

Dominion Energy Locks Yard Dinwiddie Mobile Substation Storage Facility

Conceptual Design

May 4th, 2020

Project Description:

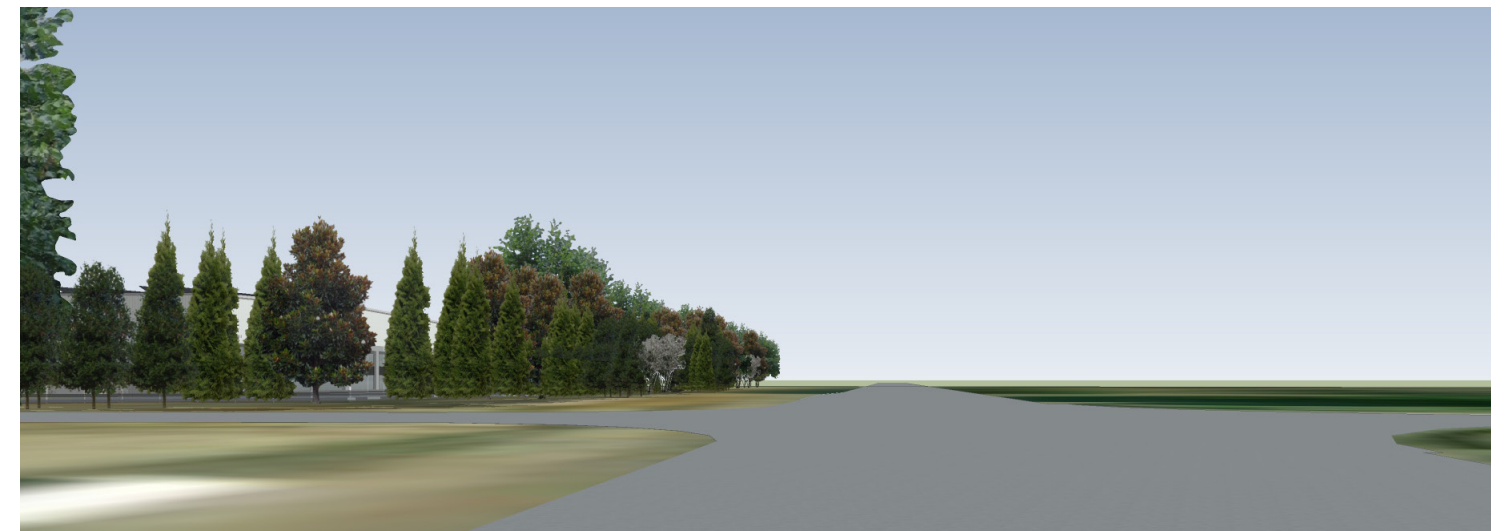
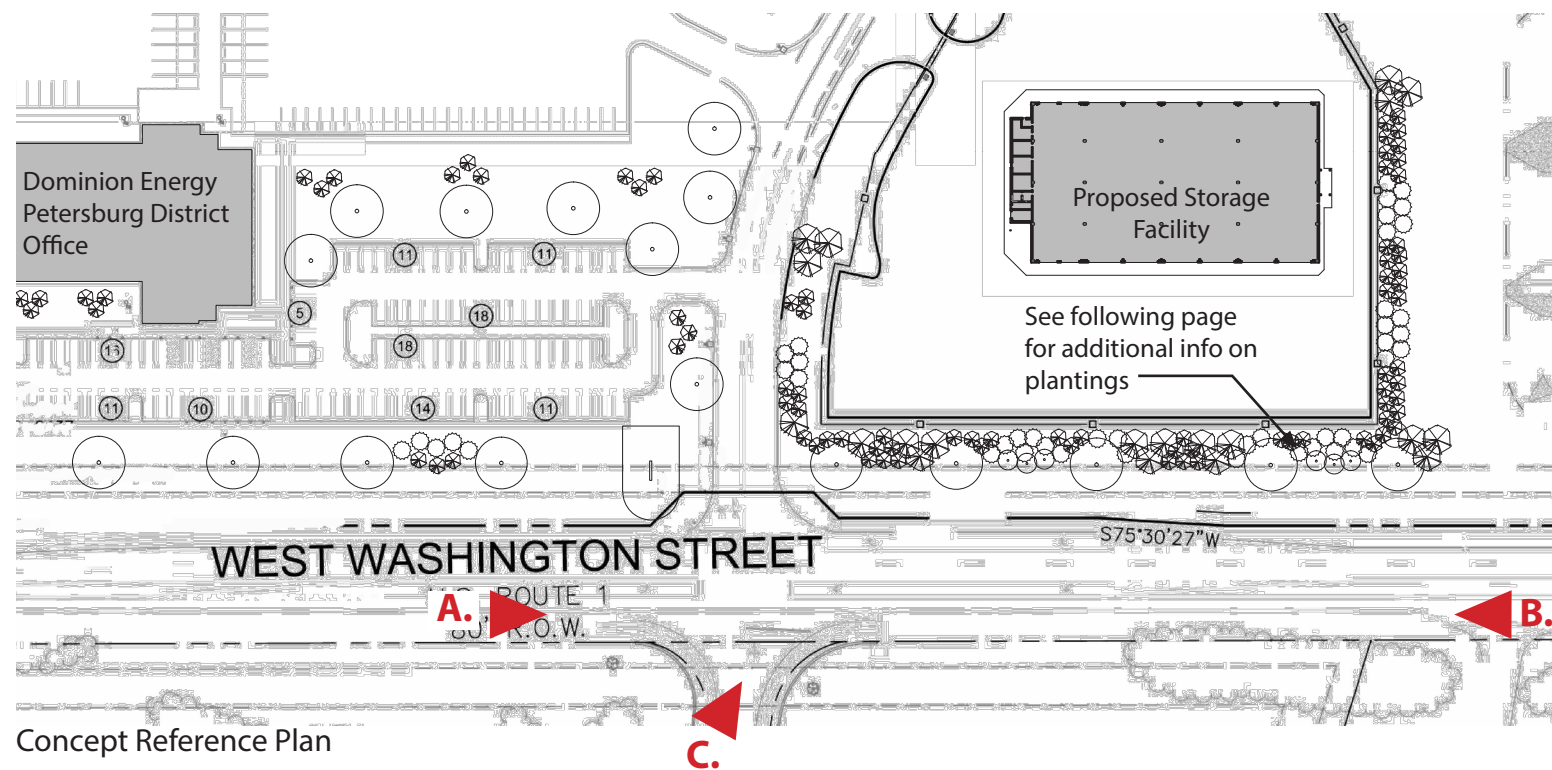
The proposed Mobile Substation Storage Facility is part of the larger Dominion site known as Locks Yard. The newly constructed Petersburg District Office located at 26305 W. Washington Street is the public face of the Dominion complex and greets visitors as they travel in both directions along Route 1. The proposed Storage Facility is located to the east of the District Office and fulfills a critical function for Dominion Energy and the emergency power needs of the area. The vital importance of this facility requires that it have a 12'-0" fence to secure its perimeter. The facility itself is a large warehouse with a low sloped gable roof. The exterior metal siding and roof will be light colored to reduce the heat gain of the

building. The facility will be designed such that an array of solar panels can be added to the roof at a later date. Large door bays are located along the north and south facades allowing the vehicles that transport the mobile power generators access to the facility.

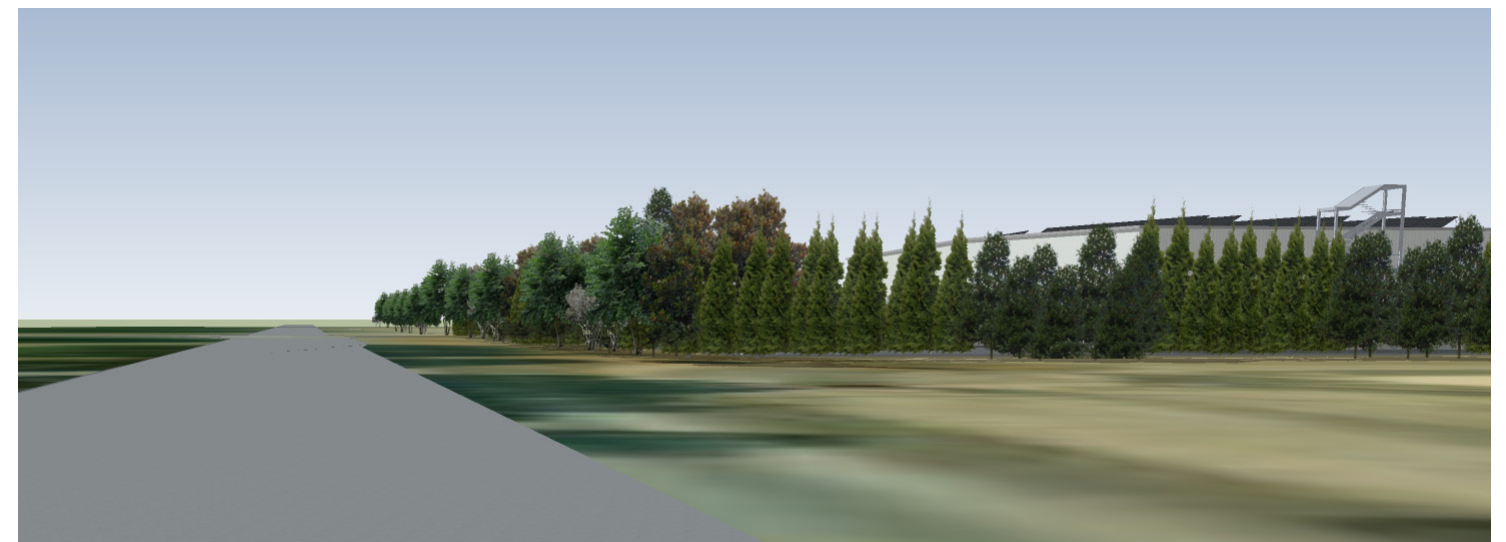
The design intent proposed is to create a landscape screen to shield visibility of the fence, as well as the vast majority of the structure – only a very small portion of the building shall be visible upon maturity of the plantings. The proposed vegetation is part of the larger landscape design and is composed of evergreen native species with deciduous native ornamental plantings mixed in for

visual variety.

The following package conceptually illustrates the look and feel of the landscaping with views from travel along both directions of W. Washington Street. We have included a landscape plan as well as descriptions of the possible plantings. A more detailed landscape plan will be provided at a later date, as well as additional information on the building. However, before developing final plans, we are currently requesting feedback from the Dinwiddie Design Review Board on the proposed scheme.



A. Concept view looking east



B. Concept view looking west



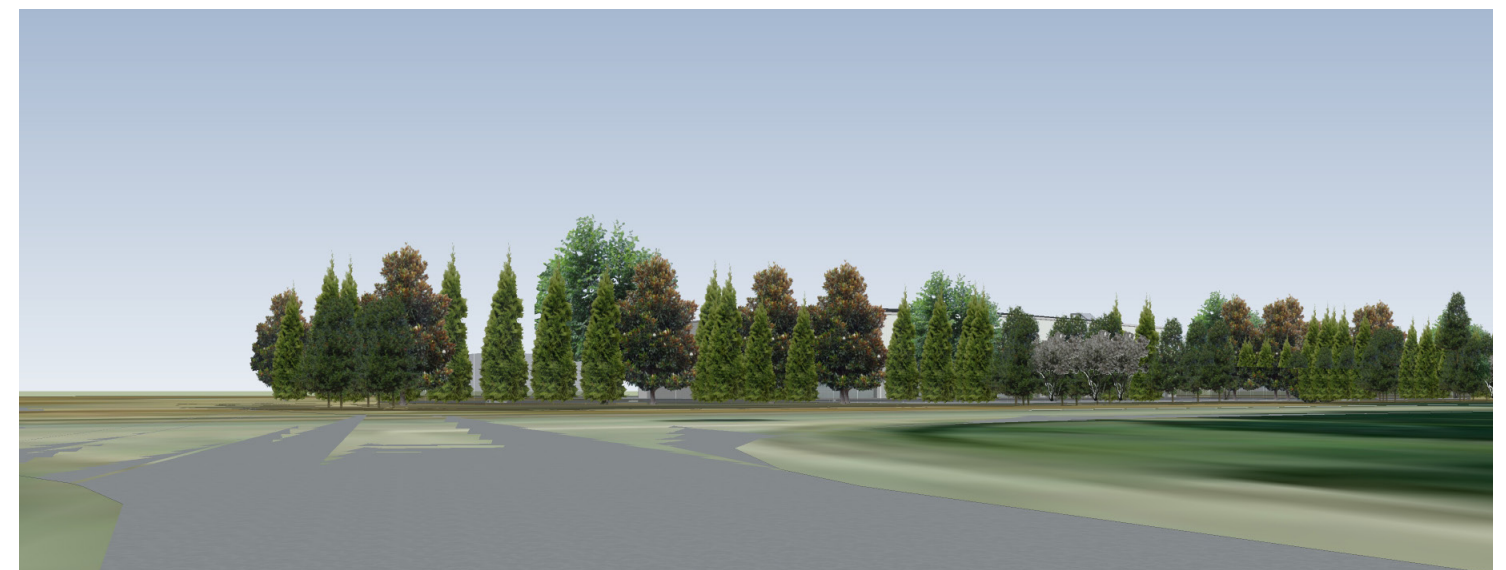
Existing view looking east



Existing view looking west



Existing view looking north



C. Concept view looking north



Majestic Beauty
Height: 50' Tall
Width: 20'-25' Width
Growth Rate: Moderate



Southern Magnolia

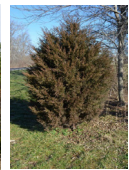
Height: 80' Tall
Width: 40'-50' Width
Growth Rate: Slow to Moderate



Samuel Sommers
Height: 40' Tall
Width: 20'-25' Width
Growth Rate: Moderate



Eastern Red Cedar
Height: 40'-50' Tall
Width: 10'-15' Width
Growth Rate: Fast to Moderate



Eastern Red Cedar



Brodie Red Cedar
Height: 30'-40' Tall
Width: 10'-15' Width
Growth Rate: Moderate



American Holly
Height: 15'-30' Tall
Width: 10'-15' Width
Growth Rate: Slow to Moderate



American Holly



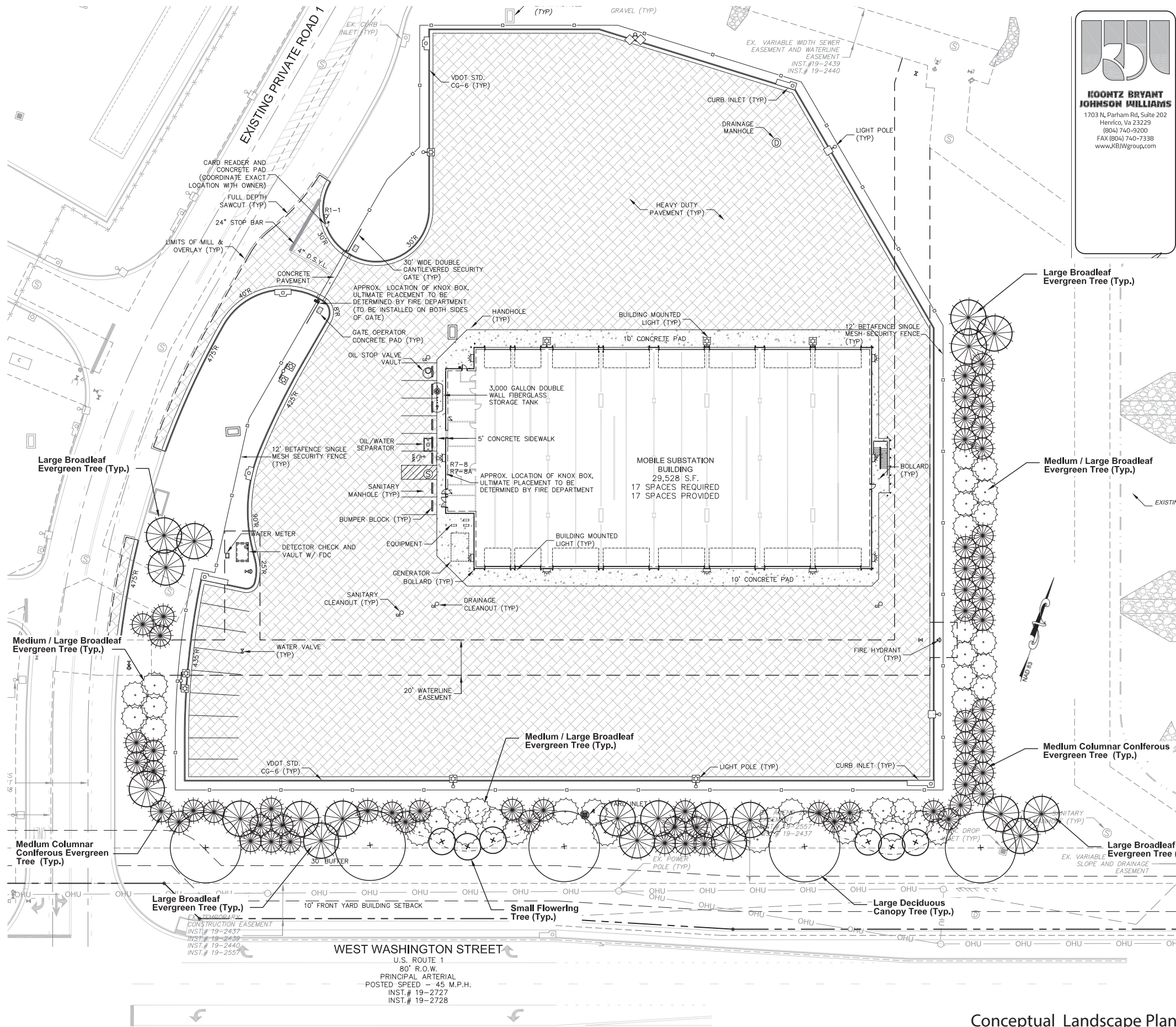
Serviceberry
Height: 15'-25' Tall
Width: 10'-15' Width
Growth Rate: Fast to Medium



Serviceberry



Examples of plantings



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Conceptual Landscape Plan







