

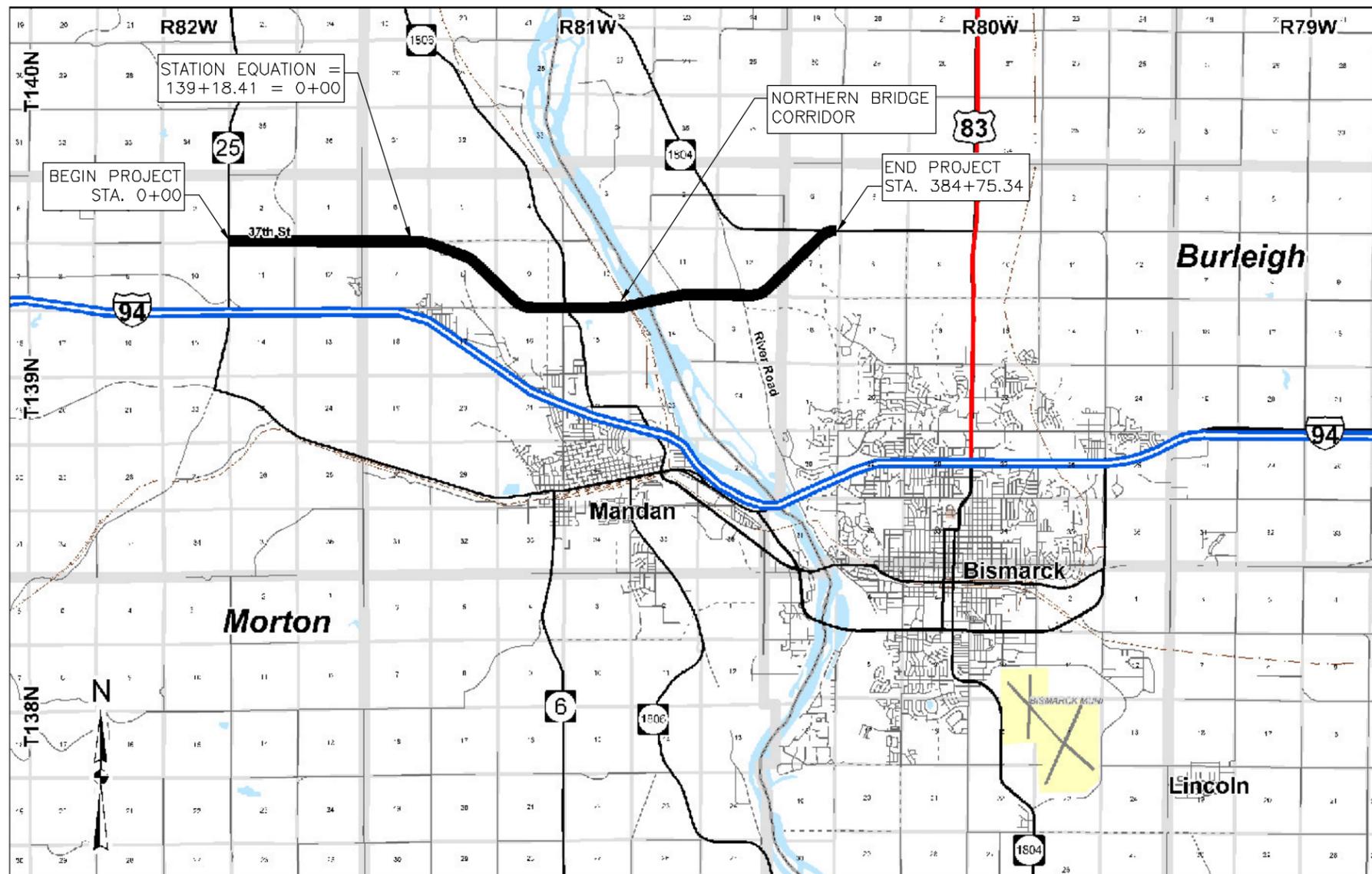
STATE OF NORTH DAKOTA
SHOWING COUNTIES

BISMARCK-MANDAN MPO

NORTHERN BRIDGE CORRIDOR PRESERVATION AREA IN BURLEIGH & MORTON COUNTIES

Table of Contents

1	Title
2-23	Plan & Profile View



ANY QUESTIONS REGARDING THESE PLANS CAN BE DIRECTED TO:
ROBERT SHANNON
KADRMAS, LEE & JACKSON
3237 E BROADWAY or
PO BOX 1157
BISMARCK, ND 58502-1157
PHONE (701)-355-8400
FAX (701)-255-0943

Date: 02-01-2005

Kadrmas
Lee & Jackson
Engineers, Surveyors
and Planners



LEGEND

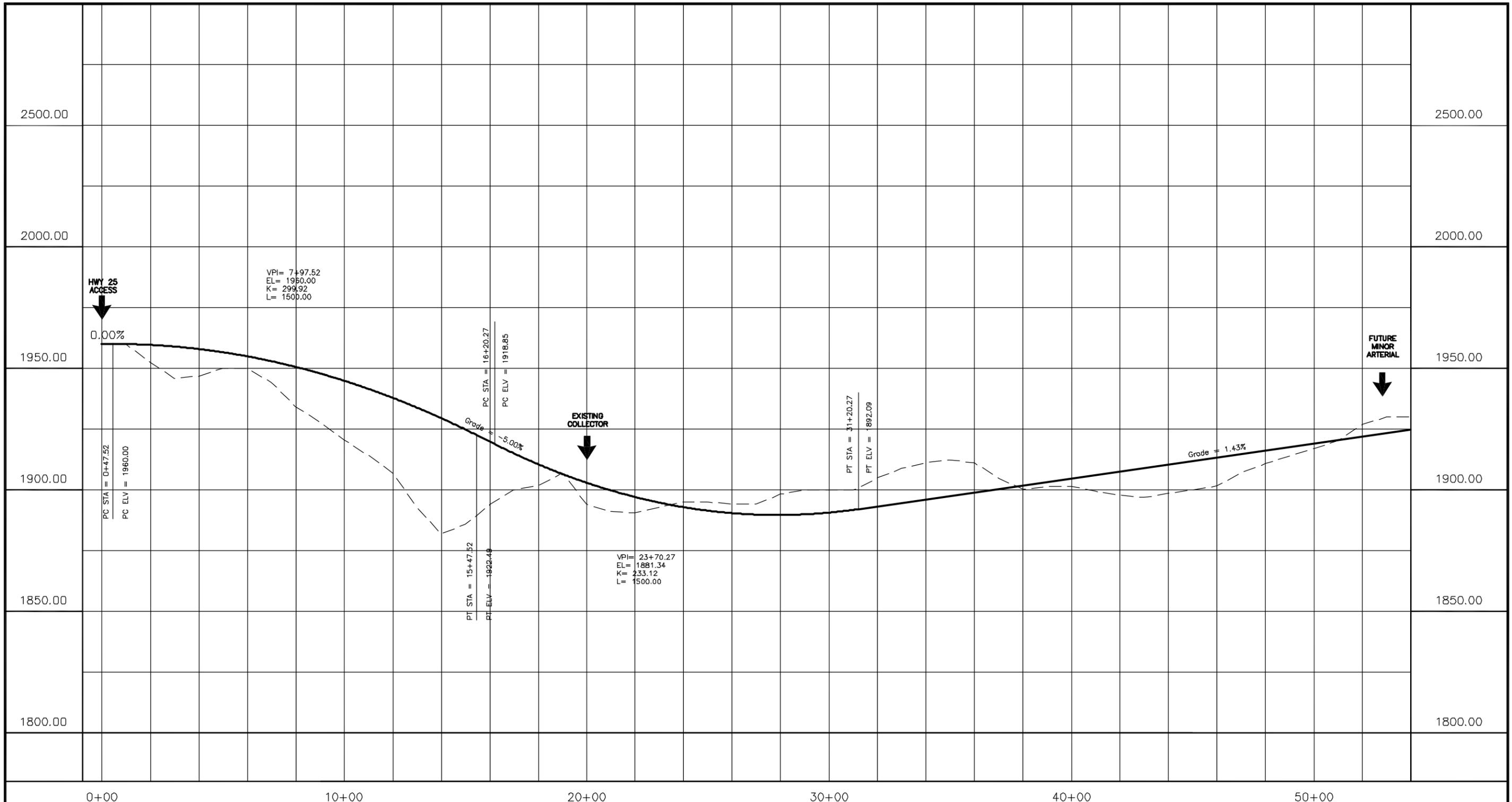
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER
	PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.



Rev'D	04/07/2005	Scale:	1:400
NORTHERN BRIDGE CORRIDOR		SHEET NO. 2	
Bismarck-Mandan MPO Burleigh & Morton Counties			
Kadmas Lee & Jackson		CORRIDOR PRESERVATION PLAN VIEW	
DESIGNER	DATE	CHECKED	DATE
DMS/VLN	02/03/2005	RJS	10/30/01
PROJECT NO. 1003001			
DRAWN BY: JLV			
PROJECT NO. 1003001			
DATE 02/03/2005			
J:\Vornas\1003001\cadd\1003001PR1.dwg			
Kadmas, Lee & Jackson 2005			



LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE VERTICAL PROFILE
	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO. 3
NORTHERN BRIDGE CORRIDOR Bismarck-Mandan MPO Burleigh & Morton Counties		
 Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PROFILE
DRAWN BY AD/LN	CHK'D BY RJS	PROJECT NO. 1003001
		DATE 02/03/2006
J:\trans\1003001\cadd\1003001Profile.dwg		
© Kadrmass, Lee & Jackson 2005		

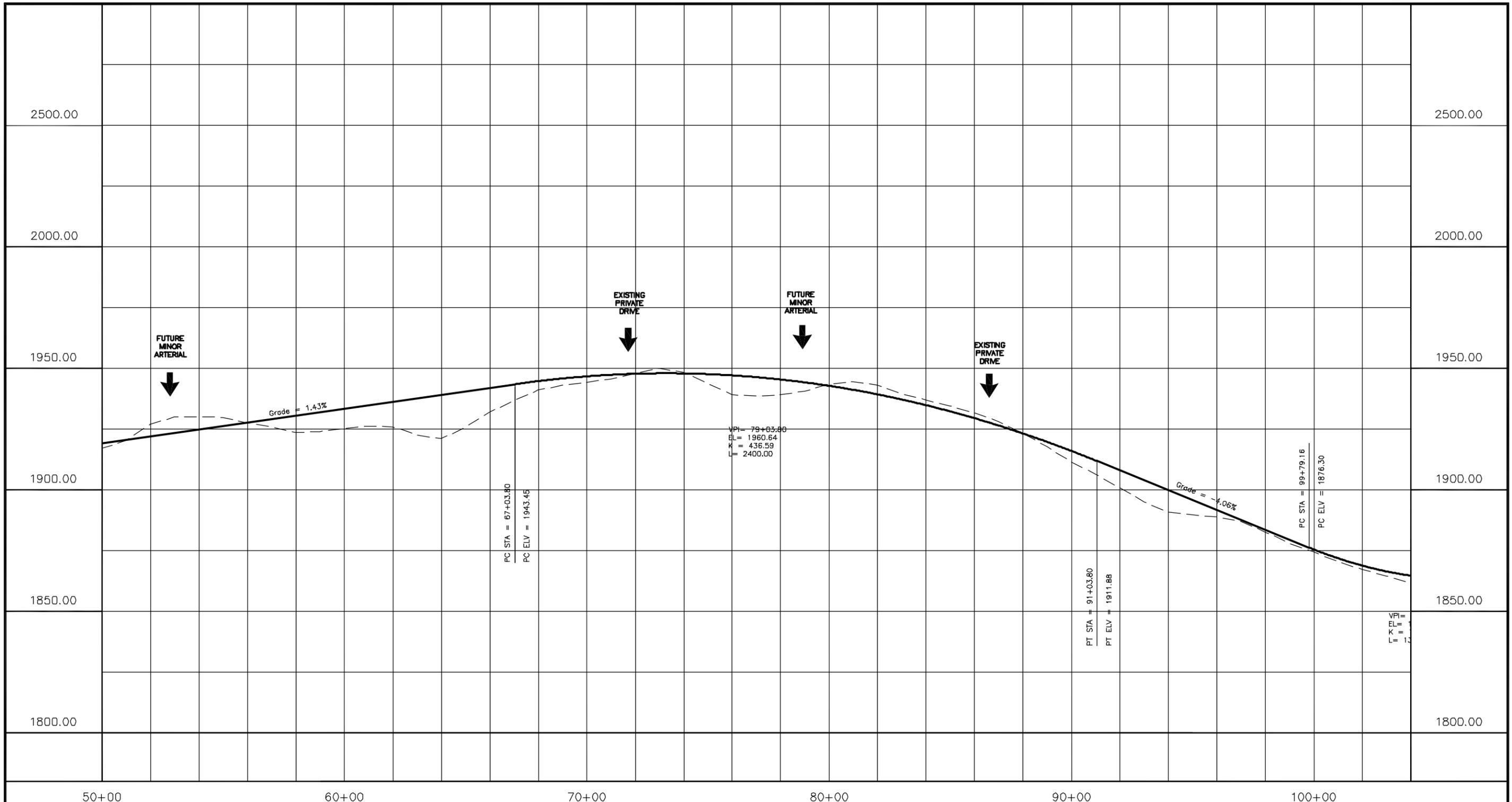


LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			4
Burleigh & Morton Counties			
		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trans\1003001\cadd\1003001Plat.dwg			()
© Kadrmass, Lee & Jackson 2005			



LEGEND

↓ EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION

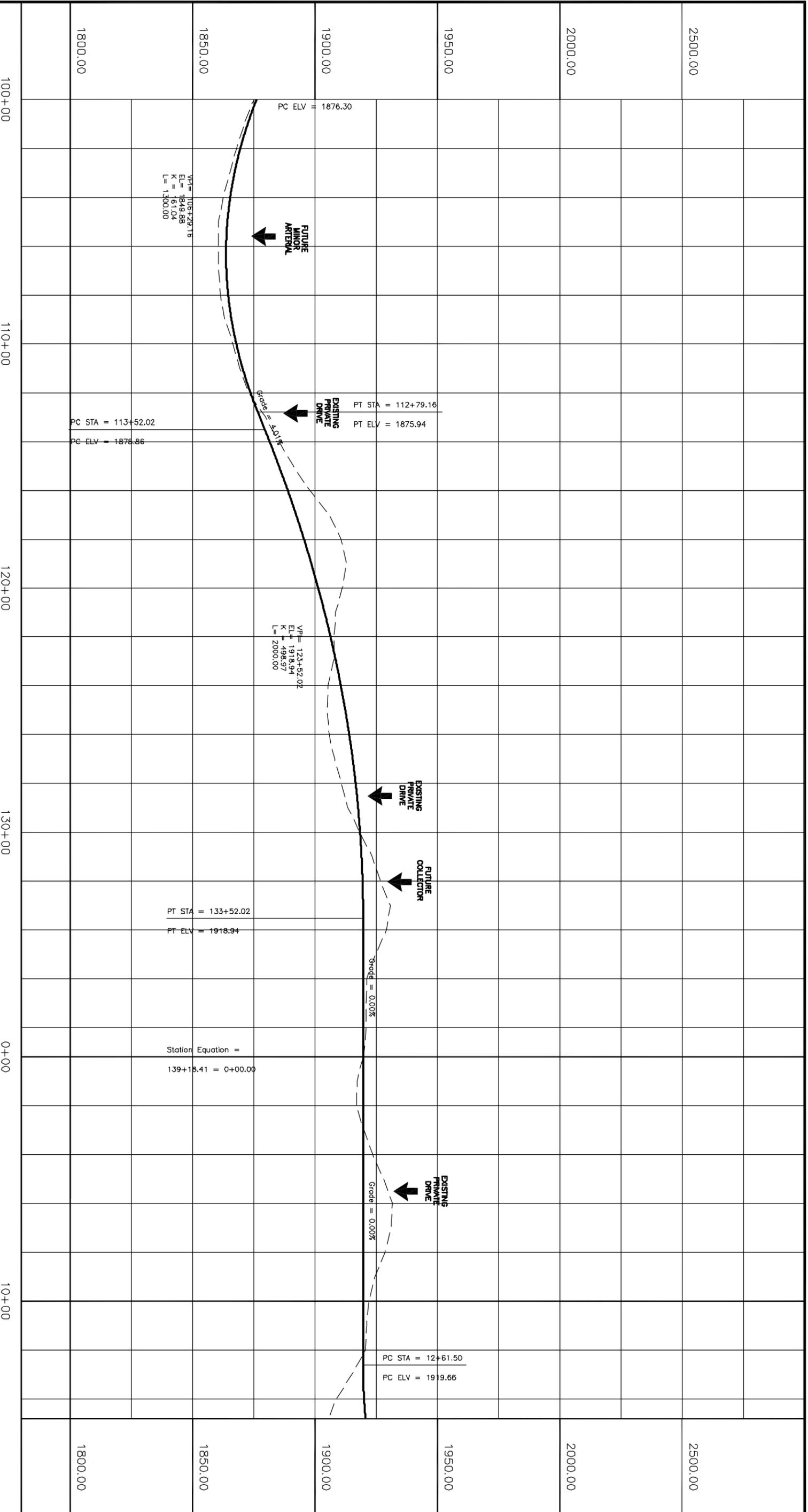
— FUTURE VERTICAL PROFILE

- - - EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO.
NORTHERN BRIDGE CORRIDOR		5
Bismarck-Mandan MPO Burleigh & Morton Counties		
		CORRIDOR PRESERVATION PROFILE
DRWN. BY AD/LN	CHK'D BY RJS	PROJECT NO. 1003001
		DATE 02/03/2005
J:\trans\1003001\cadd\1003001Profile.dwg		
© Kadmas, Lee & Jackson 2005		



LEGEND

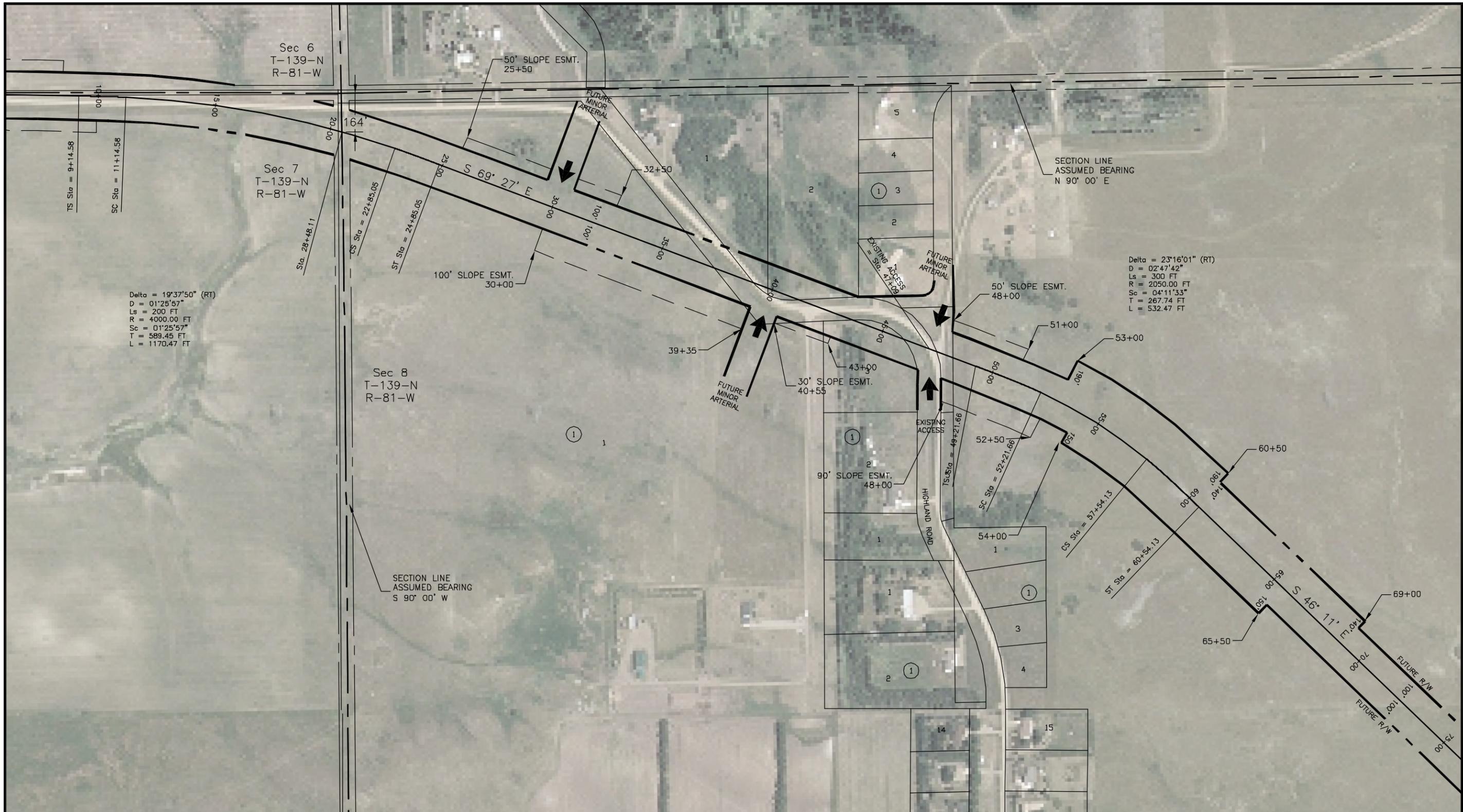
- EXISTING ACCESS OR FUTURE BRIDGE AREA ROAD MASTER PLAN INTERSECTION
- - - - - FUTURE VERTICAL PROFILE
- - - - - EXISTING VERTICAL PROFILE

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

Rev'd	00/00/0000	Scale:	1:400 Horz. 1:40 Ver.
NORTHERN BRIDGE CORRIDOR		SHEET NO. 7	
Bismarck-Mandan MPO Burleigh & Morton Counties			
CORRIDOR PRESERVATION PROFILE			
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
AD/UN	RJS	1003001	02/03/2005

J:\Verna\1003001\cadd\1003001Profile.dwg © Kadmas, Lee & Jackson 2005



Delta = 19°37'50" (RT)
 D = 01'25'57"
 Ls = 200 FT
 R = 4000.00 FT
 Sc = 01'25'57"
 T = 589.45 FT
 L = 1170.47 FT

Delta = 23°16'01" (RT)
 D = 02'47'42"
 Ls = 300 FT
 R = 2050.00 FT
 Sc = 04'11'33"
 T = 267.74 FT
 L = 532.47 FT

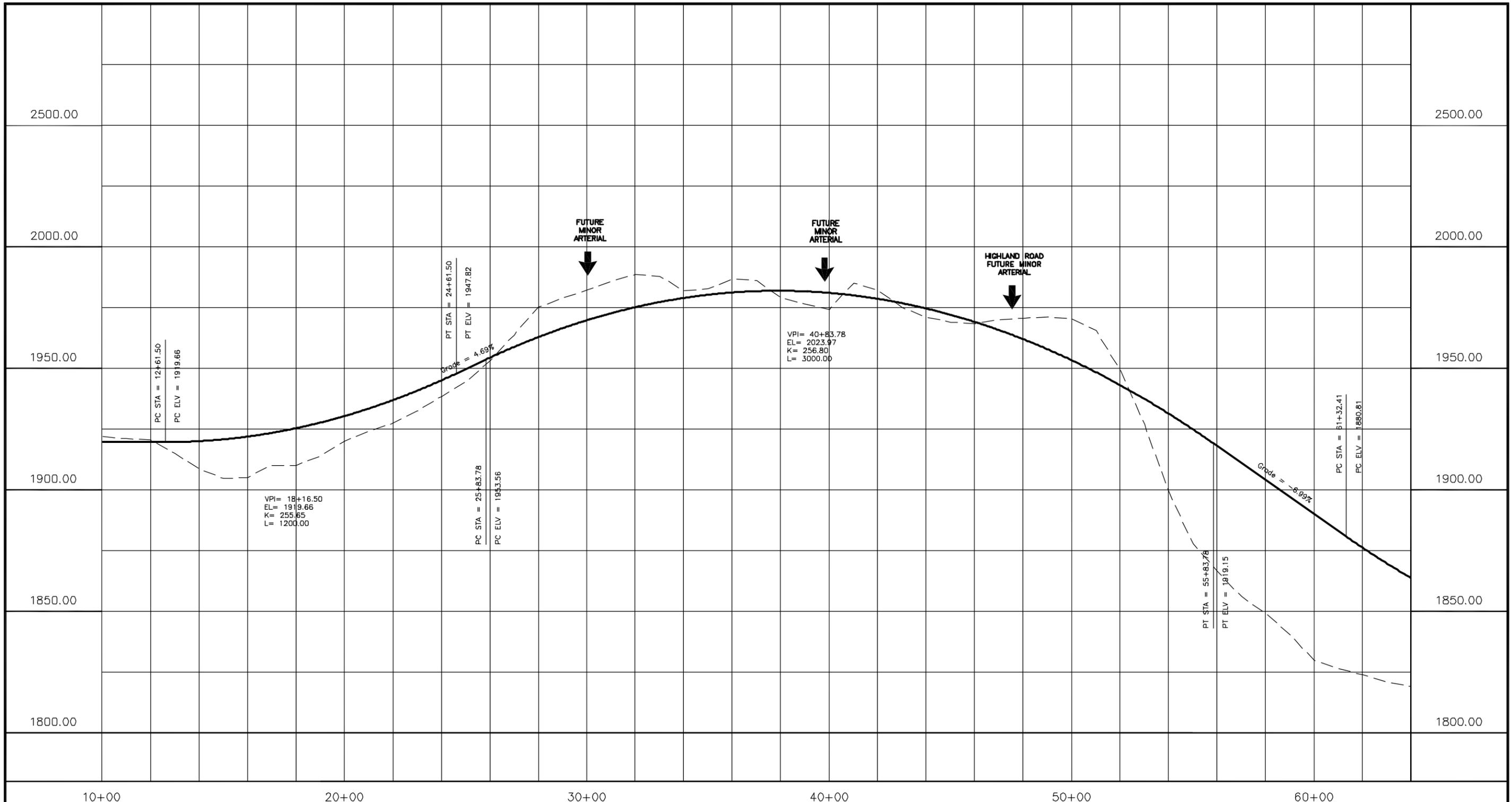
LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.



NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			8
Burleigh & Morton Counties			
		CORRIDOR PRESERVATION PLAN VIEW	
DRWN. BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trans\1003001\cadd\1003001Plat.dwg			()
© Kadmas, Lee & Jackson 2005			



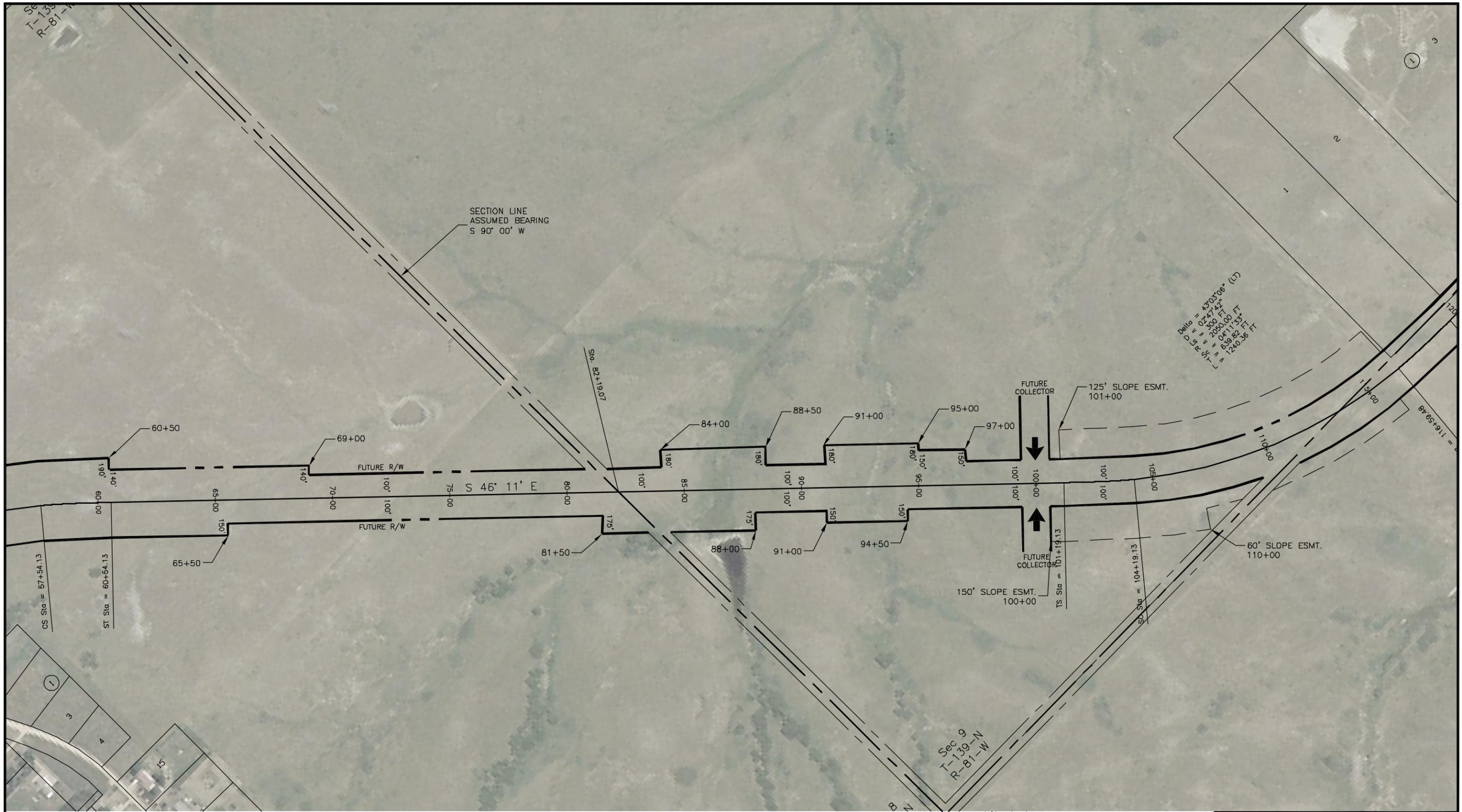
LEGEND

 EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
 FUTURE VERTICAL PROFILE
 EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO. 9
NORTHERN BRIDGE CORRIDOR Bismarck-Mandan MPO Burleigh & Morton Counties		
 Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PROFILE
DRWN. BY AD/LN	CHK'D BY RJS	PROJECT NO. 1003001
		DATE 02/03/2005
J:\trane\1003001\cadd\1003001Profile.dwg		
© Kadrmass, Lee & Jackson 2005		



Delta = 43707.08* (LT)
 B = 02747.42*
 C = 300.00 FT
 D = 047133* FT
 E = 638.82* FT
 F = 240.36 FT

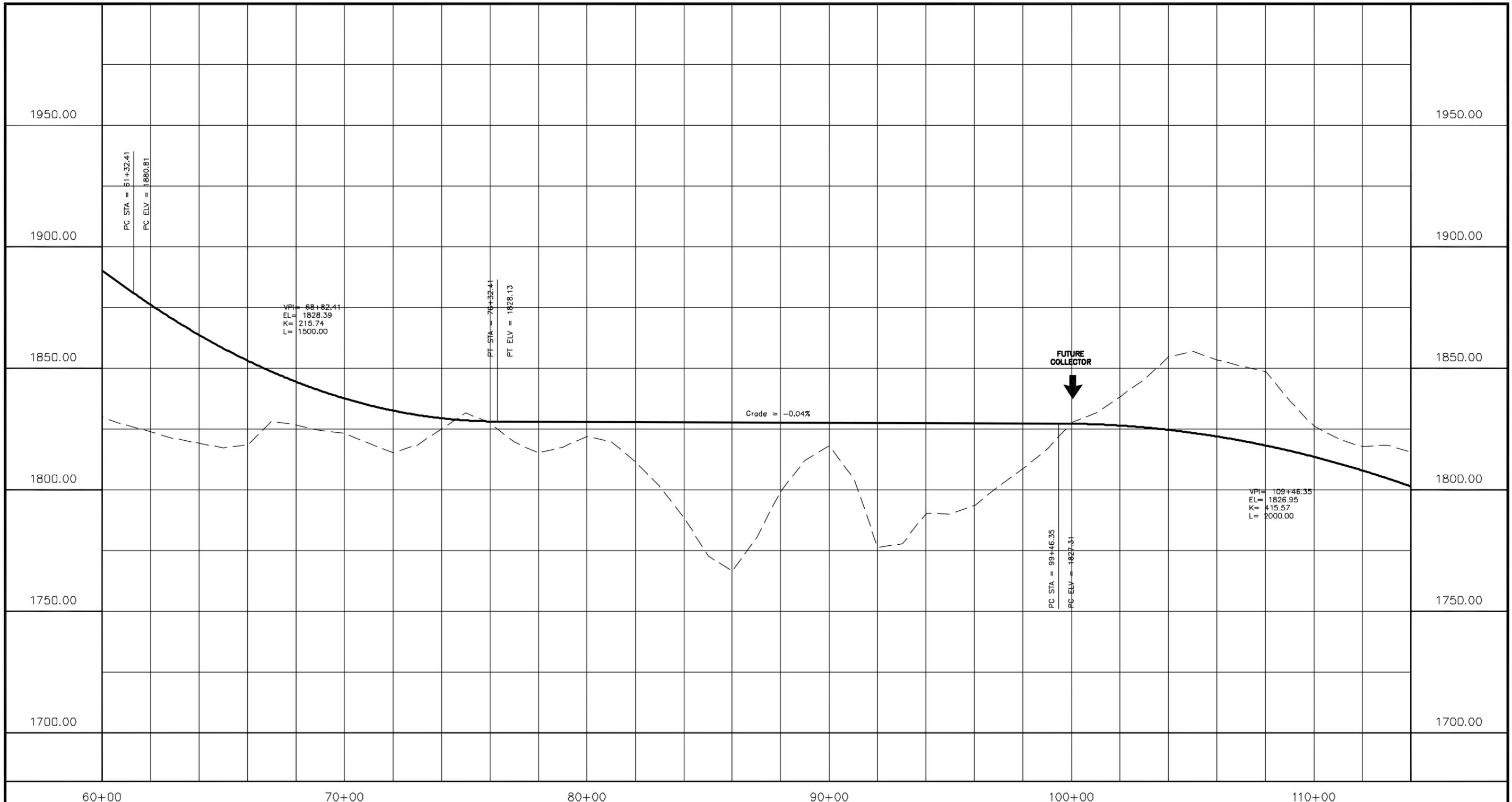
LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.



NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400
NORTHERN BRIDGE CORRIDOR	
<i>Bismarck-Mandan MPO</i> Burleigh & Morton Counties	
SHEET NO. 10	
Kadmas Lee & Jackson <i>Engineers, Surveyors and Planners</i>	
DRWN. BY DMS/LN	CHK'D BY RJS
PROJECT NO. 1003001	DATE 02/03/2005
J:\trans\1003001\cadd\1003001Plat.dwg	
© Kadmas, Lee & Jackson 2005	



LEGEND

- EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
- FUTURE VERTICAL PROFILE
- EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO.
NORTHERN BRIDGE CORRIDOR		11
Bismarck-Mandan MPO Burleigh & Morton Counties		
Kadmas Lee & Jackson		CORRIDOR PRESERVATION PROFILE
Engineers, Surveyors and Planners	DRAWN BY: AD/LN	CHK'D BY: RJS
PROJECT NO. 1003001	DATE 02/03/2005	
J:\trans\1003001\cadd\1003001Profile.dwg		
© Kadmas, Lee & Jackson 2005		

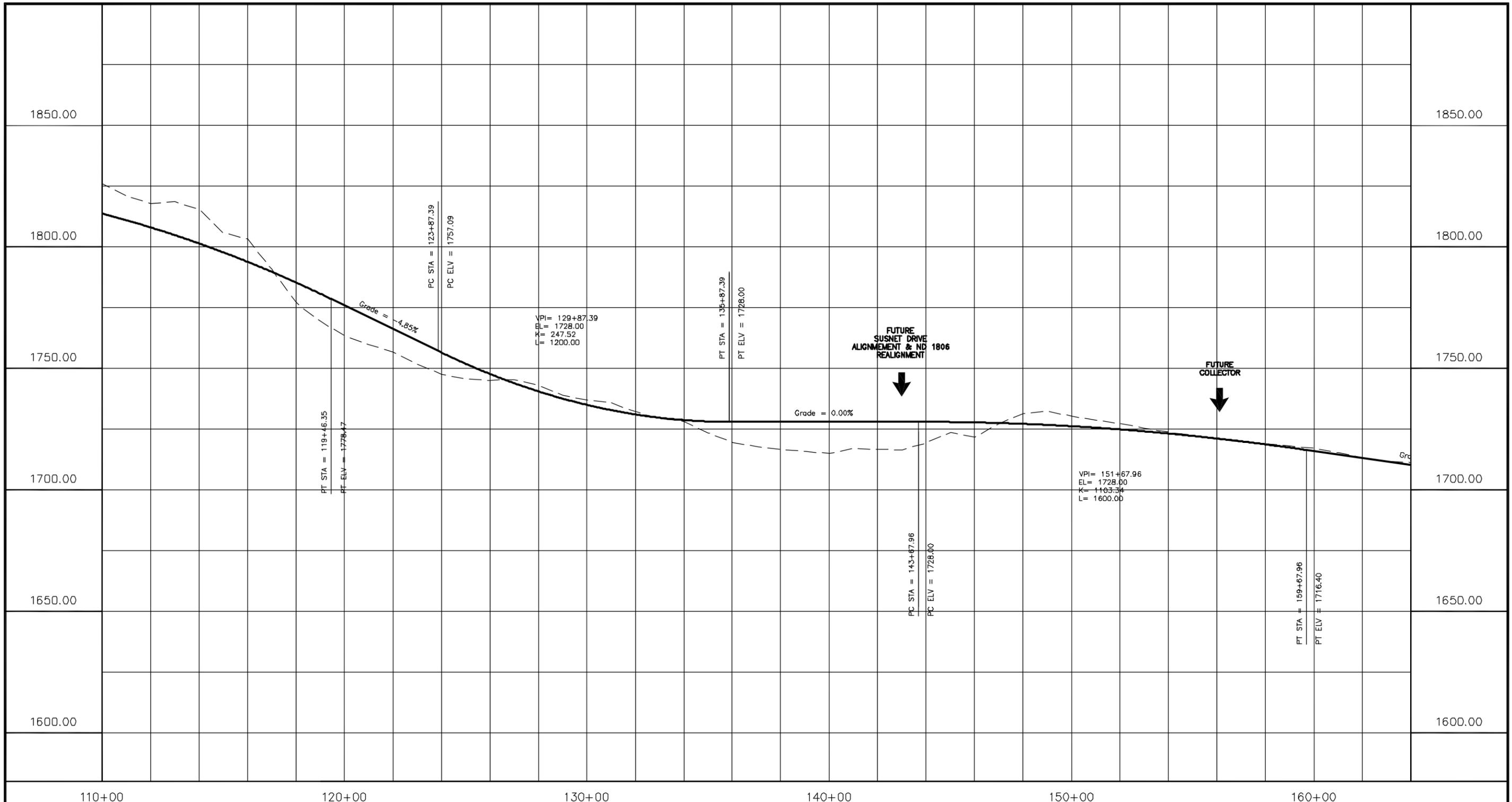


LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			12
Burleigh & Morton Counties			
		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trana\1003001\cadd\1003001Plat.dwg			()
© Kadrmass, Lee & Jackson 2005			

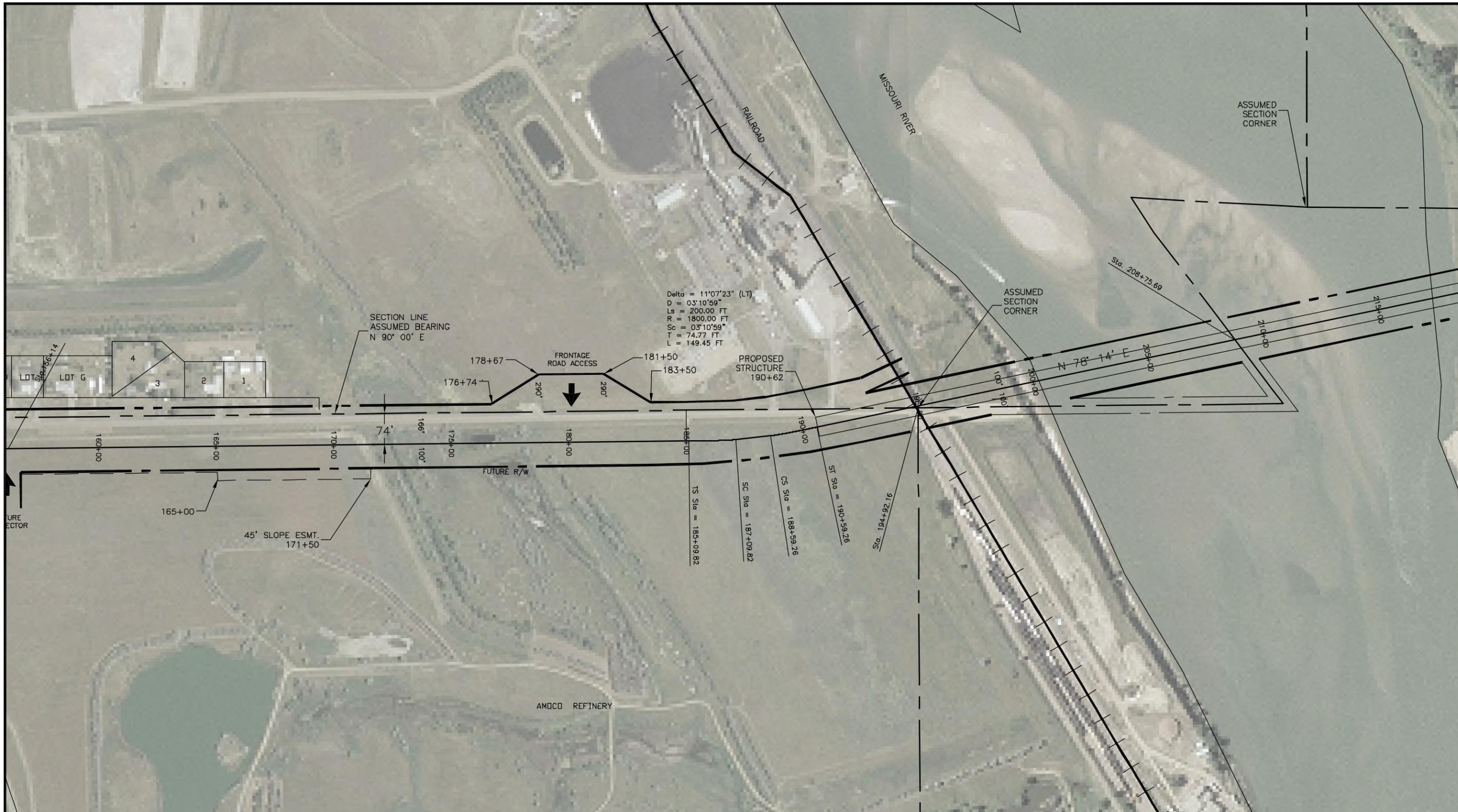


LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE VERTICAL PROFILE
	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400 Hor, 1:40 Ver
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			13
Burleigh & Morton Counties			
		CORRIDOR PRESERVATION PROFILE	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
AD/LN	RJS	1003001	02/03/2005
J:\trans\1003001\cadd\1003001Profile.dwg			()
© Kadmas, Lee & Jackson 2005			



Delta = 11° 07' 23" (LT)
 D = 03° 10' 59"
 Ls = 200.00 FT
 R = 1800.00 FT
 Sc = 03° 10' 59"
 T = 74.77 FT
 L = 149.45 FT

SECTION LINE
 ASSUMED BEARING
 N 90° 00' E

FRONTAGE
 ROAD ACCESS

PROPOSED
 STRUCTURE
 190+62

ASSUMED
 SECTION
 CORNER

Sta. 208+75.69

N 78° 14' E

FUTURE R/W

45' SLOPE ESMT.
 171+50

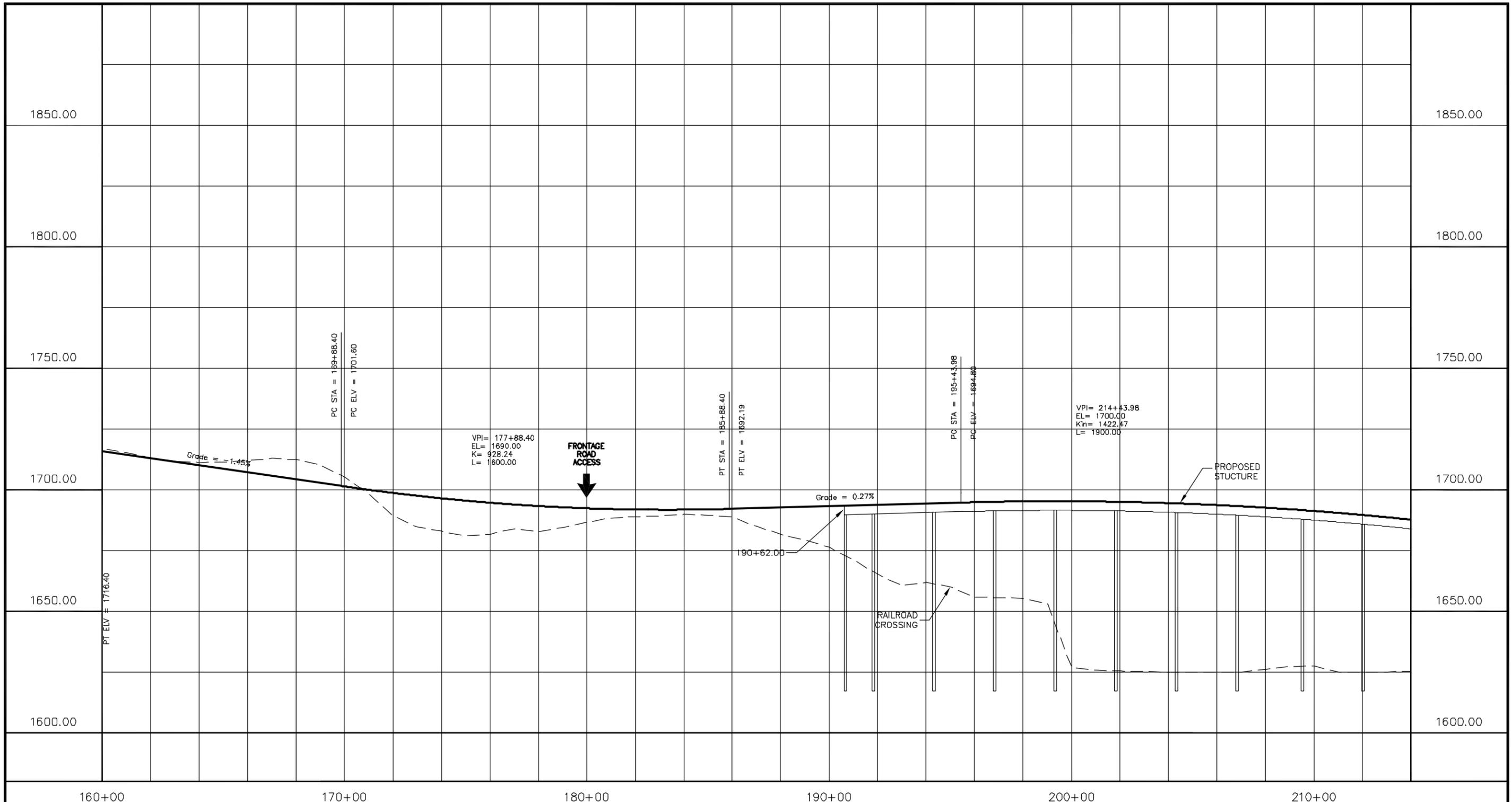
AMOCO REFINERY

LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			14
Burleigh & Morton Counties			
 Kadrmass Lee & Jackson Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trama\1003001\cadd\1003001Plat.dwg			()
© Kadrmass, Lee & Jackson 2005			

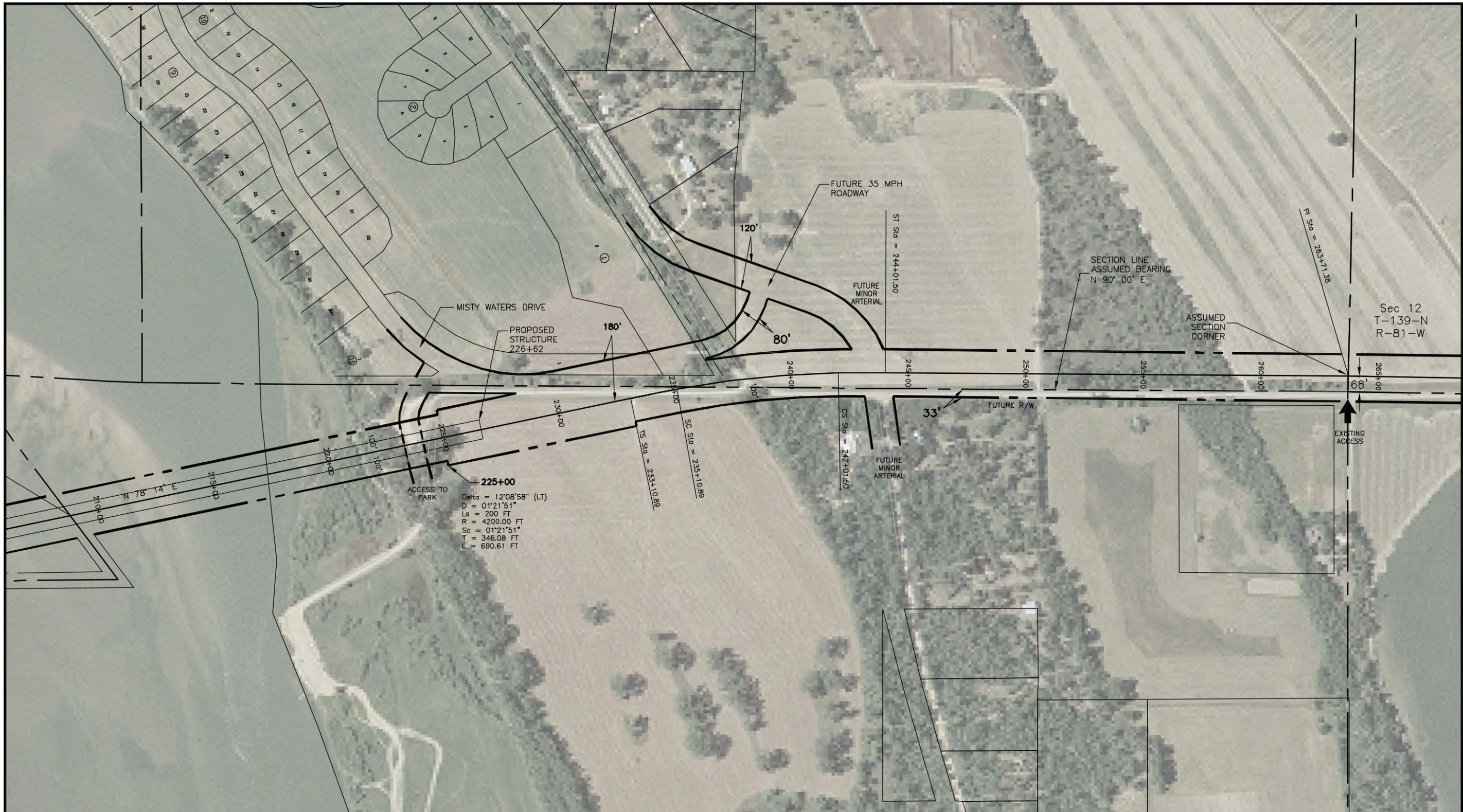


LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE VERTICAL PROFILE
	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO.
NORTHERN BRIDGE CORRIDOR		15
Bismarck-Mandan MPO Burleigh & Morton Counties		
 Kadmas Lee & Jackson Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PROFILE
DRWN. BY	CHK'D BY	PROJECT NO. DATE
AD/LN	RJS	1003001 02/03/2005
J:\trans\1003001\cadd\1003001Profile.dwg () © Kadmas, Lee & Jackson 2005		



225+00
 ACCESS TO PARK
 Delta = 12°08'58" (LT)
 D = 01°21'51"
 Ls = 200 FT
 R = 4200.00 FT
 Sc = 01°21'51"
 T = 346.08 FT
 L = 690.61 FT

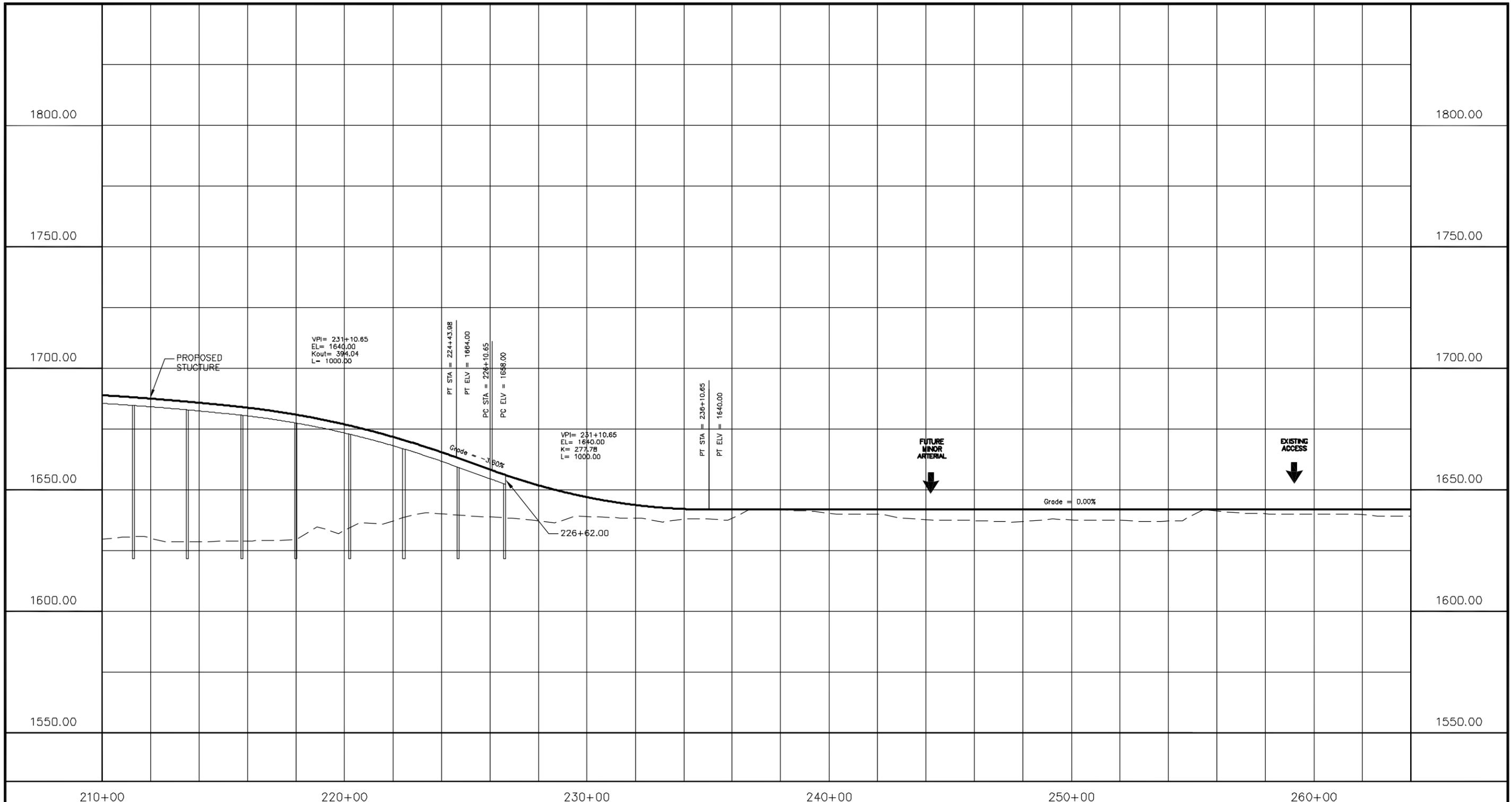
LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.



NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			16
Burleigh & Morton Counties			
 Kadrmass Lee & Jackson Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trans\1003001\cadd\1003001Plat.dwg			()
© Kadrmass, Lee & Jackson 2005			

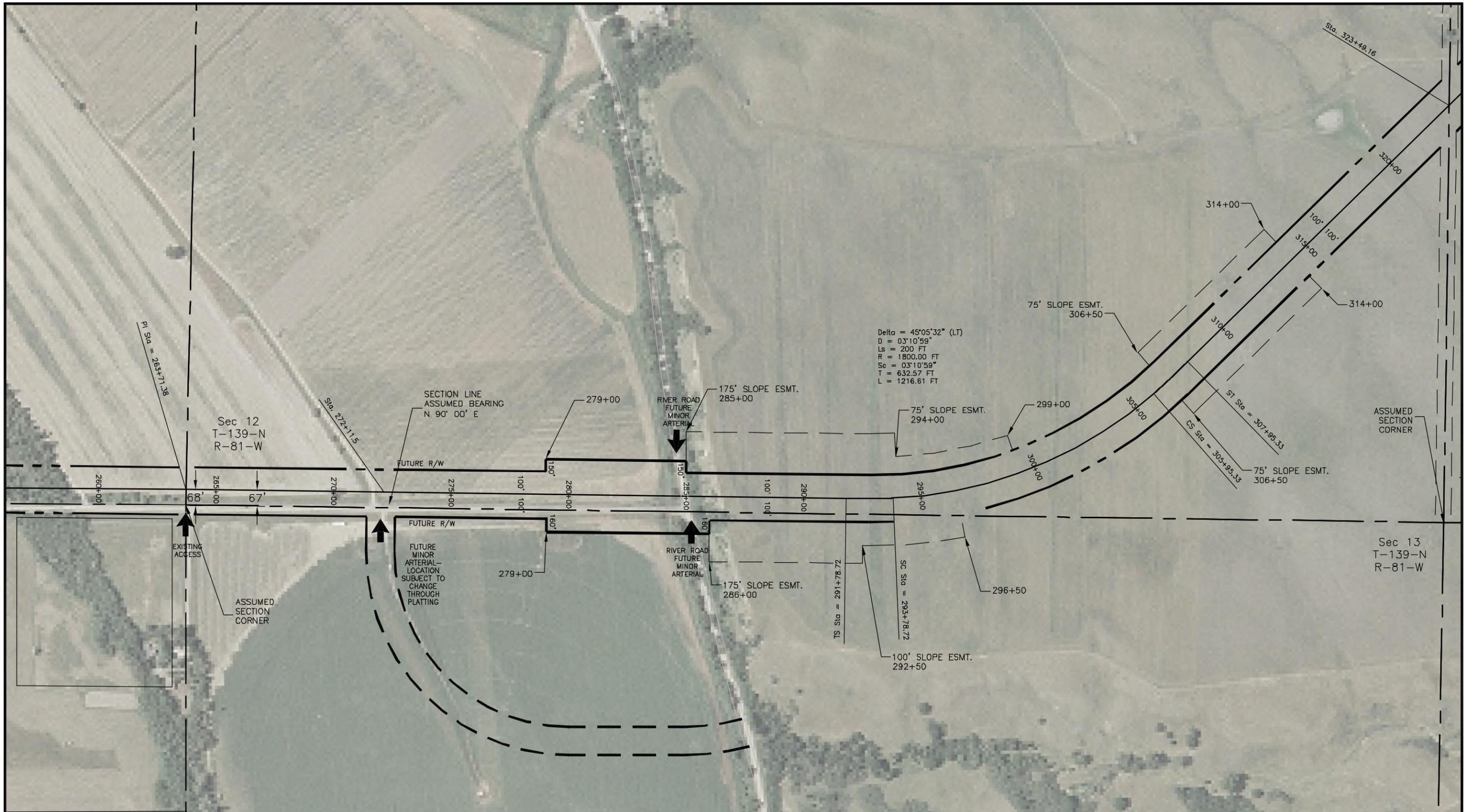


LEGEND	
↓	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
—————	FUTURE VERTICAL PROFILE
- - - - -	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO.
NORTHERN BRIDGE CORRIDOR		17
<i>Bismarck-Mandan MPO</i> Burlleigh & Morton Counties		
Kadmas Lee & Jackson		CORRIDOR PRESERVATION PROFILE
DRWN. BY AD/LN	CHK'D BY RJS	PROJECT NO. 1003001
		DATE 02/03/2005
J:\trane\1003001\cadd\1003001Profile.dwg		
© Kadmas, Lee & Jackson 2005		



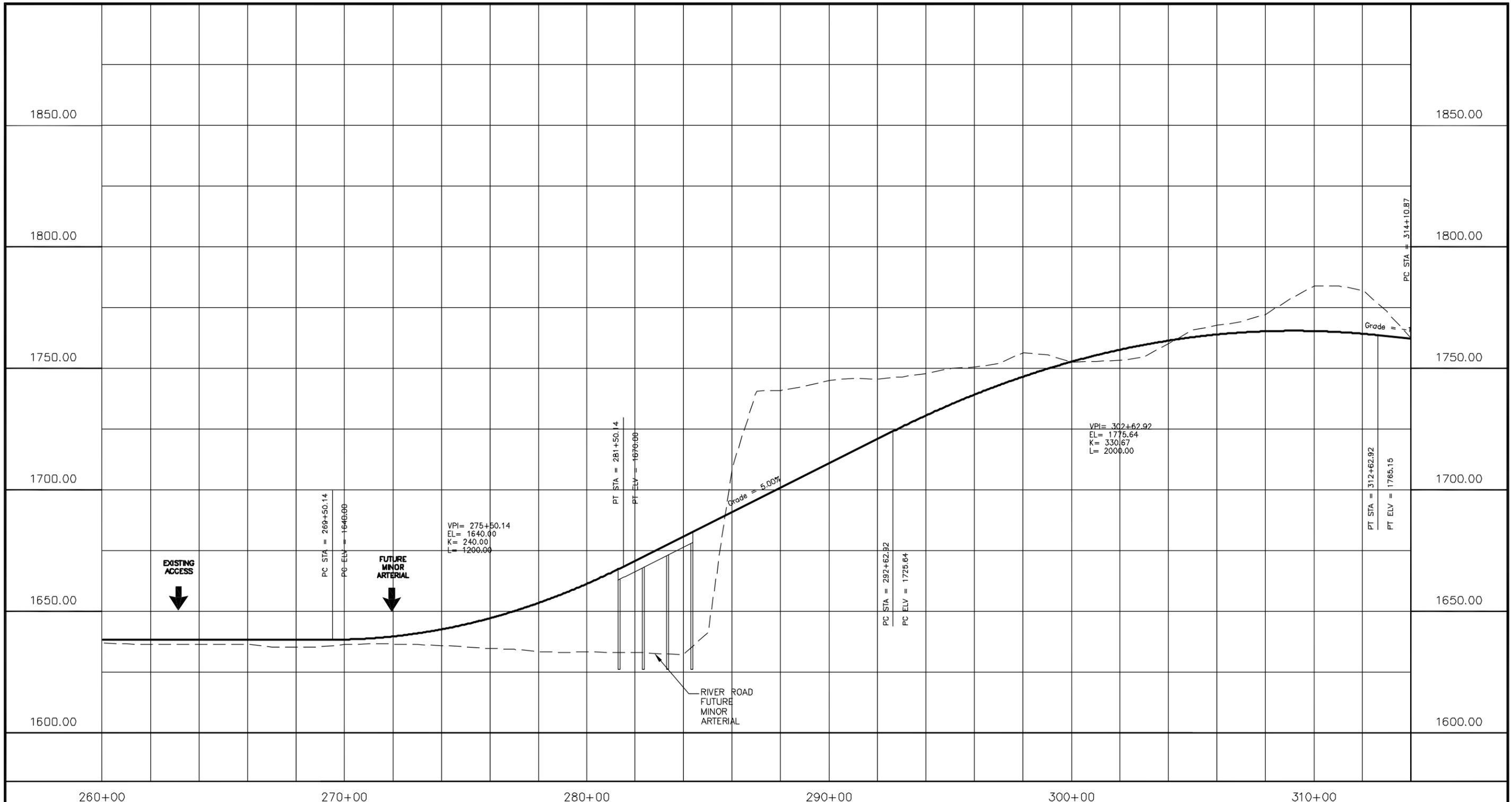
Delta = 45°05'32" (LT)
 D = 03°10'59"
 Ls = 200 FT
 R = 1800.00 FT
 Sc = 03°10'59"
 T = 632.57 FT
 L = 1216.61 FT

LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO Burleigh & Morton Counties			18
 Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trms\1003001\cadd\1003001Plat.dwg			()
© Kadrmass, Lee & Jackson 2005			

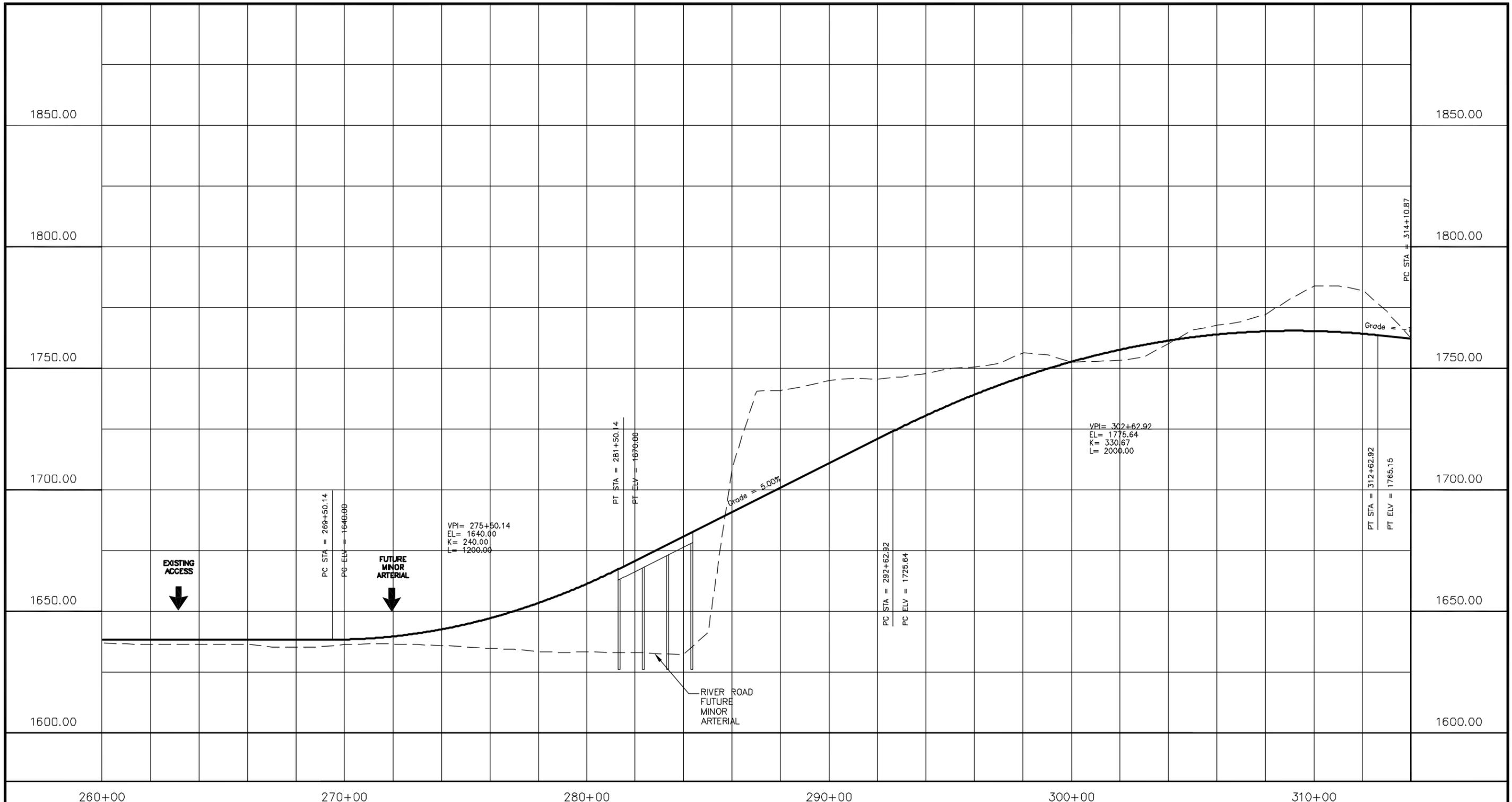


LEGEND	
↓	EXISTING ACCESS OR FUTURE FRINCE AREA ROAD MASTER PLAN INTERSECTION
—————	FUTURE VERTICAL PROFILE
- - - - -	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrrmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO. 19
NORTHERN BRIDGE CORRIDOR Bismarck-Mandan MPO Burleigh & Morton Counties		
Kadrrmas Lee & Jackson <small>Engineers, Surveyors and Planners</small>		CORRIDOR PRESERVATION PROFILE
DRWN. BY AD/LN	CHK'D BY RJS	PROJECT NO. 1003001
		DATE 02/03/2005
J:\trane\1003001\cadd\1003001Profile.dwg		
© Kadrrmas, Lee & Jackson 2005		

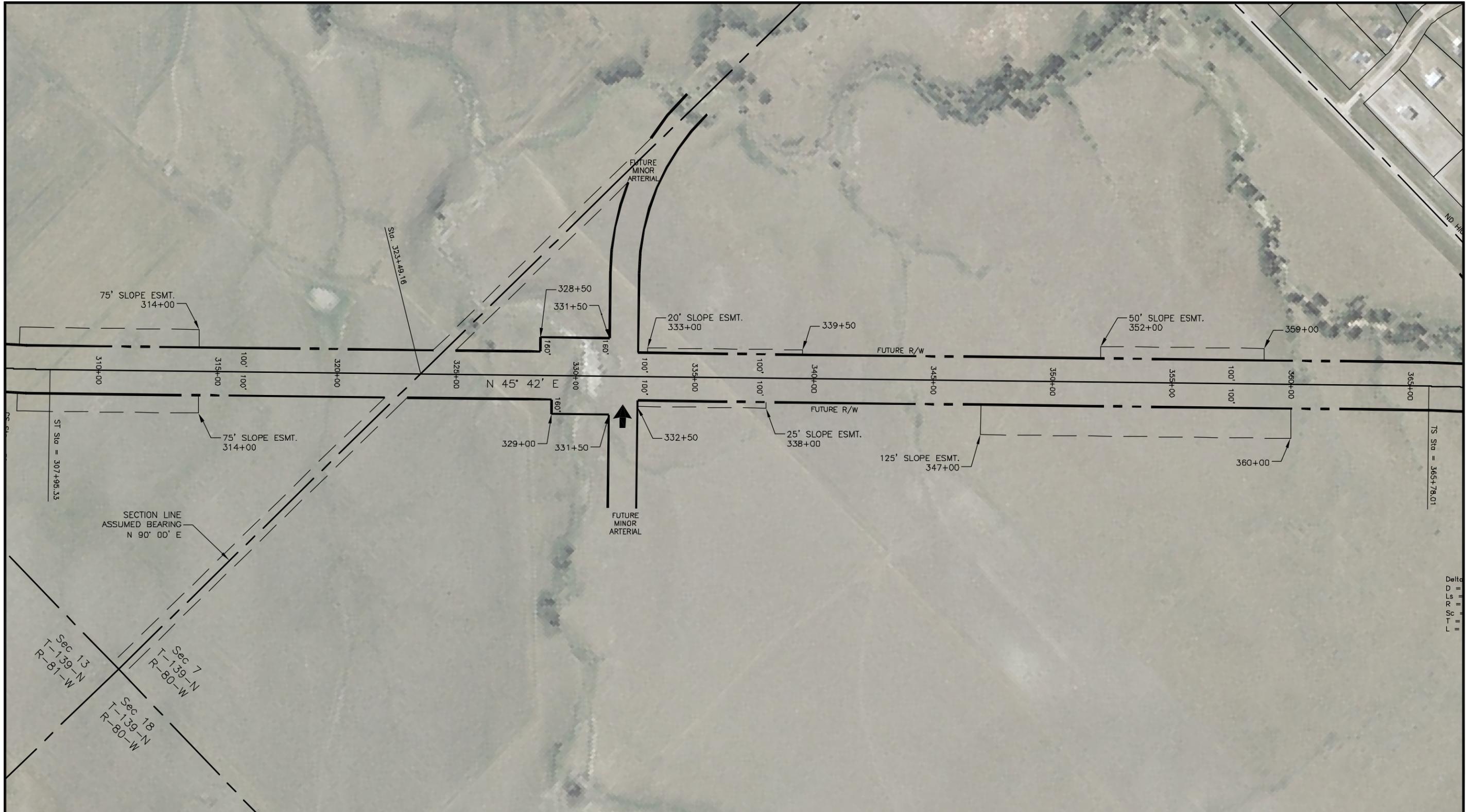


LEGEND	
	EXISTING ACCESS OR FUTURE FRINCE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE VERTICAL PROFILE
	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrrmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400 Hor, 1:40 Ver
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			19
Burleigh & Morton Counties			
		CORRIDOR PRESERVATION PROFILE	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
AD/LN	RJS	1003001	02/03/2005
J:\trane\1003001\cadd\1003001Profile.dwg			()
© Kadrrmas, Lee & Jackson 2005			



Delta
D =
Ls =
R =
Sc =
T =
L =

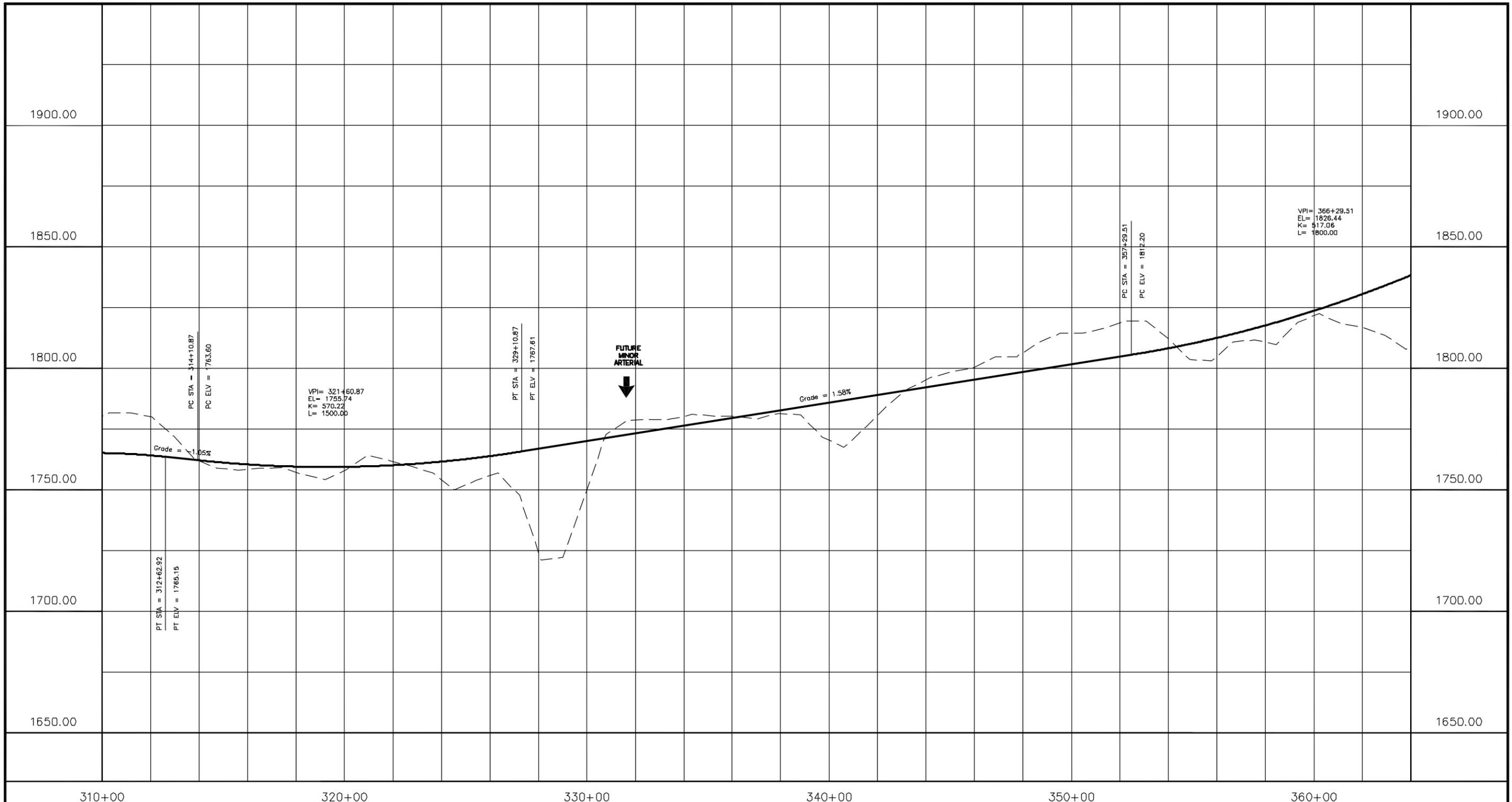
LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.



NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO Burleigh & Morton Counties			20
 Kadrmas Lee & Jackson Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
\\Bismar210\frame\1003001\cadd\1003001Plat.dwg			()
© Kadrmas, Lee & Jackson 2005			



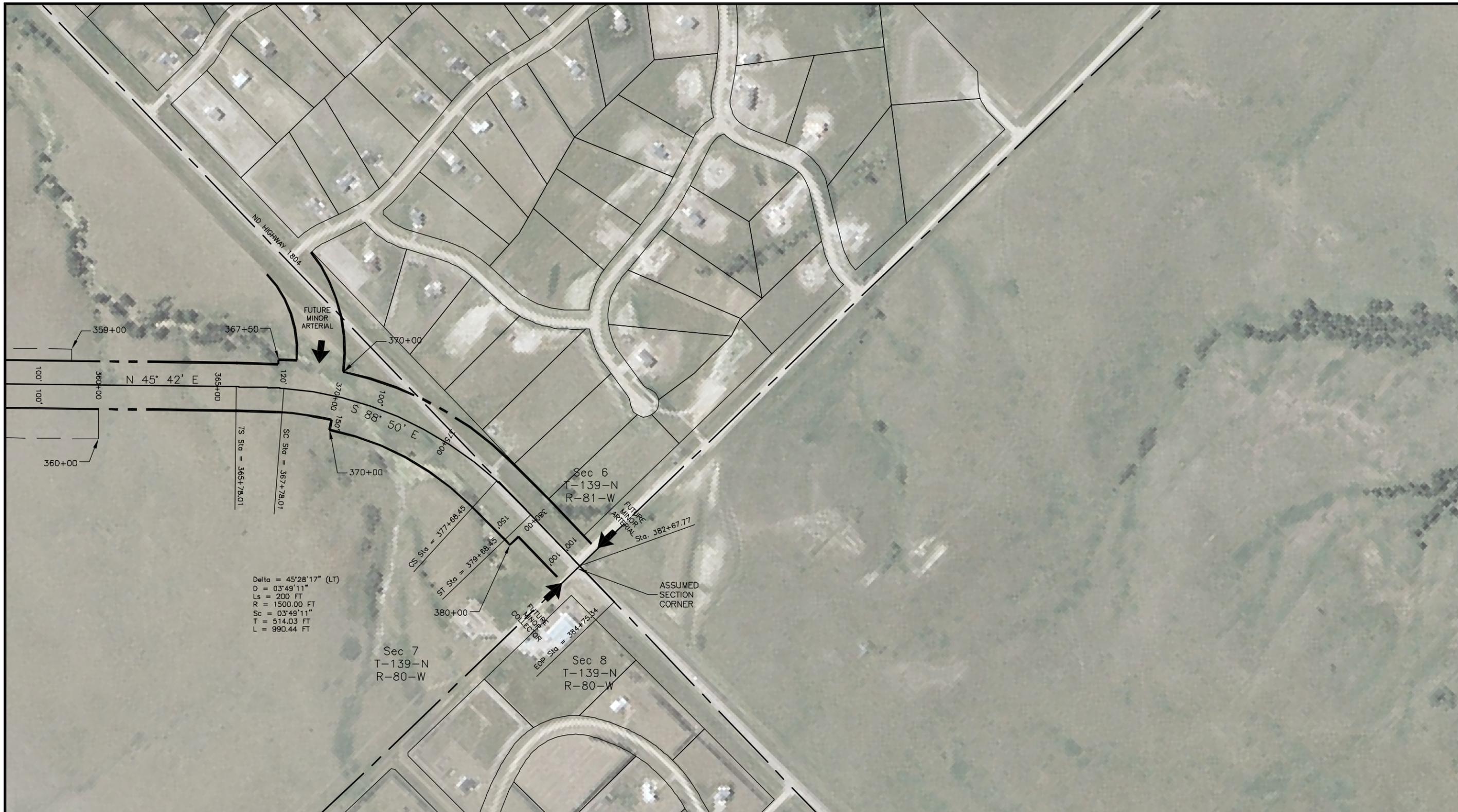
LEGEND

 EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
 FUTURE VERTICAL PROFILE
 EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400 Hor, 1:40 Ver
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			21
Burleigh & Morton Counties			
 Kadrmass Lee & Jackson <small>Engineers, Surveyors and Planners</small>		CORRIDOR PRESERVATION PROFILE	
DRWN. BY	CHK'D BY	PROJECT NO.	DATE
AD/LN	RJS	1003001	02/03/2005
J:\trane\1003001\cadd\1003001Profile.dwg			()
© Kadrmass, Lee & Jackson 2005			



Delta = 45°28'17" (LT)
 D = 03°49'11"
 Ls = 200 FT
 R = 1500.00 FT
 Sc = 03°49'11"
 T = 514.03 FT
 L = 990.44 FT

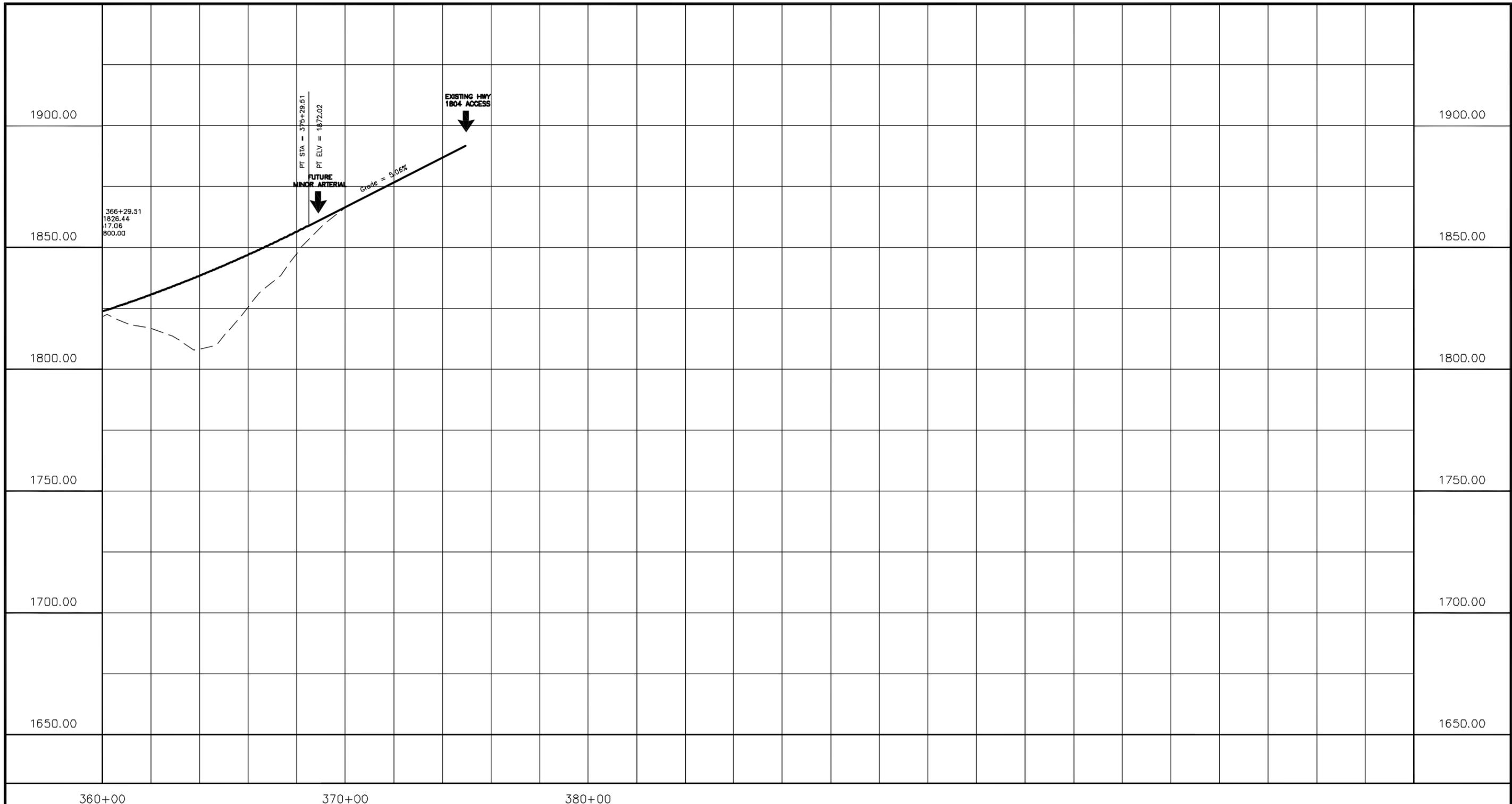
LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE RIGHT OF WAY BOUNDARY
	EXISTING RIGHT OF WAY BOUNDARY
	SLOPE EASEMENT
	SECTION LINE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadmas, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.



NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd.	00/00/0000	Scale:	1:400
NORTHERN BRIDGE CORRIDOR			SHEET NO.
Bismarck-Mandan MPO			22
Burleigh & Morton Counties			
 Engineers, Surveyors and Planners		CORRIDOR PRESERVATION PLAN VIEW	
DRAWN BY	CHK'D BY	PROJECT NO.	DATE
DMS/LN	RJS	1003001	02/03/2005
J:\trane\1003001\cadd\1003001Plat.dwg			()
© Kadmas, Lee & Jackson 2005			



LEGEND	
	EXISTING ACCESS OR FUTURE FRINGE AREA ROAD MASTER PLAN INTERSECTION
	FUTURE VERTICAL PROFILE
	EXISTING VERTICAL PROFILE

This document originally issued and sealed by Robert J. Shannon, PE #3258 on March 31, 2005. The original documents are stored at Kadrmass, Lee & Jackson, Inc. at 128 Soo Line Drive, Bismarck, ND 58501.

NOTE: INFORMATION SHOWN IS BASED ON GIS DATA PROVIDED BY THE LOCAL JURISDICTIONS. FIELD SURVEYS WERE NOT USED TO PREPARE THESE DRAWINGS. FUTURE INTERSECTION LOCATIONS ARE APPROXIMATE. ALIGNMENTS OF FUTURE INTERSECTING ROADWAYS ARE SUBJECT TO CHANGE PER JURISDICTION APPROVAL.

Rev'd. 00/00/0000	Scale: 1:400 Hor, 1:40 Ver	SHEET NO.
NORTHERN BRIDGE CORRIDOR		23
Bismarck-Mandan MPO Burleigh & Morton Counties		
		CORRIDOR PRESERVATION PROFILE
DRAWN BY AD/LN	CHK'D BY RJS	PROJECT NO. 1003001
		DATE 02/03/2005
J:\trane\1003001\cadd\1003001Profile.dwg ()		
© Kadrmass, Lee & Jackson 2005		