



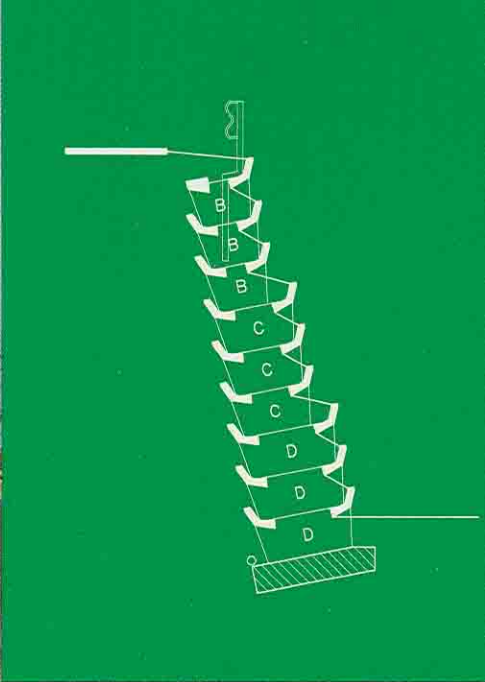
**EVERGREEN<sup>®</sup>**

THE NATURAL ALTERNATIVE





Parkway Retaining Wall  
Post Construction

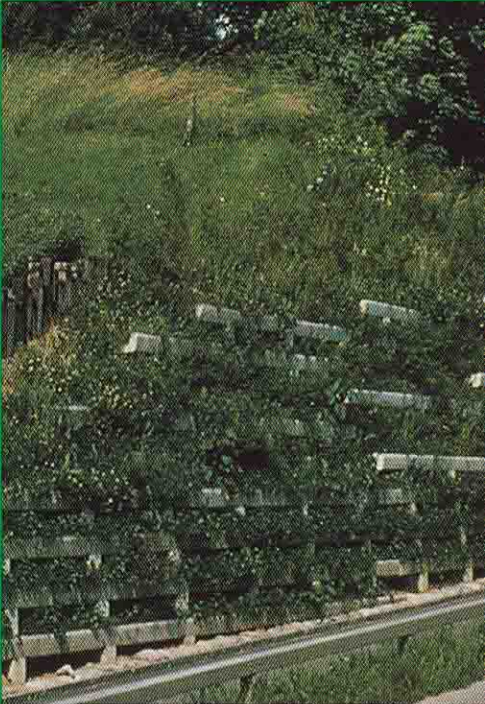


## Finally!

A wall system that  
is both functional  
and aesthetically  
pleasing.

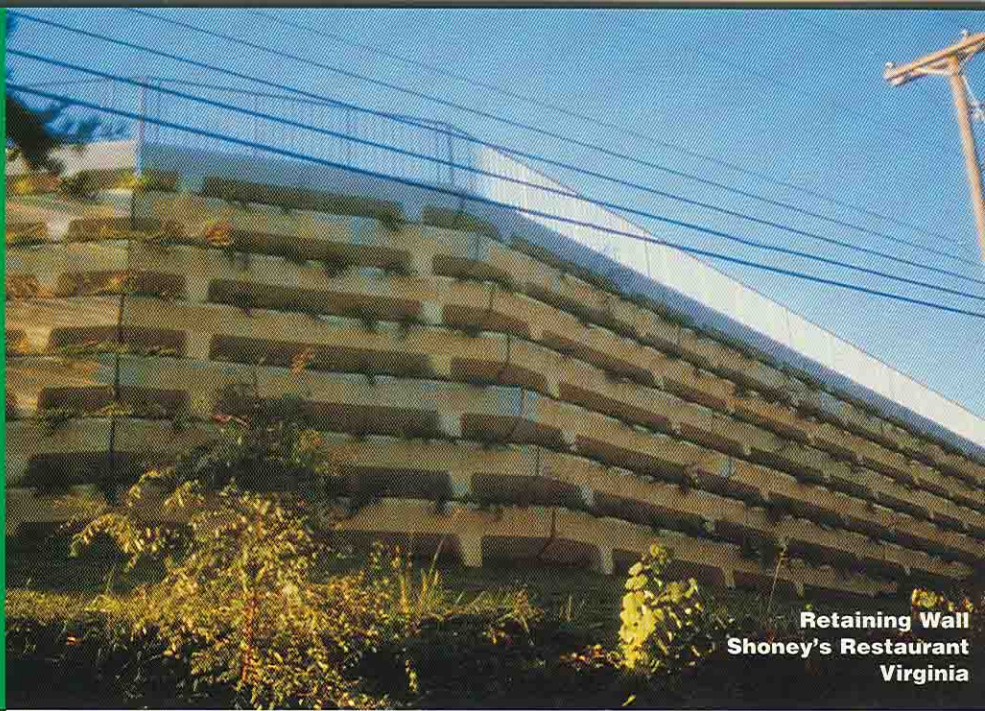
The **Evergreen Wall** utilizes the strength of precast concrete, the advantages of standardized elements, and the beauty of nature to provide a natural alternative.

The unique design of the **Evergreen Wall** offers unmatched stability and fulfills the concerns of environmentalists by providing sound reduction while conforming to the natural landscape.

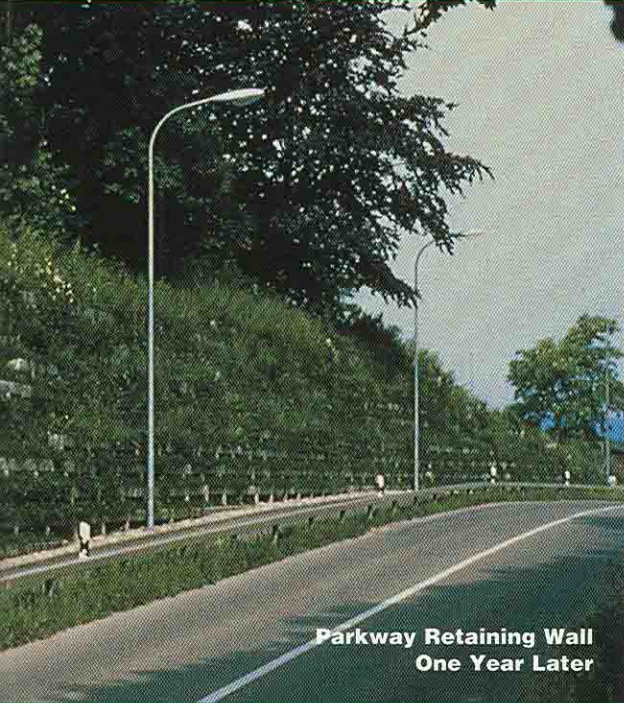


South Wall (Freestanding)  
New Hampshire DOT

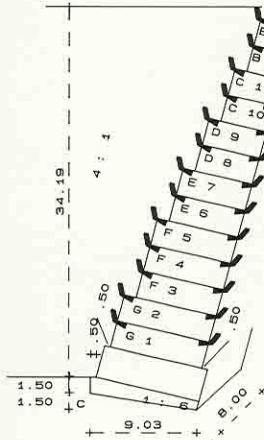
The **Evergreen Wall** is a viable solution for retaining walls and noise barriers. It is a perfect blend of modern technology and the natural beauty of living plants and flowers, thus creating a wall that is functional as well as pleasing to look at.



**Retaining Wall**  
**Shoney's Restaurant**  
**Virginia**



**Parkway Retaining Wall**  
**One Year Later**



PHI' = 32.00 degr  
C' = 0.00 ksf  
GAMMA=125.00 pcf  
DELTA= 24.00 degr  
ALFA' = 14.04 degr

RESULTS	FOUND.	ELEM# 1
RESULTANT FORCE R kips/ft'	36.36	30.20
INCLINATION OF R degr	23.73	22.71
ECCENTRICITY OF R ft	.17	-.34
TOTAL FOUND.-WIDTH ft	9.03	7.76
VIRT. FOUND.-WIDTH ft	8.88	2.83
FOUND. VOL. PER 8.00 ft cuyd	9.36	-

FACTORS OF SAFETY	FOUND.	ELEM# 1
SLIDING	2.45	4.59
OVERTURNING	2.01	2.27
BEARING CAPACITY	2.24	-

CUMBERLAND GAP PROJECT TN/KT  
EVERGREEN - MACRO - WALL  
FHWA INTERSTATE TUNNEL CUT  
PROFILE: TYPICAL

SYSTEM EVERGREEN	SCALE 1" = 6'
EVERGREEN WALLS	DATE OCT. 10/93
	REV.
	PREP.
	JOB# E-US-93/1/001

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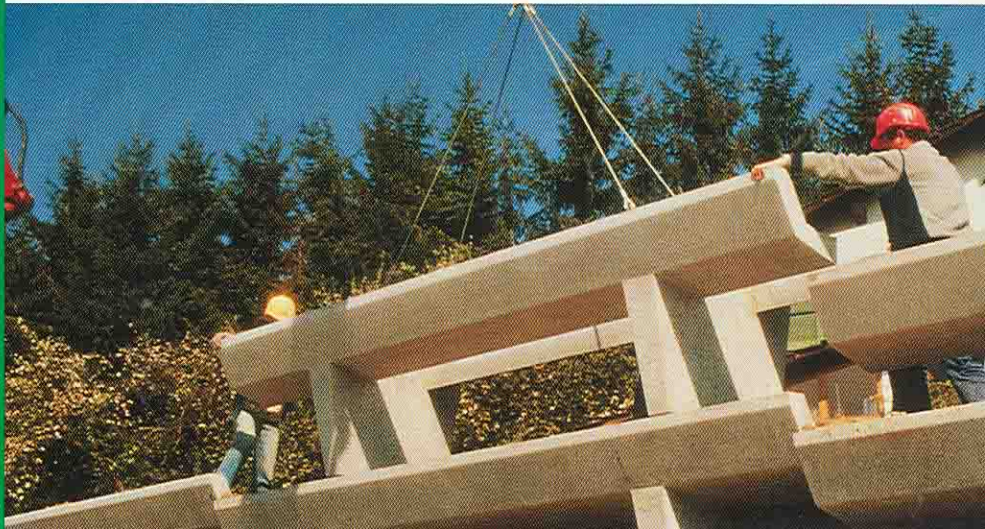
**Joint Venture Project:** **Kentucky DOT**  
**U.S. - National Park Service**  
**U.S. - Federal Highway Administration**

**EVERGREEN®**

THE NATURAL ALTERNATIVE



- Custom Design:** Each Evergreen Wall is custom designed to meet your requirements including footings, backfilling, and landscaping.
- Ease of Installation:** The same excavator can dig footings, set Evergreen Wall units, and backfill.
- Maximize Land Use:** Evergreen's unique design allows the wall to be constructed in minimal space.
- Stability:** Extra wide footing stance, as well as earth filling while you erect, provides an extremely stable wall.



## GRAVITY TYPE RETAINING WALL

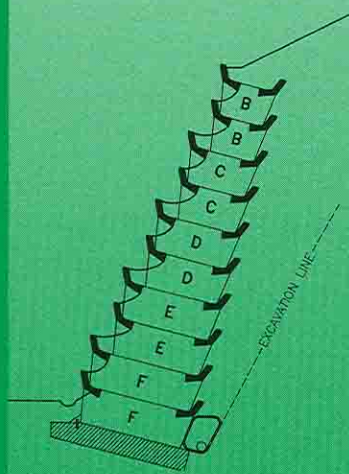
**Noise Reduction:** The Evergreen Wall is designed to provide excellent sound dispersion.

**Eliminate Falling Rock:** The hazard of falling rock onto the roadway is minimized.

**Reduce Graffiti:** Limited surface area which quickly is covered with vegetation drastically reduces the problem of offensive roadside art.

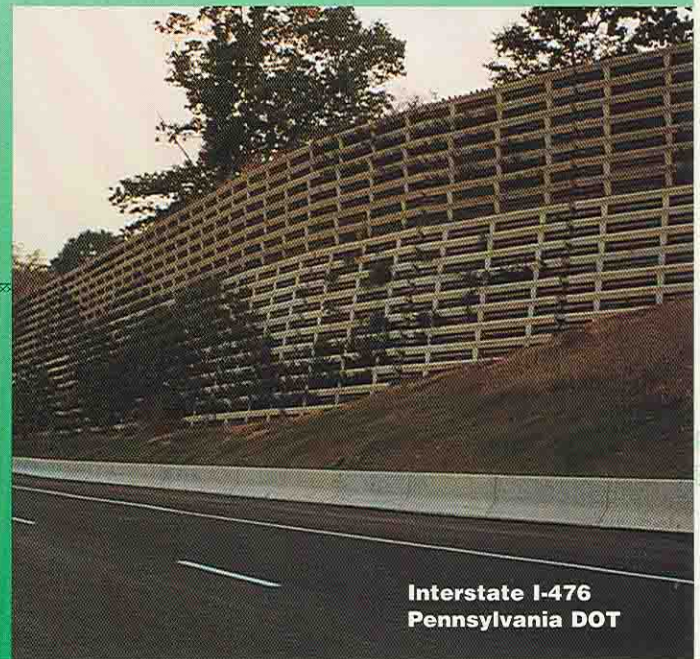
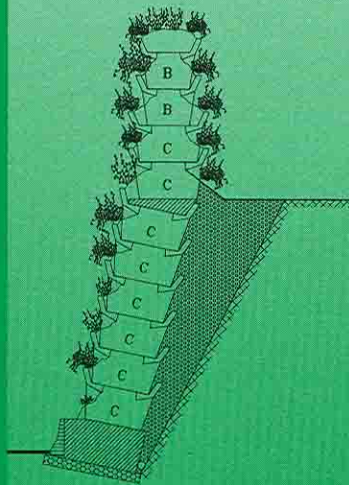
**Cost-Effective:** The unique Evergreen component system keeps manufacturing and erection cost down by efficient use of people, time, materials and equipment. 40 sq. ft. of wall surface per element means quick assembly and installation.

**Quality Control:** The advanced engineering design of our steel forms and in-plant inspection during production assures consistent high standards in dimensional tolerance and material strength.



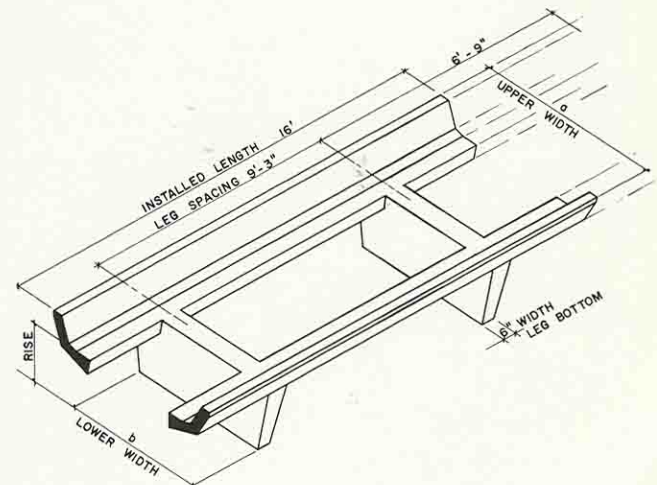
Allegheny State Park  
New York State DOT

## FREE STANDING NOISE BARRIER



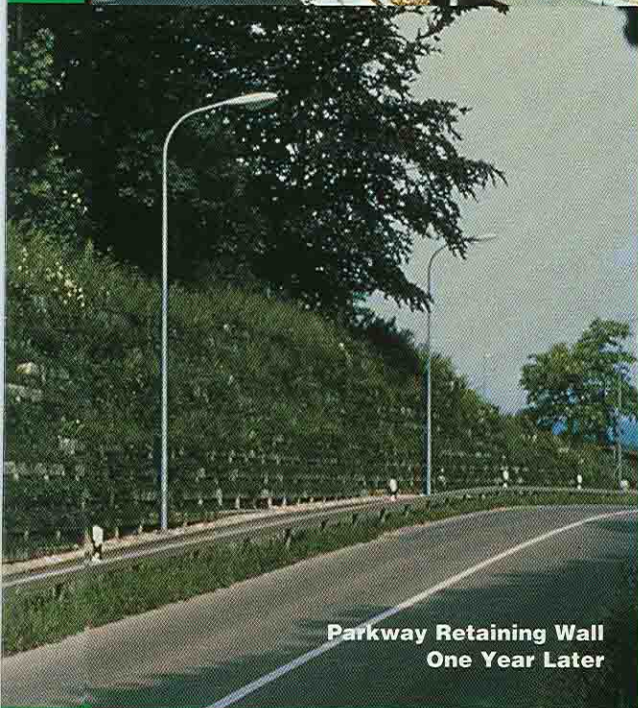
Interstate I-476  
Pennsylvania DOT

element	Dimensions		concrete weight per element klps	earth fill volume per element cu. yd.	total weight concrete+earth* (design weight) klps per ft.
	lower width	upper width			
	b	a			
A	1'-5"	2'-3 1/4"	2.457	1.9	0.47
B	3'-0"	4'-6 1/2"	5.24	4.3	1.12
C	4'-0"	5'-6 1/2"	5.724	5.6	1.43
D	5'-0"	6'-6 1/2"	6.208	7.0	1.75
E	6'-0"	7'-6 1/2"	6.693	8.3	2.08
F	7'-0"	8'-6 1/2"	7.178	9.7	2.41
G	8'-0"	9'-6 1/2"	7.662	11.0	2.72
H	9'-0"	10'-6 1/2"	8.147	12.4	3.06
I	10'-0"	11'-6 1/2"	8.631	13.7	3.39
J	11'-0"	12'-6 1/2"	9.115	15.1	3.73
K	12'-0"	13'-6 1/2"	9.60	16.5	4.08

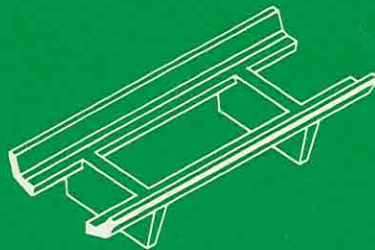




**Curvalinear  
Retaining / Sound Wall**



**Parkway Retaining Wall  
One Year Later**



**EVERGREEN®**

THE NATURAL ALTERNATIVE



**Applications:** Evergreen Walls can be used as a retaining wall or slope stabilizer, for earth or rock embankments, or as a noise barrier. This unique planted wall makes it especially suitable for highways and railroads and even more so for parks, gardens, residential and commercial districts.



**Parkway Retaining Wall  
Five Years Later**