

**1. BDA-2024-05891**

301 Cedar Avenue

Allegheny Commons Park Historic District

Central Northside Neighborhood

**Norfolk Southern Pittsburgh Vertical Clearance  
Projects—W. North Avenue Bridge and Allegheny  
Commons Pedestrian Bridge**

# Norfolk Southern Pittsburgh Vertical Clearance Projects

W. North Avenue Bridge

Allegheny Commons Pedestrian Bridge

Historic Review Commission Hearing  
November 6, 2024



# Pittsburgh Vertical Clearance Projects Background

A Pennsylvania Public Utilities Commission (PUC) order requires that crossings over Norfolk Southern Railway Corporation's Ft. Wayne Line maintain a minimum of 22'-0" vertical clearance.

The ca. 1929 W. North Avenue Bridge does not meet minimum vertical clearance requirements, is structurally deficient, and is partially closed because of severe deterioration.

The Allegheny Commons Pedestrian Bridge was demolished in 2013 because of its poor condition.

## Scope of Work Overview

Norfolk Southern's Pittsburgh Vertical Clearance (PVC) Projects will replace and raise the W. North Avenue Bridge and construct a new Allegheny Commons Pedestrian Bridge at the same location as the 1906 crossing, but with increased vertical clearance. The proposed W. North Avenue and Allegheny Commons Pedestrian Bridge designs are based on extensive coordination with Pennsylvania History Code consulting parties and a Design Advisory Team (DAT) consisting of community stakeholders and preservation advocates. The proposed designs have been refined with the goal of minimizing impacts to historic properties, parkland, and trees.



# Location Map

## Location Map

1000 ft



## Legend

-  Allegheny Commons Park (City Designated Historic District Boundary)
-  Bridge Projects' Areas of Potential Effects



## Previous Design Coordination

Pennsylvania History Code: Consultation regarding avoidance, minimization, and mitigation of effects on historic properties has been conducted in accordance with Commonwealth of Pennsylvania Act No. 1978-273 (as amended as Act No. 1988-72), as codified 37 Pa.C.S. § 101 et seq.

The Pennsylvania State Historic Preservation Officer concurred with a finding of no adverse effect for the Allegheny Commons Historic District and stated that there has been adequate consideration of alternatives to avoid and minimize effects to the railroad district through the Design Advisory Team (DAT) effort [SHPO letter October 2, 2024].

# Consulting Parties

## Historic Preservation Organizations

- Pittsburgh History & Landmarks Foundation, Frank Stroker
- Preservation Pittsburgh, Matthew Falcone
- Rivers of Steel Heritage Corporation, August Carlino

## Neighborhood Organizations

- Allegheny Commons Initiative, John Augustine
- Allegheny Towne Corp. (Foster Square), George Kenderes
- Allegheny West Civic Council, Thomas Barbush
- North Side Leadership Conference, Dana Fruzynski
- Mexican War Streets Society, Margaret Connor
- Pittsburgh Parks Conservancy, Erin Tobin, Brandon Riley
- Pittsburghers for Public Transit, Alison Keating

# Consulting Parties

## Local Government

- City of Pittsburgh, Department of City Planning, Sarah Quinn, Sharon Spooner, Stephanie Joy Everette
- City of Pittsburgh, Department of Mobility and Infrastructure, Kimberly Lucas, Eric Setzler, Mike Panzitta
- Pittsburgh City Council, District 1, The Honorable Bobby Wilson

## Property Owners

- Robert and Carole Malakoff
- Annette Trunzo
- Margaret McNamara
- Todd Palcic (West Park Renaissance, LP)
- Mitchell Schwartz/Elaine Stone (Gramax, LLC)
- Rick Belloli/Doug Duerr (Q Development)
- Andrew Reichert (Birgo Realty)
- Elise and Charles Yanders (Ellyn, Inc.)
- Martin Warhola (North Side Scrap Metals, Inc.)



# Design Advisory Team (DAT) Process

Formal DAT meetings were held:

- June 14, 2023
- August 29, 2023
- March 26, 2024

# DAT Members

Allegheny City  
Society

Allegheny  
Commons Initiative

Allegheny West  
Civic Council

Birgo Realty

City of Pittsburgh –  
Department of  
City Planning

City of Pittsburgh –  
Department of  
Mobility and  
Infrastructure

City of Pittsburgh –  
Department of  
Public Works

Northside  
Leadership  
Conference

Pennsylvania  
Department of  
Transportation

Pennsylvania State  
Historic  
Preservation Office

Pittsburgh History  
& Landmarks  
Foundation

Pittsburgh Parks  
Conservancy

Pittsburghers for  
Public Transit

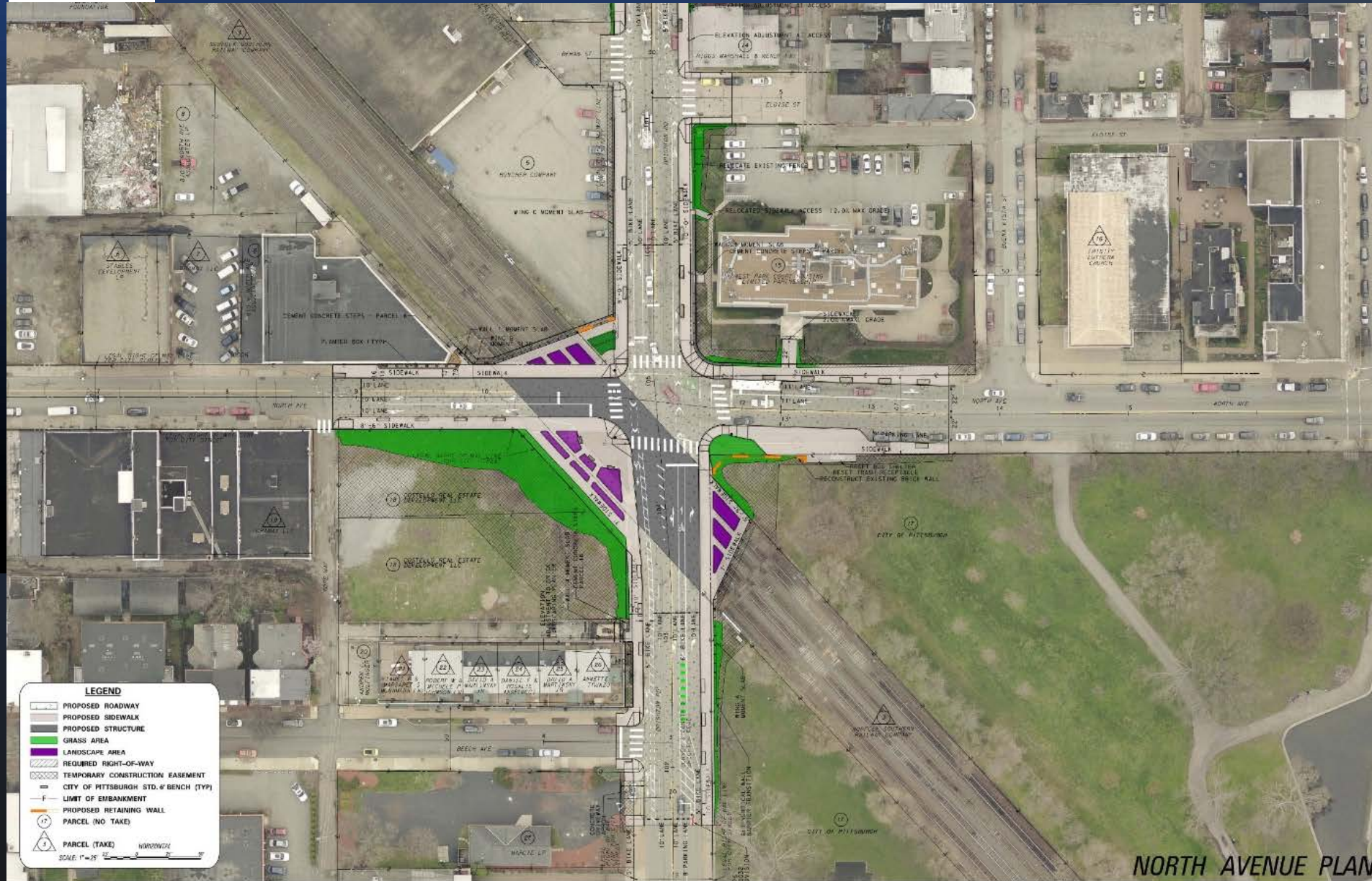
Preservation  
Pittsburgh

Q Development

Young  
Preservationists  
Association

# W. North Avenue Bridge Project

## Site Plan



NORTH AVENUE PLAN

# Project Overview

Replacement and raising of bridge superstructure with a single-span, reinforced concrete spread box beam structure.

Raising of adjacent street and sidewalk grades [approach work to extend 145' to the west and 240' to the east on W. North Avenue and 210' to the south and 340' to the north on Brighton Road]. Maximum grade on W. North Avenue will be 8.0% on the west approach and 7.15% on the east approach; maximum grade on Brighton Road will be 6.8% on the south approach and 6.0% on the north approach.

Existing lane configurations (including bike lanes) will be maintained.

# Project Overview

*(continued)*

Construction of triangular concrete plaza area over tracks within Allegheny Commons will extend ~35' east of the outside edge of the current bridge. Plaza will have natural-colored concrete with broom finish – similar to adjacent sidewalks.

Construction of wingwalls, retaining wall (replacing existing on east side of Brighton Road), fill slopes, safety barriers, and new fencing within Allegheny Commons; temporary construction easements within Allegheny Commons would be 0.114 acre.

Replacement and repair of historic fencing within Allegheny Commons. New and repaired railroad fence panels will be galvanized and painted black.

# Project Overview

*(continued)*

Replacement and grade adjustment of bus shelter (maximum 4" on west side) on W. North Avenue.

Construction of planting area in Allegheny Commons at the corner of W. North Avenue and Brighton Road.

Reconstruction of missing portions of brick park wall along W. North Avenue.

Where tall (10') safety fencing is required over the bridge, its design will match that of the historic rail corridor fencing in the park (circle-and-picket design).

# Current Photos and Renderings

*Bird's Eye  
rendering of  
proposed  
W. North Avenue  
Bridge, facing  
southeast toward  
Allegheny  
Commons.*





# Current Photos and Renderings

W. North Avenue Bridge Project



*Photo of existing  
W. North Avenue  
Bridge from track  
edge, facing  
northwest.*

# Current Photos and Renderings



*Rendering of  
proposed  
W. North Avenue  
Bridge from track  
edge, facing  
northwest.*

# Current Photos and Renderings

*Photo of existing  
W. North Avenue  
Bridge from street  
level at the  
northeast corner of  
W. North Avenue  
and Brighton Road,  
facing southeast.*



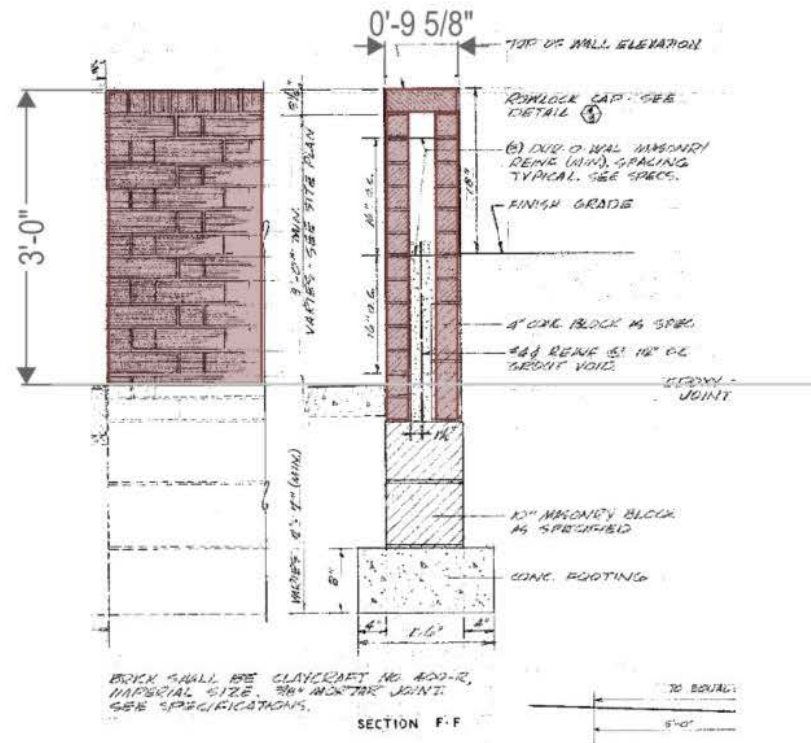
# Current Photos and Renderings

*Rendering of proposed W. North Avenue Bridge from street level at the northeast corner of W. North Avenue and Brighton Road, facing southeast. Note addition of reconstructed brick wall.*

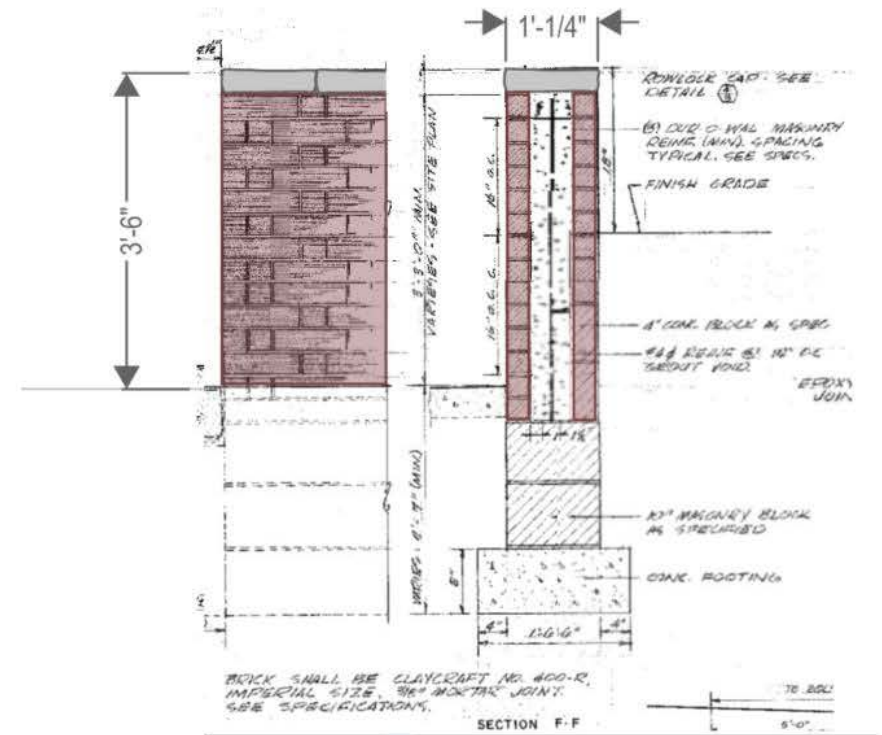


# Current Photos and Renderings

Comparison of existing and proposed elevation and section of Allegheny Commons brick wall to be reconstructed at the southeast quadrant of the Brighton Road/W. North Avenue intersection



EXISTING 36" HIGH x 9 5/8" THICK



PROPOSED 42" HIGH x 12 1/4" THICK

# Current Photos and Renderings



*Photo of existing  
W. North Avenue  
Bridge from the  
southwest corner  
of Brighton Road  
and Beech Avenue,  
facing north.*

# Current Photos and Renderings

*Rendering of proposed W. North Avenue Bridge from the southwest corner of Brighton Road and Beech Avenue, facing north; safety barrier is 19.5' long.*



# Current Photos and Renderings



*Detail of concrete panel and steel girder colors used on the W. Ohio Street Bridge.*



Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications

- Design modification to replace bridge with 21'-4" vertical clearance (per Norfolk Southern waiver); this decreases construction limits by 25' on W. North Avenue and 15' on Brighton Road.
- Reconstruction of damaged/removed portion of brick park wall along W. North Avenue utilizing concrete core construction with brick veneer.
- Construction of planters within the triangular plaza area above the railroad; planter size has been maximized while allowing for required internal and external circulation path widths [note: plaza planter construction is dependent on the City obtaining a maintenance agreement from a third party].

Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications  
*(continued)*

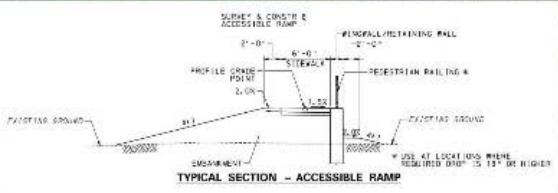
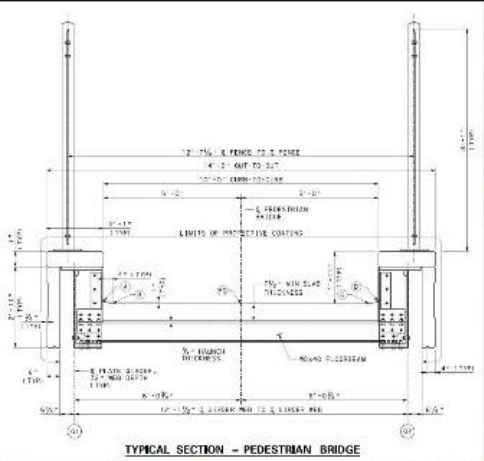
- Bridge concrete elements (except box girders) and associated concrete retaining walls and barriers will be painted to match the color of the nearby W. Ohio Street Bridge (sandstone/beige). Exposed face of outer concrete box beam will be painted dark gray (to match outer girder color on the W. Ohio Street Bridge).
- Bridge faces, retaining walls, and parapets will include recessed architectural panels (similar to those used on the 1906 pedestrian bridge and the current W. Ohio Street Bridge). Panels will be 0.75" deep with a 0.75" chamfer on all sides.

Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications  
*(continued)*

- ***Mitigation Item:*** Norfolk Southern will repair and paint the wrought-iron fencing along the south side of the rail corridor within Allegheny Commons Historic District from W. North Avenue to the Allegheny Commons Pedestrian Bridge.

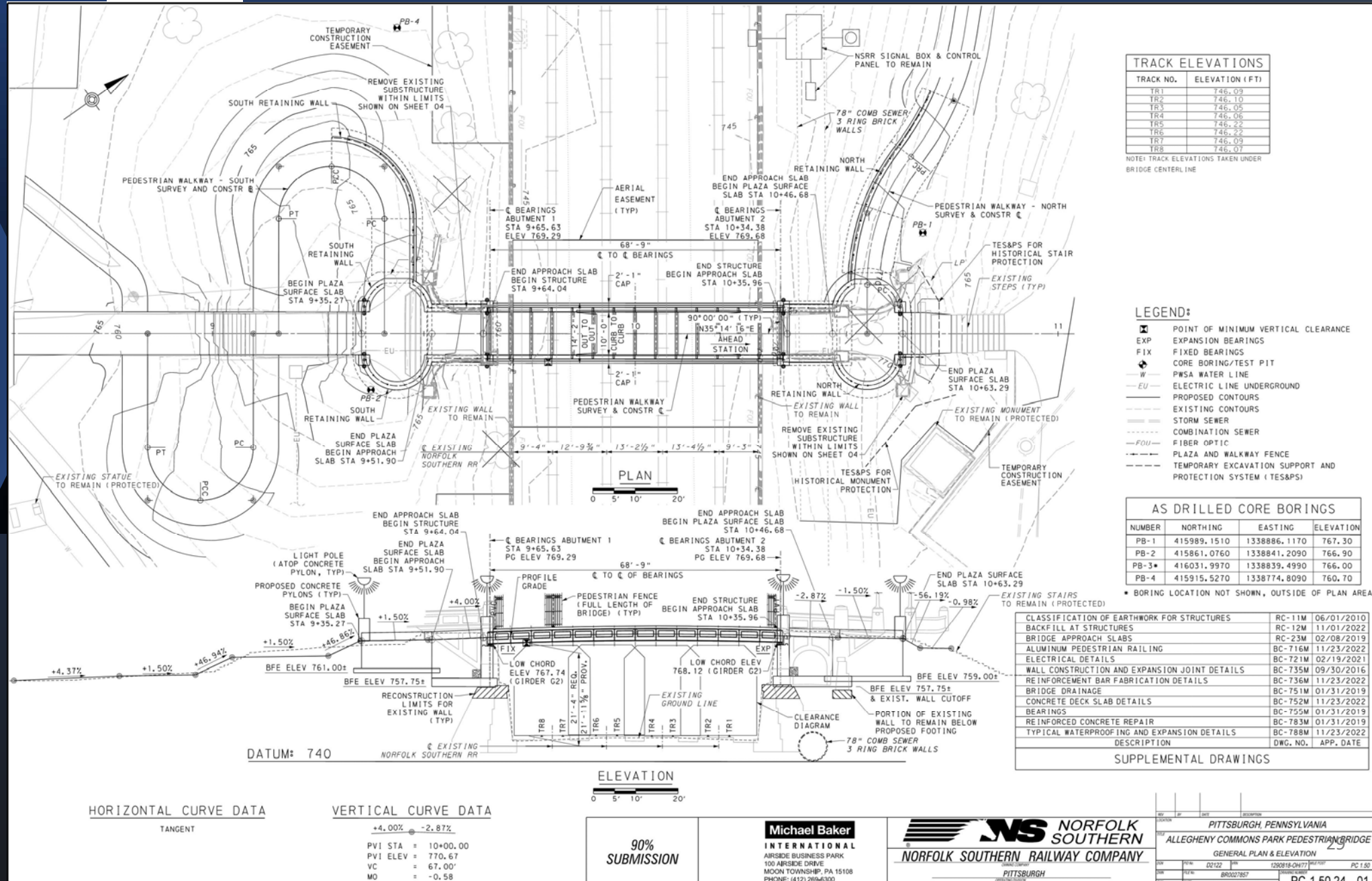
# Allegheny Commons Pedestrian Bridge Project

# Site Plan



- LEGEND**
- PROPOSED WINGWALL/RETAINING WALL
  - PROPOSED PEDESTRIAN RAILING

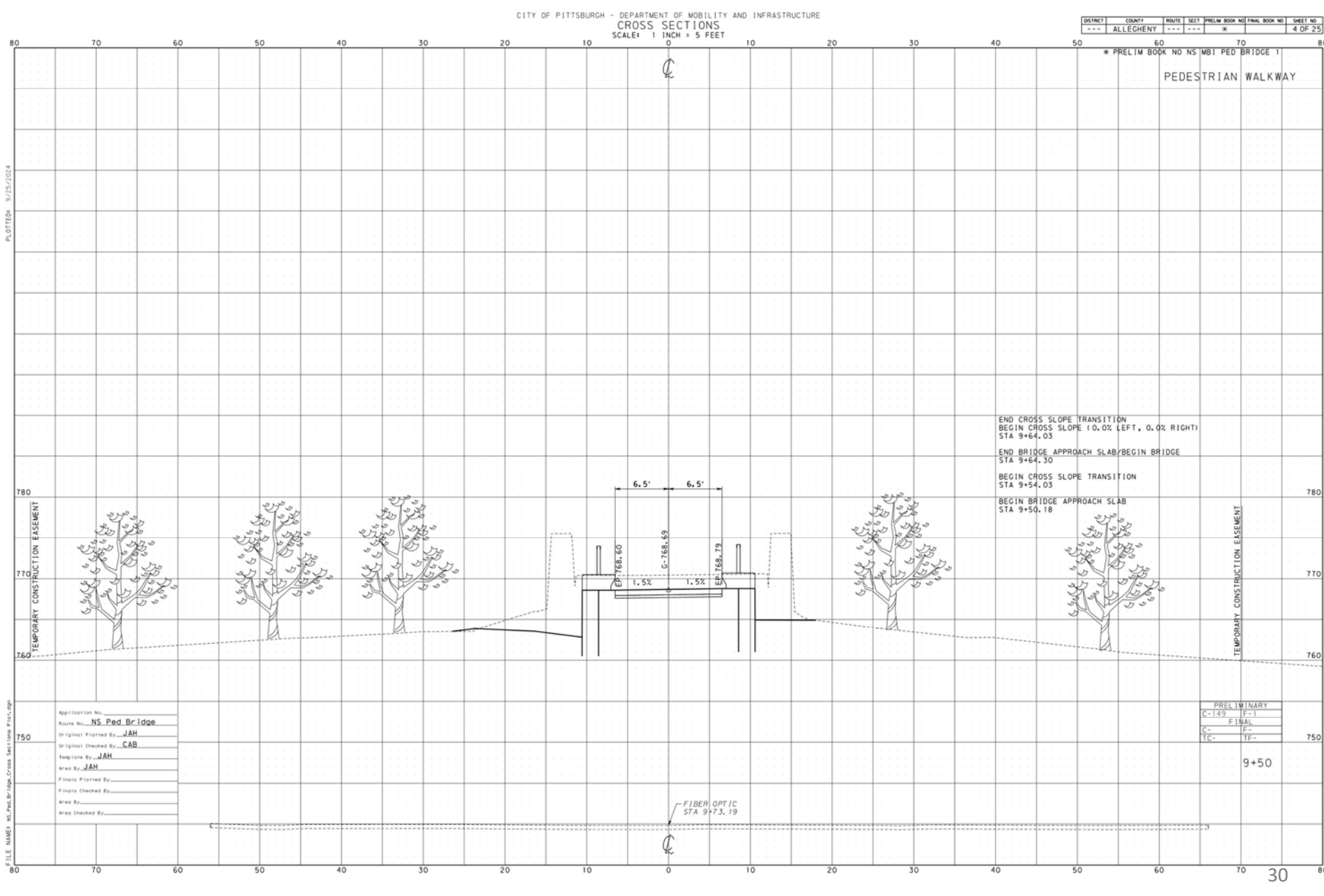
## Site Plan



General Plan and elevation.

# Allegheny Commons Pedestrian Bridge Project

## Site Plan



Cross Section.

## Project Overview

Construction of new steel, through-girder bridge superstructure with 21'-4" vertical clearance. The existing abutments will be demolished down to the level of the railroad retaining wall and replaced with new concrete cantilever abutments with spread footings. 1.093 acres of temporary construction easements are needed for construction staging and access.

Construction of new, ADA compliant, 6'-wide approach paths and new oval plaza areas at each end of the bridge. Existing path width will be matched. Concrete pavement will be used on the bridge and its plazas, and asphalt pavement will be used on approach paths (consistent with the current treatment of other park paths).



# Project Overview

*(continued)*

Existing stairs on west side of bridge will be replaced at the same location with a slightly lower elevation at the top landing to minimize impacts to the park landscape by reducing retaining wall heights and moving grading further away from trees.

Installation of new lighting.

Screening of railroad signal cabinet located 60' northwest of the pedestrian bridge location on the east side of the tracks.

# Photos and Renderings

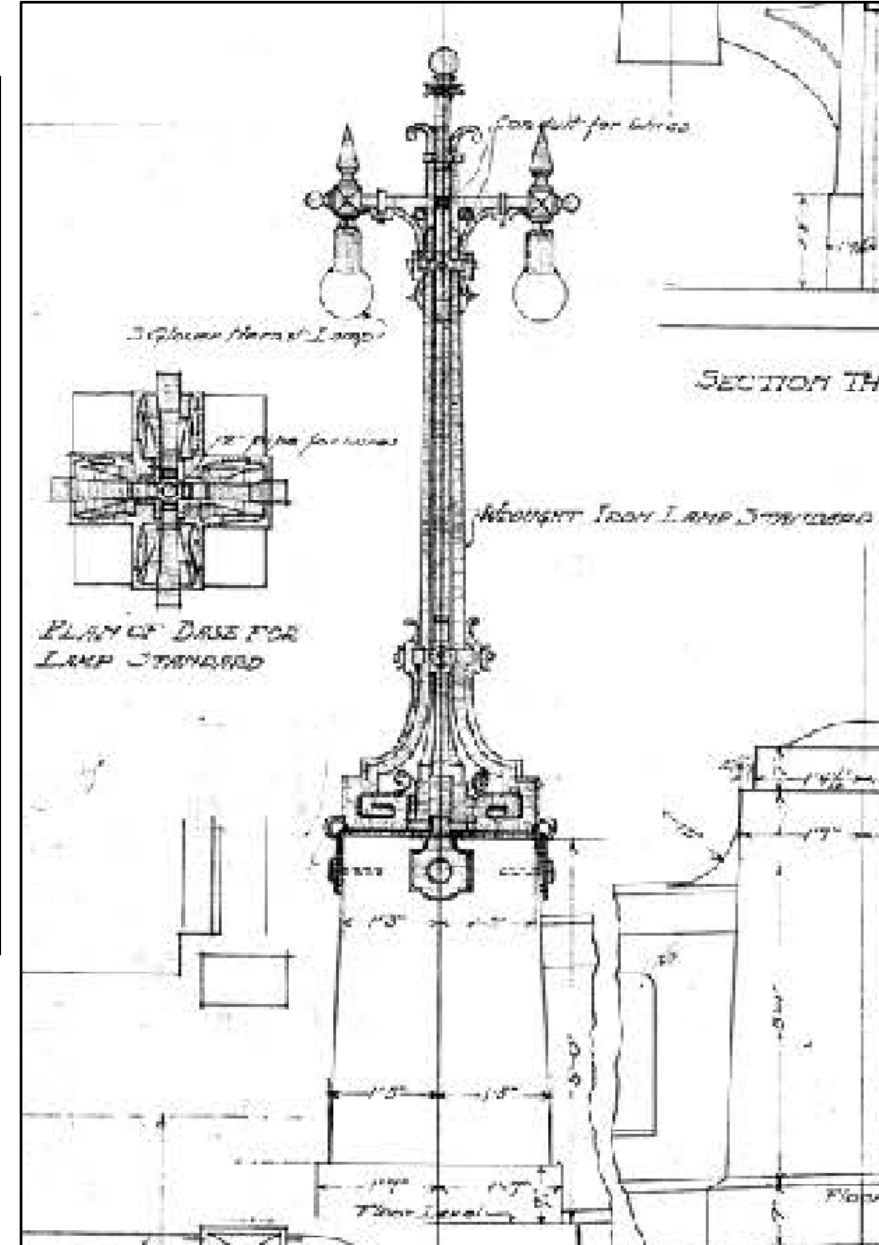
## Allegheny Commons Pedestrian Bridge Project

*Historical photograph dated July 8, 1920, showing the former poured concrete Allegheny Commons Pedestrian Bridge designed by Price & McLanahan, facing northwest (University of Pittsburgh).*



# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



Historical  
photographs and  
1906 drawing  
detail of original  
ornamental bridge  
lighting.

# Photos and Renderings

*Allegheny Commons Pedestrian Bridge Project location, showing the depressed railroad corridor with concrete retaining walls with stone coping and decorative wrought iron fencing, facing southeast.*

## Allegheny Commons Pedestrian Bridge Project



# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



*Allegheny  
Commons, view on  
east side of tracks  
showing Lake  
Elizabeth, facing  
southeast.*

# Photos and Renderings



*Detail of concrete panels on existing pedestrian bridge abutments.*

# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



*Detail of wrought-iron fencing atop retaining wall, facing southwest.*

# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



*Detail of concrete panel and steel girder colors used on the W. Ohio Street Bridge.*



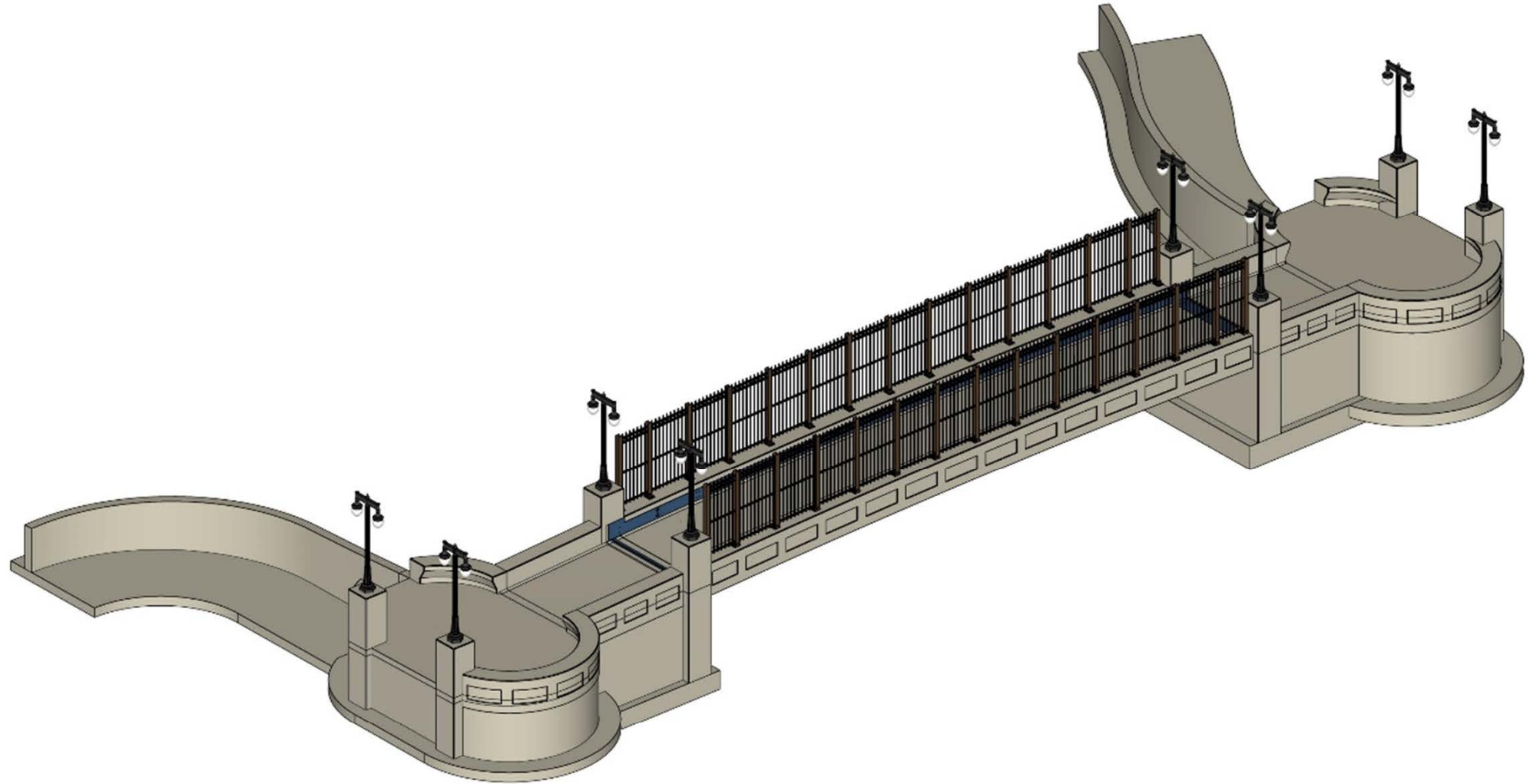
Photos and  
Renderings



*Rendering of view  
of the of the  
Allegheny  
Commons  
Pedestrian Bridge  
and signal box  
visual screening,  
facing northeast .*

# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



Rendering showing bridge and plaza configurations (note: railings in plazas and walkways are not shown).

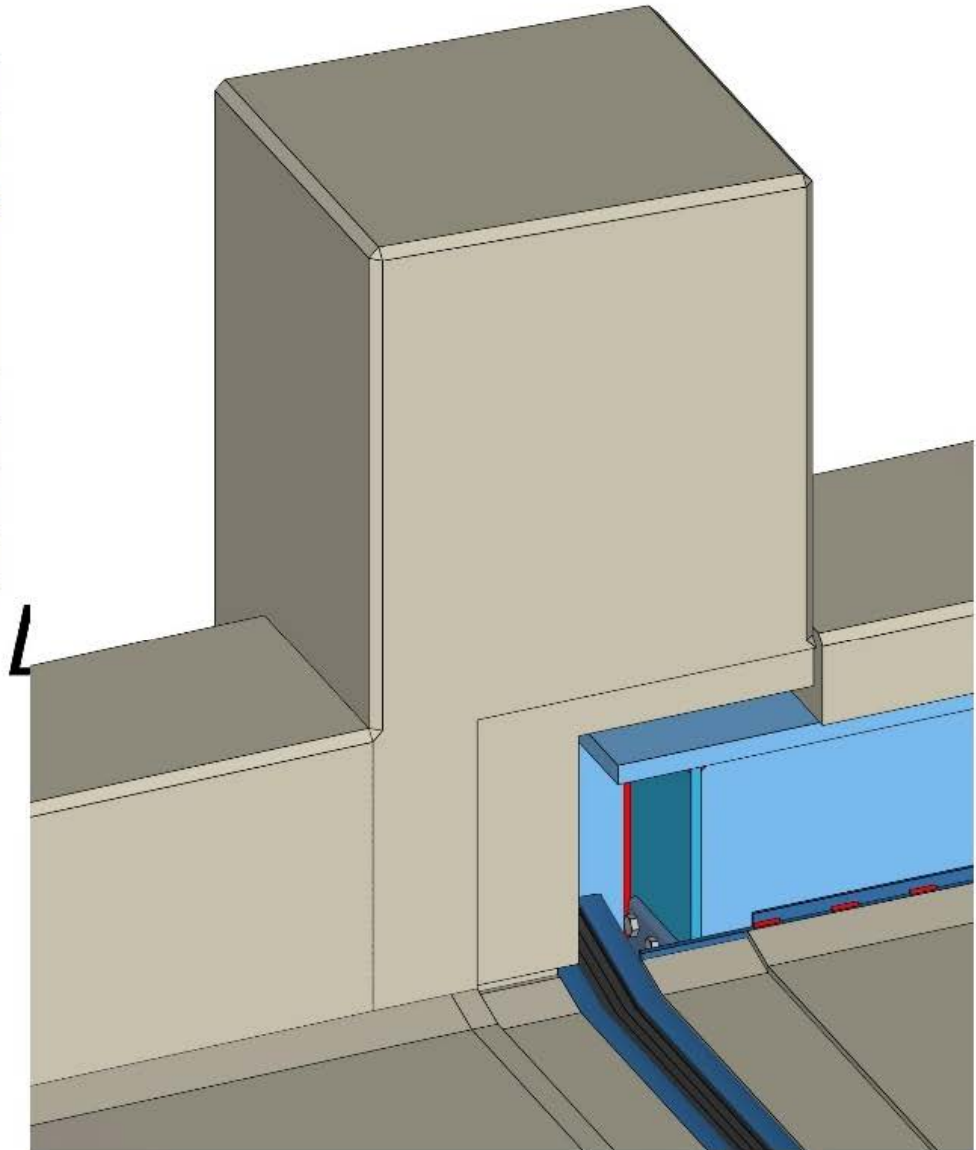
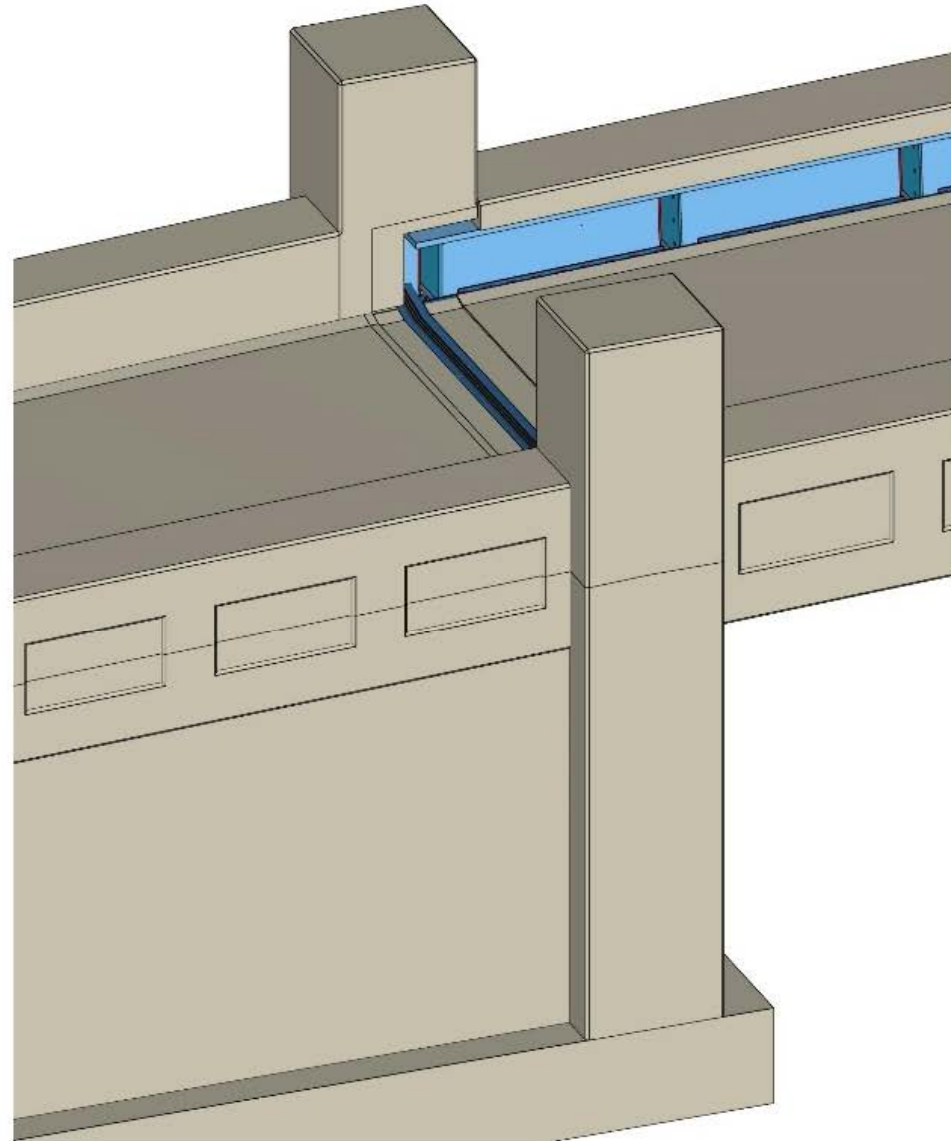
60%  
SUBMISSION

**Michael Baker**  
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100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 264-8300

**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH

DATE	NOV 11 2024	PROJECT	PITTSBURGH, PENNSYLVANIA
NO.	15024	DESCRIPTION	ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE
SCALE	AS SHOWN	DATE	MARCH 22 2024
BY	XXX	CHECKED	XXX
APP.	XXX	DATE	MARCH 22 2024
PROJECT NO.	15024	PC-1.50 24	39

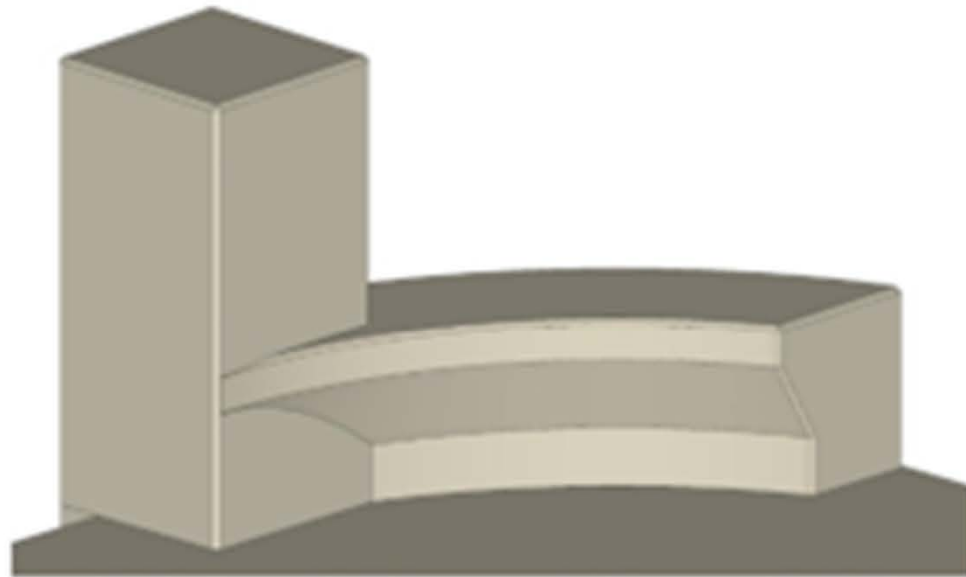
# Photos and Renderings



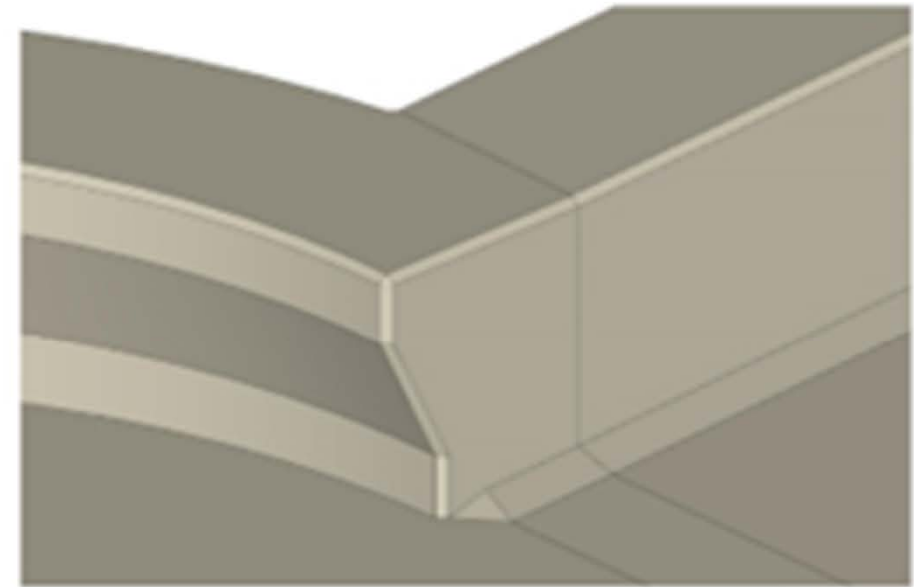
Detail of ornamental bridge pylons.

60% SUBMISSION	<b>Michael Baker</b> INTERNATIONAL ANSIE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: 724-263-4300	 <b>NORFOLK SOUTHERN</b> NORFOLK SOUTHERN RAILWAY COMPANY PITTSBURGH	DATE: 03/22/2024	BY: KAZEK	EST: 15.0000
			PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE DECORATIVE PYLON DETAILS		
			SCALE: 1/8" = 1'-0"	DATE: 03/22/2024	BY: KAZEK
			PROJECT: PC-1.50 24	NO. 40	

# Photos and Renderings



BENCH-PYLON INTERFACE  
ISOMETRIC VIEW  
NOT TO SCALE

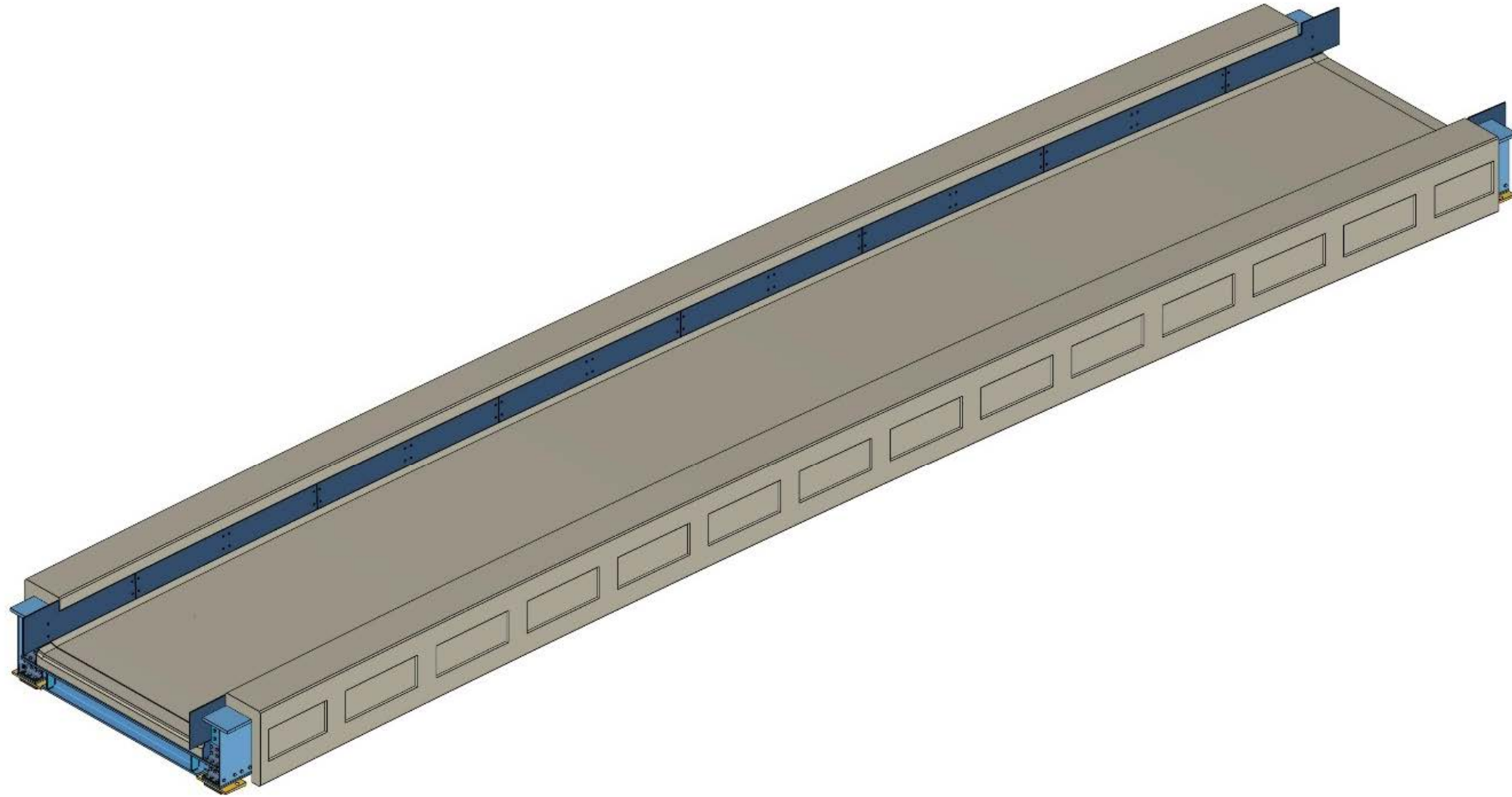


SOUTH PLAZA TO ABUTMENT 1 APPROACH SLAB INTERFACE  
ISOMETRIC VIEW  
NOT TO SCALE

*Plaza bench  
details.*

# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



*Detail of girder cover plates on deck (shown in blue for clarity; actual color to be black).*

60%  
SUBMISSION

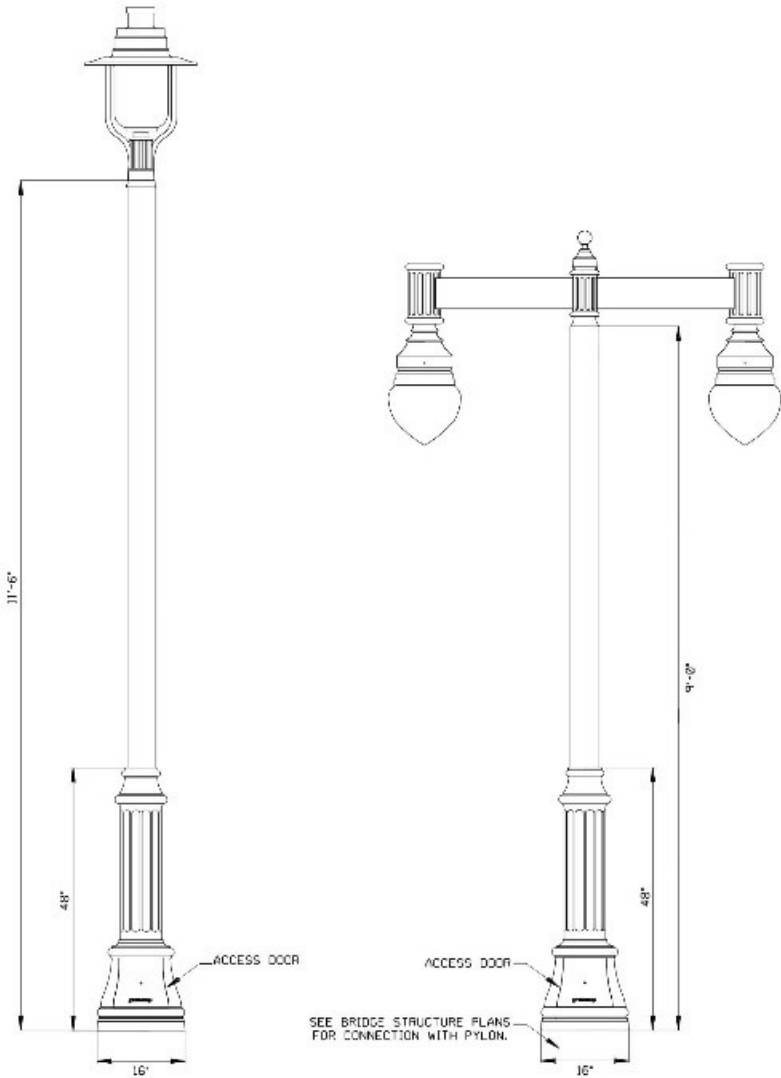
**Michael Baker**  
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ARISBE BUSINESS PARK  
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PHONE: (412) 285-4000

**NS** NORFOLK  
SOUTHERN  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH

PITTSBURGH, PENNSYLVANIA  
**COVER PLATE DETAIL**  
PC-1.50 24 40

# Photos and Renderings

# Allegheny Commons Pedestrian Bridge Project

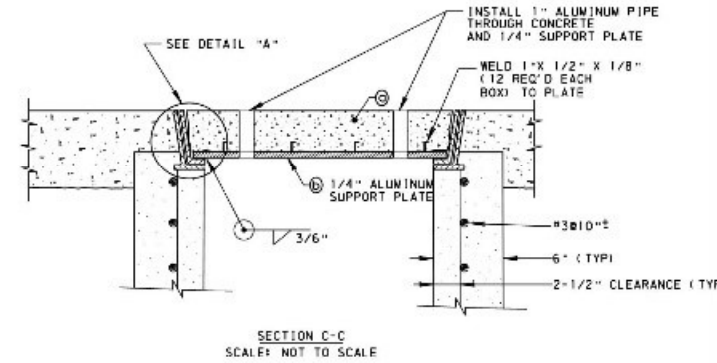
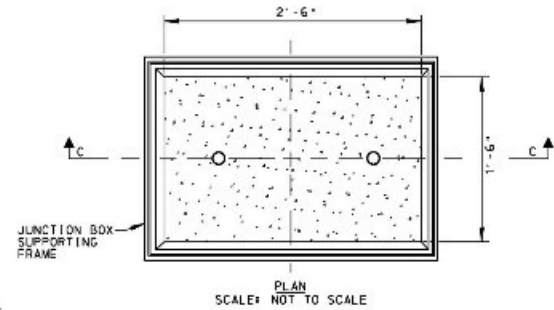
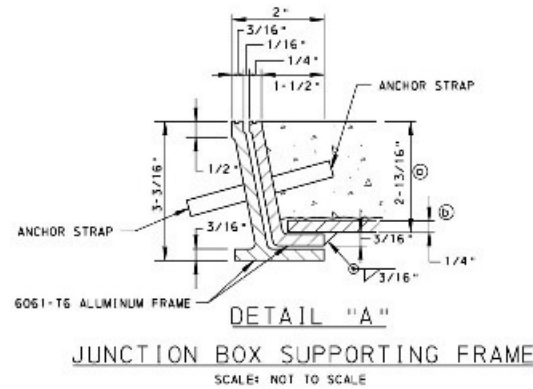


PEDESTRIAN LIGHT POLE & LUMINAIRE DETAIL

SCALE: NOT TO SCALE

BRIDGE MOUNTED LIGHT POLE & LUMINAIRE DETAIL

SCALE: NOT TO SCALE



CITY STANDARD  
CONCRETE JUNCTION BOXES J.B.-1 MODIFIED  
ITEM NO. 9000-0023

- ⓐ CONCRETE, CLASS P
- ⓑ ALUMINUM PLATE

SEE DETAIL "A", THIS SHEET, FOR JUNCTION BOX SUPPORTING FRAME DIMENSIONS.



Lighting details.

90%  
SUBMISSION

Michael Baker  
INTERNATIONAL

AIRSIDE BUSINESS PARK  
133 AIRSIDE SQUARE  
PITTSBURGH, PA 15208  
Phone: 412.253.6000

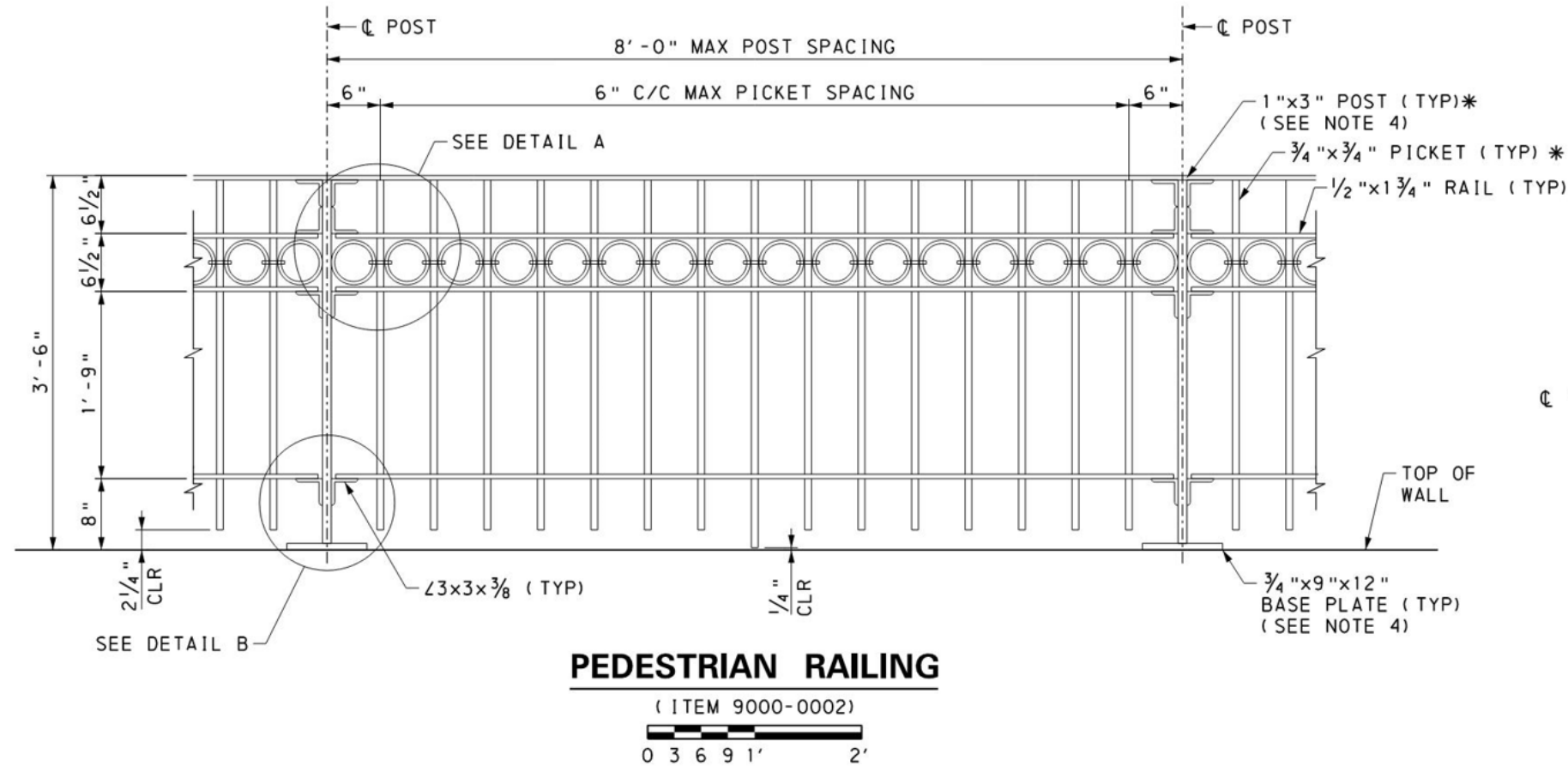
**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY

PITTSBURGH

NO.	DATE	BY	CHKD.	APP'D.	DESCRIPTION
1	01/23/2023	J. BAKER			PITTSBURGH, PENNSYLVANIA
2	02/02/2023	J. BAKER			ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE ELECTRICAL DETAILS
3	02/02/2023	J. BAKER			PC 120 24 04

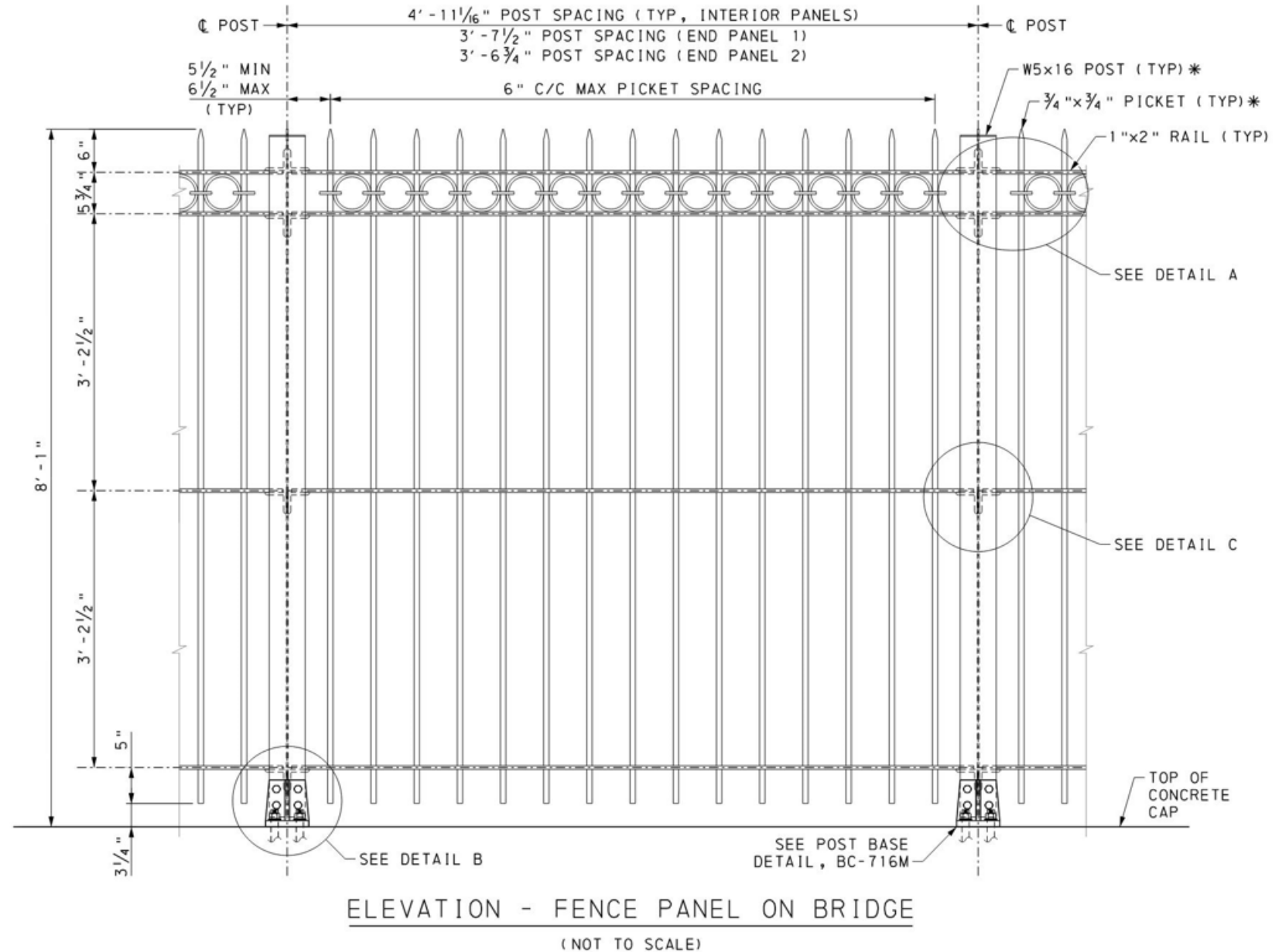
# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



Pedestrian railing detail.

# Photos and Renderings



Bridge fence details.



# Photos and Renderings

## Allegheny Commons Pedestrian Bridge Project



*Detail of proposed green vinyl wrap and screening of the signal box with American Holly (an Allegheny Commons Master Plan-approved species).*

Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications

- Bridge vertical clearance and approach path width was reduced to minimize impacts to the park, including the need for retaining walls, fill slopes, and potential tree removal. The reduction in vertical clearance also minimized the length of the ADA-accessible approach paths.
- The bridge through girders will be slightly curved to minimize the grade increase required for approach paths.
- The inner “pockets” of the through girder will be covered with a steel plate (painted black) to prevent debris accumulation on the bridge deck.

Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications  
*(continued)*

- The outside of the through girders will be covered by concrete façade panels similar to the concrete panel design used for the adjacent W. Ohio Street Bridge.
- Bridge façade panels and upper portions of the plaza walls will include recessed architectural panels (similar to those used on the 1906 pedestrian bridge and the current W. Ohio Street Bridge). Panels will be 0.75” deep with a 0.75” chamfer on all sides.
- Bridge concrete elements and associated concrete retaining walls will be painted to match the color of the nearby W. Ohio Street Bridge (sandstone/beige).

Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications  
*(continued)*

- The concrete panels and girders will be tied together by a concrete cap that would also support a decorative safety fence.
- Bridge plazas will have benches integral to the curved sections of concrete parapet walls.
- Required fences and railings will be galvanized steel painted black with a circle-and-picket design – similar to the historic railroad corridor fencing in the park.

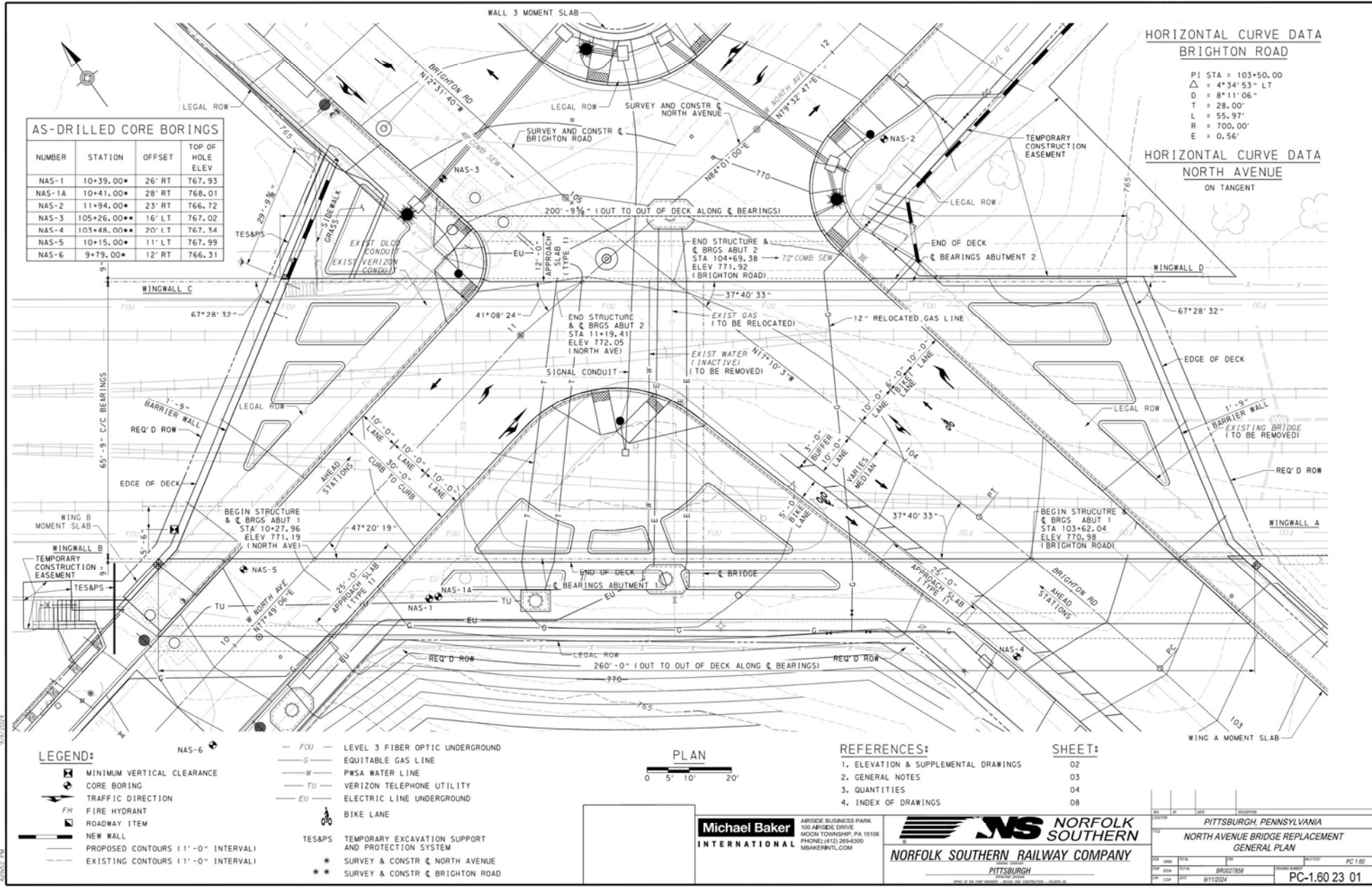
Overview of  
Context-  
Sensitive  
Design  
Measures/  
Materials  
Specifications  
*(continued)*

- Approach paths will feature Allegheny Commons standard light fixtures. Eight, double-arm pendant fixtures will be an ornamental feature at each end of the bridge (four fixtures on each side, with two at the plaza entrance and two at the bridge entrance). Ornamental lighting to be Sternberg Model 1910LED Double-Arm pendant fixture on 7700 Birmingham pole.
- The nearby railroad signal box will be screened with a green vinyl wrap and American Holly bushes.

Reference slides with project plans –  
W. North Avenue Bridge

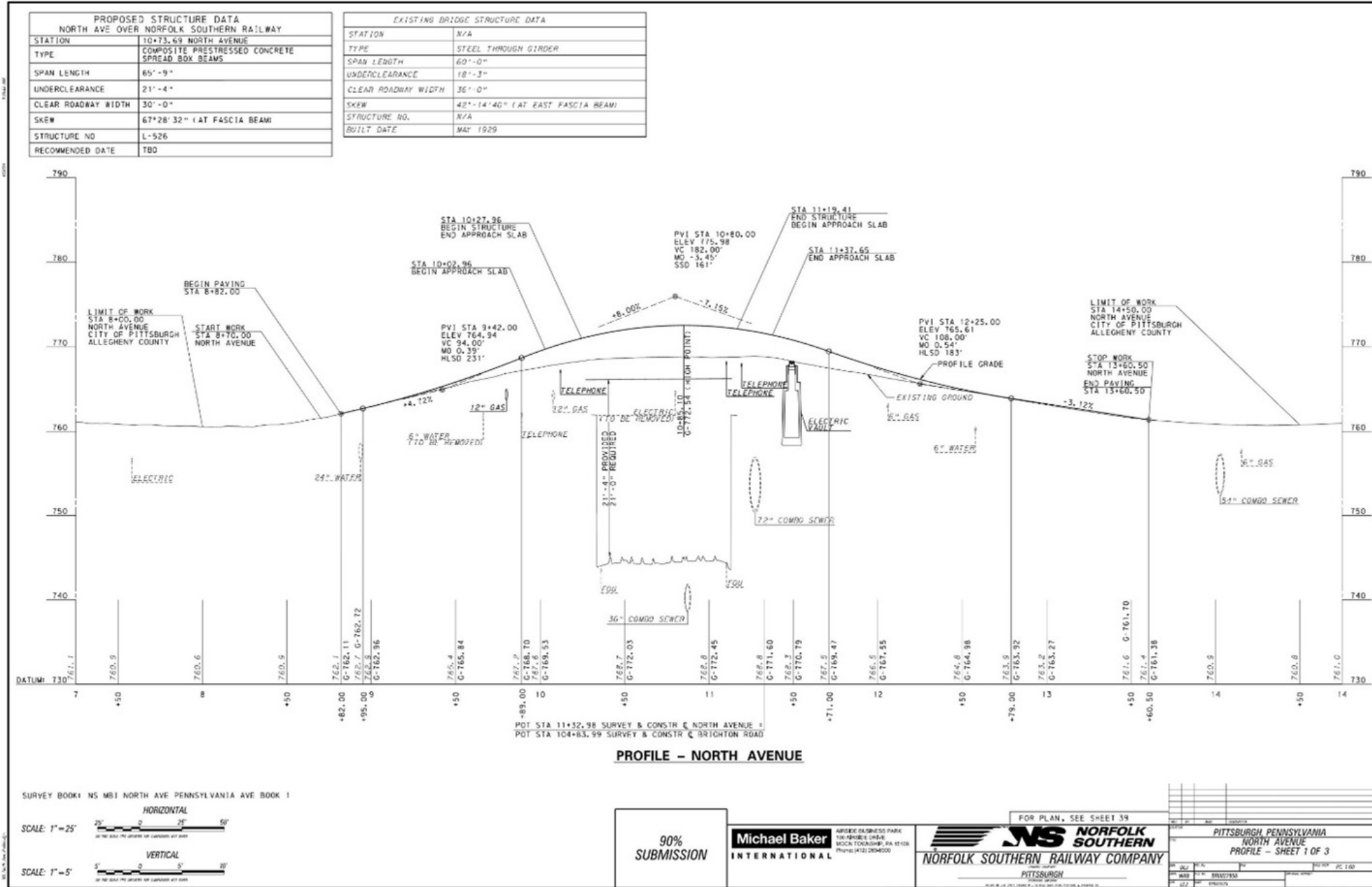
# Backup Slides and Plans

# W. North Avenue Bridge Project



# Backup Slides and Plans

## W. North Avenue Bridge Project

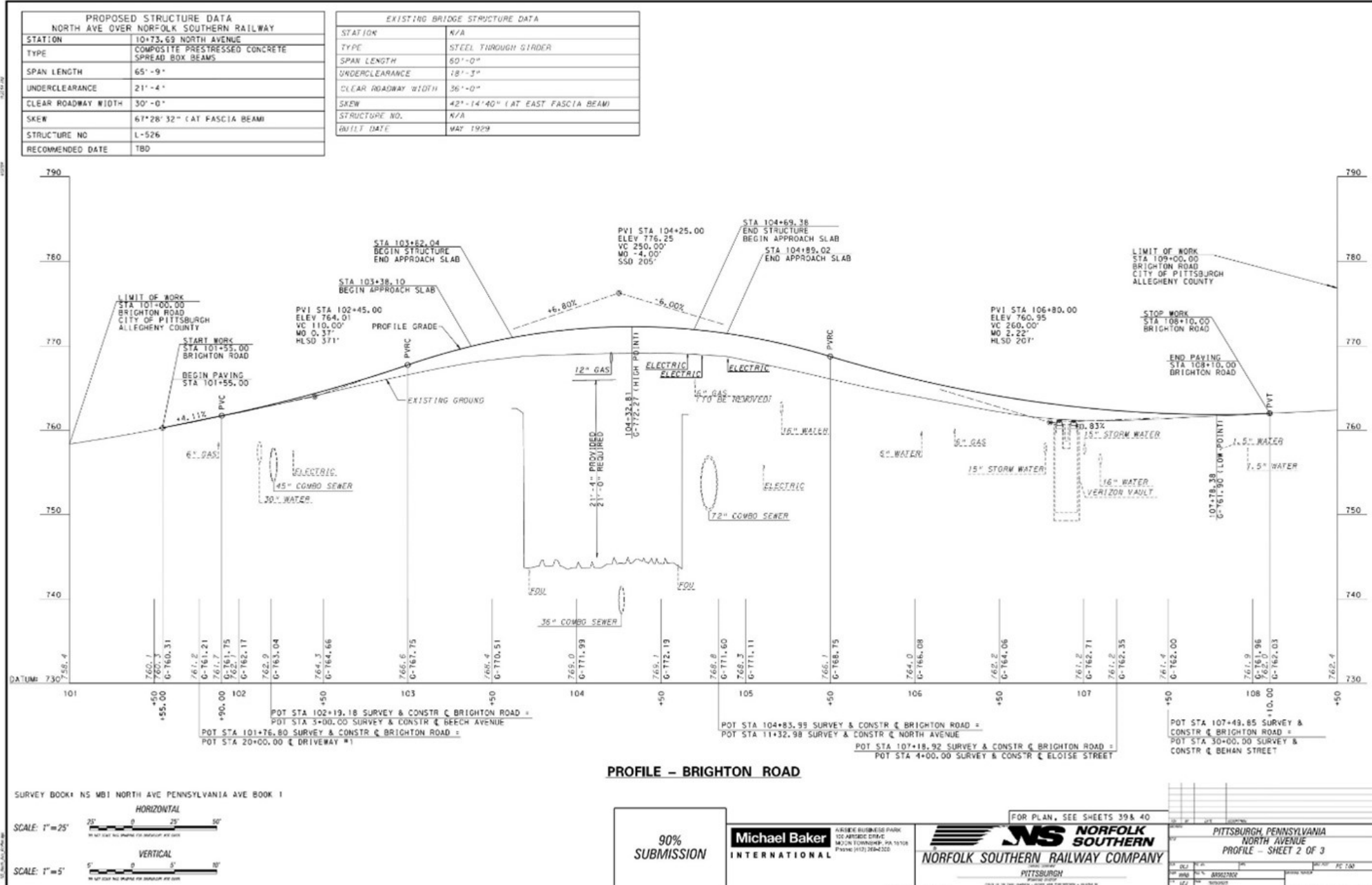


W. North Avenue profile



# Backup Slides and Plans

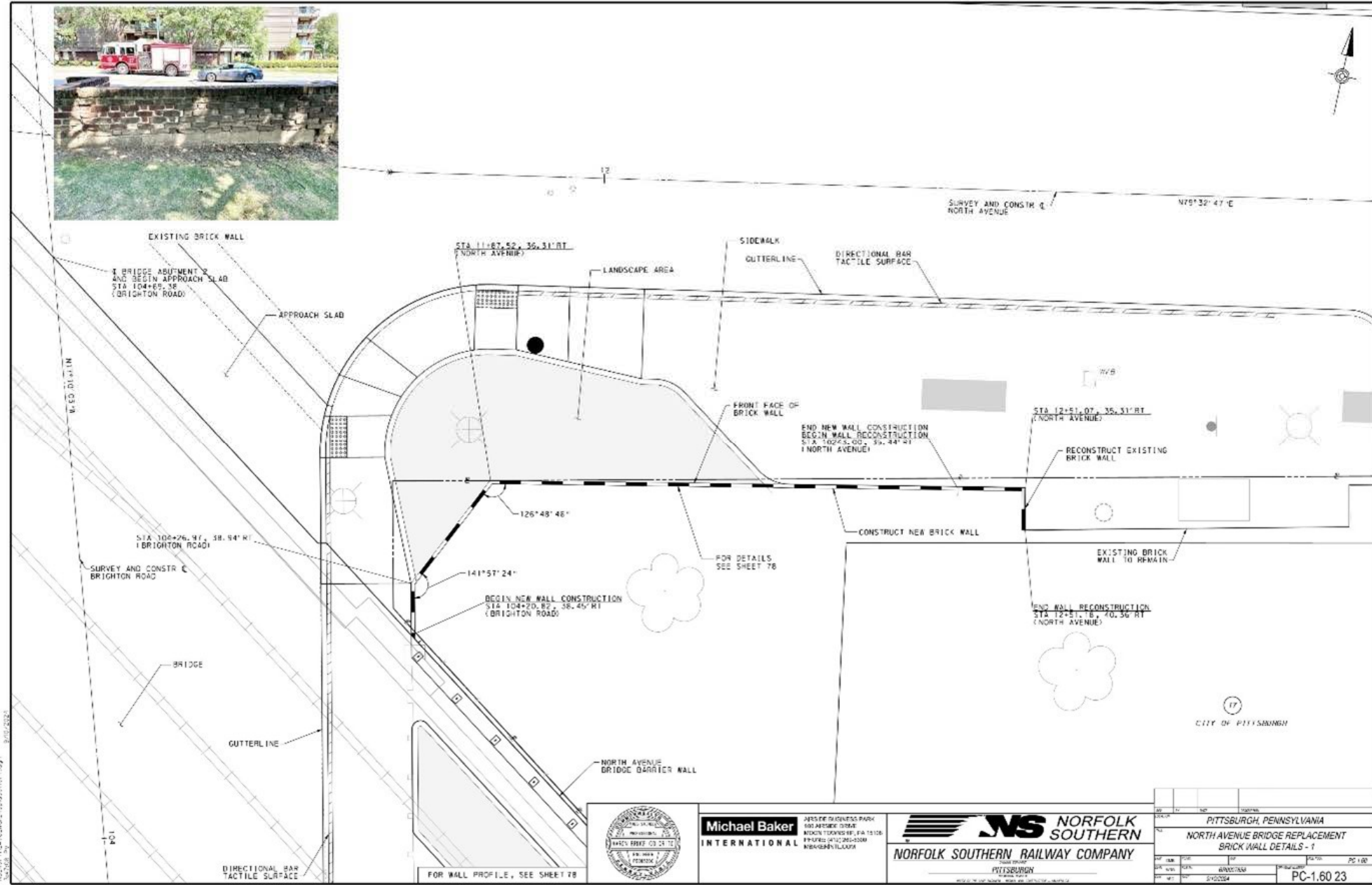
## W. North Avenue Bridge Project



Brighton Road profile

# Backup Slides and Plans

## W. North Avenue Bridge Project



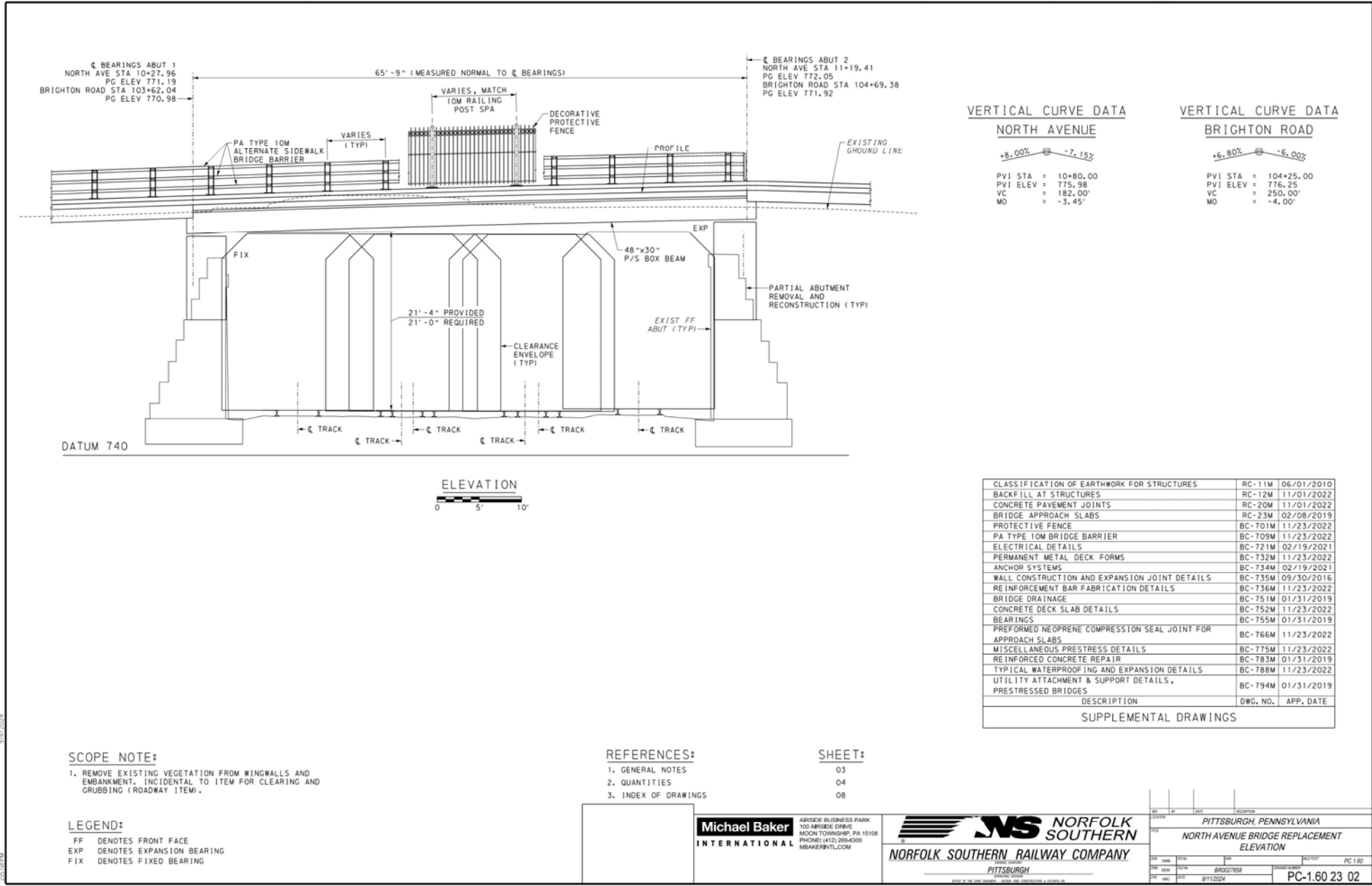
**Michael Baker INTERNATIONAL**  
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 MONROE TOWNSHIP, PA 15106  
 PH: 412.261.0500  
 INFO@BAI.COM

**NORFOLK SOUTHERN**  
**NORFOLK SOUTHERN RAILWAY COMPANY**  
 PITTSBURGH

PROJECT	PITTSBURGH, PENNSYLVANIA		
CLIENT	NORTH AVENUE BRIDGE REPLACEMENT		
DESCRIPTION	BRICK WALL DETAILS - 1		
DATE	DATE	DATE	DATE
BY	BY	BY	BY
CHKD	CHKD	CHKD	CHKD
APP'D	APP'D	APP'D	APP'D
SCALE	SCALE	SCALE	SCALE
PROJECT NO.	PROJECT NO.	PROJECT NO.	PROJECT NO.
PC 1.60	PC 1.60	PC 1.60	PC 1.60
PC-1.60 23	PC-1.60 23	PC-1.60 23	PC-1.60 23

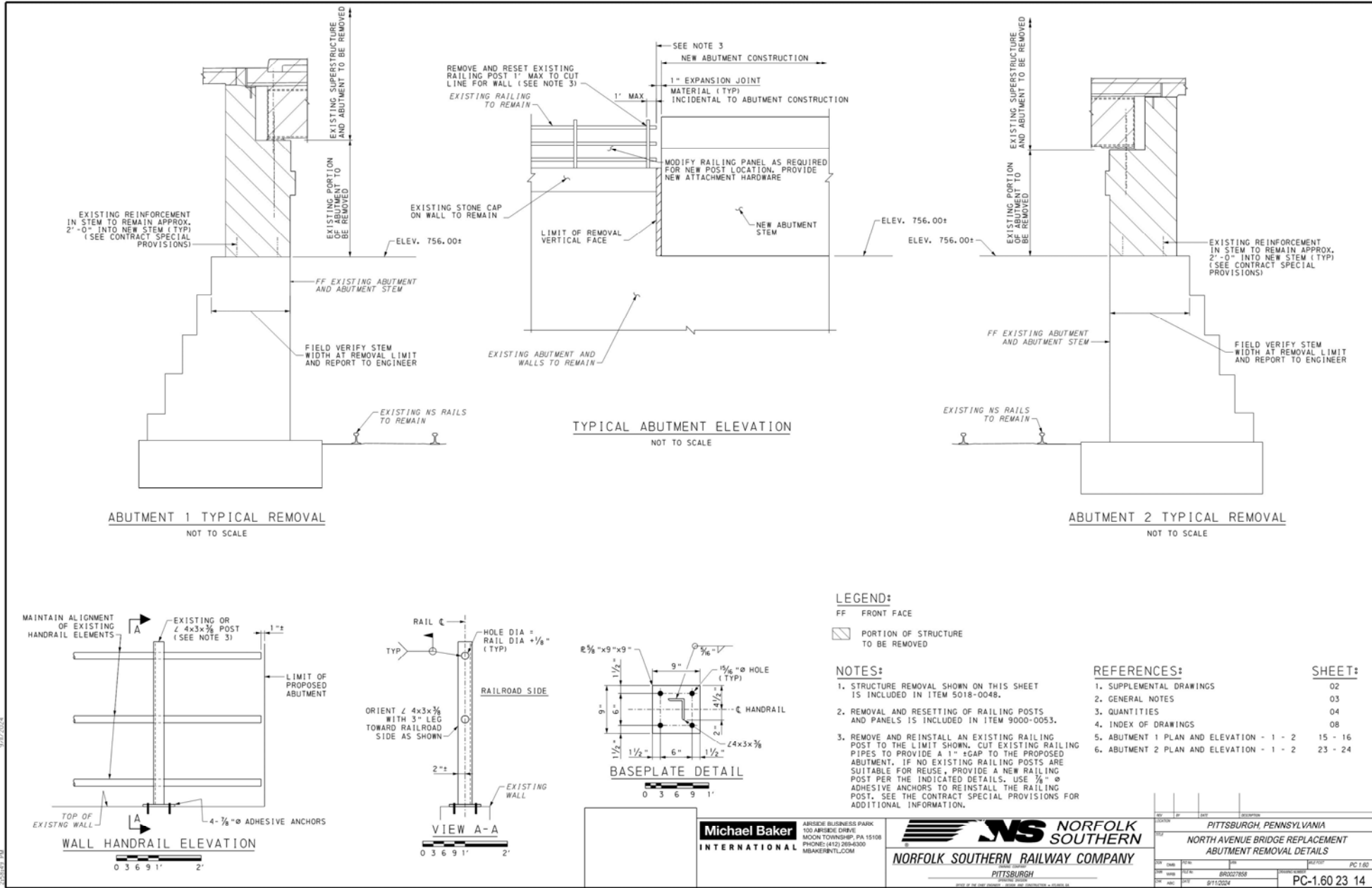
# Backup Slides and Plans

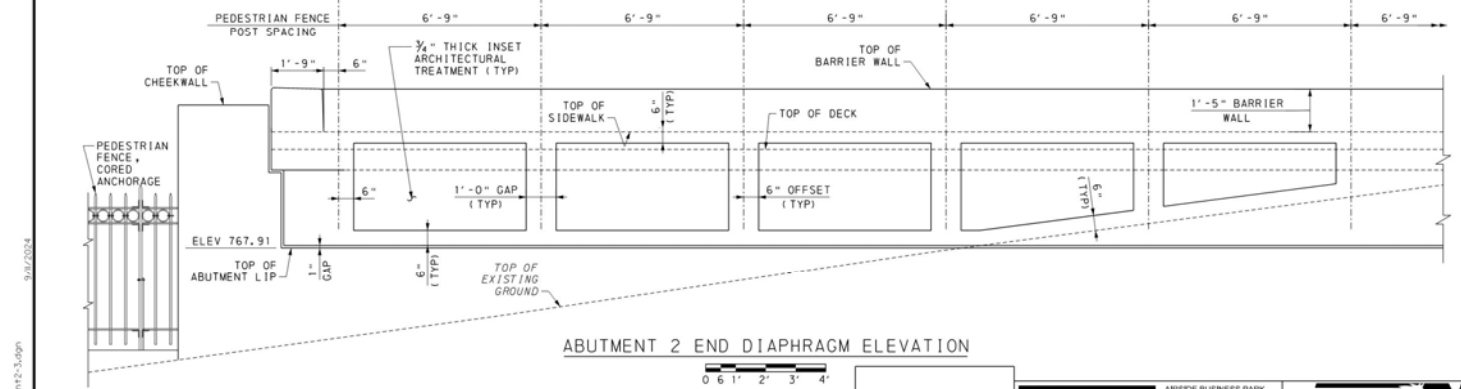
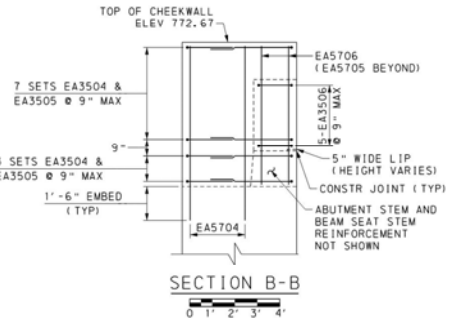
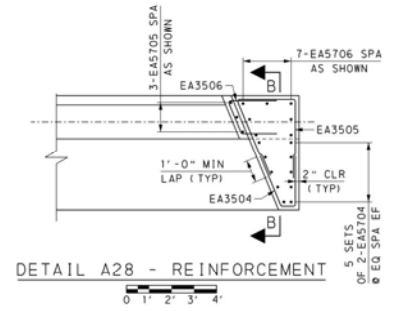
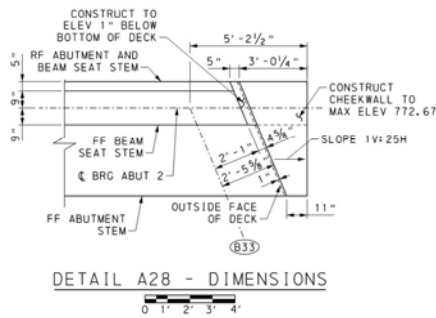
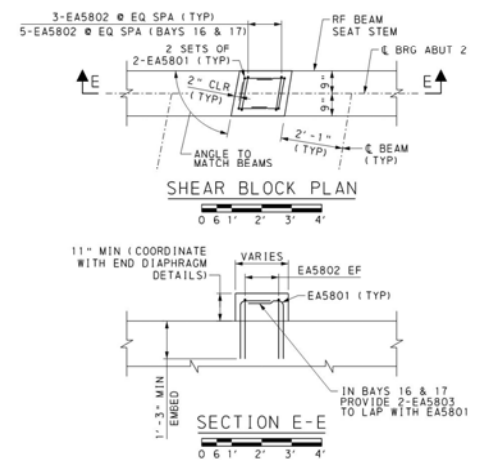
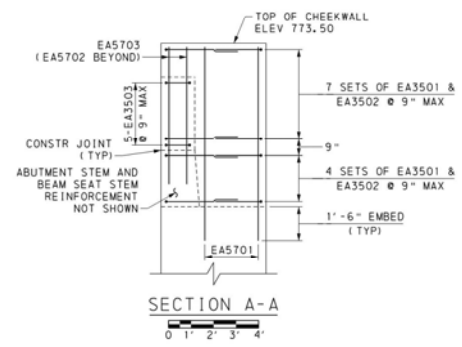
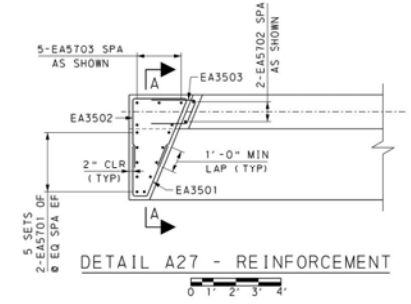
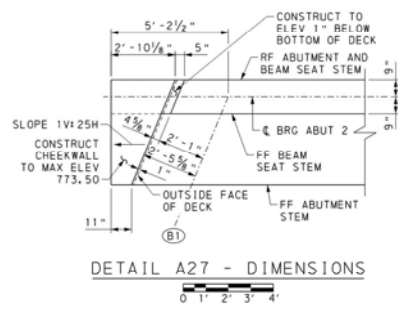
# W. North Avenue Bridge Project





# Backup Slides and Plans





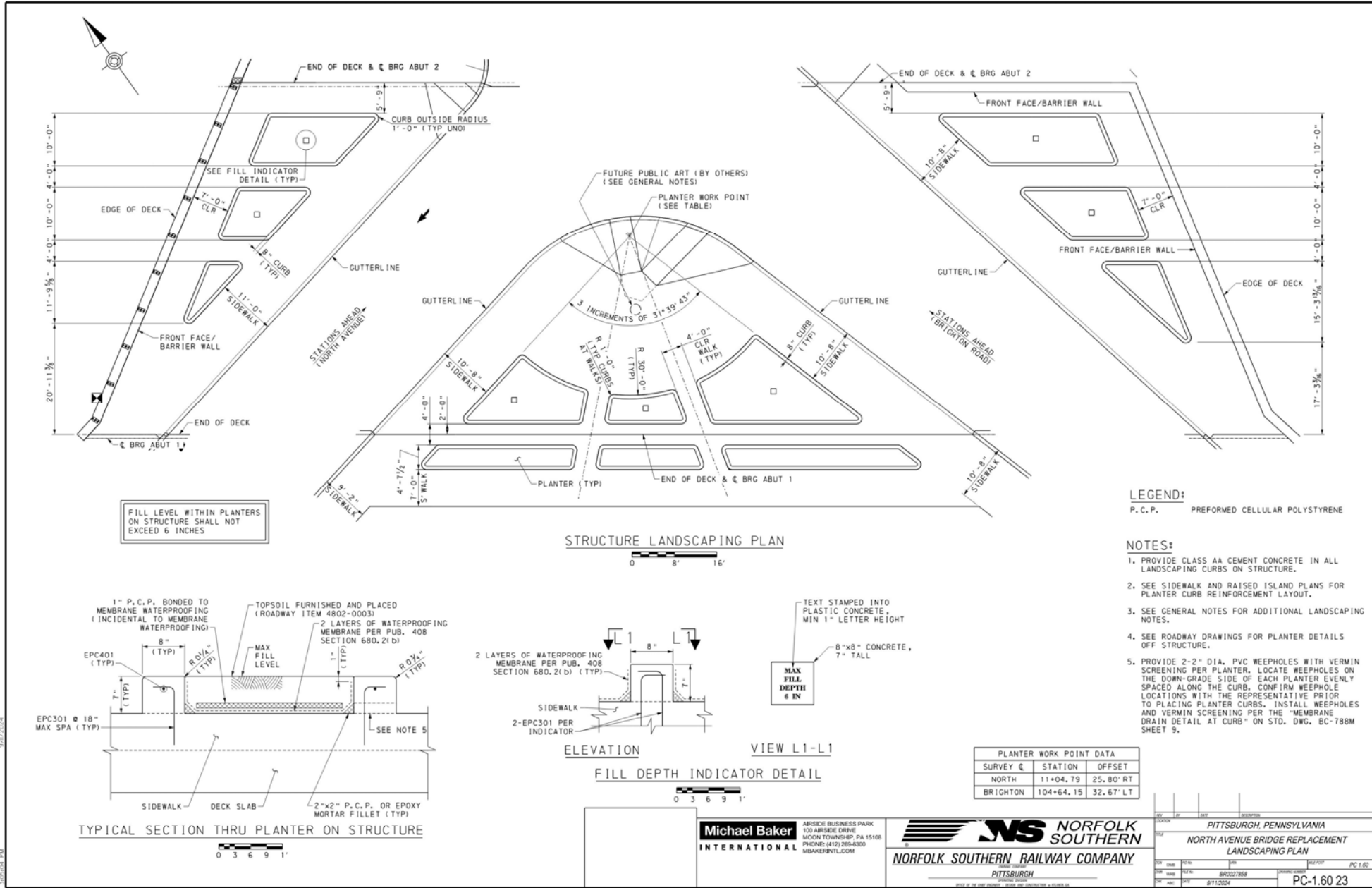
- LEGEND:**  
 FF FRONT FACE  
 RF REAR FACE  
 EF EACH FACE  
 EQ EQUAL
- NOTES:**  
 1. ALL BAR SPACINGS INDICATED ARE MAXIMUMS CENTER TO CENTER OF BARS.  
 2. SHEAR BLOCKS ARE LOCATED IN BAYS 9 - 23, INCLUSIVE.
- REFERENCES:**
- | NO. | DESCRIPTION                           | SHEET NO. |
|-----|---------------------------------------|-----------|
| 1.  | SUPPLEMENTAL DRAWINGS                 | 02        |
| 2.  | GENERAL NOTES                         | 03        |
| 3.  | QUANTITIES                            | 04        |
| 4.  | INDEX OF DRAWINGS                     | 08        |
| 5.  | ABUTMENT 2 PLAN AND ELEVATION - 1 - 2 | 23 - 24   |
| 6.  | ABUTMENT 2 SECTIONS - 1 - 3           | 25 - 27   |
| 7.  | ABUTMENT 2 REINFORCING SCHEDULE       | 29        |

NS-North-Abutment2-3.dgn  
 8/27/2024  
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<b>Michael Baker INTERNATIONAL</b> ARSIDE BUSINESS PARK 100 ARSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 263-6300 MBASERVICES.COM	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> PITTSBURGH	SHEET NO. 28 OF 83
		PROJECT: PITTSBURGH, PENNSYLVANIA NORTH AVENUE BRIDGE REPLACEMENT ABUTMENT 2 DETAILS DATE: 8/27/24 DRAWN BY: BR327858 CHECKED BY: 8/11/2024 SHEET NO. 28 OF 83

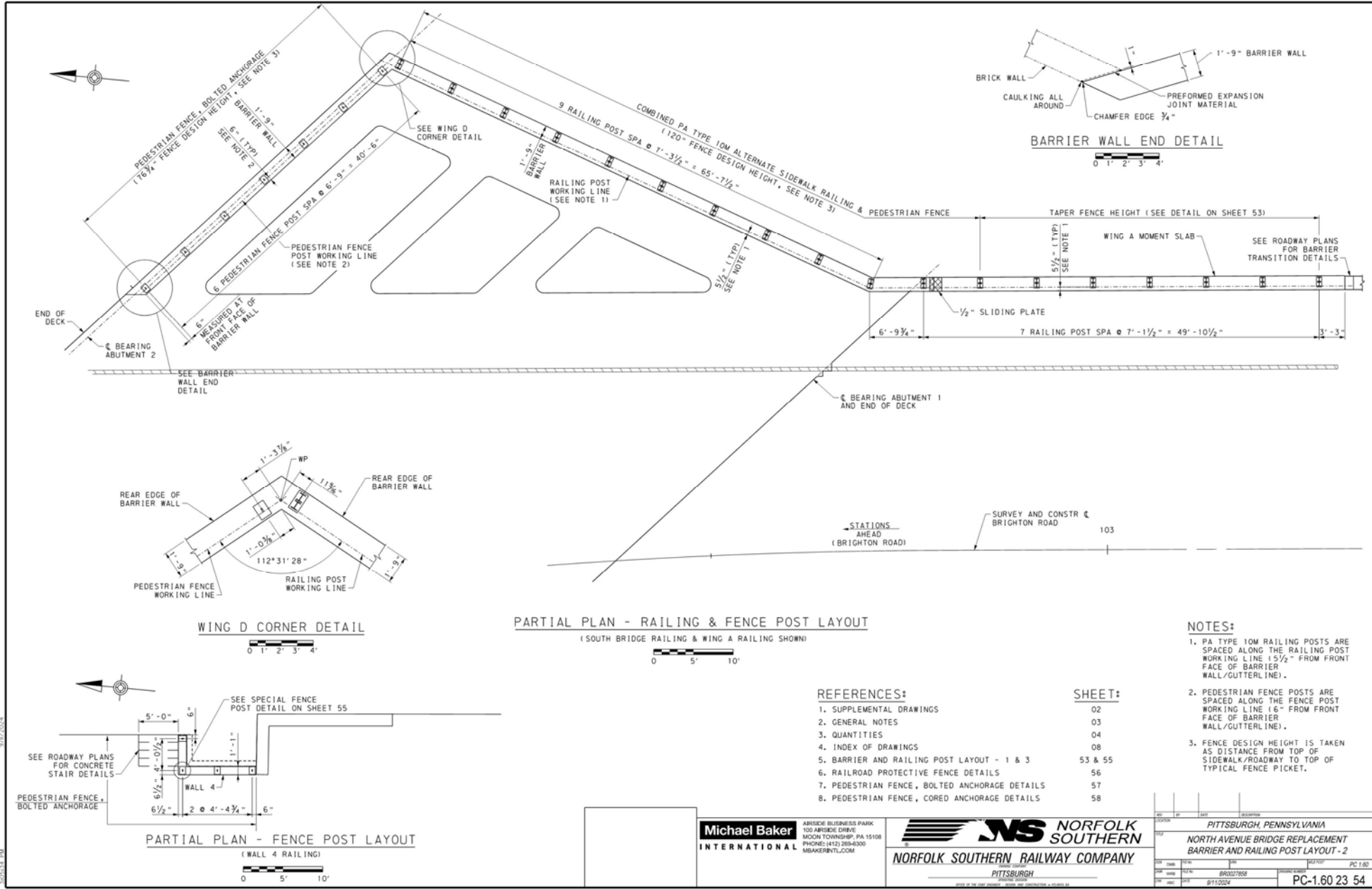
# Backup Slides and Plans

# W. North Avenue Bridge Project



# Backup Slides and Plans

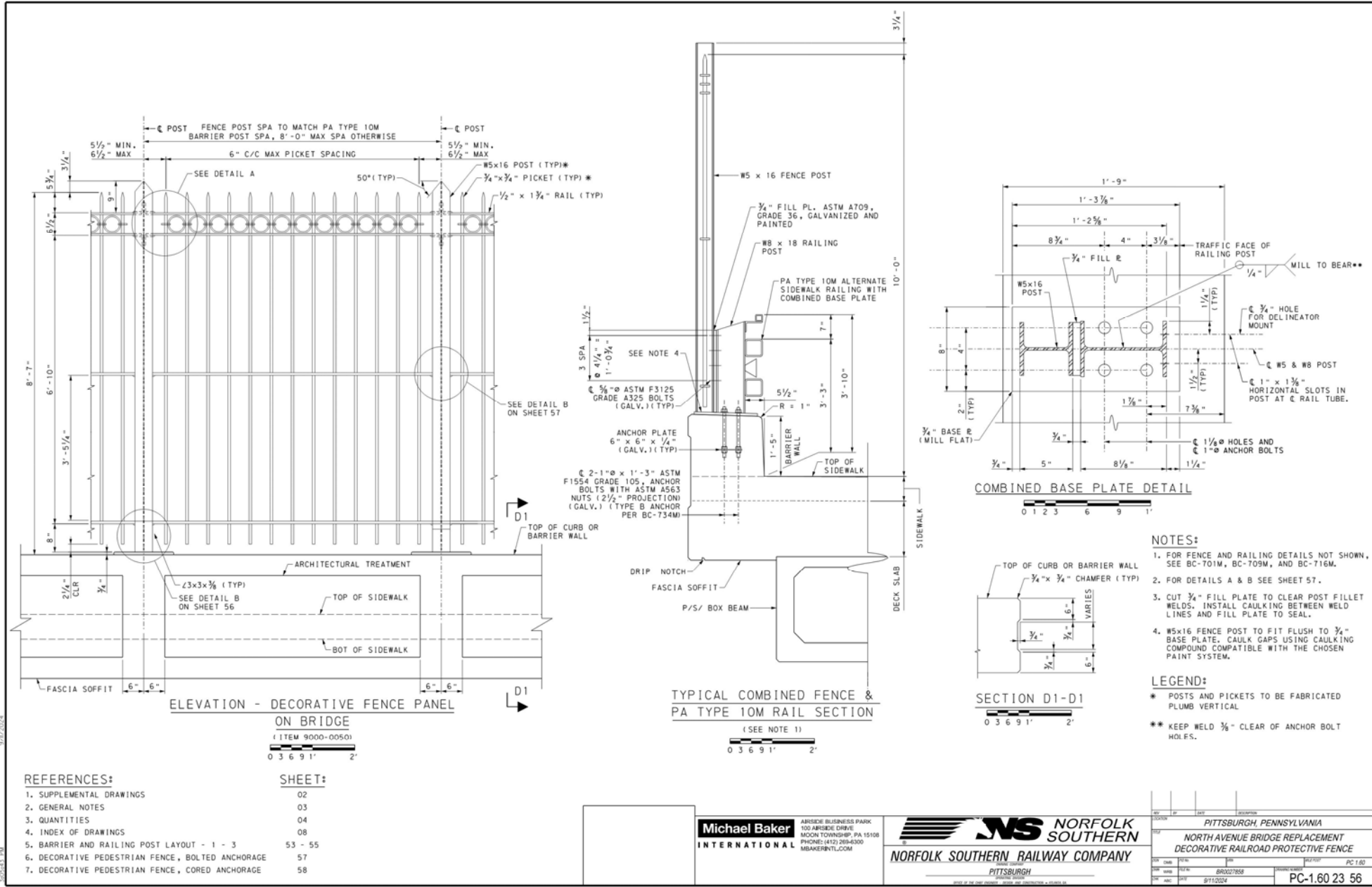
# W. North Avenue Bridge Project





# Backup Slides and Plans

# W. North Avenue Bridge Project



NS-Norfolk\_meca.dgn  
9/12/2024

**Michael Baker INTERNATIONAL**

ARRSIDE BUSINESS PARK  
100 ARRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 269-6300  
MBANKERS@MB.COM

**NS NORFOLK SOUTHERN**

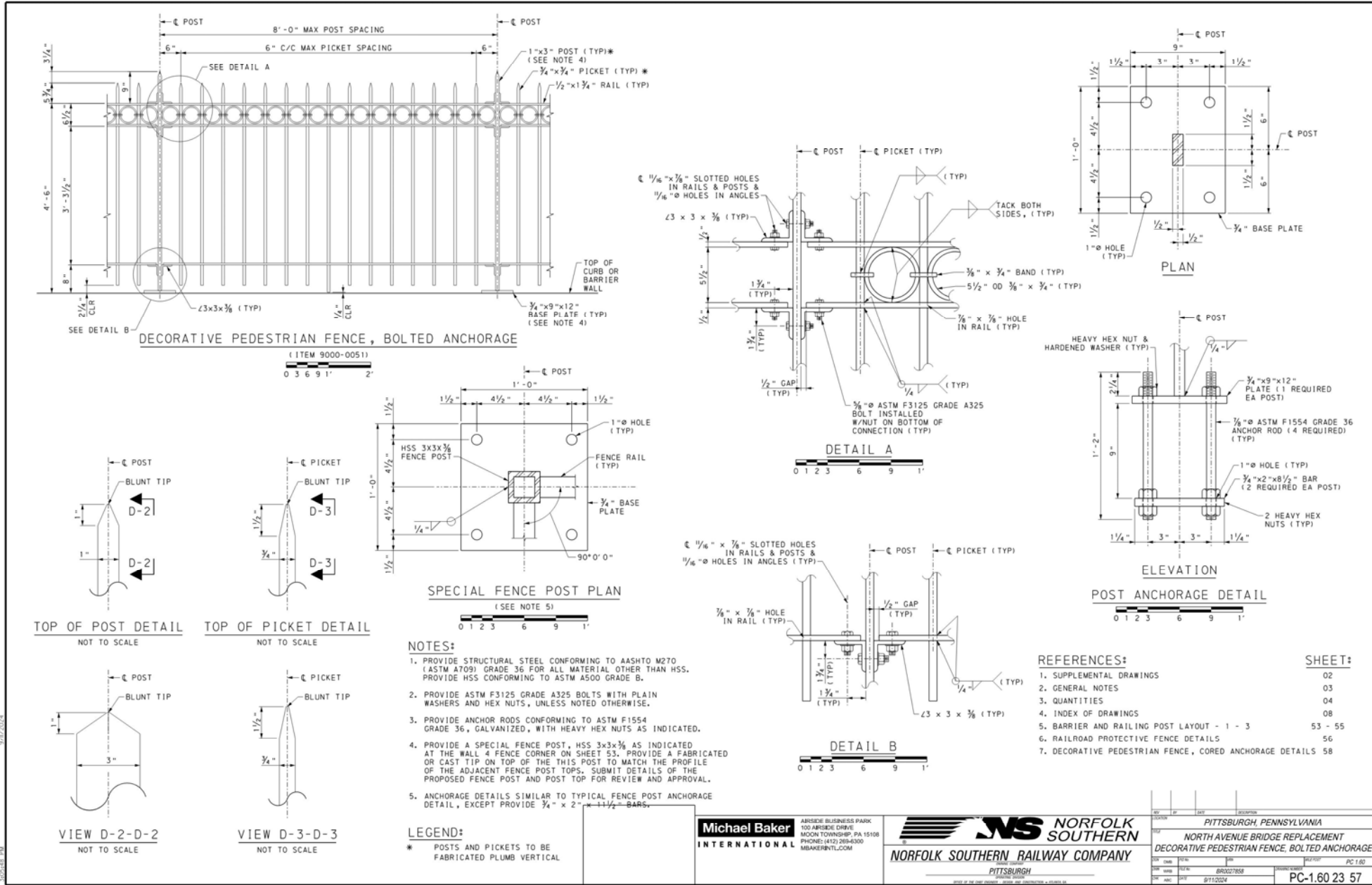
**NORFOLK SOUTHERN RAILWAY COMPANY**

PITTSBURGH

NO.	DATE	BY	DESCRIPTION
1			PITTSBURGH, PENNSYLVANIA
2			NORTH AVENUE BRIDGE REPLACEMENT DECORATIVE RAILROAD PROTECTIVE FENCE
3			PC-1.60
4			PC-1.60 23 56

SHEET NO. 56 OF 83

# Backup Slides and Plans



NS-Norfolk\_fence2.dgn  
8/17/2024

**Michael Baker**  
INTERNATIONAL

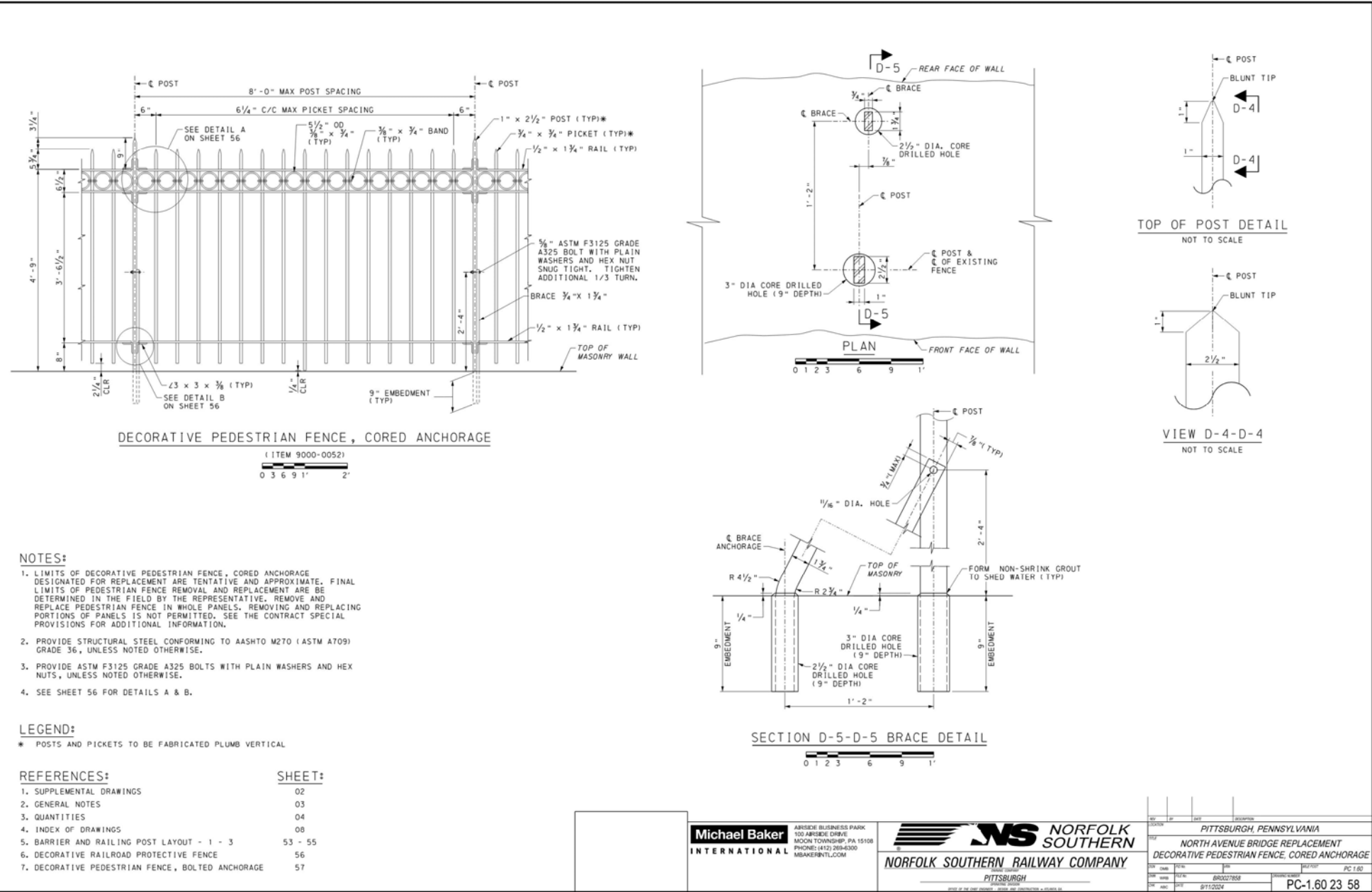
**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY

REV	DATE	BY	DESCRIPTION
01			PITTSBURGH, PENNSYLVANIA
02			NORTH AVENUE BRIDGE REPLACEMENT
03			DECORATIVE PEDESTRIAN FENCE, BOLTED ANCHORAGE
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PC-1.60 23 57  
SHEET NO. 57 OF 83

# Backup Slides and Plans

# W. North Avenue Bridge Project



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9/17/2024  
10:02:14 AM

**Michael Baker**  
INTERNATIONAL

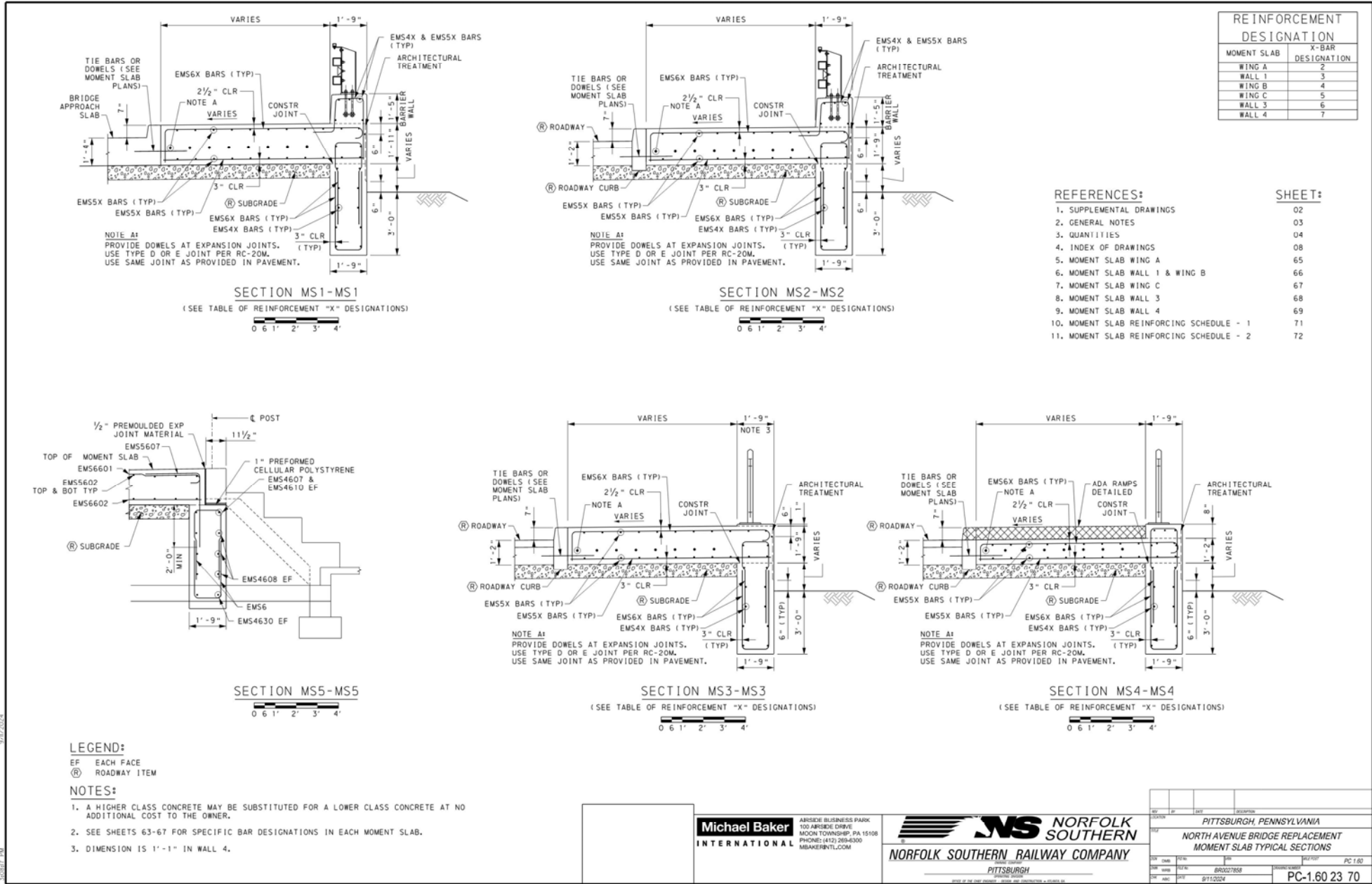
ARMSIDE BUSINESS PARK  
100 ARMSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 263-6300  
MBAKENET@COM

**NS NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY

PITTSBURGH  
STATE OF THE ART PRODUCT - 100% RECYCLED AND RECYCLED IN PA

NO.	DATE	BY	DESCRIPTION
01	09/17/2024	MS	ISSUED FOR CONSTRUCTION
PITTSBURGH, PENNSYLVANIA			
NORTH AVENUE BRIDGE REPLACEMENT			
DECORATIVE PEDESTRIAN FENCE, CORED ANCHORAGE			
DESIGNED BY	DATE	PROJECT NO.	SHEET NO.
DRW: MS	DATE: 09/17/2024	PROJECT NO.: BR227858	PC-1.60
CHK: ABC	DATE: 9/11/2024		PC-1.60 23 58

# Backup Slides and Plans



NS-Norfolk, MomentSlab - DeHollisJogn 8/27/2024

**Michael Baker INTERNATIONAL**

ARLSON BUSINESS PARK  
100 ARLSON DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 263-6300  
MBKANSRVT.COM

**NS NORFOLK SOUTHERN**

**NORFOLK SOUTHERN RAILWAY COMPANY**

PITTSBURGH

NO.	DATE	BY	DESCRIPTION

PITTSBURGH, PENNSYLVANIA  
NORTH AVENUE BRIDGE REPLACEMENT  
MOMENT SLAB TYPICAL SECTIONS

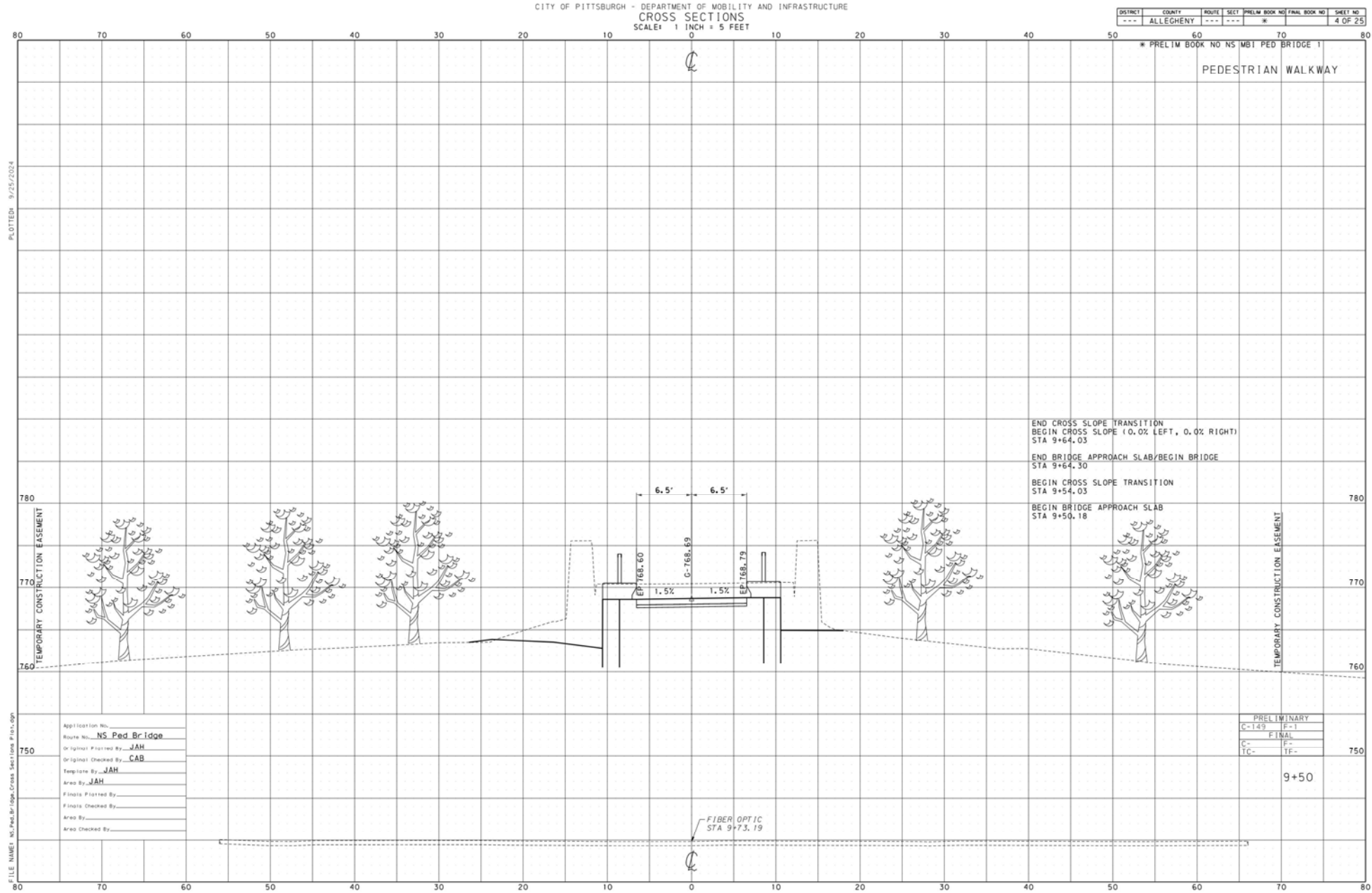
DATE: 8/27/24  
DRAWN: BRS/27858  
CHECKED: BRS/27858  
SCALE: AS SHOWN  
SHEET NO. 70 OF 83  
PC-1.60 23 70



Reference slides with project plans –  
Allegheny Commons  
Pedestrian Bridge Project

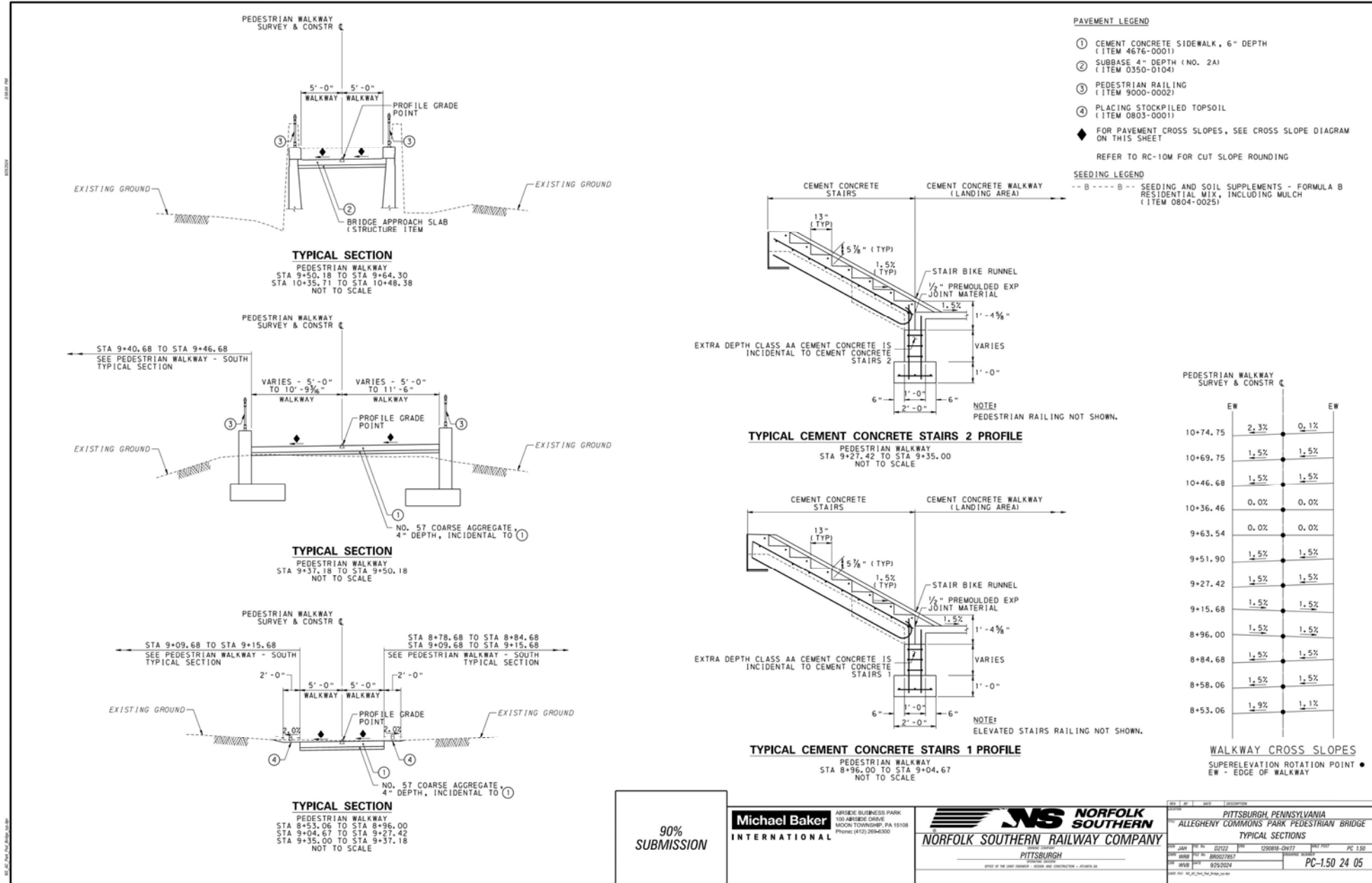
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

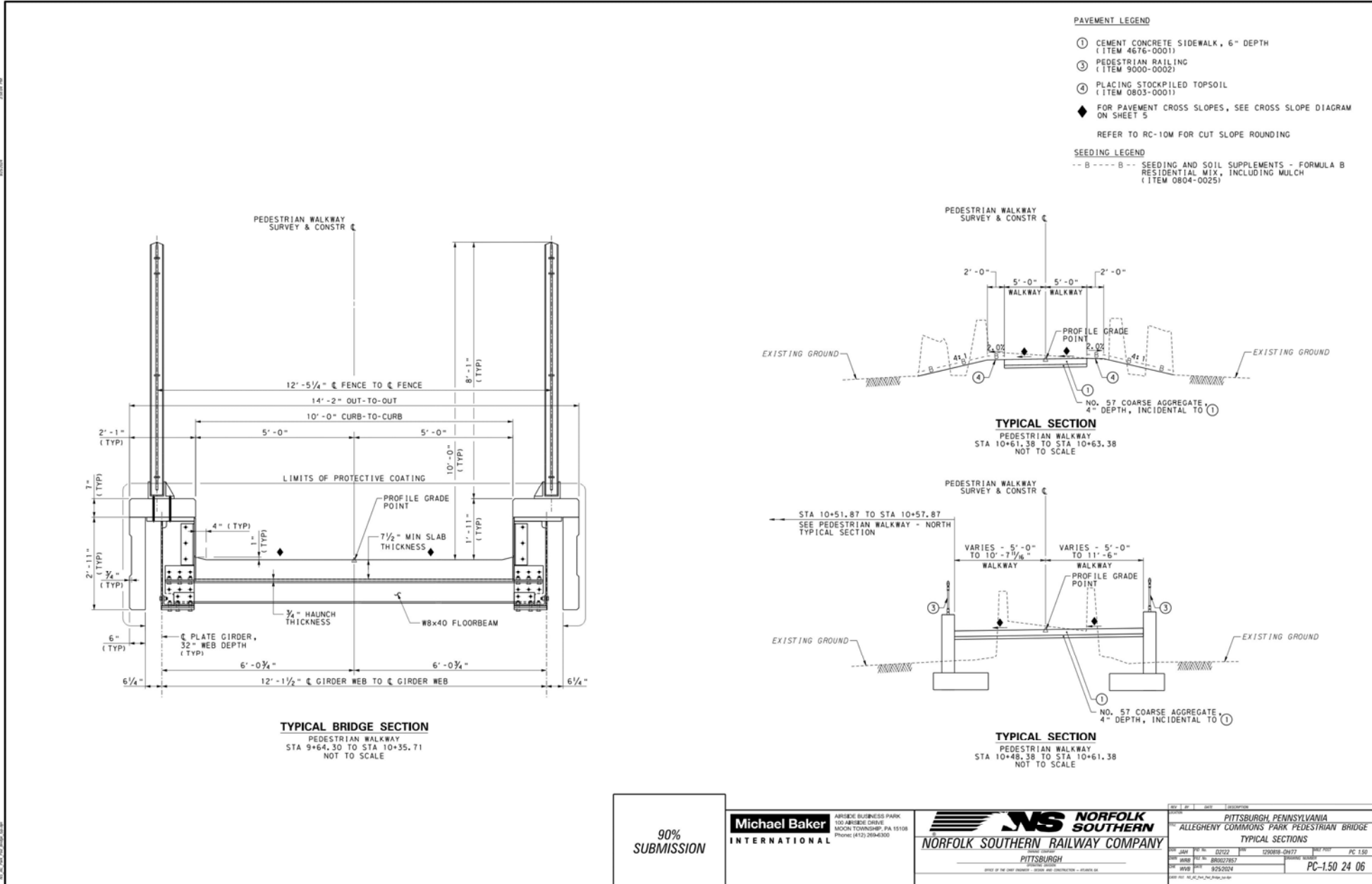
# Allegheny Commons Pedestrian Bridge Project





# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



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SUBMISSION

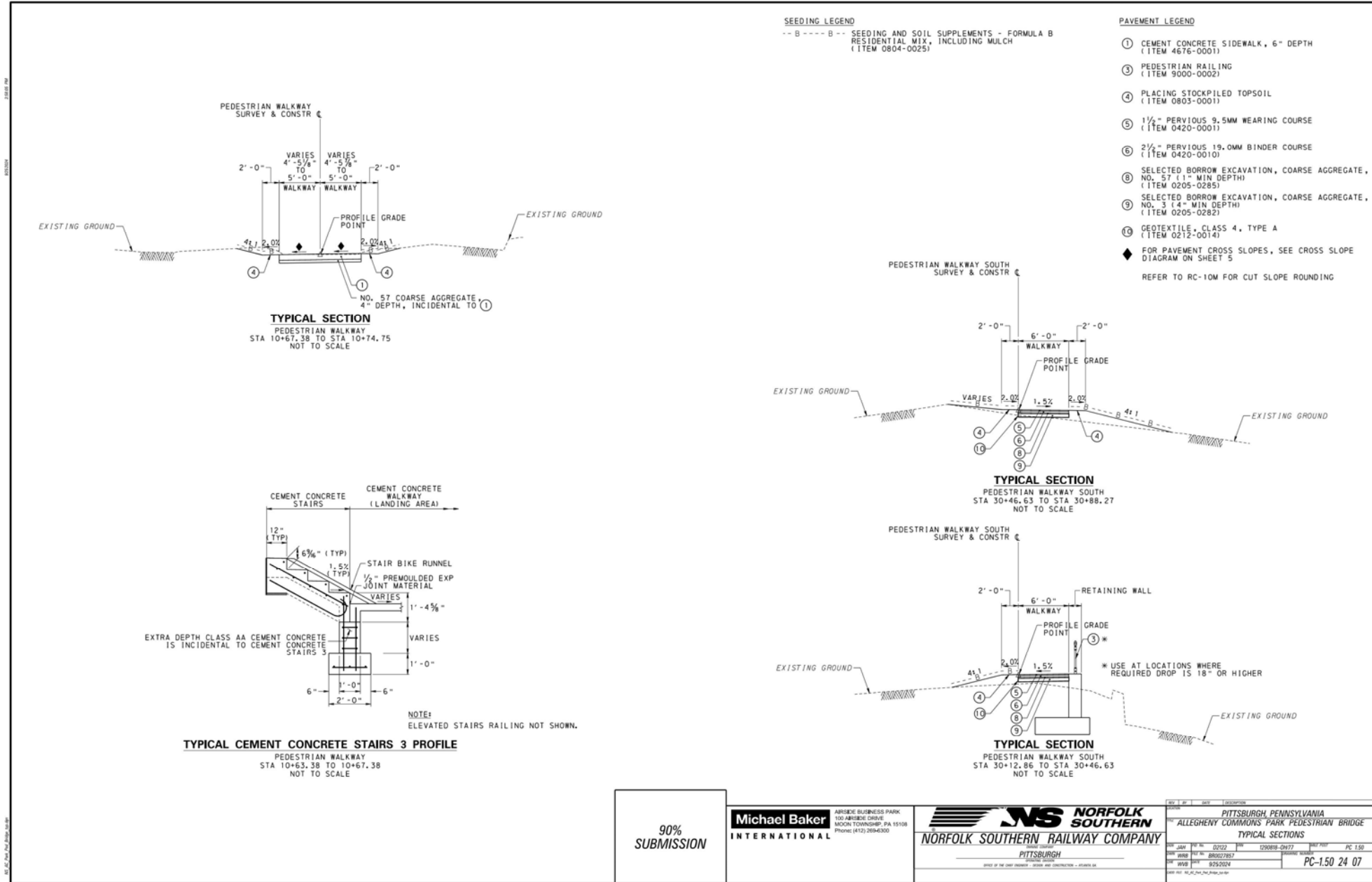
**Michael Baker INTERNATIONAL**  
ARCADE BUSINESS PARK  
100 ARCADE DRIVE  
ANDON TOWNSHIP, PA 15108  
Phone: (412) 269-6300

**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH

REV	DATE	DESCRIPTION			
1		PITTSBURGH, PENNSYLVANIA			
2		ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE			
TYPICAL SECTIONS					
DATE	REV	BY	CHKD	APP'D	SCALE
JAN		D222		CS9058-DH77	PC 150
WBD		BR0207857			
WVS		925/2024			PC-150 24 06
WVS					
WVS					

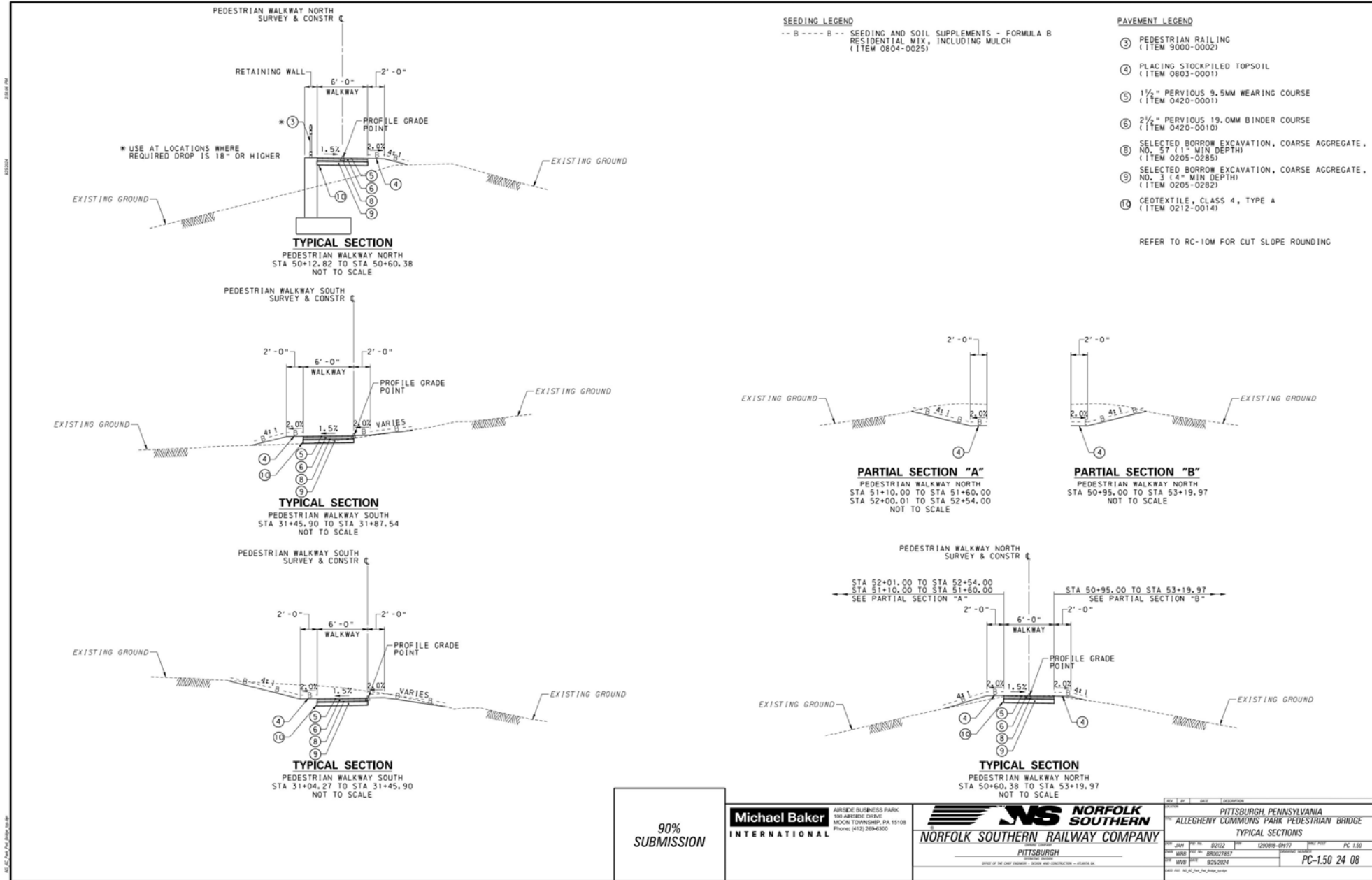
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



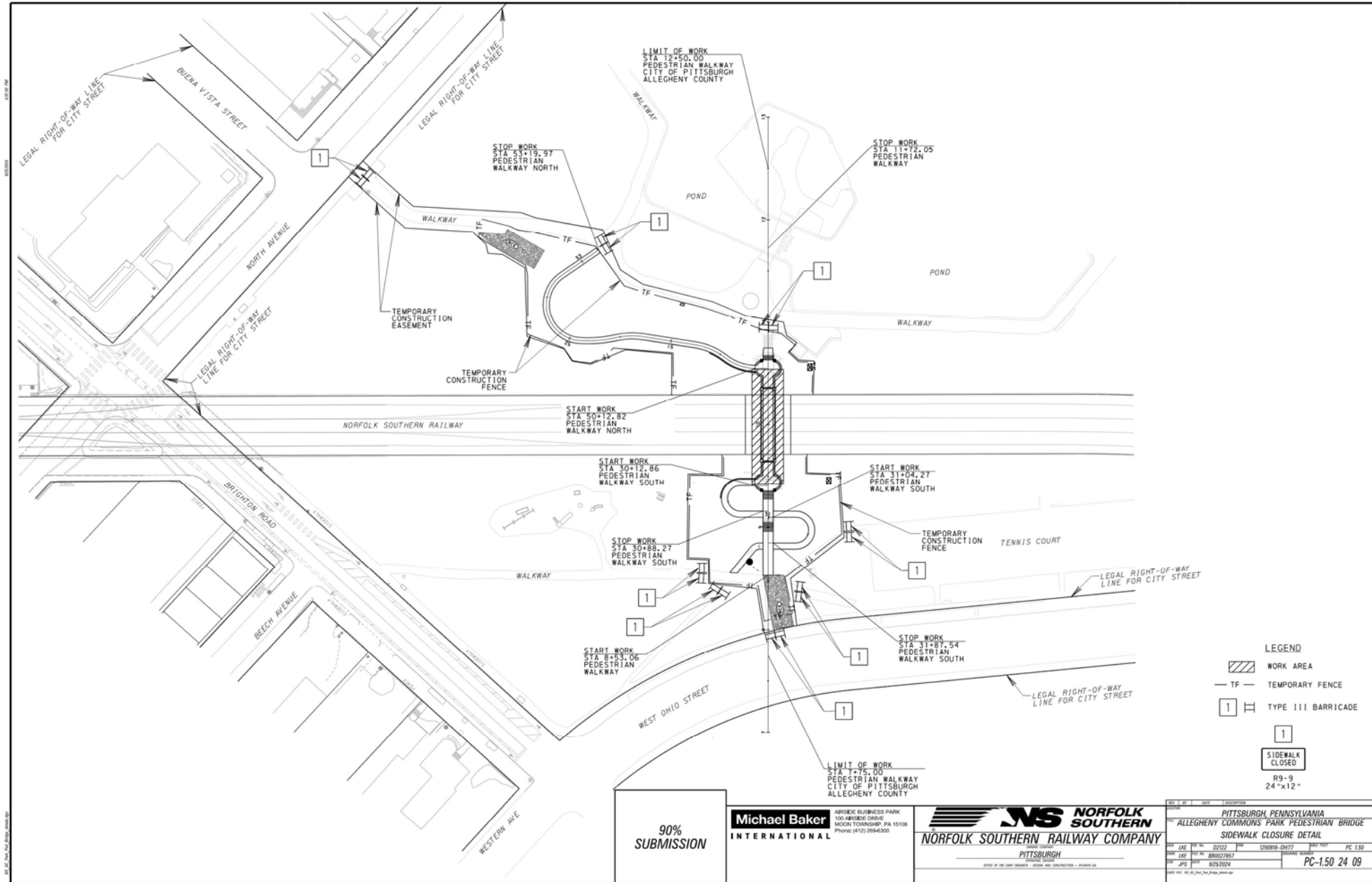
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



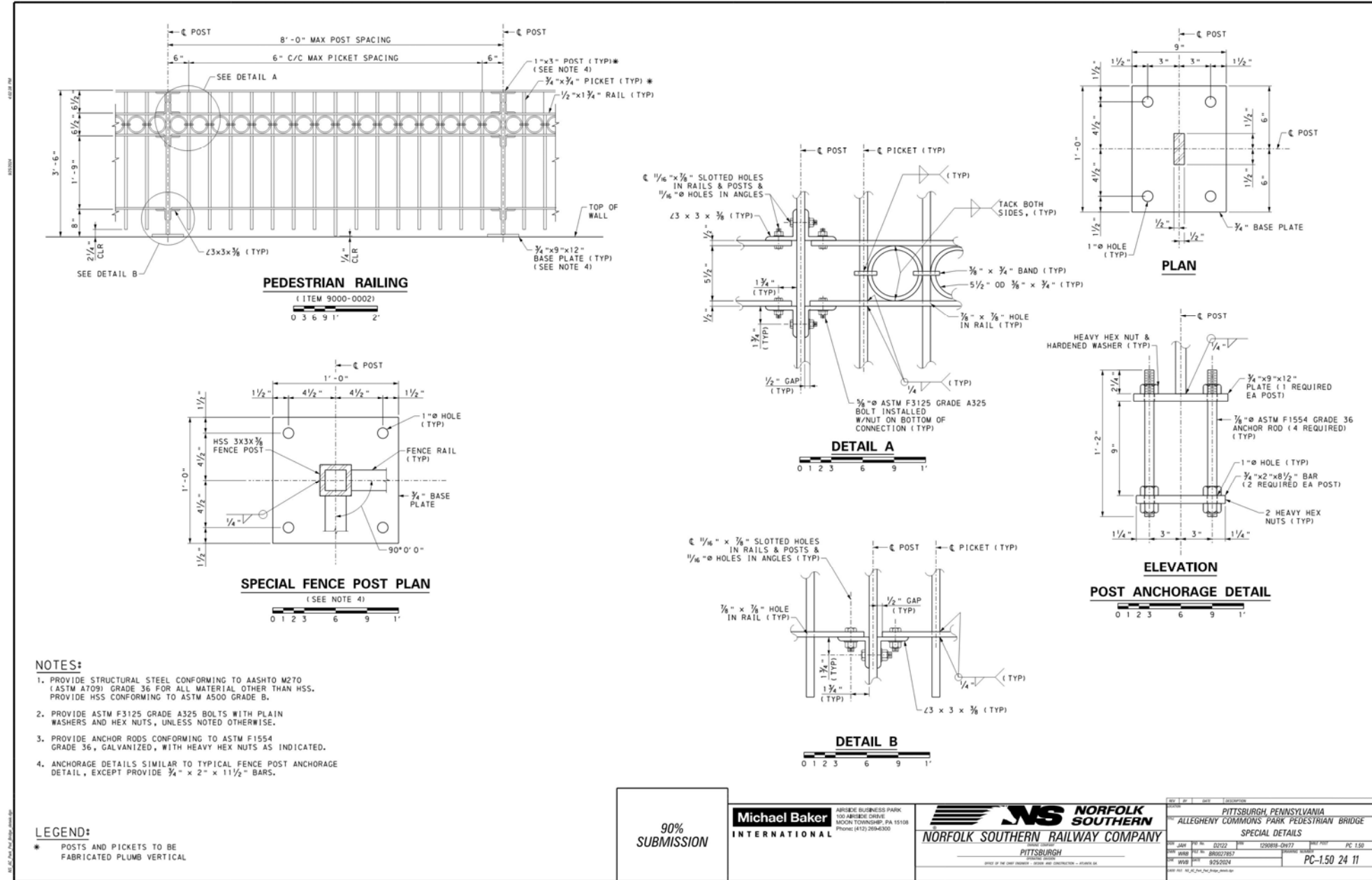
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



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SUBMISSION

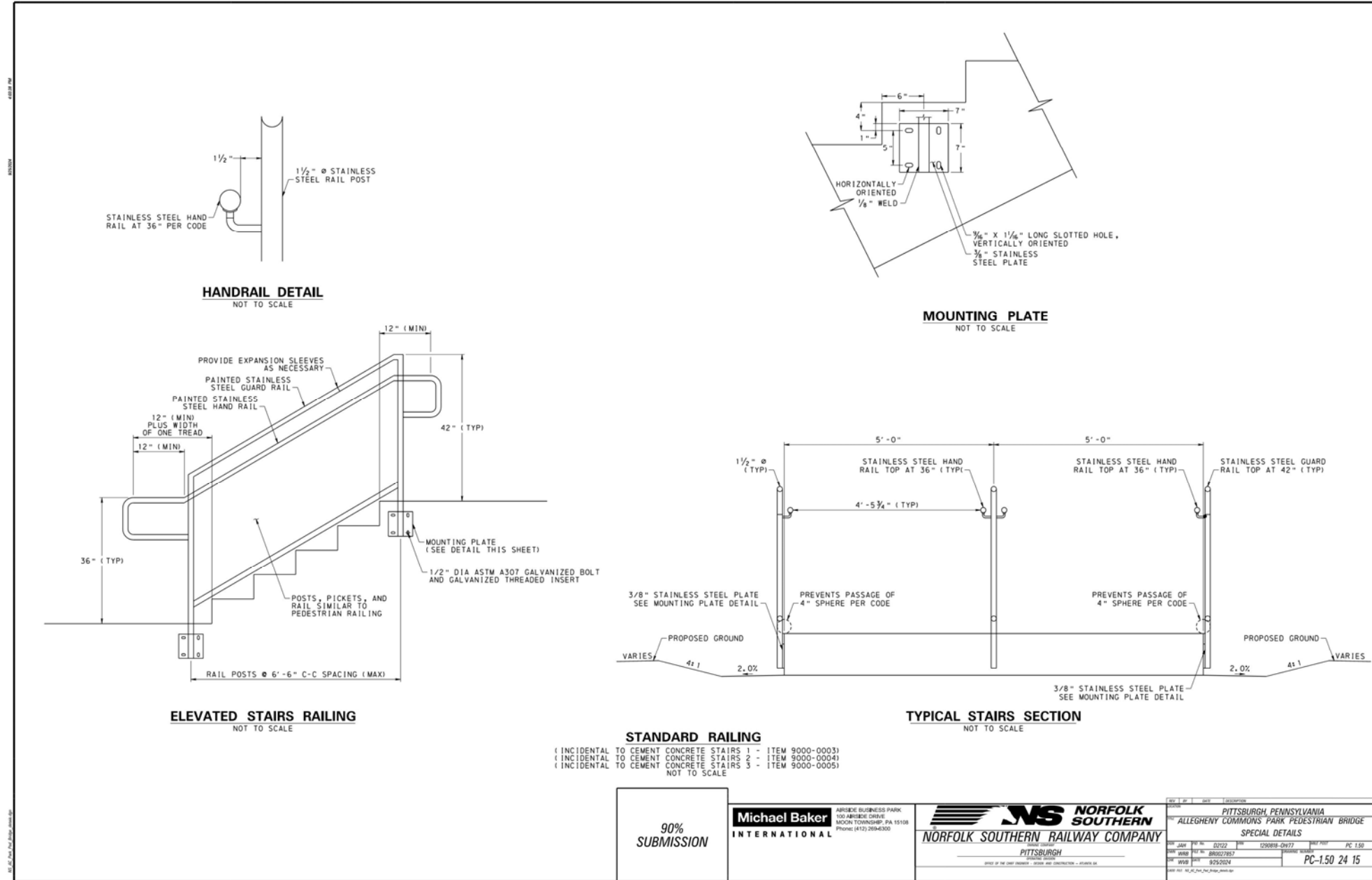
**Michael Baker INTERNATIONAL**  
ARMSIDE BUSINESS PARK  
100 ARMSIDE DRIVE  
MADISON TOWNSHIP, PA 15108  
Phone: (412) 269-6300

**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH

REV	DATE	DESCRIPTION
01		PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE SPECIAL DETAILS
DATE	BY	CHKD
JAN 02 2022	BR0007867	DR0008-04177
DATE	BY	CHKD
WAP 9/25/2024		
SHEET NO. 4 OF 25		PC-150 24 11

# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



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SUBMISSION

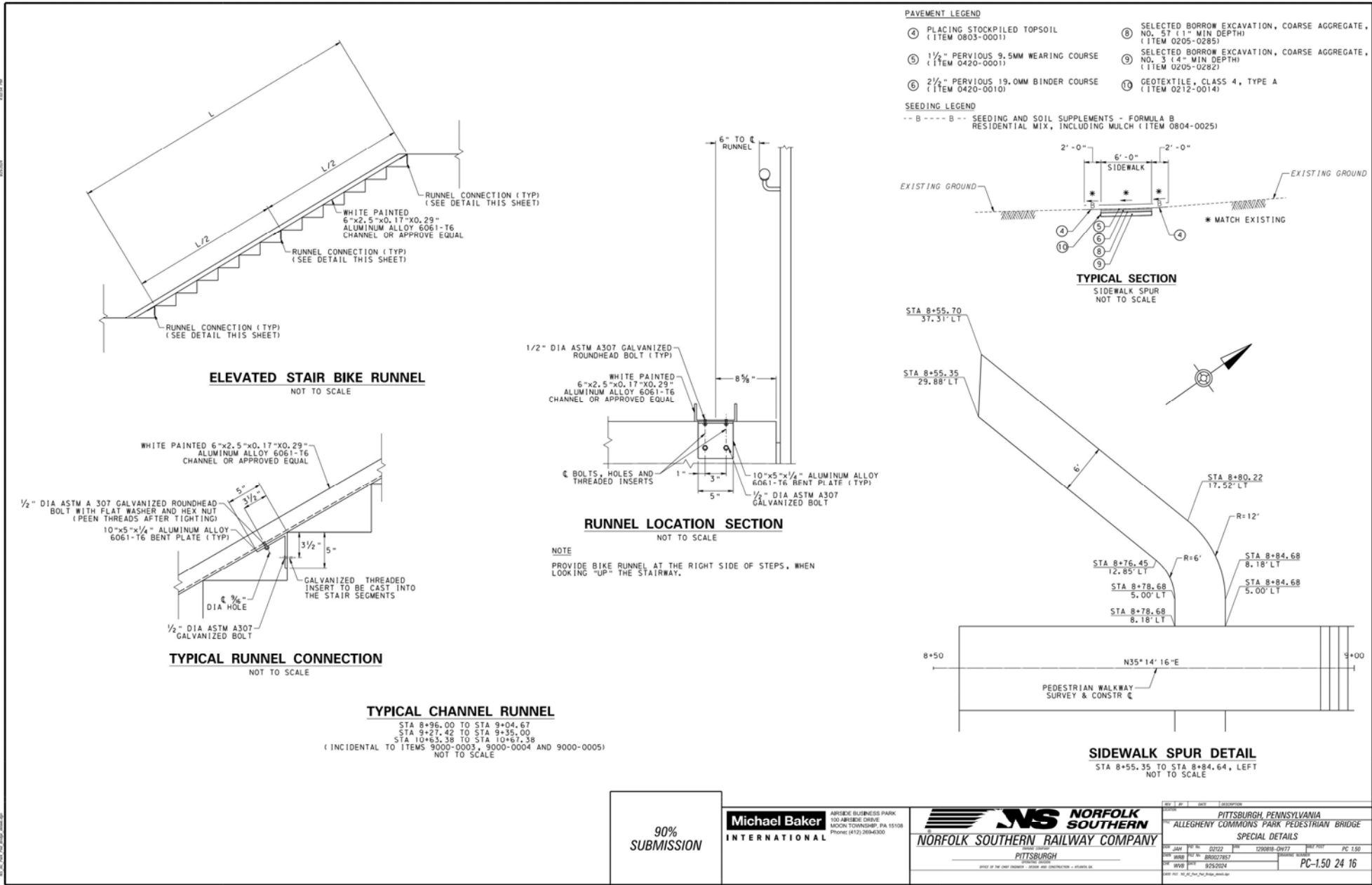
**Michael Baker INTERNATIONAL**  
ARMSIDE BUSINESS PARK  
100 ARMSIDE DRIVE  
MADISON TOWNSHIP, PA 15108  
Phone: (412) 269-6300

**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH  
MEMBER OF THE CSX GROUP - DESIGN AND CONSTRUCTION - PITTSBURGH, PA

REV	DATE	DESCRIPTION
01		PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE SPECIAL DETAILS
02	JAN 02/22	220918-0477
03	WAP 08/07/2017	PC-150
04	WVS 02/20/24	PC-150 24 15

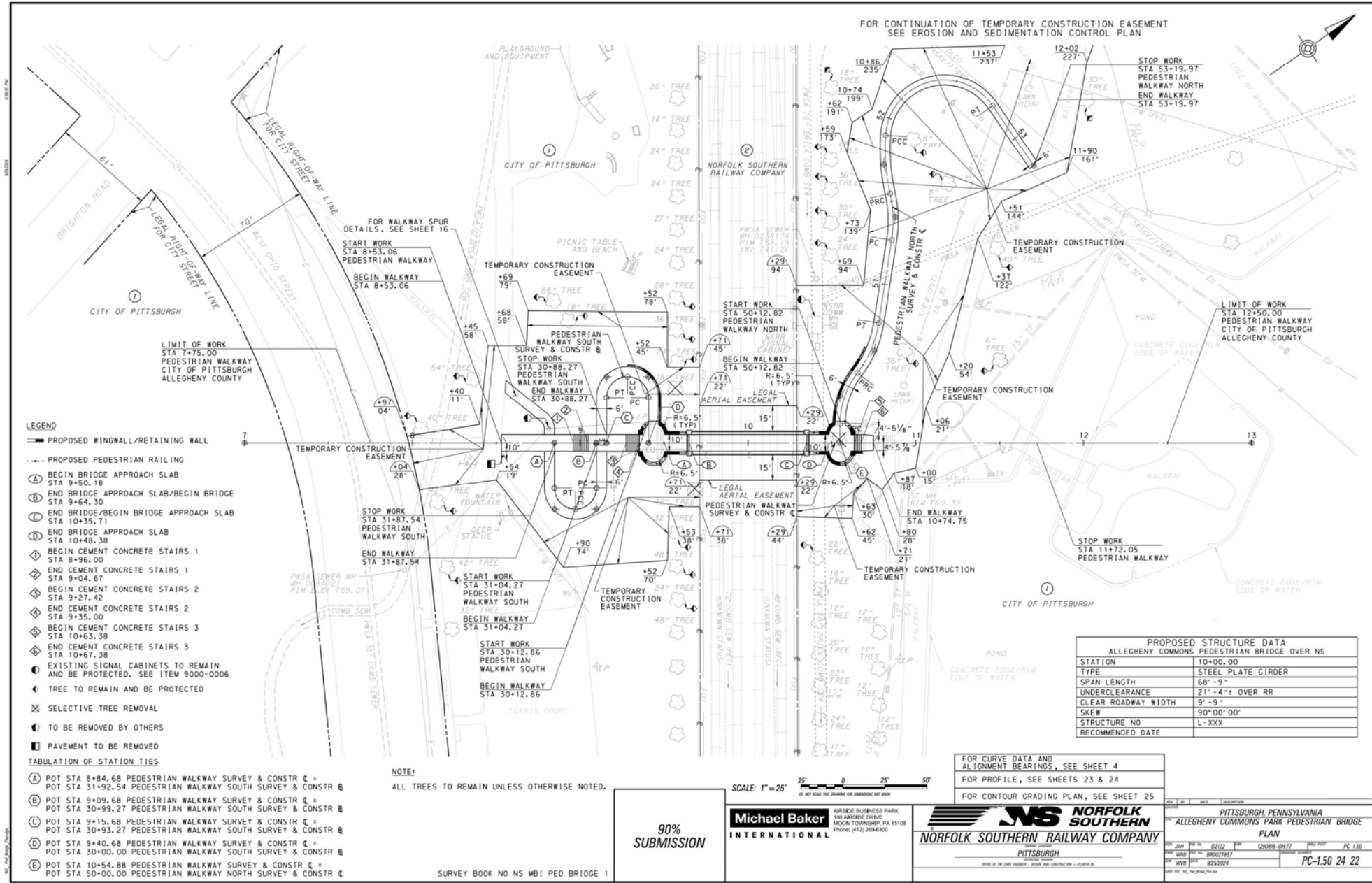
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# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

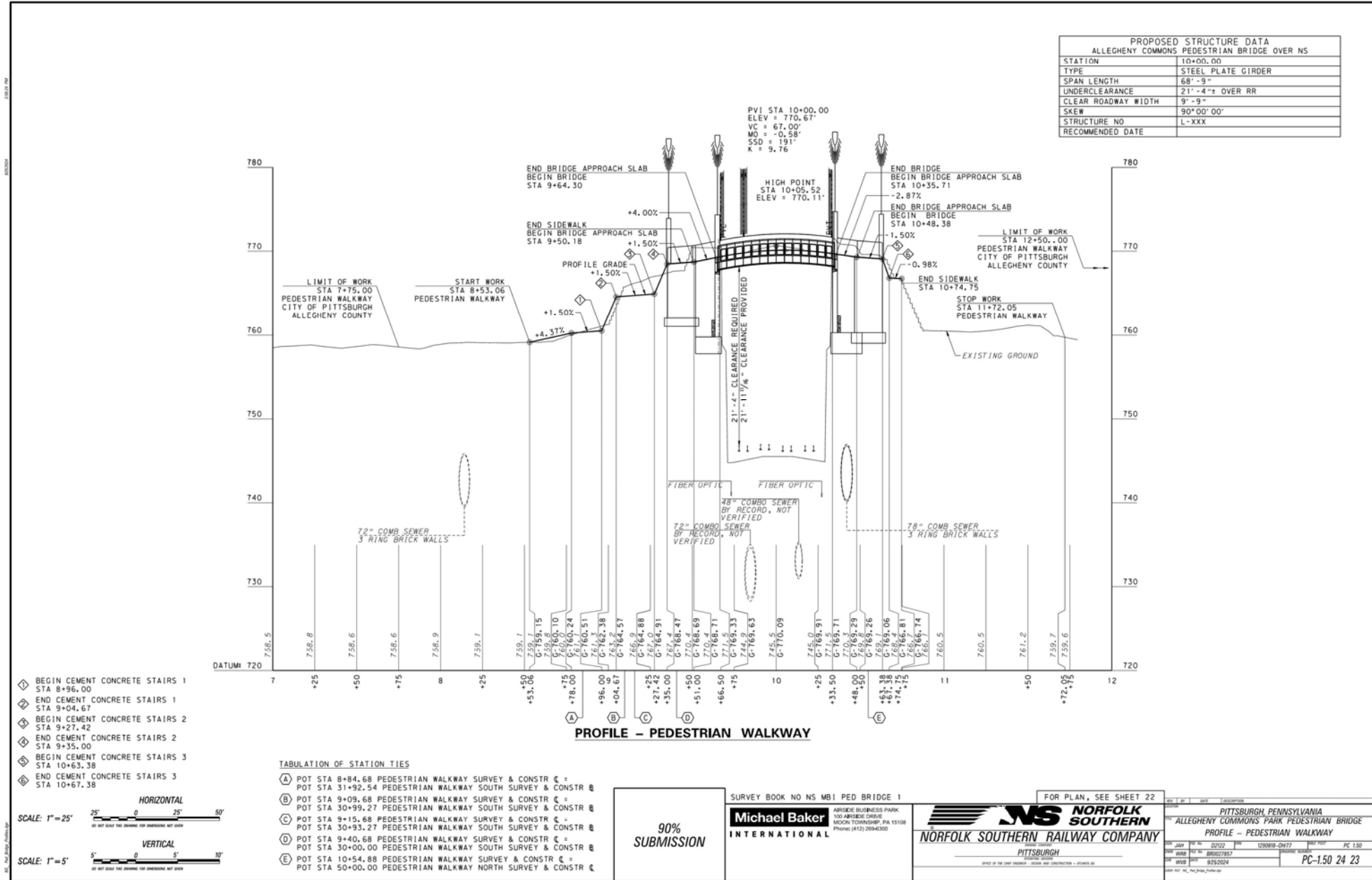
# Allegheny Commons Pedestrian Bridge Project





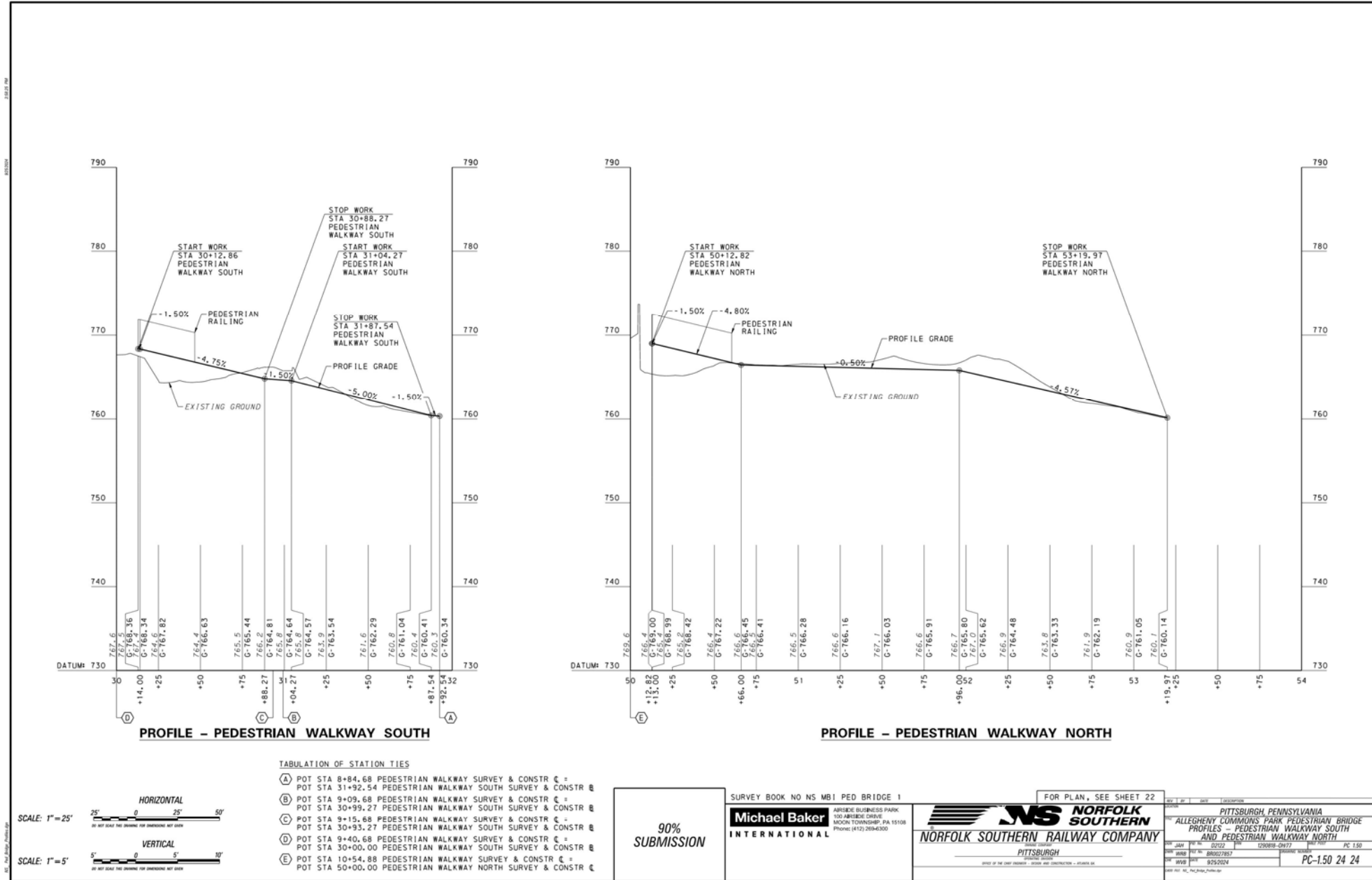
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# Allegheny Commons Pedestrian Bridge Project



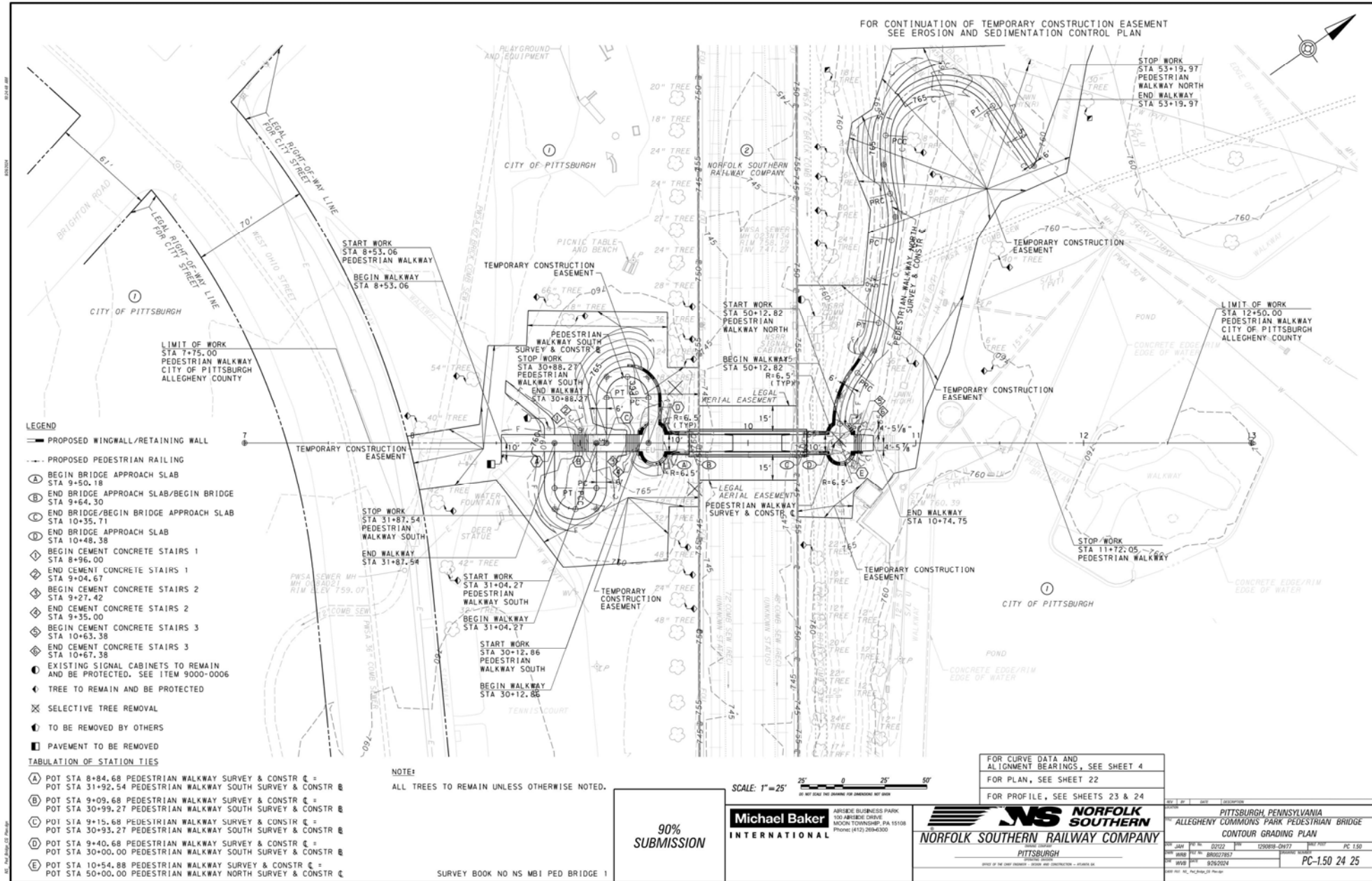
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



- PROPOSED WINGWALL/RETAINING WALL
- - - PROPOSED PEDESTRIAN RAILING
- (A) BEGIN BRIDGE APPROACH SLAB  
STA 9+50.18
- (B) END BRIDGE APPROACH SLAB/BEGIN BRIDGE  
STA 9+64.30
- (C) END BRIDGE/BEGIN BRIDGE APPROACH SLAB  
STA 10+35.71
- (D) END BRIDGE APPROACH SLAB  
STA 10+48.38
- (E) BEGIN CEMENT CONCRETE STAIRS 1  
STA 8+96.00
- (F) END CEMENT CONCRETE STAIRS 1  
STA 9+04.67
- (G) BEGIN CEMENT CONCRETE STAIRS 2  
STA 9+27.42
- (H) END CEMENT CONCRETE STAIRS 2  
STA 9+35.00
- (I) BEGIN CEMENT CONCRETE STAIRS 3  
STA 10+63.38
- (J) END CEMENT CONCRETE STAIRS 3  
STA 10+67.38
- (K) EXISTING SIGNAL CABINETS TO REMAIN  
AND BE PROTECTED. SEE ITEM 9000-0006
- (L) TREE TO REMAIN AND BE PROTECTED
- (M) SELECTIVE TREE REMOVAL
- (N) TO BE REMOVED BY OTHERS
- (O) PAVEMENT TO BE REMOVED

**TABULATION OF STATION TIES**

- (A) POT STA 8+84.68 PEDESTRIAN WALKWAY SURVEY & CONSTR C =  
POT STA 31+92.54 PEDESTRIAN WALKWAY SOUTH SURVEY & CONSTR C
- (B) POT STA 9+09.68 PEDESTRIAN WALKWAY SURVEY & CONSTR C =  
POT STA 30+99.27 PEDESTRIAN WALKWAY SOUTH SURVEY & CONSTR C
- (C) POT STA 9+15.68 PEDESTRIAN WALKWAY SURVEY & CONSTR C =  
POT STA 30+93.27 PEDESTRIAN WALKWAY SOUTH SURVEY & CONSTR C
- (D) POT STA 9+40.68 PEDESTRIAN WALKWAY SURVEY & CONSTR C =  
POT STA 30+00.00 PEDESTRIAN WALKWAY SOUTH SURVEY & CONSTR C
- (E) POT STA 10+54.88 PEDESTRIAN WALKWAY SURVEY & CONSTR C =  
POT STA 50+00.00 PEDESTRIAN WALKWAY NORTH SURVEY & CONSTR C

**NOTE:**

ALL TREES TO REMAIN UNLESS OTHERWISE NOTED.

SURVEY BOOK NO NS MBI PED BRIDGE 1

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**Michael Baker  
INTERNATIONAL**

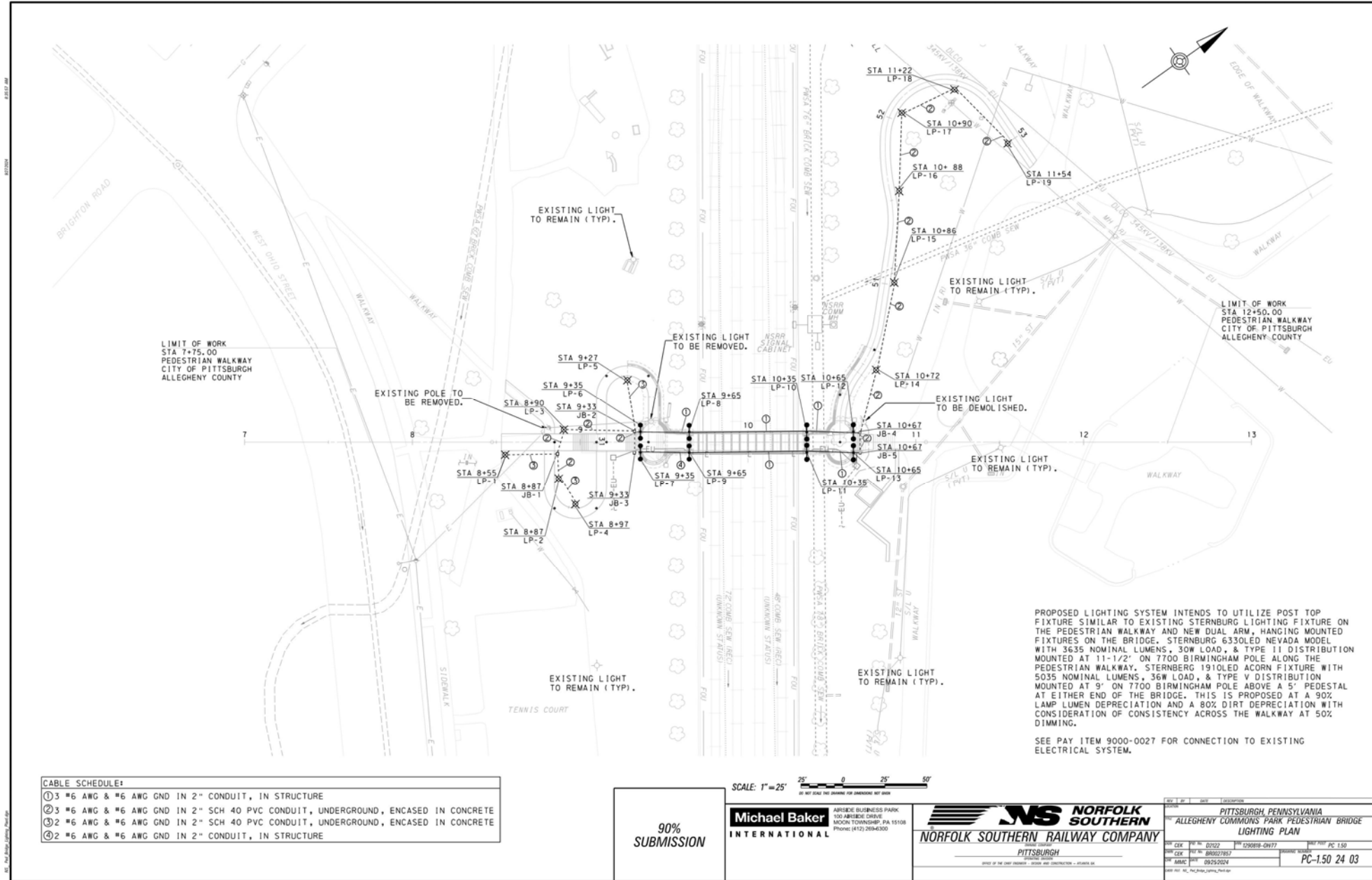
**NORFOLK  
SOUTHERN  
RAILWAY COMPANY**

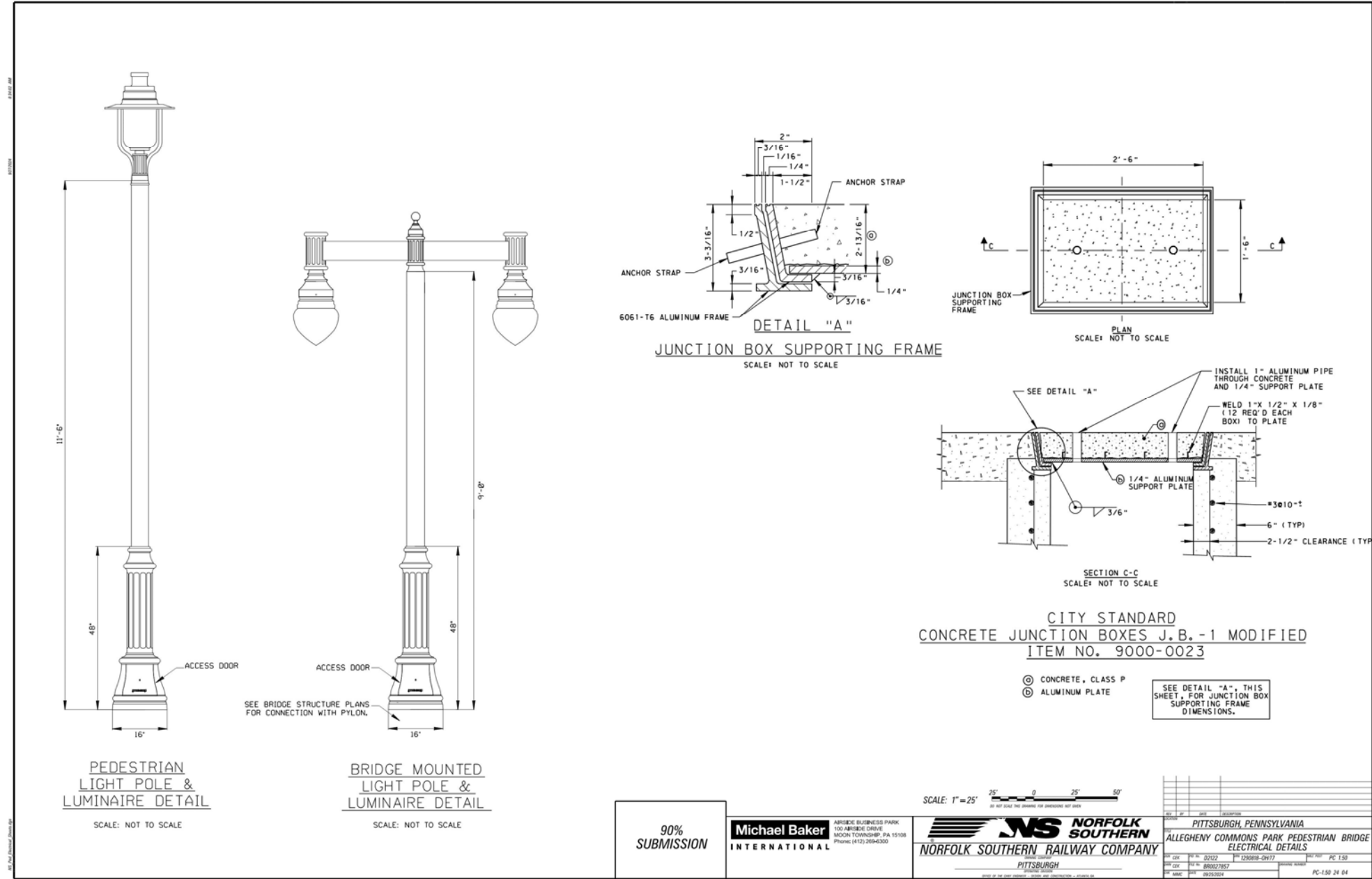
FOR CURVE DATA AND  
ALIGNMENT BEARINGS, SEE SHEET 4  
FOR PLAN, SEE SHEET 22  
FOR PROFILE, SEE SHEETS 23 & 24

PROJECT	PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE CONTOUR GRADING PLAN		
DATE	JAN 2022	REV	02/08/2022
DRAWN BY	BR0207857	CHECKED BY	BR0207857
DATE	02/02/2024	DATE	02/02/2024
SHEET NO.	PC-150	OF	25

# Backup Slides and Plans

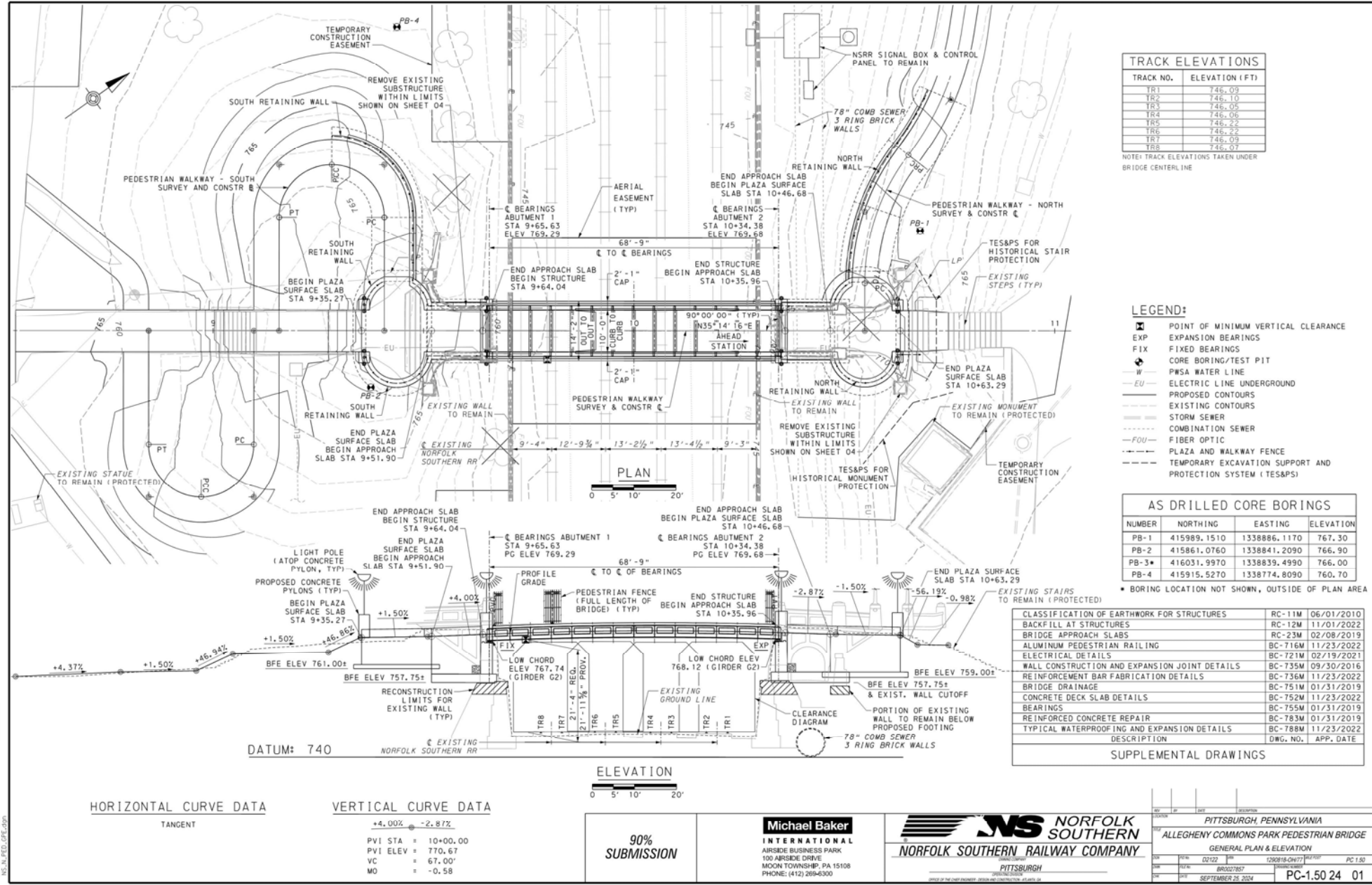
# Allegheny Commons Pedestrian Bridge Project





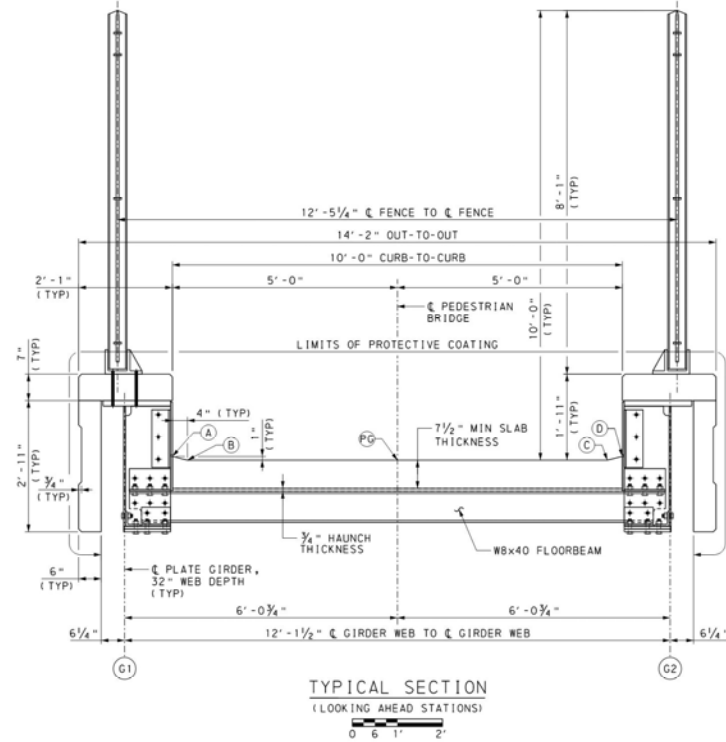
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



TOP OF DECK STATIONS AND ELEVATIONS AT BREAKPOINTS						
POINTS OF INTEREST	STATION	A	B	PG	C	D
CL BRG ABUT 1 / EFB1	9+65.63	769.38	769.29	769.29	769.29	769.38
PVC	9+66.50	769.41	769.33	769.33	769.33	769.41
	9+70.00	769.55	769.46	769.46	769.46	769.55
FB2	9+70.54	769.57	769.48	769.48	769.48	769.57
FB3	9+75.45	769.73	769.65	769.65	769.65	769.73
	9+80.00	769.86	769.78	769.78	769.78	769.86
FB4	9+80.36	769.87	769.78	769.78	769.78	769.87
FB5	9+85.27	769.98	769.90	769.90	769.90	769.98
	9+90.00	770.07	769.99	769.99	769.99	770.07
FB6	9+90.18	770.07	769.99	769.99	769.99	770.07
FB7	9+95.09	770.14	770.05	770.05	770.05	770.14
PVI / FBB	10+00.00	770.18	770.09	770.09	770.09	770.18
FB9	10+04.91	770.19	770.11	770.11	770.11	770.19
VHIGH	10+05.52	770.19	770.11	770.11	770.11	770.19
FB10	10+09.82	770.18	770.10	770.10	770.10	770.18
	10+10.00	770.18	770.10	770.10	770.10	770.18
FB11	10+14.73	770.15	770.07	770.07	770.07	770.15
FB12	10+19.64	770.09	770.01	770.01	770.01	770.09
	10+20.00	770.09	770.00	770.00	770.00	770.09
FB13	10+24.55	770.01	769.92	769.92	769.92	770.01
FB14	10+29.46	769.90	769.82	769.82	769.82	769.90
	10+30.00	769.89	769.80	769.80	769.80	769.89
PVT	10+33.50	769.79	769.71	769.71	769.71	769.79
CL BRG ABUT 2 / EFB2	10+34.38	769.77	769.68	769.68	769.68	769.77

**LEGEND:**

- (G1) GIRDER NUMBER
- (A) DECK ELEVATION KEY POINT

**REFERENCES:**

1. SUPPLEMENTAL DRAWINGS
2. GENERAL PLAN & ELEVATION
3. INDEX OF DRAWINGS

**SHEET:**

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9/26/2024

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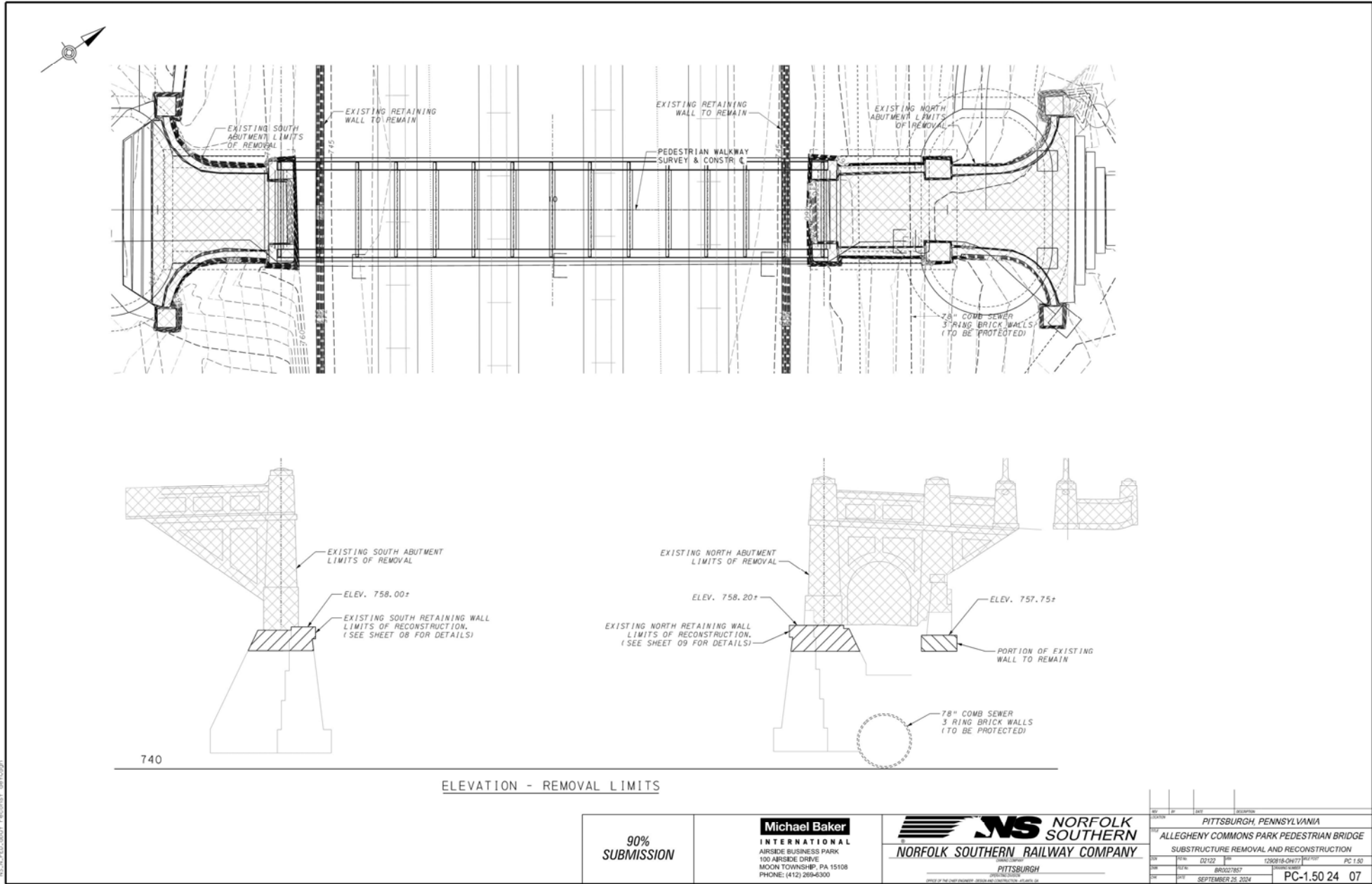
**Michael Baker**  
INTERNATIONAL  
AIRSIDE BUSINESS PARK  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 269-6300

**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH

NO	DATE	BY	DESCRIPTION
001			PITTSBURGH, PENNSYLVANIA
002			ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE
TYPICAL SECTION & DECK ELEVATIONS			
003	02/12/24	BR/02/7857	1290218-041777
004	09/26/24		PC 1.50
PC-1.50 24 05			
SHEET NO. 05 OF 52			

# Backup Slides and Plans

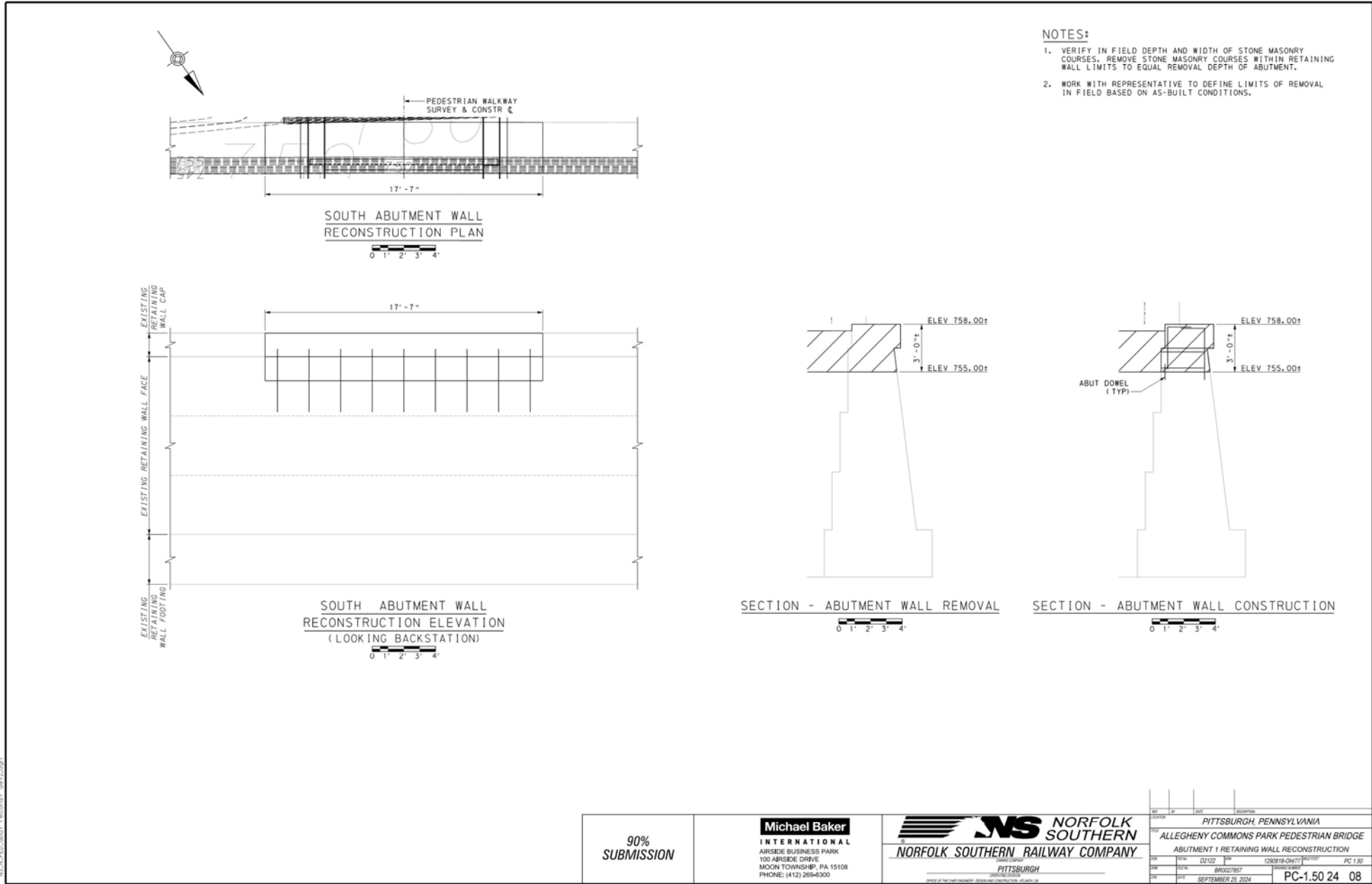
# Allegheny Commons Pedestrian Bridge Project





# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

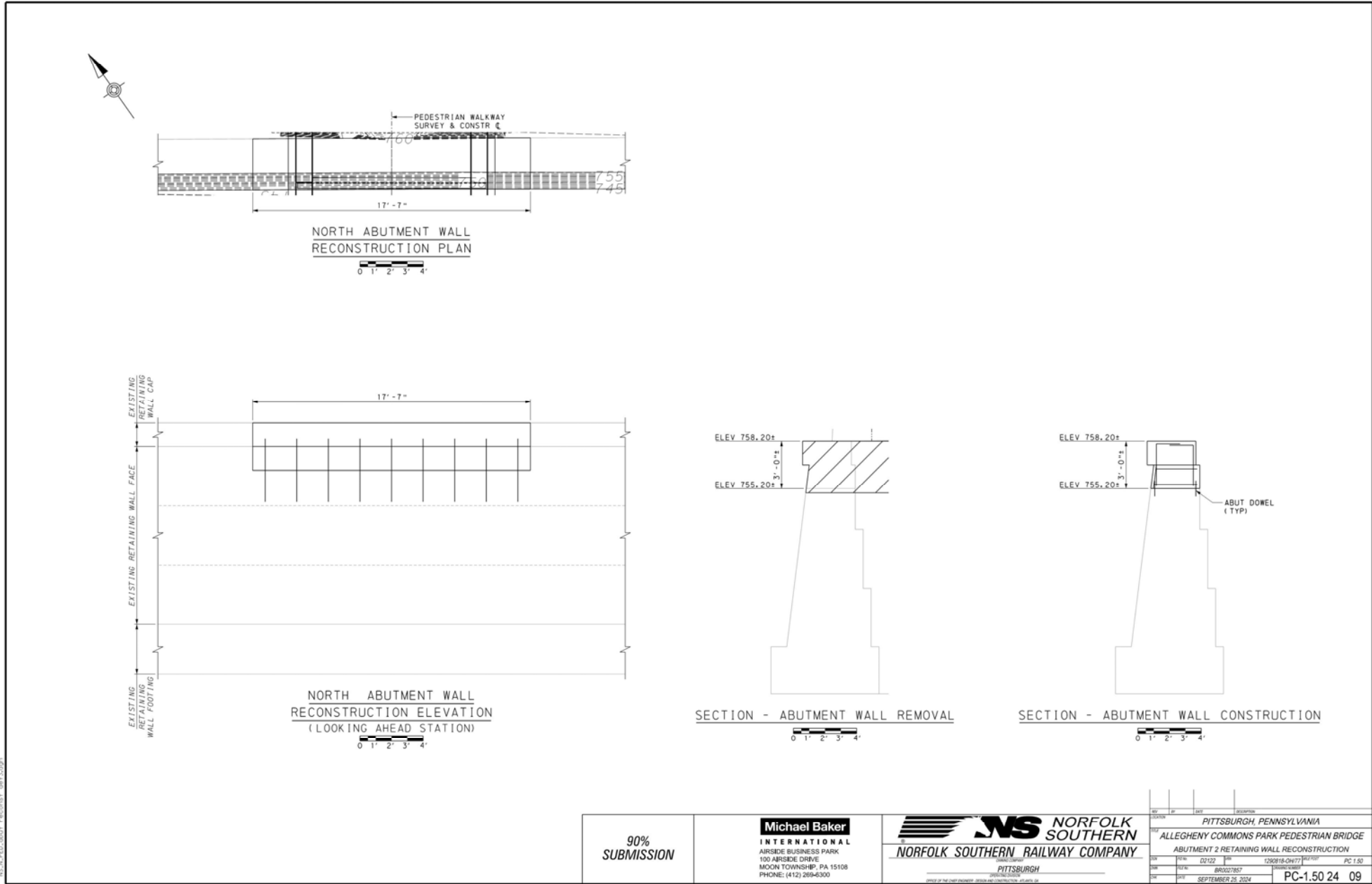


9/26/2024  
R33109 JM  
R:\3\PC\041 - reconstr.dwg

<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> <small>AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300</small>	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> <small>PITTSBURGH</small>	<small>DATE</small> <small>BY</small> <small>CHKD</small> <small>APP'D</small>	<small>DATE</small> <small>BY</small> <small>CHKD</small> <small>APP'D</small>	<small>DATE</small> <small>BY</small> <small>CHKD</small> <small>APP'D</small>	<small>DATE</small> <small>BY</small> <small>CHKD</small> <small>APP'D</small>
			<small>PITTSBURGH, PENNSYLVANIA</small> <b>ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE</b> <b>ABUTMENT 1 RETAINING WALL RECONSTRUCTION</b>			

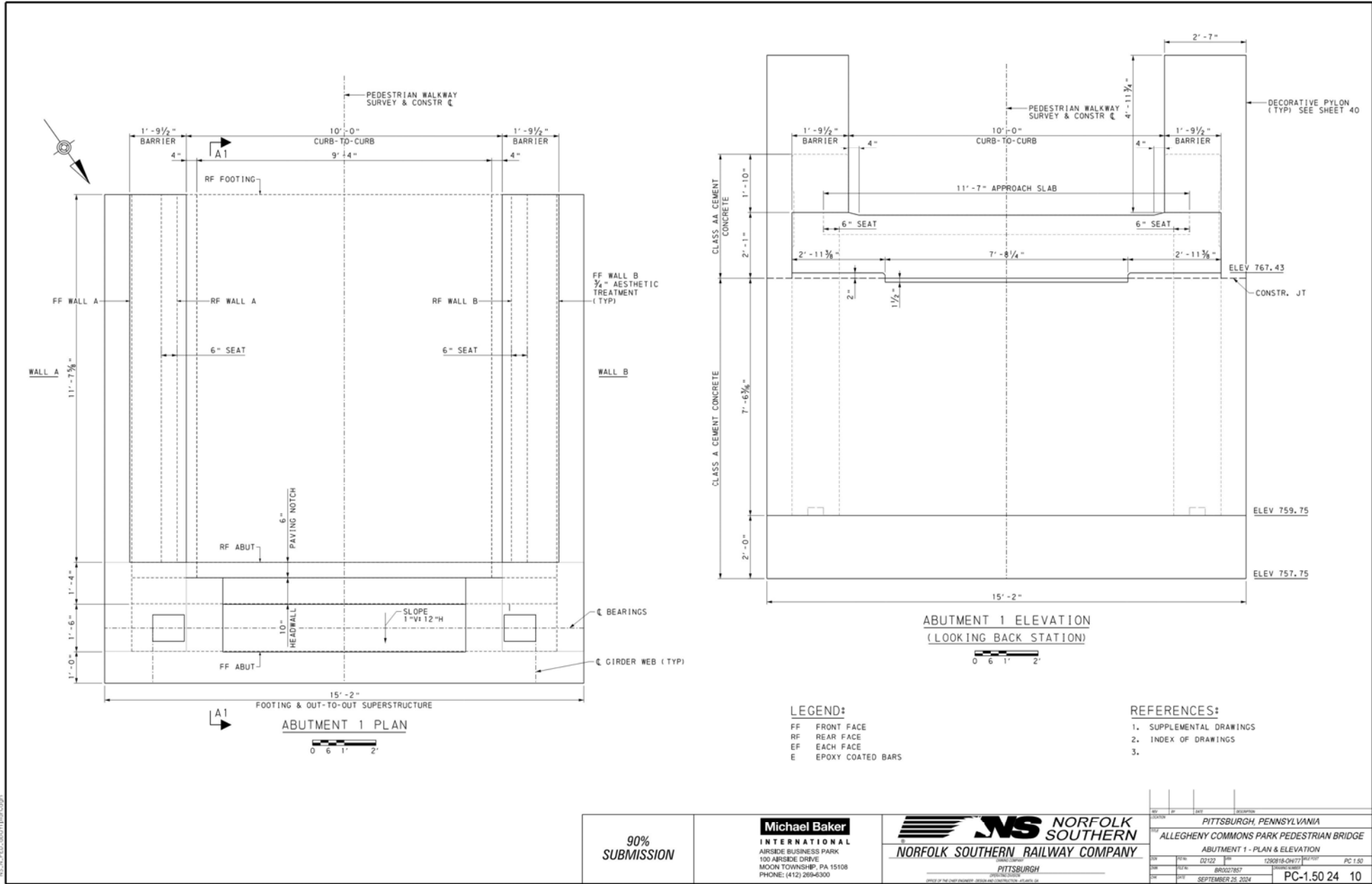
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

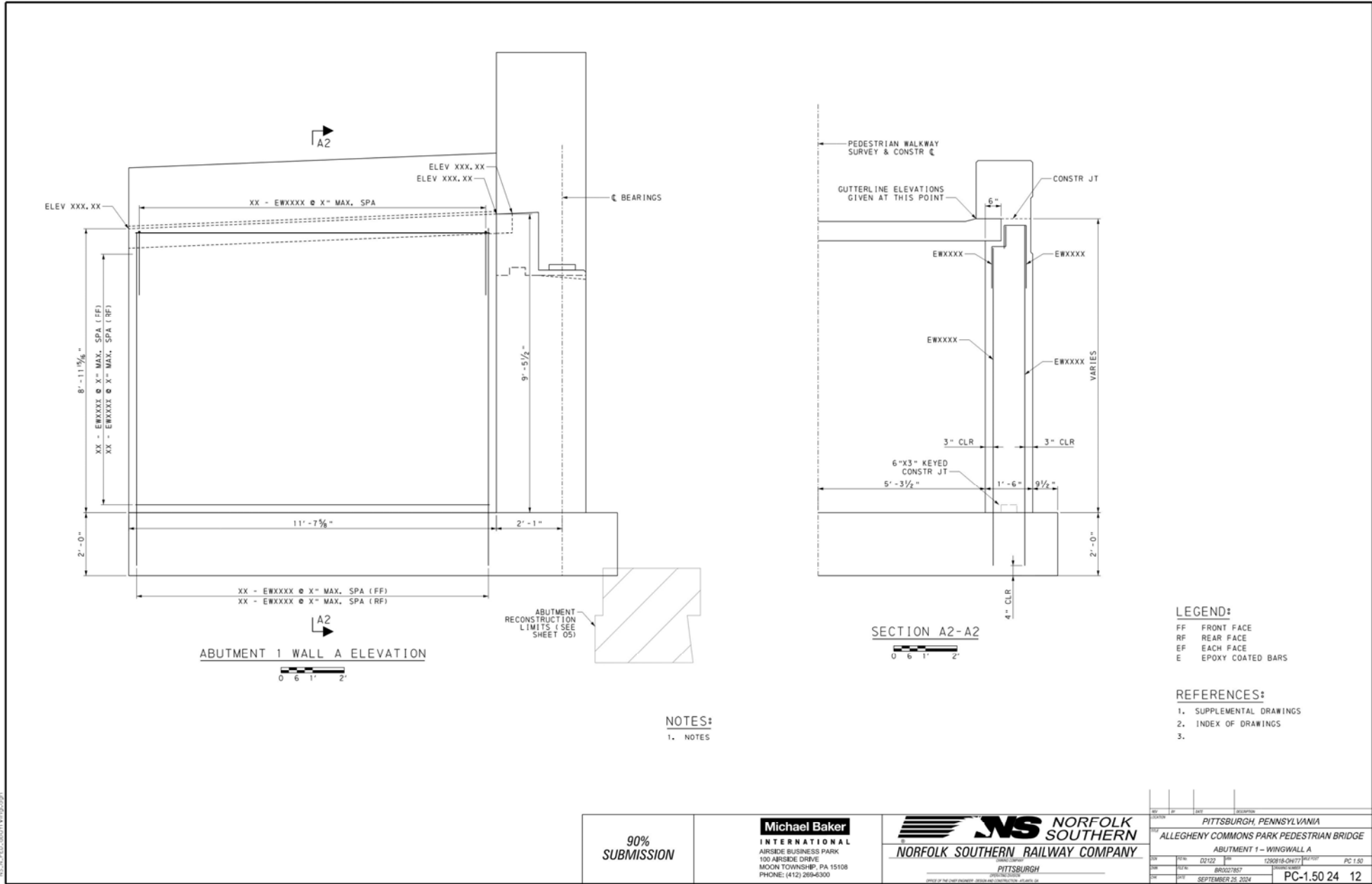
# Allegheny Commons Pedestrian Bridge Project





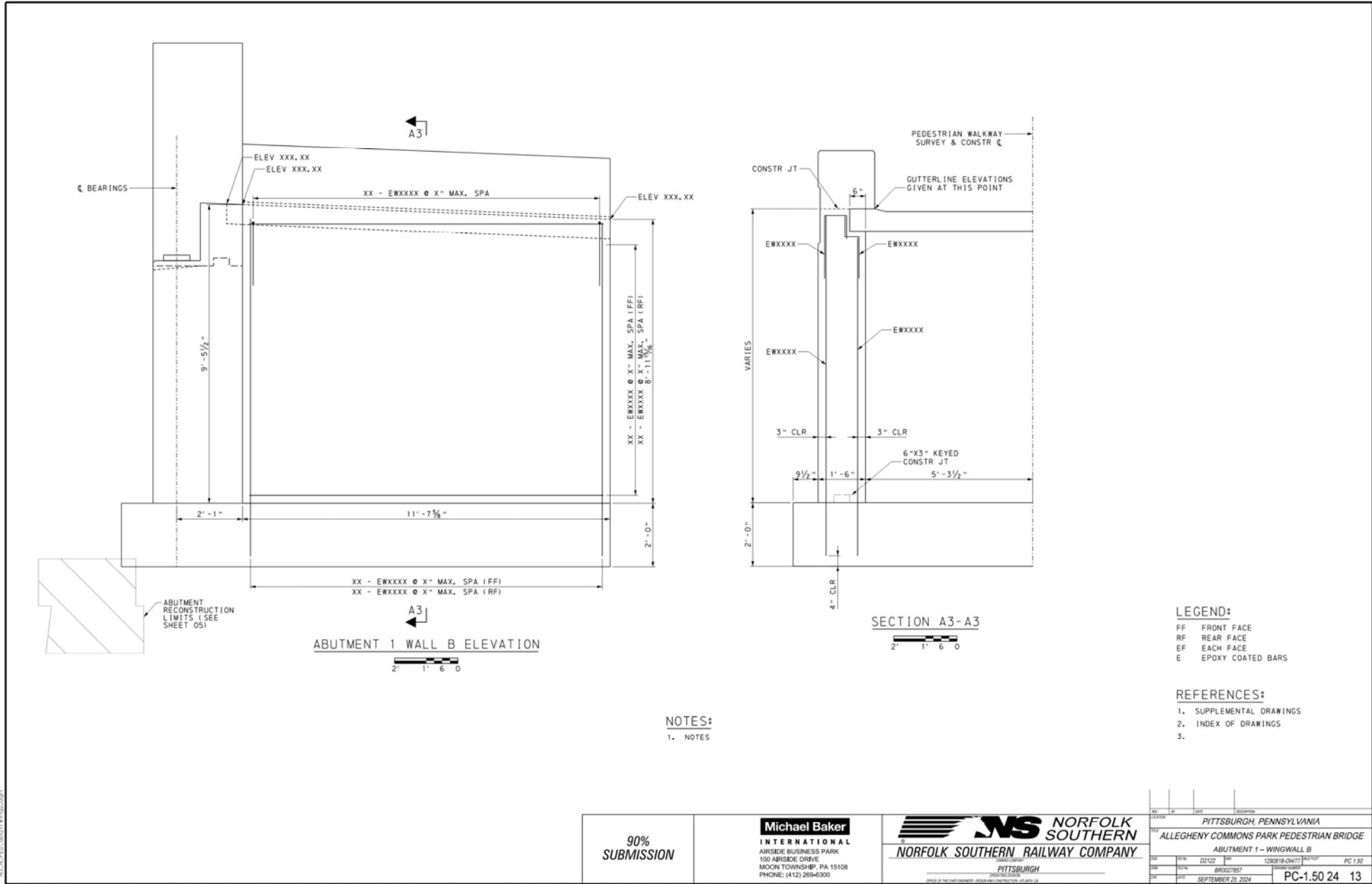
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



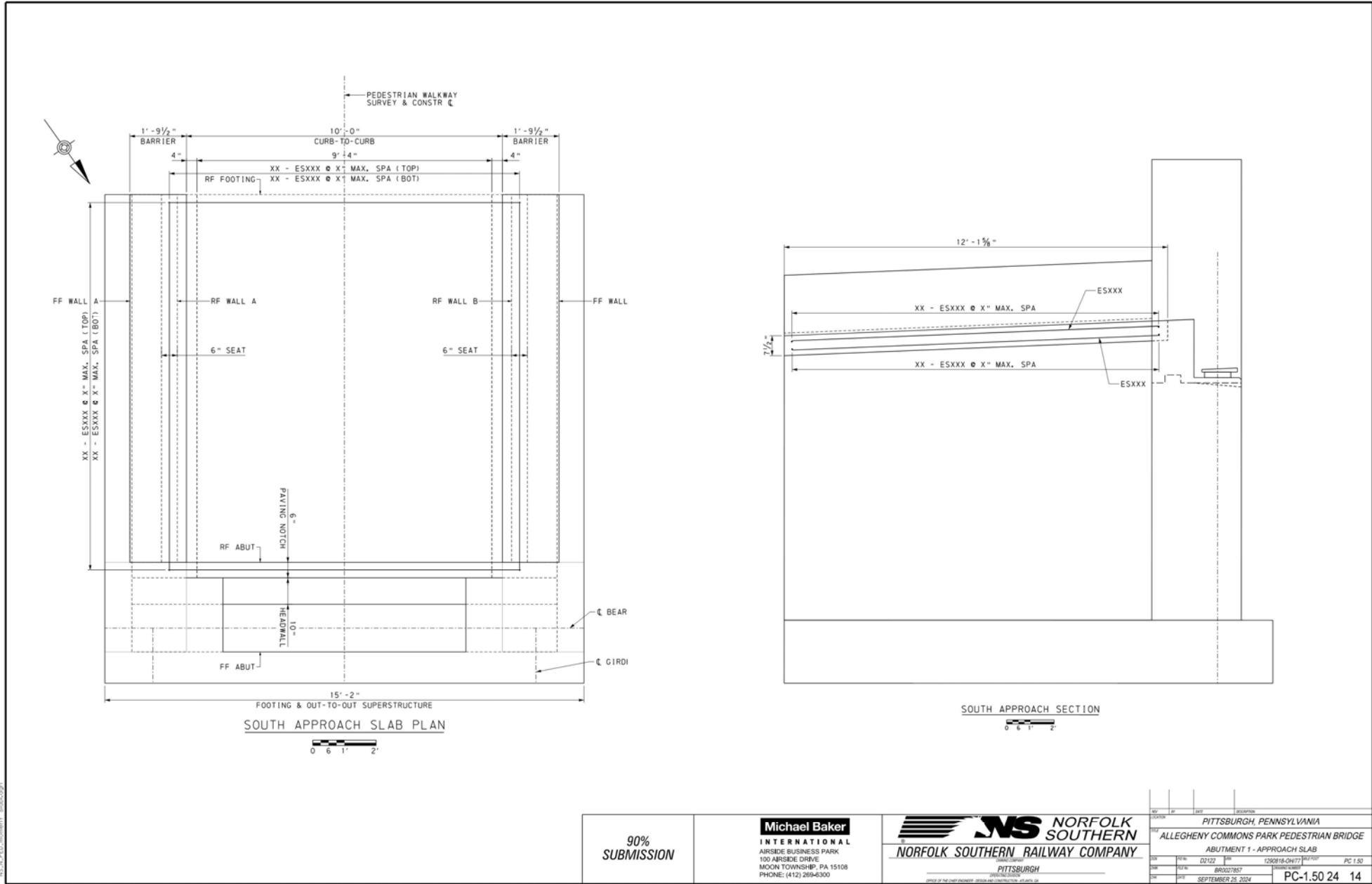
# Backup Slides and Plans

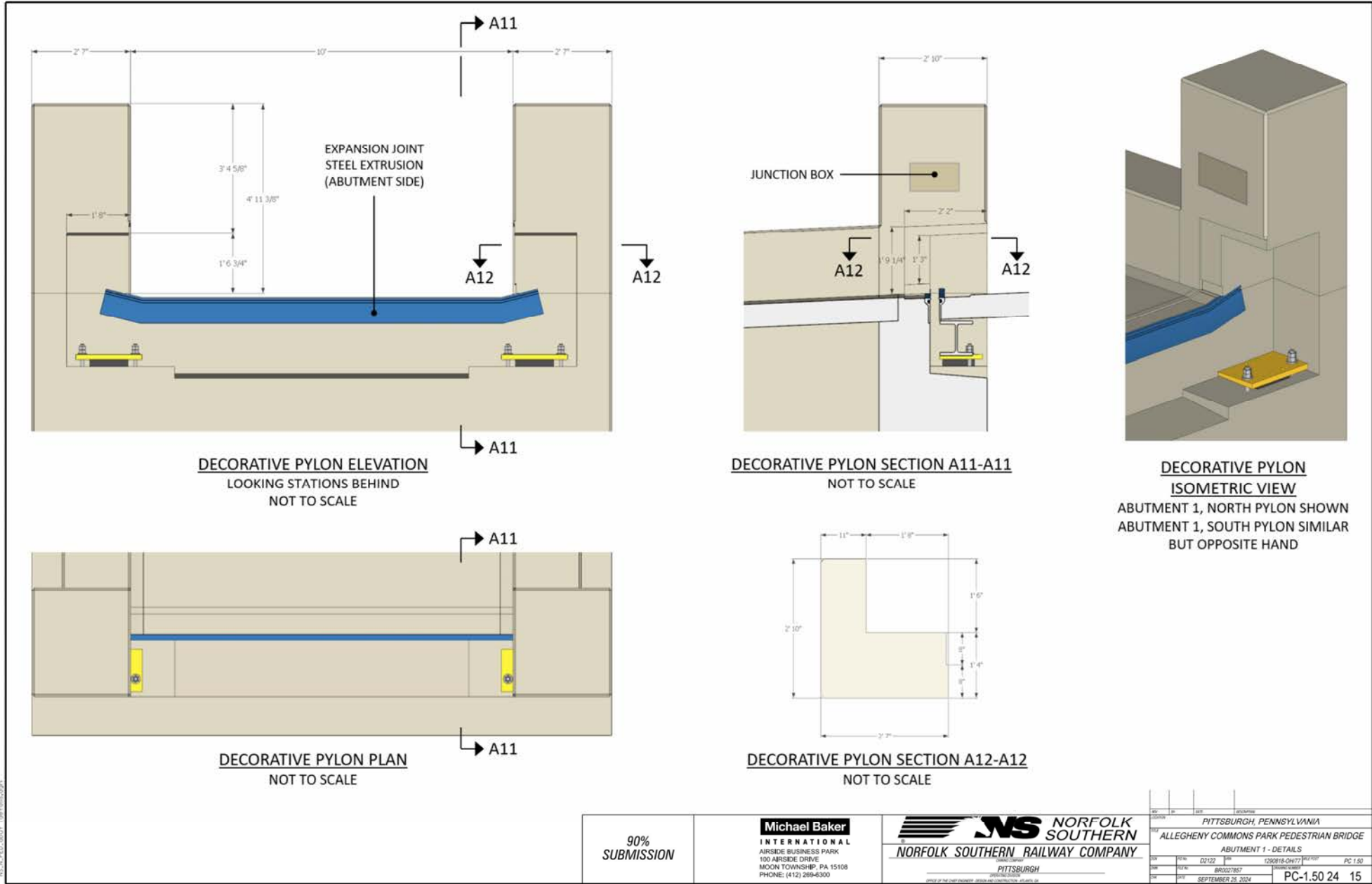
# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



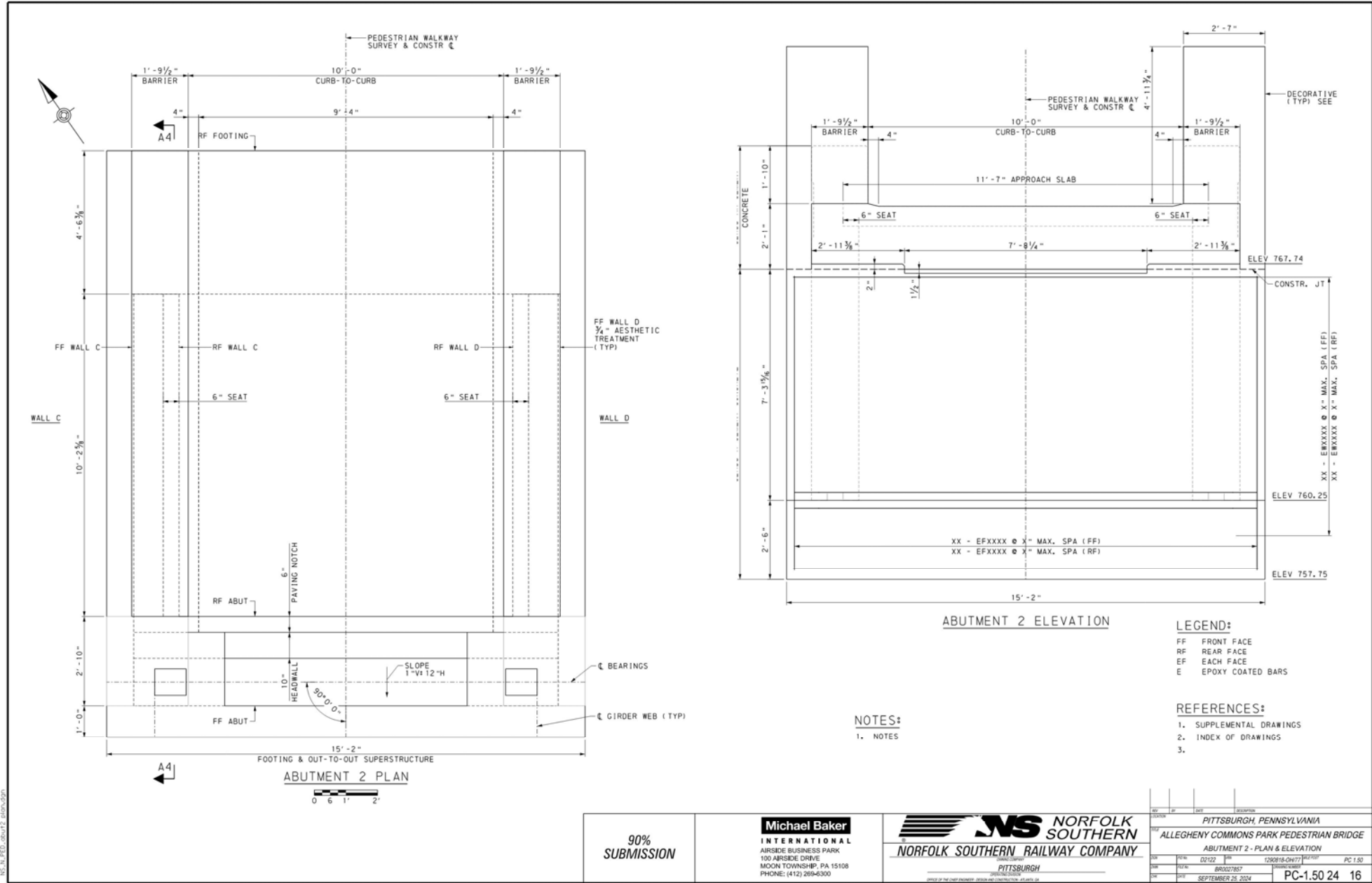


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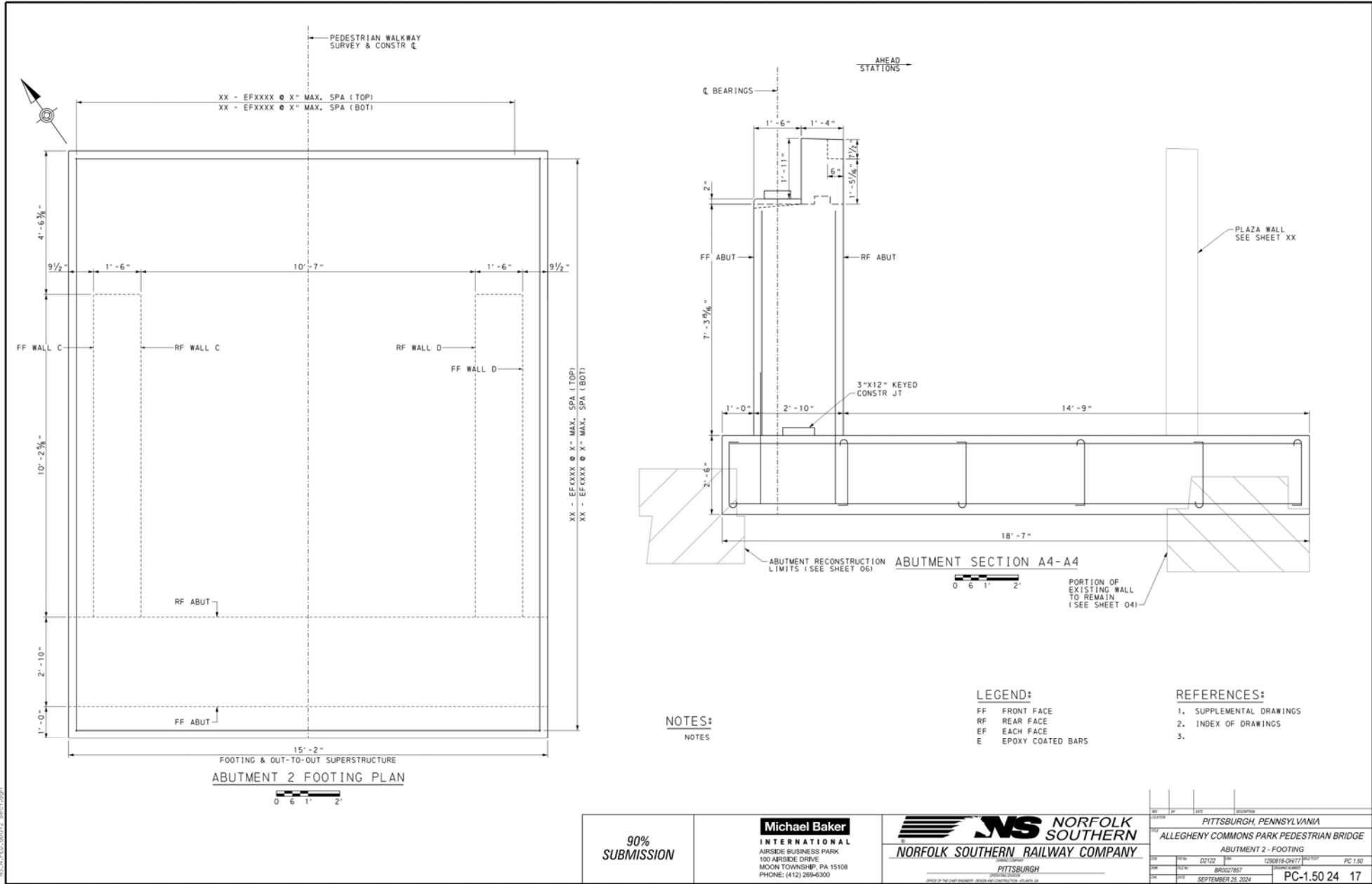
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

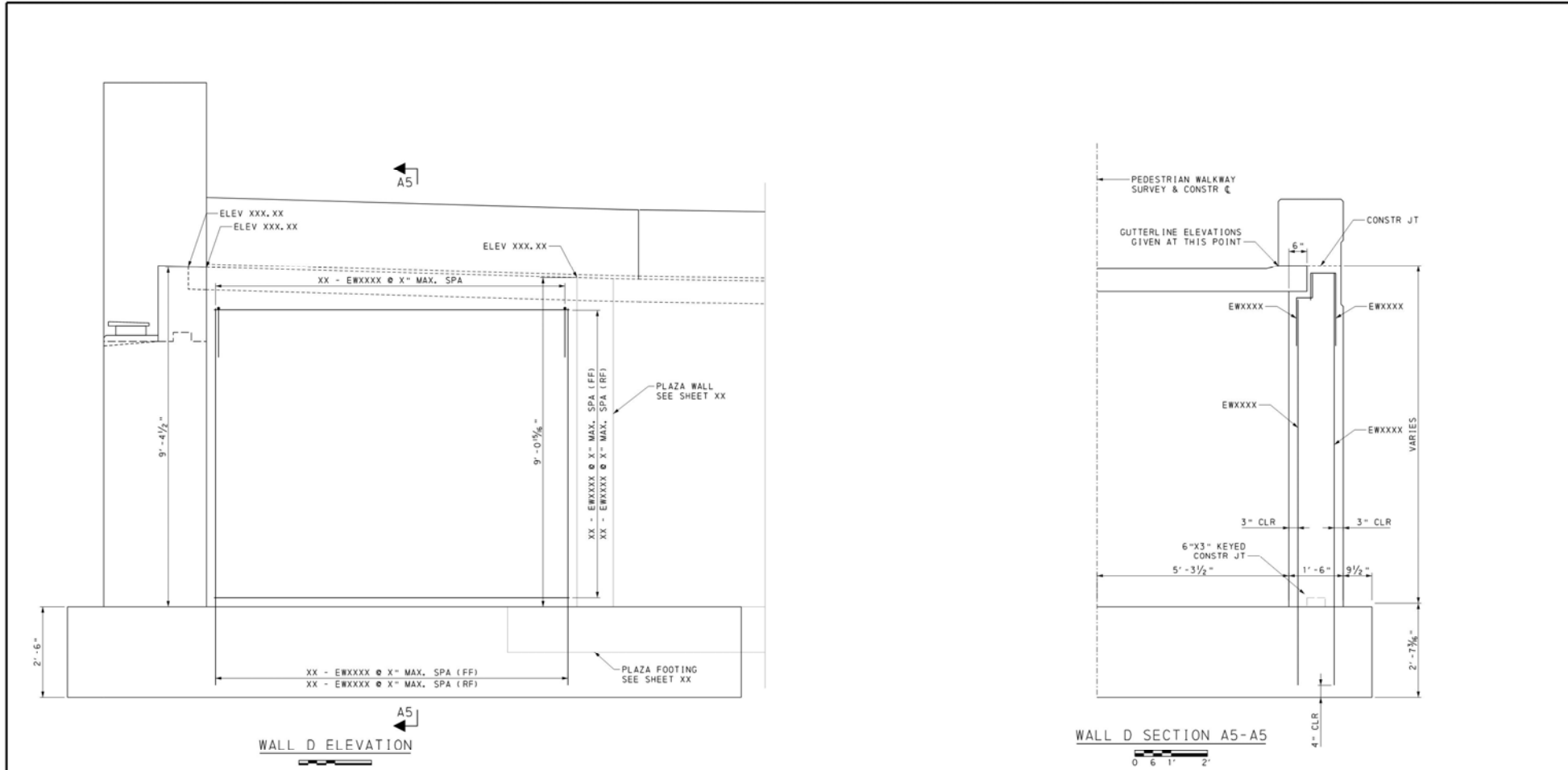


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R3437 AM  
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<b>90% SUBMISSION</b>	<b>Michael Baker</b> INTERNATIONAL AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300	 <b>NORFOLK SOUTHERN</b> RAILWAY COMPANY PITTSBURGH OPERATING DIVISION	PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE ABUTMENT 2 - FOOTING
	DATE: 02/12/24 TIME: 09:07:55 USER: BR527857 DATE: SEPTEMBER 25 2024	PROJECT: 1292918-04177 SHEET NO: PC-1.50 SHEET NO: 17 OF 52	

# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



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 20240926.dwg  
 mjb/dsp

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NOTES

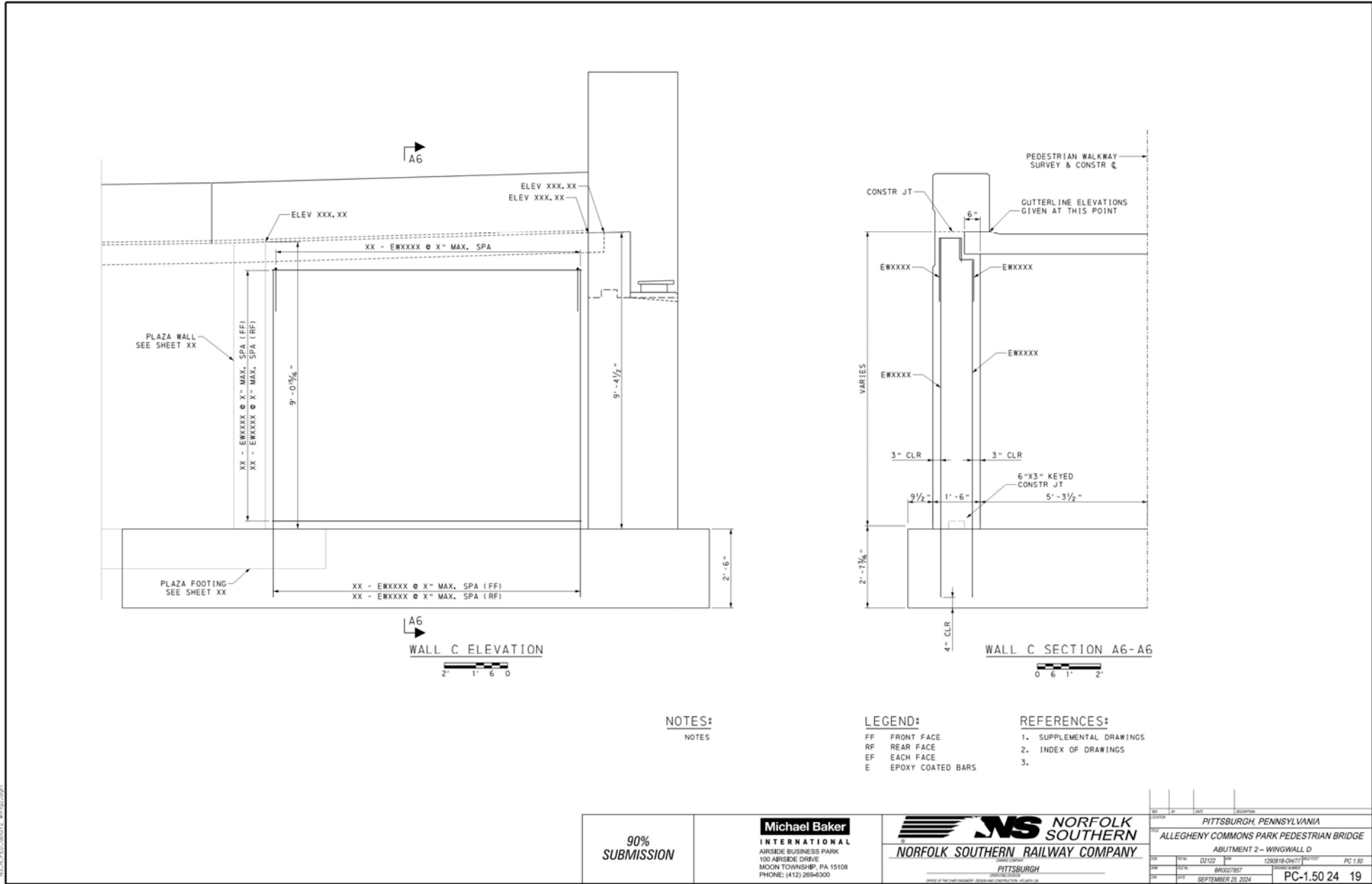
LEGEND:  
 FF FRONT FACE  
 RF REAR FACE  
 EF EACH FACE  
 E EPOXY COATED BARS

REFERENCES:  
 1. SUPPLEMENTAL DRAWINGS  
 2. INDEX OF DRAWINGS  
 3.

<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> <small>AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300</small>	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> <small>PITTSBURGH</small>	<small>NO. OF SHEETS</small> 18
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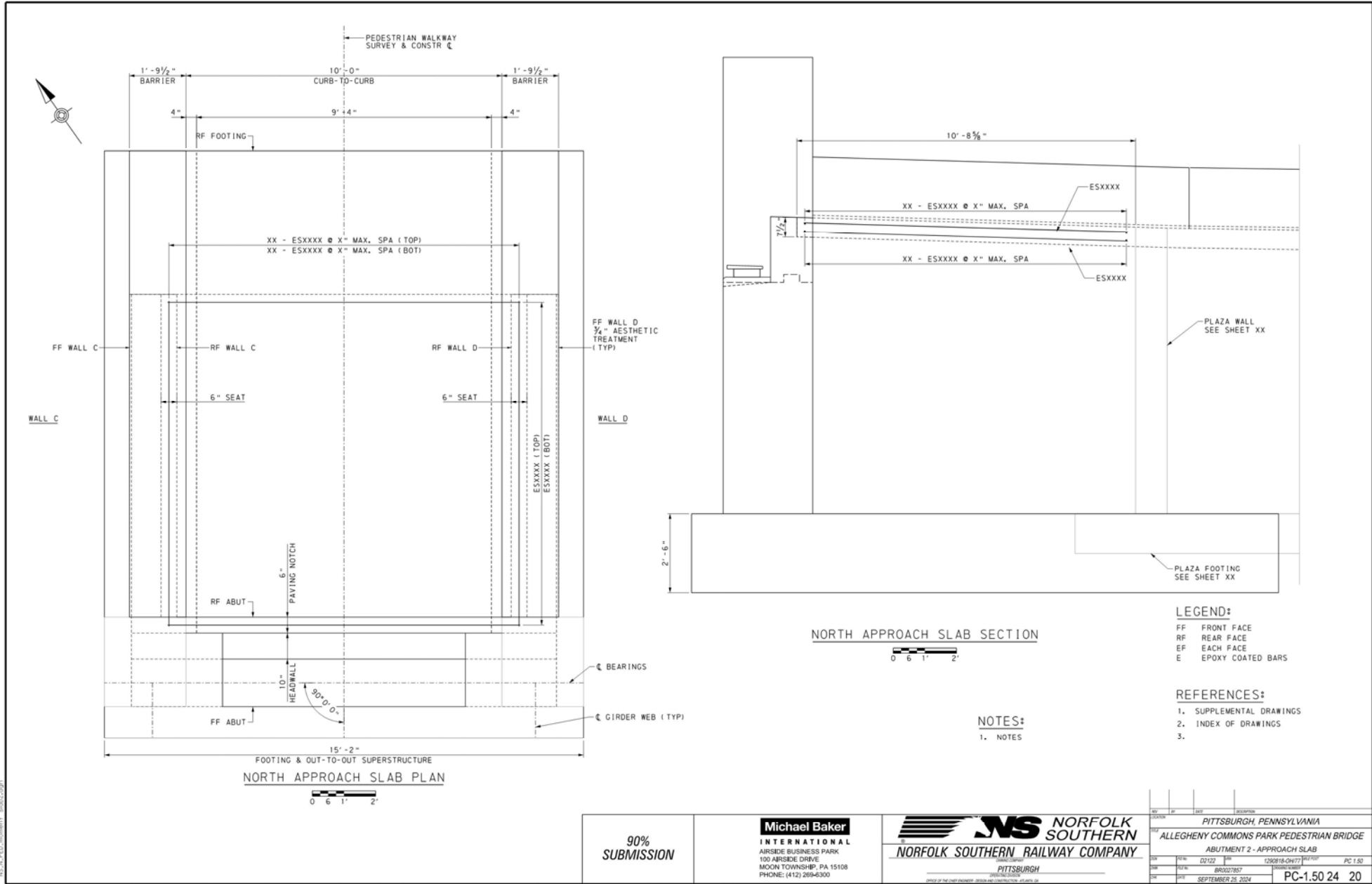
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

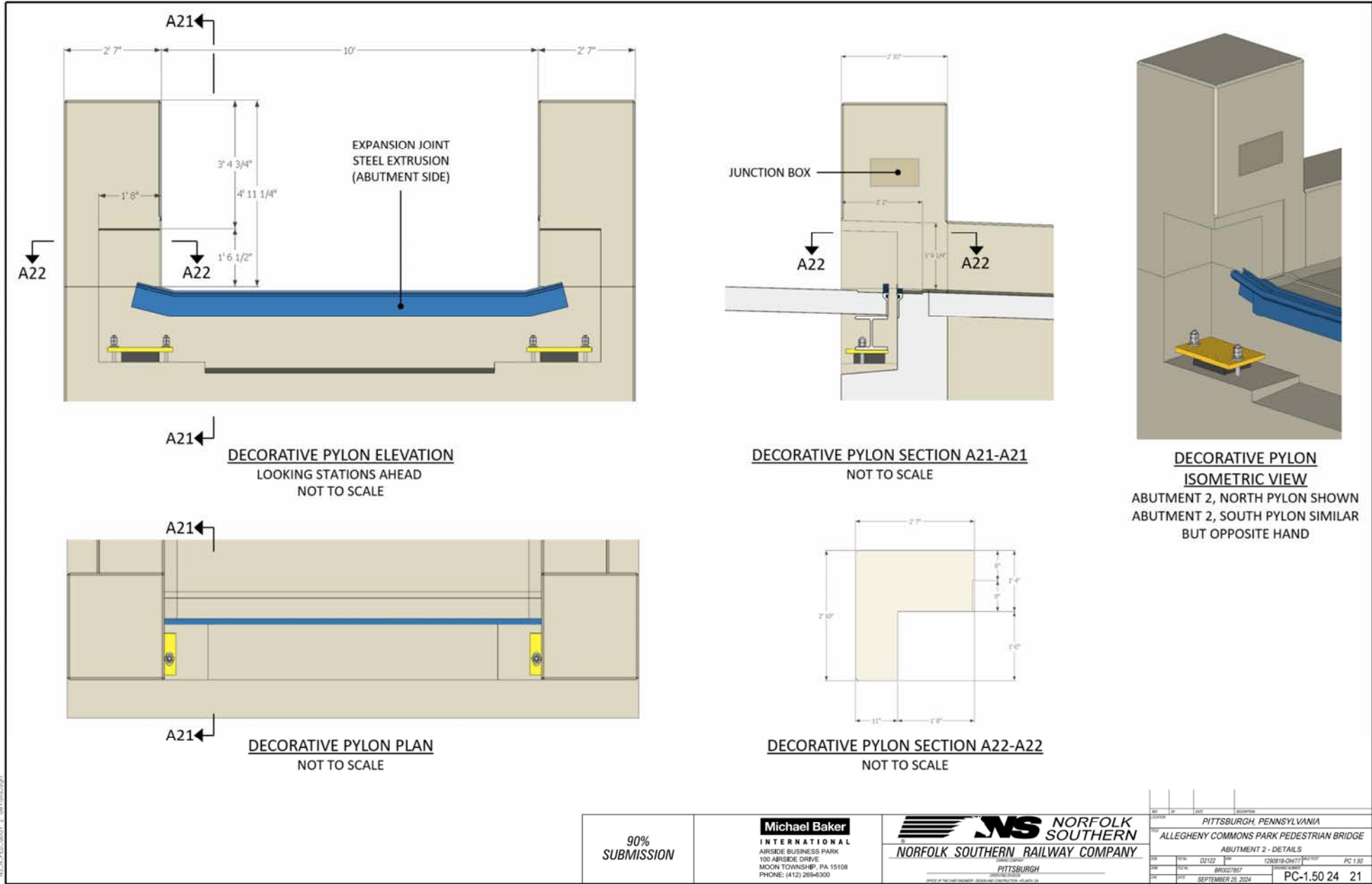


90%  
SUBMISSION

**Michael Baker**  
INTERNATIONAL  
AIRSIDE BUSINESS PARK  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 269-6300

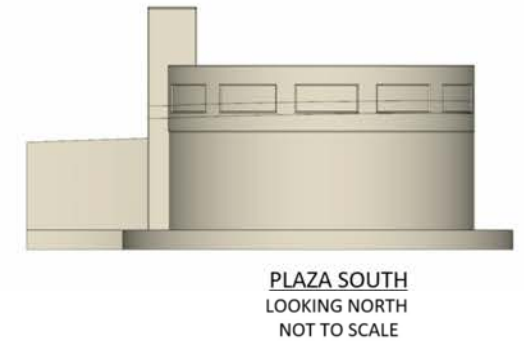
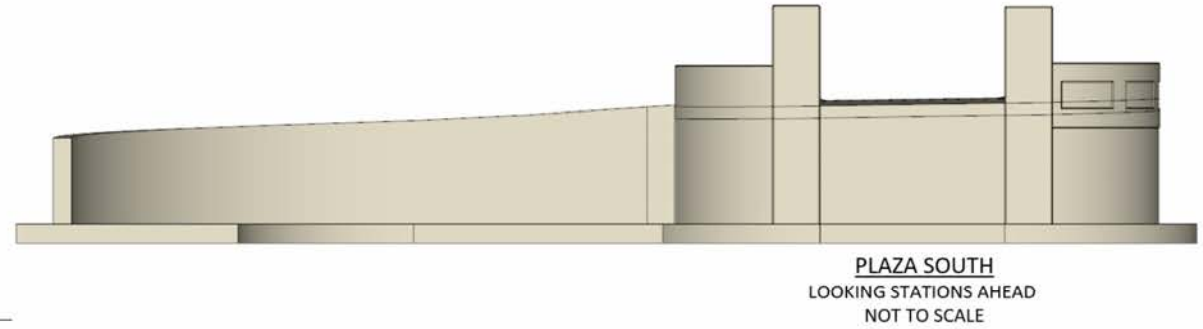
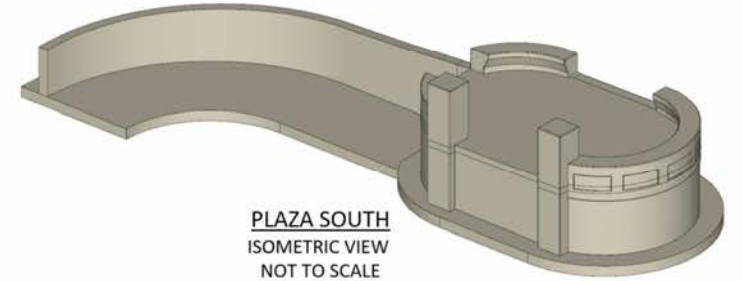
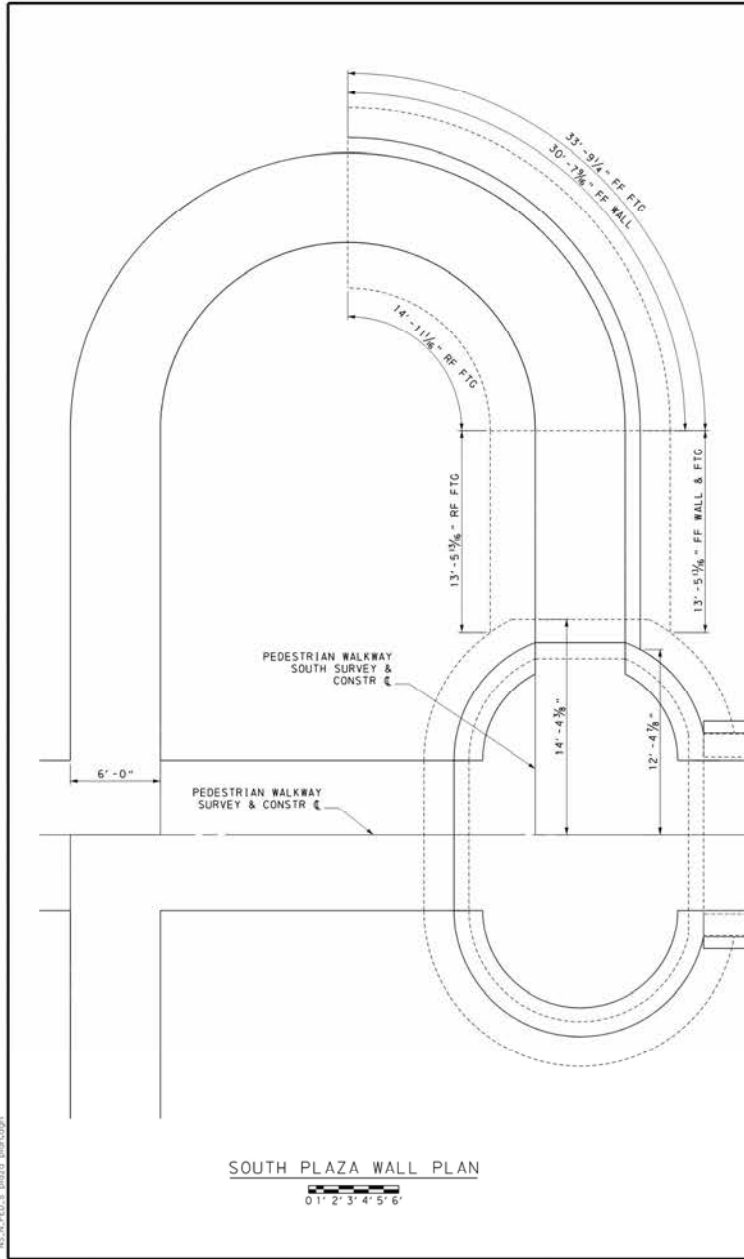
**NORFOLK SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY  
PITTSBURGH

NO.	DATE	BY	DESCRIPTION
001			PITTSBURGH, PENNSYLVANIA
002			ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE
003			ABUTMENT 2 - APPROACH SLAB
004	02/12/24	BR/02/2857	1250216-04177 02/27/24 PC 1.50
005	09/25/2024		SEPTEMBER 25, 2024 PC-1.50 24 20



9/26/2024  
 R3514 AM  
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<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> <small>AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300</small>	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> <small>PITTSBURGH</small>	<small>PITTSBURGH, PENNSYLVANIA</small> <b>ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE</b> ABUTMENT 2 - DETAILS	<small>DATE</small> 02/12/24 <small>BY</small> BR527857 <small>DATE</small> SEPTEMBER 25, 2024	<small>PROJECT NO.</small> 120218-0417 <small>SCALE</small> PC 1:50 <b>PC-1.50 24 21</b>
			SHEET NO. 21 OF 52		



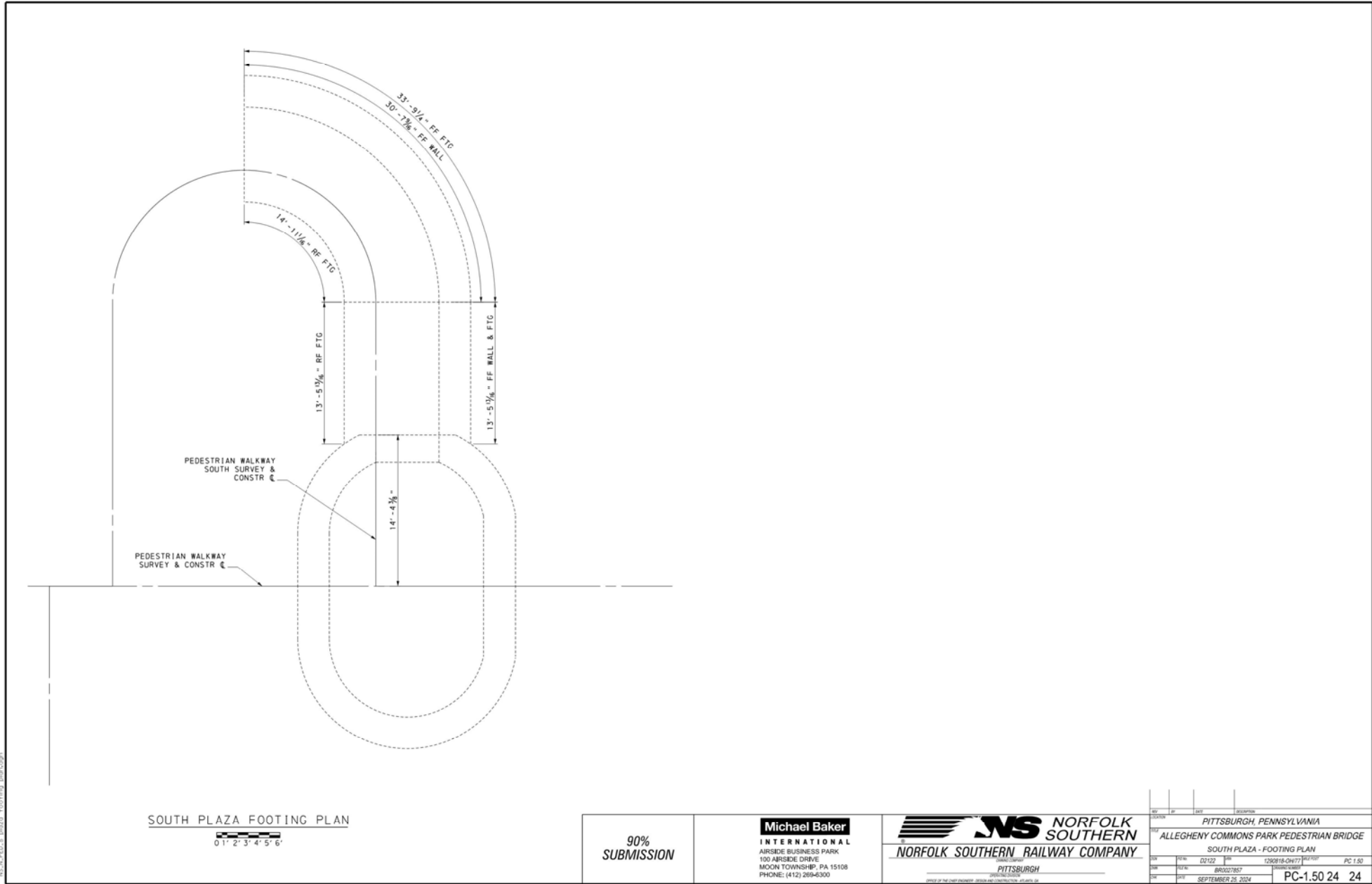
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			PITTSBURGH, PENNSYLVANIA <b>ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE</b> SOUTH PLAZA - PLAN & ELEVATION DATE: 02/12/24 DRAWN BY: BR/027857 CHECKED BY: [blank] DATE: SEPTEMBER 25, 2024

PC 1.50  
PC-1.50 24 23  
SHEET NO. 23 OF 52

# Backup Slides and Plans

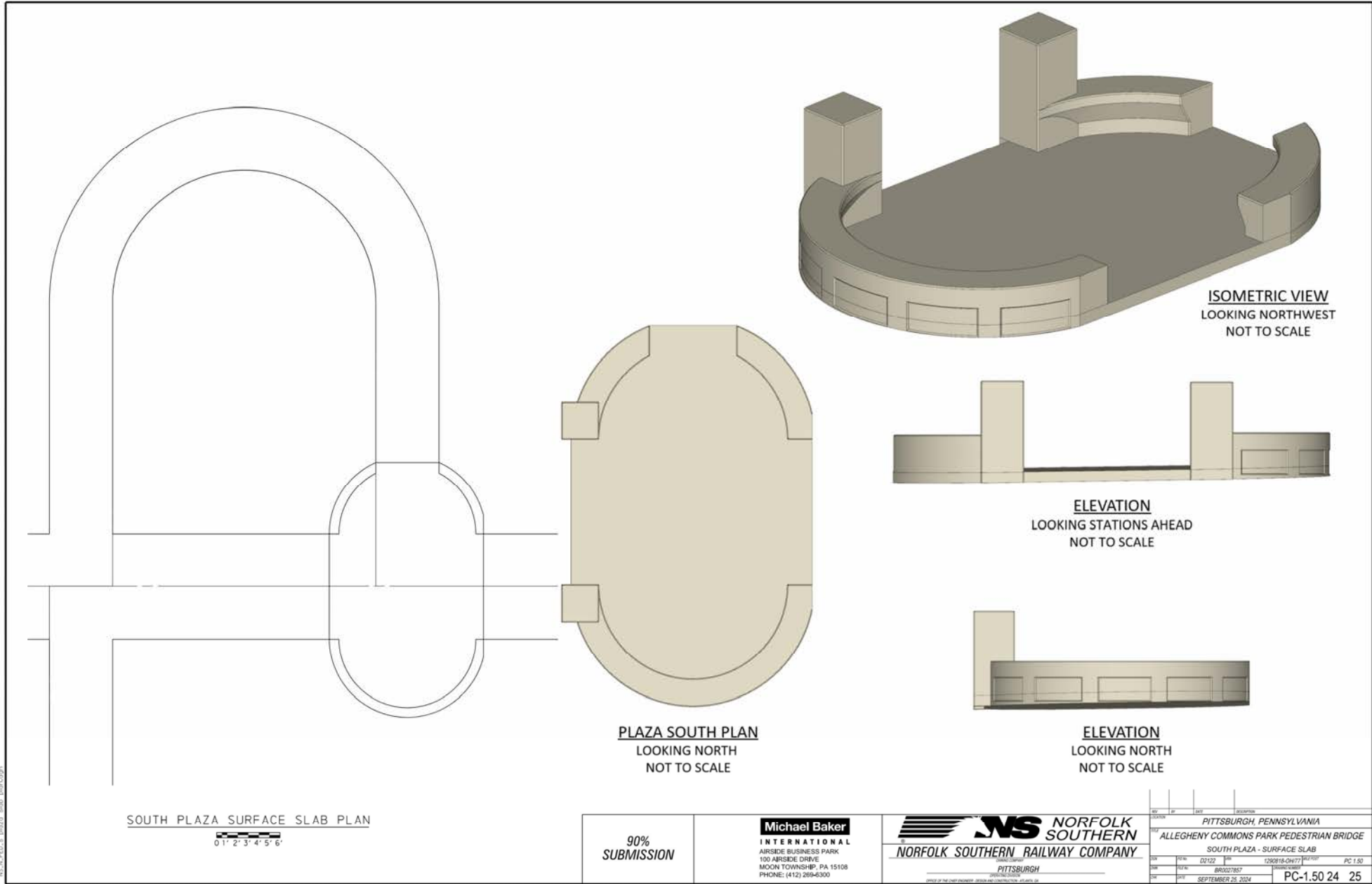
# Allegheny Commons Pedestrian Bridge Project

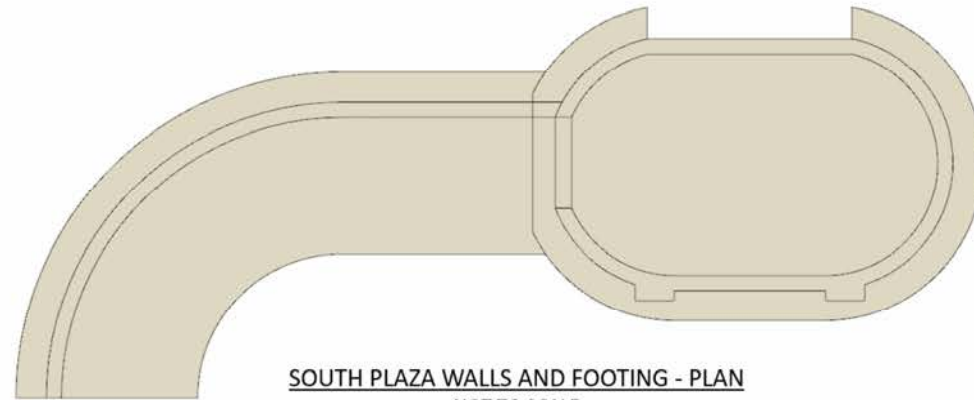


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 9/26/2024

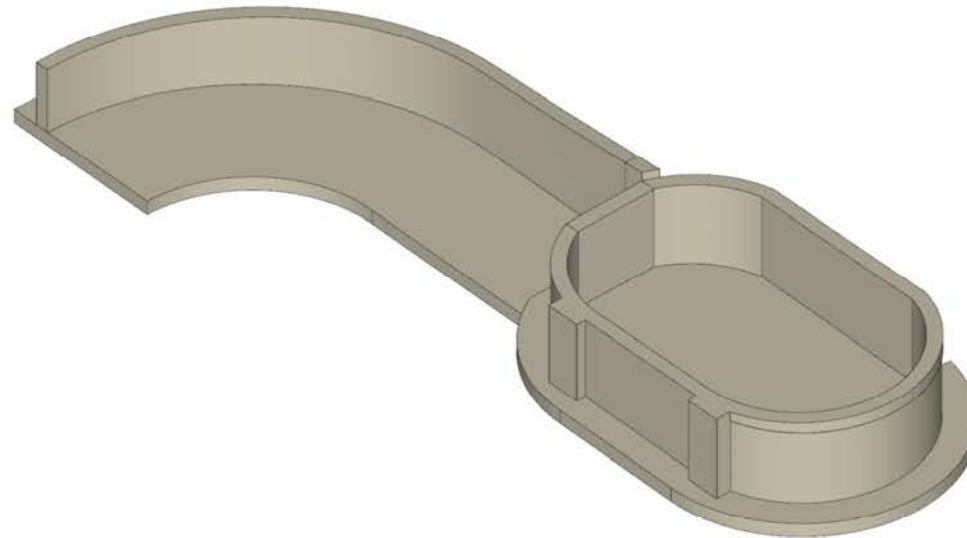
<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> <small>AIRSIDE BUSINESS PARK                  100 AIRSIDE DRIVE                  MOON TOWNSHIP, PA 15108                  PHONE: (412) 269-6300</small>	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> <small>PITTSBURGH</small>	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52
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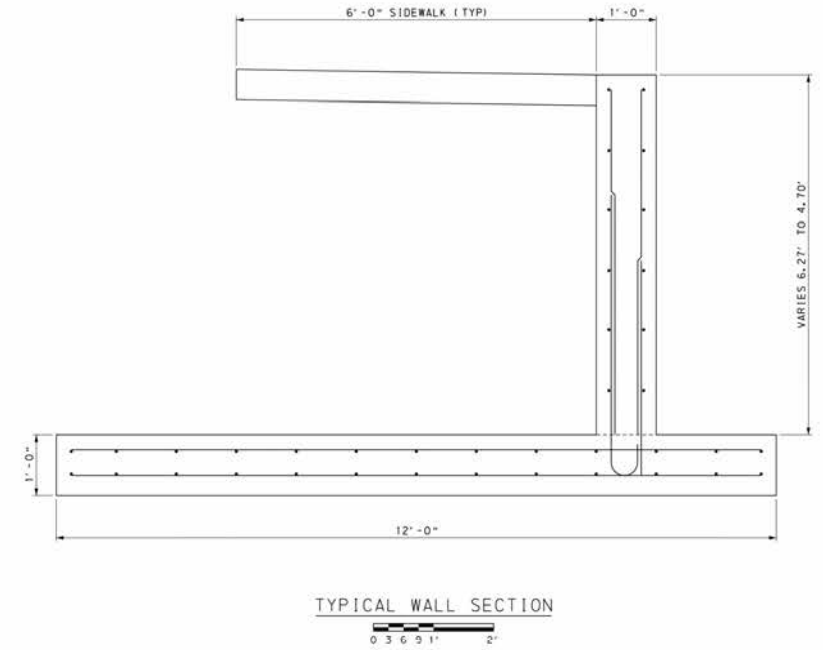




**SOUTH PLAZA WALLS AND FOOTING - PLAN**  
NOT TO SCALE



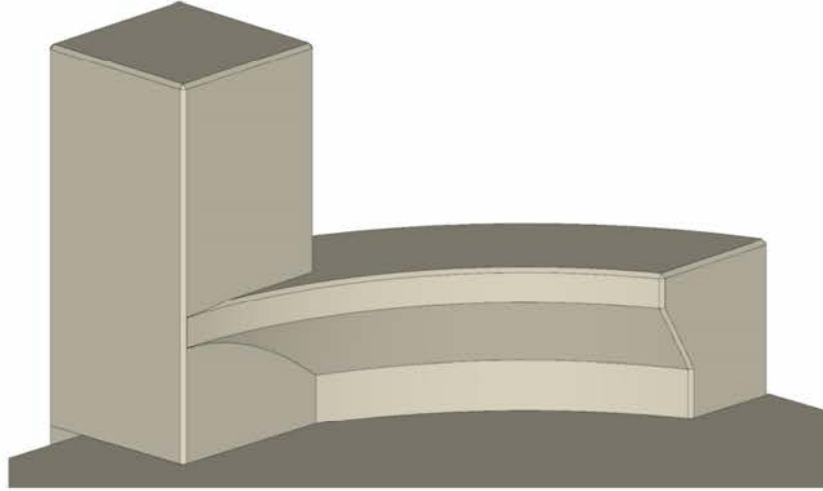
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NOT TO SCALE



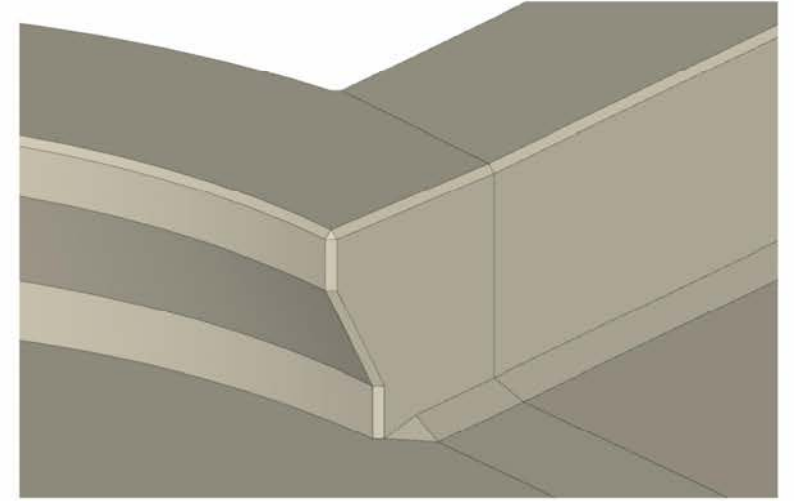
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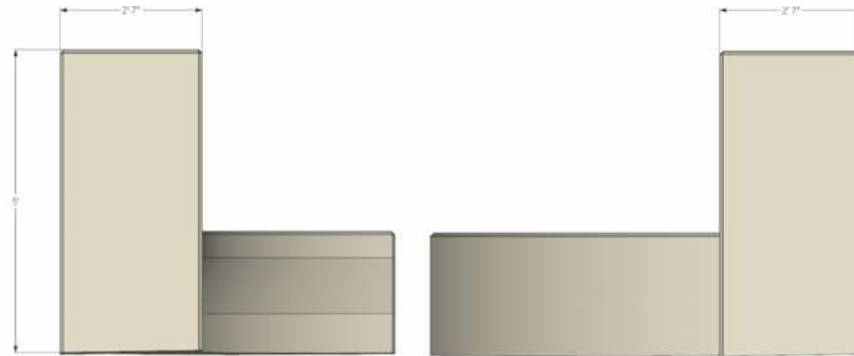
<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> PITTSBURGH	PITTSBURGH, PENNSYLVANIA
			ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE SOUTH PLAZA - SECTIONS
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		BR527857	24 26
		SEPTEMBER 25, 2024	SHEET NO. 26 OF 52



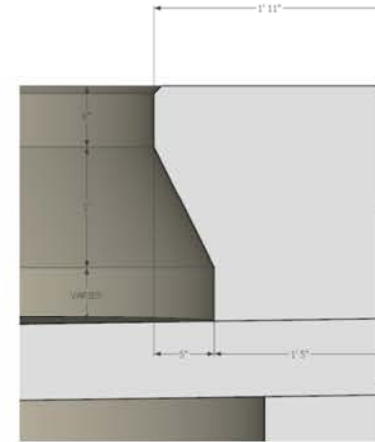
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NOT TO SCALE



**SOUTH PLAZA TO ABUTMENT 1 APPROACH SLAB INTERFACE**  
ISOMETRIC VIEW  
NOT TO SCALE



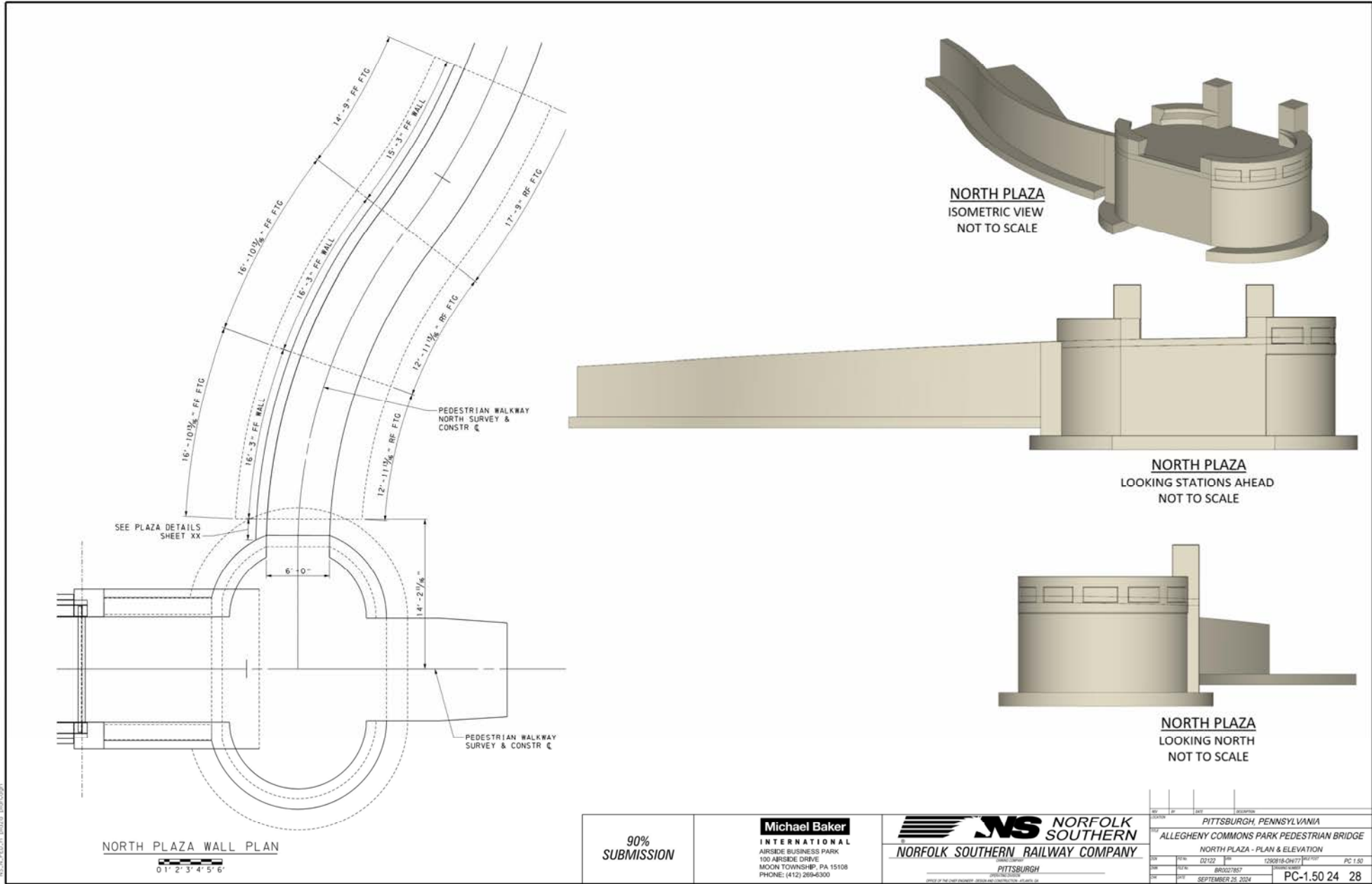
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NOT TO SCALE



**BENCH CROSS SECTION**  
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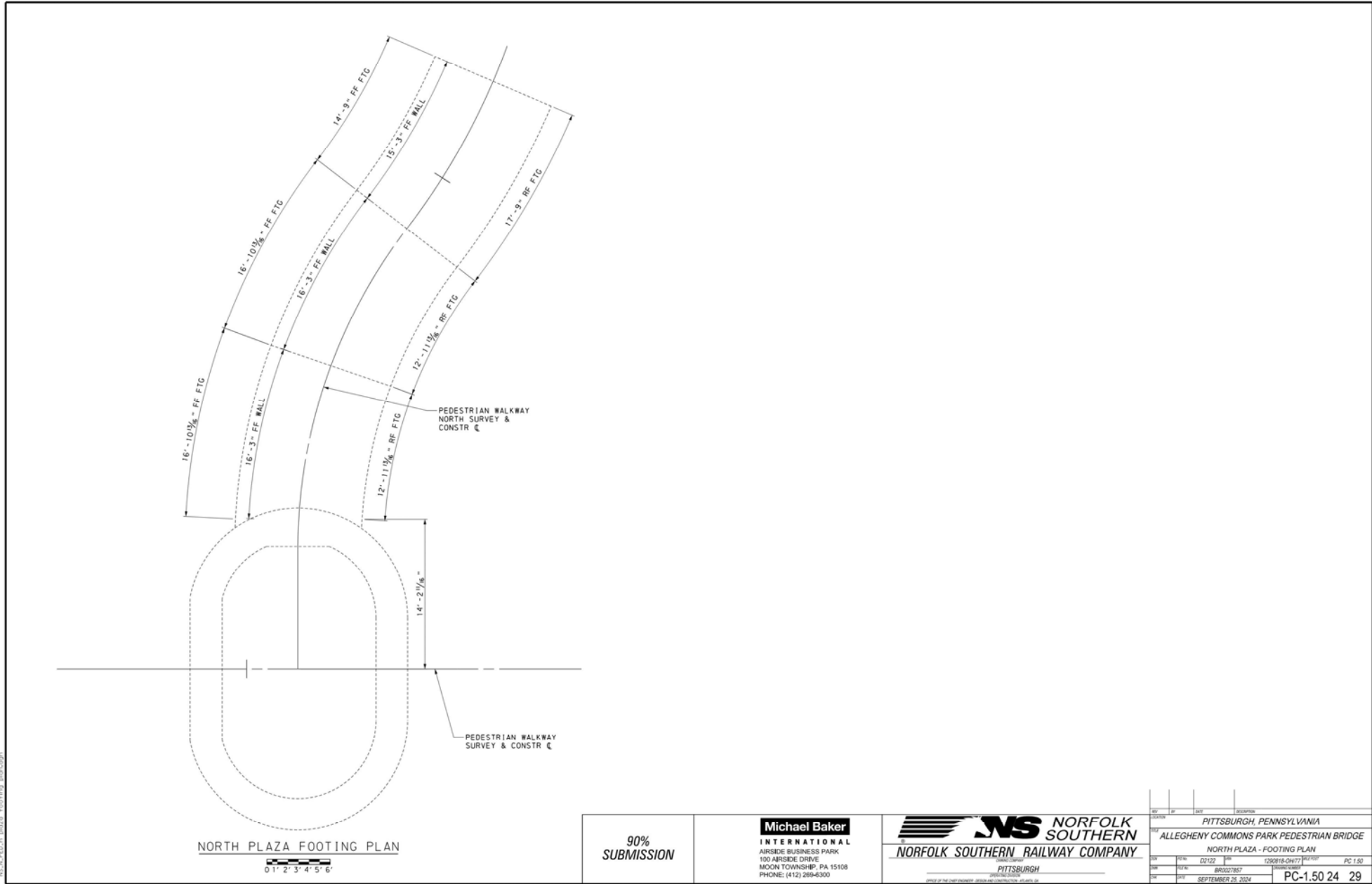
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<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b>	SHEET NO. 27 OF 52 PROJECT NO. BR027857 DATE: SEPTEMBER 25, 2024
			PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE SOUTH PLAZA - DETAILS PC 1.50



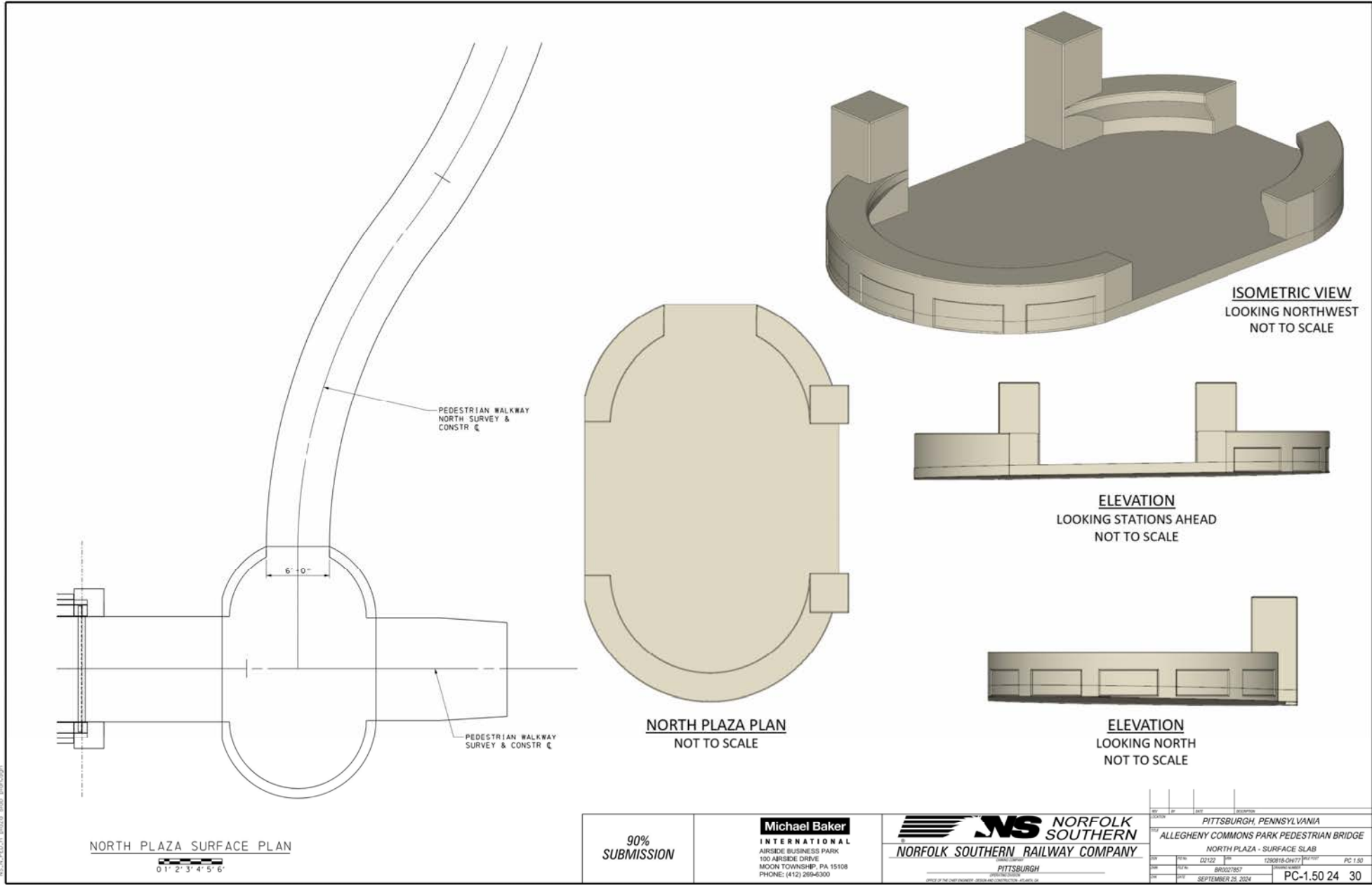
# Backup Slides and Plans

## Allegheny Commons Pedestrian Bridge Project



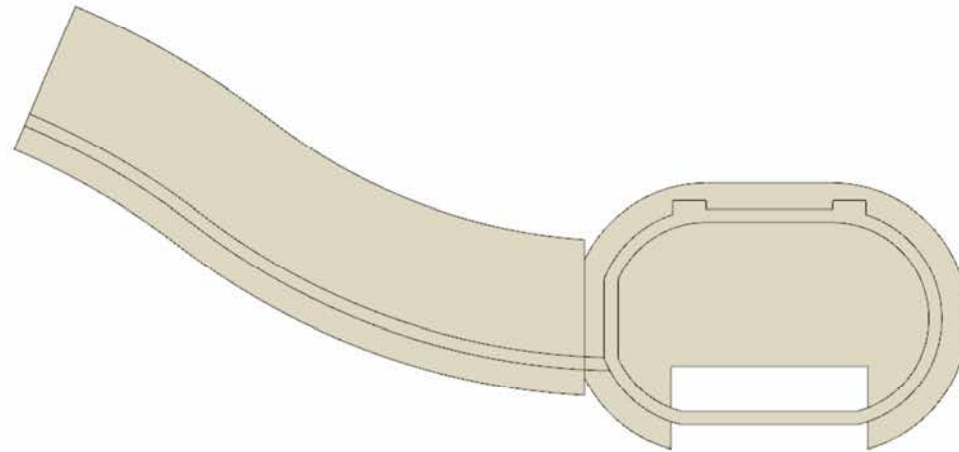
# Backup Slides and Plans

## Allegheny Commons Pedestrian Bridge Project

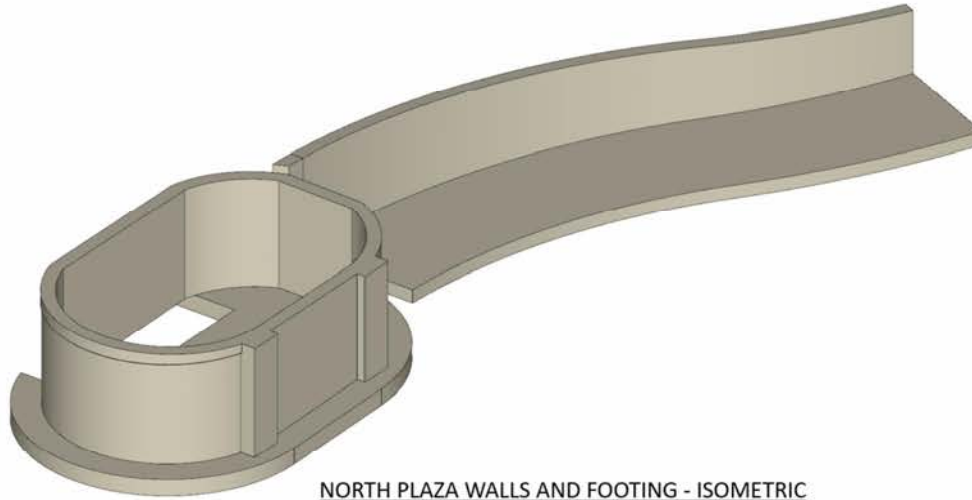


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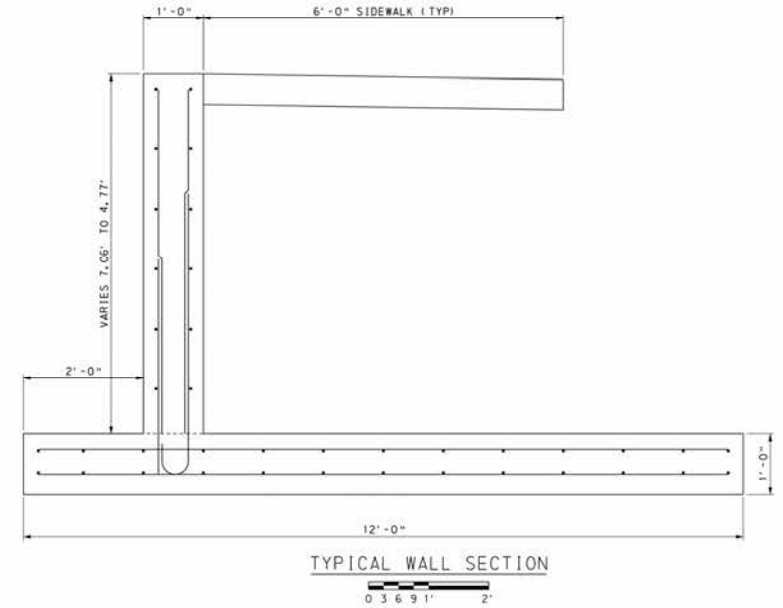
## Allegheny Commons Pedestrian Bridge Project



**NORTH PLAZA WALLS AND FOOTING - PLAN**  
NOT TO SCALE



**NORTH PLAZA WALLS AND FOOTING - ISOMETRIC**  
NOT TO SCALE



**TYPICAL WALL SECTION**

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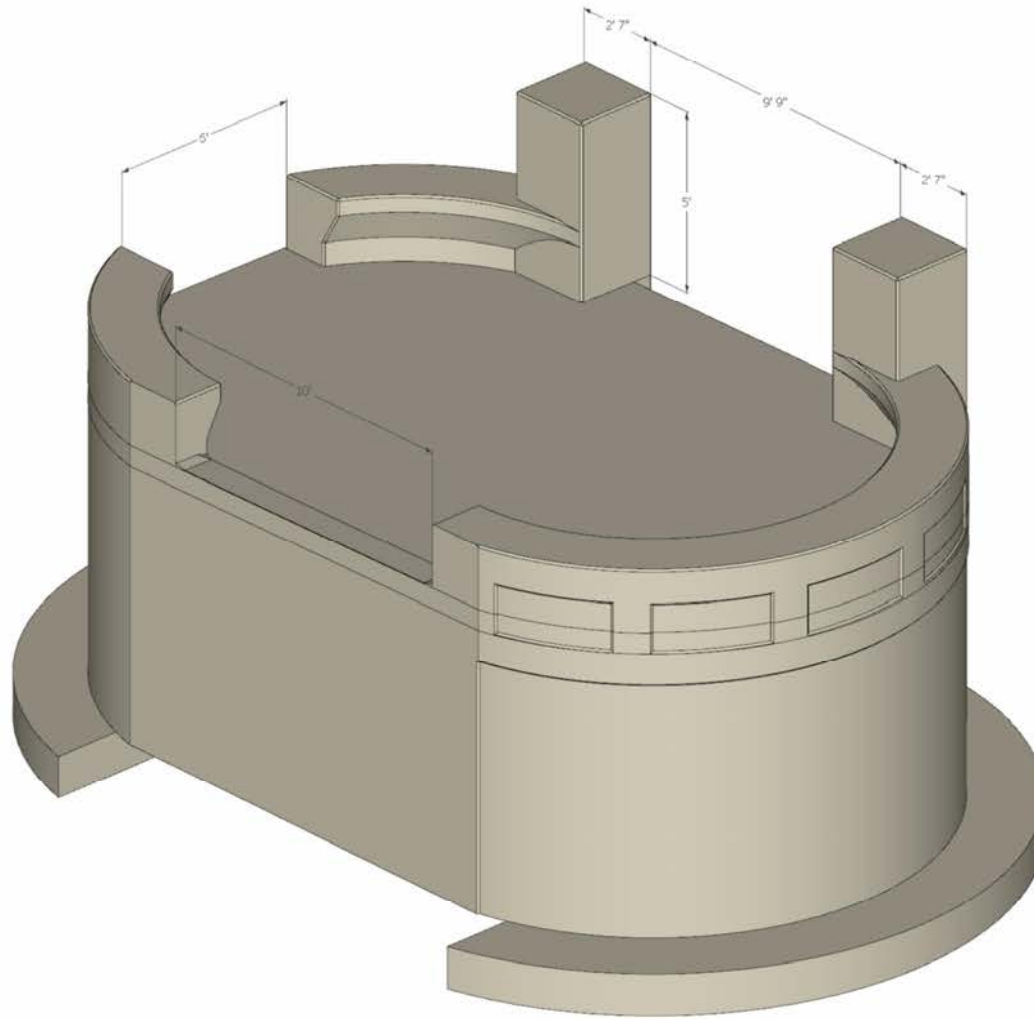
90%  
SUBMISSION

**Michael Baker**

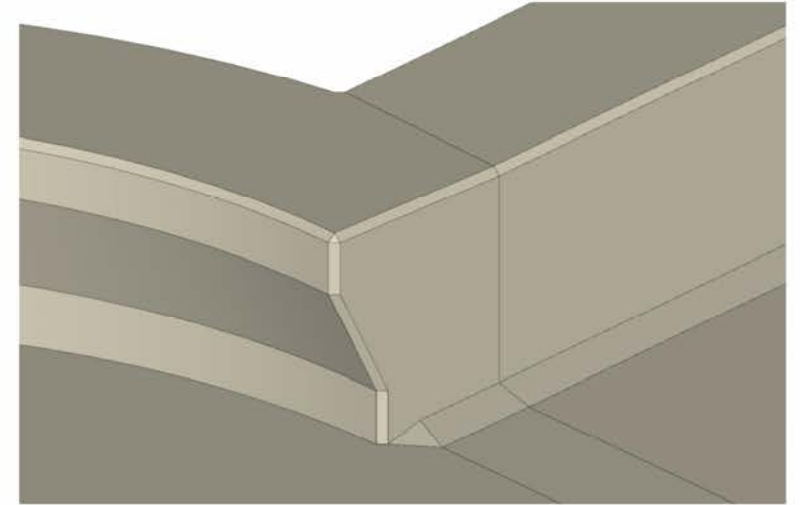
**INTERNATIONAL**  
AIRSIDE BUSINESS PARK  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 269-6300



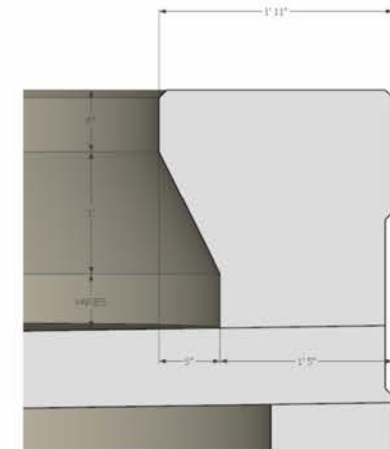
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ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE	
NORTH PLAZA - SECTIONS	
DATE	DESCRIPTION
09/25/24	1250218-04177
09/25/24	BR5027857
09/25/24	SEPTEMBER 25, 2024
PC 1.50	PC-1.50 24 31



**BENCH-PYLON INTERFACE**  
ISOMETRIC VIEW  
NOT TO SCALE



**NORTH PLAZA TO ABUTMENT 2 APPROACH SLAB INTERFACE**  
ISOMETRIC VIEW  
NOT TO SCALE

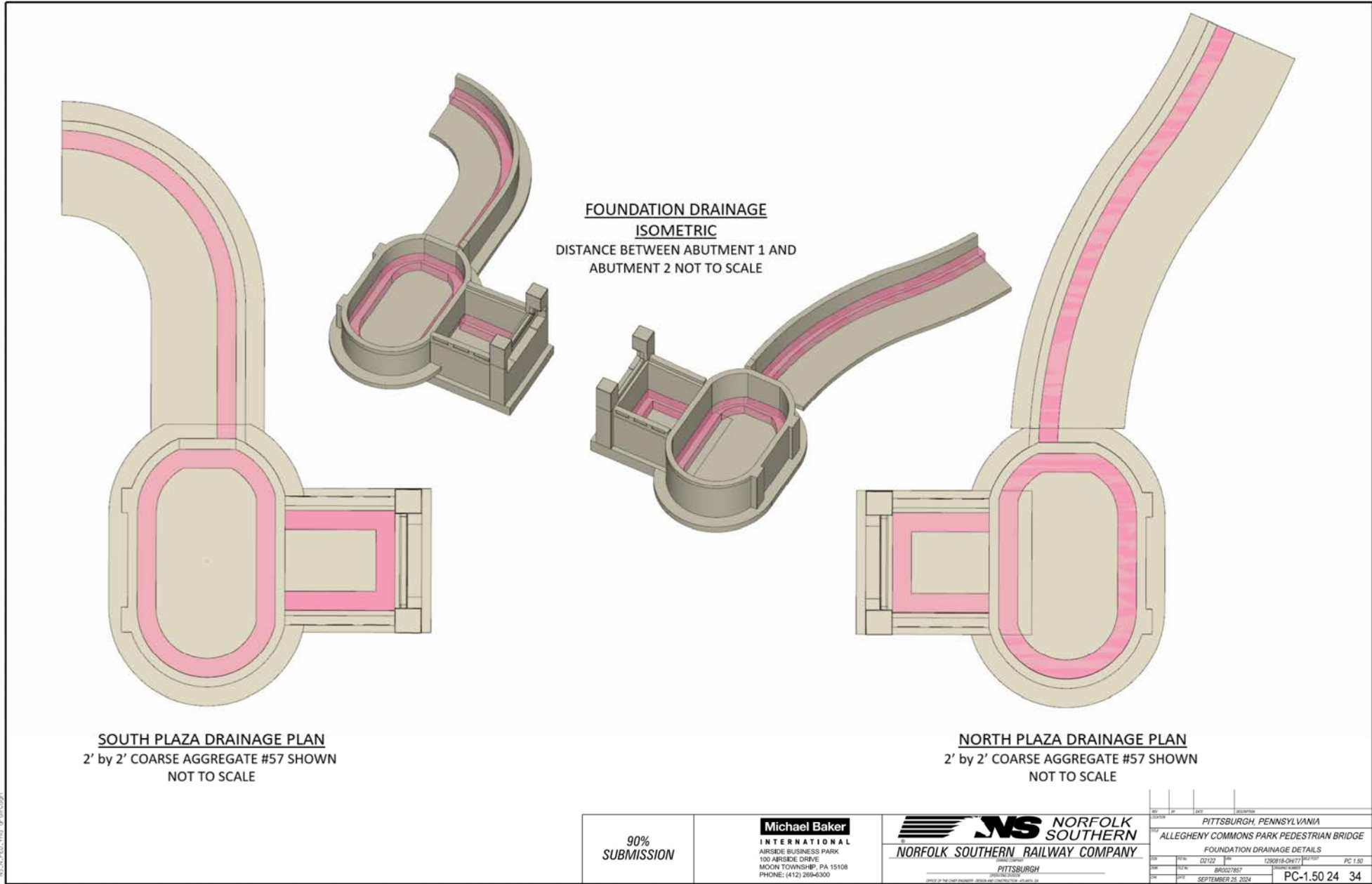


**BENCH CROSS SECTION**  
NOT TO SCALE

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<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300	<b>NORFOLK SOUTHERN RAILWAY COMPANY</b> PITTSBURGH	PITTSBURGH, PENNSYLVANIA
			ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE NORTH PLAZA - DETAILS
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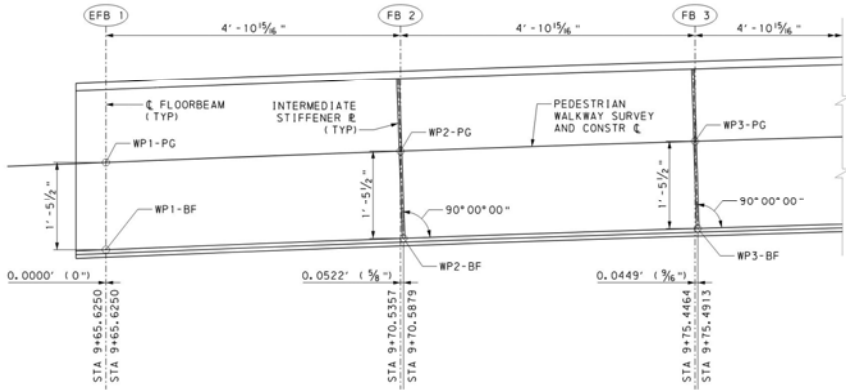
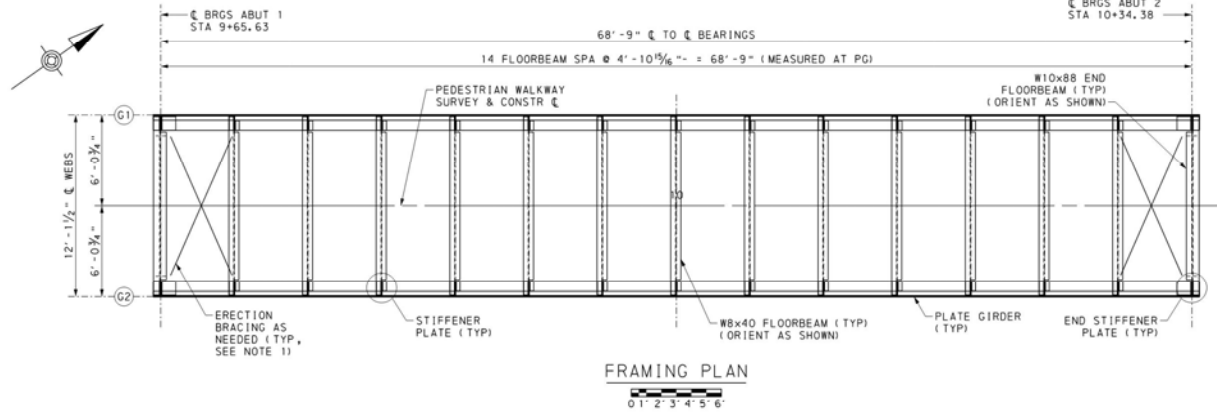


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<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> <small>AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300</small>	 <b>NORFOLK SOUTHERN</b> <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> <small>PITTSBURGH</small>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: right;">PITTSBURGH, PENNSYLVANIA</td> </tr> <tr> <td colspan="2" style="text-align: center;">ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE</td> </tr> <tr> <td colspan="2" style="text-align: center;">FOUNDATION DRAINAGE DETAILS</td> </tr> <tr> <td style="font-size: 8px;"> <small>REV</small> </td> <td style="font-size: 8px;"> <small>DATE</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>BY</small> </td> <td style="font-size: 8px;"> <small>APP'D</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>CHK'D</small> </td> <td style="font-size: 8px;"> <small>DATE</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>DESIGNED BY</small> </td> <td style="font-size: 8px;"> <small>DATE</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>PROJECT NO.</small> </td> <td style="font-size: 8px;"> <small>SCALE</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>DATE</small> </td> <td style="font-size: 8px;"> <small>PC 1.50</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>SEPTEMBER 25, 2024</small> </td> <td style="font-size: 8px;"> <small>PITTSBURGH</small> </td> </tr> <tr> <td style="font-size: 8px;"> <small>PC-1.50 24</small> </td> <td style="font-size: 8px;"> <small>34</small> </td> </tr> <tr> <td colspan="2" style="font-size: 8px; text-align: right;"> <small>SHEET NO. 34 OF 52</small> </td> </tr> </table>	PITTSBURGH, PENNSYLVANIA		ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE		FOUNDATION DRAINAGE DETAILS		<small>REV</small>	<small>DATE</small>	<small>BY</small>	<small>APP'D</small>	<small>CHK'D</small>	<small>DATE</small>	<small>DESIGNED BY</small>	<small>DATE</small>	<small>PROJECT NO.</small>	<small>SCALE</small>	<small>DATE</small>	<small>PC 1.50</small>	<small>SEPTEMBER 25, 2024</small>	<small>PITTSBURGH</small>	<small>PC-1.50 24</small>	<small>34</small>	<small>SHEET NO. 34 OF 52</small>	
PITTSBURGH, PENNSYLVANIA																											
ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE																											
FOUNDATION DRAINAGE DETAILS																											
<small>REV</small>	<small>DATE</small>																										
<small>BY</small>	<small>APP'D</small>																										
<small>CHK'D</small>	<small>DATE</small>																										
<small>DESIGNED BY</small>	<small>DATE</small>																										
<small>PROJECT NO.</small>	<small>SCALE</small>																										
<small>DATE</small>	<small>PC 1.50</small>																										
<small>SEPTEMBER 25, 2024</small>	<small>PITTSBURGH</small>																										
<small>PC-1.50 24</small>	<small>34</small>																										
<small>SHEET NO. 34 OF 52</small>																											

# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project



- LEGEND:**
- WP WORK POINT
  - G2 GIRDER NUMBER
  - EFB 1 END FLOORBEAM NUMBER
  - FB 2 FLOORBEAM NUMBER
  - WPX-PG WORK POINT OF FLOORBEAM X, ALONG PROFILE GRADE
  - WPX-BF WORK POINT OF FLOORBEAM X, ALONG TOP FACE OF BOTTOM FLANGE PLATE
  - \* LOCATION IS APPROXIMATE. THE STATIONS FOR THE WORKPOINTS DO NOT ALIGN WITH THE STATIONS OF THE CENTER AXES OF THE FLOORBEAMS.

**WORK POINT STATIONS AND ELEVATIONS**

WP ID	LOCATION	STATION	ELEVATION	WP ID	STATION	ELEVATION
WP1-PG	CL BRG ABUT 1	9+65.6250	769.2937	WP1-BF	9+65.6250	767.8354
WP2-PG	FB 2 *	9+70.5357	769.4818	WP2-BF	9+70.5879	768.0253
WP3-PG	FB 3 *	9+75.4464	769.6455	WP3-BF	9+75.4913	768.1886
WP4-PG	FB 4 *	9+80.3571	769.7846	WP4-BF	9+80.3947	768.3272
WP5-PG	FB 5 *	9+85.2679	769.8989	WP5-BF	9+85.2981	768.4412
WP6-PG	FB 6 *	9+90.1786	769.9885	WP6-BF	9+90.2015	768.5305
WP7-PG	FB 7 *	9+95.0893	770.0534	WP7-BF	9+95.1049	768.5952
WP8-PG	FB 8 *	10+00.0000	770.0935	WP8-BF	10+00.0083	768.6353
WP9-PG	FB 9 *	10+04.9107	770.1090	WP9-BF	10+04.9116	768.6507
WP10-PG	FB 10 *	10+09.8214	770.0997	WP10-BF	10+09.8150	768.6414
WP11-PG	FB 11 *	10+14.7321	770.0657	WP11-BF	10+14.7184	768.6075
WP12-PG	FB 12 *	10+19.6429	770.0070	WP12-BF	10+19.6218	768.5490
WP13-PG	FB 13 *	10+24.5536	769.9236	WP13-BF	10+24.5251	768.4658
WP14-PG	FB 14 *	10+29.4643	769.8155	WP14-BF	10+29.4285	768.3580
WP15-PG	CL BRG ABUT 2	10+34.3750	769.6830	WP15-BF	10+34.3750	768.2247

- REFERENCES:**
- SUPPLEMENTAL DRAWINGS 01
  - GENERAL PLAN & ELEVATION 01
  - INDEX OF DRAWINGS 04
  - GENERAL NOTES 02 - 03
  - GIRDER DETAILS 36 - 30

- NOTES:**
- THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY BRACING THE GIRDERS.
  - FOUR (4) DECIMAL PLACES FOR WORKPOINT STATIONS AND ELEVATIONS ARE PROVIDED FOR COMPUTATIONAL PURPOSES ONLY AND DO NOT IMPLY A PRECISION BEYOND ONE SIXTEENTH (1/16) OF AN INCH.

8/4/09 AM 10:30:00 AM 10/7/2024

**90%  
SUBMISSION**

**Michael Baker  
INTERNATIONAL**  
AIRSIDE BUSINESS PARK  
100 AIRSIDE DRIVE  
MOON TOWNSHIP, PA 15108  
PHONE: (412) 269-6300

**NORFOLK  
SOUTHERN**  
NORFOLK SOUTHERN RAILWAY COMPANY

REV


DATE 02/12/22 BY 1202016-04777 APP'D PC 1.50

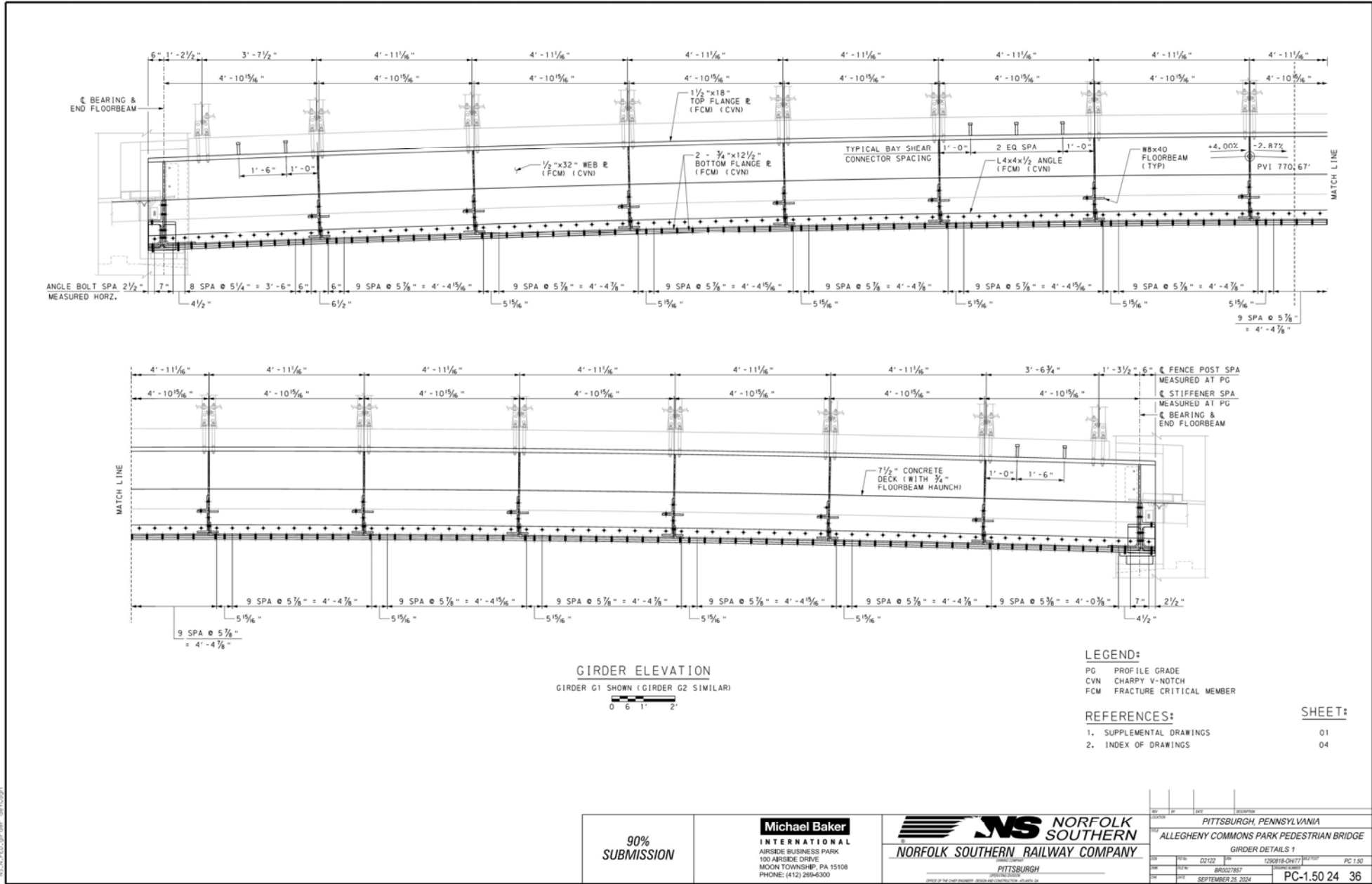
DATE 09/25/2024 BY BR027857 APP'D BR027857

**PC-1.50 24 35**

SHEET NO. 35 OF 52

# Backup Slides and Plans

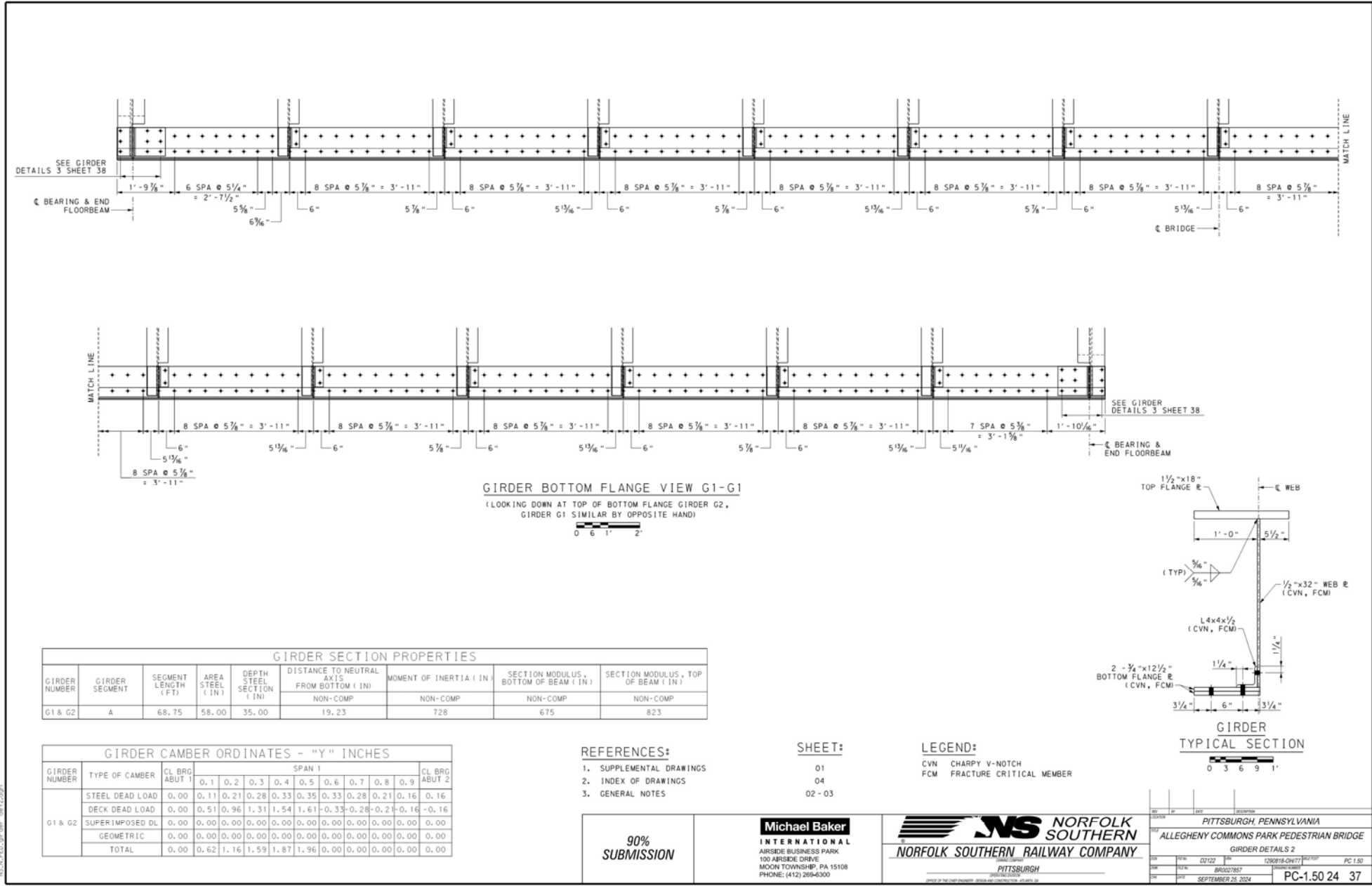
# Allegheny Commons Pedestrian Bridge Project



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# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

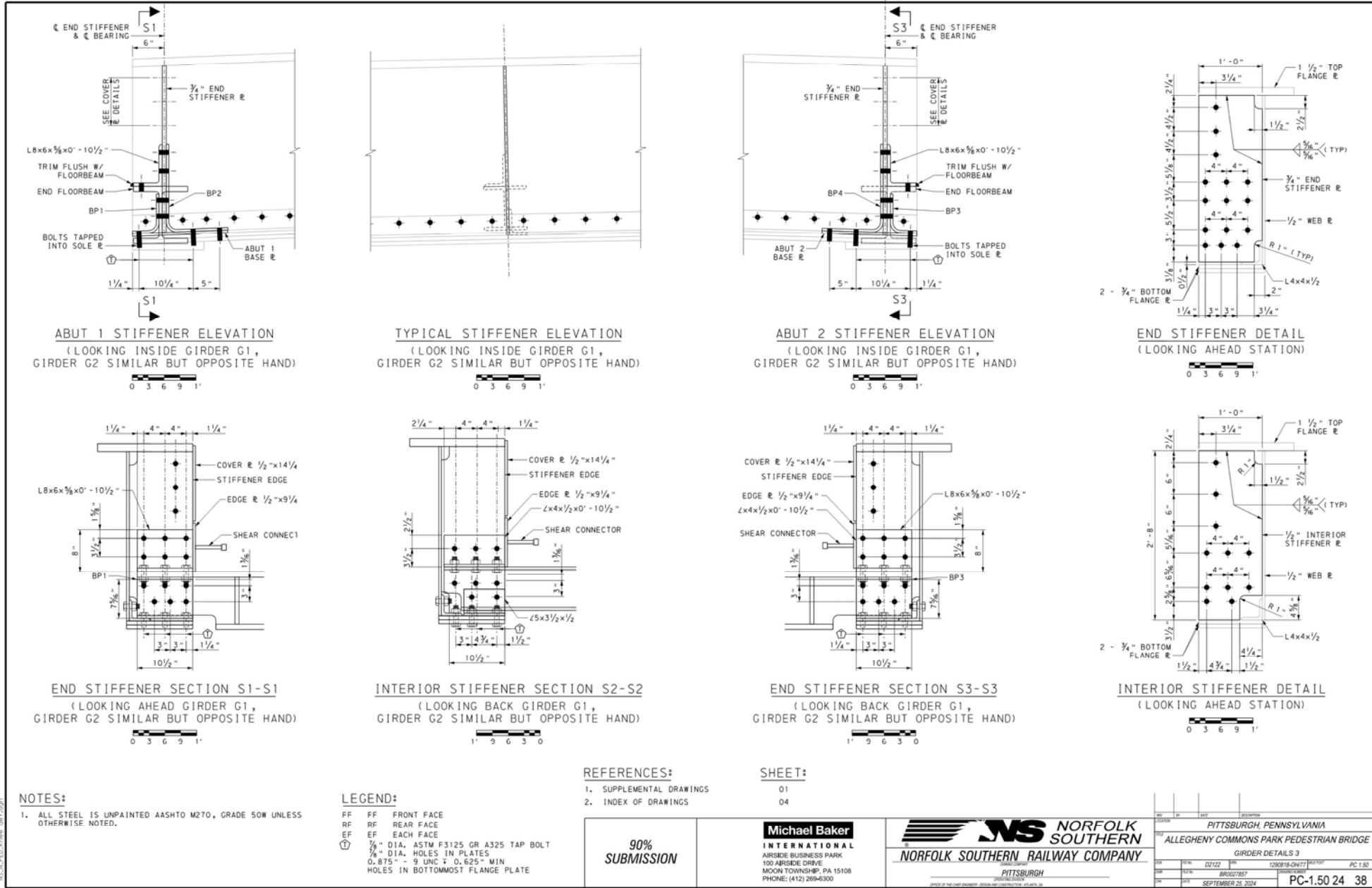


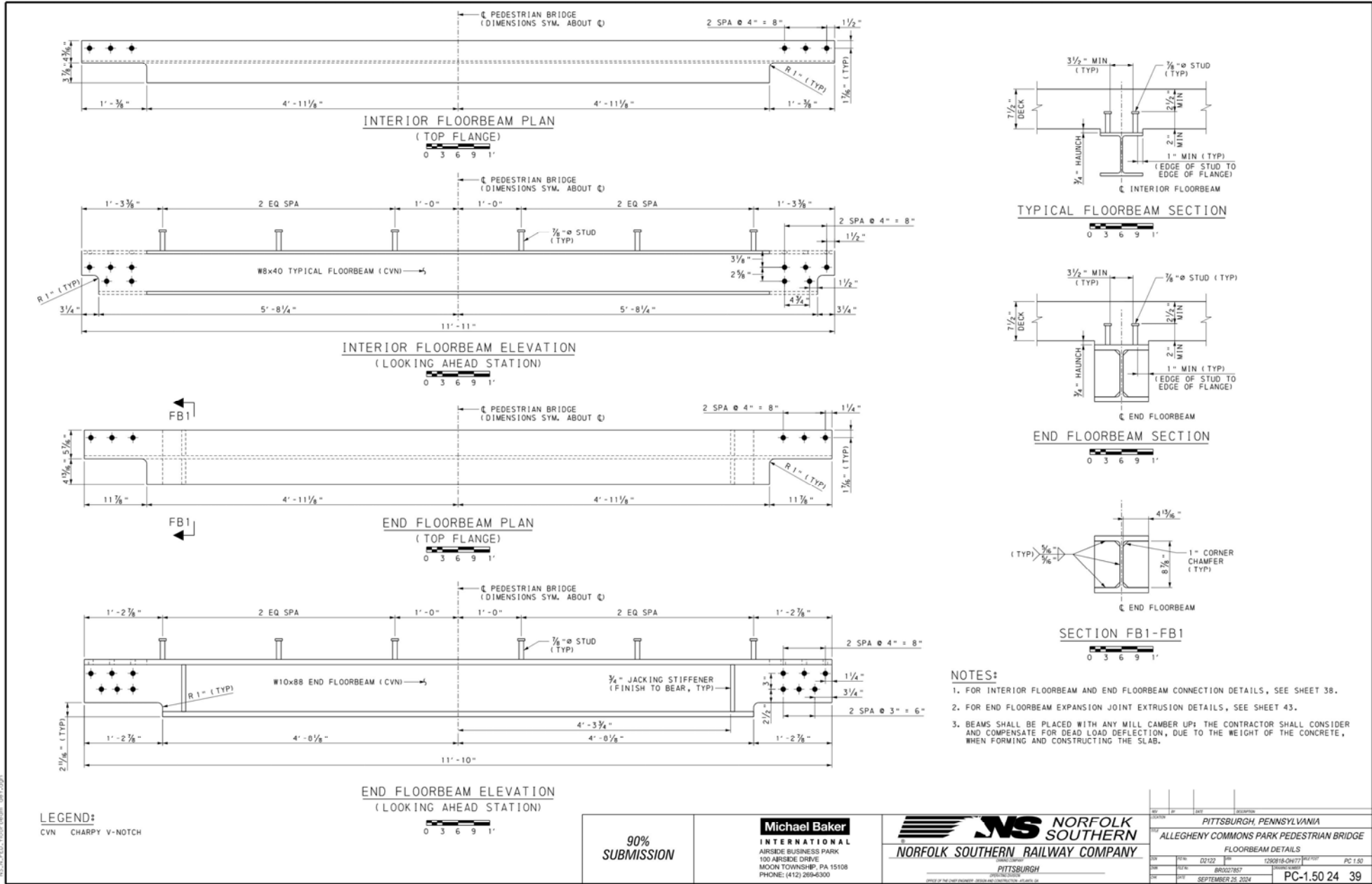
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<b>90% SUBMISSION</b>	<b>Michael Baker INTERNATIONAL</b> <small>AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300</small>	 <b>NORFOLK SOUTHERN RAILWAY COMPANY</b> <small>PITTSBURGH</small>	<small>PITTSBURGH, PENNSYLVANIA</small> <b>ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE</b> <b>GIRDER DETAILS 2</b> <small>DATE: 02/22 2024                  DRAWN BY: BR/27857                  CHECKED BY: [blank]                  DATE: SEPTEMBER 25, 2024</small>
	SHEET NO. 31 OF 52 PC-1.50 24 37		

# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

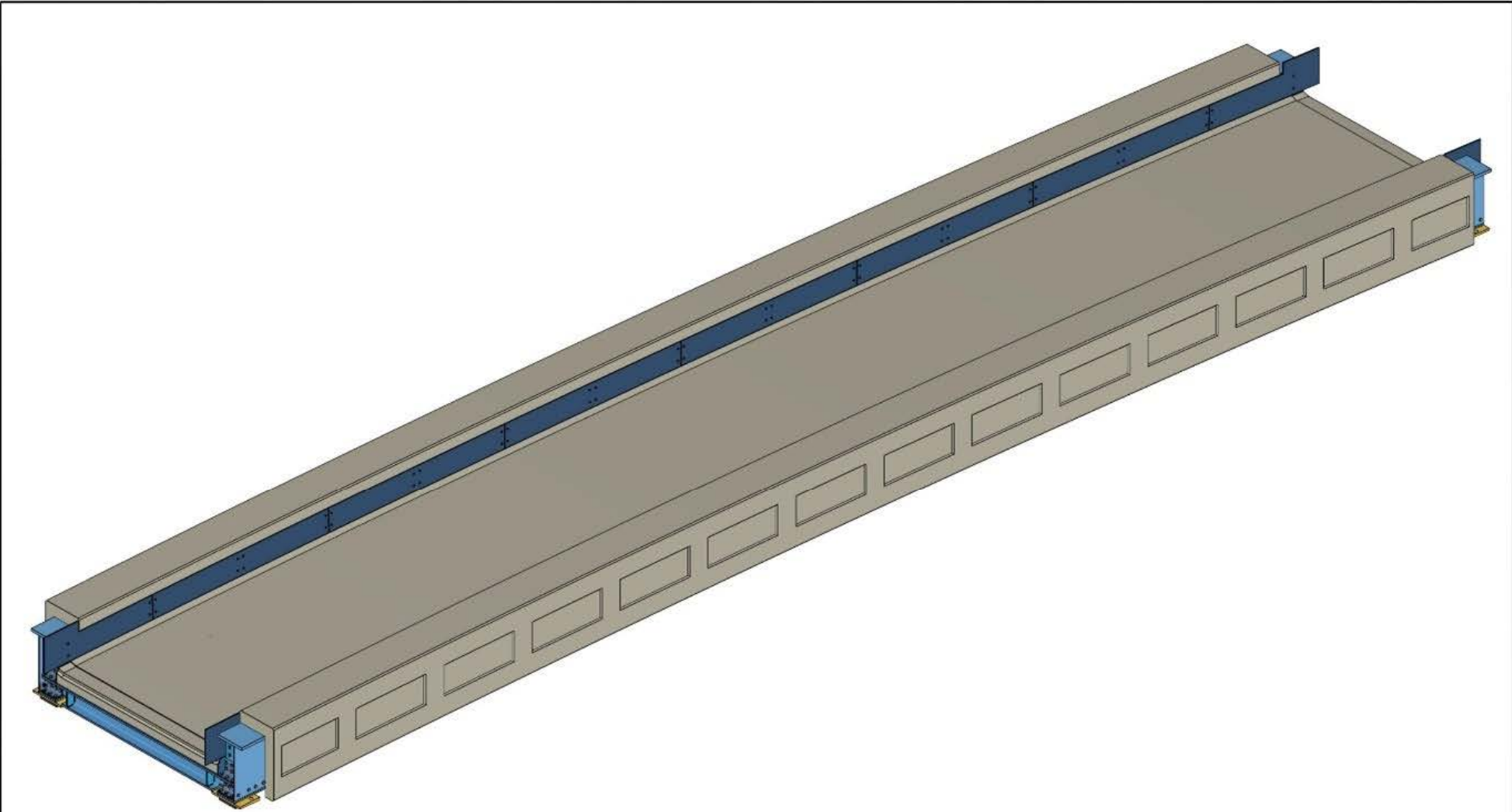






# Backup Slides and Plans

## Allegheny Commons Pedestrian Bridge Project



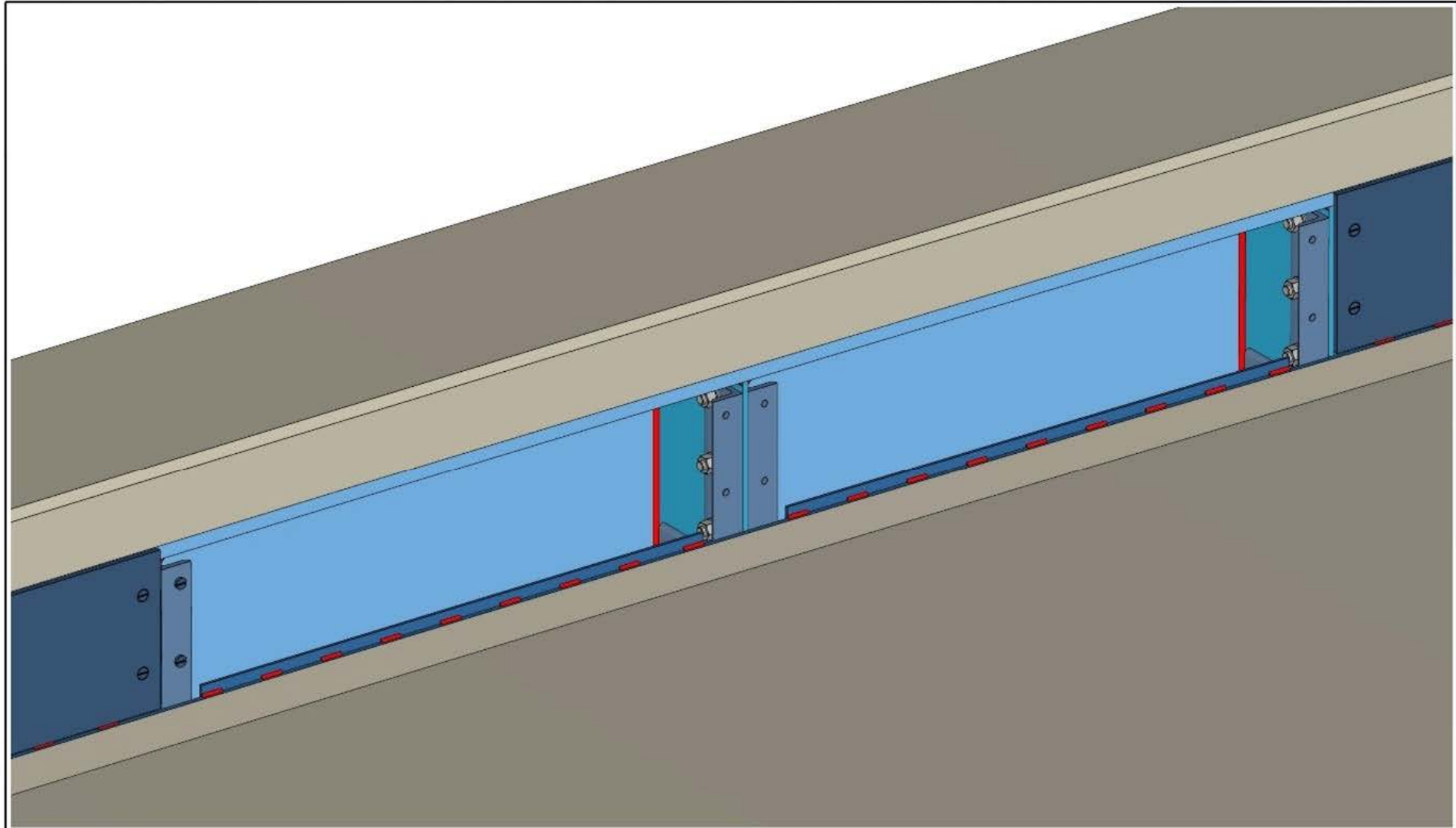
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REVISED BY: [illegible]  
DATE: 9/22/2024

60% SUBMISSION	<b>Michael Baker</b> <b>INTERNATIONAL</b> AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: 724.284.6500	 <b>NORFOLK SOUTHERN</b> NORFOLK SOUTHERN RAILWAY COMPANY PITTSBURGH	100% PITTSBURGH, PENNSYLVANIA	
			<b>COVER PLATE DETAILS</b>	
		DATE: 09/22/2024 TIME: 10:00 AM PROJECT: ALLEGHENY COMMONS PEDESTRIAN BRIDGE PROJECT SHEET NO. 46 OF 46		



# Backup Slides and Plans

## Allegheny Commons Pedestrian Bridge Project

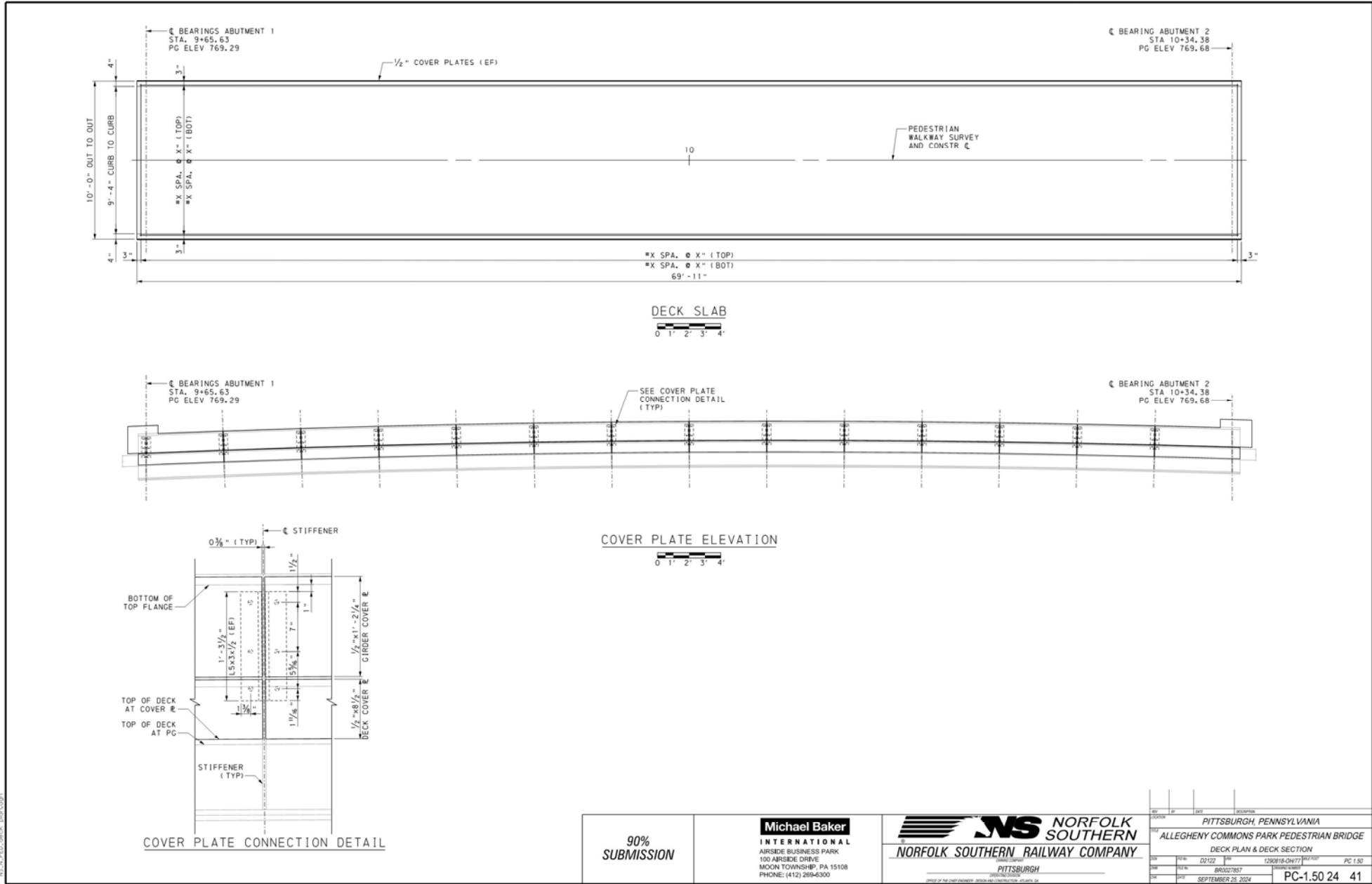


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 05:45:35 PM  
 C:\Users\jgibson\OneDrive\Documents\

<b>60% SUBMISSION</b>	<b>Michael Baker</b> <b>INTERNATIONAL</b> AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PH: 412.281.4600	 <b>NORFOLK SOUTHERN</b> NORFOLK SOUTHERN RAILWAY COMPANY PITTSBURGH	PITTSBURGH, PENNSYLVANIA	
			<b>COVER PLATE DETAILS</b>	
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# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

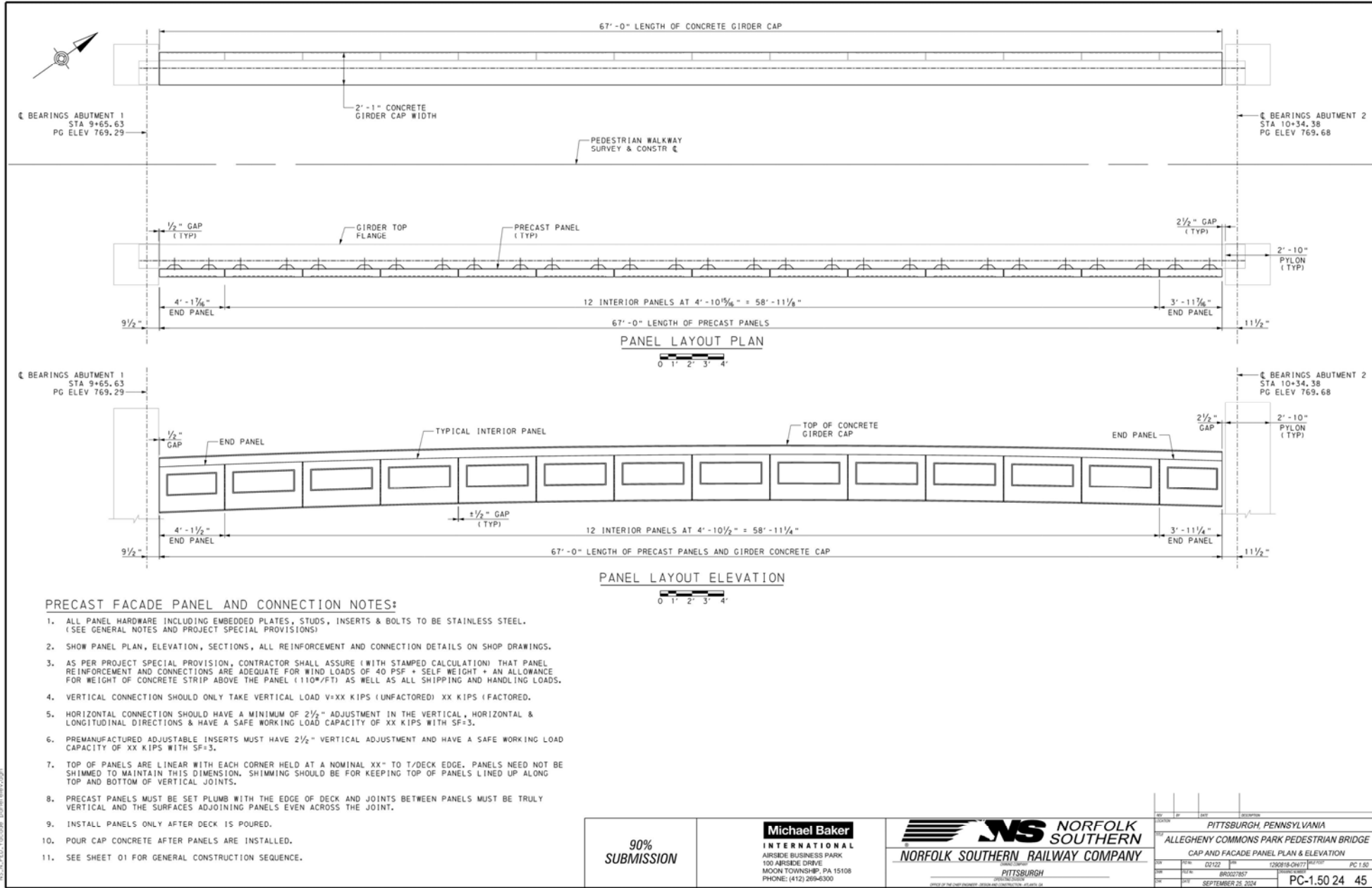


8/17/2024  
 8/16/24 JM  
 8/16/24 JEC:cmh, 6890:009

<b>90% SUBMISSION</b>	<b>Michael Baker</b> <small>INTERNATIONAL</small> AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300	 <b>NORFOLK SOUTHERN</b>	PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE DECK PLAN & DECK SECTION
		<b>NORFOLK SOUTHERN RAILWAY COMPANY</b>	<small>120216-0417</small> PC 1.50
		<small>SEPTEMBER 25, 2024</small>	<b>PC-1.50 24 41</b> <small>SHEET NO. 41 OF 52</small>

# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge Project

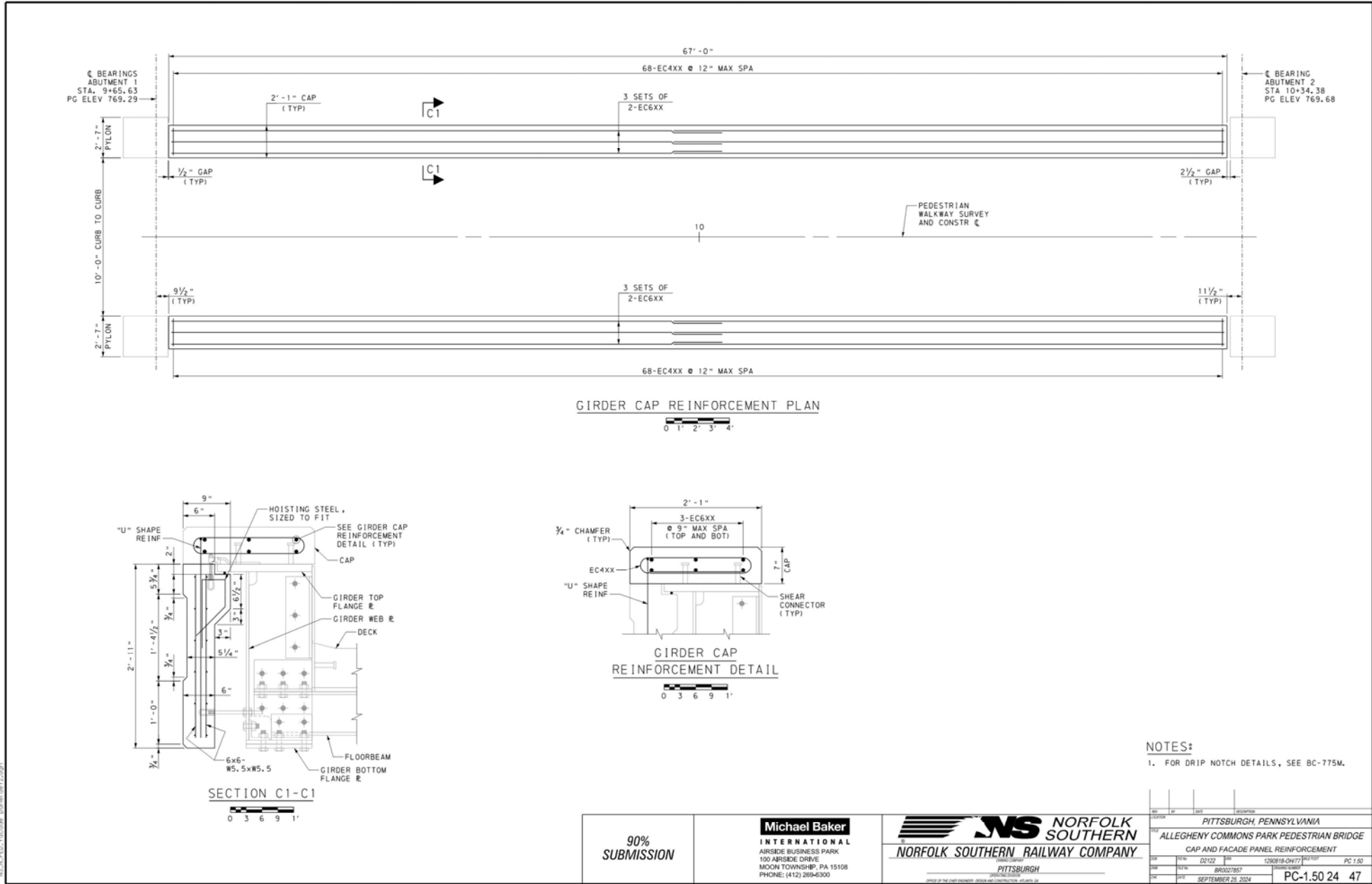


10/7/2024  
846506 JM  
C:\Users\jmc\OneDrive\Documents\pdp

90% SUBMISSION	<b>Michael Baker</b> INTERNATIONAL AIRSIDE BUSINESS PARK 100 AIRSIDE DRIVE MOON TOWNSHIP, PA 15108 PHONE: (412) 269-6300	<b>NORFOLK SOUTHERN</b> NORFOLK SOUTHERN RAILWAY COMPANY PITTSBURGH	DATE: 02/12/22 TIME: 02:12 BY: BR/027857 CHECKED:	PROJECT: PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE CAP AND FACADE PANEL PLAN & ELEVATION SHEET NO. 45 OF 52
			DATE: 02/12/22 TIME: 02:12 BY: BR/027857 CHECKED:	PROJECT: PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE CAP AND FACADE PANEL PLAN & ELEVATION SHEET NO. 45 OF 52

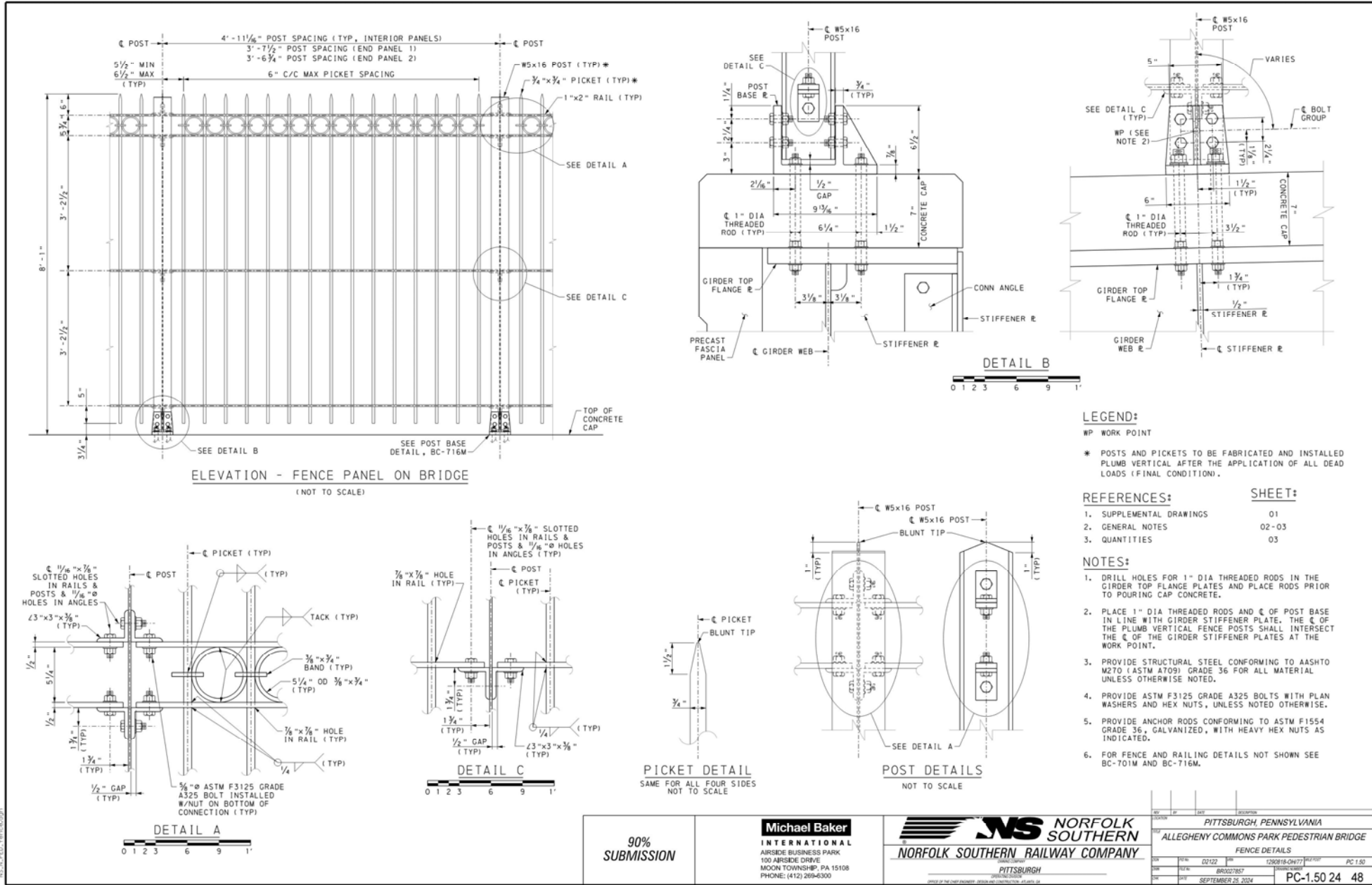
# Backup Slides and Plans

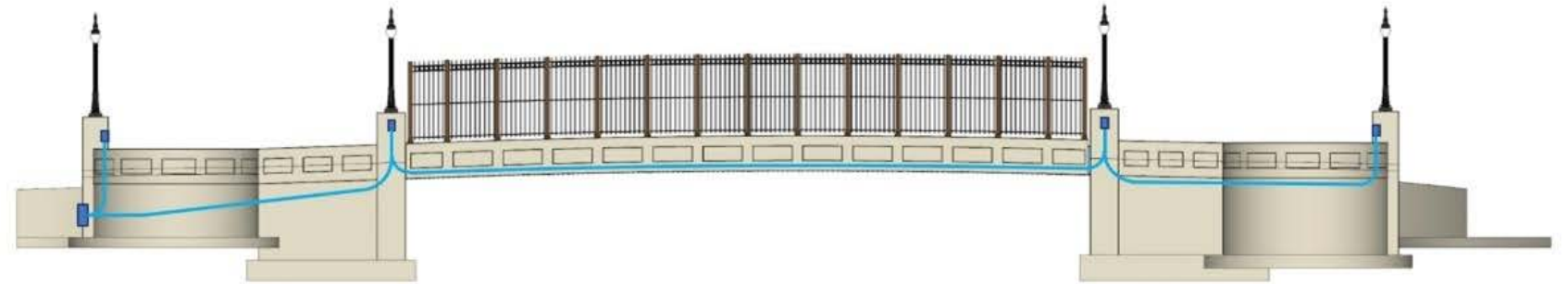
# Allegheny Commons Pedestrian Bridge Project



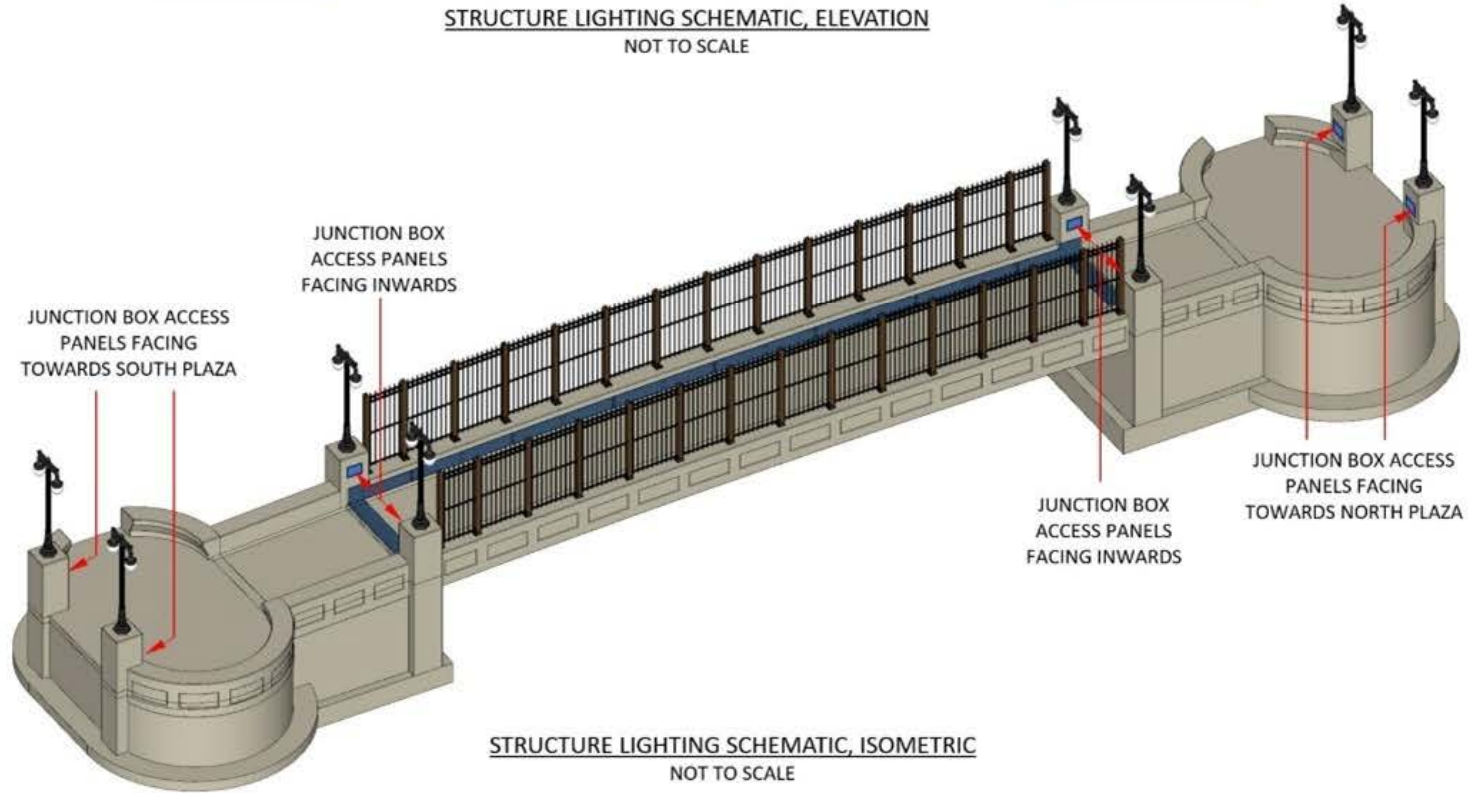
# Backup Slides and Plans

# Allegheny Commons Pedestrian Bridge





STRUCTURE LIGHTING SCHEMATIC, ELEVATION  
NOT TO SCALE



STRUCTURE LIGHTING SCHEMATIC, ISOMETRIC  
NOT TO SCALE

DATE: 02/22/17

PROJECT: ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE

90% SUBMISSION	<b>Michael Baker</b> INTERNATIONAL ARCHITECTURAL PARTNERS 156 ALLEGHENY PARK MOON TOWNSHIP, PA 15108 PHONE: (412) 296-4000	 <b>NORFOLK SOUTHERN</b> RAILWAY COMPANY	PITTSBURGH, PENNSYLVANIA ALLEGHENY COMMONS PARK PEDESTRIAN BRIDGE STRUCTURE LIGHTING DETAILS
			SHEET NO. 49 OF 12