

July 7, 2021

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
400 North Street  
Harrisburg, PA 17120

Re: Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to replace the existing public above grade crossing by the construction of a new bridge where State Route 0083 crosses the tracks of Norfolk Southern Railway Company, DOT Number 501 500 G in Springettsbury and Spring Garden Townships, York County and the allocation of costs incident thereto.

Dear Secretary Chiavetta:

Enclosed for filing, please find the Application of the Department of Transportation.

A copy of this Application and Exhibits has been served upon the parties in the Certificate of Service to the Application.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ahmed Lasloudji', with a stylized flourish at the end.

Ahmed Lasloudji  
District Grade Crossing Engineer  
Engineering District 8-0  
Department of Transportation

Attachments

cc: Parties of Record  
Mark J. Chappell, P.E., Utilities and Right-of-Way and Section, 7<sup>th</sup> Floor, CKB  
Karen Cummings, Office of Chief Counsel, 9<sup>th</sup> Floor, CKB  
Supervisor, Rail Safety Engineering Section PUC, 3<sup>rd</sup> Floor, CKB

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to replace the existing public above grade crossing by the construction of a new bridge where State Route 0083 crosses the tracks of Norfolk Southern Railway Company, DOT Number 501 500 G in Springettsbury and Spring Garden Townships, York County and the allocation of costs incident thereto.

Application  
Docket No. \_\_\_\_\_

**Electronically Filed**

APPLICATION OF THE COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF  
TRANSPORTATION

Applicant, Commonwealth of Pennsylvania, Department of Transportation, files this Application pursuant to the provisions of 66 Pa.C.S § 2702 and 52 Pa. Code § 5.13 for the alteration of the public above grade crossing where State Route 0083 crosses tracks of Norfolk Southern Railway Company at DOT Number 501500 G in Springettsbury and Spring Garden Townships, York County, as described below:

1. The name and address of Applicant are Commonwealth of Pennsylvania, Department of Transportation, Christopher A. Drda, P.E., Acting District Executive, Engineering District 8-0, 2140 Herr Street, Harrisburg, PA 17013-1699.
  
2. The name and address of attorney for the Applicant are Jason D. Sharp, Chief Counsel, Commonwealth of Pennsylvania, Department of Transportation, Office of Chief Counsel, PO Box 8212, Harrisburg, PA 17105-8212.
  
3. The Applicant is an agency of Commonwealth of Pennsylvania, organized and existing under the Administrative Code of 1929, 71 P.S. § 511, et seq. and generally 36 P.S. § 670 - 401 et seq.

4. The names and addresses of the persons, parties and entities concerned in, or affected by the proposed construction, to the best of the applicant's knowledge, are shown in the certificate of service. In addition to those served, the applicant requests that the following also receive service of all documents in this matter:

Mark J. Chappell, P.E., Chief  
Utilities and Right of Way Section  
Pennsylvania Department of Transportation  
P.O. Box 3362  
Harrisburg, PA 17105-3362  
[marchappell@pa.gov](mailto:marchappell@pa.gov)

Karen L. Cummings  
Counsel for Applicant  
Office of Chief Counsel  
Pennsylvania Department of Transportation  
P.O. Box 8212  
Harrisburg, PA 17105-8212  
[kcummings@pa.gov](mailto:kcummings@pa.gov)

5. The Applicant is seeking approval to replace the three (3) existing bridges spanning Loucks Mill Road, Codorus Creek, CSX abandoned closed track DOT# 872 491 H, and Norfolk Southern Railroad Company active tracks DOT# 501 500 G with a single, multi-span steel girder bridge. The existing structure, which carries four (4) through-lanes, will be demolished and replaced and widened to meet current criteria creating a six-lane facility with a minimum out-to-out width of 122'. The new bridge will be designed to improve the vertical clearance to a minimum of 23' over the Norfolk Southern yard. Vertical clearance will be reduced to 17'-2" at the abandoned and closed CSX crossing. The location of the crossing is approximately at Segment 0204, Offset 0299 over the tracks of Norfolk Southern Railway Company at RR MP YX-11.72. The horizontal and vertical clearances will exceed the Public Utility Commission's minimum clearances in 52 Pa Code Chapter 33. A Location Map is attached hereto and marked as Exhibit "A". Additionally, a copy of the Type, Size, and Location Plans is attached hereto and marked as Exhibit "B".

6. The Applicant is aware of a prior Public Utility Commission order for this crossing at Docket Number: A-00108000.

7. The average daily traffic for State Route 0083 at this crossing is 32,243 vehicles with 12% trucks (northbound); 36,743 vehicles with 9% trucks (southbound).

8. The estimated total cost for the project subject to the application and described above is \$ 58.1 million. It is anticipated that the funding for the project will be federal and/or state funds.

9. This project is necessary and proper for the safety and convenience of the public.

10. A conference of all parties of interest should be held to discuss the proposed alteration.

Wherefore, applicant respectfully requests that the Public Utility Commission approve this application:

Respectfully Submitted:

*Chris A. Drda, P.E.*

Christopher A. Drda, P.E.  
Assistant District Executive  
Engineering District 8-0  
Department of Transportation  
2140 Herr Street  
Harrisburg, PA 17103-1699  
Phone (717) 787-8188  
Fax (717) 705-2262  
email address: cdrda@pa.gov

Dated: 07/21/2021

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to replace the existing public above grade crossing by the construction of a new bridge where State Route 0083 crosses the tracks of Norfolk Southern Railway Company, DOT Number 501 500 G in Springettsbury and Spring Garden Townships, York County and the allocation of costs incident thereto.

Application  
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VERIFICATION

I, Ahmed Lasloudji, Grade Crossing Engineer, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).



Date: 7/7/2021

\_\_\_\_\_  
Ahmed Lasloudji  
Grade Crossing Engineer

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to replace the existing public above grade crossing by the construction of a new bridge where State Route 0083 crosses the tracks of Norfolk Southern Railway Company, DOT Number 501 500 G in Springettsbury and Spring Garden Townships, York County and the allocation of costs incident thereto.

Application  
Docket No. \_\_\_\_\_

**Electronically Filed**

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below by electronic mail pursuant to the Emergency Order at Docket Number M-2020-3019262:

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below, in accordance with the requirements of 52 Pa. Code § 1.54, by first class mail, postage prepaid:

Douglas Starling, P.E  
Senior Engineer Public Improvement  
Norfolk Southern Railroad Company  
1200 Peachtree Street, N.E.  
Atlanta, GA 30309  
[douglas.starling@nscorp.com](mailto:douglas.starling@nscorp.com)

Julianne Freeman, Esquire  
General Attorney  
Norfolk Southern Railroad Company  
Three Commercial Place  
Norfolk, VA 23510-9241  
[Julianne.Freeman@nscorp.com](mailto:Julianne.Freeman@nscorp.com)

Derek S. Mihaly, P.E  
Project Manager II  
2000 West Cabot Blvd, Suite 130  
Langhorne, PA 19047  
[Derek\\_mihaly@csx.com](mailto:Derek_mihaly@csx.com)

Julie Wheeler, President  
York County Commissioners  
28 East Market Street  
York, PA 1740  
[jlwheeler@yorkcountypa.gov](mailto:jlwheeler@yorkcountypa.gov)

Antony D. Lain  
c/o CS Davidson Inc  
38 North Duke Street  
York, PA 17401  
[ADL@csdavidson.com](mailto:ADL@csdavidson.com)

Marcy Krum-Tinsley, Manager  
Spring Garden Township  
558 S Ogontz Street  
York, PA 17403  
[mkrumtinsley@sgtwp.org](mailto:mkrumtinsley@sgtwp.org)

Mark Hodgkinson  
Springettsbury Township  
1501 Mt Zion Road  
York, PA 17402  
[mark.hodgkinson@springettsbury.com](mailto:mark.hodgkinson@springettsbury.com)

Justin Henry  
Columbia Gas of PA, Inc.  
1600 Colony Road  
York, PA 17408  
[justinhenry@nisource.com](mailto:justinhenry@nisource.com)

Jack Graybill  
North York Borough  
350 East 6th Avenue  
York, PA 17404  
[Boroughofnorthyork\\_905@comcast.com](mailto:Boroughofnorthyork_905@comcast.com)

Brian Stoner  
METEO  
501 Parkway Boulevard  
York, PA 17404  
[bstoner@irsenergy.com](mailto:bstoner@irsenergy.com)

Garry Bogaczyk  
Comcast Cable Communications, Inc.  
1050 East King Street  
York, PA 17402  
[garry\\_bogaczyk@comcast.com](mailto:garry_bogaczyk@comcast.com)

Luis Marelo  
AT&T Corporation  
Business Parkway NE  
Conyers, GA 15108  
[LM215@ATT.COM](mailto:LM215@ATT.COM)

Robert Januszko  
Frontier Communications of PA Inc.  
67 S. Main Street  
Shickshinny, PA 18655  
[Robert.januszko@ftr.com](mailto:Robert.januszko@ftr.com)

David Newwister  
Verizon North  
31 S. Beaver Street  
York, PA 17405  
[dave.newwister@verizon.com](mailto:dave.newwister@verizon.com)

Kent K. Crown  
York Water Company  
130 E. Market Street  
PO Box 15089  
York, PA 15089  
[kentc@yorkwater.com](mailto:kentc@yorkwater.com)

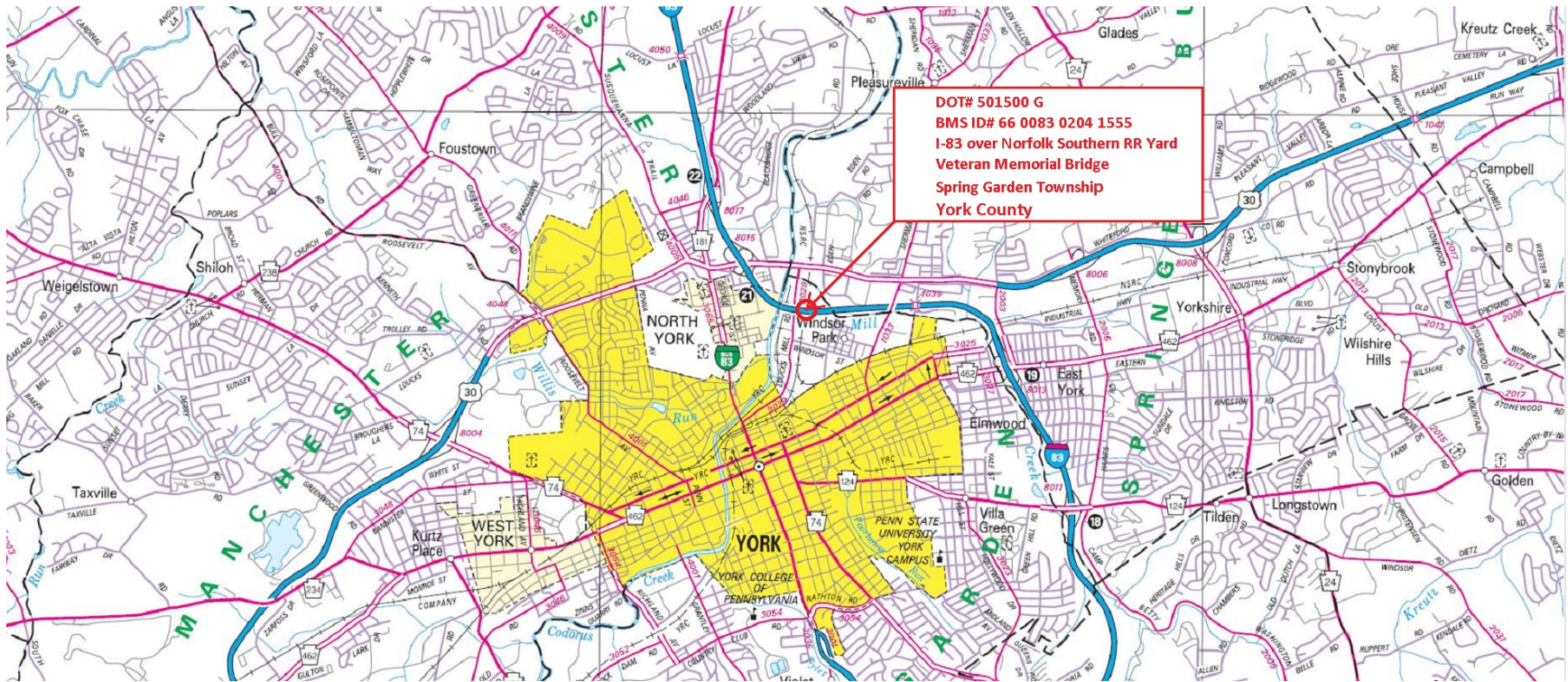
One Call Department  
Sunoco Pipeline LP  
525 Fritztown Road  
Sinking Spring, PA 19608  
[sxldesignreview@sunicologistics.com](mailto:sxldesignreview@sunicologistics.com)



Dated this July Day of Seventh 2021

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Ahmed Lasloudji  
2140 Herr Street  
(717) 787-4732  
[alasloudji@pa.gov](mailto:alasloudji@pa.gov)

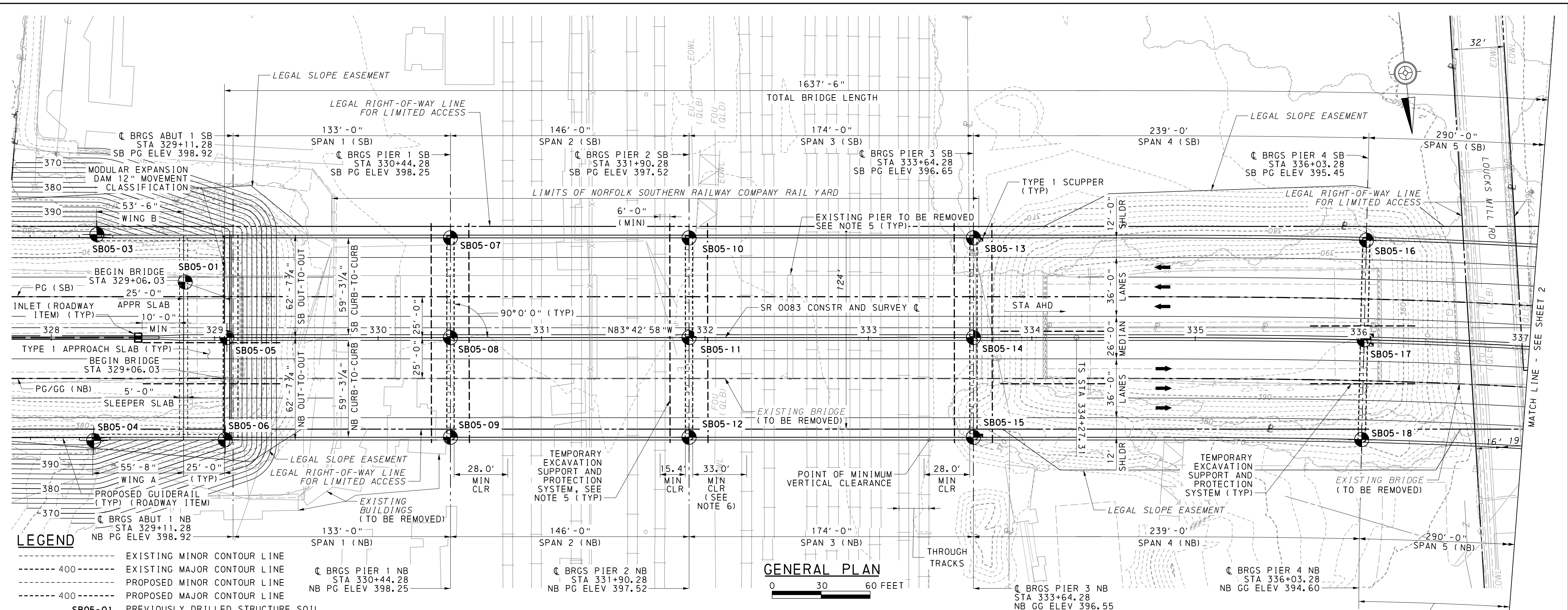


**EXHIBIT "A"**

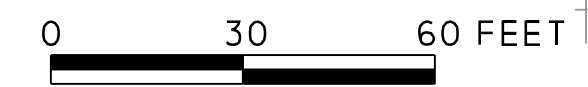
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4/28/2021  
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Stantec



**GENERAL PLAN**



**LEGEND**

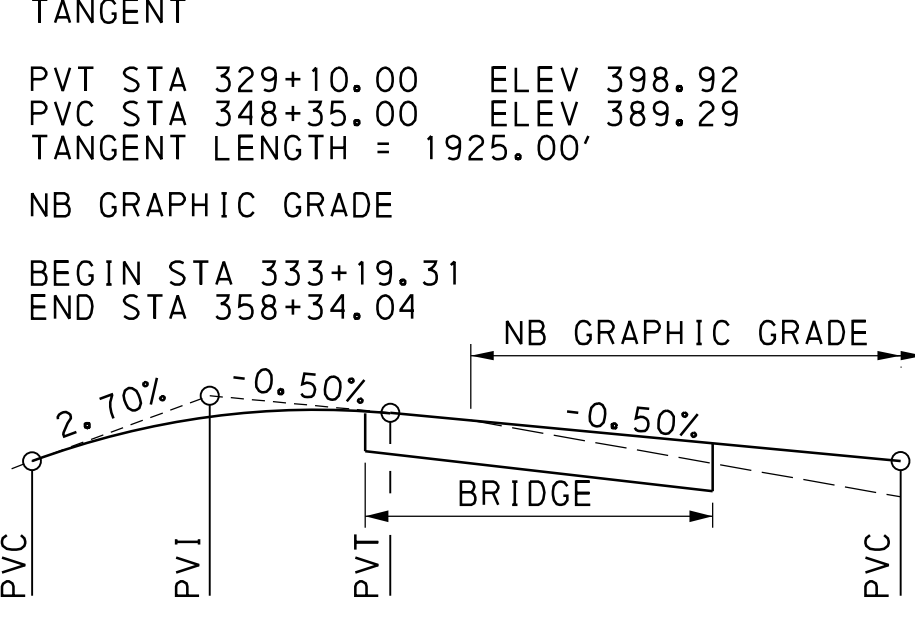
- 400 ----- EXISTING MINOR CONTOUR LINE
- 400 ----- EXISTING MAJOR CONTOUR LINE
- 400 ----- PROPOSED MINOR CONTOUR LINE
- 400 ----- PROPOSED MAJOR CONTOUR LINE
- SB05-01 PREVIOUSLY DRILLED STRUCTURE SOIL BORING LOCATION AND IDENTIFICATION
- SB05-03 PROPOSED STRUCTURE SOIL BORING LOCATION AND IDENTIFICATION
- PROPOSED INLET (ROADWAY ITEM)
- EXISTING OVERHEAD UTILITY LINE
- TRAFFIC DIRECTION

**HORIZONTAL GEOMETRY**

TANGENT	CLOTHOID	CURVE
SR 0083		
N 83°42'58"W	TS STA 334+27.31	SC STA 337+07.31
PT STA 326+72.51	SPI STA 336+14.01	PI STA 346+01.04
TS STA 334+27.31	SC STA 337+07.31	CS STA 354+14.11
L = 754.80'	L = 280.00'	L = 1706.80'
		R = 2330.00'

**VERTICAL GEOMETRY**

CURVE	SR 0083
PVC STA 323+10.00	ELEV 392.33
PVI STA 326+10.00	ELEV 400.43
PVT STA 329+10.00	ELEV 398.92
L = 600.00'	



**PROPOSED BORING LOCATIONS**

BORING	STATION	OFFSET	BORING	STATION	OFFSET
SB05-01*	328+82	34' LT	SB05-11	331+90	0'
SB05-03	328+28	63' LT	SB05-12	331+90	61' RT
SB05-04	328+26	63' RT	SB05-13	333+64	61' LT
SB05-05	329+08	0'	SB05-14	333+64	0'
SB05-06	329+07	63' RT	SB05-15	333+64	61' RT
SB05-07	330+44	61' LT	SB05-16	336+03	61' LT
SB05-08	330+44	0'	SB05-17	336+03	0'
SB05-09	330+44	61' RT	SB05-18	336+03	61' RT
SB05-10	331+90	61' LT			

\* PREVIOUSLY DRILLED BORINGS

**INDEX OF DRAWINGS**

SHEET NO.	DESCRIPTION
1	TYPE, SIZE, AND LOCATION PLAN 1
2	TYPE, SIZE, AND LOCATION PLAN 2
3	NB & SB ELEVATION 1
4	NB & SB ELEVATION 2
5	GENERAL NOTES & TYPICAL SECTIONS
6	TYPICAL PIER ELEVATIONS 1
7	TYPICAL PIER ELEVATIONS 2
8 TO 12	CONSTRUCTION STAGING

**NOTES**

1. FOR GENERAL NOTES AND TYPICAL SECTIONS, SEE SHEET 5.
2. MINIMUM PROVIDED HORIZONTAL CLEARANCE FROM FRONT FACE OF PIERS TO CENTERLINES OF ADJACENT RAILROAD TRACKS = 15.4'. PIERS WITHIN 22' OF THE CENTERLINE OF TRACK ARE DESIGNED AS HEAVY CONSTRUCTION.
3. MINIMUM REQUIRED AND PROVIDED HORIZONTAL CLEARANCE FROM FRONT FACE OF PIERS TO EDGE OF TRAVEL LANE FOR LOUCKS MILL RD = 19' (14' CLR + 5' FUTURE BICYCLE LANE).
4. FOR SUPPLEMENTAL DRAWINGS, SEE SHEET 5.
5. REMOVE TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM AND EXISTING SUBSTRUCTURE UNITS TO 2'-0" (MINIMUM) BELOW PROPOSED GRADE WHEN WITHIN 14'-0" OF CENTERLINE OF TRACK.
6. ADDITIONAL CLEARANCE PROVIDED FOR ADDITION OF FUTURE TRACK.

MARK	DESCRIPTION	BY	CHK'D	REC'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
 DEPARTMENT OF TRANSPORTATION

**YORK COUNTY**  
 S.R. 0083 SEC 091

SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
 SR 0083 STA 337+24.81  
 OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
**8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**GENERAL PLAN 1**

RECOMMENDED \_\_\_\_\_ SHEET 1 OF 12

DISTRICT BRIDGE ENGINEER

S-39605

PREPARED BY:

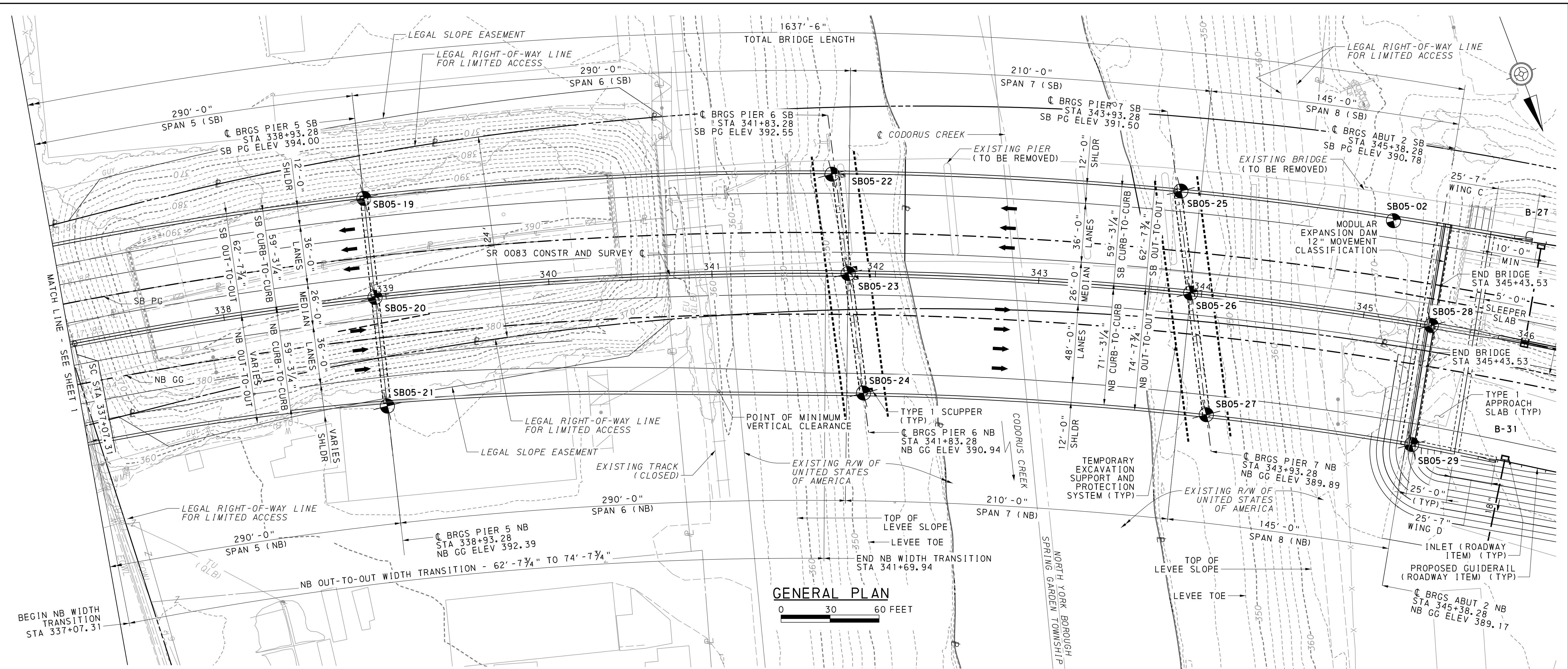
**Stantec**

STANTEC CONSULTING SERVICES, INC.  
 5000 RITTER RD, STE 102  
 MECHANICSBURG, PA 17055

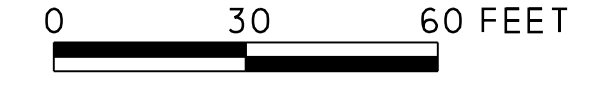
SIGNATURE & DATE \_\_\_\_\_

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 09/01/2015  
 09/01/2015

4/28/2021  
 10/15/2021  
 10/15/2021  
 10/15/2021



**GENERAL PLAN**



**LEGEND**

- EXISTING MINOR CONTOUR LINE
- 400 ----- EXISTING MAJOR CONTOUR LINE
- PROPOSED MINOR CONTOUR LINE
- 400 ----- PROPOSED MAJOR CONTOUR LINE
- SB05-02 PREVIOUSLY DRILLED STRUCTURE SOIL BORING LOCATION AND IDENTIFICATION
- SB05-19 PROPOSED STRUCTURE SOIL BORING LOCATION AND IDENTIFICATION
- PROPOSED INLET (ROADWAY ITEM)
- EXISTING OVERHEAD UTILITY LINE
- ➔ TRAFFIC DIRECTION

**NOTES**

1. FOR SR 0083 HORIZONTAL AND VERTICAL GEOMETRY, SEE SHEET 1.
2. FOR GENERAL NOTES AND TYPICAL SECTIONS, SEE SHEET 5.
3. FOR SUPPLEMENTAL DRAWINGS, SEE SHEET 5.

HYDRAULIC DATA FOR CODORUS CREEK		
	EXISTING CONDITION	PROPOSED CONDITION
DRAINAGE AREA	237 SQ MI	237 SQ MI
WATERWAY OPENING	27,135 SF (13,915 SF CODORUS CREEK BRIDGE, 2,404 SF LOUCKS MILL ROAD BRIDGE, AND 10,816 SF NORFOLK SOUTHERN BRIDGE)	33,358 SF
DESIGN FLOOD FLOW (50 YR)	20,805 CFS	20,805 CFS
DESIGN HIGH WATER ELEVATION (50 YR)	359.90 FT	359.83 FT
DESIGN FLOW VELOCITY (50 YR)	5.8 FPS	5.9 FPS
DESIGN FLOOD FLOW (100 YR)	27,063 CFS	27,063 CFS
DESIGN HIGH WATER ELEVATION (100 YR)	363.23 FT	363.20 FT
DESIGN FLOW VELOCITY (100 YR)	6.2 FPS	6.2 FPS
DESIGN FLOOD FLOW (FEMA 100 YR)	19,900 CFS	19,900 CFS
DESIGN HIGH WATER ELEVATION (FEMA 100 YR)	362.26 FT	362.21 FT
DESIGN FLOW VELOCITY (FEMA 100 YR)	4.9 FPS	4.9 FPS

PROPOSED BORING LOCATIONS					
BORING	STATION	OFFSET	BORING	STATION	OFFSET
SB05-02*	345+09	60' LT	SB05-24	341+93	73' RT
SB05-19	338+93	61' LT	SB05-25	343+81	61' LT
SB05-20	338+93	0'	SB05-26	343+93	0'
SB05-21	338+93	67' RT	SB05-27	344+11	73' RT
SB05-22	341+73	61' LT	SB05-28	345+42	0'
SB05-23	341+83	0'	SB05-29	345+42	74' RT

\* PREVIOUSLY DRILLED BORINGS

MARK	DESCRIPTION	BY	CHK'D	REC'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
 DEPARTMENT OF TRANSPORTATION  
**YORK COUNTY**  
 S.R. 0083 SEC 091  
 SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
 SR 0083 STA 337+24.81  
 OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
**8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**GENERAL PLAN 2**

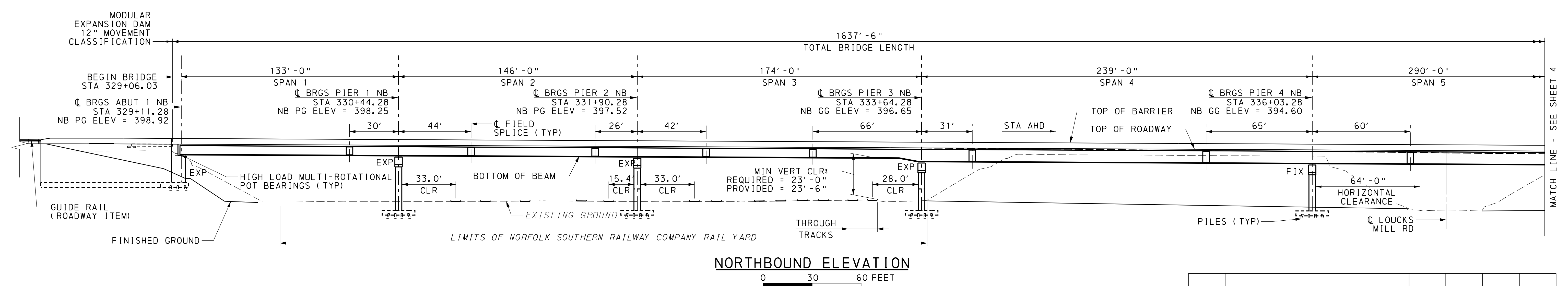
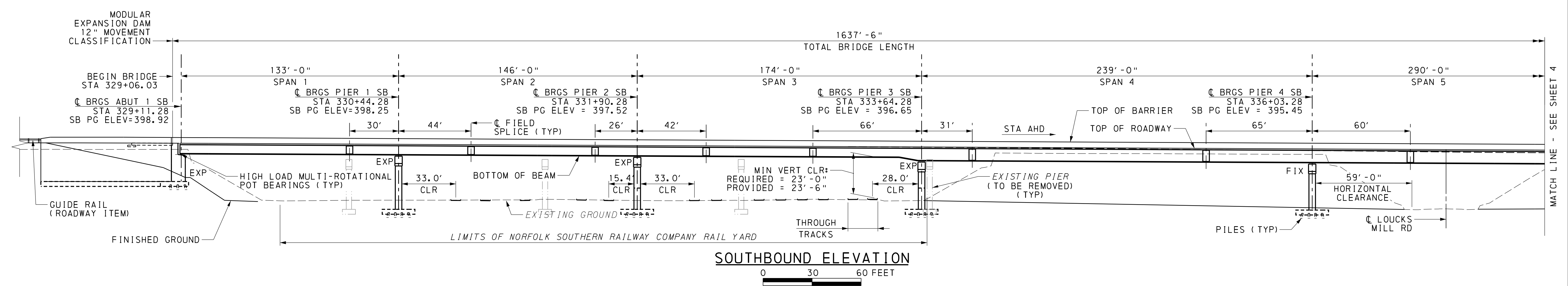
RECOMMENDED \_\_\_\_\_ SHEET 2 OF 12

S-39605

DOT-2015  
090503  
DOT-ANSI D:PG-P1.1

DOT-2015  
090503  
DOT-ANSI D:PG-P1.1

4/28/2021  
DOT-2015 (SURVEY - FEET)  
N:\S\5556-Full\shaded\_P\3144221.dgn  
Records\13.0\_CADD\13.2\_Structures\BR-IDD5\1442\_IDD5\_s\_IPSO3\_EI.D1.dgn



- NOTES**
- FOR SR 0083 HORIZONTAL AND VERTICAL GEOMETRY, SEE SHEET 1.
  - FOR GENERAL NOTES AND TYPICAL SECTIONS, SEE SHEET 5.
  - FOR SUPPLEMENTAL DRAWINGS, SEE SHEET 5.

MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
DEPARTMENT OF TRANSPORTATION

**YORK COUNTY**  
S.R. 0083 SEC 091

SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
SR 0083 STA 337+24.81  
OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE  
NB & SB ELEVATION 1

RECOMMENDED \_\_\_\_\_

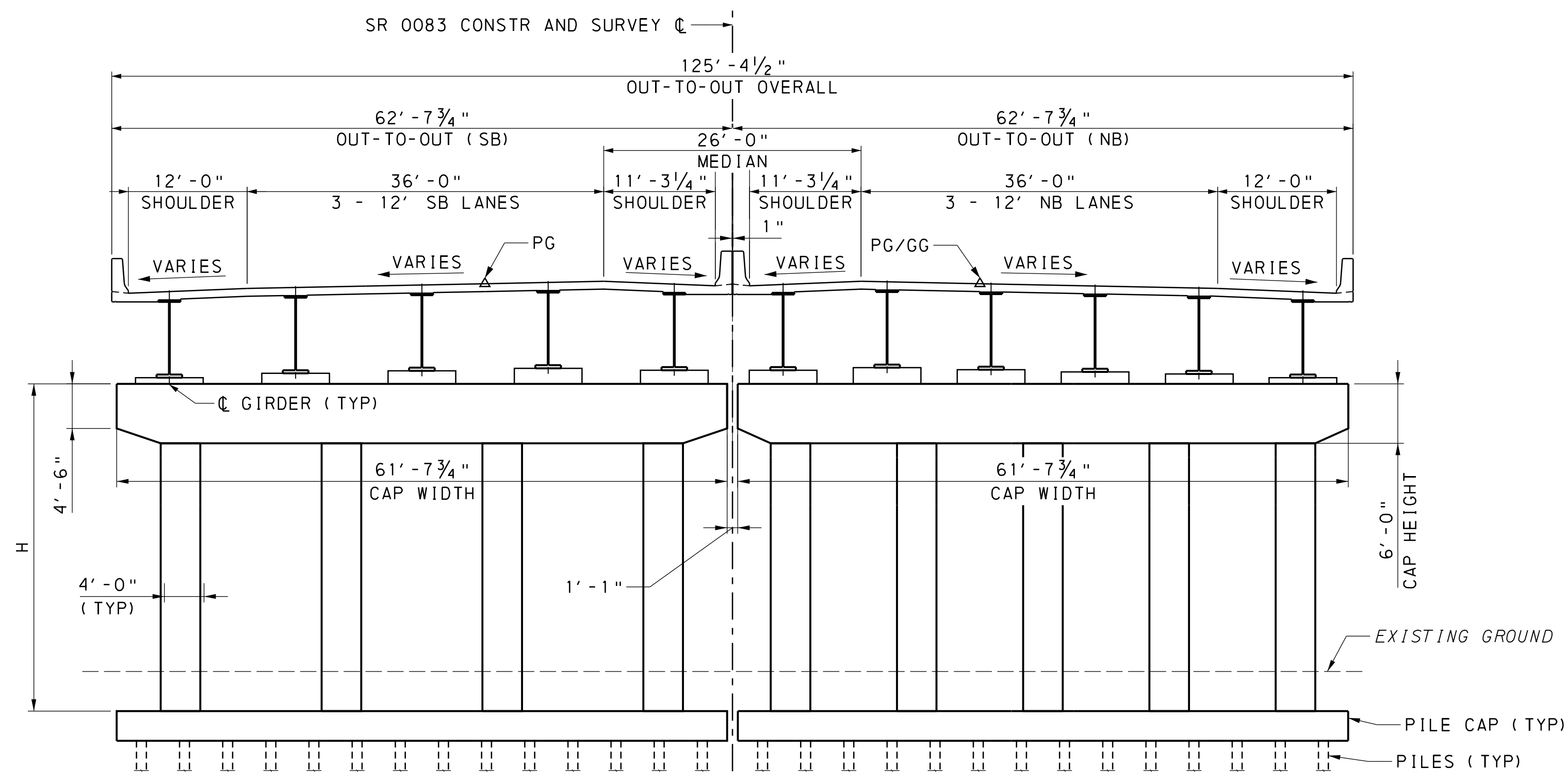
SHEET 3 OF 12

S-39605



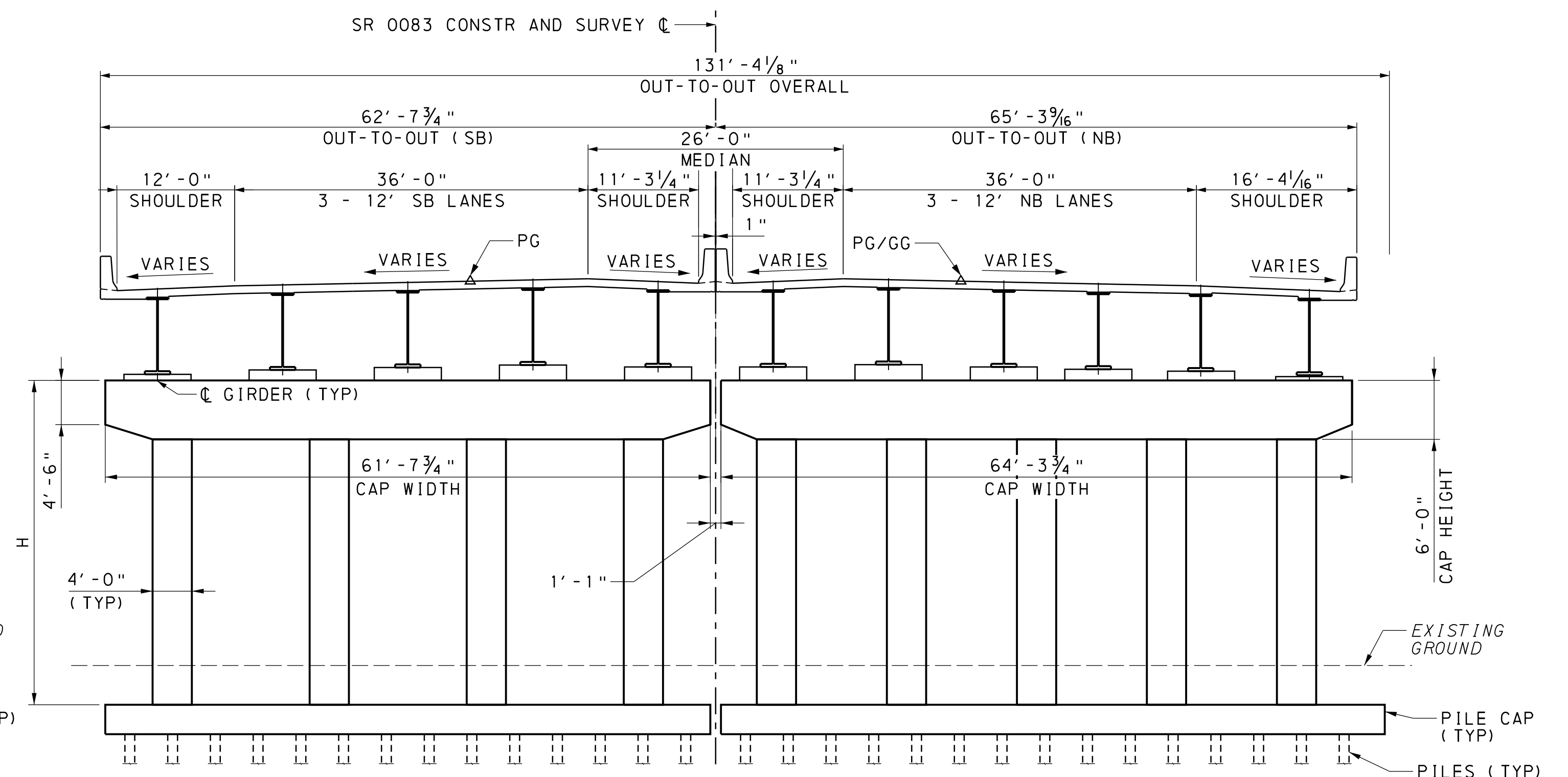
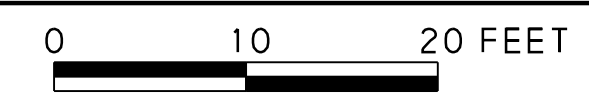


DOT-2015  
SR 0083  
DOT-ANSI D-PP-11



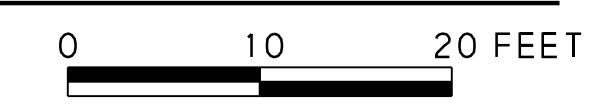
**SOUTHBOUND NORTHBOUND**

**PIER 1 & 4 ELEVATION**



**SOUTHBOUND NORTHBOUND**

**PIER 5 ELEVATION**

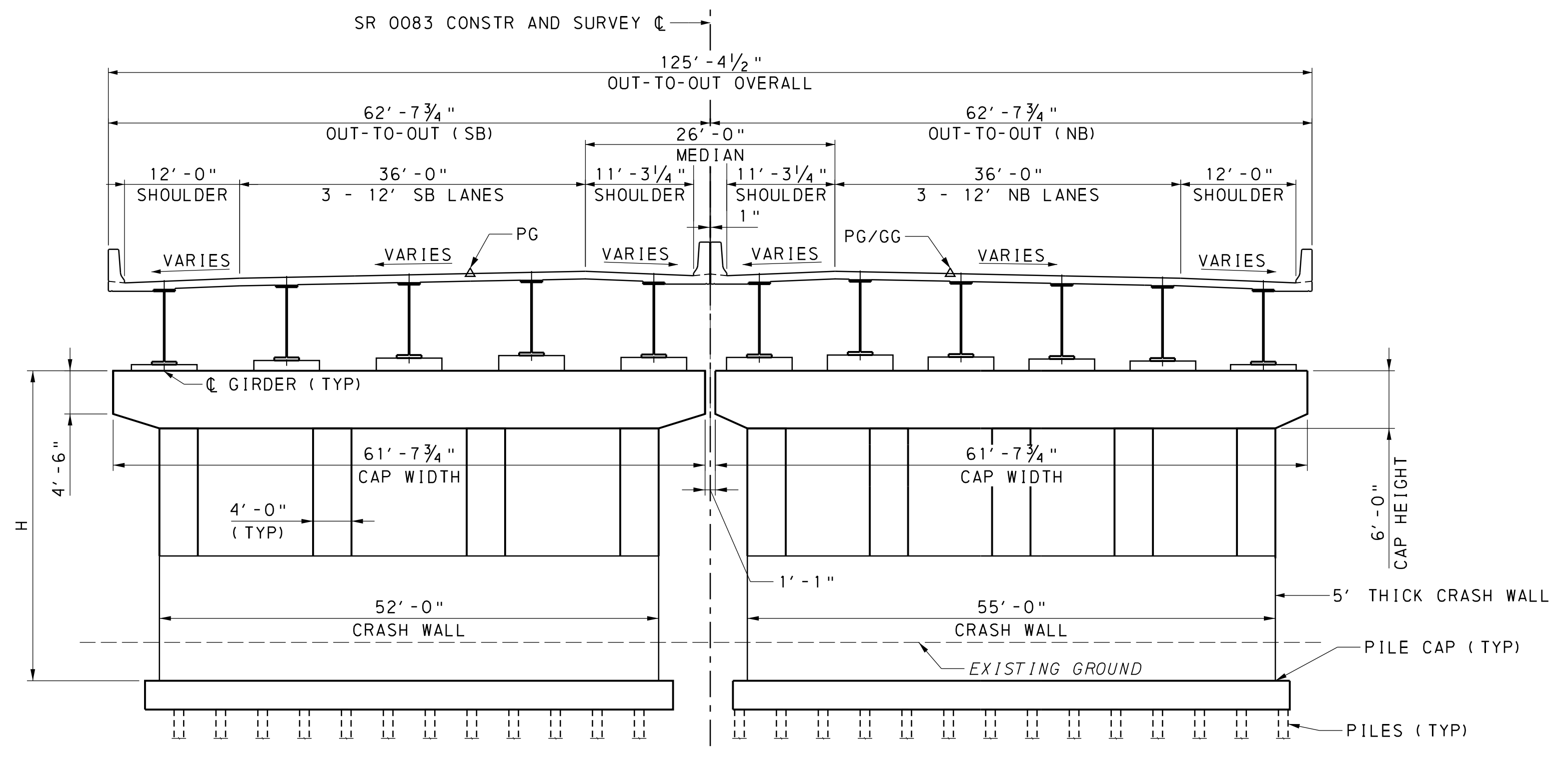


PIER HEIGHTS	
PIER NUMBER	H (FT)
PIER 1	33.05
PIER 2	32.30
PIER 3	31.51
PIER 4	32.15
PIER 5	30.70

**NOTES**

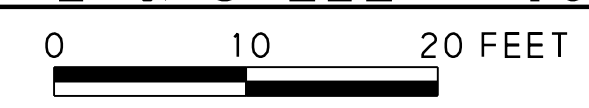
- FOR SR 0083 HORIZONTAL AND VERTICAL GEOMETRY, SEE SHEET 1.
- FOR GENERAL NOTES AND TYPICAL SECTIONS, SEE SHEET 5.
- FOR SUPPLEMENTAL DRAWINGS, SEE SHEET 5.

MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					



**SOUTHBOUND NORTHBOUND**

**PIER 2 & 3 ELEVATION**



**COMMONWEALTH OF PENNSYLVANIA**  
DEPARTMENT OF TRANSPORTATION

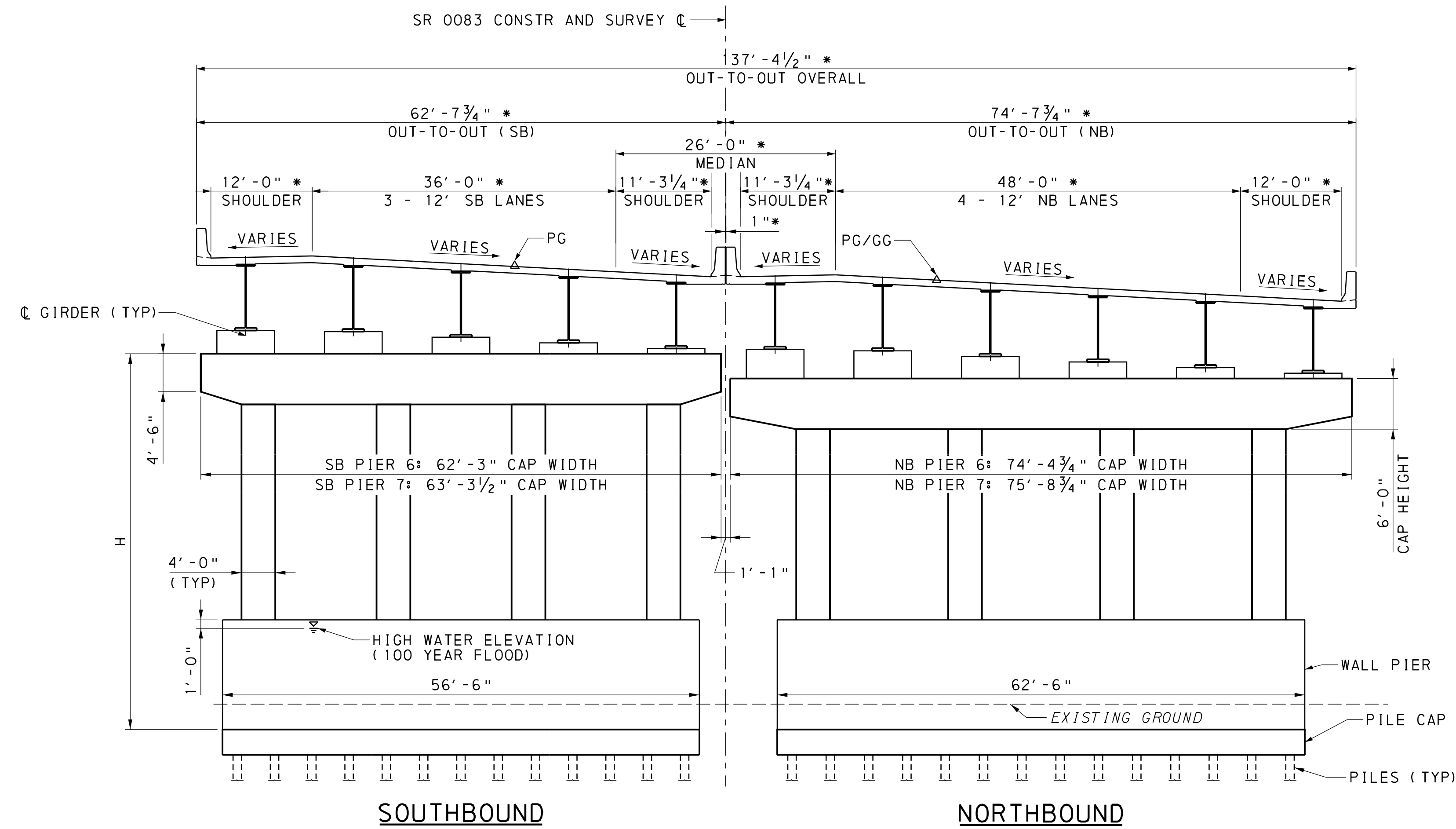
**YORK COUNTY**  
S.R. 0083 SEC 091

SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
SR 0083 STA 337+24.81  
OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
**8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**TYPICAL PIER ELEVATIONS 1**

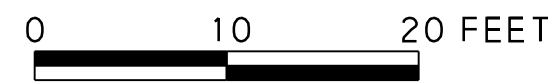
RECOMMENDED \_\_\_\_\_ SHEET 6 OF 12

S-39605

Stantec



TYPICAL PIER 6 & 7 ELEVATION

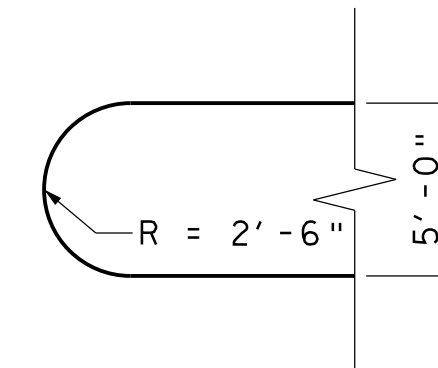


\* DIMENSIONS GIVEN RADIAL TO SR 0083 CONSTR AND SURVEY CL

PIER HEIGHTS	
PIER NUMBER	H (FT)
PIER 6	40.05
PIER 7	39.03

**NOTES**

1. FOR SR 0083 HORIZONTAL AND VERTICAL GEOMETRY, SEE SHEET 1.
2. FOR GENERAL NOTES AND TYPICAL SECTIONS, SEE SHEET 5.
3. FOR SUPPLEMENTAL DRAWINGS, SEE SHEET 5.



WALL PIER END TREATMENT  
 NOT TO SCALE

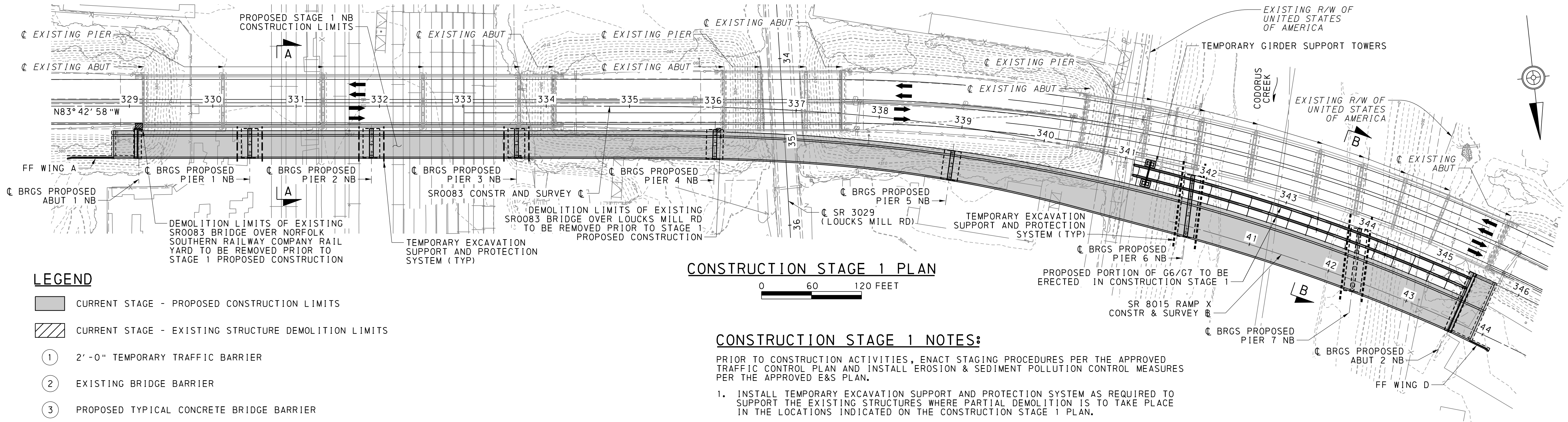
MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF TRANSPORTATION

YORK COUNTY  
 S.R. 0083 SEC 091  
 SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
 SR 0083 STA 337+24.81  
 OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
 8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE  
 TYPICAL PIER ELEVATIONS 2

DOT-2015  
 09/01/15  
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4/28/2021  
 NUS1555-FULLSHARED\_P319515-30271314421-100  
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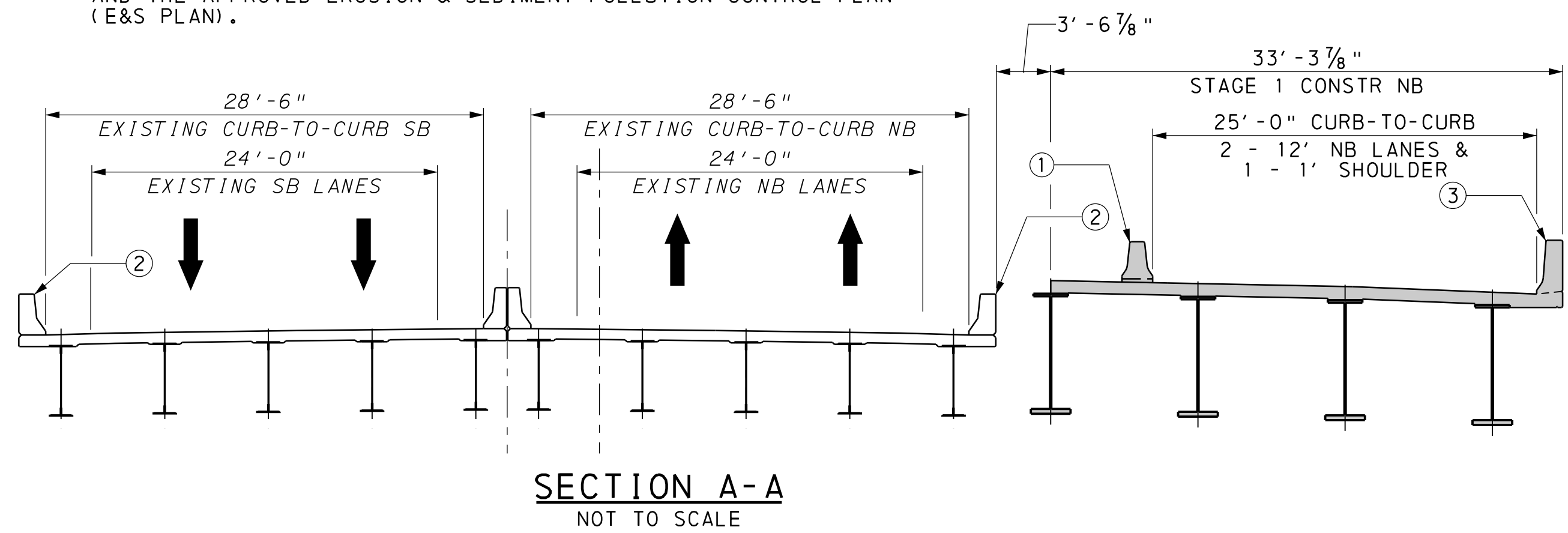
**CONSTRUCTION STAGE 1 PLAN**  
 0 60 120 FEET

- LEGEND**
- CURRENT STAGE - PROPOSED CONSTRUCTION LIMITS
  - CURRENT STAGE - EXISTING STRUCTURE DEMOLITION LIMITS
  - ① 2'-0" TEMPORARY TRAFFIC BARRIER
  - ② EXISTING BRIDGE BARRIER
  - ③ PROPOSED TYPICAL CONCRETE BRIDGE BARRIER

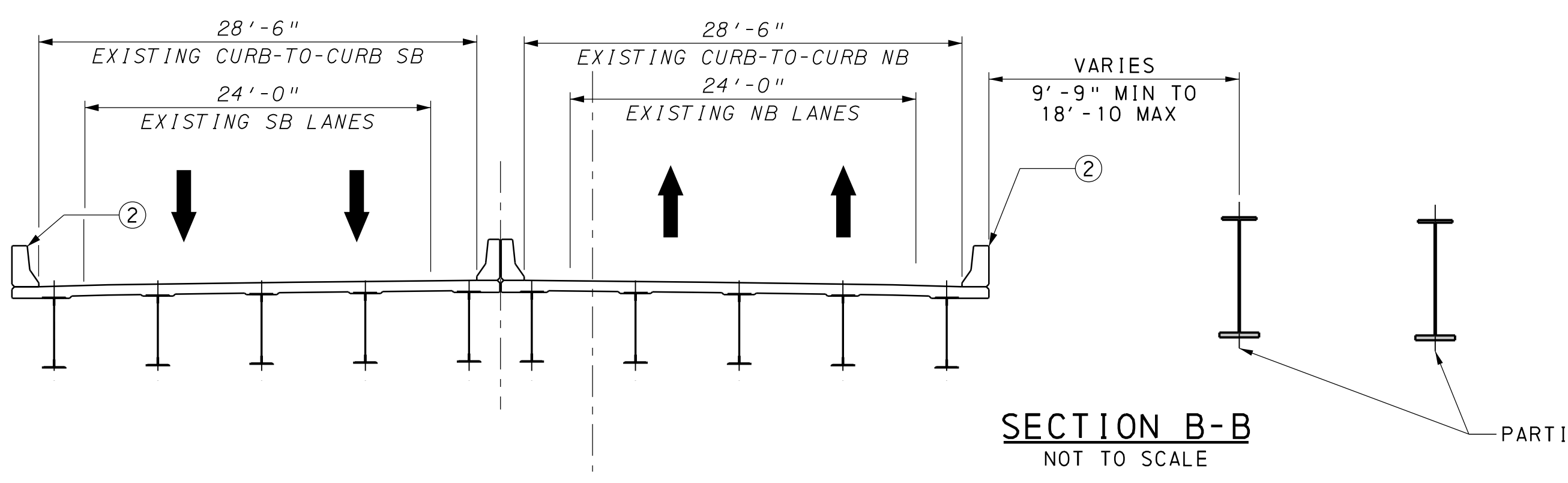
- STAGED CONSTRUCTION NOTES:**
- THE ALPHANUMERIC STAGING DESIGNATION INDICATED IN THE STRUCTURE PLAN SET CORRESPONDS TO THE CONSTRUCTION STAGING SHOWN IN THE TRAFFIC CONTROL PLAN (TCP). THE NUMERIC VALUE REPRESENTS THE STAGE LISTED IN THE TCP AND THE ALPHABETIC VALUE REPRESENTS THE STRUCTURE PHASE. I.E. STAGE 2A INDICATES TCP STAGE 2, STRUCTURE PHASE A.
  - COORDINATE ALL WORK WITH THE APPROVED TRAFFIC CONTROL PLAN AND THE APPROVED EROSION & SEDIMENT POLLUTION CONTROL PLAN (E&S PLAN).

- CONSTRUCTION STAGE 1 NOTES:**
- PRIOR TO CONSTRUCTION ACTIVITIES, ENACT STAGING PROCEDURES PER THE APPROVED TRAFFIC CONTROL PLAN AND INSTALL EROSION & SEDIMENT POLLUTION CONTROL MEASURES PER THE APPROVED E&S PLAN.
- INSTALL TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM AS REQUIRED TO SUPPORT THE EXISTING STRUCTURES WHERE PARTIAL DEMOLITION IS TO TAKE PLACE IN THE LOCATIONS INDICATED ON THE CONSTRUCTION STAGE 1 PLAN.
  - DEMOLISH PORTION OF EXISTING SRO083 BRIDGE OVER NORFOLK SOUTHERN RAILWAY COMPANY RAIL YARD AND PORTION OF EXISTING SRO083 BRIDGE OVER LOUCKS MILL ROAD TO PROVIDE SUFFICIENT CLEARANCE FOR PROPOSED CONSTRUCTION OF PORTION OF NORTHBOUND SRO083 FOUNDATIONS/SUBSTRUCTURE UNITS.
  - PROPOSED NORTHBOUND CONSTRUCTION:
    - INSTALL TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM AS REQUIRED AT PROPOSED PIERS 1 THROUGH 3, 6, & 7.
    - EXCAVATE AND CONSTRUCT PORTION OF NORTHBOUND ABUTMENT 1 FOOTING AS INDICATED. EXCAVATE AND CONSTRUCT NORTHBOUND ABUTMENT 2 FOOTING IN ITS ENTIRETY.
    - EXCAVATE AND CONSTRUCT PORTION OF FOOTINGS FOR PROPOSED NORTHBOUND PIERS 1 THROUGH 5 AS INDICATED.
    - EXCAVATE AND CONSTRUCT NORTHBOUND PIERS 6 & 7 FOOTINGS IN THEIR ENTIRETY.
    - CONSTRUCT PORTION OF NORTHBOUND ABUTMENT 1 STEM AND WINGWALL A IN ITS ENTIRETY AS INDICATED. CONSTRUCT NORTHBOUND ABUTMENT 2 STEM IN ITS ENTIRETY AND WINGWALL D IN ITS ENTIRETY.
    - CONSTRUCT PORTION OF NORTHBOUND PIERS 1 THROUGH 5 AS INDICATED. CONSTRUCT NORTHBOUND PIERS 6 & 7 IN THEIR ENTIRETY.
    - REMOVE STAGE 1 TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM AT PROPOSED NORTHBOUND PIERS 1 THROUGH 3, 6, & 7.
    - CONSTRUCT TEMPORARY GIRDER SUPPORT TOWERS, INSTALL POT BEARINGS AND ERECT PORTIONS OF GIRDERS G6 AND G7 IN SPANS 6, 7, AND 8 AS INDICATED.
    - INSTALL POT BEARINGS AND ERECT GIRDERS G8 THROUGH G11 IN ALL SPANS IN ACCORDANCE WITH THE GIRDER ERECTION SEQUENCE.
    - CONSTRUCT DECK SLAB OVER GIRDERS G8 THROUGH G11 ACCORDING TO THE DECK POUR SEQUENCE PLAN.
    - CONSTRUCT PORTION OF NORTHBOUND APPROACH SLAB 1 AND SLEEPER SLAB AS INDICATED. CONSTRUCT NORTHBOUND APPROACH SLAB 2 AND SLEEPER SLAB IN ITS ENTIRETY.
    - INSTALL TEMPORARY TRAFFIC BARRIER ON PROPOSED NORTHBOUND STRUCTURE AS INDICATED.

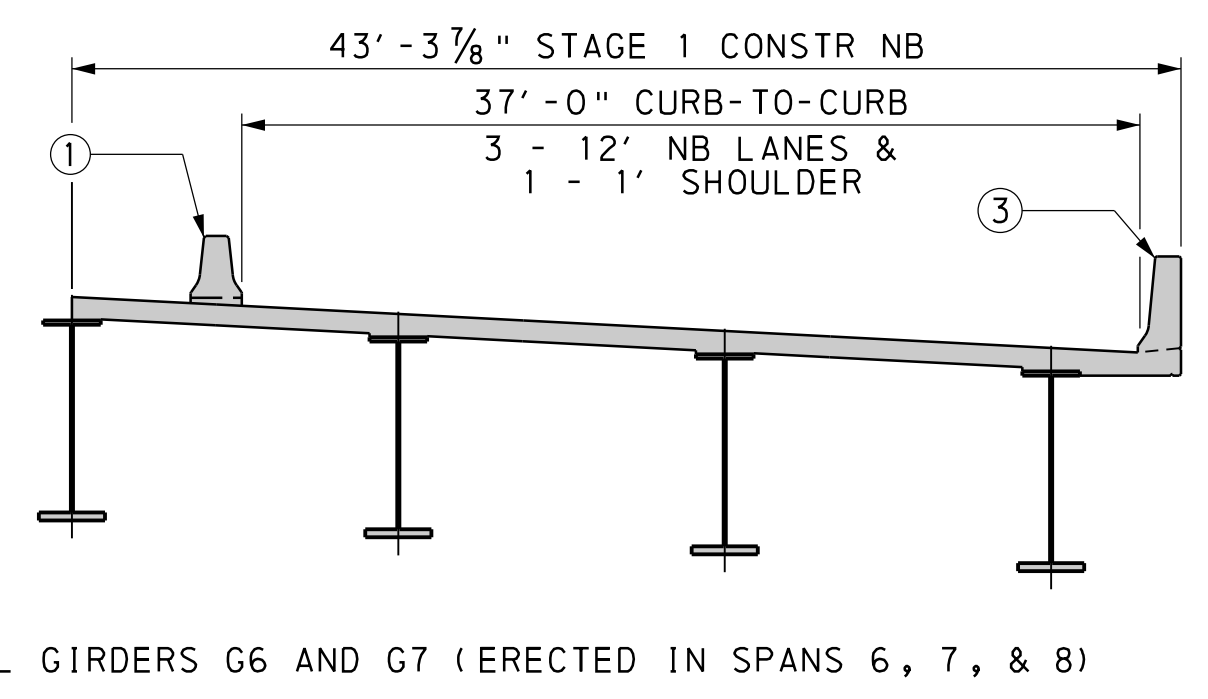
- NOTES:**
- FOR ABUTMENT 1 DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR ABUTMENT 2 DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR PIER DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR HIGH LOAD MULTI-ROTATIONAL POT BEARING DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR STEEL GIRDER DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR DECK DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR APPROACH SLAB DETAILS, SEE SHEETS XX THROUGH XX.
  - FOR GIRDER ERECTION SEQUENCE, SEE SHEETS XX THROUGH XX.



**SECTION A-A**  
 NOT TO SCALE



**SECTION B-B**  
 NOT TO SCALE



PARTIAL GIRDERS G6 AND G7 (ERECTED IN SPANS 6, 7, & 8)

MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
 DEPARTMENT OF TRANSPORTATION

**YORK COUNTY**  
 S.R. 0083 SEC 091

SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
 SR 0083 STA 337+24.81  
 OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
**8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**CONSTRUCTION STAGE 1**

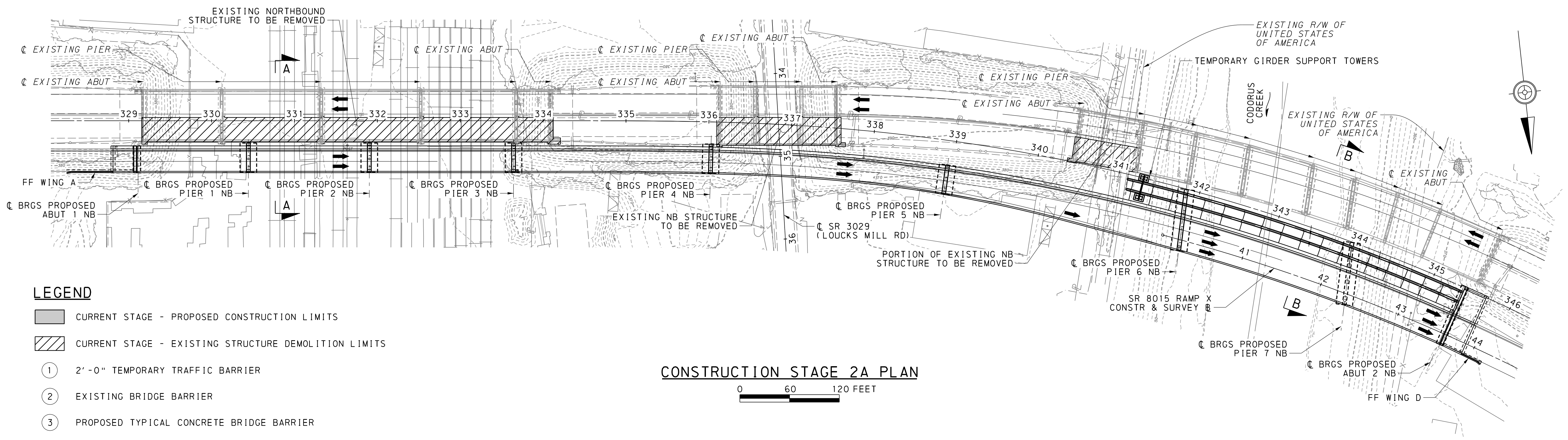
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SHEET 8 OF 12

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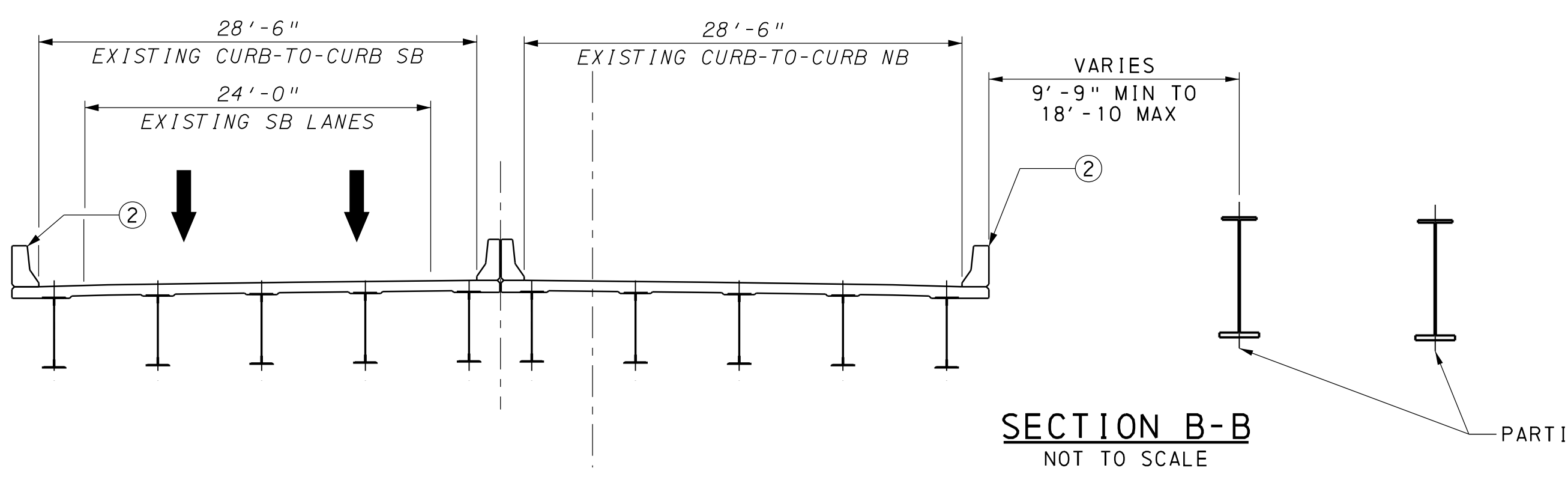
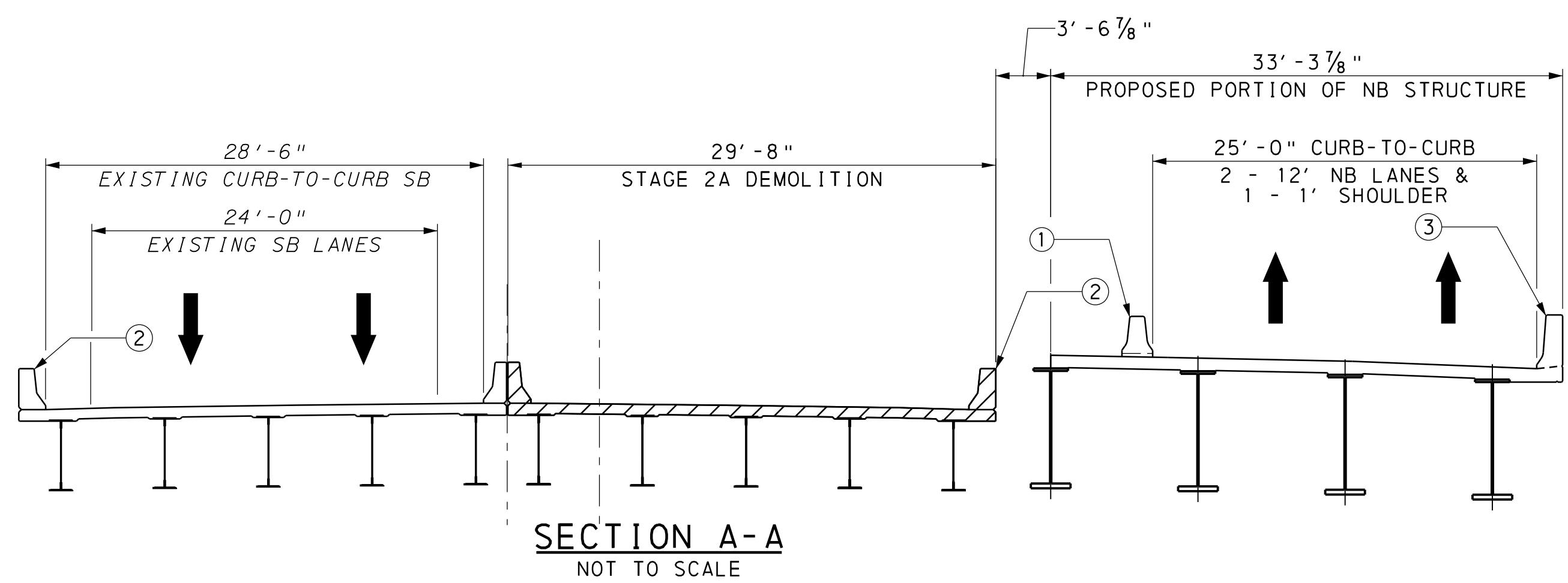
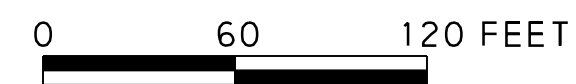
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**LEGEND**

- CURRENT STAGE - PROPOSED CONSTRUCTION LIMITS
- CURRENT STAGE - EXISTING STRUCTURE DEMOLITION LIMITS
- ① 2'-0" TEMPORARY TRAFFIC BARRIER
- ② EXISTING BRIDGE BARRIER
- ③ PROPOSED TYPICAL CONCRETE BRIDGE BARRIER

**CONSTRUCTION STAGE 2A PLAN**



**CONSTRUCTION STAGE 2A NOTES:**

- PRIOR TO CONSTRUCTION ACTIVITIES, ENACT STAGING PROCEDURES PER THE APPROVED TRAFFIC CONTROL PLAN AND INSTALL EROSION AND SEDIMENT POLLUTION CONTROL MEASURES PER THE APPROVED E&S PLAN.
1. BEGIN STAGE 2A WORK AFTER NORTHBOUND TRAFFIC HAS BEEN SHIFTED ONTO PROPOSED STRUCTURE. SEE STAGE 2 OF THE APPROVED TRAFFIC CONTROL PLAN.
  2. DEMOLITION OF PORTIONS OF EXISTING STRUCTURES (SR0083 OVER NORFOLK SOUTHERN RAILWAY COMPANY RAIL YARD; SR0083 OVER LOUCKS MILL ROAD):
    - INSTALL UNDERDECK PROTECTION SHIELDS.
    - REMOVE DECK ON EXISTING NORTHBOUND STRUCTURES.
    - REMOVE EXISTING NORTHBOUND BRIDGE GIRDERS.
    - DEMOLISH EXISTING NORTHBOUND SUBSTRUCTURE UNITS IN LIMITS INDICATED. STEMS AND FOUNDATIONS SHALL BE REMOVED TO A DEPTH OF 1 FT BELOW GRADE.
  3. DEMOLITION OF EXISTING STRUCTURE (SR0083 OVER CODORUS CREEK):
    - SAWCUT AND REMOVE DECK ON EXISTING NORTHBOUND SPAN 1.
    - REMOVE EXISTING NORTHBOUND SPAN 1 BRIDGE GIRDERS.
    - DEMOLISH PORTION OF EXISTING NORTHBOUND ABUTMENT 1 STEM AND FOOTING TO A DEPTH OF 1 FT BELOW GRADE.

MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
DEPARTMENT OF TRANSPORTATION

**YORK COUNTY**  
S.R. 0083 SEC 091  
SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
SR 0083 STA 337+24.81  
OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE  
CONSTRUCTION STAGE 2A

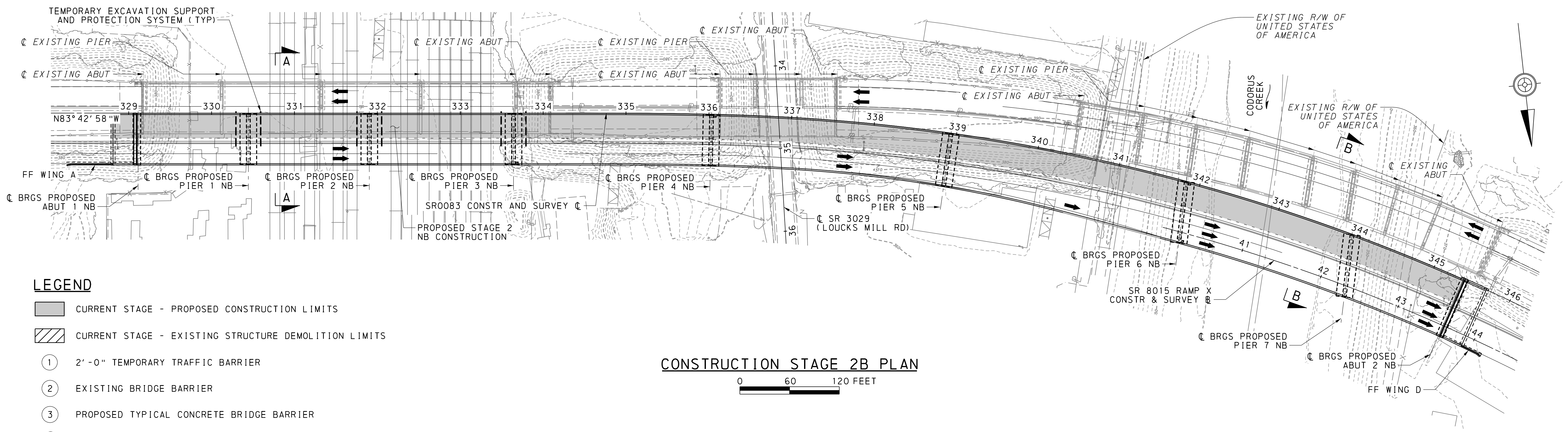
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SHEET 9 OF 12

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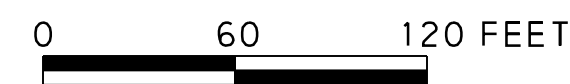
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**LEGEND**

- CURRENT STAGE - PROPOSED CONSTRUCTION LIMITS
- CURRENT STAGE - EXISTING STRUCTURE DEMOLITION LIMITS
- ① 2'-0" TEMPORARY TRAFFIC BARRIER
- ② EXISTING BRIDGE BARRIER
- ③ PROPOSED TYPICAL CONCRETE BRIDGE BARRIER
- ④ SPLIT CONCRETE GLARE SCREEN MEDIAN BARRIER, 4'-2" HEIGHT & 1'-8 1/4" WIDTH

**CONSTRUCTION STAGE 2B PLAN**



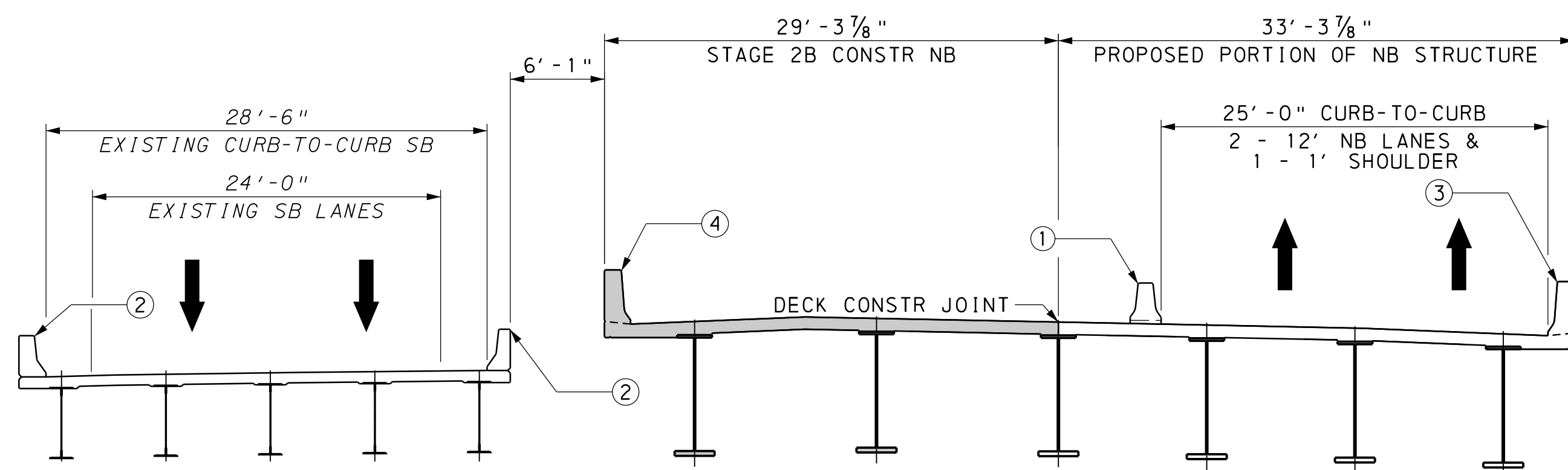
**CONSTRUCTION STAGE 2B NOTES:**

PRIOR TO CONSTRUCTION ACTIVITIES, ENACT STAGING PROCEDURES PER THE APPROVED TRAFFIC CONTROL PLAN AND INSTALL EROSION & SEDIMENT POLLUTION CONTROL MEASURES PER THE APPROVED E&S PLAN.

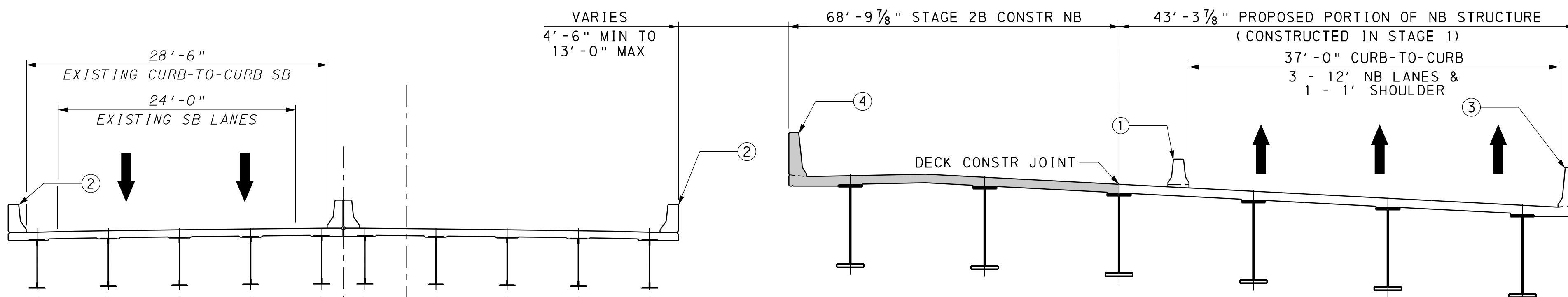
1. PROPOSED NORTHBOUND CONSTRUCTION:
  - EXCAVATE AND CONSTRUCT REMAINING PORTION OF NORTHBOUND ABUTMENT 1 FOOTING AND STEM AS INDICATED.
  - EXCAVATE AND CONSTRUCT REMAINING PORTIONS OF NORTHBOUND PIERS 1 THROUGH 5 AS INDICATED.
  - INSTALL POT BEARINGS AND ERECT REMAINING PORTIONS OF GIRDERS G6 & G7 IN SPANS 1 THROUGH 6 IN ACCORDANCE WITH THE GIRDER ERECTION SEQUENCE.
  - CONSTRUCT REMAINING PORTION OF NORTHBOUND DECK SLAB OVER GIRDERS G6 & G7 ACCORDING TO THE DECK POUR SEQUENCE PLAN.
  - CONSTRUCT REMAINING PORTION OF NORTHBOUND APPROACH SLAB 1 AND SLEEPER SLAB AS INDICATED.

**NOTES:**

1. FOR ABUTMENT 1 DETAILS, SEE SHEETS XX THROUGH XX.
2. FOR ABUTMENT 2 DETAILS, SEE SHEETS XX THROUGH XX.
3. FOR PIER DETAILS, SEE SHEETS XX THROUGH XX.
4. FOR HIGH LOAD MULTI-ROTATIONAL POT BEARING DETAILS, SEE SHEETS XX THROUGH XX.
5. FOR STEEL GIRDER DETAILS, SEE SHEETS XX THROUGH XX.
6. FOR DECK DETAILS, SEE SHEETS XX THROUGH XX.
7. FOR APPROACH SLAB DETAILS, SEE SHEETS XX THROUGH XX.
8. FOR GIRDER ERECTION SEQUENCE, SEE SHEETS XX THROUGH XX.



**SECTION A-A**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE

MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
 DEPARTMENT OF TRANSPORTATION  
  
**YORK COUNTY**  
 S.R. 0083 SEC 091  
 SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
 SR 0083 STA 337+24.81  
 OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
**8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE**  
**CONSTRUCTION STAGE 2B**

RECOMMENDED \_\_\_\_\_ SHEET 10 OF 12

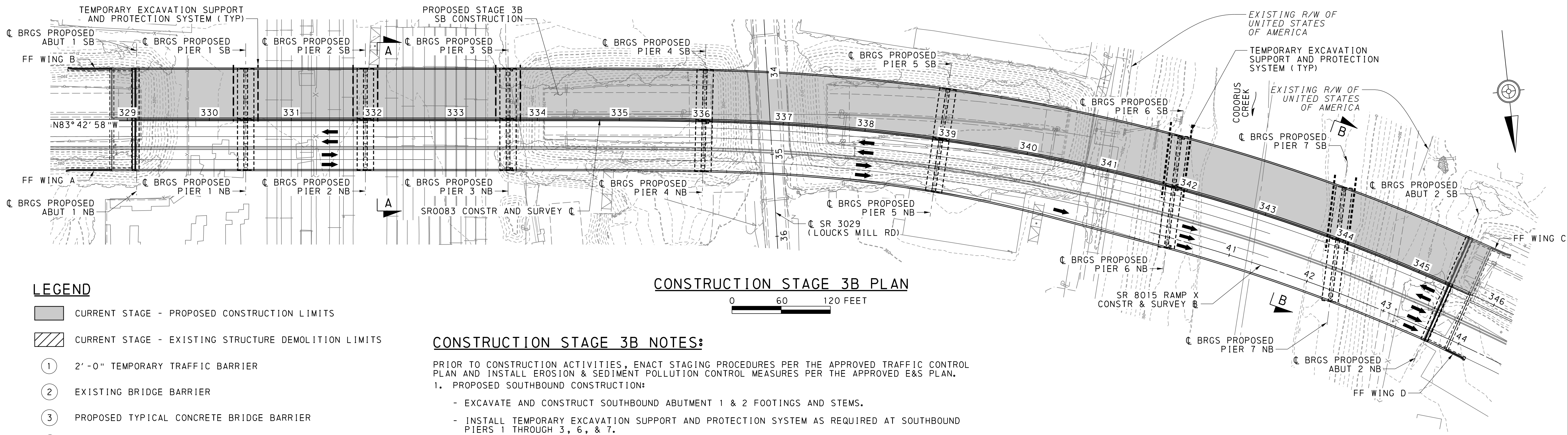
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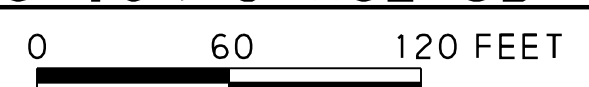


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**CONSTRUCTION STAGE 3B PLAN**



**LEGEND**

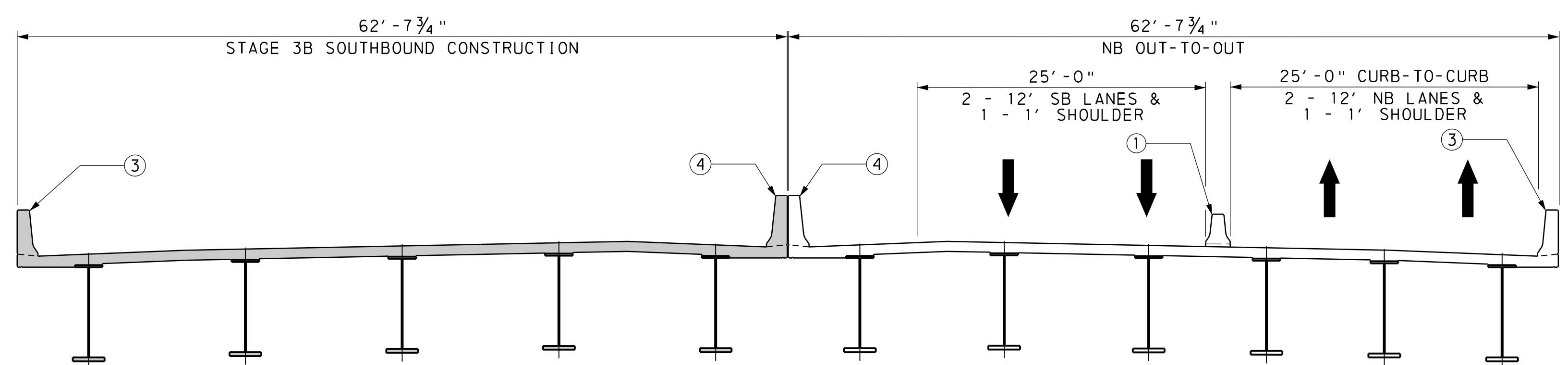
- CURRENT STAGE - PROPOSED CONSTRUCTION LIMITS
- CURRENT STAGE - EXISTING STRUCTURE DEMOLITION LIMITS
- ① 2'-0" TEMPORARY TRAFFIC BARRIER
- ② EXISTING BRIDGE BARRIER
- ③ PROPOSED TYPICAL CONCRETE BRIDGE BARRIER
- ④ SPLIT CONCRETE GLARE SCREEN MEDIAN BARRIER, 4'-2" HEIGHT & 1'-8 1/4" WIDTH

**CONSTRUCTION STAGE 3B NOTES:**

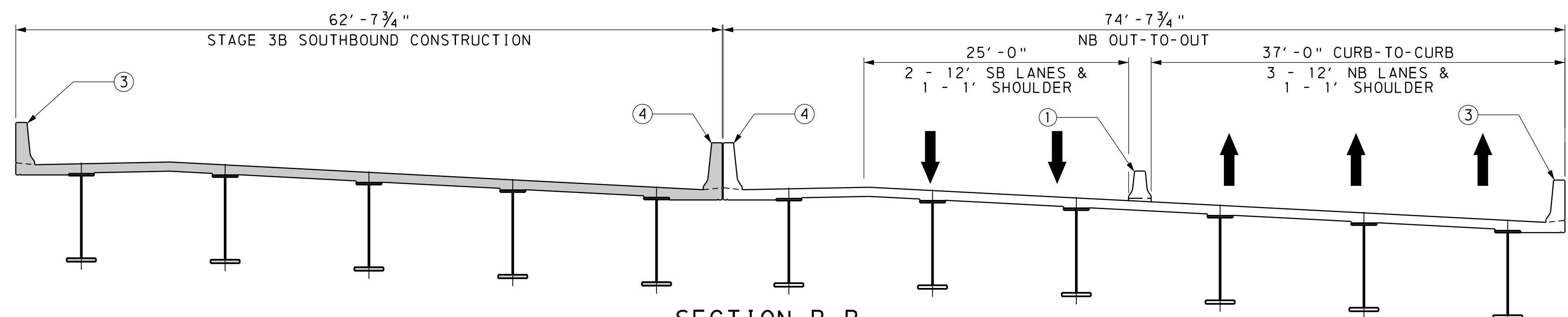
- PRIOR TO CONSTRUCTION ACTIVITIES, ENACT STAGING PROCEDURES PER THE APPROVED TRAFFIC CONTROL PLAN AND INSTALL EROSION & SEDIMENT POLLUTION CONTROL MEASURES PER THE APPROVED E&S PLAN.
1. PROPOSED SOUTHBOUND CONSTRUCTION:
    - EXCAVATE AND CONSTRUCT SOUTHBOUND ABUTMENT 1 & 2 FOOTINGS AND STEMS.
    - INSTALL TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM AS REQUIRED AT SOUTHBOUND PIERS 1 THROUGH 3, 6, & 7.
    - EXCAVATE AND CONSTRUCT SOUTHBOUND PIERS 1 THROUGH 7.
    - INSTALL POT BEARINGS AND ERECT GIRDERS G1 THROUGH G5 IN ALL SPANS IN ACCORDANCE WITH THE GIRDER ERECTION SEQUENCE.
    - CONSTRUCT SOUTHBOUND DECK SLAB ACCORDING TO THE DECK POUR SEQUENCE PLAN.
    - CONSTRUCT SOUTHBOUND APPROACH SLABS AND SLEEPER SLABS.
  2. SHIFT SOUTHBOUND TRAFFIC ONTO PROPOSED SOUTHBOUND STRUCTURE IN ACCORDANCE WITH STAGE 3 OF THE APPROVED TRAFFIC CONTROL PLAN.
  3. REMOVE TEMPORARY GLARE SCREEN BARRIER ON THE NORTHBOUND BRIDGE.
  4. REMOVE E&S MEASURES AND RESTORE SITE.

**NOTES:**

1. FOR ABUTMENT 1 DETAILS, SEE SHEETS XX THROUGH XX.
2. FOR ABUTMENT 2 DETAILS, SEE SHEETS XX THROUGH XX.
3. FOR PIER DETAILS, SEE SHEETS XX THROUGH XX.
4. FOR HIGH LOAD MULTI-ROTATIONAL POT BEARING DETAILS, SEE SHEETS XX THROUGH XX.
5. FOR STEEL GIRDER DETAILS, SEE SHEETS XX THROUGH XX.
6. FOR DECK DETAILS, SEE SHEETS XX THROUGH XX.
7. FOR APPROACH SLAB DETAILS, SEE SHEETS XX THROUGH XX.
8. FOR GIRDER SEQUENCE, SEE SHEETS XX THROUGH XX.



**SECTION A-A**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE

MARK	DESCRIPTION	BY	CHK'D	RECM'D	DATE
REVISIONS					

**COMMONWEALTH OF PENNSYLVANIA**  
DEPARTMENT OF TRANSPORTATION

**YORK COUNTY**  
S.R. 0083 SEC 091

SEG 0204 OFFSET 0000 NB; SEG 0205 OFFSET 0000 SB  
SR 0083 STA 337+24.81  
OVER N/S RAIL YARD, LOUCKS MILL, CODORUS CREEK  
8-SPAN CONTINUOUS STEEL PLATE GIRDER BRIDGE  
CONSTRUCTION STAGE 3B

RECOMMENDED \_\_\_\_\_

SHEET 12 OF 12

S-39605