

File Name

Floriade\_TUD\_CityGML\_Vegetation

Subject	1201 Architecture																																													
	0907 Environmental Engineering																																													
Creator(s)	Giorgio Agugiario																																													
Date Created	2019																																													
Format	CityGML																																													
Class Type	Vegetation																																													
Content	<p>Features: 2925 trees (Solitary Vegetation Objects)</p> <p>LODs: Reference point (LOD1-3), LOD1 implicit geometry, LOD2 implicit geometry, LOD3 implicit geometry</p> <p>Attributes:</p> <ul style="list-style-type: none"><li>• “Species”(https://www.sig3d.org/codelists/citygml/2.0/vegetation/2.0/SolitaryVegetationObject_species.xml)</li></ul> <p>Species of trees planned to be placed in the Arboretum</p> <table><tr><th>Values</th></tr><tr><td>'Fagus sylvatica Verzy'</td></tr><tr><td>'Prunus pendula'</td></tr><tr><td>'Magnolia Milky Way'</td></tr><tr><td>'Aronia arbutifolia'</td></tr><tr><td>'Prunus serrulata'</td></tr><tr><td>'Crataegus monogyna'</td></tr><tr><td>'Alnus cordinca'</td></tr><tr><td>'Cornus'</td></tr><tr><td>'Acer cappadocicum'</td></tr><tr><td>'Salix pentandra'</td></tr><tr><td>'Celtis occidentalis'</td></tr><tr><td>'Hamamelis intermedia'</td></tr><tr><td>'Magnolia'Galaxy"</td></tr><tr><td>'Quercus castaneifolia'</td></tr><tr><td>'Fagus sylvatica Rotundifolia"</td></tr><tr><td>'Corylus maxima'</td></tr><tr><td>'Diospyros kaki'</td></tr><tr><td>'Eik'</td></tr><tr><td>'Quercus robur'</td></tr><tr><td>'Eriolobus Malus( trilobata)'</td></tr><tr><td>'Vlier'</td></tr><tr><td>'Fagus sylvatica Tortuosa Purpurea'</td></tr><tr><td>'Sorbus aucuparia'</td></tr><tr><td>'Prunus yedoensis'</td></tr><tr><td>'Malus toringo'</td></tr><tr><td>'Clerodendrum trichotomum'</td></tr><tr><td>'Eucommia ulmoides'</td></tr><tr><td>'Koelreuteria paniculata'</td></tr><tr><td>'Hazelaar'</td></tr><tr><td>'Acer campestre'</td></tr><tr><td>'Prunus subhirtella'</td></tr><tr><td>'Buddleja alternifolia'</td></tr><tr><td>'Malus Prof. Sprenger'</td></tr><tr><td>'Prunus sargentii'</td></tr><tr><td>'Deutzia hybrida'</td></tr><tr><td>'Populus tremuloides'</td></tr><tr><td>'Acer platanoides'</td></tr><tr><td>'Malus baccata'</td></tr><tr><td>'Acer truncatum'</td></tr><tr><td>'Kers'</td></tr><tr><td>'Aesculus indica'</td></tr><tr><td>'Larix decidua'</td></tr><tr><td>'Cornus florida'</td></tr><tr><td>'Fagus orientalis'</td></tr></table>	Values	'Fagus sylvatica Verzy'	'Prunus pendula'	'Magnolia Milky Way'	'Aronia arbutifolia'	'Prunus serrulata'	'Crataegus monogyna'	'Alnus cordinca'	'Cornus'	'Acer cappadocicum'	'Salix pentandra'	'Celtis occidentalis'	'Hamamelis intermedia'	'Magnolia'Galaxy"	'Quercus castaneifolia'	'Fagus sylvatica Rotundifolia"	'Corylus maxima'	'Diospyros kaki'	'Eik'	'Quercus robur'	'Eriolobus Malus( trilobata)'	'Vlier'	'Fagus sylvatica Tortuosa Purpurea'	'Sorbus aucuparia'	'Prunus yedoensis'	'Malus toringo'	'Clerodendrum trichotomum'	'Eucommia ulmoides'	'Koelreuteria paniculata'	'Hazelaar'	'Acer campestre'	'Prunus subhirtella'	'Buddleja alternifolia'	'Malus Prof. Sprenger'	'Prunus sargentii'	'Deutzia hybrida'	'Populus tremuloides'	'Acer platanoides'	'Malus baccata'	'Acer truncatum'	'Kers'	'Aesculus indica'	'Larix decidua'	'Cornus florida'	'Fagus orientalis'
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'Esdoorn'  
 'Robinia pseudoacacia'  
 'Ostrya japonica'  
 'Aronia prunifolia'  
 'Ilex altacelerensis'  
 'Malus trilobata'  
 'Populier'  
 'Acer pseudoplatanus'  
 'Acer platanoides'  
 'Naald'  
 'Pyrus calleryana'  
 'Betula albosinensis'  
 'Crataegus lavalleei (x)'  
 'Populus nigra'  
 'Malus hupehensis'  
 'Quercus frainetto'  
 'Pyrus salicifolia'  
 'Crataegus laevigata'  
 'Juglans regia'  
 'Malus floribunda'  
 'Unknown'  
 'Deutzia crenata'  
 'Styphnolobium japonicum'  
 'Hippophae rhamnoides'  
 'Toona sinensis'  
 'Prunus eminens'  
 'Liquidambar styraciflua'  
 'Carpinus betulus'  
 'Camellia sasanqua'  
 'Aesculus parviflora'  
 'Quercus'Mauri"  
 'Larix kaempferi'  
 'Crataegus x grignonensis'  
 'Cupressocyparis leylandii'  
 'Robinia ambigua'  
 'Quercus palustris'  
 'Malus'Makamik"  
 'Betula Crimson Frost'  
 'Liriodendron tulipifera'  
 'Euonymus europaeus'  
 'Salix acutifolia'  
 'Quercus dentata'  
 'Populus tremula'  
 'Es'  
 'Acer cissifolium'  
 'Cornus alternifolia'  
 'Betula nigra'  
 'Sorbus intermedia'  
 'Quercus bimundorum'  
 'Haagbeuk'  
 'Populus xcanescens'  
 'Populus balsamifera'  
 'Linde'  
 'Amelanchier'Ballerina"  
 'Berk'  
 'Quercus trojana'  
 'Abies koreana'  
 'Robinia slavinii'  
 'Acer carpinifolium'  
 'Betula pubescens'  
 'Laburnum watereri'  
 'Prunus'  
 'Elaeagnus commutata'  
 'Tsuga heterophylla'  
 'Cotinus coggygria'  
 'Salix babylonica'  
 'Juniperus communis??'  
 'Prunus'Mieke"  
 'Lagerstroemia'  
 'Cornus mas'  
 'Quercus texana'  
 'Syringa reticulata'  
 'Abies nordmanniana'  
 'Tsuga canadensis'  
 'Populus lasiocarpa'

'Betula utilis'  
'Pyrus nivalis'  
'Pterostyrax hispida'  
'Quercus pubescens'  
'Betula albosinensis'  
'Quercus imbricaria'  
'Sorbus aria'  
'Tetradium daniellii'  
'Deutzia elegantissima'  
'Quercus suber'  
'Prunus'Trailblazer"  
'Cotinus Grace"  
'Betula medwediewii'  
'Cornus kousa'  
'Ficus carica'  
'Aesculus pavia'  
'Prunus'Accolade"  
'Carya illinoensis'  
'Fagus sylvatica'  
'Cryptomeria japonica'  
'Populus alba'  
'Malus tschonoskii'  
'Hippophae salicifolia'  
'Pyrus communis'  
'Populus trichocarpa'  
'Prunus'Pandora"  
'Paulownia fortunei'  
'Prunus laurocerasus'  
'Cladrastis kentukea'  
'Cercidiphyllum japonicum'  
'Acer'Warrenred"  
'Crataegus media'  
'Styrax obassia'  
'Malus'Evereste"  
'Quercus hispanica'  
'Sorbus thuringiaca'  
'Hamamelis mollis'  
'Cornus hongkongensis'  
'Cornus amomum'  
'Firmiana simplex'  
'Acer saccharum'  
'lep'  
'Carpinus japonica'  
'Ostrya carpinifolia'  
'Gleditsia triacanthos'  
'Catalpa bignonioides'  
'Nyssa sylvatica'  
'Juniperus chinensis'  
'Euonymus planipes'  
'Prunus padus'  
'Fagus sylvatica Purple Fountain'  
'Heptacodium miconioides'  
'Parrotia persica'  
'Cornus asperifolia'  
'Populus wilsoniana'  
'Laburnum anagyroides'  
'Calocedrus decurrens'  
'Metasequoia glyptostroboides'  
'Crataegus lavalleyi (x)'  
'Celtis australis'  
'Aesculus arnoldiana'  
'Acer saccharinum'  
'Acer tataricum'  
'Elaeagnus umbellata'  
'Chamaecyparis nootkatensis'  
'Halesia monticola'  
'Camellia williamsii'  
'Populus berolinensis'  
'Chitalpa tashkentensis'  
'Liquidambar formosana'  
'Pterocarya stenoptera'  
'Catalpa erubescens'  
'Els'  
'Sorbus arnoldiana'  
'Kalopanax septemlobus'

'Albizia julibrissin'  
'Quercus coccinea'  
'Enkianthus campanulatus'  
'Liquidambar orientalis'  
'Beuk'  
'Magnolia'Wada's'  
'Trompetboom'  
'Meidoorn'  
'Quercus rysophylla'  
'Nyssa sinensis'  
'Cydonia oblonga'  
'Carya glabra'  
'Diospyros lotus'  
'Betula ermanii'  
'Magnolia'Susan"  
'Crataegus monogyna'  
'Idesia polycarpa'  
'Salix fragilis'  
'Salix sepulcralis'  
'Esidoorn'  
'Alnus incana'  
'Fraxinus sieboldiana'  
'Buddleja davidii'  
'Betula pendula'  
'Davidia involucrata'  
'Fraxinus chinensis'  
'Phellodendron amurense'  
'Quercus warei'  
'Malus Red Jade"  
'Ginkgo biloba'  
'Cornus alba'  
'Acer freemanii'  
'Crataegus persimilis'  
'Juglans ailantifolia'  
'Robinia viscosa'  
'Populus canadensis'  
'Betula alleghaniensis'  
'Gymnocladus dioica'  
'Malus'Directeur'  
'Quercus nigra'  
'Castanea sativa'  
'Prunus schmittii'  
'Crataegus pinnatifida'  
'Morus alba'  
'Alnus cordata'  
'Ailanthus altissima'  
'Nothofagus antarctica'  
'Robinia margaretta'  
'Quercus cerris'  
'Prunus incisa'  
'Corylus avellana'  
'Decaisnea fargesii'  
'Enkianthus perulatus'  
'Juniperus virginiana'  
'Prunus'Umineko"  
'Paulownia tomentosa'  
'Quercus petraea'  
'Prunus maackii'  
'Quercus phellos'  
'Euonymus hamiltonianus'  
'Pterocarya fraxinifolia'  
'Corylus columna'  
'Prunus gondouinii'  
'Magnolia brooklynensis'  
'Fagus sylvatica Spaethiana'  
'Betula'Penci-2"  
'Salix alba'  
'Populus canescens'  
'Cornus controversa'  
'Prunus avium'  
'Acer zoeschense'  
'Alnus glutinosa'  
'Buddleja weyeriana'  
'Amelanchier laevis'  
'Catalpa fargesii'

'Amelanchier lamarckii'  
 'Aesculus hippocastanum'  
 'Aesculus flava'  
 'Fraxinus mandshurica'  
 'Hamamelis virginiana'  
 'Populus simonii'  
 'Elaeagnus multiflora'  
 'Aesculus neglecta'  
 'Pyrus elaeagnifolia'  
 'Prunus'Kiku-shidare-zakura"  
 'Catalpa speciosa'  
 'Cornus officinalis'  
 'Hamamelis japonica'  
 'Sorbus torminalis'  
 'Acer negundo'  
 'Syringa pekinensis'  
 'Populus'Albelo"  
 'Quercus rubra'  
 'Styrax japonicus'  
 'Amelanchier arborea'  
 'Wilk'  
 'Malus Van Eseltine'  
 'Fagus sylvatica Purple Riversii'  
 'Paulownia elongata'  
 'Prunus pensylvanica'  
 'Cornus nuttallii'  
 'Magnolia grandiflora'

- “Height”

Classification of tree height in 8 classes (meter)

Values	Description
1	Range 0 - 1,00
3	Range 1,01 - 3,00
7.5	Range 3,01 - 7,50
10.5	Range 7,51 - 10,50
13.5	Range 10,51 - 13,50
16.5	Range 13,51 - 16.50
21	Range 16,51 - 21,00
24	Range 21,01 - 24,00

- “Trunk diameter” (meter)
- “Crown diameters” (meter)

*Language*  
*Spatial Coverage*

English  
 Floriade District, Almere

*Coverage*

SRID: 28992  
 lowerCorner: 143715.63 484980.45 -6.18  
 upperCorner: 144616.33 485888.76 19.55

*Lineage*

CAD plans of the tree locations with a link to a tree database  
 label were harmonized with FME