Key Plan
Scale 1:2500

Note:
Refer to ESB Documentation and letter for agreement in principal to underground 38kv line

Type "F" Lattice steel mast Structure.

Base buried depth 2.3m. in concrete.

Maximum conductor height overground 9, 12 or 15m.

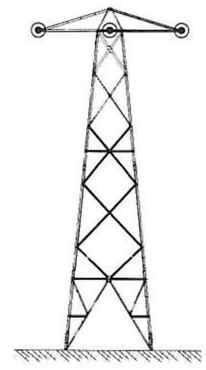
Corresponding base footprint 2.4, 2.8, or 3.2m.

Mast apex can be up to 1m over conductor height depending on manufacture.

4m crossarm with horizontal Insulator chain holding conductors 2m apart

Bracing shown may change depending on manufacture.

Can be used as an End mast to terminate a line, or used as an Angle mast to allow up to a 60deg. deviation in the line.



FOR SCALED 1:100 DRAWINGS.

Type "E" Three-Pole Structure

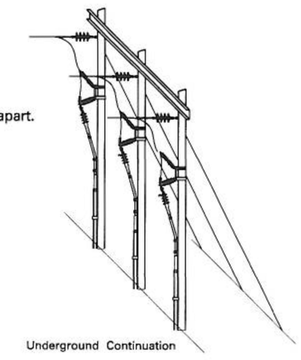
Three wood poles, 2m apart with a 4m steel crossarm holding conductors horizontally 2m apart.

Insulator chain is horizontal.

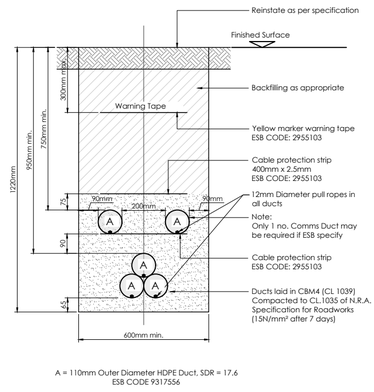
Pole lengths from 12m to 16m incl. buried depth 2.3m.

Maximum conductor height overground 13.4m

Three staywires, (one on each pole) extend from pole tops at 45deg.



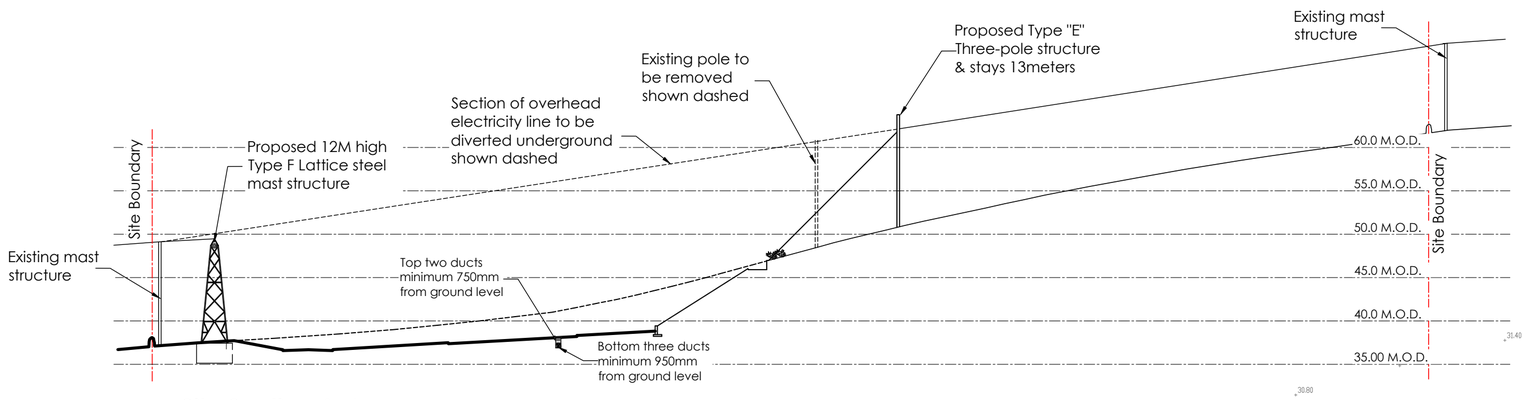
Underground Continuation



A = 110mm Outer Diameter HDPE Duct, SDR = 17.6
ESB CODE 9317556

38kV Single Circuit Trench Cross Section4 duct way
Scale 1:20

Proposed Mast Structures
Scale 1:125



Site Section A-A
Scale 1:500

Site Layout
Scale 1:500

DOSA
DENIS O'SULLIVAN & ASSOCIATES
CONSULTING ENGINEERS
Joyce House
Barrack Square
Ballincollig
Co Cork
P31 KP84
021 4871781
info@dosa.ie
www.dosa.ie

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
F	SB	SO'G	LO'T	23.04.21	SHD Application

CLIENT: Ardstone Homes

PROJECT: Residential Development @ Ardarostig, Bishopstown, Cork

DRAWING TITLE: Proposed 38kv Line Diversion

SHEET: A1

SCALE: 1:500; 1:125

PROJECT NO.	DRAWING NO.	STATUS/ISSUE
5181	0445	F