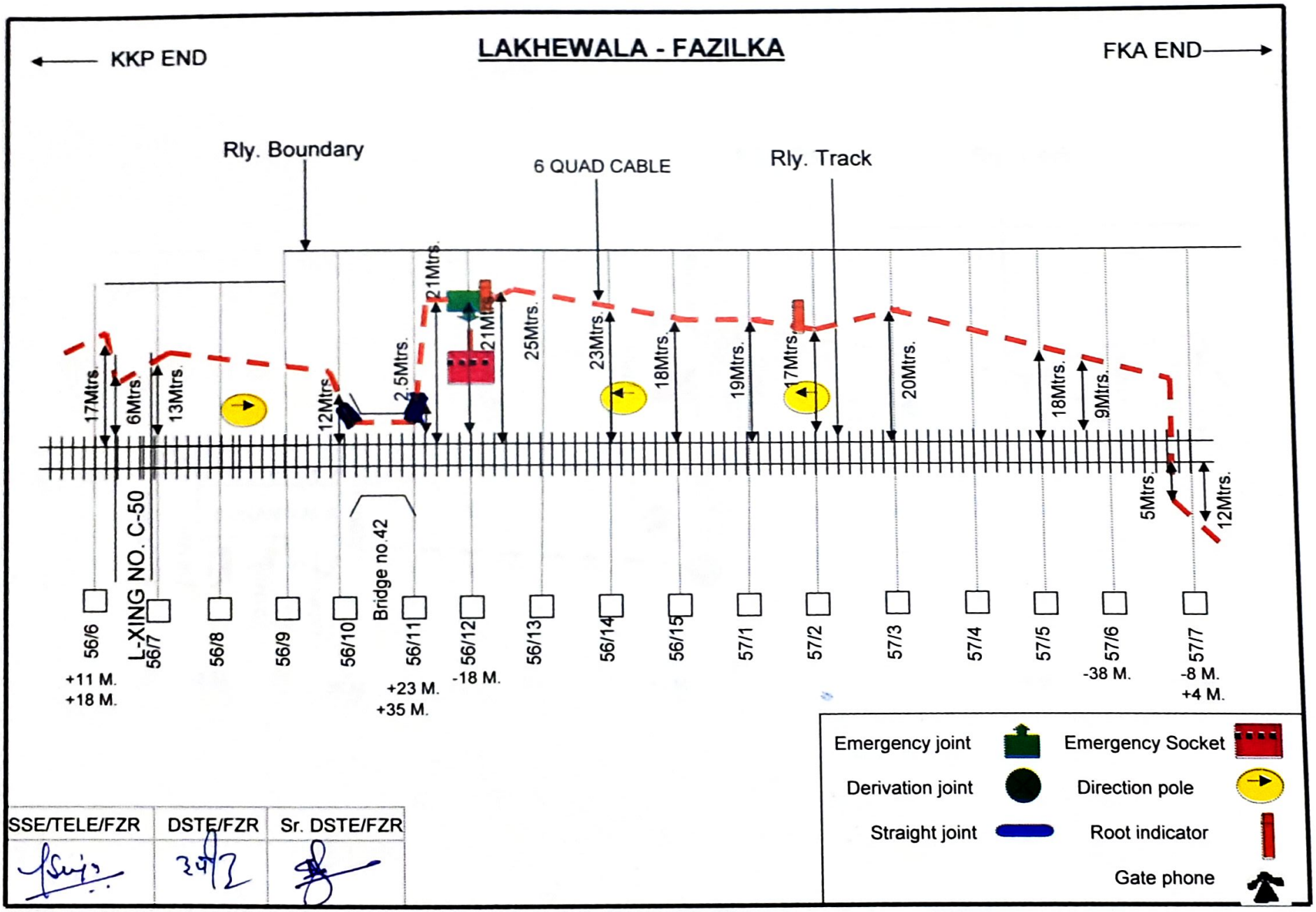
Straight joint

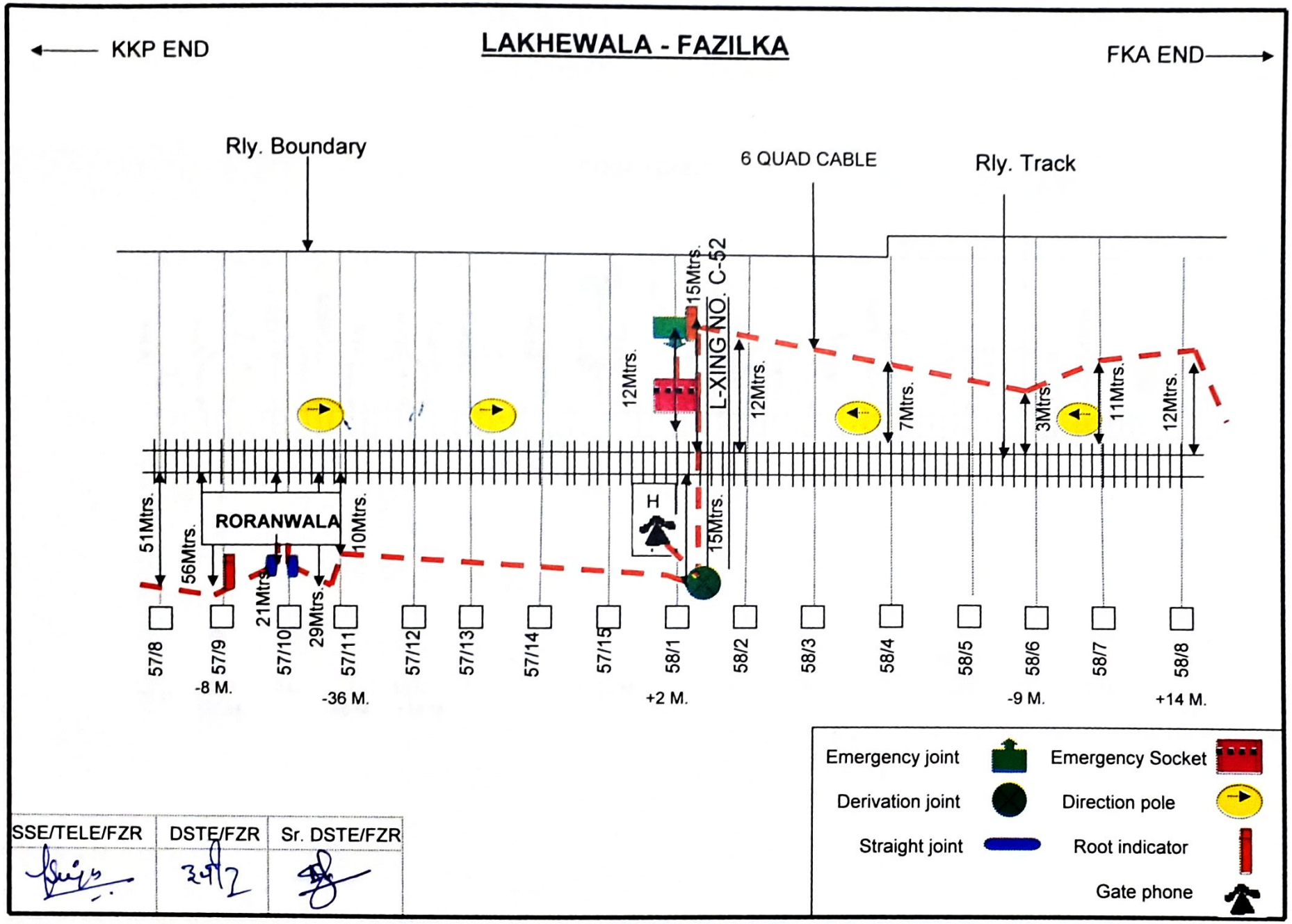
Emergency Socket

Direction pole

Root indicator

Gate phone


KKP END
LAKHEWALA - FAZILKA
FKA END
Rly. Boundary
6 QUAD CABLE
Rly. Track
17Mtrs.
6Mtrs.
13Mtrs.
12Mtrs.
2.5Mtrs.
21Mtrs.
21Mtrs.
25Mtrs.
23Mtrs.
18Mtrs.
19Mtrs.
17Mtrs.
20Mtrs.
18Mtrs.
9Mtrs.
5Mtrs.
12Mtrs.
L-XING NO. C-50
Bridge no.42
56/6
56/7
56/8
56/9
56/10
56/11
56/12
56/13
56/14
56/15
57/1
57/2
57/3
57/4
57/5
57/6
57/7
+11 M.
+18 M.
+23 M.
+35 M.
-18 M.
-38 M.
-8 M.
+4 M.
Emergency joint
Emergency Socket
Derivation joint
Direction pole
Straight joint
Root indicator
Gate phone
SSE/TELE/FZR
DSTE/FZR
Sr. DSTE/FZR

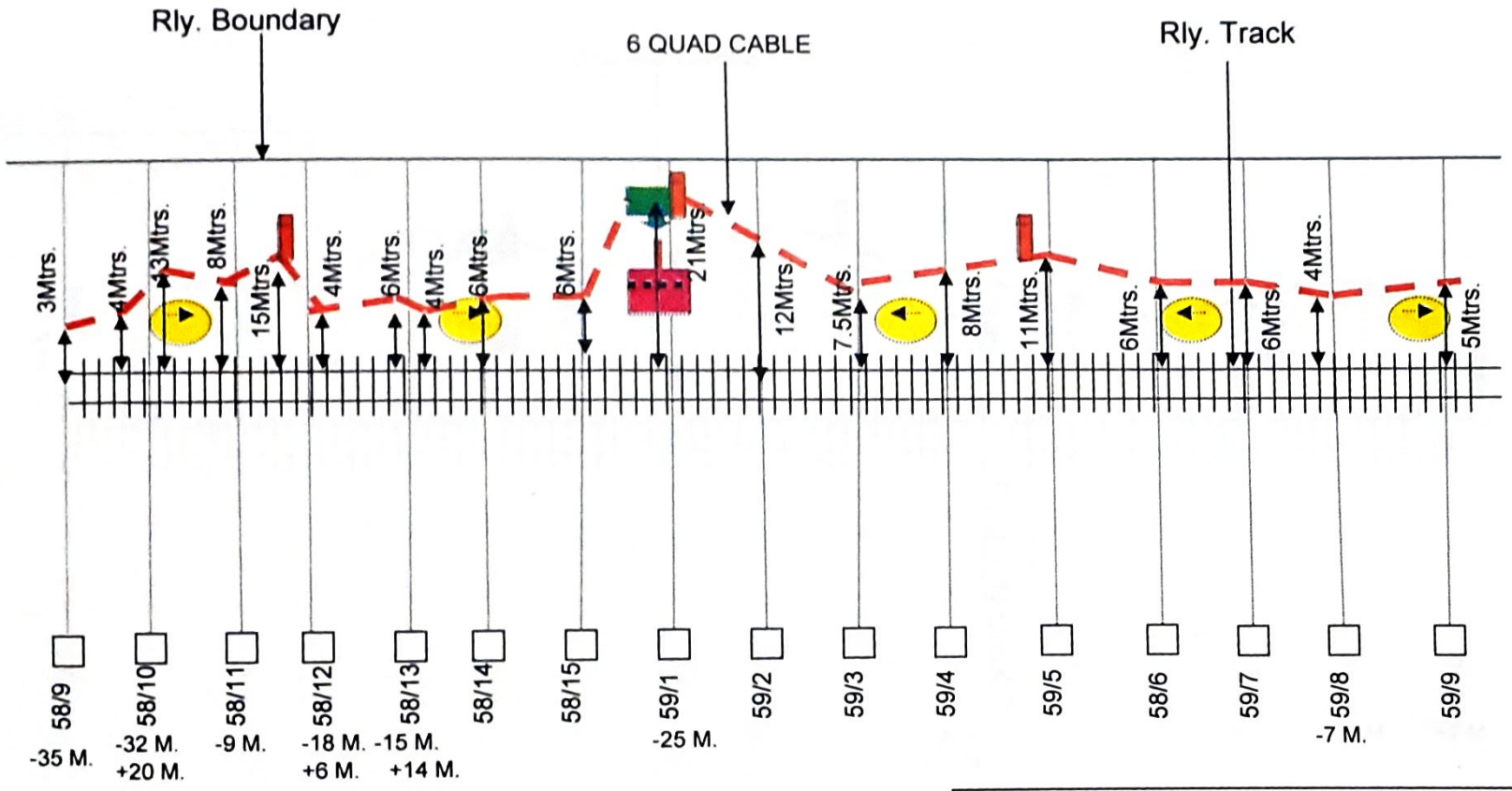


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA

KKP END ←

→ FKA END



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	24/2	

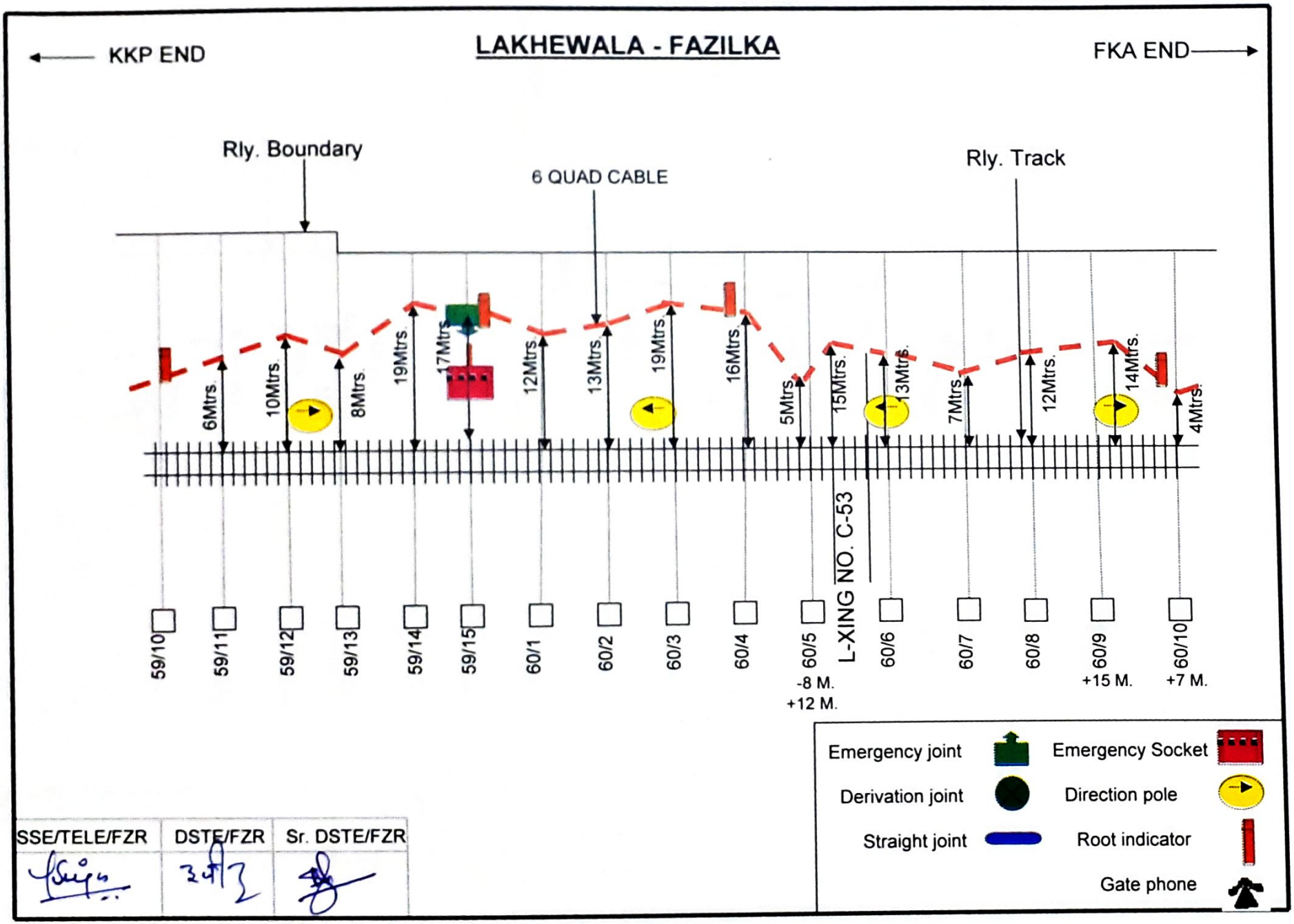
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

LAKHEWALA - FAZILKA

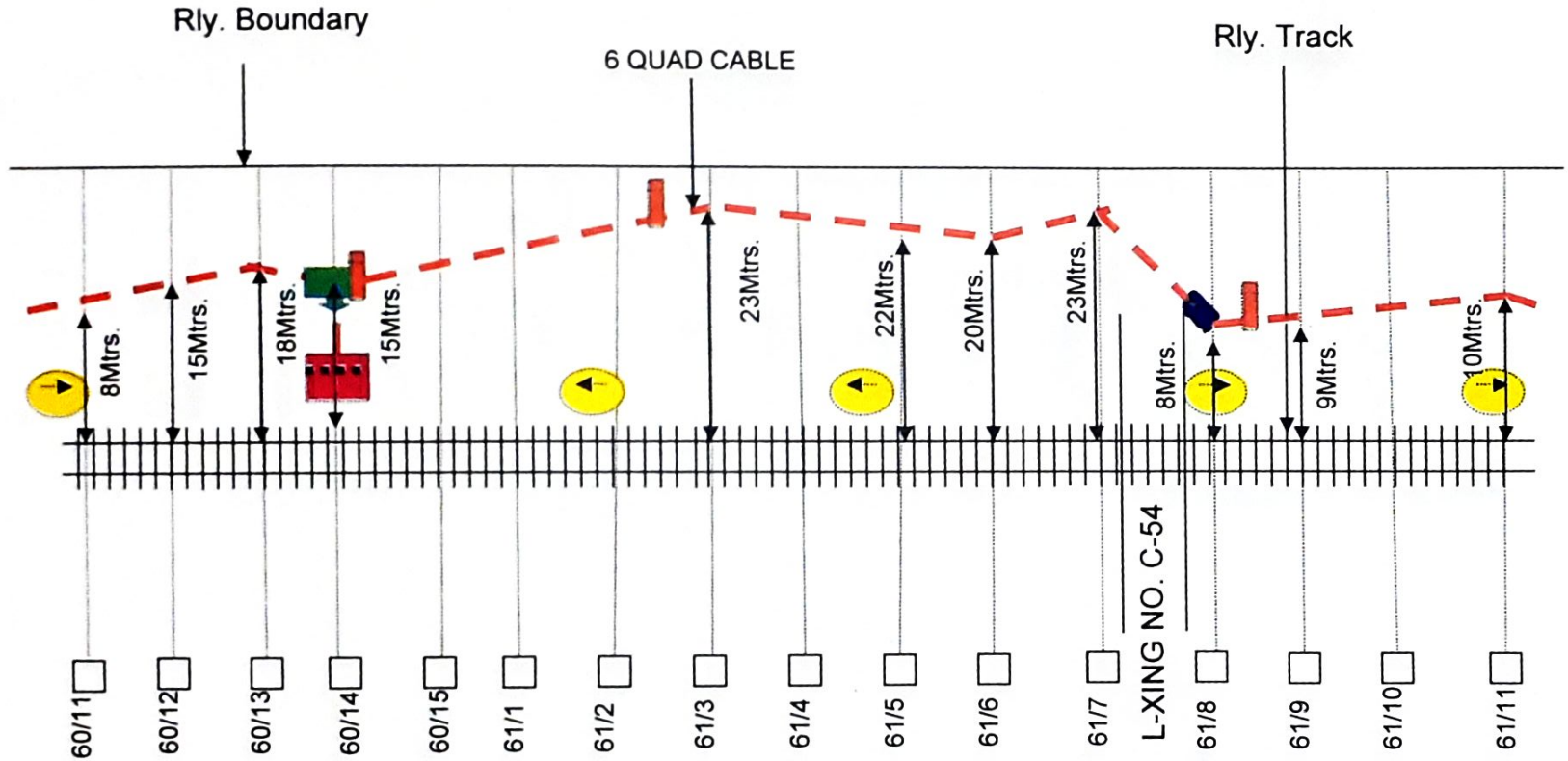


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3473	

LAKHEWALA - FAZILKA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

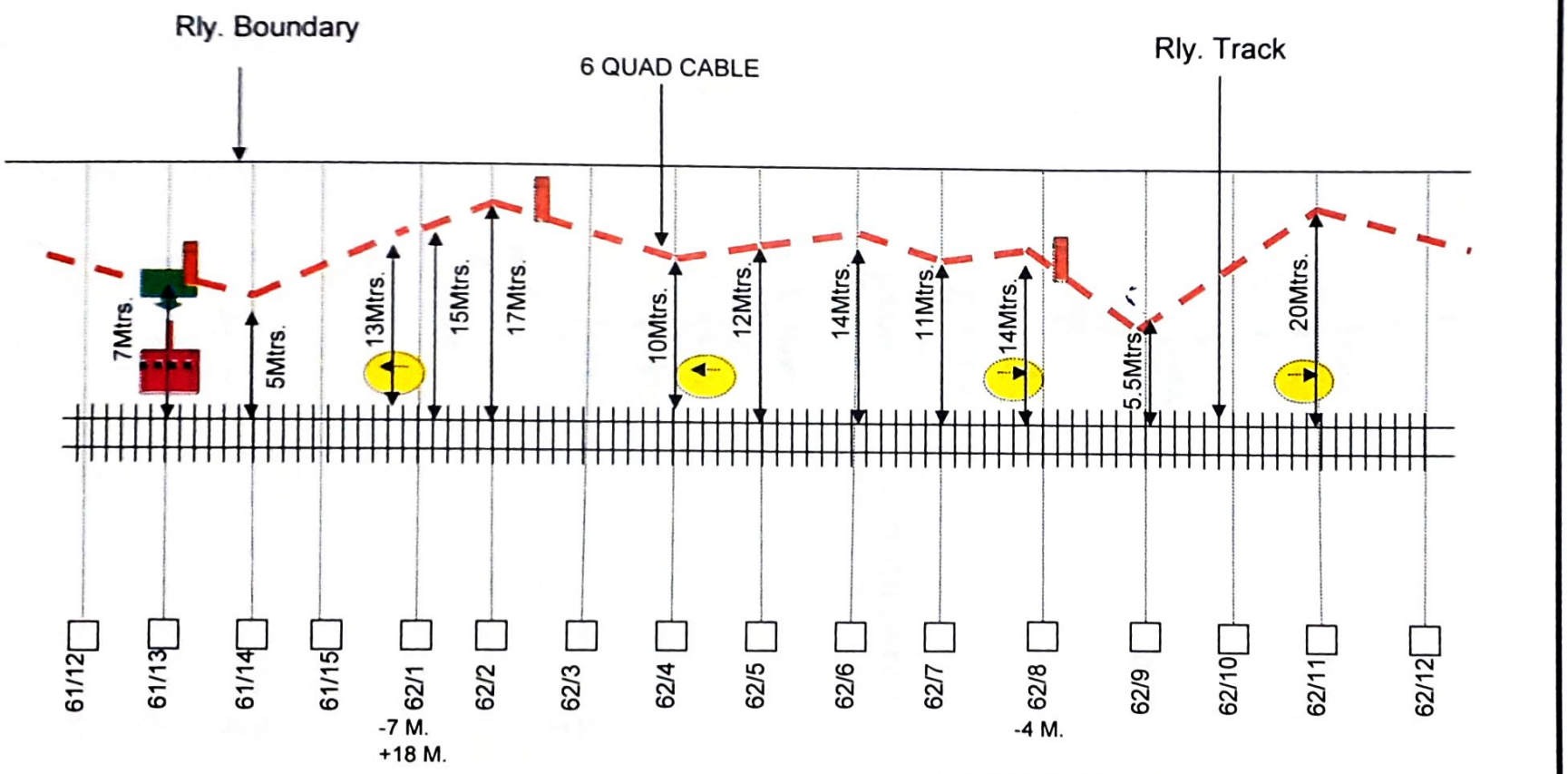
Emergency Socket

Direction pole

Root indicator

Gate phone

LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

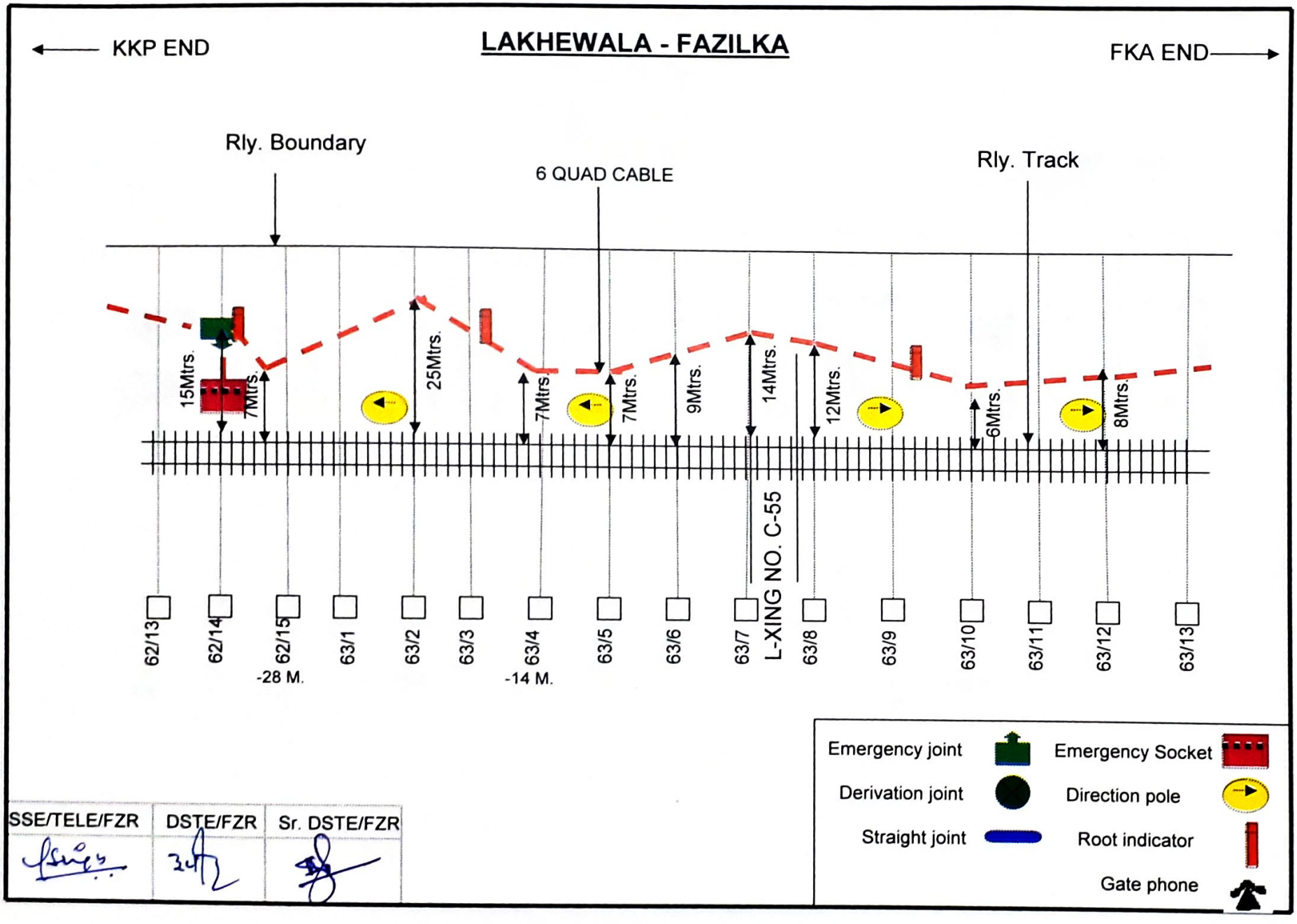
Emergency joint — Emergency Socket

Derivation joint — Direction pole

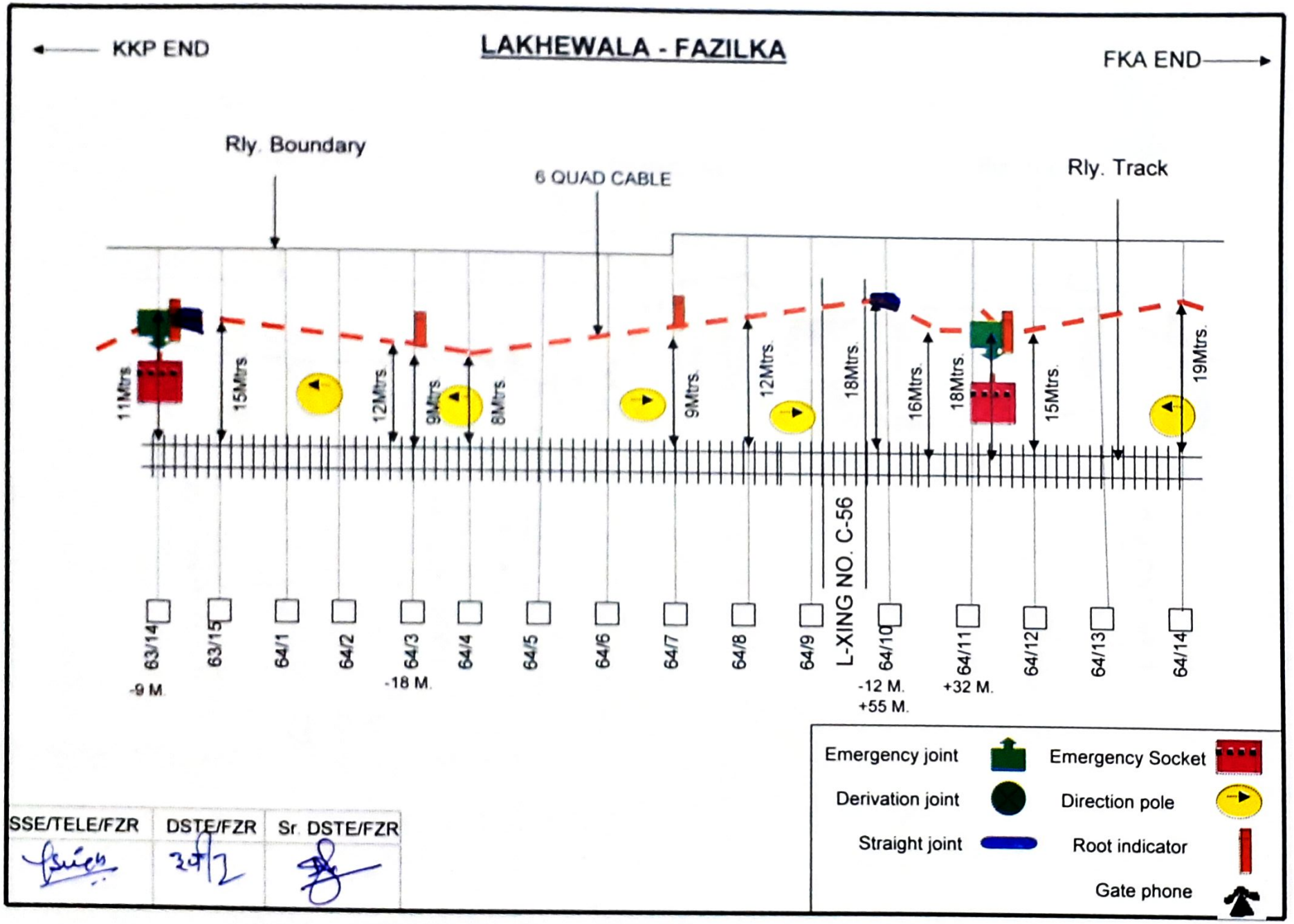
Straight joint — Root indicator

Gate phone

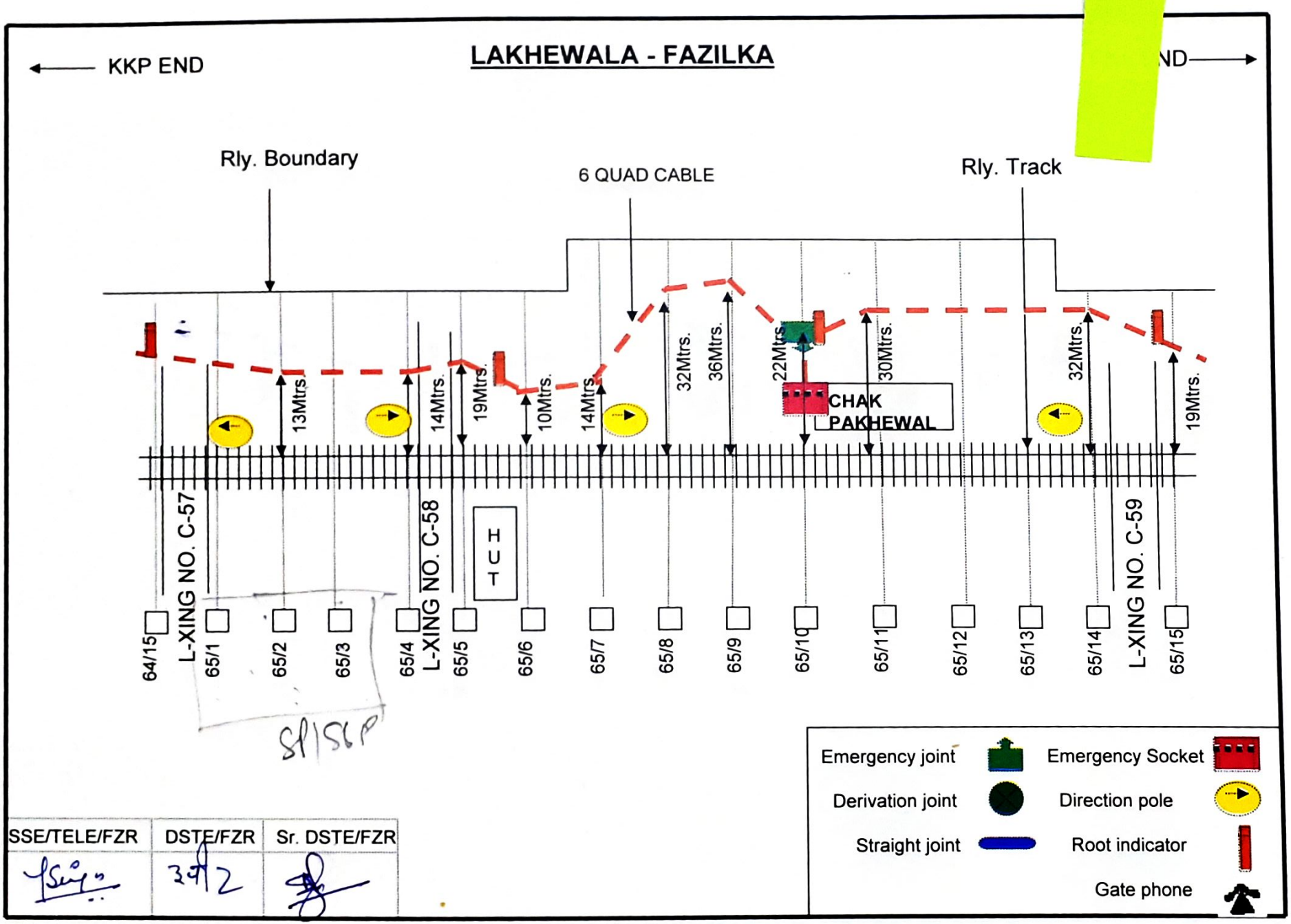
LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

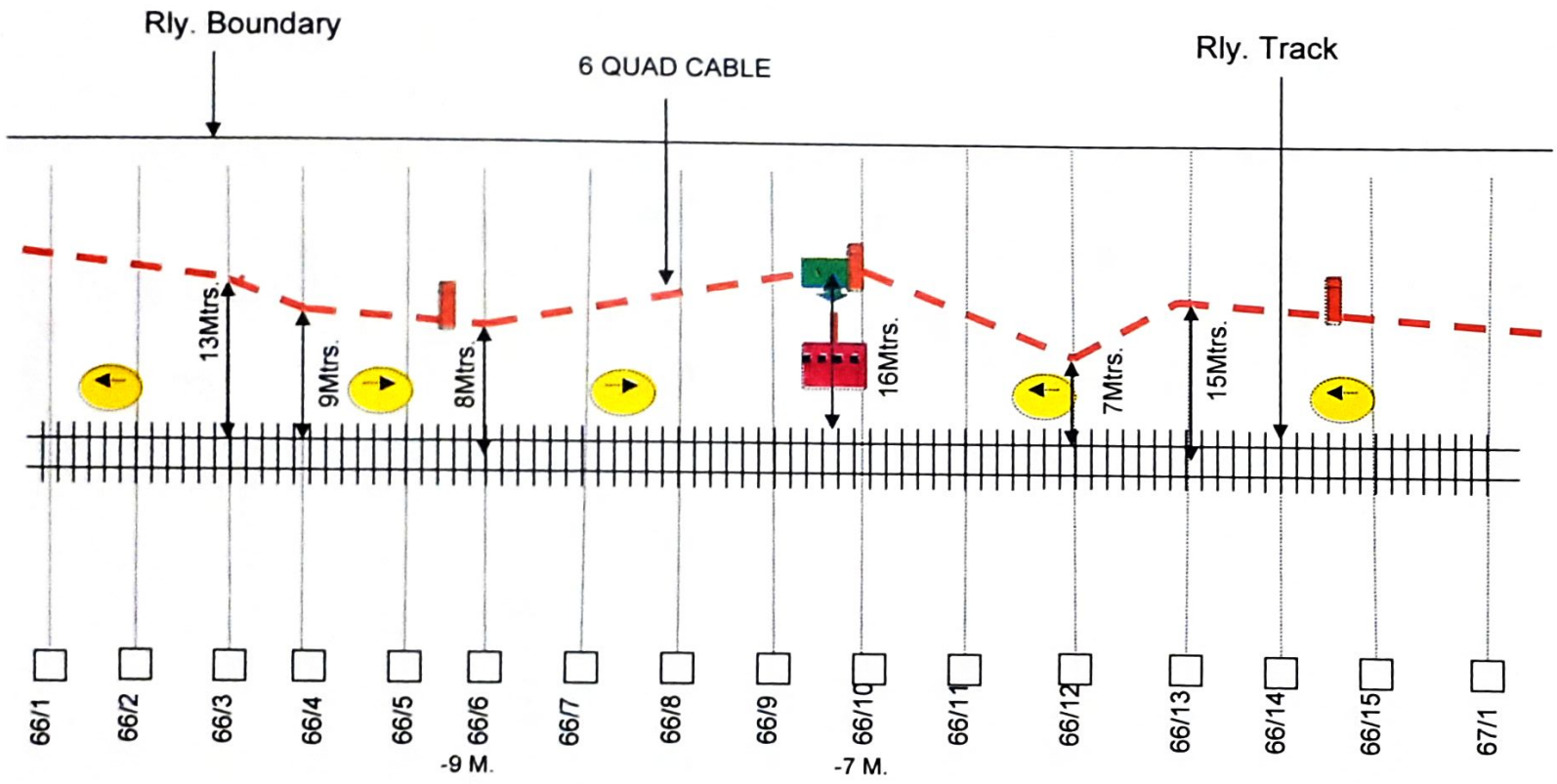

KKP END
LAKHEWALA - FAZILKA
FKA END
Rly. Boundary
6 QUAD CABLE
Rly. Track
11Mtrs
15Mtrs
12Mtrs
9Mtrs
8Mtrs
9Mtrs
12Mtrs
18Mtrs.
16Mtrs
18Mtrs.
15Mtrs.
19Mtrs.
L-XING NO. C-56
63/14
63/15
64/1
64/2
64/3
64/4
64/5
64/6
64/7
64/8
64/9
64/10
64/11
64/12
64/13
64/14
-9 M.
-18 M.
-12 M.
+55 M.
+32 M.
Emergency joint
Emergency Socket
Derivation joint
Direction pole
Straight joint
Root indicator
Gate phone
SSE/TELE/FZR
DSTE/FZR
Sr. DSTE/FZR

LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	3/12	

LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

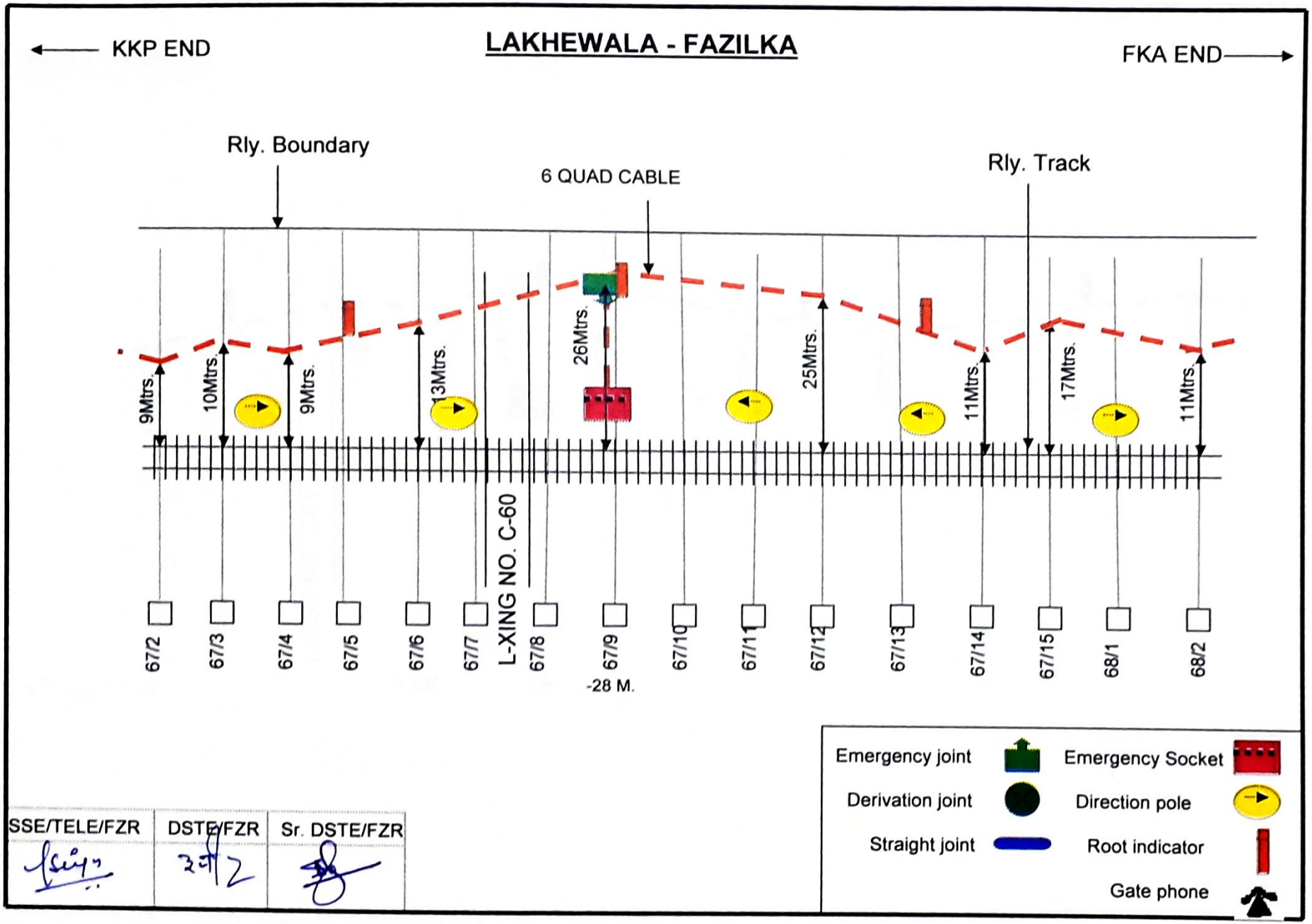
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

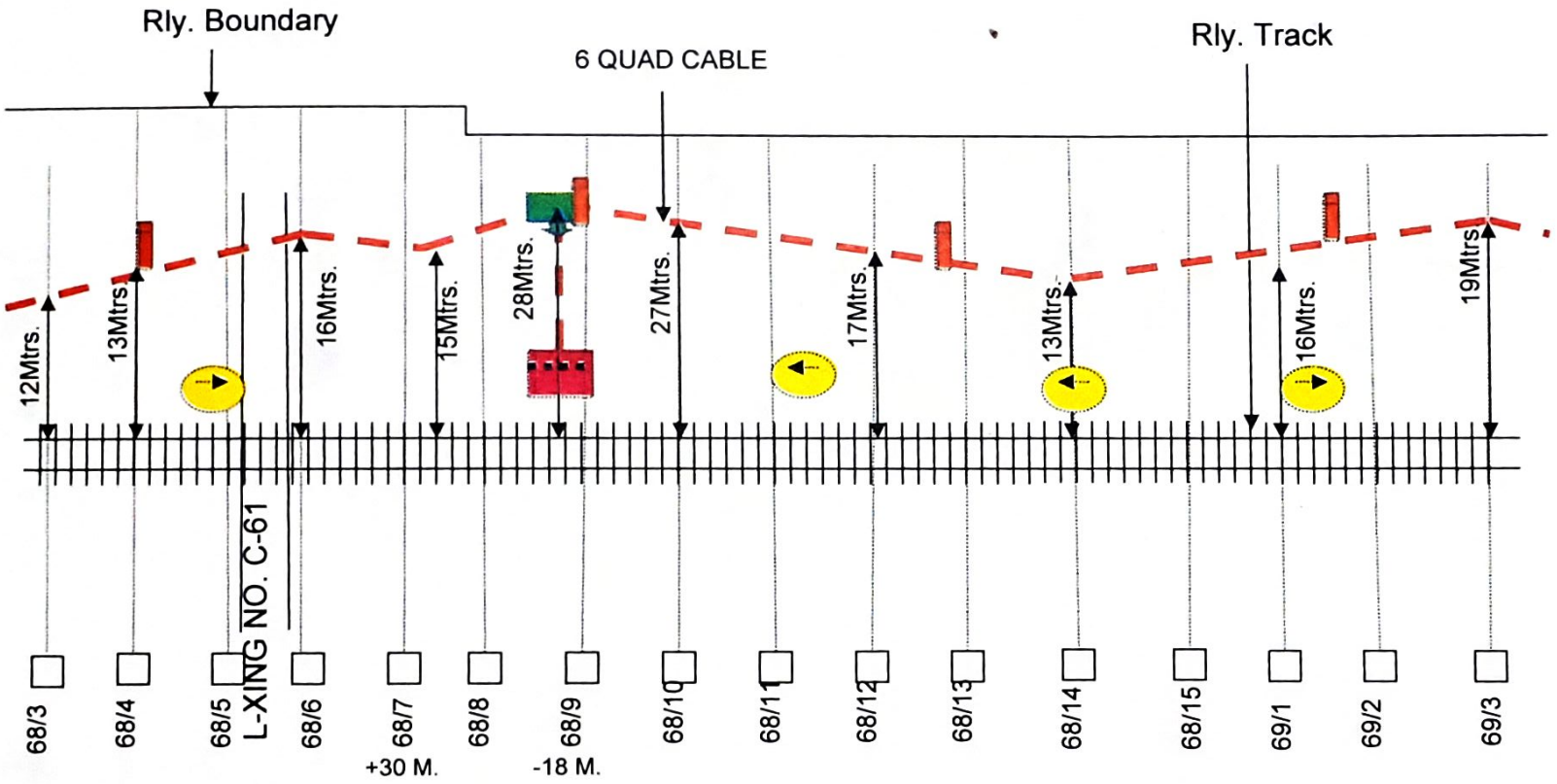
LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA

KKP END ⟵ ⟶ FKA END



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

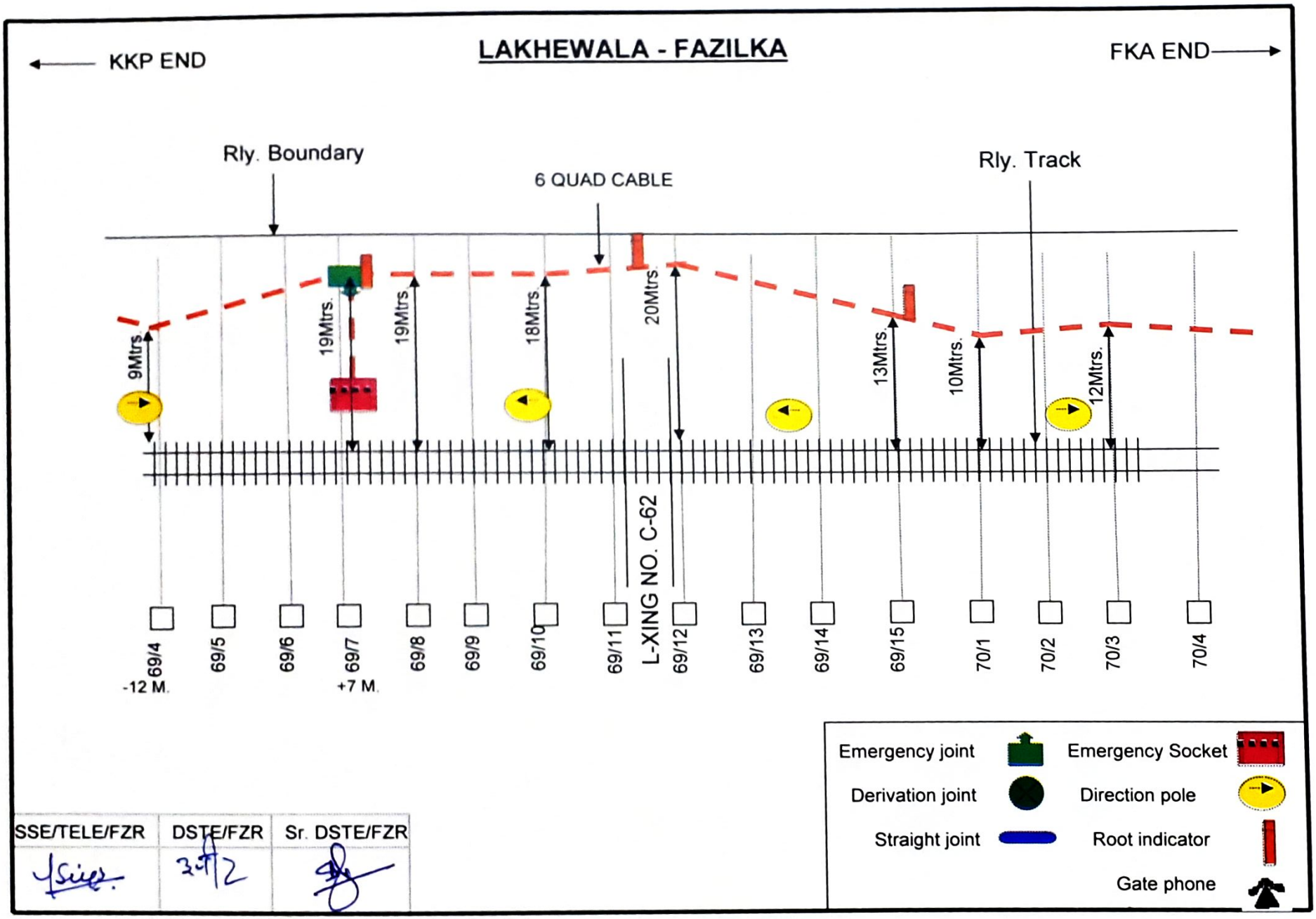
Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

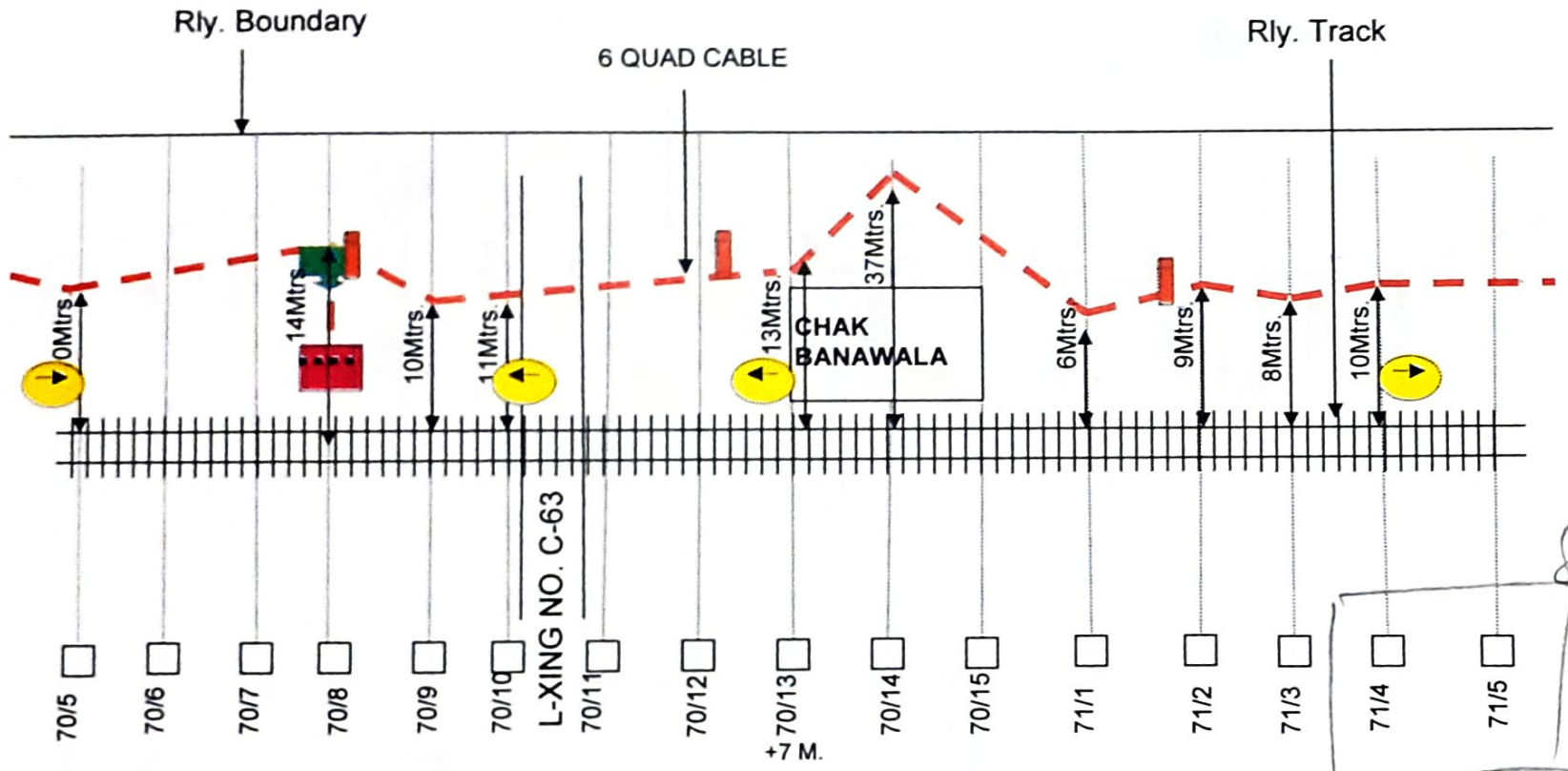
Gate phone

LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

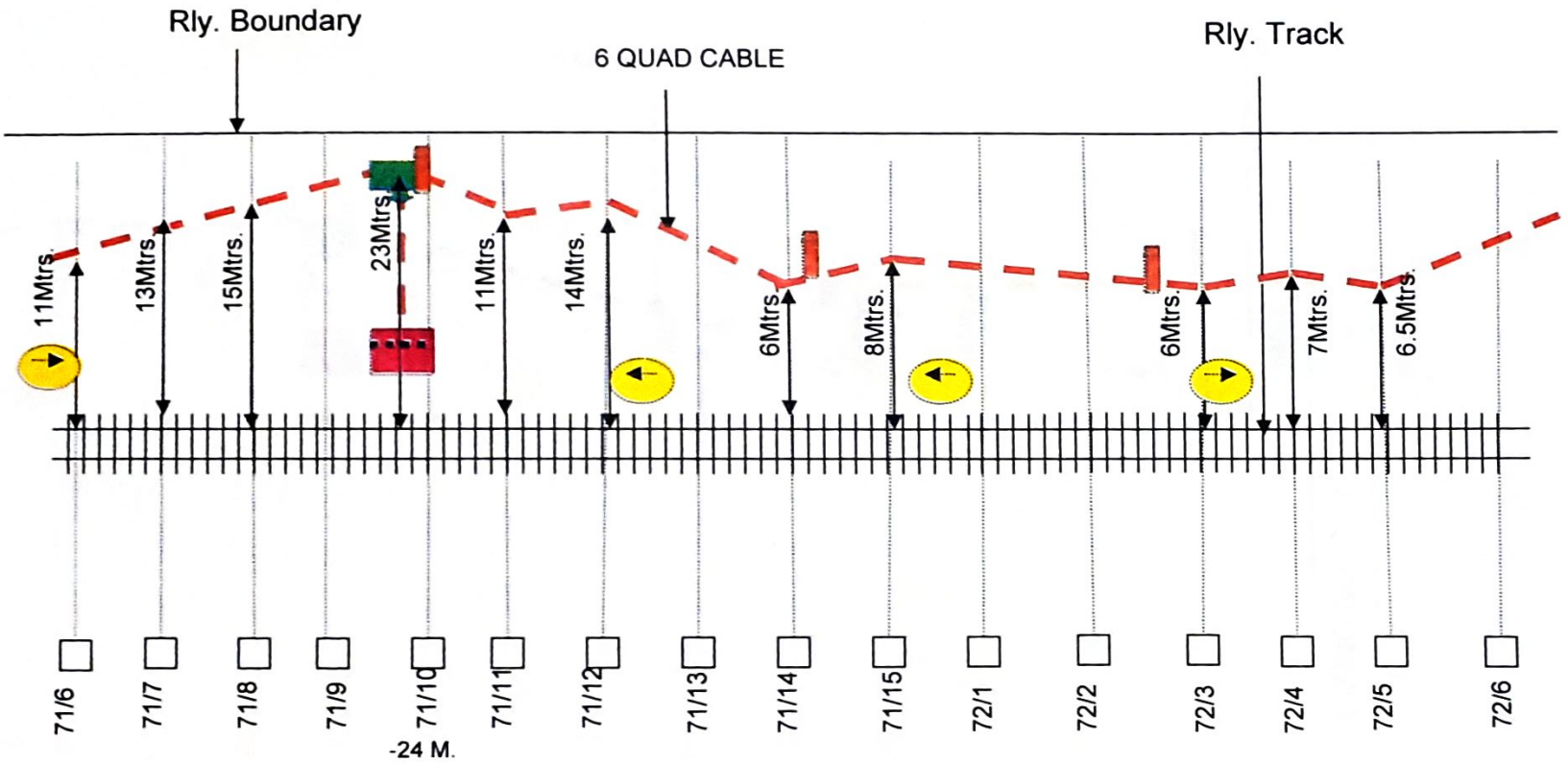
Straight joint — Root indicator

Gate phone

LAKHEWALA - FAZILKA

KKP END ←

→ FKA END



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR
	24/2	

Emergency joint — Emergency Socket

Derivation joint — Direction pole

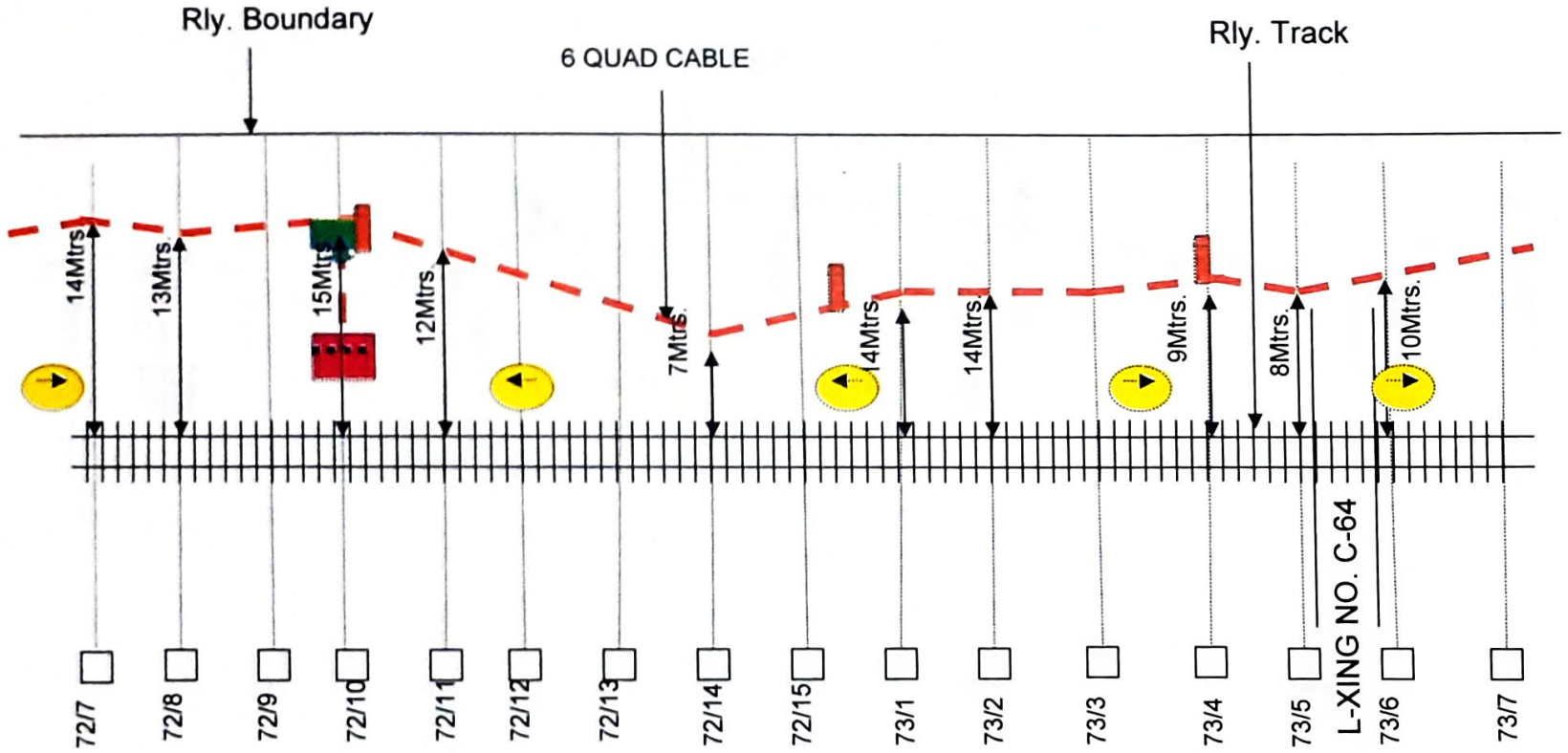
Straight joint — Root indicator

Gate phone

LAKHEWALA - FAZILKA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

Emergency Socket

Direction pole

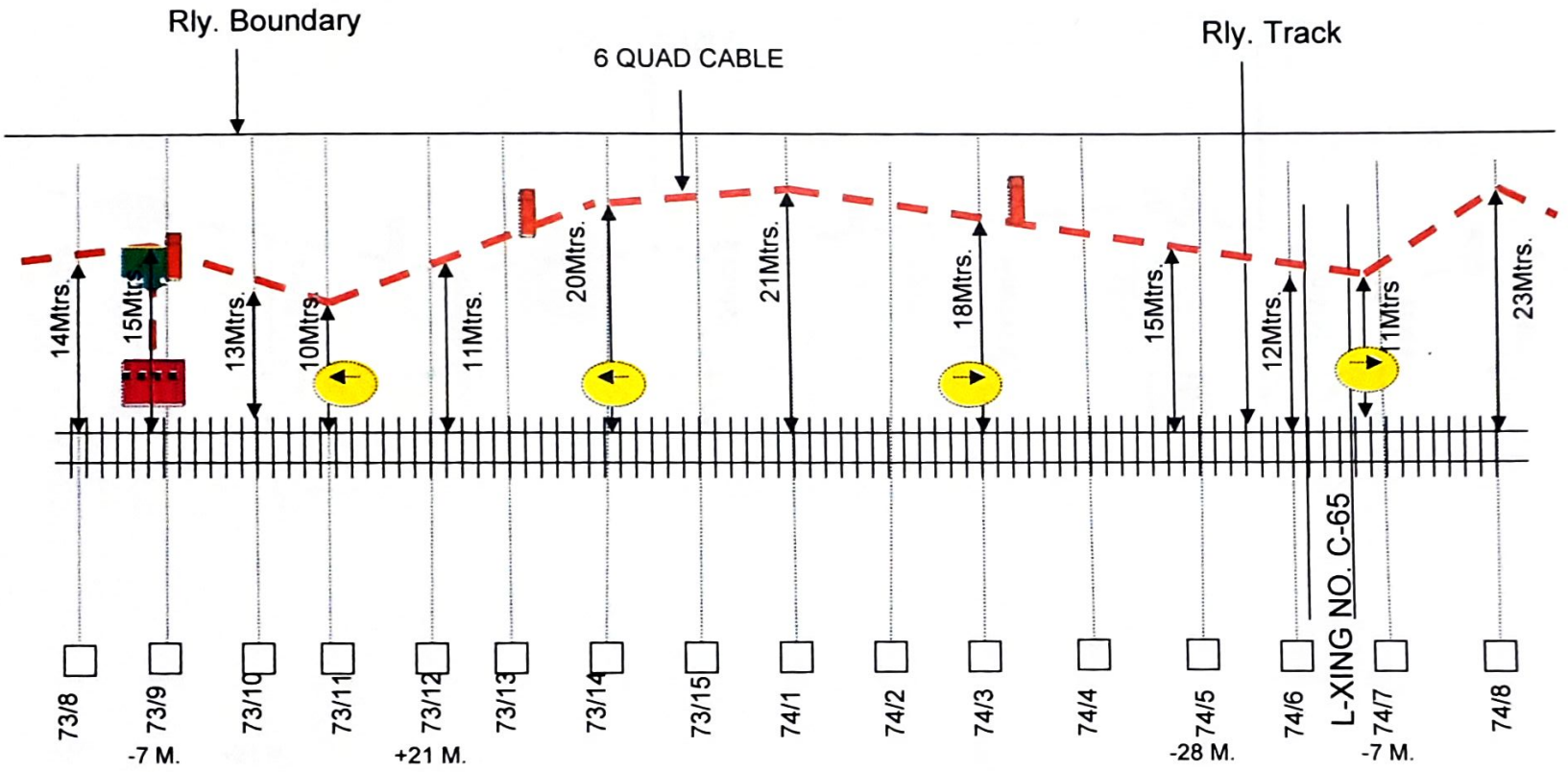
Root indicator

Gate phone

LAKHEWALA - FAZILKA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint — Emergency Socket

Derivation joint — Direction pole

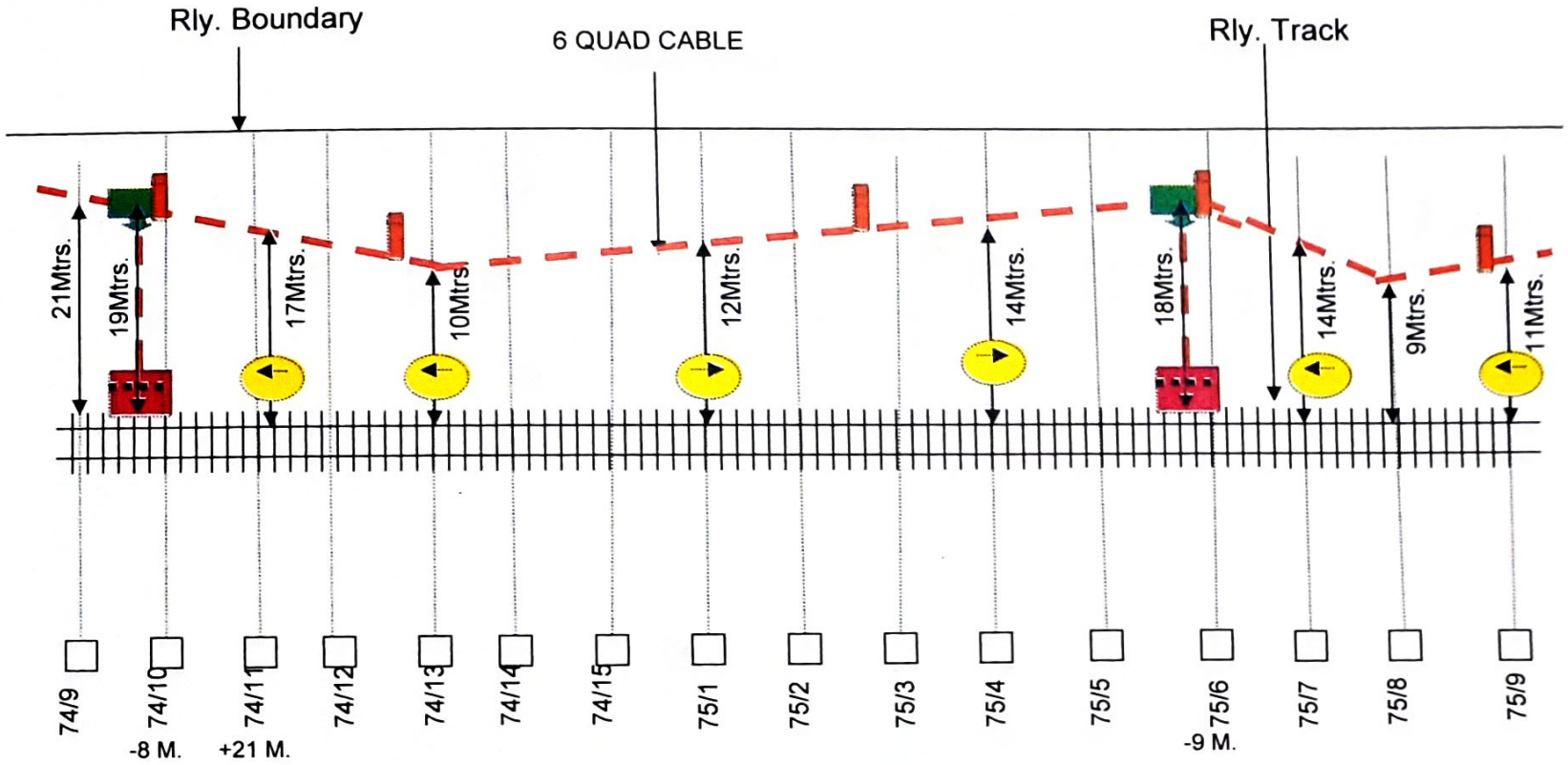
Straight joint — Root indicator

Gate phone

LAKHEWALA - FAZILKA

← KKP END

FKA END →



Emergency joint — Emergency Socket

Derivation joint — Direction pole

Straight joint — Root indicator

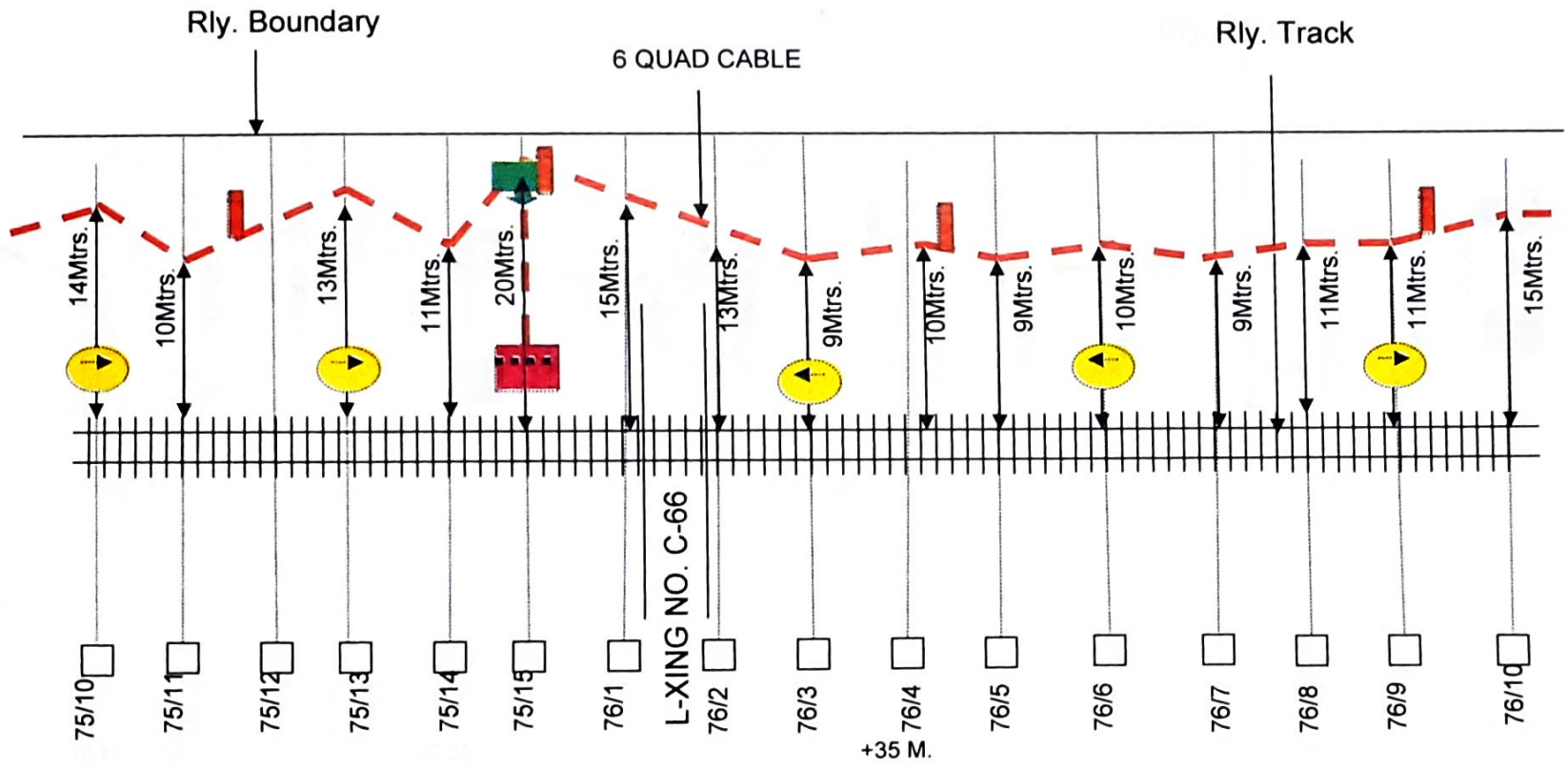
Gate phone

SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA

← KKP END

FKA END →



SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

Emergency joint

Derivation joint

Straight joint

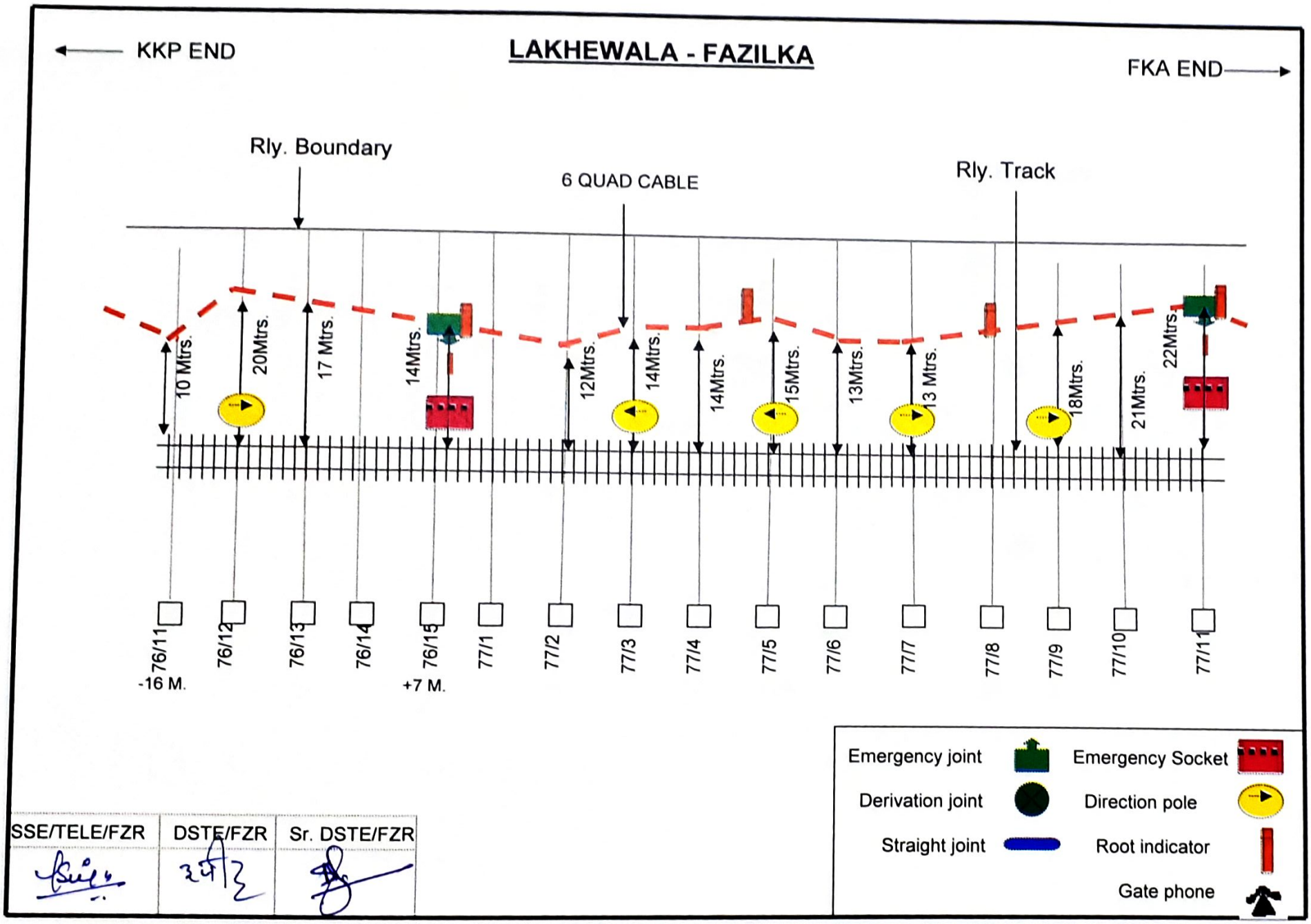
Emergency Socket

Direction pole

Root indicator

Gate phone

LAKHEWALA - FAZILKA

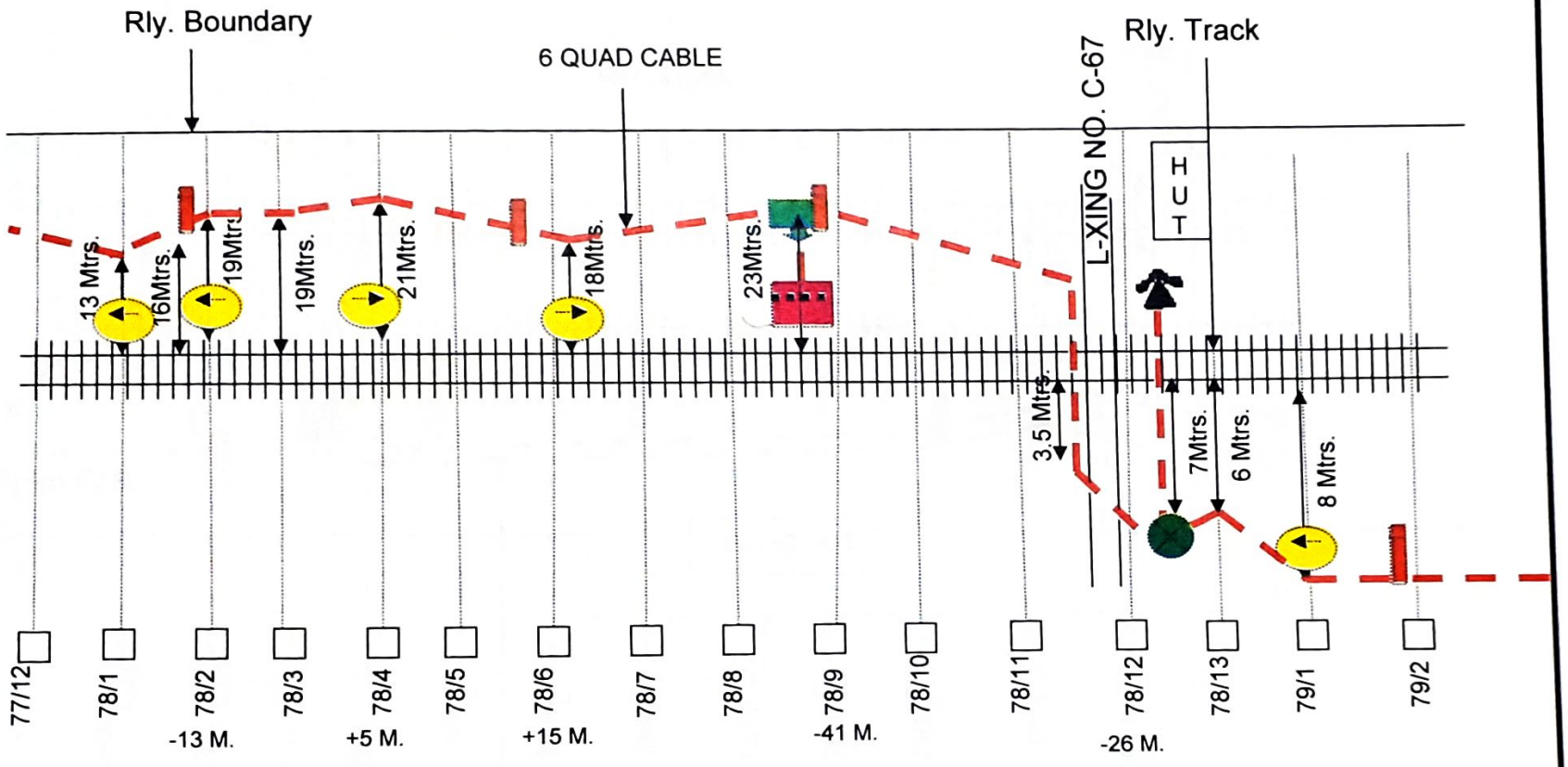


SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR

LAKHEWALA - FAZILKA

← KKP END

FKA END →



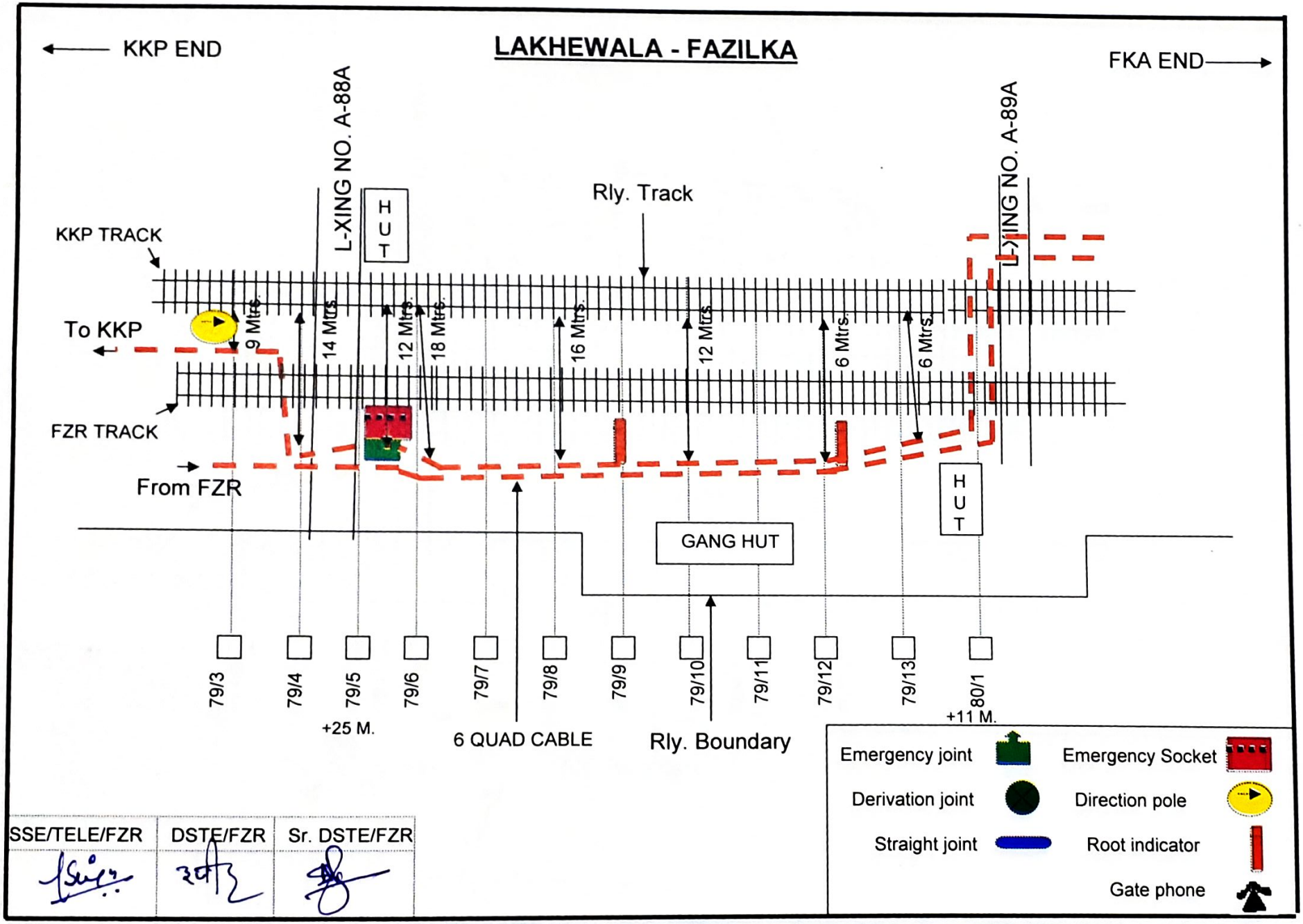
Emergency joint — Emergency Socket

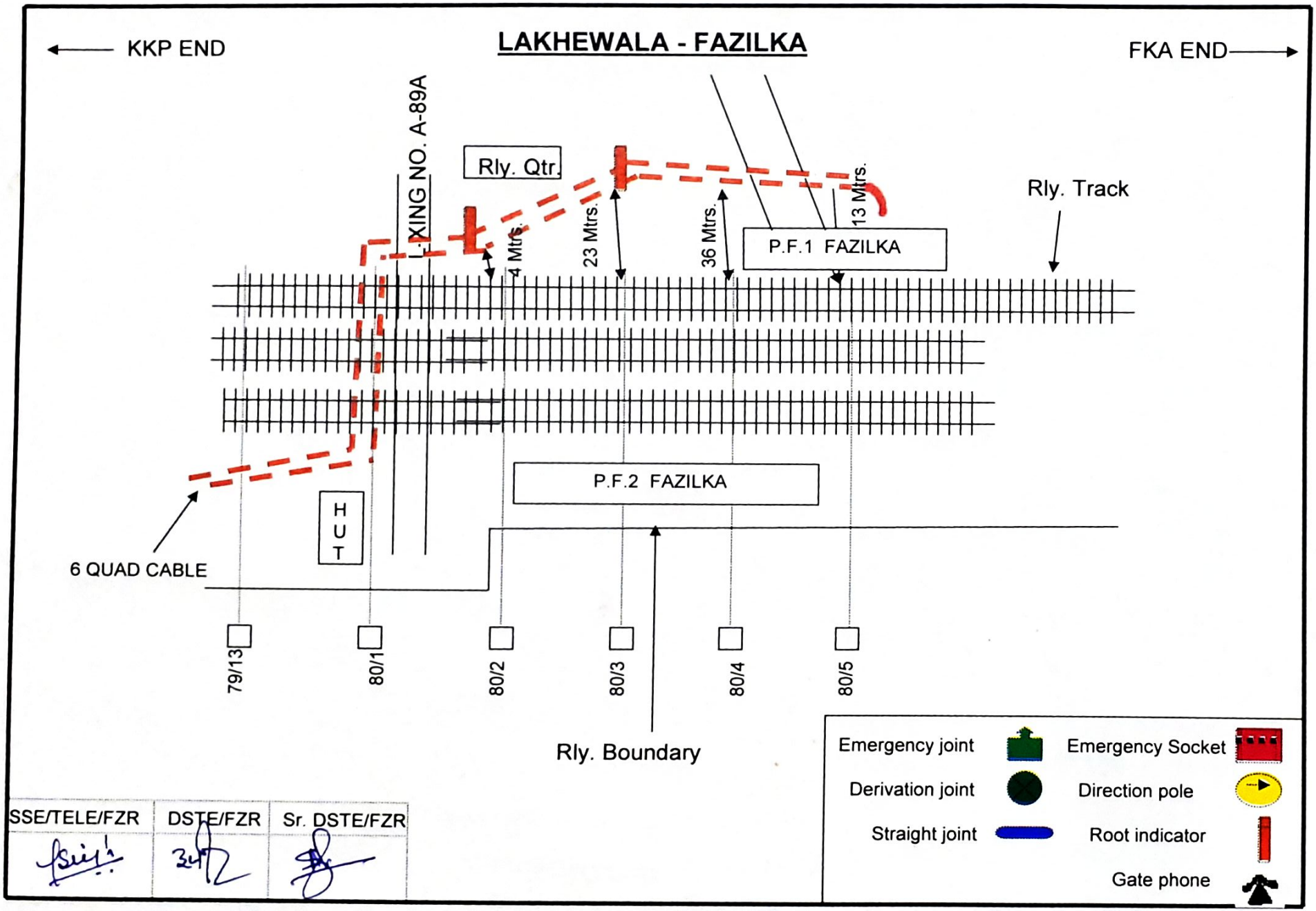
Derivation joint — Direction pole

Straight joint — Root indicator

Gate phone

SSE/TELE/FZR	DSTE/FZR	Sr. DSTE/FZR


LAKHEWALA - FAZILKA
KKP END
FKA END
L-XING NO. A-88A
L-XING NO. A-89A
H U T
Rly. Track
KKP TRACK
To KKP
FZR TRACK
From FZR
9 Mtrs.
14 Mtrs.
12 Mtrs.
18 Mtrs.
16 Mtrs.
12 Mtrs.
6 Mtrs.
6 Mtrs.
GANG HUT
79/3
79/4
79/5
79/6
79/7
79/8
79/9
79/10
79/11
79/12
79/13
80/1
+25 M.
+11 M.
6 QUAD CABLE
Rly. Boundary
Emergency joint
Emergency Socket
Derivation joint
Direction pole
Straight joint
Root indicator
Gate phone
SSE/TELE/FZR
DSTE/FZR
Sr. DSTE/FZR


KKP END
LAKHEWALA - FAZILKA
FKA END
L. XING NO. A-89A
Rly. Qtr.
4 Mtrs.
23 Mtrs.
36 Mtrs.
13 Mtrs.
Rly. Track
P.F.1 FAZILKA
P.F.2 FAZILKA
H U T
6 QUAD CABLE
79/13
80/1
80/2
80/3
80/4
80/5
Rly. Boundary
Emergency joint
Emergency Socket
Derivation joint
Direction pole
Straight joint
Root indicator
Gate phone
SSE/TELE/FZR
DSTE/FZR
Sr. DSTE/FZR