

SMITH-MIDLAND®
EXCELLENCE IN PRECAST CONCRETE

PROTECT YOUR ASSETS

Precast Concrete
Product Solutions



Manufacturing precast concrete products since 1960

Utility Sector Product Lines:

- **SoftSound Absorptive & SMC Reflective Noise Barriers**
- **Easi-Set All-Precast Concrete Shelters**
 - *Control & SCADA* - *Electrical Transmission & Distribution*
 - *Generator & Battery Enclosures* - *Solar & Wind Generation*
 - *Gas Transmission & Odorant* - *HazMat/Chemical Storage*
 - *Water & Wastewater* - *Data Centers* - *Guard & Gate Houses*
 - *Process Analytical Shelters* - *Sensor Stations and more!*
- **Utility Vaults – Manholes - Duct Banks - Pads - Risers**
- **Architectural Precast for Larger Commercial Buildings**
- **Retaining Walls**
- **Custom “Value Engineered” Solutions**

3 Manufacturing Facilities

Serving Customers
Across the
Mid-Atlantic & Southeast

SMITH-MIDLAND[®]
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SMITH-CAROLINA[®]
EXCELLENCE IN PRECAST CONCRETE

SMITH-COLUMBIA[®]
EXCELLENCE IN PRECAST CONCRETE

- 250+ employees
- \$42 million in annual revenue



SMITH-MIDLAND[®]
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Over 110,000 sq. ft.
Production Space

SMITH-CAROLINA[®]
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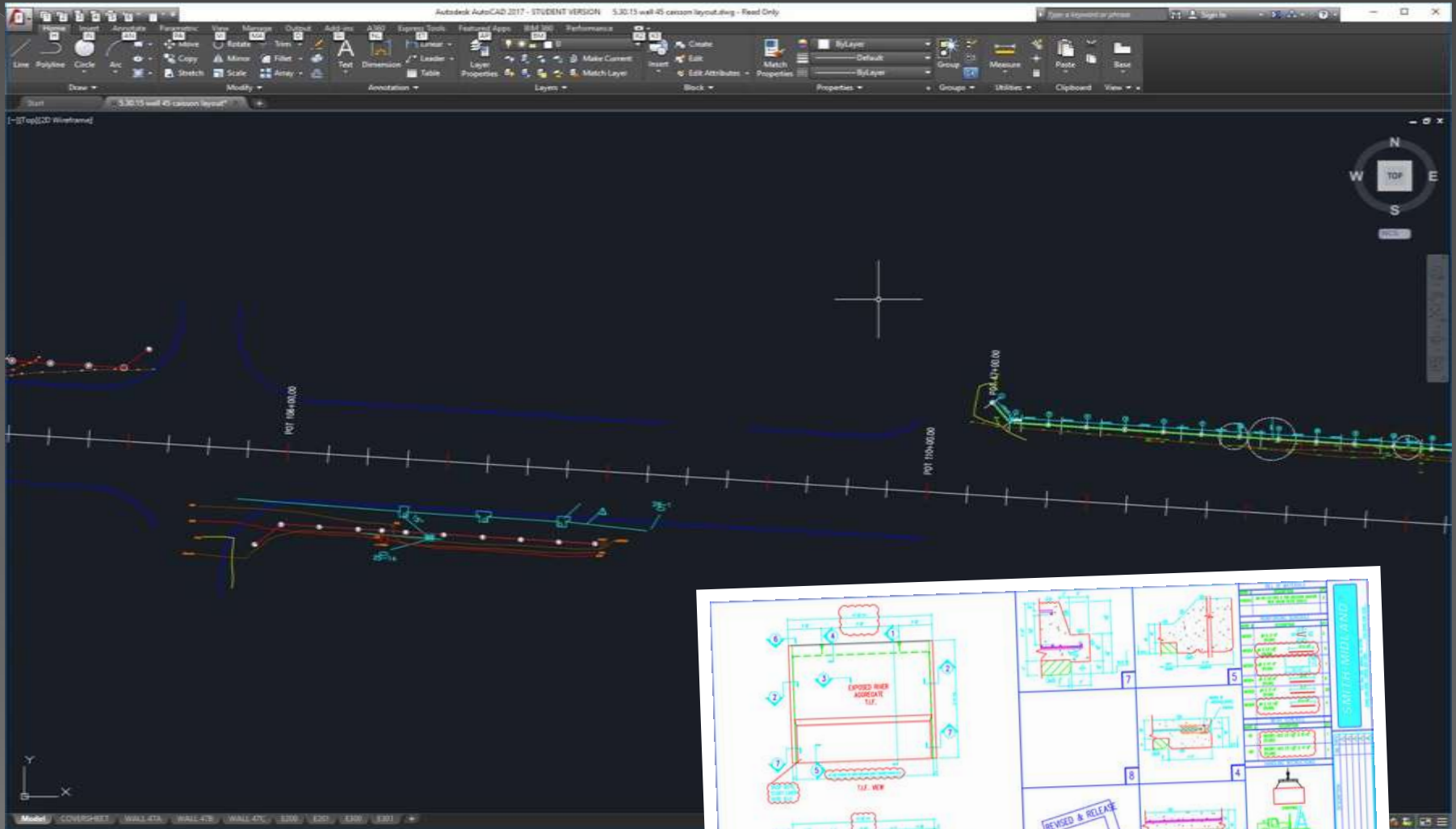


In-House Product Fabrication

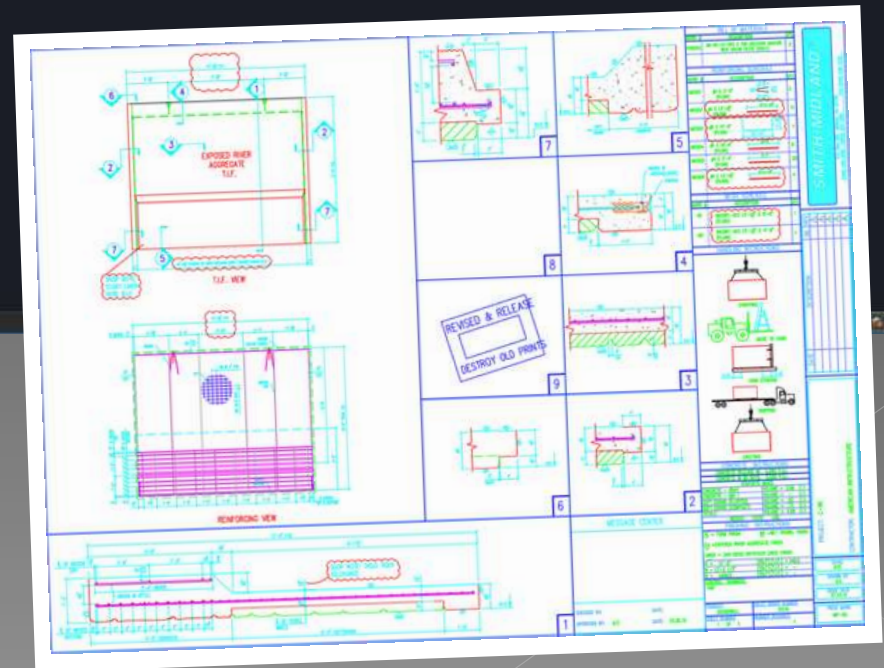
- Quicker Turnaround
- On-Schedule
- On Budget



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Value Added Engineering and Design Assist



Turn-Key Installation Services

Modular Construction

- Speeds Installation
- Minimizes On-site Time & Trades
- Simplifies Repairs



Precast Noise Barriers as a Solution

The use of noise barriers (or sound walls) is recognized as the most effective large-scale attenuation treatment for outdoor noise issues.

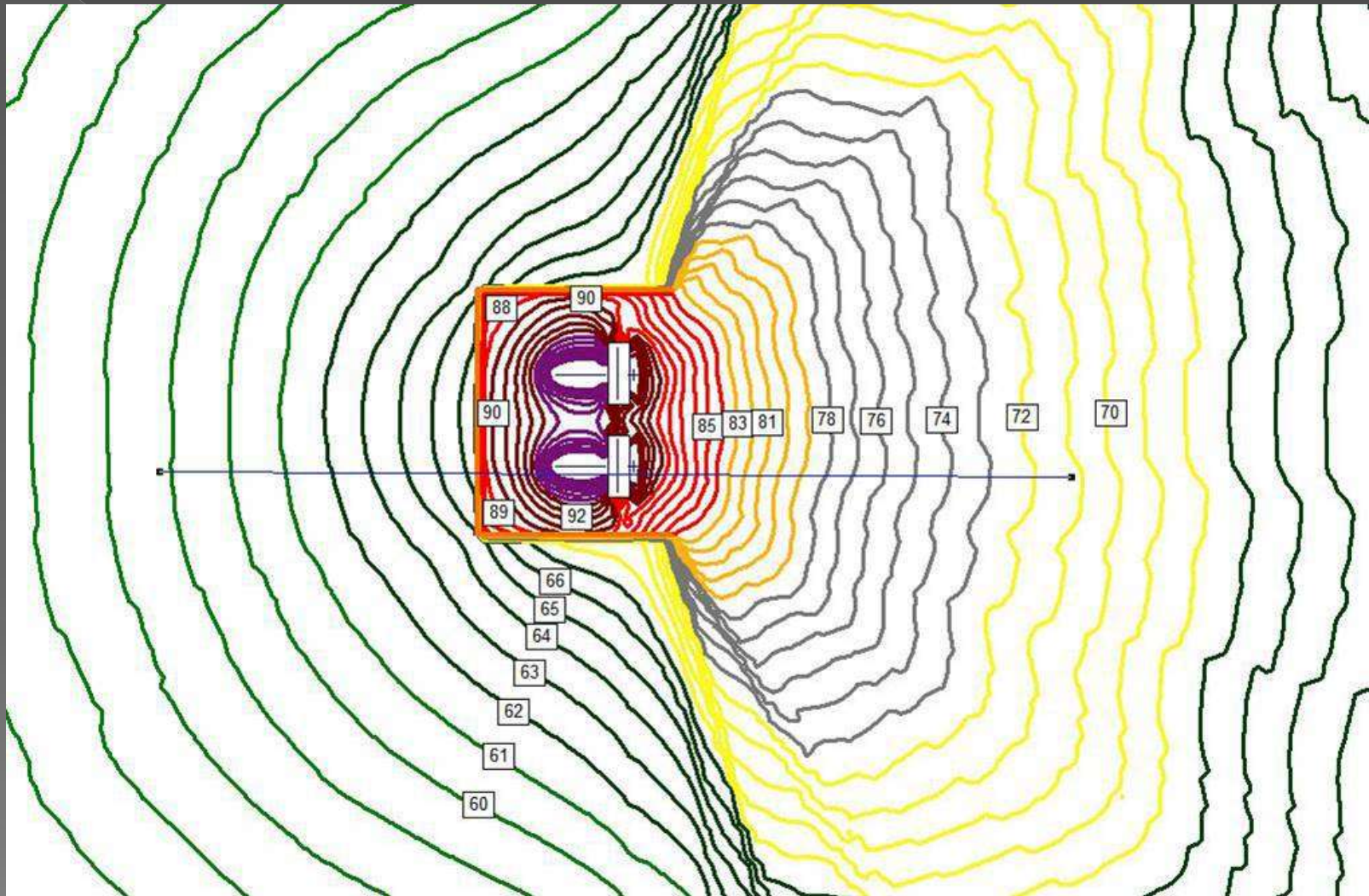
By definition, “noise barriers” are solid obstructions built between the noise source and the affected receiver.

Effective noise barriers typically reduce noise levels by 5 to 20 decibels (dB), cutting the perceived level of noise by one half or *more*.

Changes in STC Rating Changes in Apparent Loudness

+/- 1 decibel	Almost imperceptible
+/- 3 decibels	Just perceptible
+/- 5 decibels	Clearly noticeable
+/- 10 decibels	Twice (or half) as loud

Effective Noise Continuation Solutions



There Are Two Types of Noise Barriers:

Smith-Midland Offers Both

Absorptive (NRC) – Barriers made from materials that absorb sound, preventing it from reflecting back off the barrier. i.e. non-reflective. Absorption capability of a barrier is designated by NRC (Noise Reduction Coefficient), an NRC rating of .80 or higher is considered highly absorptive.

Smith-Midland's **SoftSound Absorptive Noise Barrier** has an NRC of .80

Reflective (STC) – Barriers that block sound from passing through them, but also reflect sound. The sound blocking capability of a barrier is designated by STC (Sound Transmission Coefficient). An STC rating of 30 or greater is considered high.

Smith-Midland's **SMC Reflective Sound Barrier** has an STC of 50

Smith-Midland's **SoftSound Absorptive Noise Barrier** has an STC of 50



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Absorptive Noise Barrier



SoftSound from Smith-Midland meets or exceeds all state and provincial performance requirements.

Strict quality control standards are maintained to ensure consistency and longevity of product.

- ASTM C423–NRC = 0.80
- ASTM C423 (Stained)–NRC = 0.80
- ASTM C666 Procedure A–Freeze Thaw
- ASTM C666 Procedure B–Freeze Thaw
- ASTM C672–Salt Scaling
- ASTM C672(WI Method) – Salt Scaling
- ASTM E84–Flame & Smoke
- CAN/ULC-S102.2-10 Flame & Smoke
- ASTM E90 – Sound Transmission Loss

SMC Reflective Noise Barrier



Both Solutions Are Perfect Fits for Utility Applications



Solid Structures Benefit Both Installations And Neighbors





The Advantages of Smith-Midland Noise Barriers vs. Fencing

- Security
- Sound Reduction
- Safety
- Sight Lines
- Longevity/Durability
- Lifetime Value
- Meets Homeland & FERC requirements

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They Look Great Too!

Smith-Midland has the Ability To Manufacture Large Pre-stressed Columns



Over 50 Standard Formed Patterns + Custom Designs



All Products Manufactured in the USA



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