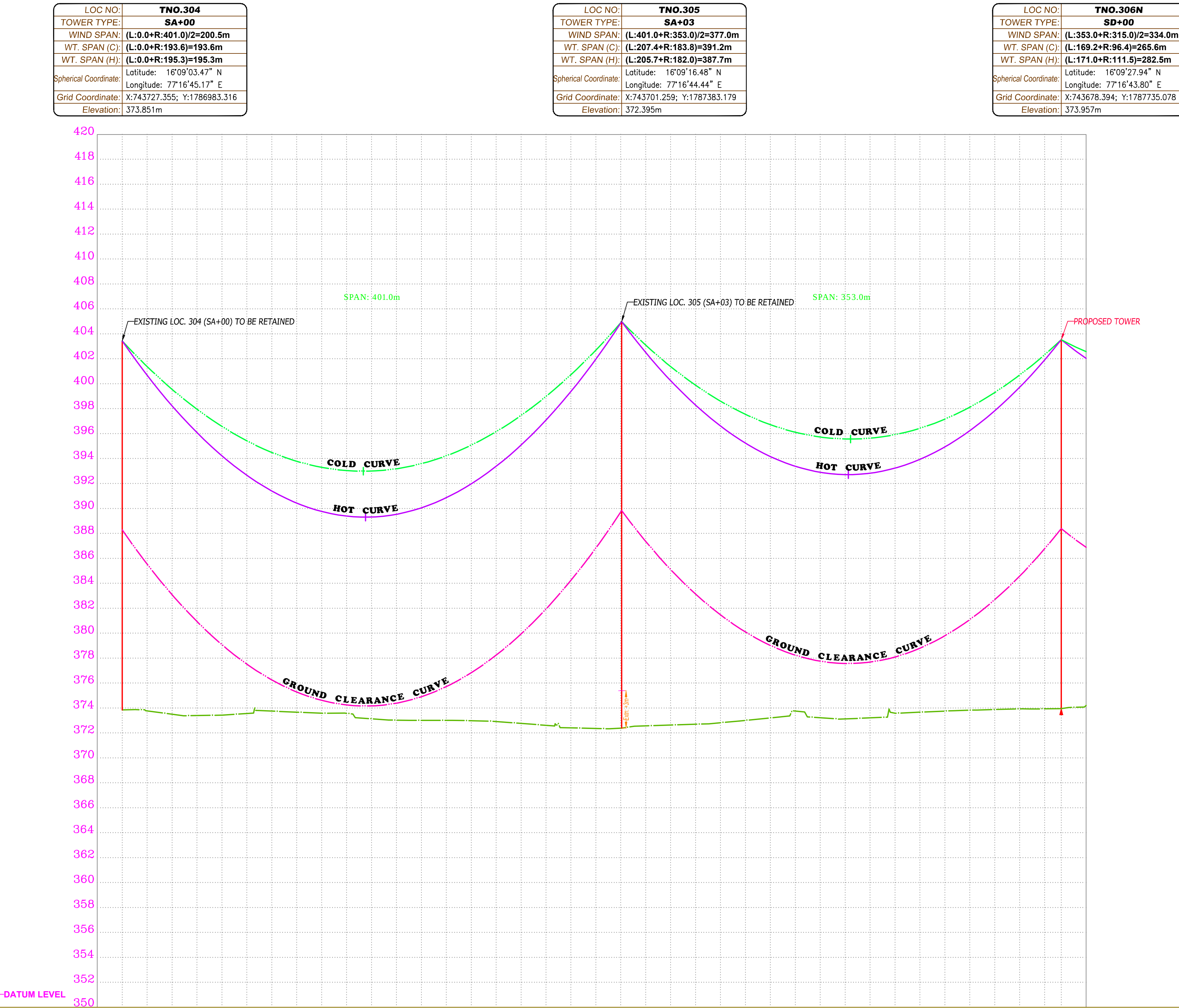
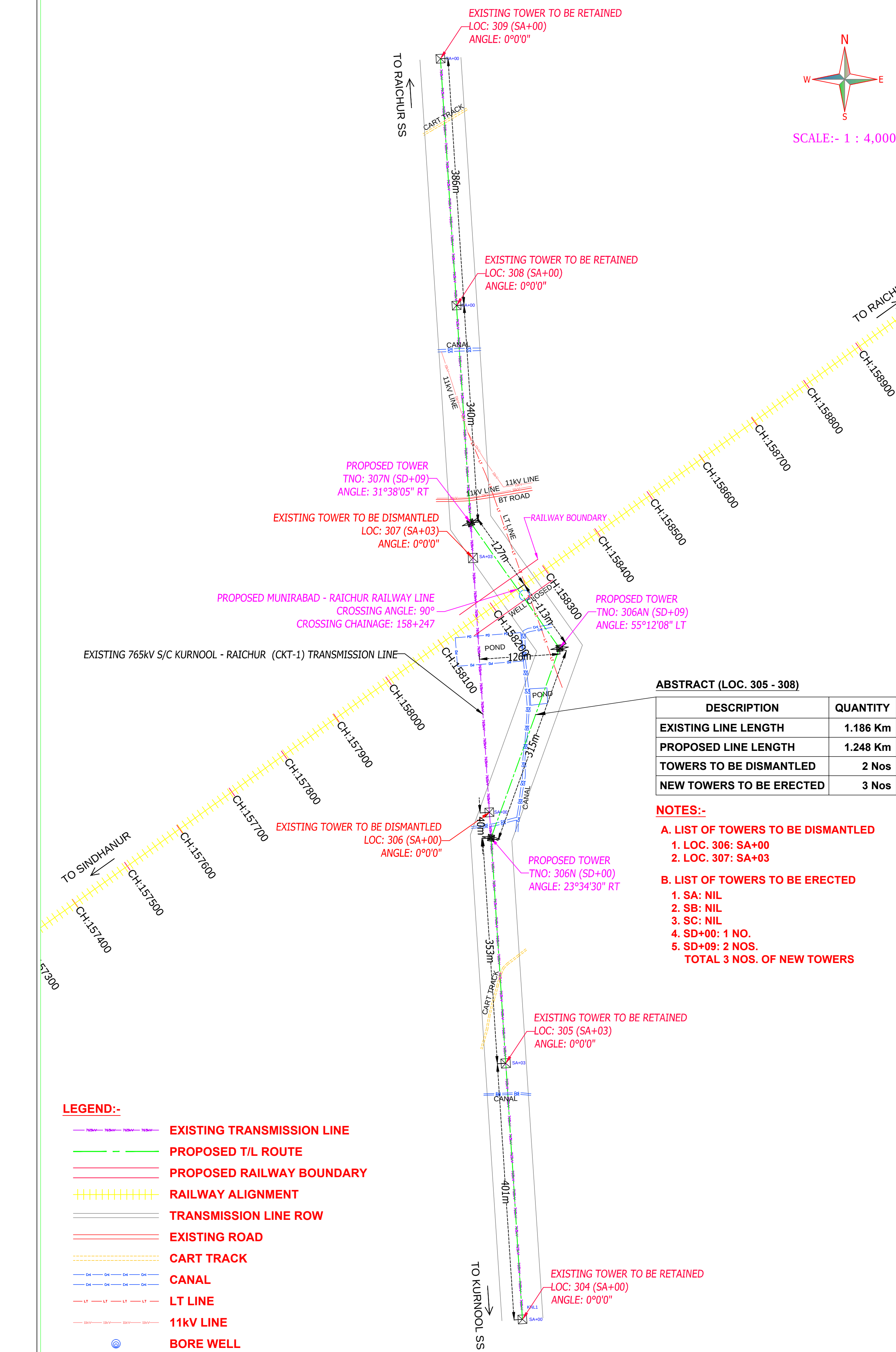
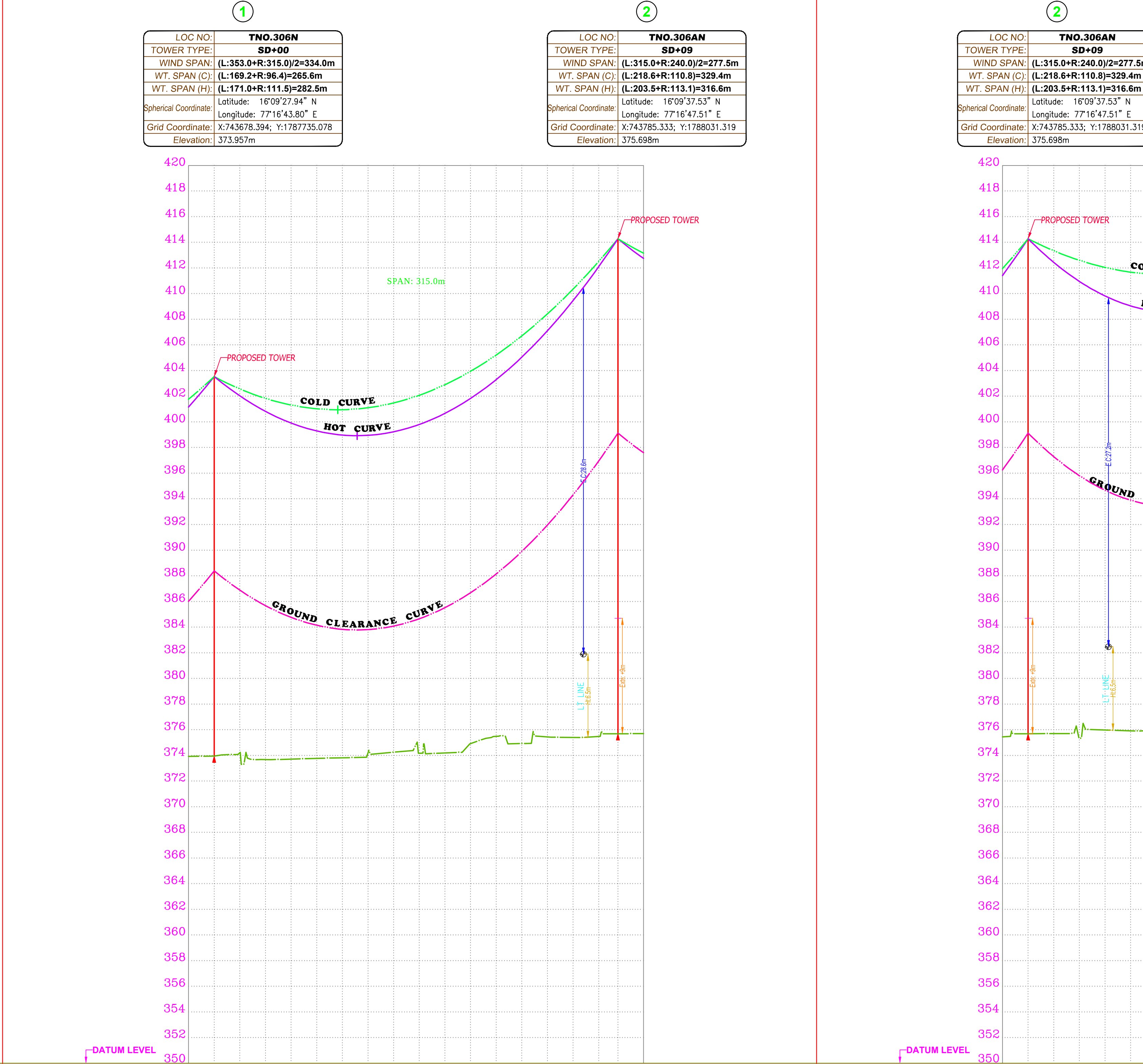
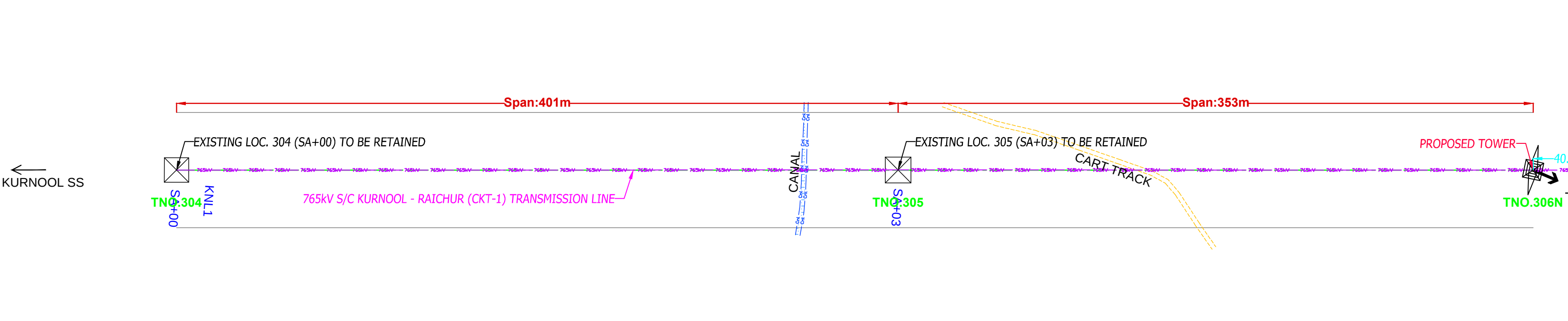


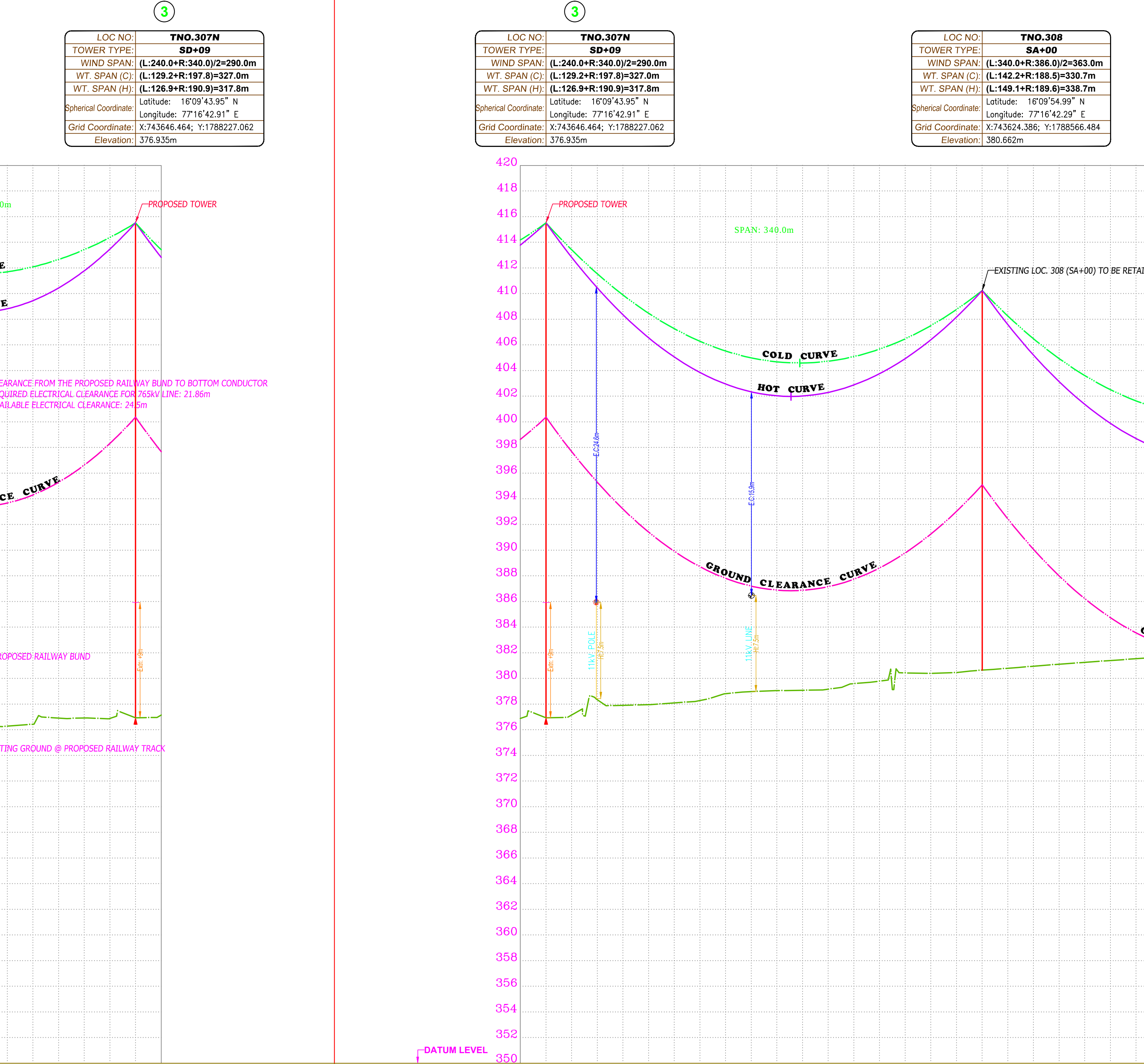
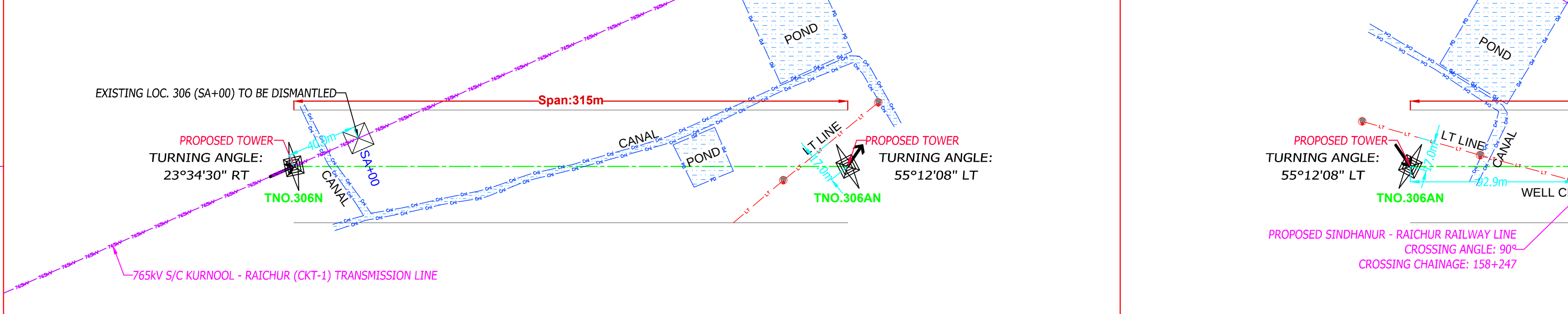
ROUTE MAP SHOWING THE PROPOSED DIVERSION OF THE EXISTING 765KV S/C KURNOL - RAICHUR (OXT-I) TRANSMISSION LINE BETWEEN LOC 305 & 308 DUE TO THE CONSTRUCTION OF THE PROPOSED MUNIRABAD - RAICHUR RAILWAY LINE (SWR)



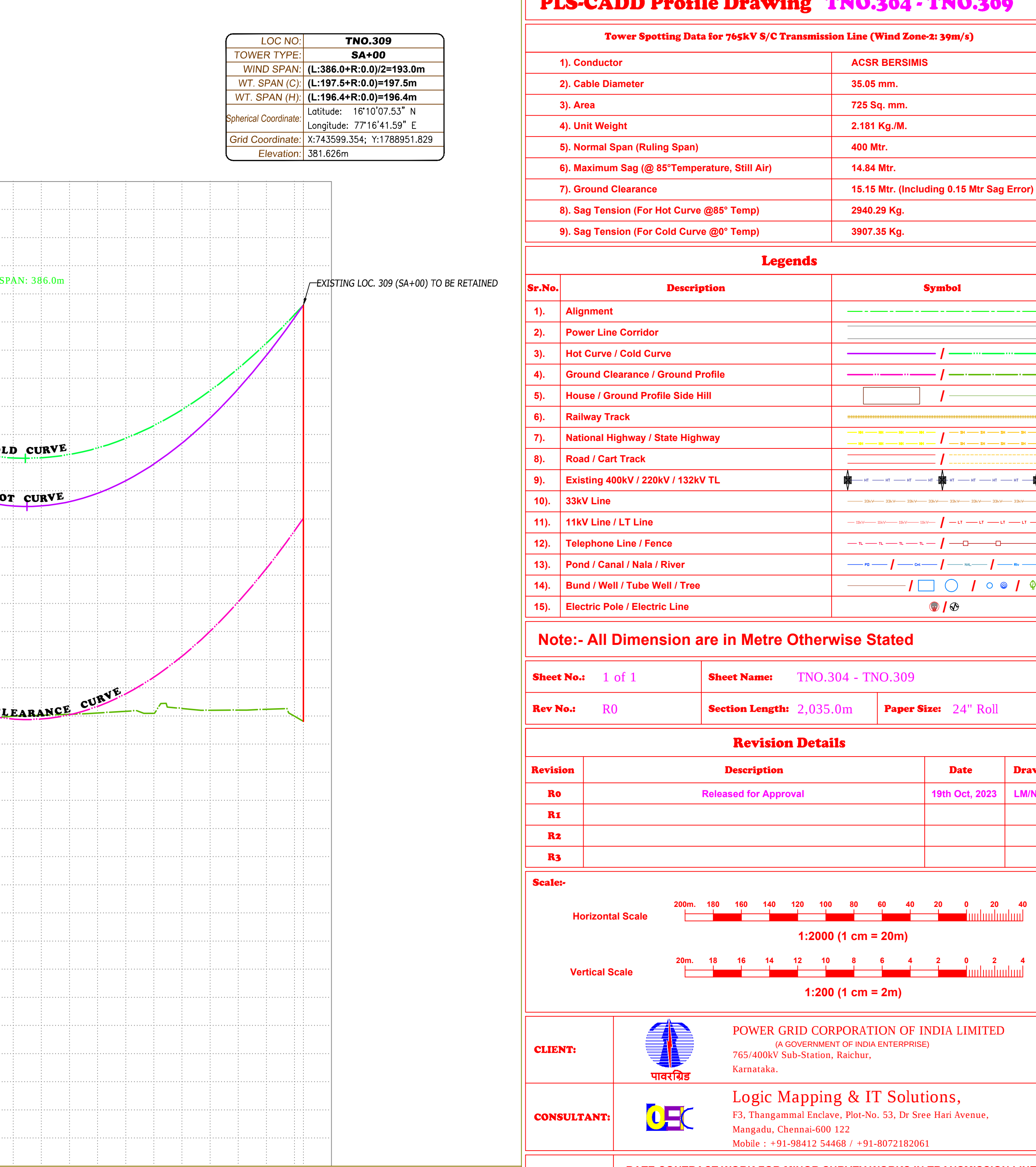
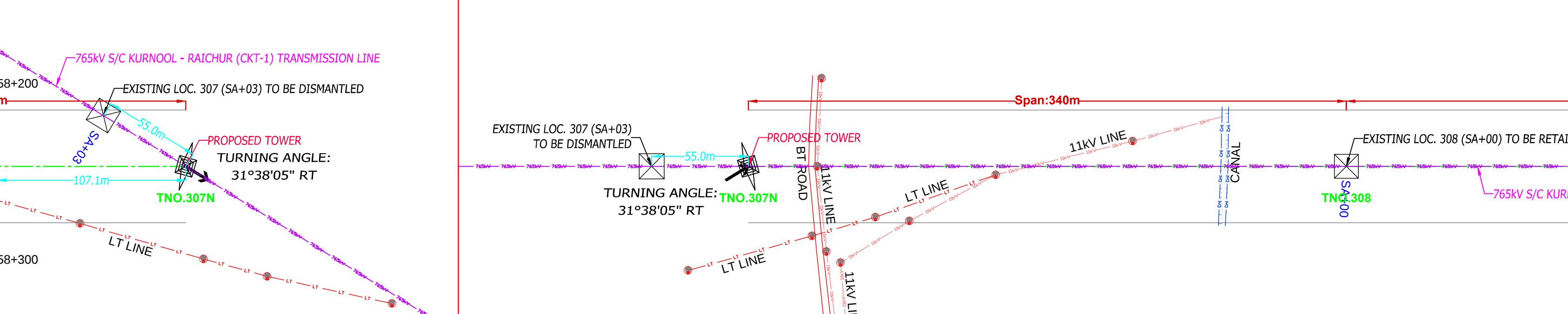
DESCRIPTION	QUANTITY
EXISTING LINE LENGTH	1.186 Km
PROPOSED LINE LENGTH	1.248 Km
TOWERS TO BE DISMANTLED	2 Nos
NEW TOWERS TO BE ERECTED	3 Nos



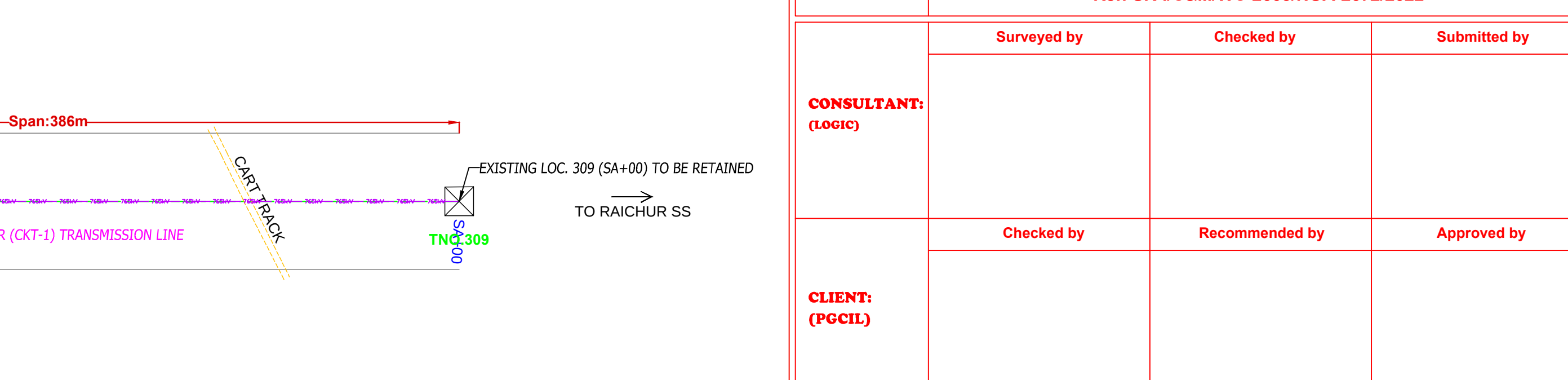
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TOWERS TO BE DISMANTLED	2 Nos
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PLS-CADD Profile Drawing TNO.304 - TNO.309

Tower Spotting Data for 765KV S/C Transmission Line (Wind Zone-2 39m/s)

1). Conductor	ACSR BERSHIMS
2). Cable Diameter	35.05 mm.
3). Area	725 Sq. mm.
4). Unit Weight	2.181 Kg./M.
5). Normal Span (Rolling Span)	400 Mtr.
6). Maximum Sag (@ 85° Temperature, Still Air)	14.84 Mtr.
7). Ground Clearance	15.15 Mtr. (Including 0.15 Mtr Sag Error)
8). Sag Tension (For Hot Curve @85° Temp)	2940.29 Kg.
9). Sag Tension (For Cold Curve @8° Temp)	3907.35 Kg.

Legends

Sl.No.	Description	Symbol
1).	Alignment	
2).	Power Line Corridor	
3).	Hot Curve / Cold Curve	
4).	Ground Clearance / Ground Profile	
5).	House / Ground Profile Side Hill	
6).	Railway Track	
7).	National Highway / State Highway	
8).	Road / Cart Track	
9).	Existing 400KV / 220KV / 132KV TL	
10).	33KV Line	
11).	11kV Line / LT Line	
12).	Telephone Line / Fence	
13).	Pond / Canal / Nala / River	
14).	Bund / Wall / Tube Well / Tree	
15).	Electric Pole / Electric Line	

Note:- All Dimension are in Metre Otherwise Stated

Sheet No.: 1 of 1

Sheet Name: TNO.304 - TNO.309

Rev No.: R0

Section Length: 2,035.0m

Paper Size: 24" Roll

Revision Details

Revision	Description	Date	Drawn
R0	Released for Approval	19th Oct. 2023	LMNP
R1			
R2			
R3			

Scale:-

Horizontal Scale

200m 150 100 50 0 0 50 100 150 200

1:2000 (1 cm = 20m)

Vertical Scale

20m 15 10 5 0 0 5 10 15 20

1:200 (1 cm = 2m)

CLIENT:

POWER GRID CORPORATION OF INDIA LIMITED
(a Government of India Enterprise)
765/400KV Sub-Station, Raichur,
Karnataka.

CONSULTANT:

Logic Mapping & IT Solutions,
F3, Thangammal Enclave, Plot-No. 53, Dr Seer Hari Avenue,
Mangalore, Chennai-600 122
Mobile : +91-98412 54608 / +91-8072182061

PROJECT TITLE:

RATE CONTRACT WORK FOR MINOR SURVEY WORKS IN TRANSMISSION LINE DIVERSIONS IN SR-I AGAINST SPECIFICATION NO.: SR-IC&MWC-2603/2021/Rfs-5005006682

DRAWING TITLE:

ROUTE ALIGNMENT AND DETAILED SURVEY FOR THE PROPOSED DIVERSION OF THE EXISTING 765KV S/C KURNOL - RAICHUR (OXT-I) TL DUE TO THE CONSTRUCTION OF THE NATIONAL HIGHWAY-167 UNDER BHARATMALA PARIYOJANA (EC-20)

REF No:

Ref: SR-IC&MWC-2603/NOA-2672/2022

CONSULTANT: (06002)

Surveyed by	Checked by	Submitted by

Checked by	Recommended by	Approved by

CLIENT: (06001)