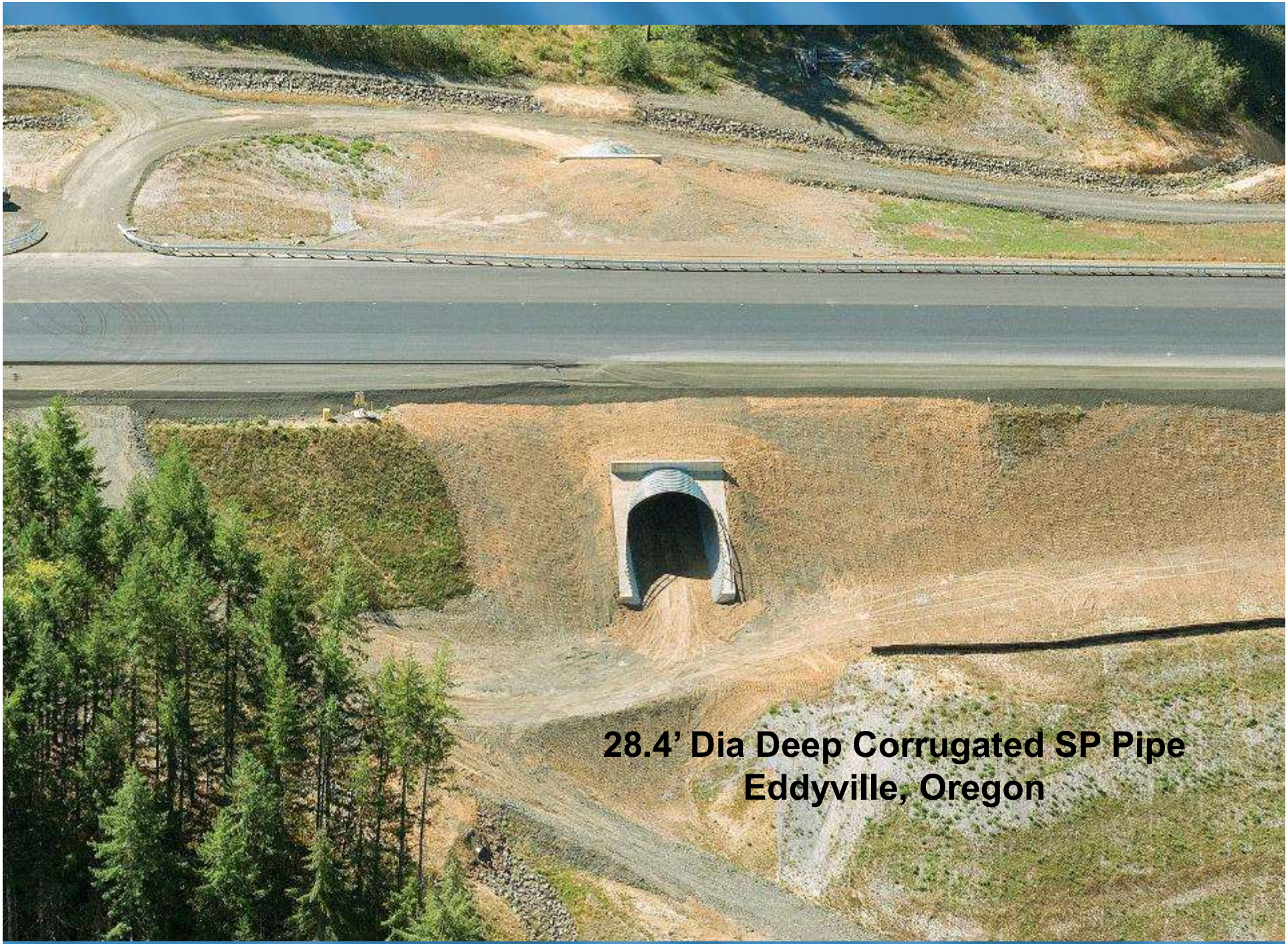
NCSPA Project of the Year Nominees

- ODOT Pipe Procurement – Eddyville, OR
- I-70 Over Deer Creek Bridge – Shawnee Co, KS
- Hardin Valley Middle School – Knox Co, TN
- Texas Pacifico Bridge Replacement – Talpa, TX



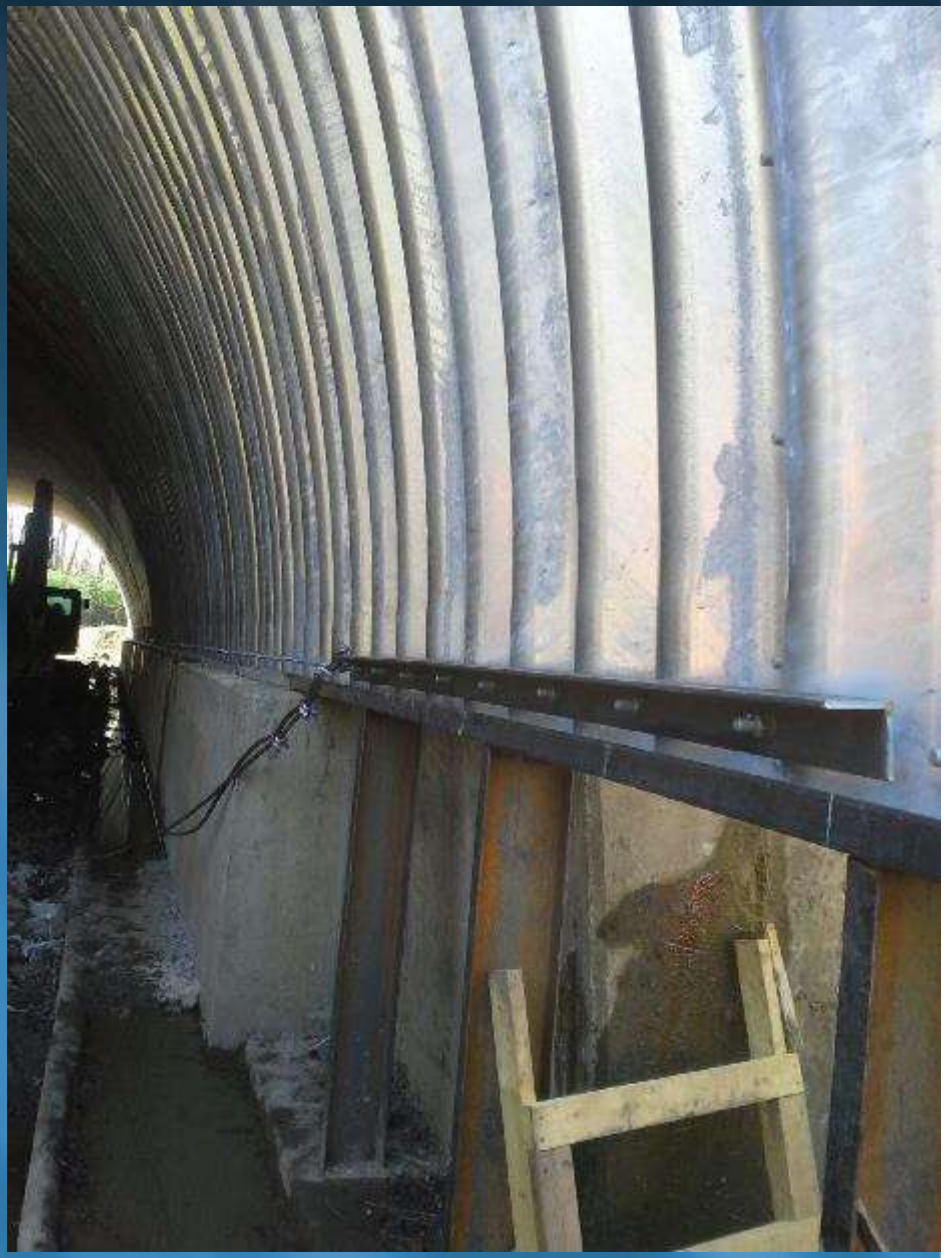
28.4’ Dia Deep Corrugated SP Pipe
Eddyville, Oregon

Project Details

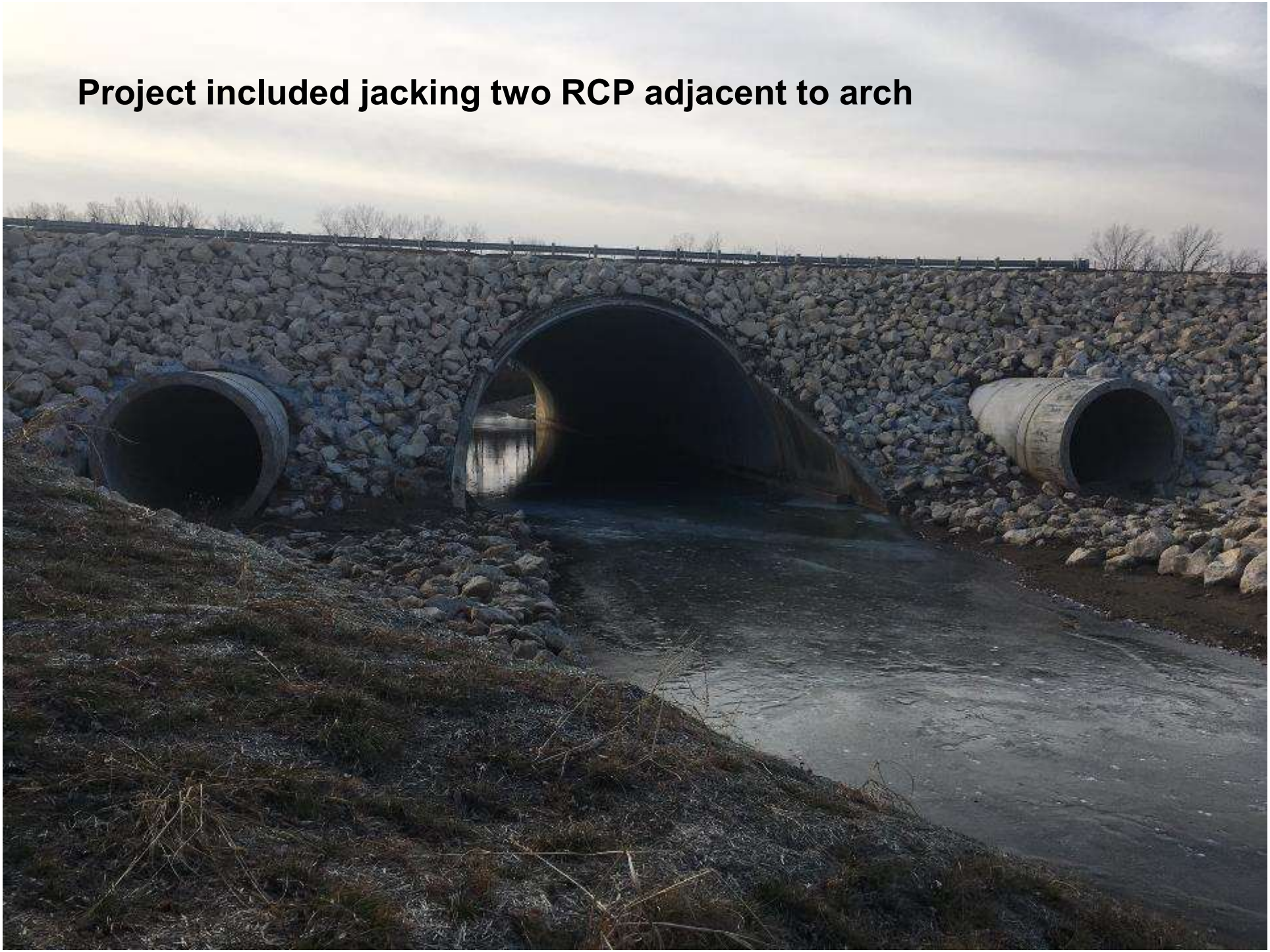
- Wildlife crossing with step beveled ends
- Specified ***and*** designed by Oregon DOT – their first deep corrugated SP project
- Bridge and concrete box also considered but were cost prohibitive.
- Deep corrugated SP was preferred because of flexibility and ability to accommodate anticipated ground movements in active landslide area
- Categories: SP, DOT

I-70 Over Deer Creek Buried Bridge – Shawnee County, Kansas

- 41.3’ span x 21.3’ rise deep corrugated SP arch for rehab of existing concrete arch under I-70 constructed in 1959.
- Arch geometry was customized to fit inside existing concrete arch
- Buried Bridge designed to carry all design loads – no additional support considered from existing structure
- Load rating required. KDOT did not have a load rating procedure for deep corrugated SP. Worked with rating engineer to develop a procedure to comply with KDOT specifications
- Categories: SP, DOT, Rehabilitation




Significant Project Delays Due to Flooding


Project included jacking two RCP adjacent to arch


EXIT
364B

CONTECH®
ENGINEERED SOLUTIONS

NCSPA 2017 Project of the Year

Hall of Fame Category

CONTECH ENGINEERED SOLUTIONS

14th Street Improvements (Phase II) – lane widening

Ocala, Florida

Details:

- ULTRA FLO® ALT2 16 GA, 3x1 and 2 2/3 x ½ corrugations
- 5,2800 LF
- Diameters: 18-in. to 72-in.

Completed Date:

1986

Solution

- VE vs. RCP
- ALT2 for durability and to meet service life requirements of the project – 75 years.
- $50,000 savings over RCP

14th Street Improvements (Phase II)

Ocala, Florida

Coupon obtained in 2016 inspection (30 years later)

Inspection

- 30 years later
- "Core Samples yielded excellent results. Pipe is in great condition and performed as expected."

NCSPA 2017 ANNUAL MEETING

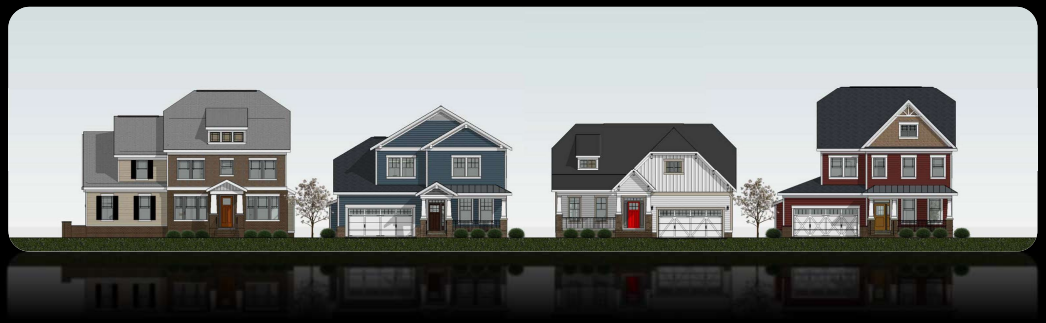
Projects Of The Year

Multi-Purpose Storm Water Management System at John Rolfe Square

NCSPA

STEEL: PROVEN 100-YEARS STRONG

PROJECTS OF THE YEAR



- 40-Lot Single-Family Residential
- Richmond, VA Area

LANE

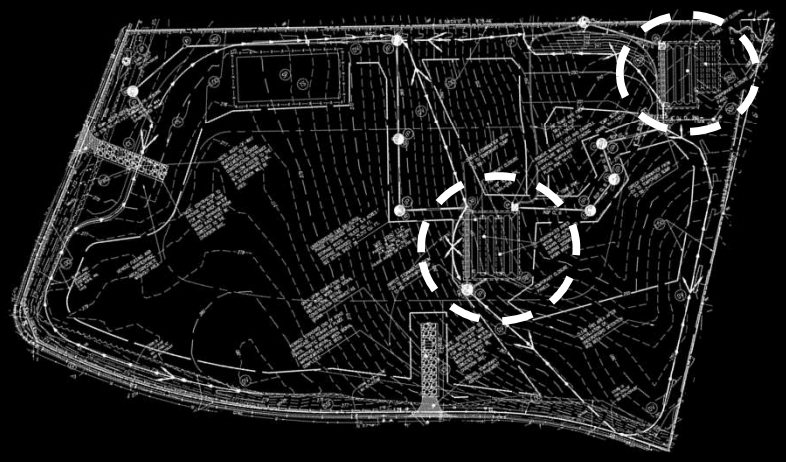
Multi-Purpose Storm Water Management System at John Rolfe Square

NCSPA

STEEL: PROVEN 100-YEARS STRONG

PROJECTS OF THE YEAR

Storm Water Management Areas



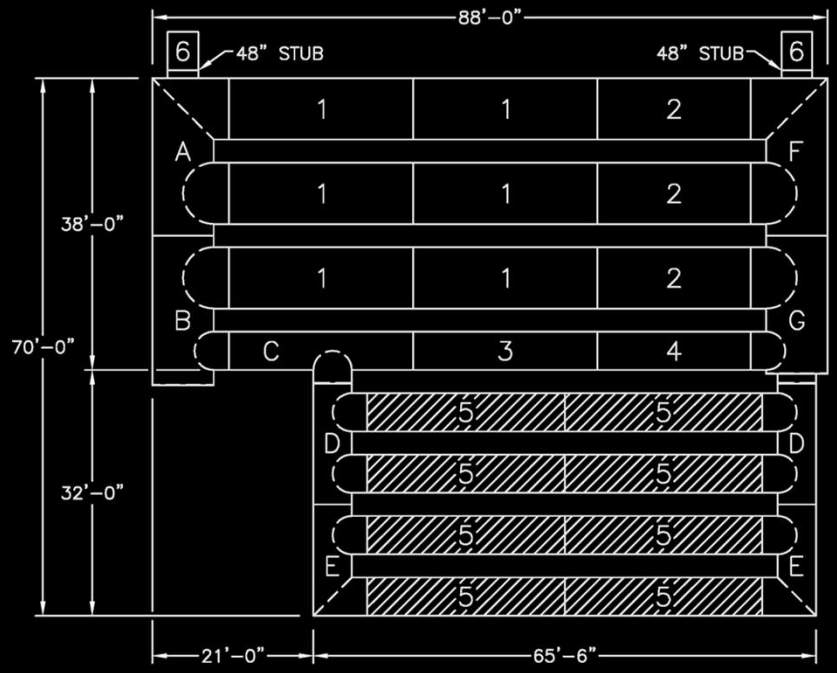
Lane Enterprises, Inc. • 3905 Hartzdale Drive, Suite 514 • Camp Hill, PA 17011

Multi-Purpose Storm Water Management System at John Rolfe Square

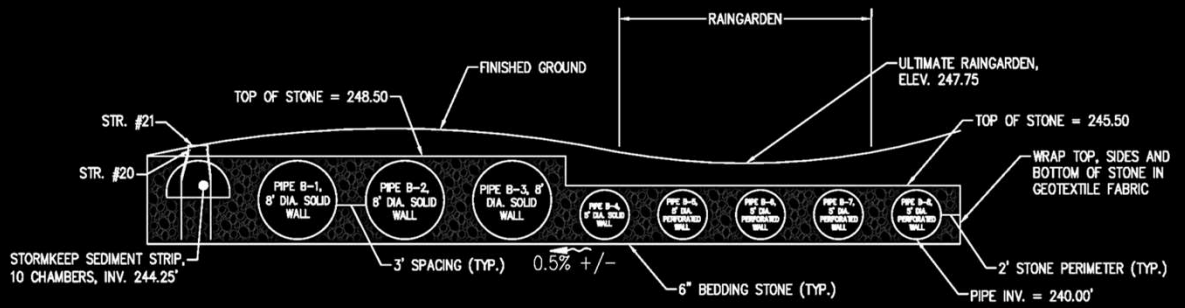
NCSPA

STEEL: PROVEN 100-YEARS STRONG

PROJECTS OF THE YEAR



- Temporary Sediment Basin
- Detention System
- Infiltration System
- Bioretention/Raingarden



Multi-Purpose Storm Water Management System at John Rolfe Square

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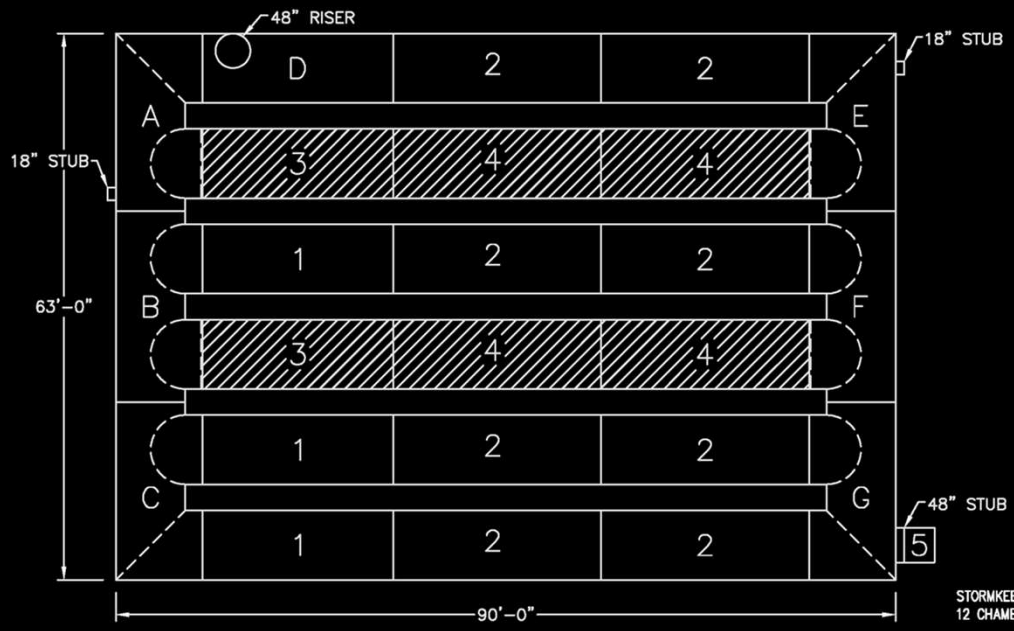

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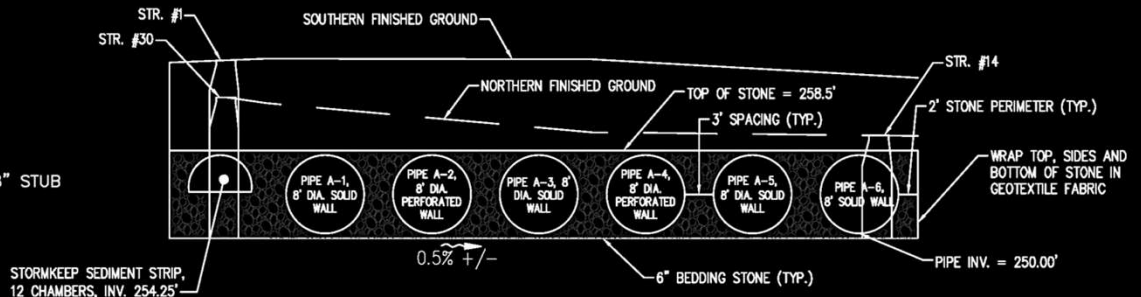

LANE

Multi-Purpose Storm Water Management System at John Rolfe Square

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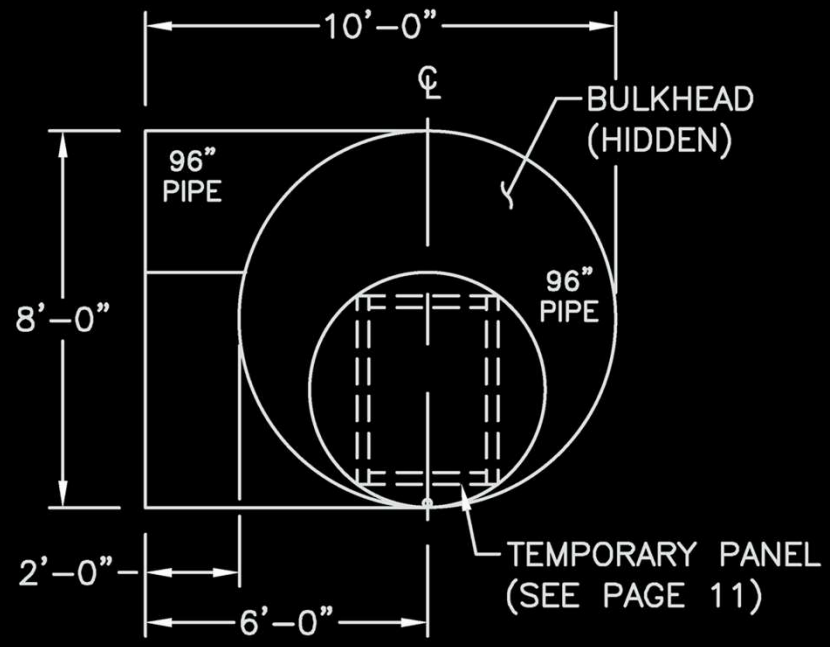
PROJECTS OF THE YEAR



Multi-Purpose Storm Water Management System at John Rolfe Square

NCSPA

STEEL: PROVEN 100-YEARS STRONG

PROJECTS OF THE YEAR

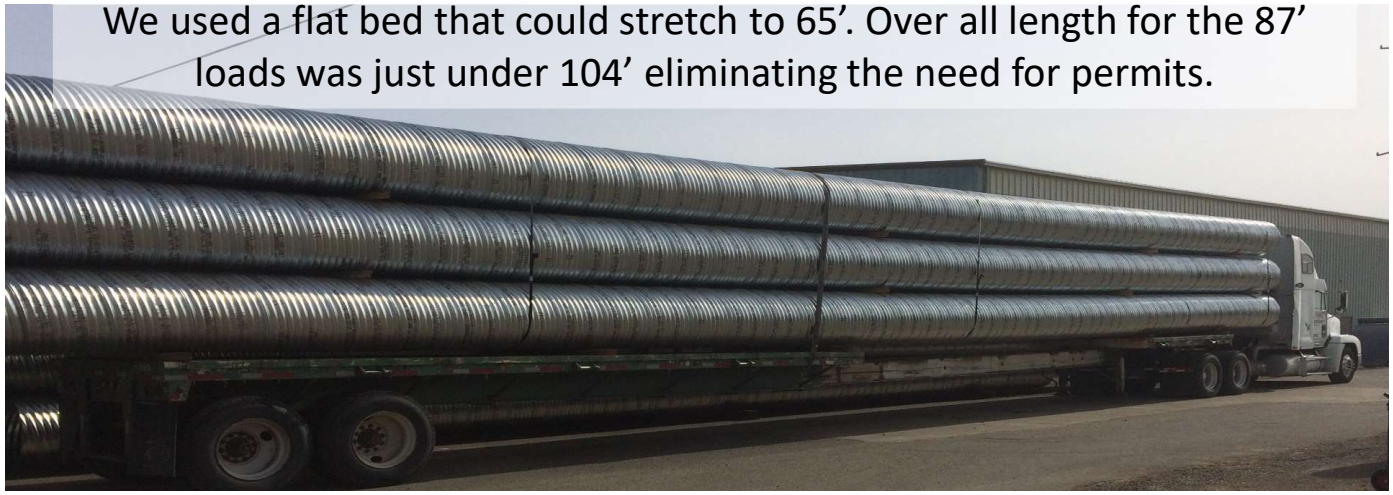
Typical Sediment Basin vs Multi-Purpose SWMS

- Install Now vs Later
- Temporary vs Permanent
- Excavated Pond vs Buried Pipe
- Filled-in Later vs Repurposed
- Lot Developed Later vs Now

PACIFIC CORRUGATED PIPE CO.®

600 Tons of 32” Galvanized CSP in Lengths from
50’ up to 87’ and Packaged in 9 Piece Bundles

We used a flat bed that could stretch to 65’. Over all length for the 87’ loads was just under 104’ eliminating the need for permits.



PACIFIC CORRUGATED PIPE CO.®

America Center was built on a former landfill site. Our pipe was used to encase 15” concrete piles which serve as a foundation for the office building and parking structure. The pipe isolated the refuse from the piles which were being driven.

PACIFIC CORRUGATED PIPE CO.®

The foundation piles were driven through our CSP all the way to bed rock, which was approximately 150’ below ground.

PACIFIC CORRUGATED PIPE CO.®

America Center Phase 2

Alviso, CA

MADE IN USA

www.pcpipe.com

TrueNorth Steel

2016 Project of the Year
Corrugated Steel Pipe and Rehabilitation Projects

Rail Road Bridge Rehabilitation – Douglas Wyoming

Corrugated Steel Pipe and Rehabilitation

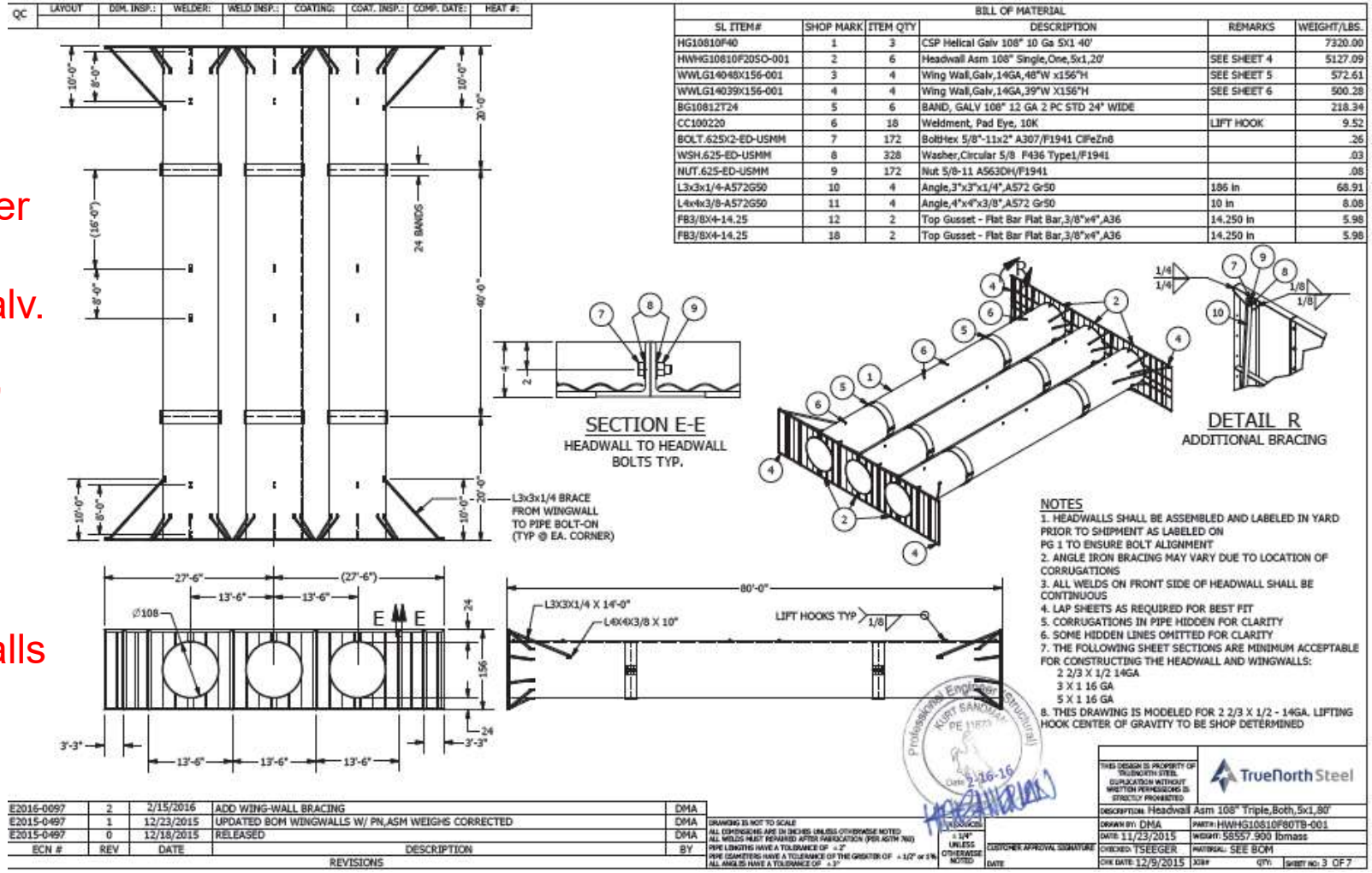
108” Diameter

10 gauge Galv.

3 runs @ 80’

5” x 1” corrugation

CSP headwalls



Rail Road Bridge Rehabilitation – Douglas Wyoming

Corrugated Steel Pipe and Rehabilitation

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