

Case Study – Industrial Privacy Wall



Location: Morris, Illinois
Product: StoneHedge® XL
Manufacturer: Stockdale Block Systems - Morris, Illinois
Design Engineer: J.L. Meece Engineering, Inc. - Coal City, Illinois
Contractor: Stockdale Block Systems - Morris, Illinois
Total Area: 2,400 sq. ft. (223 sq. m), 7 ft. high (2m)

Design Challenge:

When Narvick Ready Mix in Yorkville, Illinois was required by the city to construct a perimeter fence at their production facility, it was thought that a wire fence could be used for compliance. However, city zoning laws required that the view of the plant be obstructed from passing traffic on nearby streets.



Design Solution:

Rockwood's StoneHedge® XL was chosen because it not only complied with the view requirement, it would exceed it, and because of its segmental functionality and aesthetic appeal. The unique appearance of a double split-face, freestanding wall was not only attractive to the owner of Narvick Ready Mix, it was also a sensible choice, given the heavy truck traffic in their yard. 21" square columns separate each wall but are not integrated with the walls. Should a truck inadvertently hit the wall, the severity of damage would be minimized because of the unique wall design.



The freestanding StoneHedge® XL wall was also designed to resist up to an 80 mph wind load. A 4" x 4" Anchor Bar on each block effectively creates a mechanical connection with a high shear resistance, making the wall a secure barrier for the plant. A concrete footing for the base course offers stability for the wall and helps prevent settlement. This footing also increased the efficiency of installation.

The Result:

Standing approximately 7' (2.1m) in height and over 400' (122m). in length, the Narvick Ready Mix, StoneHedge® XL wall obstructs views of the facility and equipment from passing traffic. It is a culmination of practical design and product integrity, as a solution that met and then exceeded the basic design requirement of the city.

StoneHedge® XL

Capable and durable, StoneHedge XL™ is the perfect product for any freestanding wall. StoneHedge XL can be used to construct unique applications such as containment walls, pillars, monuments, stone privacy fences and more! Modeled after Classic® 6 it offers the same performance, design and characteristics that have made Classic 6 an industry standard.



Two Sided Straight Split

Size: 6" H x 18" W x 10" D

150mm x 450mm x 250mm

Weight: 64 lbs., 29 kg

Appearance

Dependability

Efficiency

ROCKWOOD®
RETAINING WALLS

A better way.™

