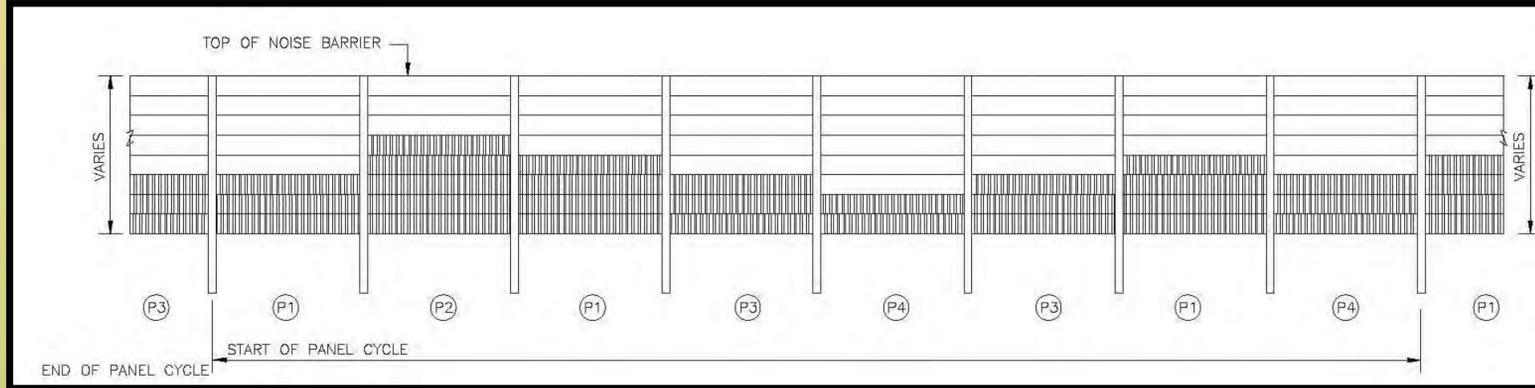


URBAN DESIGN ELEMENTS

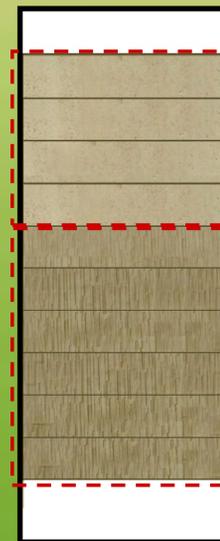
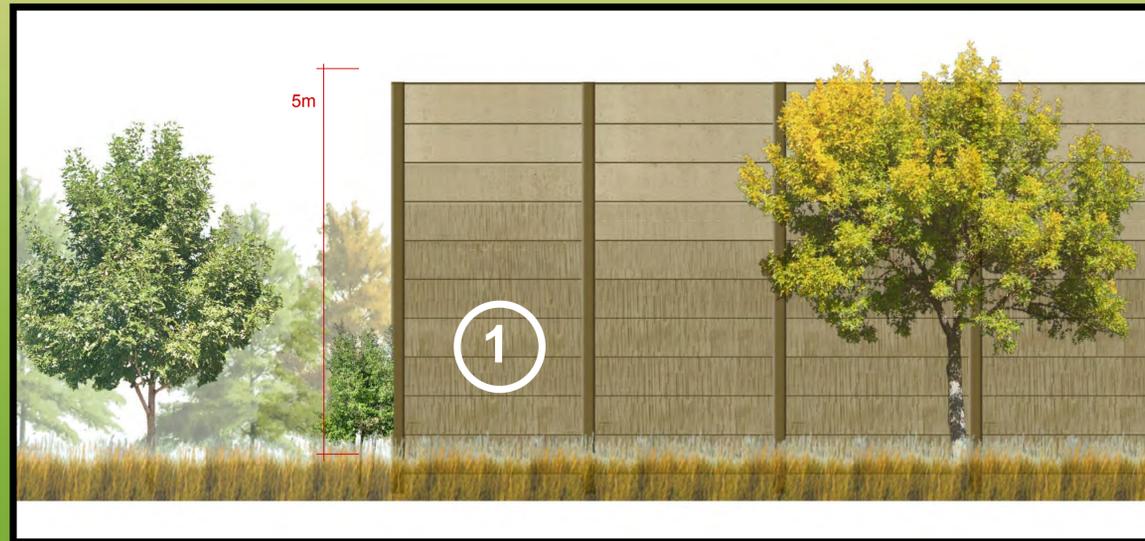
General Arrangement of Patterning Along Noise Wall to simulate Grassland



Noise Wall Colour



"Grassland" Patterning on Highway Side



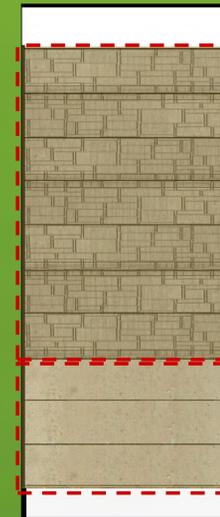
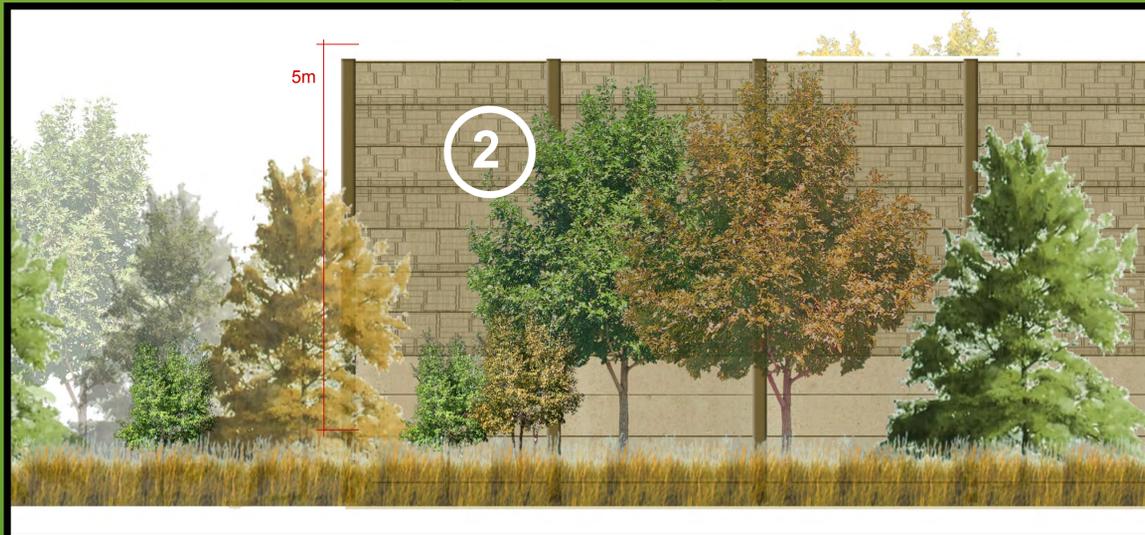
Unpatterned Panels (height varies)

"Fractured Fin" Patterning Panels
(grassland impression - height varies)



Fractured Fin Pattern

"Natural Stone" Patterning on Community Face of Walls



"Natural Stone" Pattern Panels
(height varies)

Unpatterned Panels

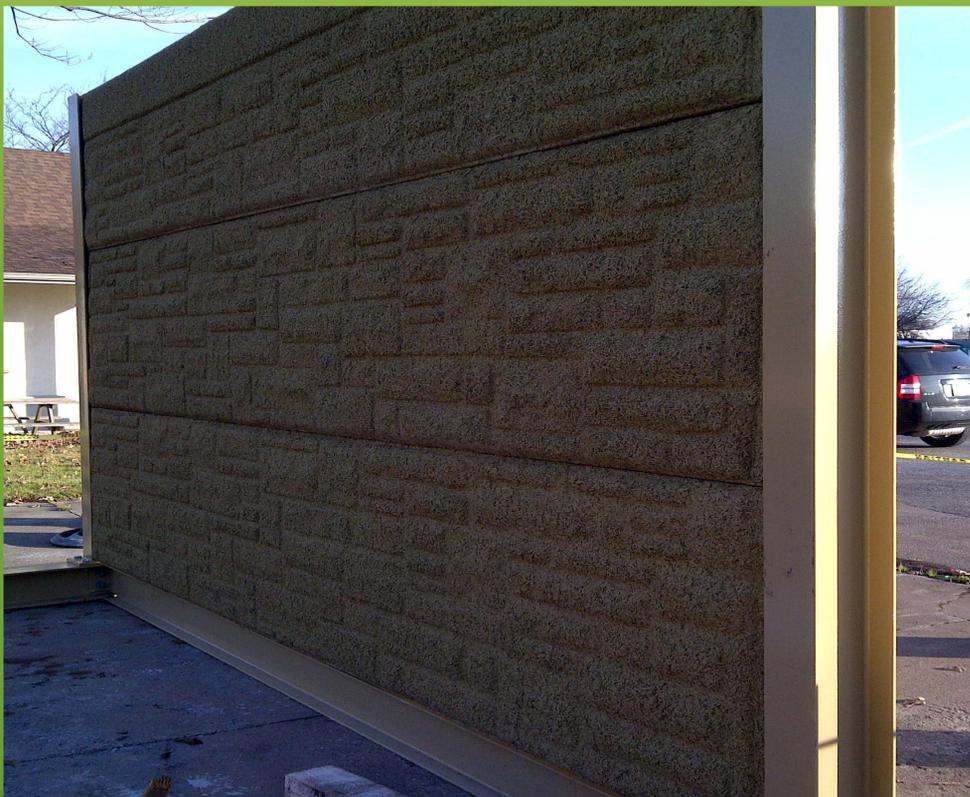
NOTE:
Min. 3 panels (1.5m) to provide a non climbable face for snakes



Natural Stone Pattern



Highway Side of the Noise Wall and Screening Landscape.
Ledge Stone Pattern.
To see the noise wall, please go to the parking lot in the back of the building.



Community Side of the Noise Wall.
Natural Stone Pattern.
Please go to the parking lot in the back of the building to see it.



See Landscape Plan for location and height of fencing and barriers

The following types of **barriers** are located throughout the Parkway:

Property Line Fencing

- 1.8m (6ft) high chain link fencing
- Setback 0.3m (1ft) from the property line (no fence at public lands or local roads)

Security Fencing

- 1.8m (6ft) high chain link fencing
- Located near or at the top/toe of the slope along the highway, safety controls access

Noise Barriers

- Located in areas that have been identified in DRIC study
- Will be constructed as noise walls, landscaped earth berms, or combination
- Noise walls will have a decorative treatment



Property Line Fencing



Security Fencing



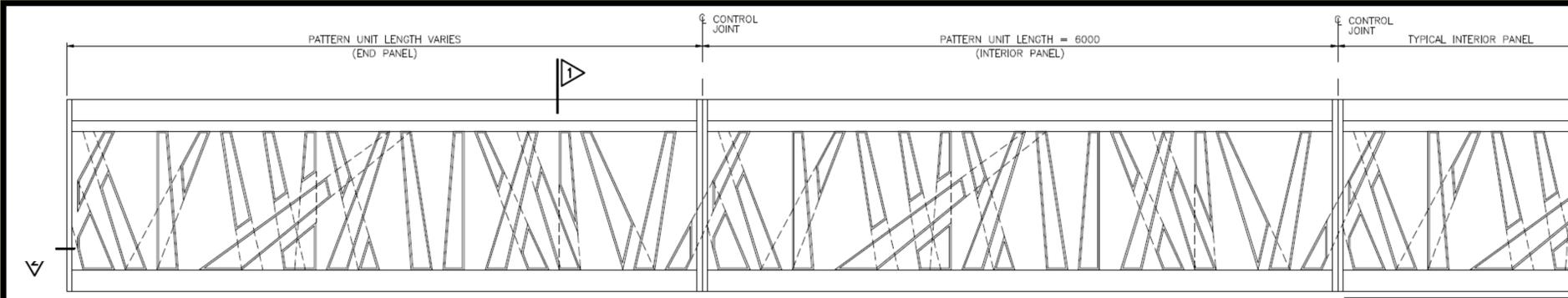
Noise Barrier on Berm



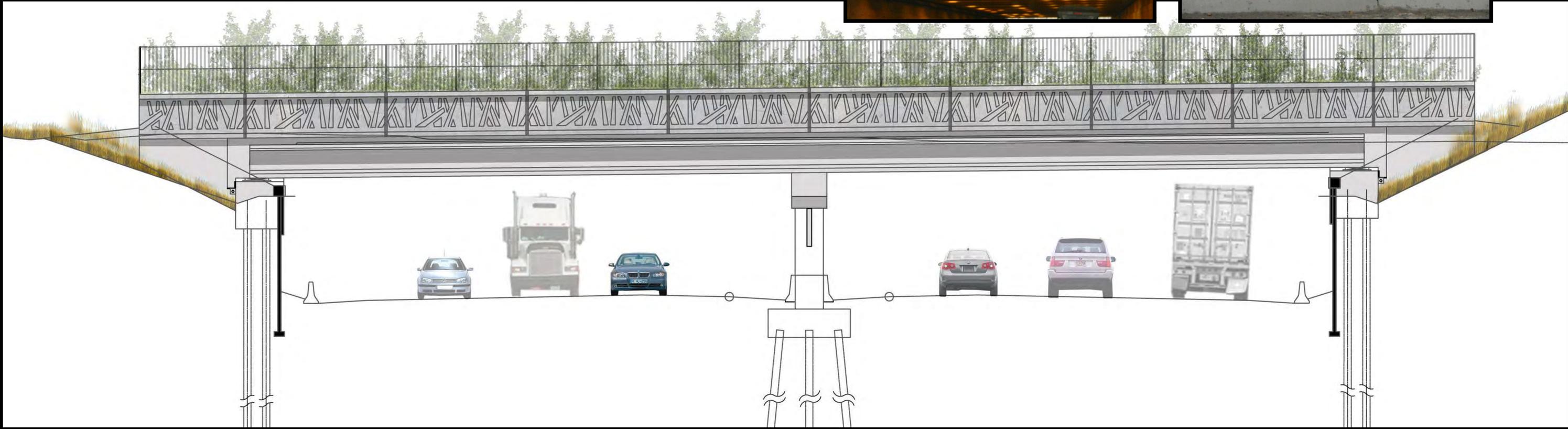
Typical Noise Barrier

Application of Grassland Pattern Details across Tunnel Tops

Tallgrass / Prairie

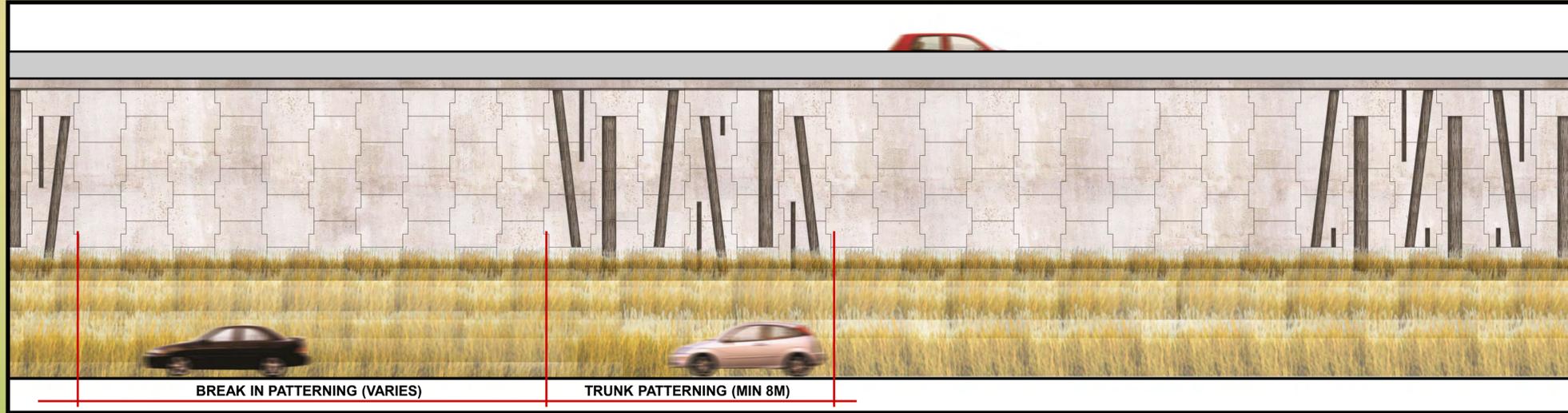


Rendering of Grassland Pattern on Gereadts Tunnel Top (T-8) Barrier Walls

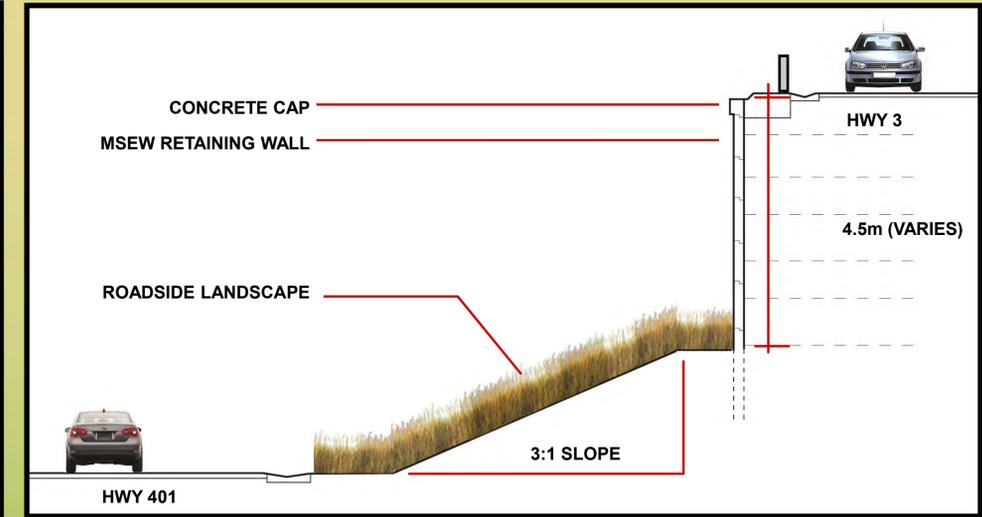


*All Drawings Not To Scale

Retaining Wall – Typical Elevation with Trunk Patterning (Cruciform Example)



Retaining Wall – Section

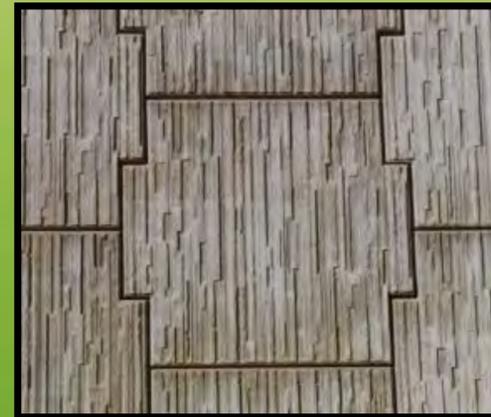


Retaining Wall Detail Elevation



CONCRETE CAP
GRAVE PATTERN ON EXTRUSION
FLAT CONCRETE FINISH
NOTE:
BOTH CRUCIFORM AND RECTANGULAR PANEL WALLS ARE BEING USED ON THE PROJECT.

Standard Texture (Grave) Finish



Oak Tree Trunks (background) and Grassland (foreground)



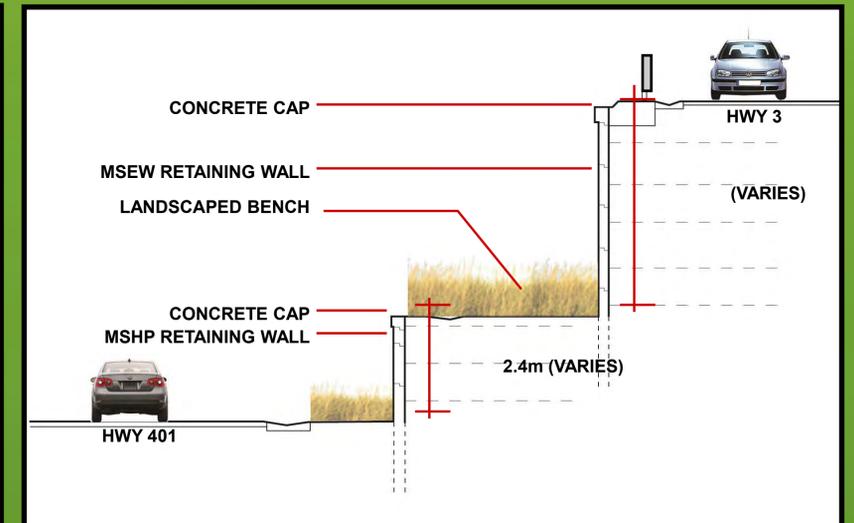
Retaining Wall – (Rectangular Panel Example) with Complete Grave Finish



Overall Elevation with Complete Grave Finish



Retaining Wall – Section

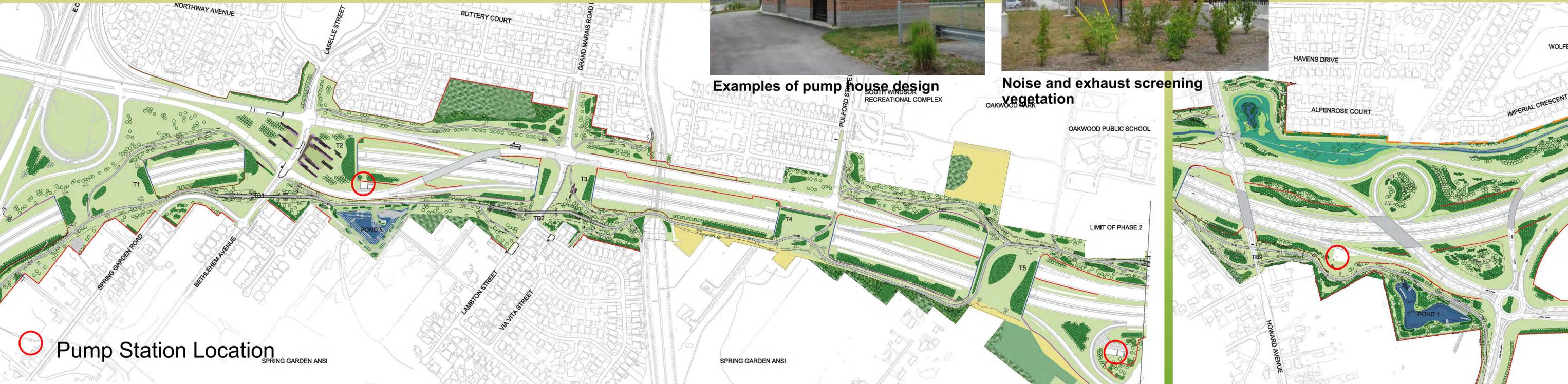


Pump stations are located beside the Highway in association with the Stormwater Management Ponds. Mechanical pumps are located below grade. Backup generators are contained within the pump house structure.



Examples of pump house design

Noise and exhaust screening vegetation



Pump Station Location

