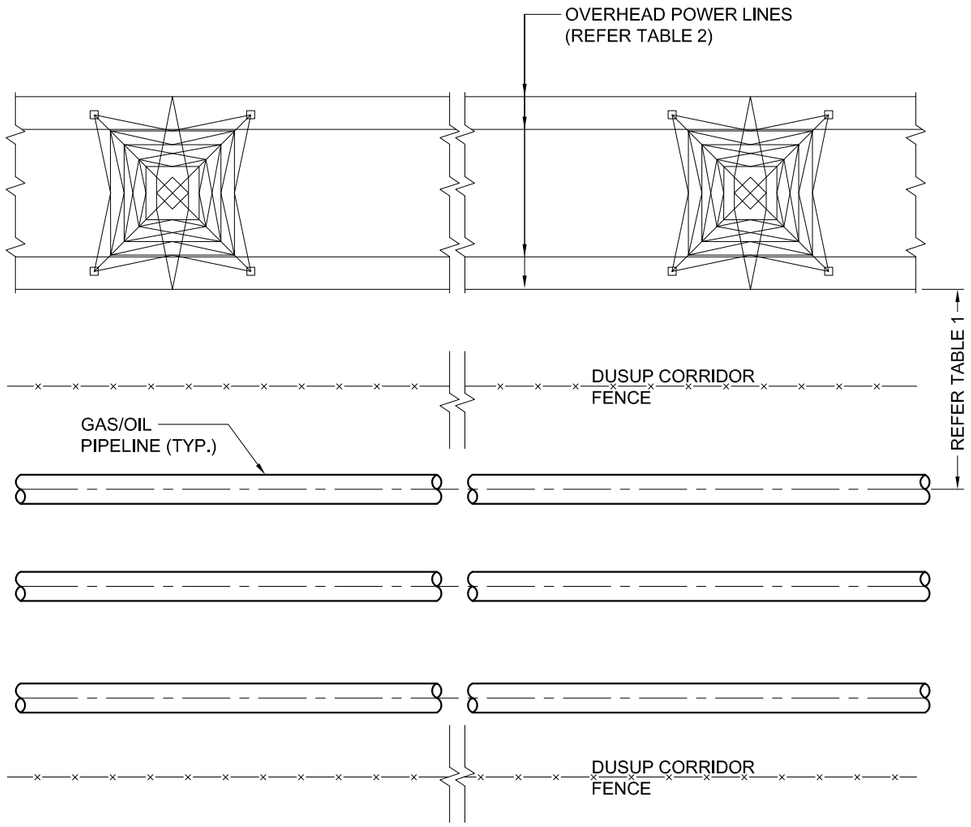
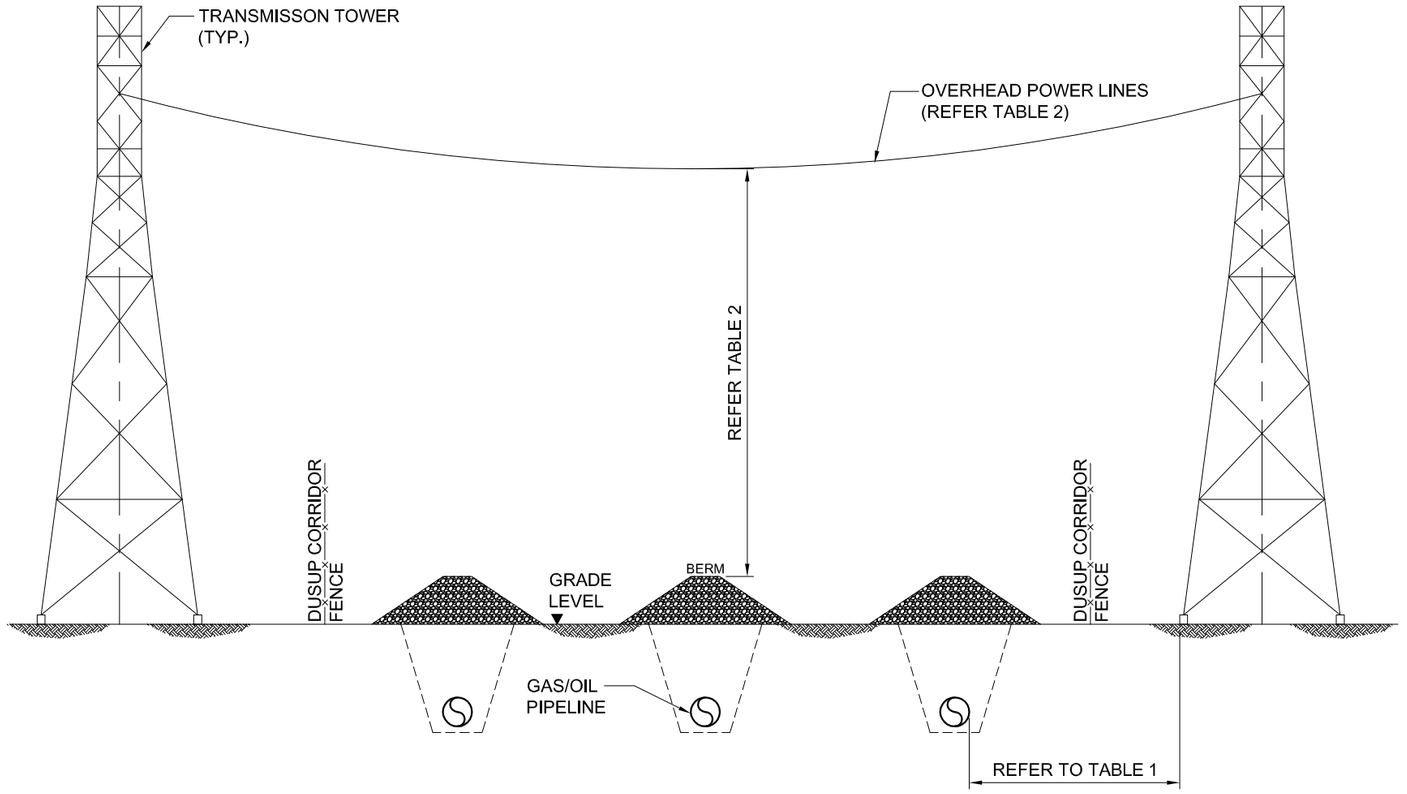
PIPELINE PARALLEL TO HV O/H POWER TRANSMISSION LINE



PLAN VIEW

TABLE 1 (NOTE 2)	
SYSTEM VOLTAGE (KV)	MIN. DISTANCE (M)
6.6/11/33	10.00
132/400	25M FOR 150MM DIA 50M FOR 180 - 450 MM DIA 100M FOR >450 MM DIA

PIPELINE CROSSING TO HV O/H POWER TRANSMISSION LINE



SECTIONAL VIEW

TABLE 2: DEWA RECOMMENDATIONS (NOTE 2, 3 & 4)	
SYSTEM VOLTAGE (KV)	MIN. HEIGHT (M)
6.6/11	8.50
33	9.00
132	9.75
400	13.50

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. THE MINIMUM CLEARANCES PROVIDED IN THE DRAWINGS ARE AS PER DEWA REQUIREMENTS. HOWEVER, APPROVED DISTANCES SHALL BE CONFIRMED AFTER INTERFERENCE STUDY ONLY, AS PER NOTE 7.
3. WHERE THE PIPELINE IS ABOVE GRADE, THE MINIMUM HEIGHT REQUIREMENTS SHALL BE MEASURED FROM THE TOP OF BERM.
4. GROUND CLEARANCE SHALL BE CHECKED DURING MAXIMUM TEMPERATURE IN STILL AIR.
5. DETAILED CP CALCULATIONS SHALL BE CARRIED FOR EACH CROSSING FOR ADOPTING MITIGATION MEASURES REQUIRED FOR PROTECTING THE PIPELINE AND TO PREVENT INTERFERENCE WITH PIPELINE CP SYSTEM. CALCULATIONS AND PROPOSED MITIGATIONS SHALL BE APPROVED BY THE COMPANY.
6. HIGH VOLTAGE TERMINAL BOX (CP MONITORING TEST POST) SHALL BE PROVIDED AT EACH CROSSING.
7. AN INTERFERENCE STUDY OF THE OVERHEAD LINE CABLES ON EXISTING PIPELINE(S) MUST BE CONDUCTED BY THE INITIATING PARTY TO DETERMINE THE POSSIBLE IMPACT ON THE EXISTING HYDROCARBON PIPELINES. THE INTERFERENCE STUDY SHALL BE CARRIED OUT FOR BOTH PARALLEL AND CROSSING INSTALLATIONS USING A DUSUP APPROVED SPECIALIST CONTRACTOR. APPROVED MITIGATION MEASURE SHALL BE IMPLEMENTED BY INITIATING PARTY.
8. THE CONTRACTOR SHALL PREPARE SEPARATE JOB SPECIFIC SHOP DRAWING USING THIS STANDARD DETAILS FOR DUSUP APPROVAL.

INFORMATION CLASSIFICATION: **OPEN**

Rev.	Date	Revision Description	Drawn	Checked	Approved
1	03.02.2025				
0	21.01.2022				

Dubai Supply Authority

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STANDARD DRAWING
MINIMUM SEPARATION FOR OVERHEAD LINES
(PARALLEL AND CROSSING)