

Services corridor
Refer to engineer's drawings

Drainage and sewage services
Refer to engineer's drawings

drawing status: Planning

project:
The Old Power Station
Vestern Road

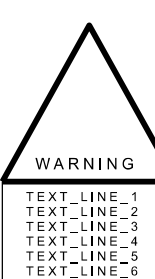
job number:
LP2333
drawing title:
Tree Pit Soil Volume Requirements
Whole Site

drawing number:
O453-FIR10-XX-XX-DR-L-810-0002

revision state date
P04 1:200 @ A0 10.03.2025

for information
EO RS 10.03.2025

Tree Tags	Proposed Tree Species	GreenBlue Urban Tree Size Category	25-Year Mature Canopy Diameter (m)	50-Year Mature Canopy Diameter (m)	50-Year Projected Mature Canopy Area (m2)	Target Volume (m3)	Target Volume with 20% Reduction (m3)	Provided Volume (m3)	Percentage Volume Achieved (m3)	Structural Soil Required	Percentage Volume Achieved (with crates / structural soil)
Proposed Tree Species (for group and individual calculations, see below)											
-	Acer campestre (Multistem)	Large	7	8	50	21	-	-	-	-	-
-	Acer platanoides 'Columnare'	Large	2.5	4	13	7.5	-	-	-	-	-
-	Betula pendula	Medium	5	9	63	17	-	-	-	-	-
-	Carpinus betulus 'Fastigiata'	Medium	3	10	79	17	-	-	-	-	-
-	Carpinus betulus 'Lucas'	Medium	2.5	3	7	4.2	-	-	-	-	-
-	Carpinus betulus 'Streetwise'	Medium	3	6	28	17	-	-	-	-	-
-	Ginkgo biloba	Medium	5	8	50	14	-	-	-	-	-
-	Gleditsia triacanthos 'Skyline'	Medium	5	7	38	17	-	-	-	-	-
-	Liquidambar styraciflua 'Worpleston'	Medium	5	12	113	14	-	-	-	-	-
-	Liriodendron tulipifera	Large	6	9	63	14	-	-	-	-	-
-	Platanus x hispanica	Large	6	12	113	21	-	-	-	-	-
-	Prunus sargentii 'Rancho'	Small	2.5	3	7	4.2	-	-	-	-	-
-	Quercus robur	Large	7	12	113	35	-	-	-	-	-
-	Sorbus aucuparia 'Asplenifolia'	Medium	4	7	38	17	-	-	-	-	-
-	Tilia cordata 'Corzani'	Medium	4	5	20	11.8	-	-	-	-	-
-	Tilia cordata 'Greenspire'	Medium / Large	6	7	38	21	-	-	-	-	-
-	Ulmus 'New Horizon'	Medium / Large	4	10	79	25	-	-	-	-	-
Groups of Trees (allowing for a 20% reduction in rooting volume for grouped trees)											
TG1	2 x Cb 'P', 1 x Tc 'G'	-	-	-	-	55	44	49.7	113%	-	-
TG2	1 x Cb, 1 x Q	-	-	-	-	52	41.6	52	97%	-	-
TG3	3 x Cb 'P'	-	-	-	-	51	40.8	65.1	209%	-	-
TG4	2 x Bp	-	-	-	-	34	27.2	41.2	152%	-	-
TG5	2 x Cb 'P', 2 x Ps 'R'	-	-	-	-	42.4	33.9	46.9	138%	-	-
TG6	3 x Cb 'S'	-	-	-	-	51	40.8	38	93%	-	-
TG7	2 x Cb 'L', 1 x L	-	-	-	-	8.4	6.7	17	254%	-	-
TG8	2 x Cb 'L', 1 x L	-	-	-	-	22.4	17.9	23.3	130%	-	-
TG9	5 x Sa 'A', 1 x Tc 'G', 1 x Ls 'W'	-	-	-	-	120	96	156.3	163%	-	-
TG10	2 x Q 'S'	-	-	-	-	34	27.2	17.9	66%	4.1	81%
TG11	2 x Ls 'W'	-	-	-	-	28	22.4	12.1	54%	9.6	97%
TG12	2 x Q 'S'	-	-	-	-	24	27.2	11.9	44%	16.2	100%
TG13	2 x Ls 'W'	-	-	-	-	28	22.4	20.5	92%	-	-
TG14	2 x Tc 'C', 1 x Cb 'S', 1 x Ap 'C'	-	-	-	-	48.1	38.5	33.2	86%	14.6	124%
TG15	3 x Tc 'C'	-	-	-	-	35.4	28.3	26.8	95%	9.6	129%
TG16	1 x Q 'S', 1 x Ph	-	-	-	-	38	30.4	19	63%	22	135%
TG17	3 x U 'NH'	-	-	-	-	75	60	62.9	105%	-	-
Individual Trees											
T1	Tilia cordata 'Greenspire'	Medium / Large	7	38	21	-	32	152%	-	-	-
T2	Carpinus betulus 'Lucas'	Medium	3	7	4.2	-	16.7	398%	-	-	-
T3	Tilia cordata 'Greenspire'	Medium / Large	7	38	21	-	21.1	100%	-	-	-
T4	Carpinus betulus 'Fastigiata'	Medium	10	79	17	-	2.6	15%	-	80%	Structural soil required
T5	Gleditsia triacanthos 'Skyline'	Medium	7	38	17	-	19	112%	-	-	-
T6	Liquidambar styraciflua 'Worpleston'	Medium	12	113	14	-	4.5	32%	8	89%	Structural soil required
T7	Platanus x hispanica	Large	12	113	21	-	22.3	89%	7.6	-	Structural soil required
T8	Platanus x hispanica	Large	12	113	21	-	7.9	38%	12.9	99%	Structural soil required
T9	Carpinus betulus 'Fastigiata'	Medium	10	79	17	-	6.9	41%	12.9	117%	Structural soil required



Significant hazards relative to the architectural design shown on this drawing have been assessed and highlighted with reasonable 'call out' and using a warning triangle system.
This drawing is to be read in conjunction with all other hazard notices which have been identified and recorded within construction phase RAS plan.
It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an approved method statement.
Significant hazards are defined as :-
• Those not likely to be obvious to a competent contractor at other
• Design or structural nature
• Those likely to be difficult to manage effectively.