DocuSign Envelope ID: 022DF44F-990E-4E33-9701-6AD0B45B05E3

DESIGN DATA				
Traffic	Average Daily			
Current 2022	Pass: 3730	Trucks: 1615	Total: 5345	(WB Rdwy) RP 261.000 to RP 288.375
Forecast 2042	Pass: 4815	Trucks: 2180	Total: 6995	(WB Rdwy) RP 261.000 to RP 288.375
Current 2022	Pass: 3475	Trucks: 1565	Total: 5040	(EB Rdwy) RP 261.000 to RP 288.375
Forecast 2042	Pass: 4485	Trucks: 2115	Total: 6600	(EB Rdwy) RP 261.000 to RP 288.375
Clear Zone Distance: 34 Feet				

STATE	PROJECT NO.	PCN	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	23521	1	1

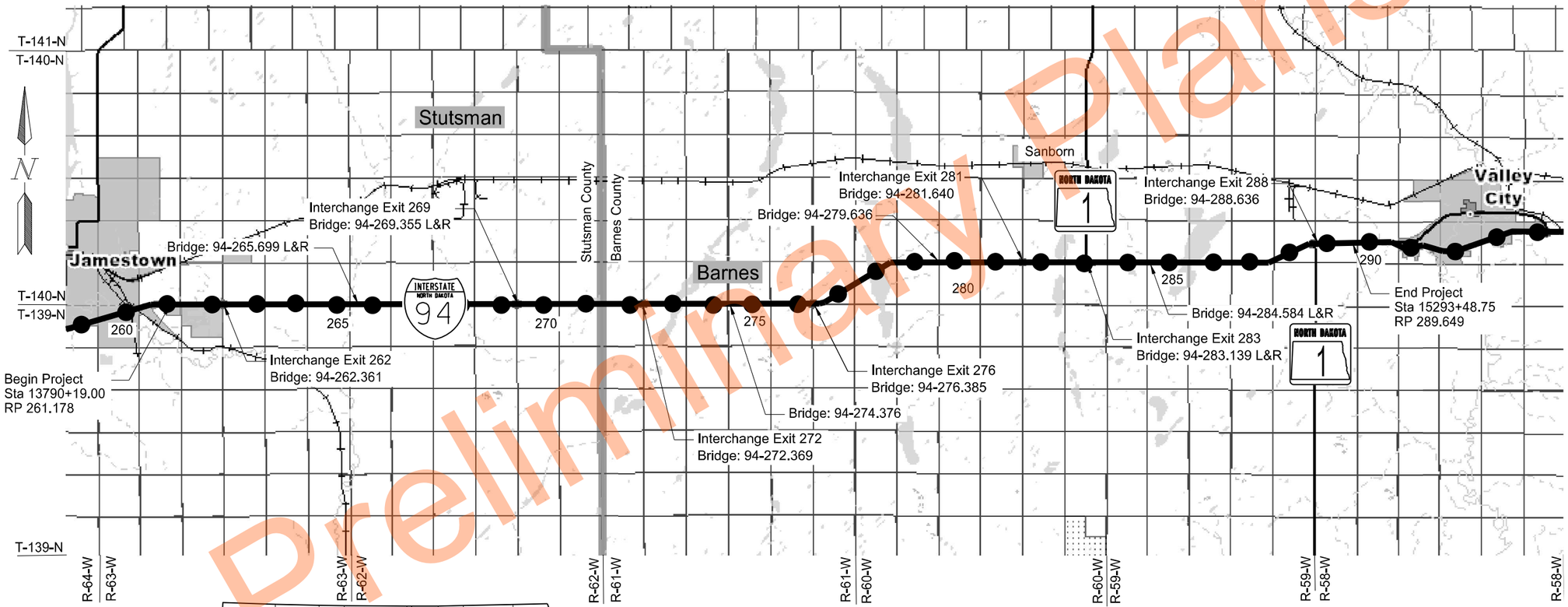
NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

HEN-2-094(191)261

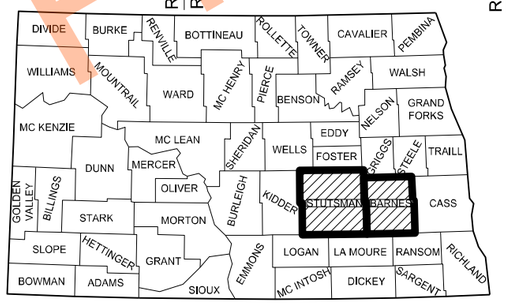
Stutsman and Barnes Counties
E of Exit 260 to W of Oakes
RP 261.178 to RP 289.649
High Tension Median Cable Guardrail
Foreslope Flattening & Incidentals

GOVERNING SPECIFICATIONS	Date Published and Adopted by the North Dakota Department of Transportation
Standard Specifications	4/1/2023
Supplemental Specifications	NONE

PROJECT NUMBER \ DESCRIPTION	NET MILES	GROSS MILES
HEN-2-094(191)261	28.471	28.471



Preliminary Plans



STATE COUNTY MAP

DESIGNER
Thomas Fakler, PE Mary Boechler, PE
DESIGNER
Laeken Carey, PE Nikki Olson, PE
DESIGNER
Sawyer Kenney, EIT Sam Boulton, EIT

ND DEPARTMENT OF TRANSPORTATION
for OFFICE OF PROJECT DEVELOPMENT
Kirk Hoff
kirk Hoff 12/05/23

Ulteig Engineers, Inc.

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 12/05/2023
NORTH DAKOTA
Thomas John Fakler
12/05/23

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	2	1

TABLE OF CONTENTS

PLAN SECTIONS

Section	Page(s)	Description
1	1	Title Sheet
2	1	Table of Contents
4	1 - 6	Scope of Work
6	1	Notes
6	2	Environmental Notes
8	1	Quantities
10	1	Basis of Estimate
11	1	Data Tables
20	1 - 9	General Details
30	1 - 8	Typical Sections
40	1 - 6	Removals
51	1	Allowable Pipe List
60	1 - 5	Plan & Profile
75	1 - 33	Wetland Impacts
76	1 - 53	Temporary Erosion Control
77	1 - 53	Permanent Erosion Control
81	1 - 2	Survey Coordinate and Curve Data
100	1	Work Zone Traffic Control
110	1 - 5	Signing
130	1 - 189	Guardrail
200	1 - 303	Cross Sections

SPECIAL PROVISIONS

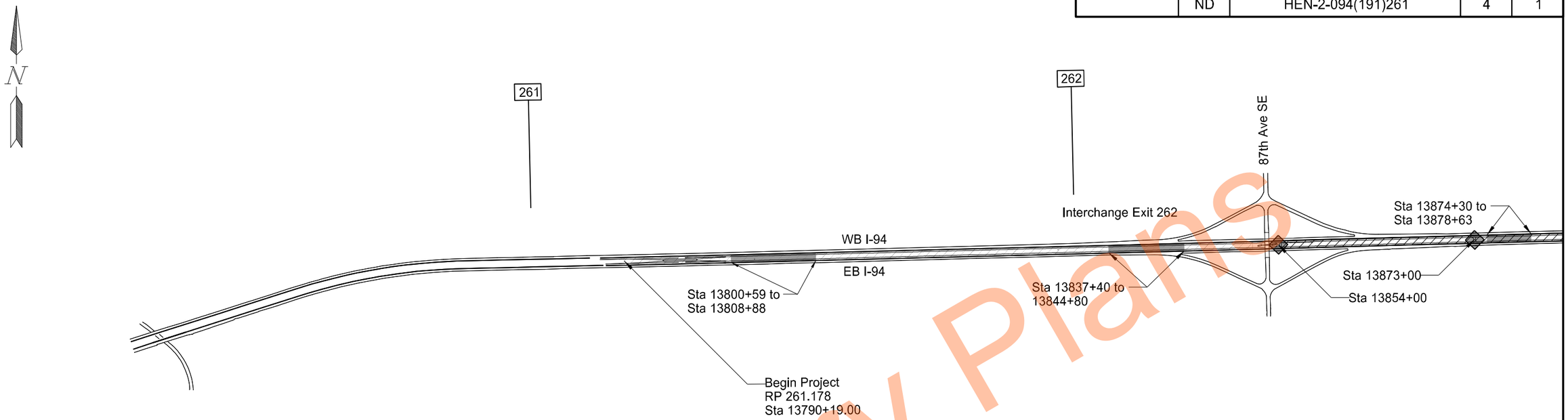
Number	Description
SP 232(23)	Drilled Shaft Foundations
SP 1(23)	High Tension Cable Guardrail
SSP 1	Temporary Erosion and Sediment Best Management Practices
SP 318(23)	Utility Coordination
PSP 1	Permits and Environmental Considerations

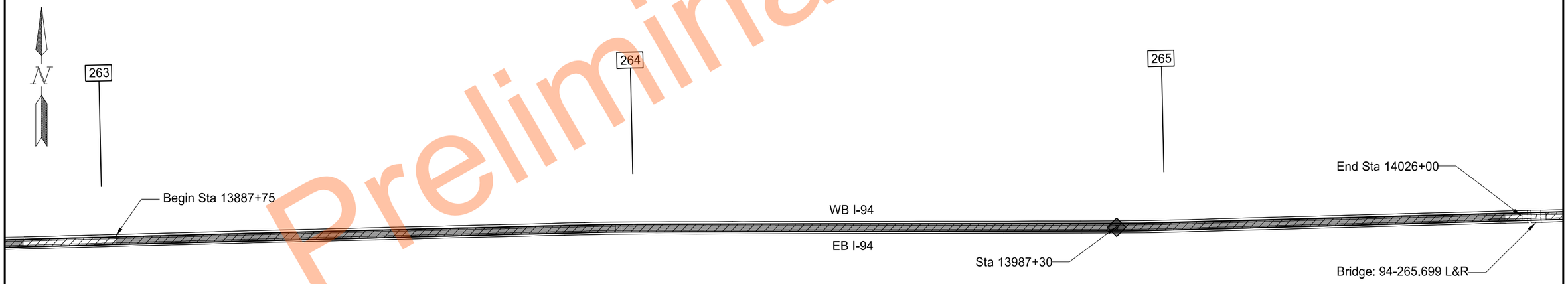
LIST OF STANDARD DRAWINGS

Number	Description
D-101-1, 2,3,4	NDDOT Abbreviations
D-101-10	NDDOT Utility Company and Organization Abbreviations
D-101-20, 21	Line Styles
D-101-30, 31,32,33	Symbols
D-101-40	Cross Section Legend
D-704-7	Breakaway Systems For Construction Zone Signs - Perforated Tube
D-704-8	Breakaway Systems For Construction Zone Signs - U-Channel Post
D-704-9	Construction Sign Details - Terminal And Guide Signs
D-704-10	Construction Sign Details - Regulatory Signs
D-704-11	Construction Sign Details - Warning Signs
D-704-12	Shoulder Closure Tapers
D-704-13	Barricade And Channelizing Device Details
D-704-14	Construction Sign Punching And Mounting Details
D-704-24	Shoulder Closures And Bridge Painting Layouts
D-704-35	Sign Layout For One Lane Closure - Interstate System
D-708-6	Erosion And Siltation Controls - Median Or Ditch Inlet Protection
D-714-1	Reinforced Concrete Pipe Culverts And End Sections (Round Pipe)
D-714-18	Precast Concrete Headwall Details
D-722-1A	Inlet - Catch Basin
D-722-5	Manhole Details
D-722-7	Precast Concrete Median Drain
D-754-1	Pipe Or W-Shape Assembly Details
D-754-2	Breakaway Coupler System For Standard Pipe - Stub Post
D-754-3	Breakaway System for Standard Pipe - Stub Post
D-754-5	Foundation Data For Steel Supports
D-754-6	Hinge Plate, Fuse Plate, And Foundation Details For Standard Pipe
D-754-7	Pipe Support And Sign Mounting Details
D-754-21	Reflectorized Delineators - Divided Highway
D-754-23	Perforated Tube Assembly Details
D-754-24, 25	Mounting Details Perforated Tube
D-754-24A	Breakaway Coupler System For Perforated Tubes
D-754-32, 39	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D-754-85G	Pulley Winch Sign Cover For Warning Signs

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	4	1





Cable Median Barrier

Foreslope Flattening

Remove Aggregate Base

*Not drawn to scale

Scope Of Work

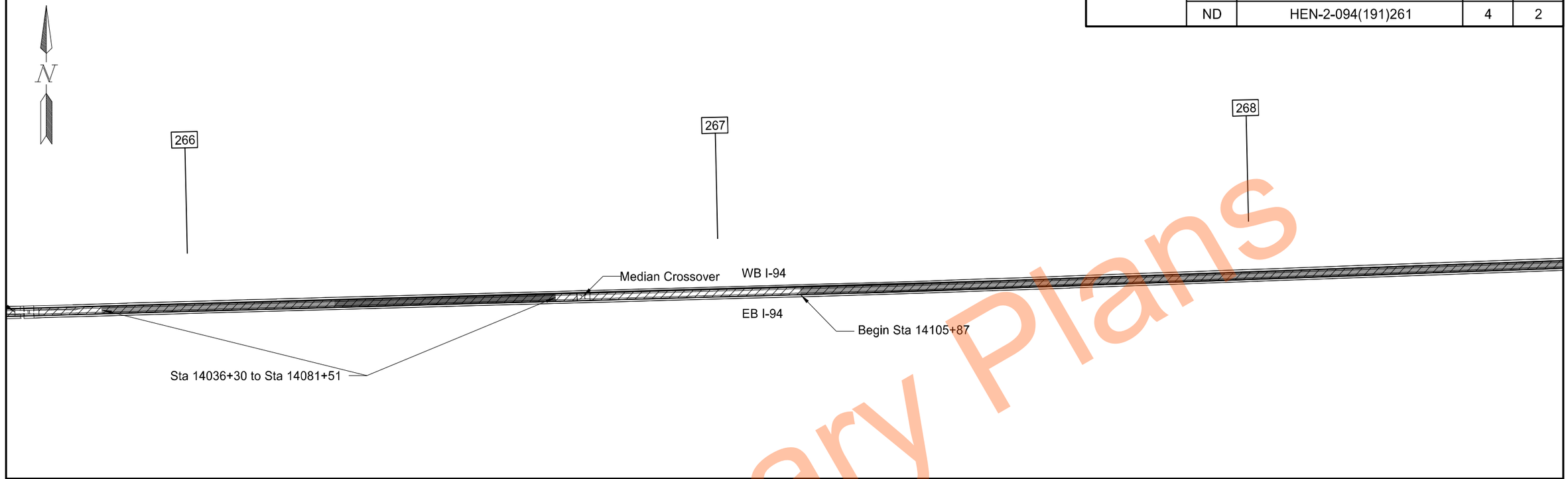
High Tension Median Cable Guardrail

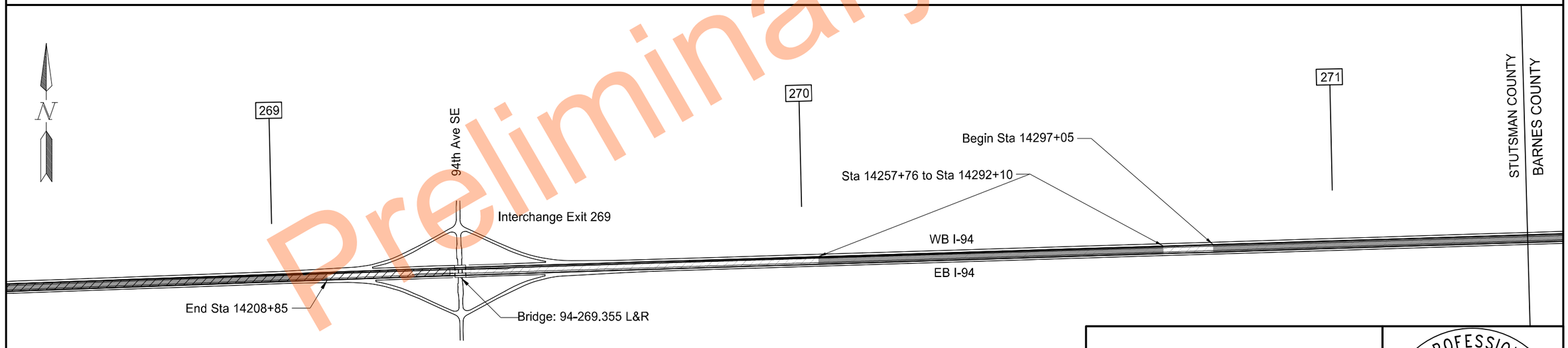
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	4	2





*Not drawn to scale

Scope Of Work

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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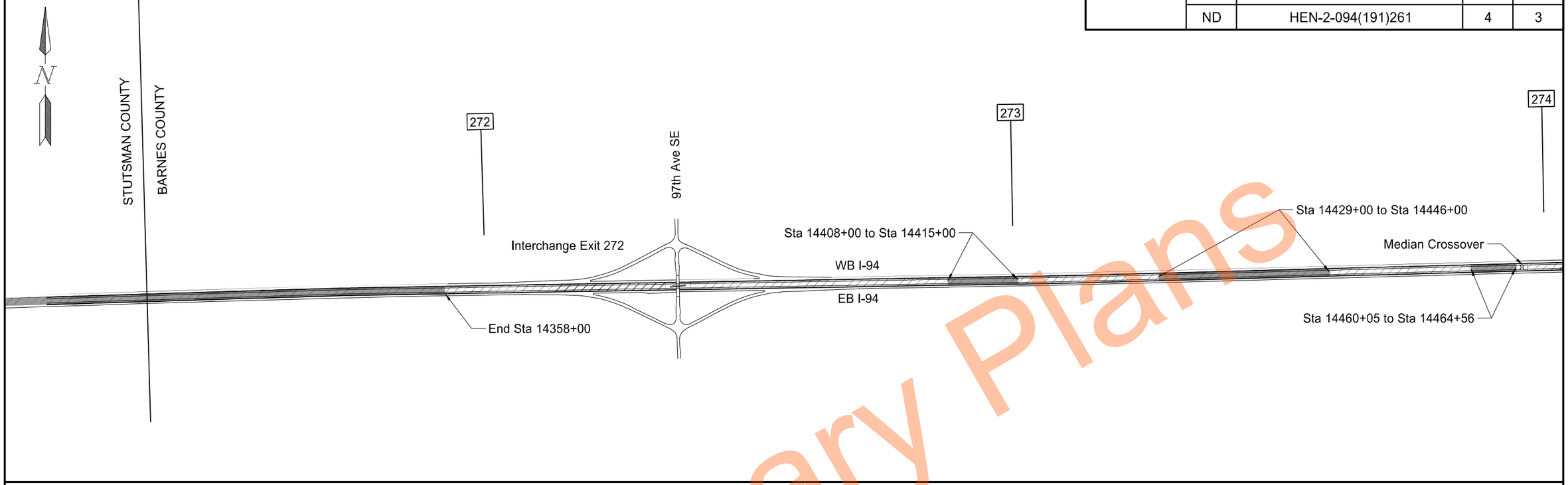
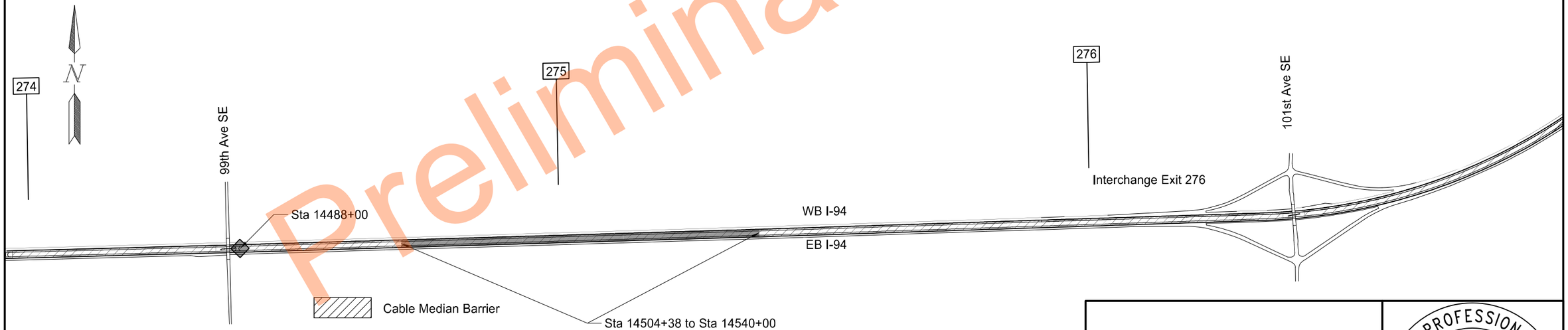
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	4	3





*Not drawn to scale

Scope Of Work

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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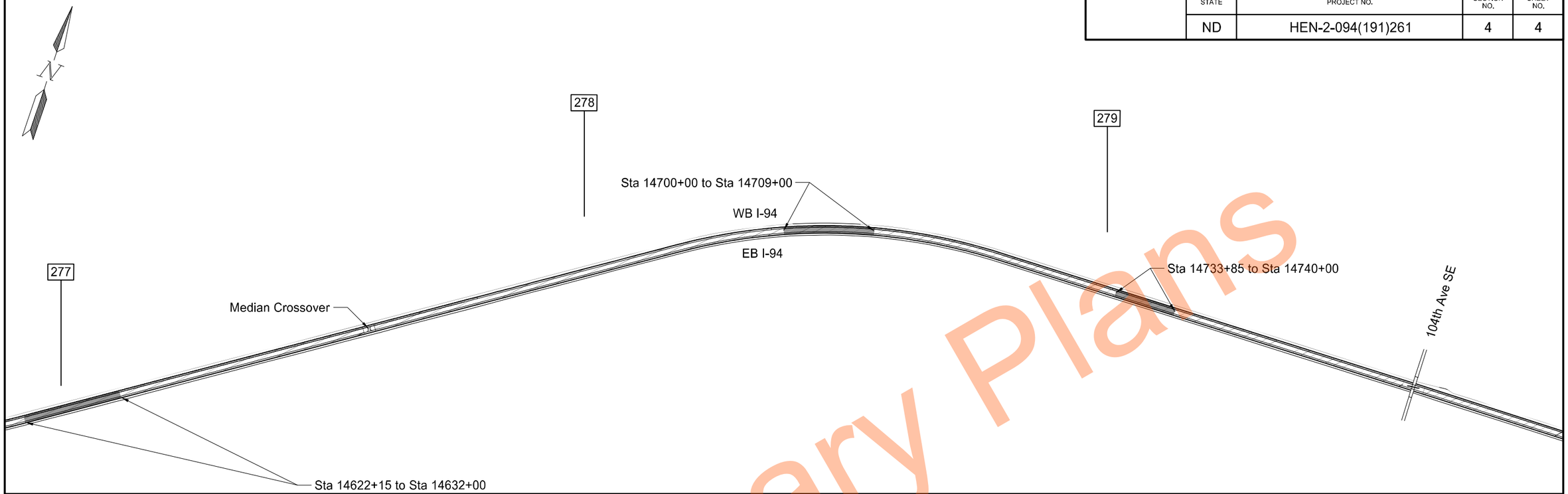
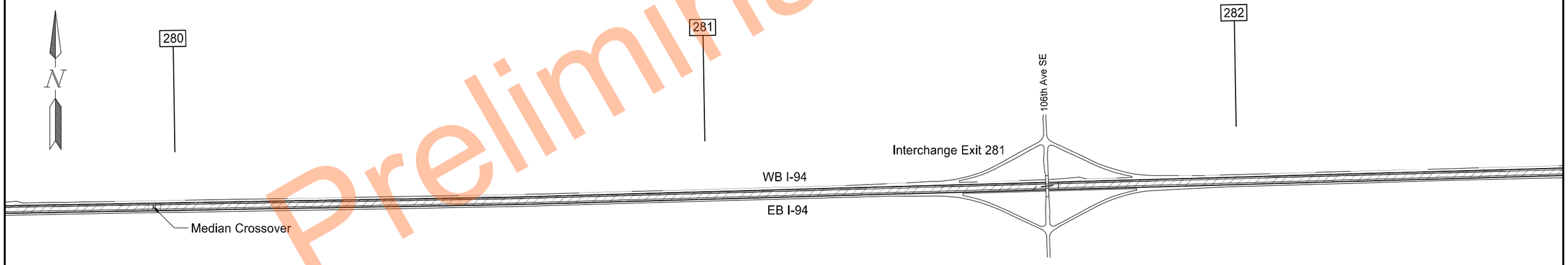
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	4	4





Cable Median Barrier

Foreslope Flattening

*Not drawn to scale

Scope Of Work

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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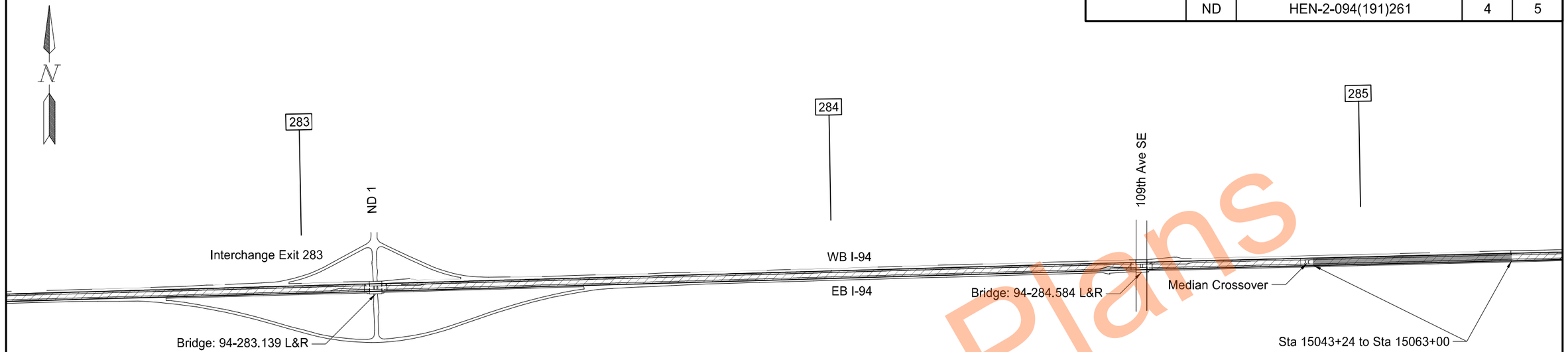
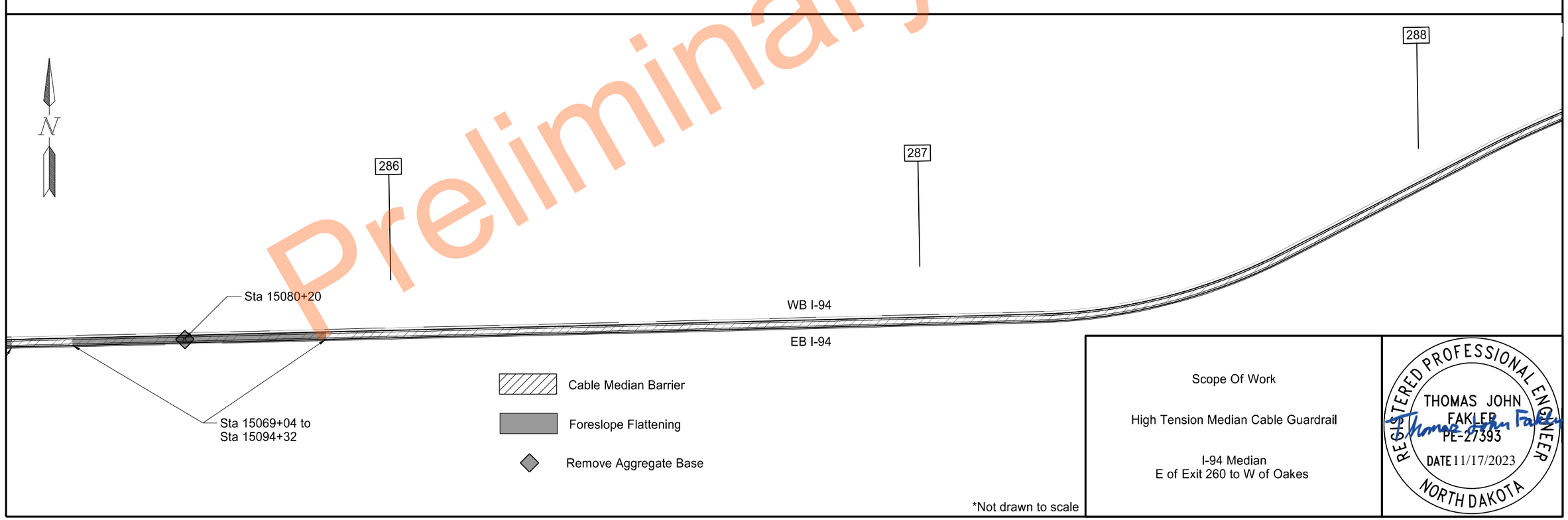
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	4	5





*Not drawn to scale

Scope Of Work

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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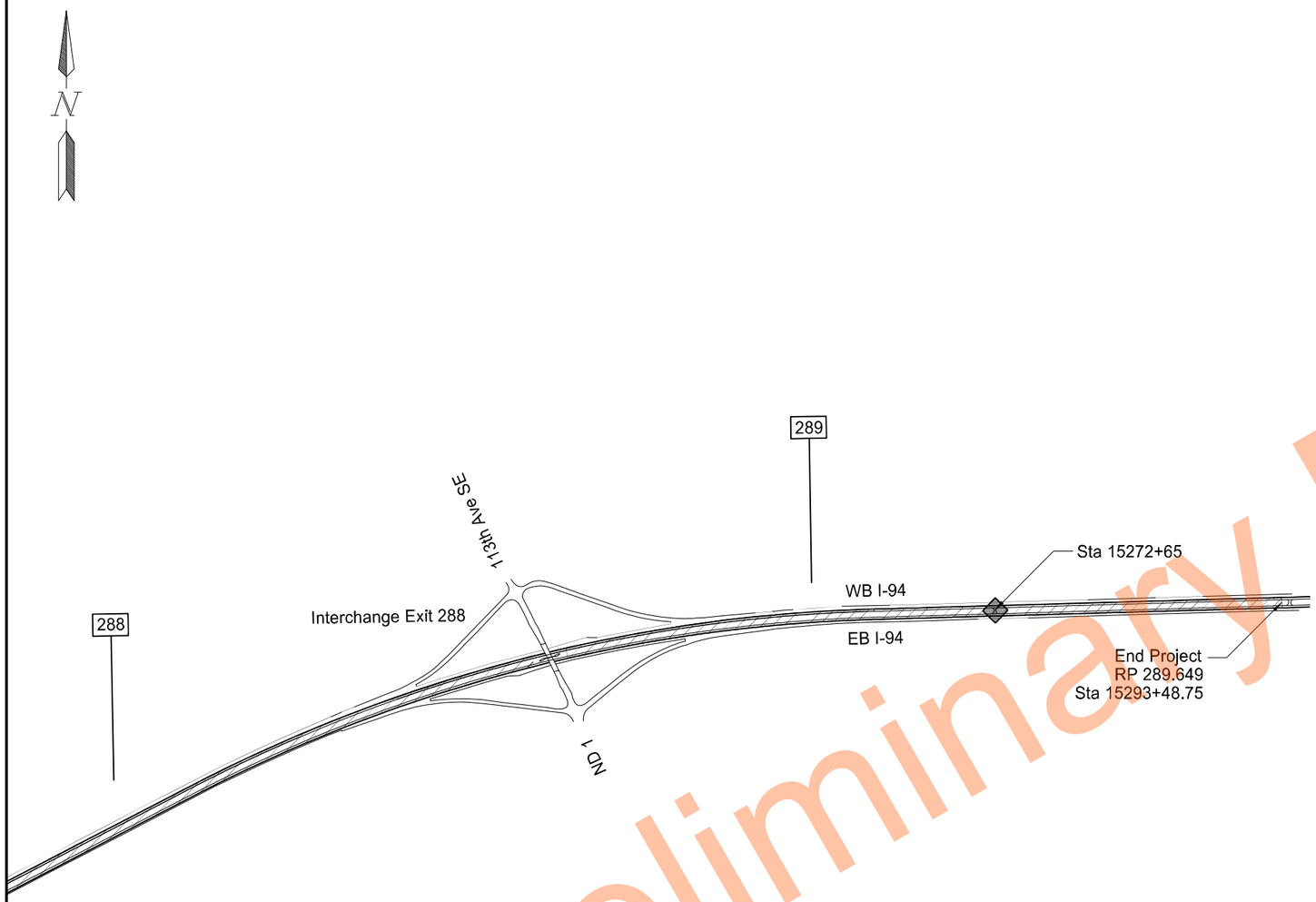

Preliminary Plans

Cable Median Barrier

Foreslope Flattening

Remove Aggregate Base

*Not drawn to scale

Scope Of Work

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	6	1

NOTES

GENERAL NOTES

100-P01 COORDINATION OF PROJECTS: Other construction projects will be under contract and taking place within the highway right of way which may be in the vicinity of this project. Coordinate all activities, schedules, and traffic control with all other contractors working within the highway right of way.

105-P01 UTILITIES: No utility relocations or adjustments planned on project. Protect all existing utilities on project and maintain existing location.

105-P02 MEDIAN MOWING: NDDOT District forces will mow the median within the project limits one time during construction. Provide the Engineer two weeks' notice for the mowing.

203-P01 EMBANKMENT: Flatten the median foreslopes as shown in the Section 200 Cross Sections. Use Compaction Control, Type C for the embankment material used for the median foreslope flattening.

Include the cost for labor, equipment, and materials to flatten the median foreslopes in the contract unit price for “Topsoil - Imported”, “Common Excavation – Type C”, and “Topsoil”.

203-P02 COMMON EXCAVATION - TYPE C: If the Engineer and Contractor agree, plan quantity will be used as the measurement for payment for "Common Excavation - Type C."

203-P03 TOPSOIL – IMPORTED: Include all cost for removal of Aggregate Base, shown in section 40, in the unit price bid for “Topsoil - Imported.” Refer to Section 20 Sheet 9 for ditch block details.

253-P01 MULCHING: Drill seed before applying the hydraulic mulch. Section 253.04 B.2 “Temporary Care Maintenance” will not be required.

714-P01 RELAY HEADWALLS: There are approximately six existing precast concrete headwalls located at the end of outlet pipes throughout the foreslope flattening areas. Relay the existing headwalls if they interfere with the proposed work. Include all costs for labor, pipe extensions, and equipment to relay the existing headwalls in the unit price bid for “RELAY HEADWALL.”

SECTION 60

722-P01 ADJUST INLET: Inlet at Station 14321+31 was underwater when the survey was completed. Existing elevation may vary. Engineer to determine number of adjusting rings in the field. If this location needs to be dewatered, include the price in the amount bid for “Adjust Inlet.”

SECTION 100

704-P01 HIGH TENSION CABLE BARRIER TRAFFIC CONTROL: Provide traffic control according to the following layouts on the Standard Drawings:

D-704-24 Type HH: For use on left shoulder on the opposite side of median where guardrail work is being performed, and for use on left shoulder adjacent to work area where no guardrail work is being performed the following day. Use tubular markers in place of portable barriers.

D-704-35, Left Lane Closed: For use on lane adjacent to work area when guardrail work is being performed.

Lane closure and shoulder closure traffic control device quantities are limited to an 17,500 foot work zone.

Change left lane closure to shoulder closure at the end of the workday if no guardrail work is scheduled for the following day.

704-P02 TRAFFIC CONTROL FOR MEDIAN EARTH WORK: Provide traffic control according to the following layouts on the Standard Drawings:

D-704-24 Type HH: For use on left shoulders where no earth work is being performed the following day. Use tubular markers in place of portable barriers.

D-704-35, Left Lane Closed: For use on lanes adjacent to the work area when earth work is being performed in the median.

Lane closure and shoulder closure traffic control device quantities are limited to one day's production. For estimating purposes, the traffic control device list is based on 0.5-mile closure in each direction, for a total of 1 mile.

Change left lane closures to shoulder closures at the end of the workday if no median work is scheduled for the following day.

SECTION 130

764-P01 ADDITIONAL DAMAGE: If additional damage is incurred to topsoil, seed and mulch at the contractor’s expense.

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	6	2

ENVIRONMENTAL NOTES

ENVIRONMENTAL NOTES (EN): The North Dakota Department of Transportation and the Federal Highway Administration have made environmental commitments to secure approval of this project. The following environmental notes are requirements to comply with these commitments:

EN-1 TEMPORARY WETLAND IMPACT: Temporary impact areas within wetlands and or other waters are incorporated into the plans for this project. Remove temporary fill placed and sedimentation in wetlands or other waters. Restore these wetlands to preconstruction contours.

Preliminary Plans

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	8	1

Estimated Quantities

SPEC	CODE	ITEM DESCRIPTION	UNIT	Mainline:				TOTAL
103	0100	CONTRACT BOND	L SUM	1				1
202	0230	REMOVAL OF INLETS	EA	1				1
203	0103	COMMON EXCAVATION-TYPE C	CY	160				160
203	0109	TOPSOIL	CY	204				204
203	0119	TOPSOIL-IMPORTED	CY	16165				16165
251	0200	SEEDING CLASS II	ACRE	40.48				40.48
251	2000	TEMPORARY COVER CROP	ACRE	40.48				40.48
253	0201	HYDRAULIC MULCH	ACRE	80.96				80.96
255	0102	ECB TYPE 2	SY	22				22
261	0112	FIBER ROLLS 12IN	LF	1100				1100
261	0113	REMOVE FIBER ROLLS 12IN	LF	580				580
702	0100	MOBILIZATION	L SUM	1				1
704	0100	FLAGGING	MHR	200				200
704	1000	TRAFFIC CONTROL SIGNS	UNIT	3444				3444
704	1052	TYPE III BARRICADE	EA	27				27
704	1060	DELINEATOR DRUMS	EA	58				58
704	1067	TUBULAR MARKERS	EA	987				987
704	1087	SEQUENCING ARROW PANEL-TYPE C	EA	3				3
714	0615	PIPE CONC REINF 24IN CL III	LF	6				6
714	3160	RELAY HEADWALL	EA	6				6
714	9660	REMOVE & RELAY END SECTION-ALL TYPE & SIZES	EA	1				1
722	4565	MEDIAN DRAIN PRECAST CONCRETE-TYPE A	EA	1				1
722	6160	ADJUST INLET	EA	4				4
754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	29				29
754	0166	DELINEATORS-TYPE E	EA	4				4
754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	61				61
754	0210	GALV STEEL POST-STANDARD PIPE	LF	14				14
754	0592	RESET SIGN PANEL	EA	1				1
754	1100	CLASS AE CONCRETE-SIGN FOUNDATIONS	CY	0.3				0.3
764	0100	HIGH TENSION CABLE GUARDRAIL	LF	145810				145810
764	0105	HIGH TENSION CABLE ANCHOR ASSEMBLY	EA	46				46

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	10	1

Segment	Station		High Tension Cable Guardrail*			High Tension Cable Anchor Assembly			Remarks
			SPEC	CODE	UNIT	SPEC	CODE	UNIT	
	From	To	764	0100	LF	765	0105	EA	
A	13790+57.0	13800+67.0	1010.2			2			Lt Mdn to Rt Mdn
B	13800+97.0	13851+09.0	5012.7			2			Lt Mdn
C	13854+64.0	14027+70.0	17306.6			2			Lt Mdn
D	14030+42.0	14083+25.0	5283.5			2			Rt Mdn
E	14085+25.0	14220+68.0	13542.9			2			Lt Mdn
F	14223+51.0	14275+91.0	5240.1			2			Rt Mdn
G	14276+38.0	14379+56.0	10318.3			2			Lt Mdn
H	14382+81.0	14464+16.0	8134.9			2			Lt Mdn
I	14466+09.0	14485+53.0	1944.0			2			Lt Mdn
J	14488+79.0	14591+73.0	10293.7			2			Lt Mdn
K	14594+65.0	14621+77.0	2716.7			2			Rt Mdn
L	14622+15.0	14656+57.0	3442.6			2			Lt Mdn
M	14658+54.0	14763+43.0	10494.6			2			Lt Mdn
N	14766+37.0	14780+90.0	1453.0			2			Lt Mdn
O	14782+82.0	14869+21.0	8639.9			2			Lt Mdn
P	14872+17.0	14948+35.0	7619.3			2			Lt Mdn
Q	14951+33.0	14972+95.0	2162.0			2			Rt Mdn
R	14973+25.0	15024+71.0	5146.6			2			Lt Mdn
S	15027+54.0	15041+60.0	1406.1			2			Rt Mdn
T	15043+60.0	15164+10.0	12051.3			2			Lt Mdn
U	15163+71.0	15192+00.0	2833.7			2			Rt Mdn
V	15192+30.0	15238+37.0	4610.2			2			Lt Mdn
W	15241+66.0	15293+10.0	5146.9			2			Lt Mdn
Total			145809.7			46			

*High Tension Cable Guardrail quantity is measured along the guardrail, not the alignment.

SPEC	CODE	BID ITEM	QTY	UNIT
714	3160	Relay Headwall		
		13800+90 Lt	1	EA
		13803+45 Lt	1	EA
		13808+44 Lt	1	EA
		13837+64 Lt	1	EA
		13840+28 Lt	1	EA
		13843+05 Lt	1	EA
		Total	6	EA

Basis of Estimate

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	11	1

FORESLOPE FLATTENING QUANTITIES TABLE

LOCATIONS	Topsoil - Imported (Pay Item)	Common Excavation - Type C (Pay Item)	Embankment	Adjusted Embankment	Topsoil (Pay Item)
	CY	CY	CY	CY	CY
Sta 13800+59 to Sta 13808+88 (Left Median Foreslope Flattening)	110				
Sta 13837+40 to Sta 13844+80 (Left Median Foreslope Flattening)	153				
Sta 13853+65 to Sta 13854+32 (Aggregate Surfacing Removal)	15				
Sta 13872+79 to Sta 13873+28 (Aggregate Surfacing Removal)	12				
Sta 13874+30 to Sta 13878+63 (Left Median Foreslope Flattening)	25				
Sta 13887+75 to Sta 14026+00 (Aggregate Surfacing Removal and Left Median Foreslope Flattening)	4,953				
Sta 14036+30 to Sta 14081+51 (Right Median Foreslope Flattening)	1,381				
Sta 14105+87 to Sta 14208+85 (Left Median Forelope Flattening)	3,374				
Sta 14257+76 to Sta 14292+10 (Left and Right Median Foreslope Flattening)	741				
Sta 14297+05 to Sta 14358+00 (Left Median Foreslope Flattening)	2,073				
Sta 14408+00 to Sta 14415+00 (Left Median Foreslope Flattening)	188				
Sta 14429+00 to Sta 14446+00 (Left Median Foreslope Flattening)	226				
Sta 14460+05 to Sta 14464+56 (Left Median Foreslope Flattening)	113				
Sta 14487+78 to Sta 14489+25 (Aggregate Surfacing Removal and Culvert End Grading)	33				
Sta 14504+38 to Sta 14540+00 (Left Median Foreslope Flattening)	884				
Sta 14622+15 to Sta 14632+00 (Left Median Foreslope Flattening)	386				
Sta 14700+00 to Sta 14709+00 (Left and Right Median Foreslope Flattening)*	300	26	21	26	25
Sta 14733+85 to Sta 14740+00 (Left and Right Median Foreslope Flattening)*	206	16	13	16	24
Sta 15043+24 to Sta 15063+00 (Left and Right Median Foreslope Flattening)*	370	118	94	118	155
Sta 15069+04 to Sta 15094+32 (Aggregate Surfacing Removal and Left Median Foreslope Flattening)	612				
Sta 15272+42 to Sta 15272+82 (Aggregate Surfacing Removal)	10				
TOTAL	**16,165**	**160**	**128**	**160**	**204**

Notes: Quantity shown for Topsoil-Imported has been increased by 25%
Notes: See cross sections for limits of foreslope flattening.

*Denotes areas of Common Excavation - Type C. Contractor to strip topsoil (paid for as Topsoil), excavate material as necessary (paid for as Common Excavation - Type C), place excavated material as needed for embankment, replace topsoil, and utilize Topsoil-Imported (paid for as Topsoil-Imported) to complete slope flattening.

Preliminary Plans

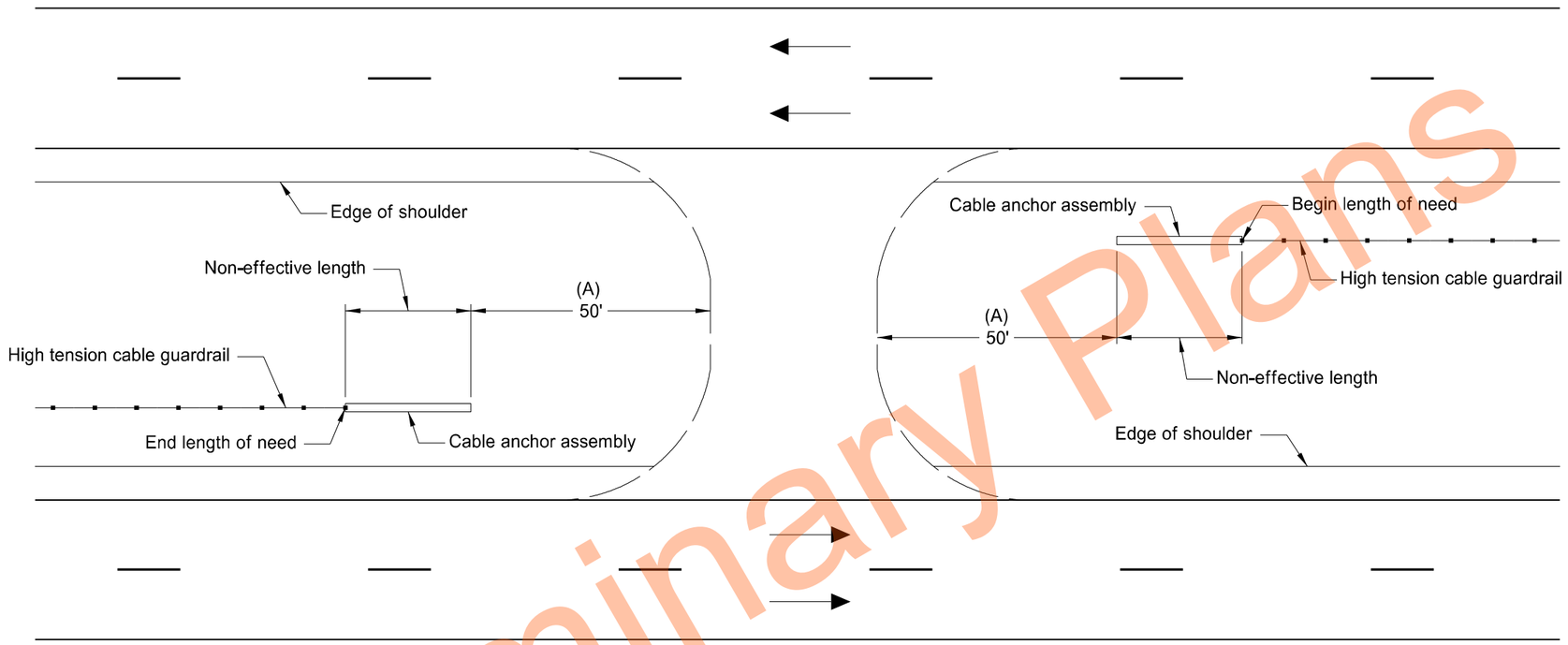
Foreslope Flattening and Topsoil Location Table

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 12/01/2023
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	1



Maintenance Crossover Detail
Sta 14084+24
Sta 14465+19
Sta 14657+61
Sta 14781+88
Sta 15042+63
Sta 15294+04

NOTE:

(A) Adjust cable anchor assembly location to avoid utilities and pipes.

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

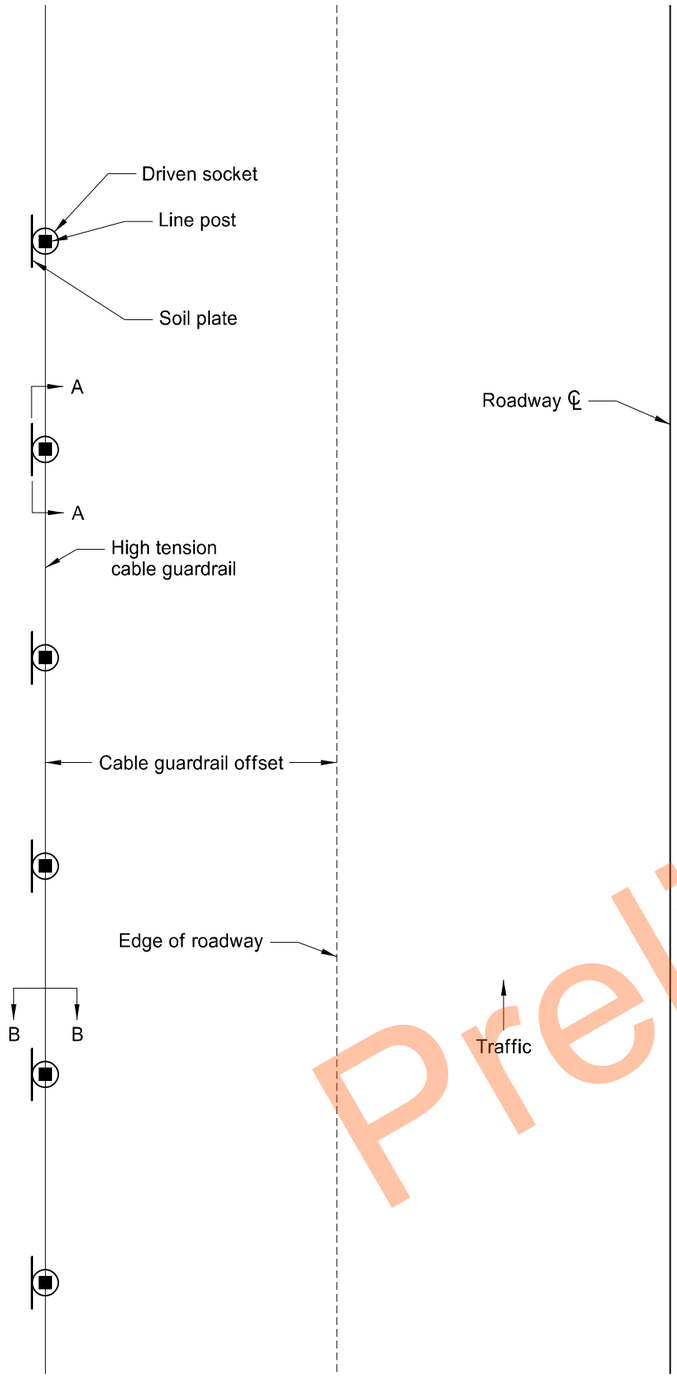
Maintenance Crossover Detail

High Tension Median Cable Guardrail

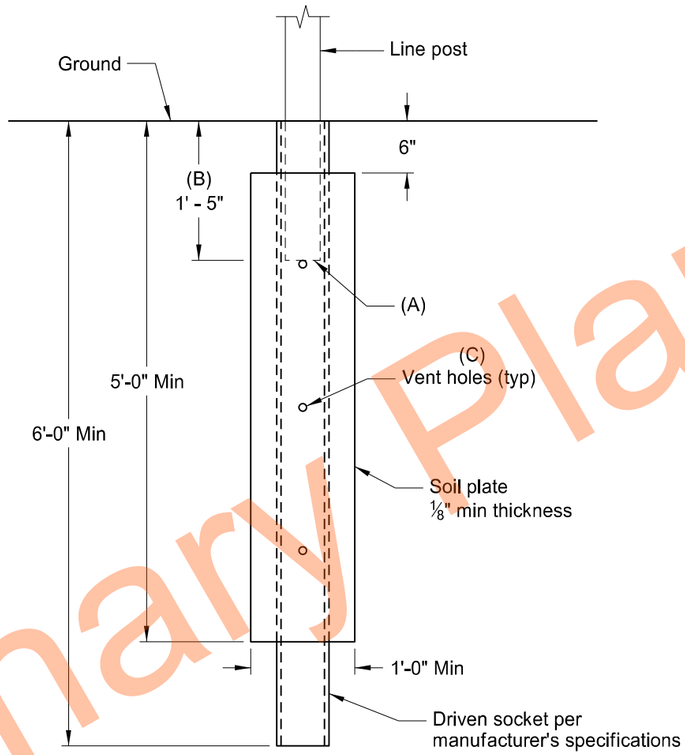
I-94 Median
E of Exit 260 to W of Oakes

Preliminary Plans

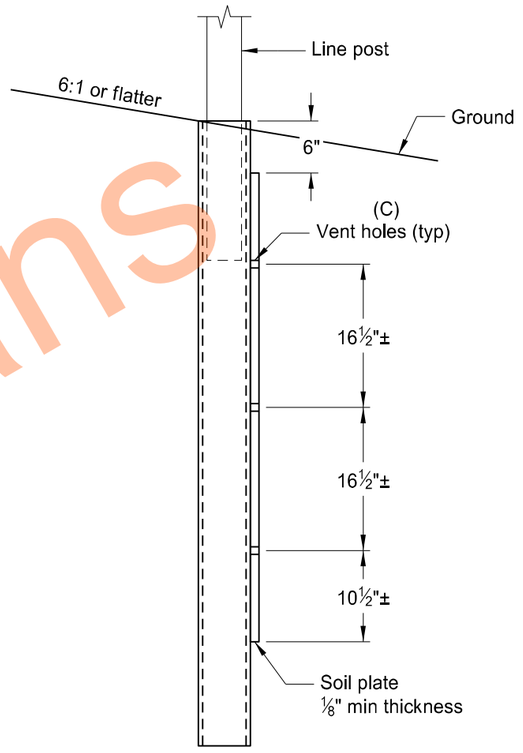
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	2



PLAN VIEW



SECTION A-A



SECTION B-B

Preliminary Plans

DESIGN REQUIREMENTS:

1. Design socket for a maximum deflection of 1" at ground level.
2. Sockets to have a yield strength equal to or greater than that of the crash tested line posts.
3. Design socket for line posts to yield above ground.

NOTES:

(A) Provide post stop per manufacturer's recommendation.

(B) Line post depth as per manufacturer's specifications.

(C) Optional per manufacturer's recommendation.

REGISTERED PROFESSIONAL ENGINEER
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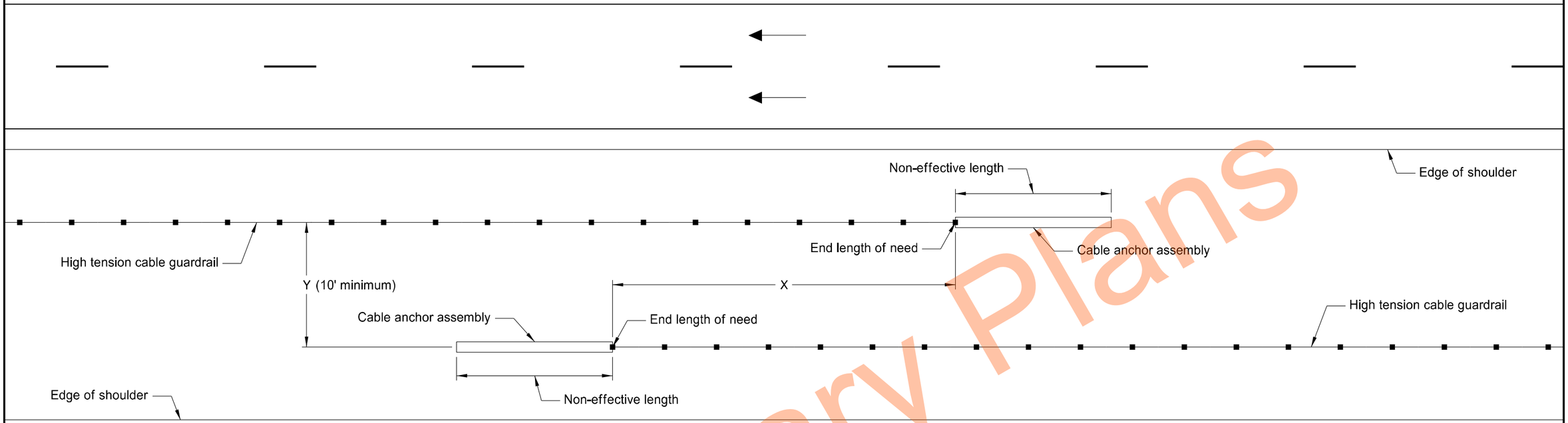
DATE 11/17/2023
NORTH DAKOTA

Steel Driven Socket Detail

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	20	3



Y	X
10'	28'
14'	39'
18'	50'
22'	61'
26'	72'
30'	83'
34'	94'
38'	105'
42'	116'
46'	127'

NOTE: Round the measured Y value up to the nearest whole number to find the appropriate X (overlap) value.

Overlap at Approach Ends of Cable Guardrail Detail

Sta 15163+71 to 15164+10

Preliminary Plans

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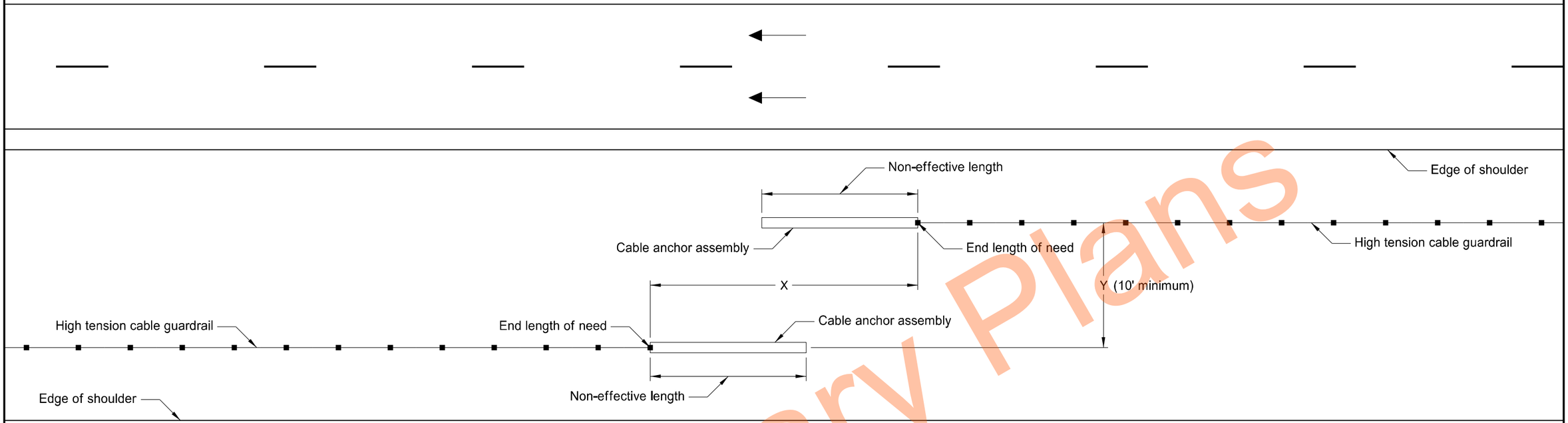
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Overlap at Approach Ends of Cable Guardrail Detail

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	4



Y	X
10'	21'
14'	30'
18'	38'
22'	47'
26'	55'
30'	64'
34'	72'
38'	81'
42'	90'
46'	98'

NOTE: Round the measured Y value up to the nearest whole number to find the appropriate X (overlap) value.

Overlap at Exit Ends of Cable Guardrail Detail

Sta 13790+57 to 13791+04
Sta 13800+67 to 13800+97
Sta 14275+91 to 14276+38
Sta 14621+77 to 14622+15
Sta 14972+95 to 14973+25
Sta 15192+00 to 15192+30
(X and Y distances shown in the table are the minimum required)

Preliminary Plans

REGISTERED PROFESSIONAL ENGINEER
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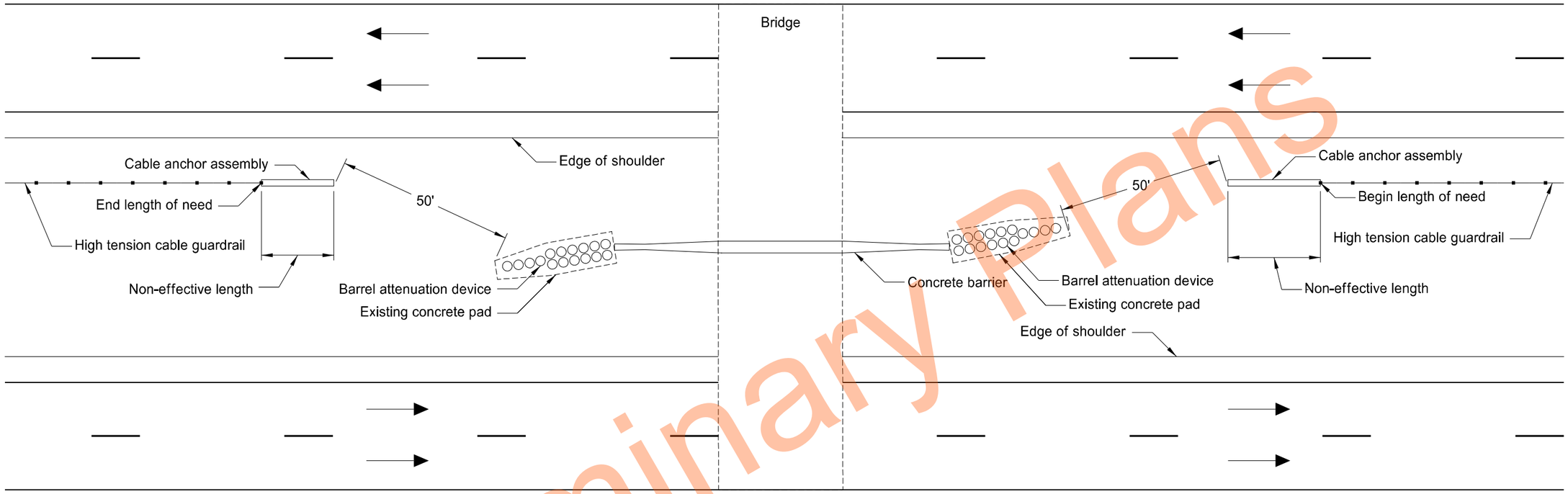
DATE 11/17/2023
NORTH DAKOTA

Overlap at Exit Ends of Cable Guardrail Detail

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	5



Bridge Pier Detail
Sta 13852+86.3
Sta 14381+17.8
Sta 14487+15.9
Sta 14593+18.8
Sta 14764+89.1
Sta 14870+67.5
Sta 15240+00.0

Preliminary Plans

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Thomas John Fakler

Bridge Pier Detail

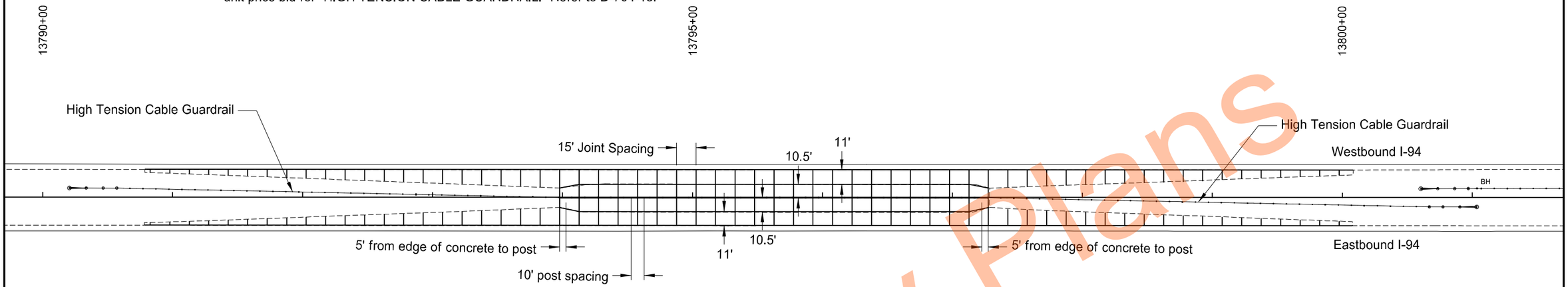
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	6

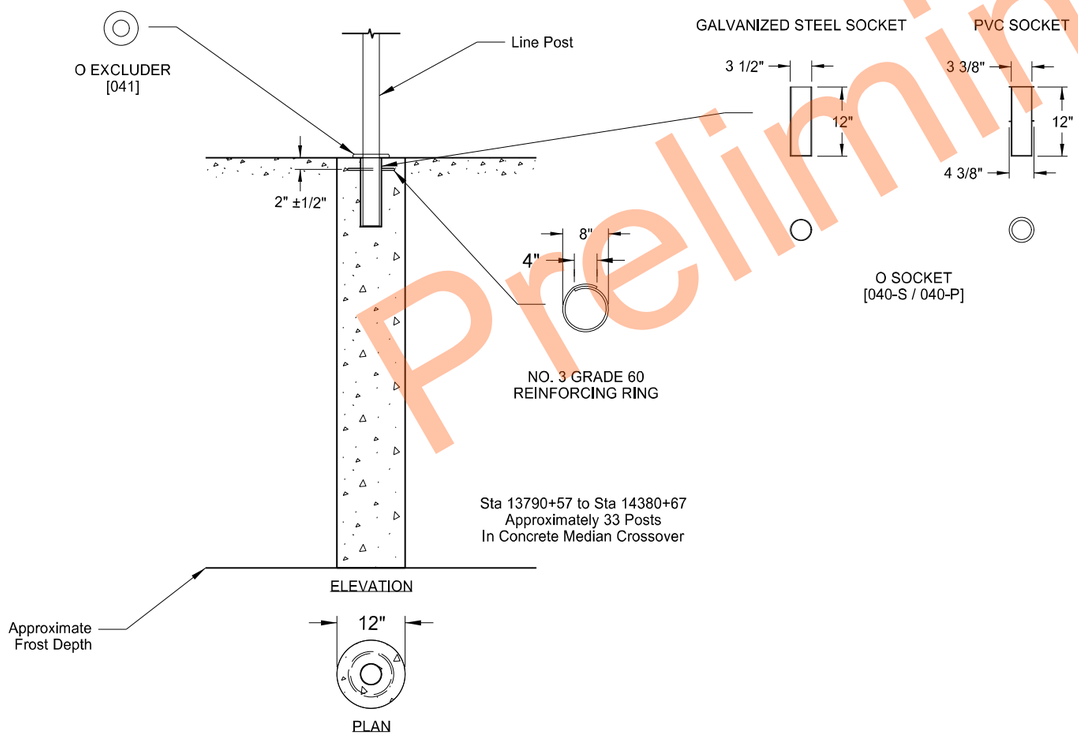
REMOVAL NOTE:

Remove 65 flexible delineators Sta 13793+97.9 to 13797+28.4. Remove anchors and fill installation hole with an epoxy designed to bond to pavement surface. Include all costs for labor and equipment to remove flexible delineators in the unit price bid for "HIGH TENSION CABLE GUARDRAIL." Refer to D-704-13.



PLAN VIEW
High Tension Cable Guardrail Through Concrete Median Crossover
Sta 13790+57 to Sta 13801+08

CONCRETE FOOTING



NOTES:

1. Footing minimum depth based on manufacturer's specifications.
2. Install socket flush with the ground line.
3. Install socket ±2° of vertical plumb.
4. Use PVC or Galvanized steel for socket.
5. Line post depth based on manufacturer's specifications.
6. Include all costs for labor and equipment for concrete footings in the unit price bid for "HIGH TENSION CABLE GUARDRAIL."

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DATE 11/17/2023
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*Drawing not to scale

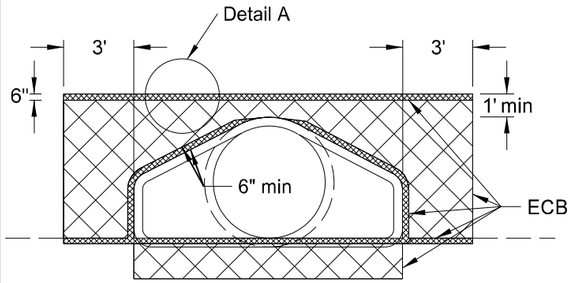
Concrete Median Crossover Detail

High Tension Median Cable Guardrail

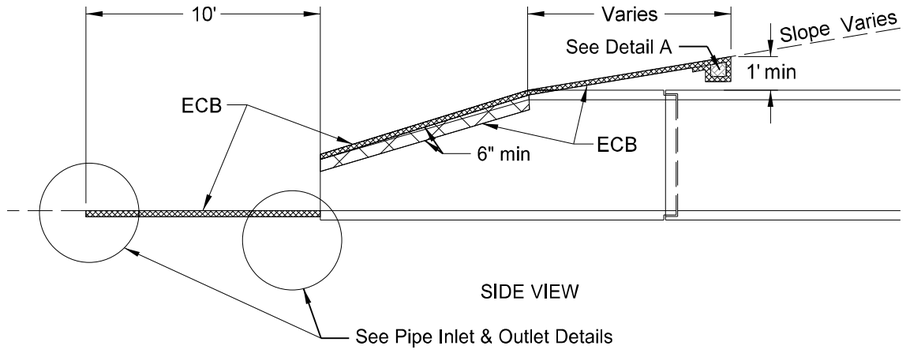
I-94 Median
E of Exit 260 to W of Oakes

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	7

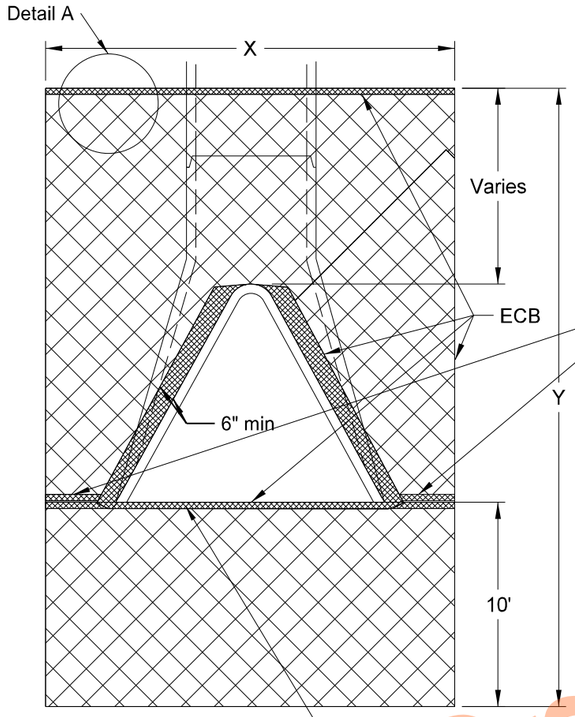


FRONT VIEW



SIDE VIEW

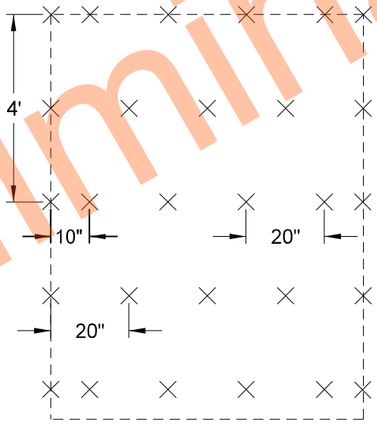
Erosion Control Blanket (ECB)								
Location to be Protected Station	Culvert Type Appr/CL	Pipe Diam (Inch)	No	Unit Quantity (SY)	Total Quantity Type 1 (SY)	Type 2 (SY)	Type 3 (SY)	Type 4 (SY)
14488+84 Lt	CL	24	1	22	00	22	00	00
Total (SYs)					00	22	00	00



TOP VIEW

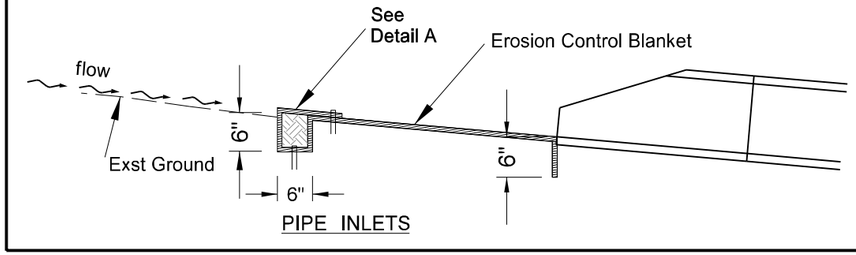
NOTE: Tuck the ECB a minimum of 6" into the embankment (against the flared end section) around the opening of the flared end section.

Erosion Control Blanket

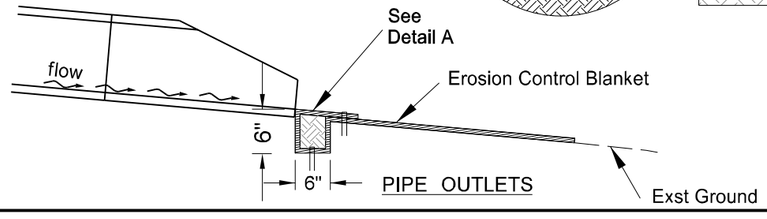


STAPLE PATTERN

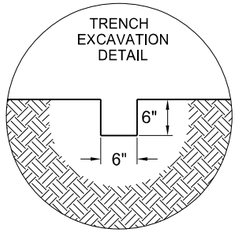
CENTERLINE CULVERTS									
DIA	X	Y	Surface area to be protected	ECB	DIA	X	Y	Surface area to be protected	ECB
In	Ft	Ft	SF	SY	In	Ft	Ft	SF	SY
18	10.5	19.6	193.1	22	18	10.5	17.6	172.1	20
24	10.5	19.6	193.1	22	24	10.5	17.6	172.1	20
27	11.0	20.0	204.3	23	27	11.0	18.0	182.3	21
30	11.6	20.5	218.3	25	30	11.6	18.5	195.1	22
36	12.7	21.2	242.1	27	36	12.7	19.2	216.7	24
42	13.3	21.2	251.8	28	42	13.3	19.2	225.2	25
48	13.8	22.0	265.6	30	48	13.8	20.0	238.0	27
54	14.5	21.5	273.7	31	54	14.5	19.5	244.7	28
60	15.0	21.0	278.3	31	60	15.0	19.0	248.3	28
66	15.6	22.0	295.7	33	66	15.6	20.0	264.5	30
72	16.2	22.5	309.2	35	72	16.2	20.5	276.8	31
Note: Quantities based on 6:1 slope.					Note: Quantities based on 4:1 slope.				

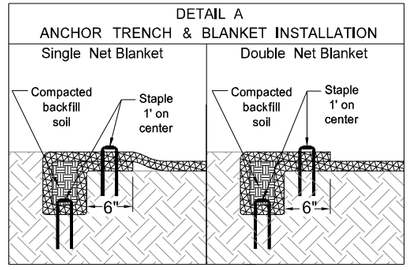


PIPE INLETS



PIPE OUTLETS





REGISTERED PROFESSIONAL ENGINEER
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DATE 11/17/2023
NORTH DAKOTA

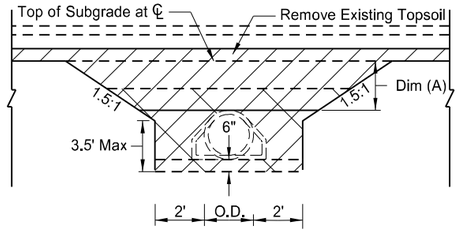
Erosion Control at Culvert Flared End Sections

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

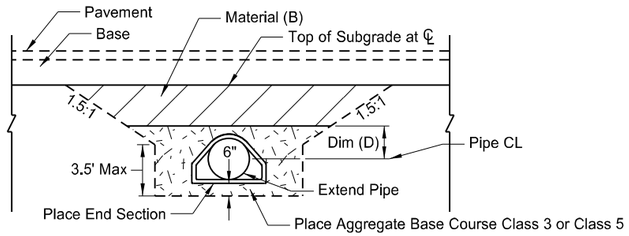
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	8



Removal Detail

Side View



Backfill Detail

Side View (Topsoil not shown)

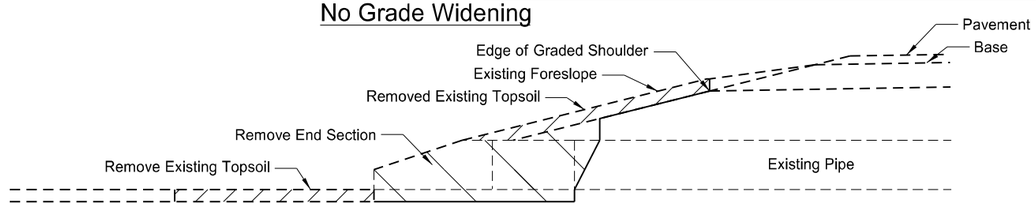
Pipe Materials	Dim (A)<=4 Feet Material (B)	Backfill Dimension Dim (D)
Concrete	Embank or Aggr	0.5 O.D.

Pipe Materials	Dim (A)>4 Feet Material (B)	Backfill Dimension Dim (D)
Concrete	Embankment	0.5 O.D.

NOTES:
1. Embankment may be either Borrow Excavation or Common Excavation.

2. Aggregate may be either Class 3 or Class 5 Aggregate Base Course.

No Grade Widening

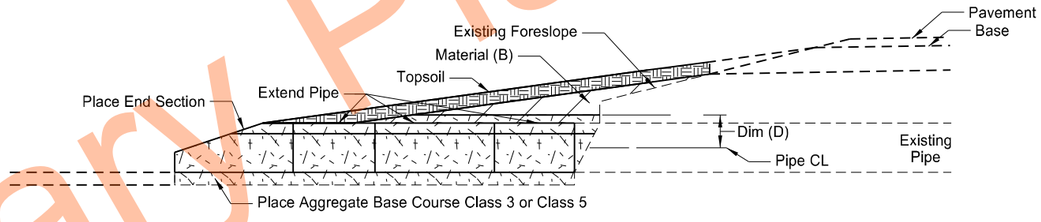


Removal Section

Cross Section View

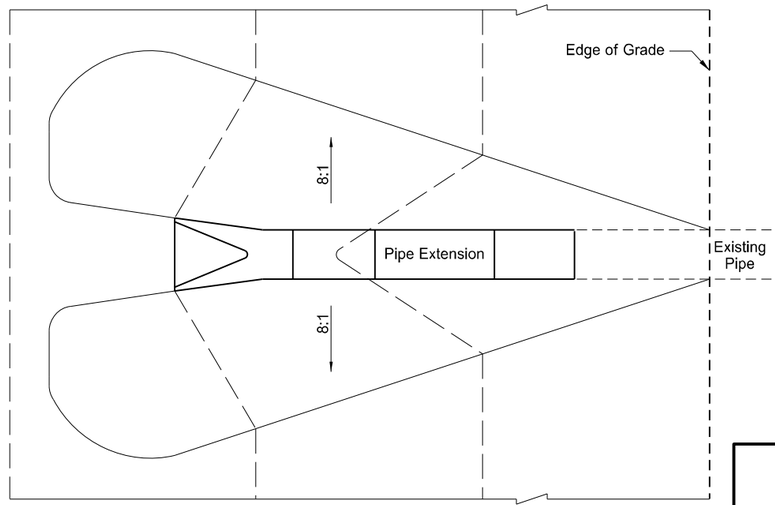
Pay Items
1) Pipe*
2) Remove & Reset End Section or
Remove End Section and Place New End Section

*Included in Pipe Pay Item
1) Pipe
2) Aggregate Base Course Class 3 or Class 5
3) Embankment
4) Topsoil
5) Seeding
6) Mulch



Proposed Section

Cross Section View



Proposed Section

Plan View

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DATE 11/17/2023
NORTH DAKOTA

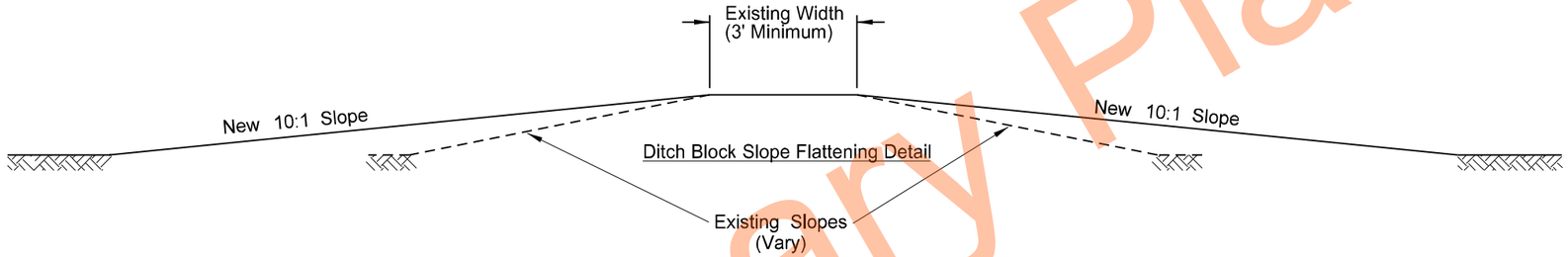
Mainline Centerline Pipe Extension Detail

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	20	9



Preliminary Plans

Note: When existing ditch block slopes are steeper than 8:1, flatten them to 10:1.

	Quantity	
Location	AHD	BK
Sta 13873+10	1	1
Sta 13987+42	1	1
Sta 15272+63	1	1

REGISTERED PROFESSIONAL ENGINEER
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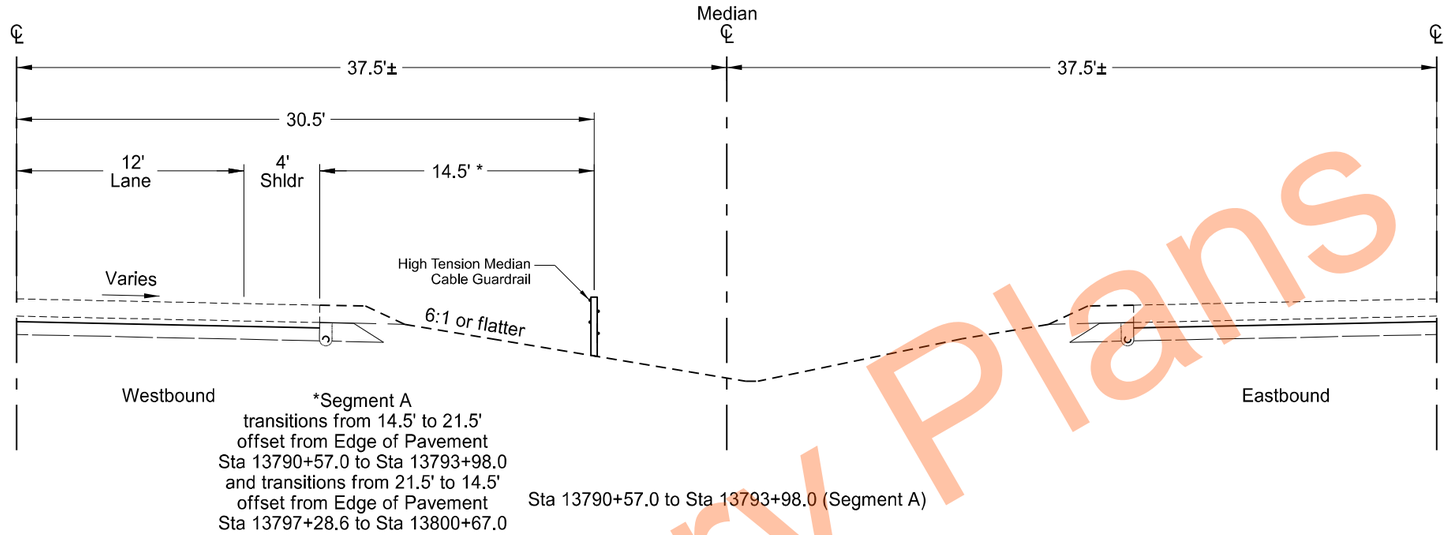
DATE 11/17/2023
NORTH DAKOTA

Ditch Block Detail

High Tension Median Cable Guardrail

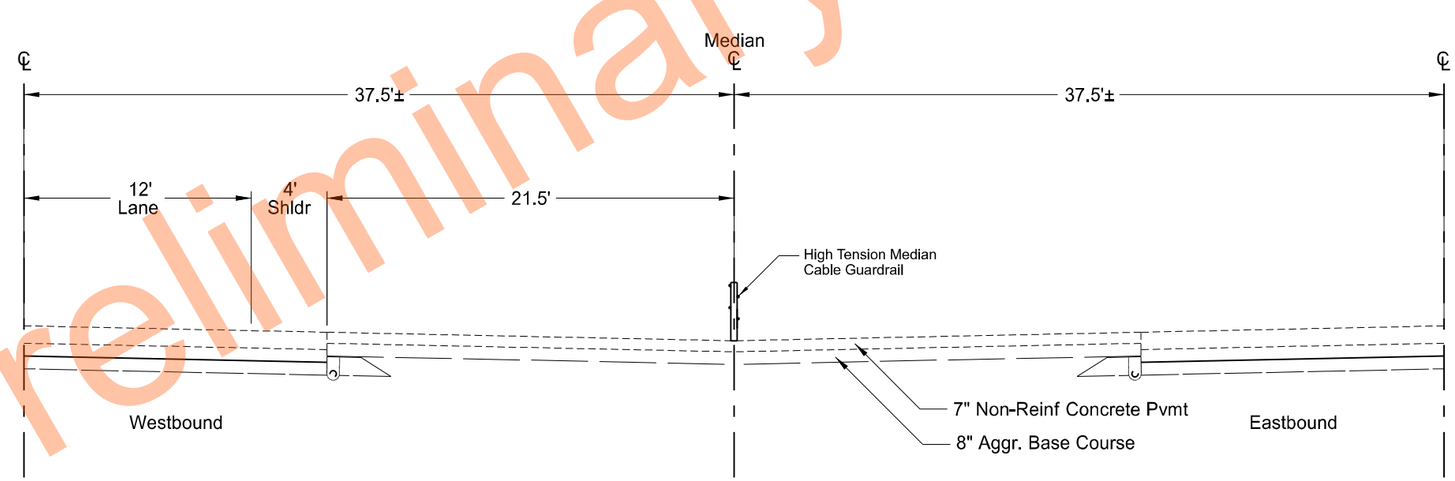
I-94 Median
E of Exit 260 to W of Oakes

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	1



*Segment A
transitions from 14.5' to 21.5'
offset from Edge of Pavement
Sta 13790+57.0 to Sta 13793+98.0
and transitions from 21.5' to 14.5'
offset from Edge of Pavement
Sta 13797+28.6 to Sta 13800+67.0

Sta 13790+57.0 to Sta 13793+98.0 (Segment A)



Sta 13793+98.0 to Sta 13797+28.6 (Segment A)

Proposed Typical Sections

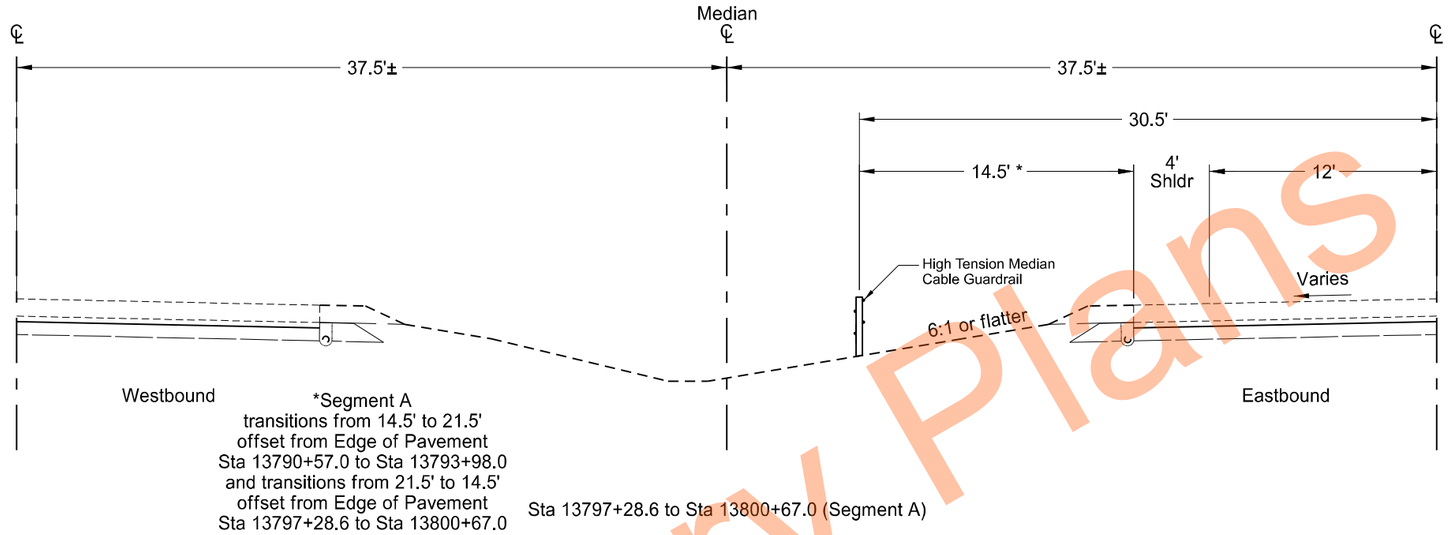
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

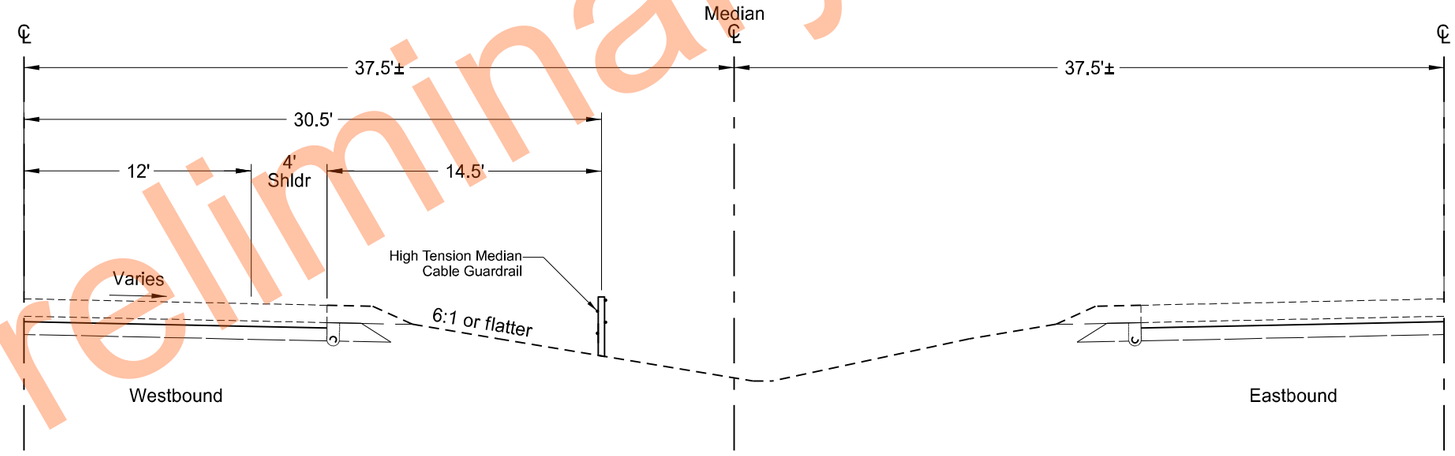
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	2



Sta 13797+28.6 to Sta 13800+67.0 (Segment A)



Sta 13800+97.0 to Sta 13851+09.0 (Segment B)

Proposed Typical Sections

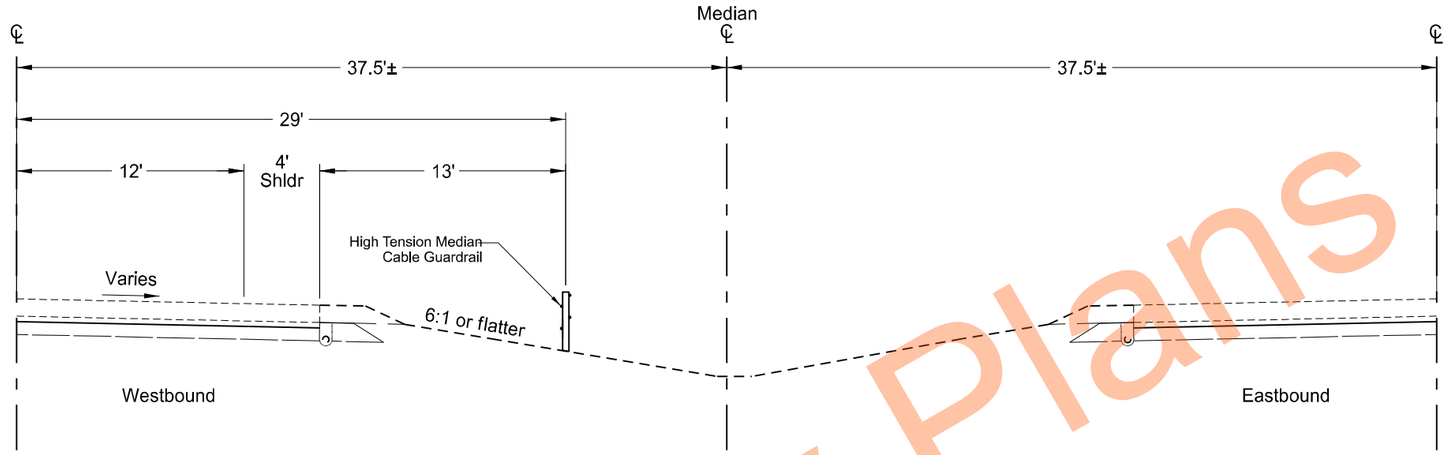
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

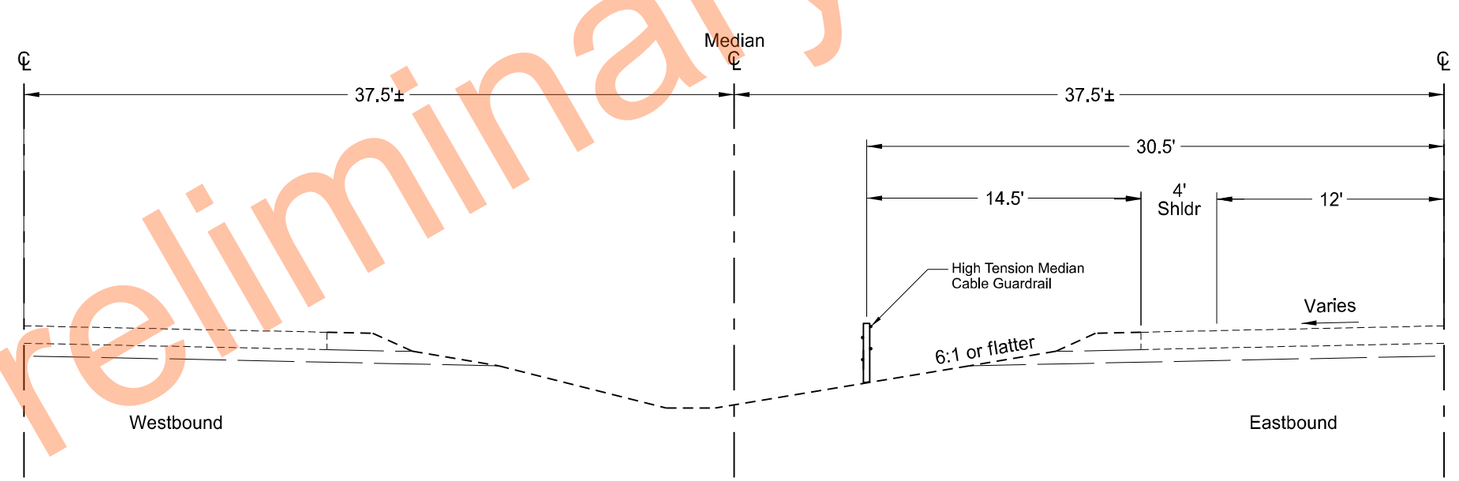
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	3



Sta 13854+64.0 to Sta 14027+70.0 (Segment C)



Sta 14030+42.0 to Sta 14083+25.0 (Segment D)

Preliminary Plans

Proposed Typical Sections

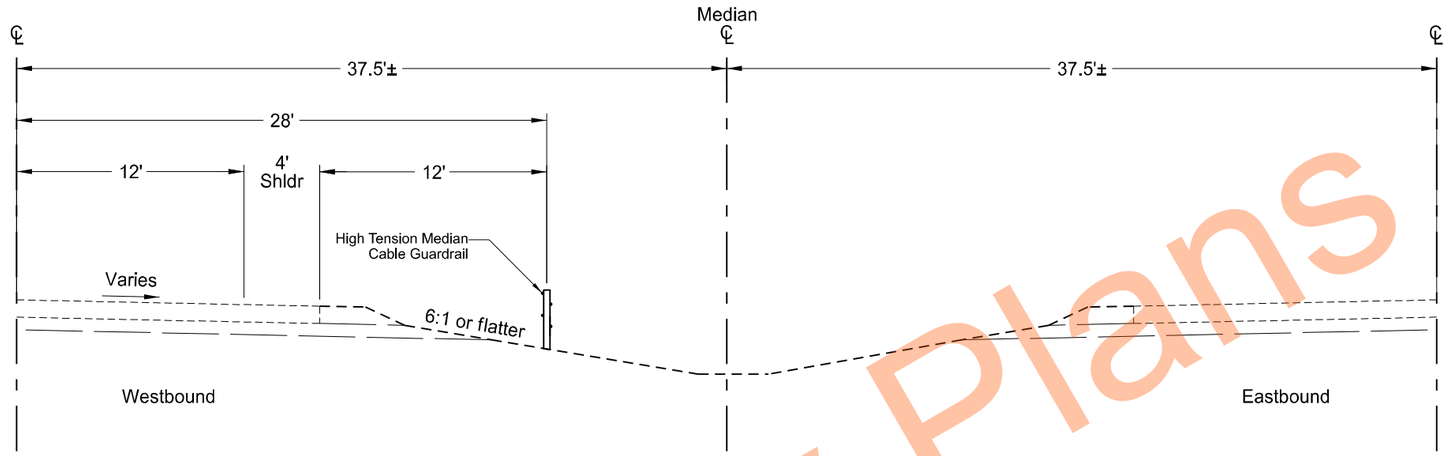
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

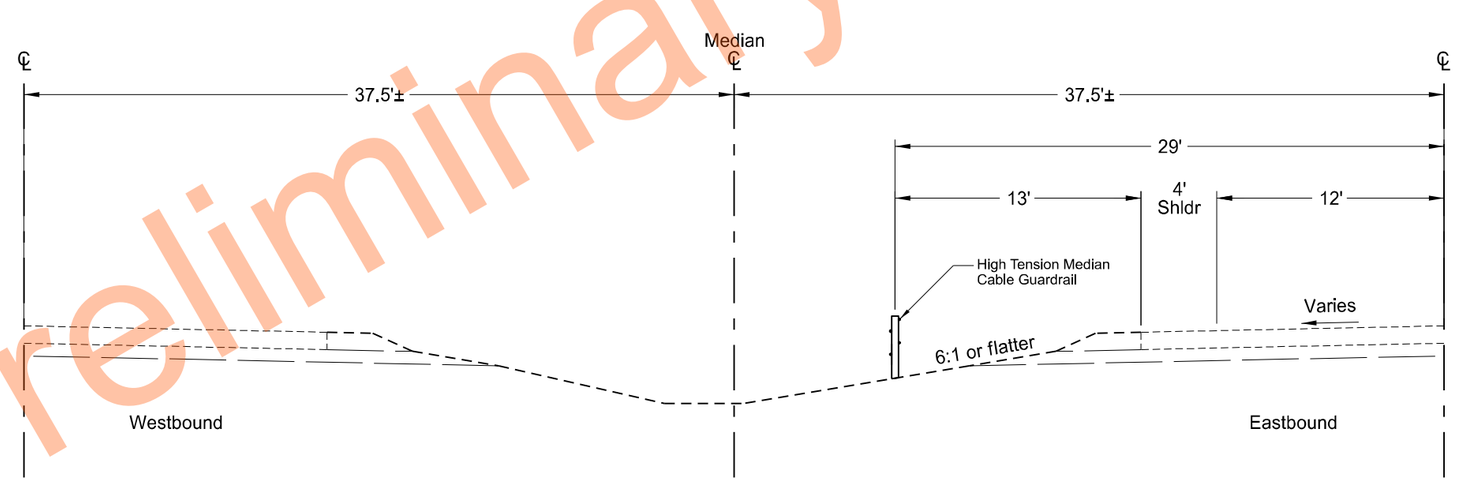
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

11/17/2023 10:37:03 AM grant.gulevich G:\2022\22.11708\2094261.191\Design\Base\030TP.dgn

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	4



Sta 14085+25.0 to Sta 14220+68.0 (Segment E)
Sta 14276+38.0 to Sta 14379+56.0 (Segment G)



Sta 14223+51.0 to Sta 14275+91.0 (Segment F)

Proposed Typical Sections

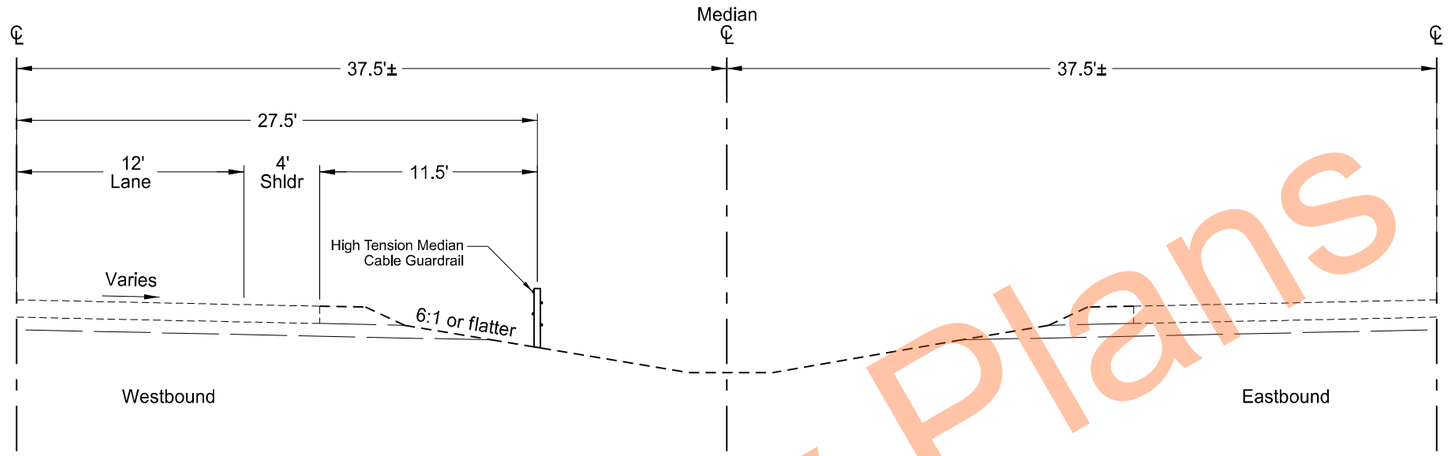
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

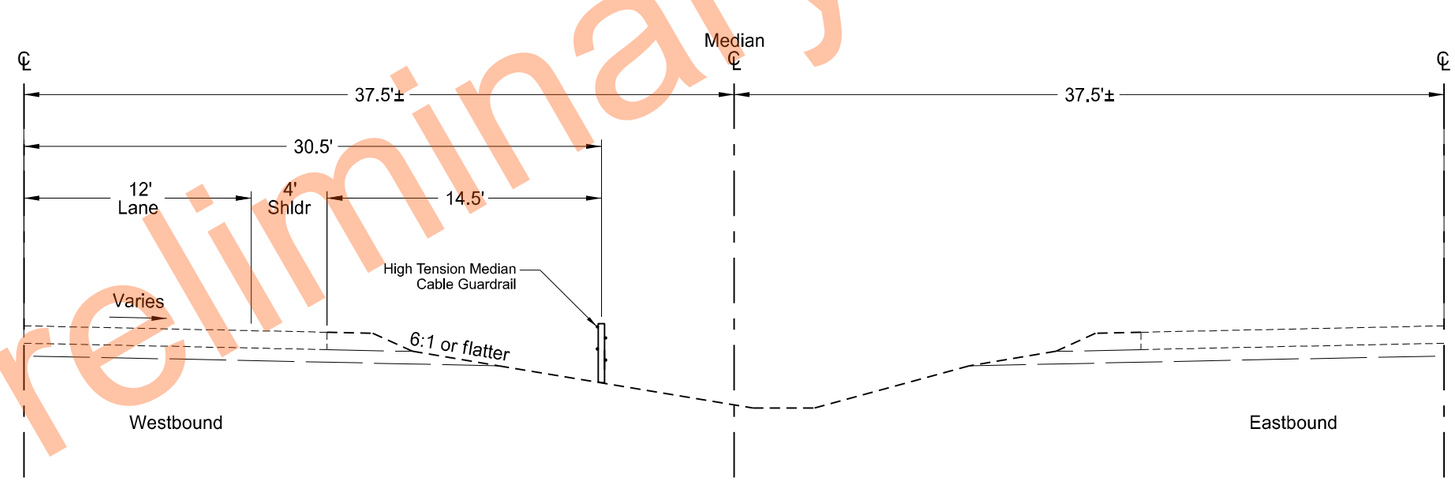
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	5



Sta 14382+81.0 to Sta 14464+16.0 (Segment H)



Sta 14466+09.0 to Sta 14485+53.0 (Segment I)

Proposed Typical Sections

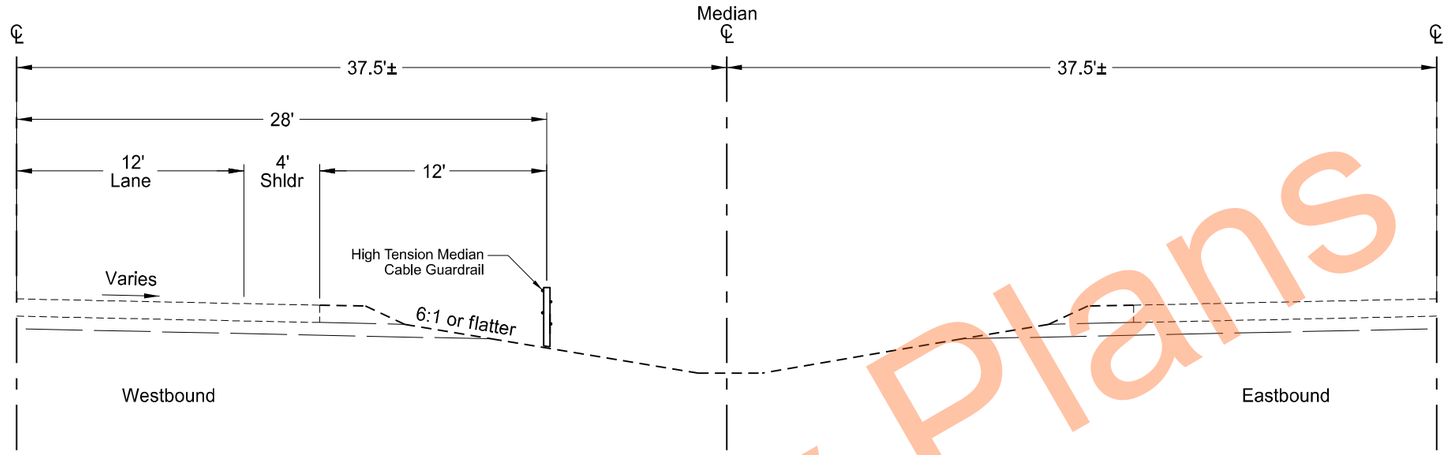
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

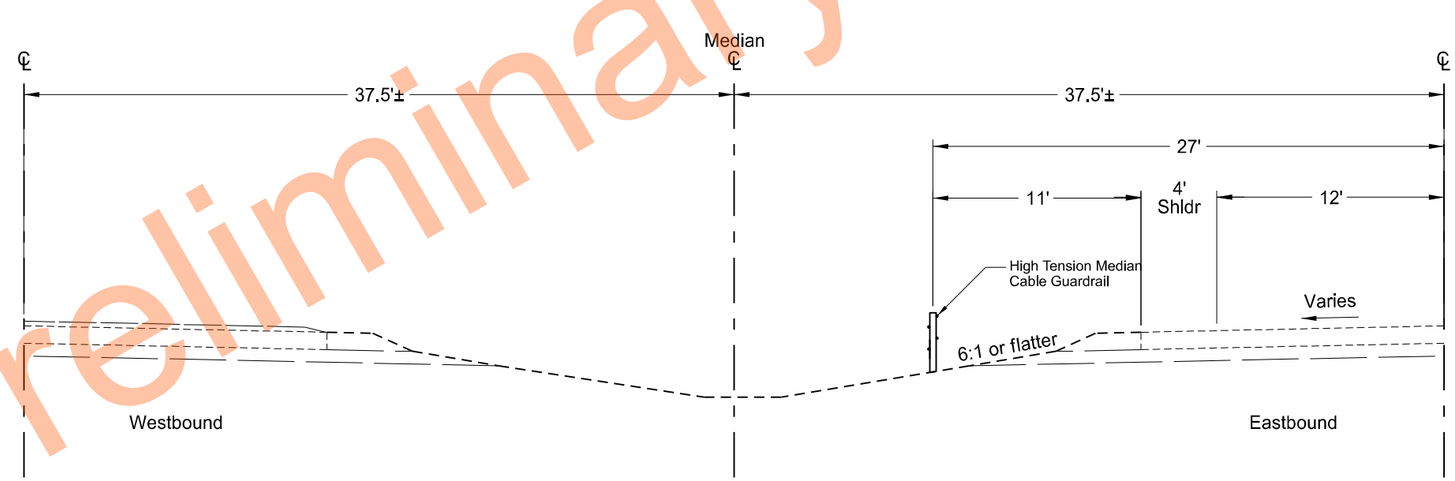
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	6



Sta 14488+79.0 to Sta 14591+73.0 (Segment J)



Sta 14594+65.0 to Sta 14621+77.0 (Segment K)

Proposed Typical Sections

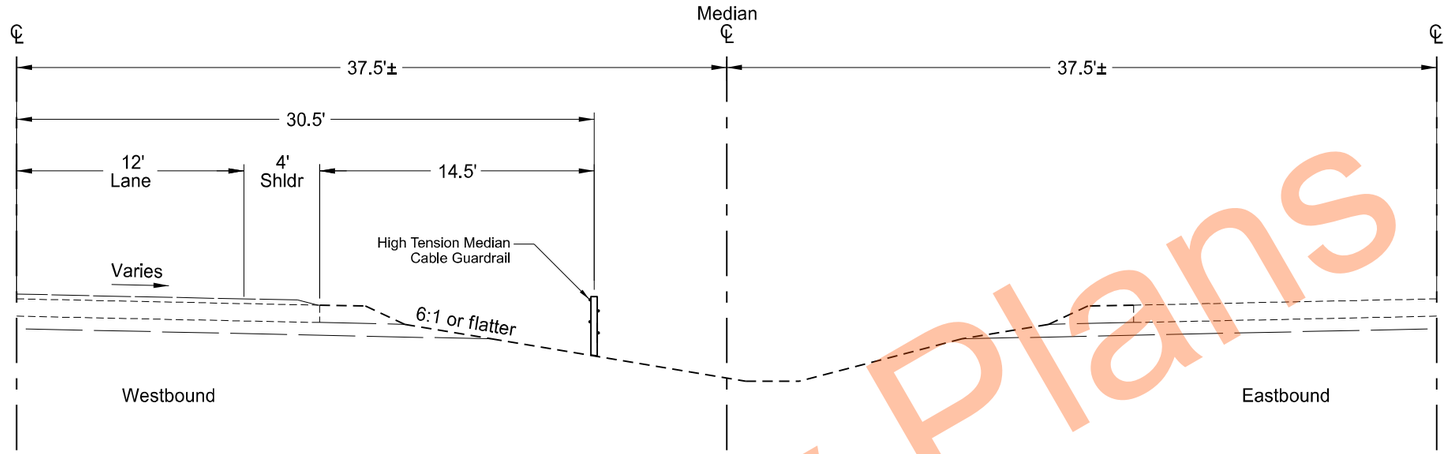
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

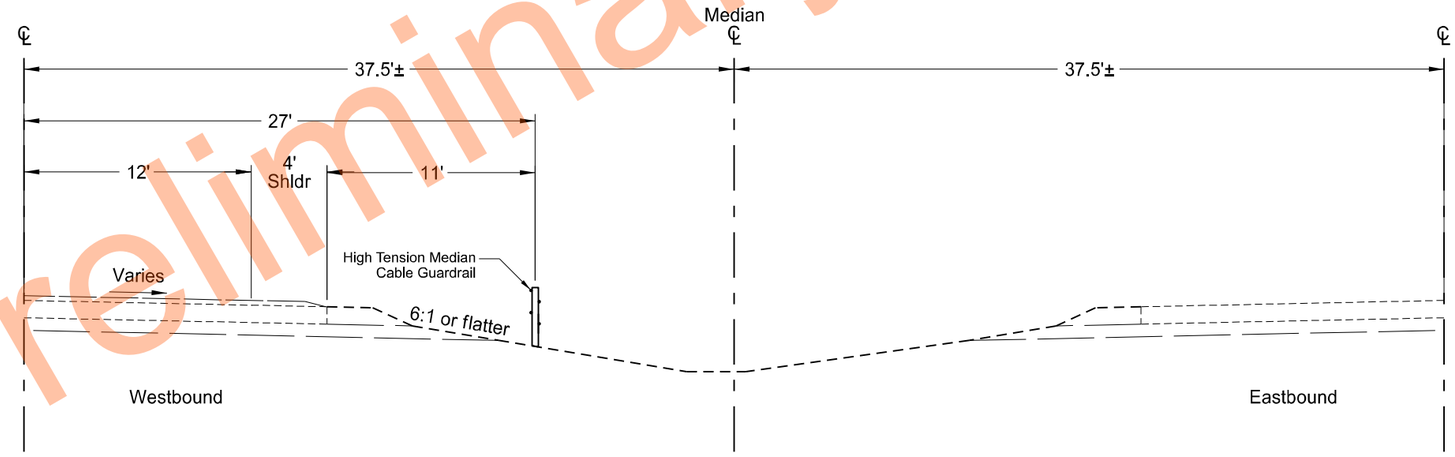
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	7



Sta 14622+15.0 to Sta 14656+57.0 (Segment L)
Sta 14766+37.0 to Sta 14780+90.0 (Segment N)
Sta 14782+82.0 to Sta 14869+21.0 (Segment O)
Sta 14872+17.0 to Sta 14948+35.0 (Segment P)
Sta 14973+25.0 to Sta 15024+71.0 (Segment R)
Sta 15043+60.0 to Sta 15164+10.0 (Segment T)
Sta 15192+30.0 to Sta 15238+37.0 (Segment V)



Sta 14658+54.0 to Sta 14763+43.0 (Segment M)

Proposed Typical Sections

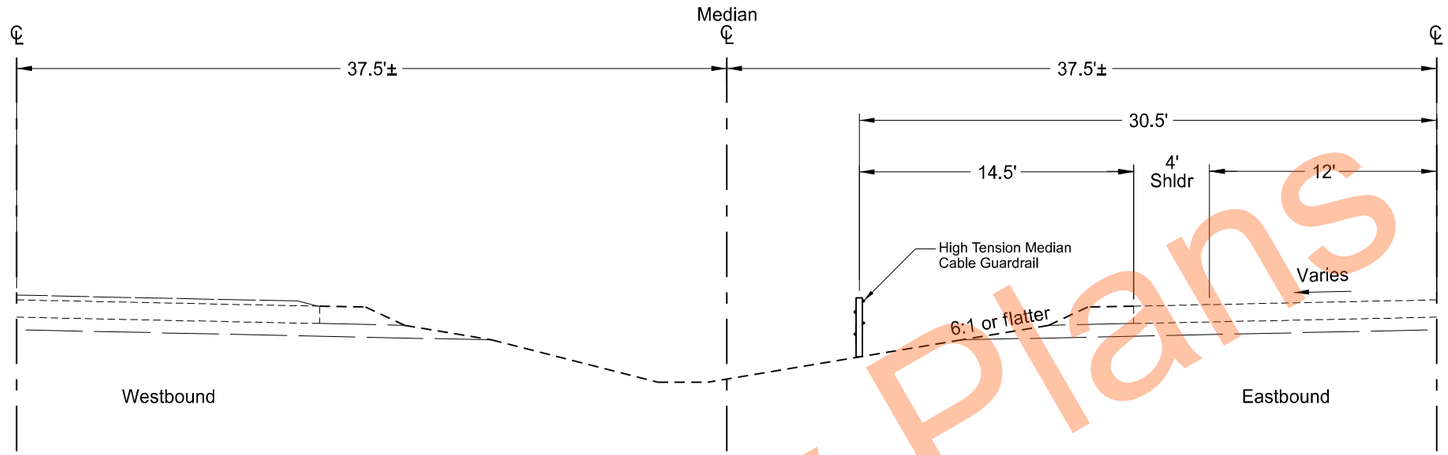
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

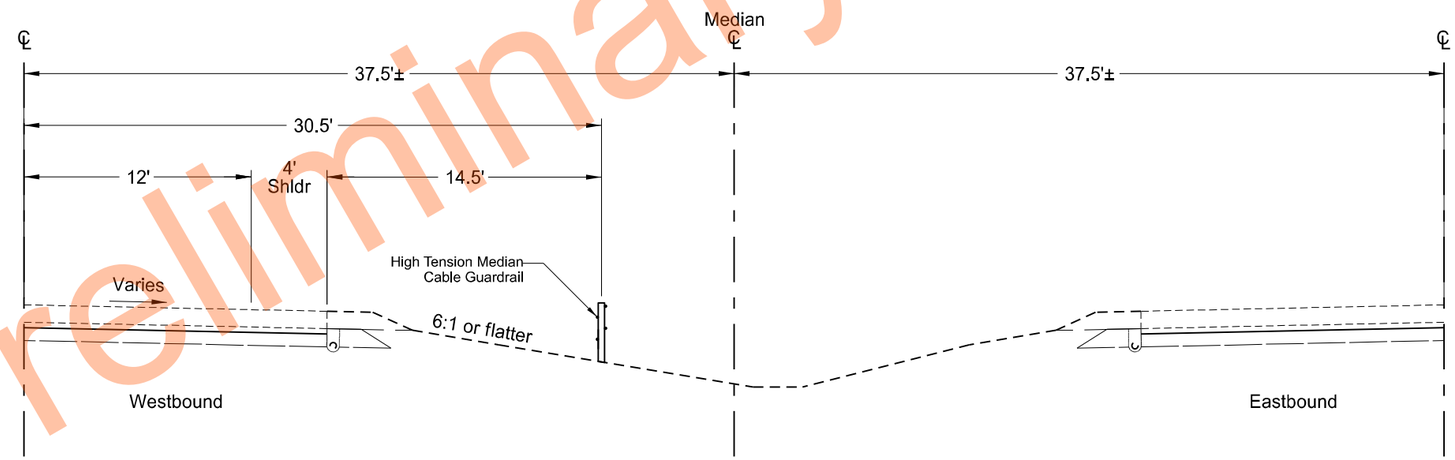
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	30	8



Sta 14951+33.0 to Sta 14972+95.0 (Segment Q)
Sta 15027+54.0 to Sta 15041+60.0 (Segment S)
Sta 15163+71.0 to Sta 15192+00.0 (Segment U)



Sta 15241+66.0 to Sta 15293+10.0 (Segment W)

Proposed Typical Sections

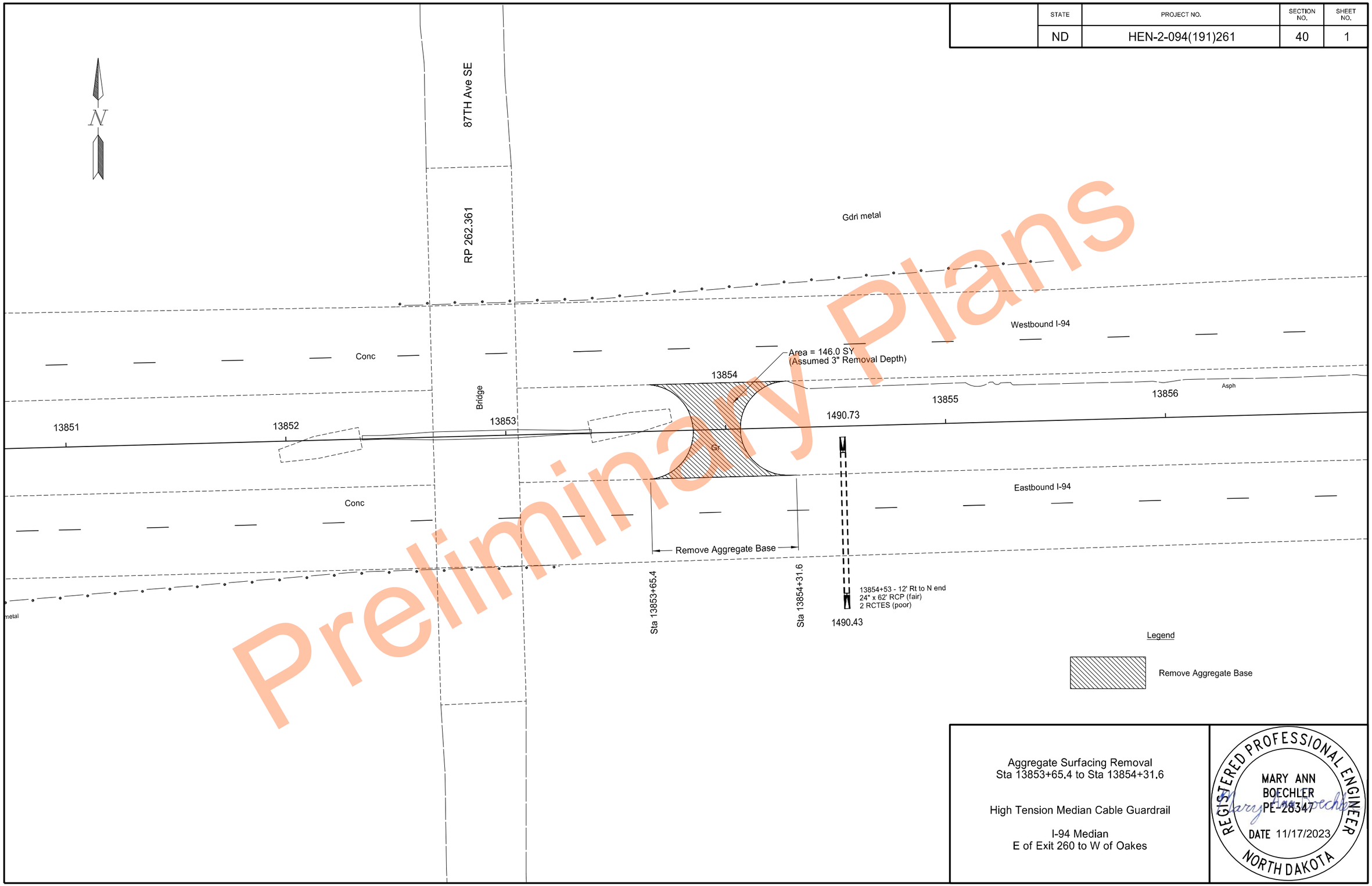
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	40	1



Preliminary Plans

Aggregate Surfacing Removal
Sta 13853+65.4 to Sta 13854+31.6

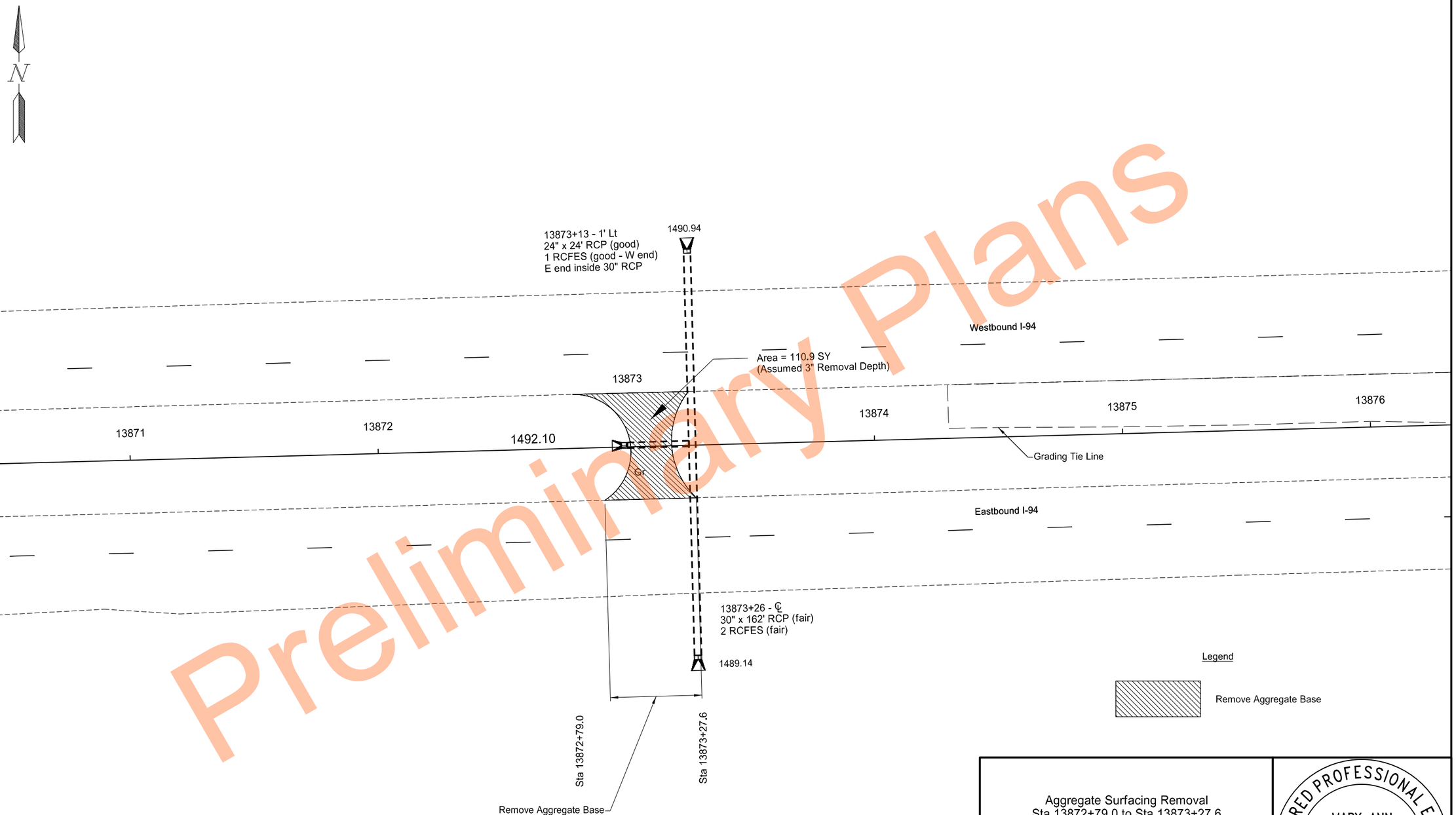
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

11/16/2023 5:24:05 PM grant.gulevich G:\2022\22.11708\2094261.191\Design\Sheets\040RM_001.dgn

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	40	2



Preliminary Plans

Aggregate Surfacing Removal
Sta 13872+79.0 to Sta 13873+27.6

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

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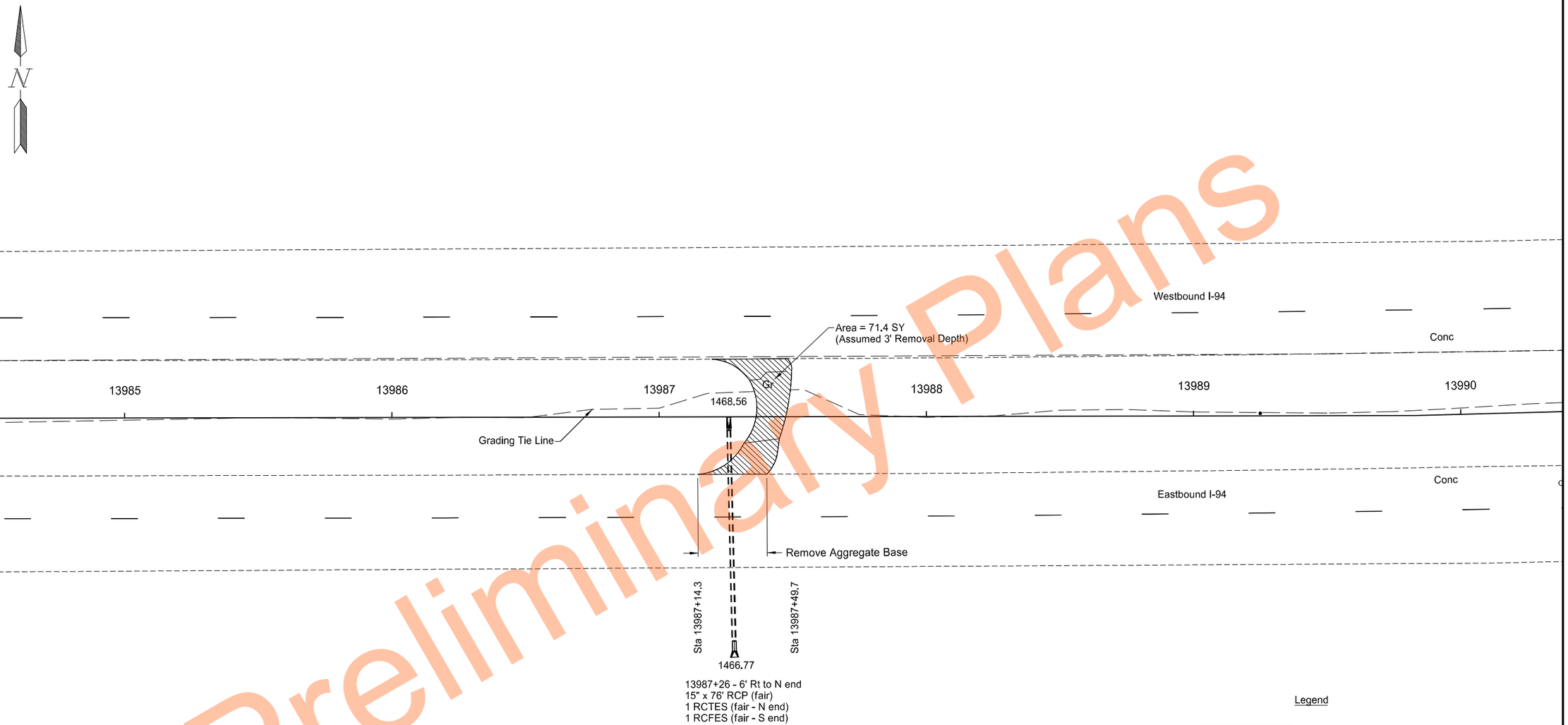

Preliminary Plans

Aggregate Surfacing Removal
Sta 13987+14.3 to Sta 13987+49.7

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

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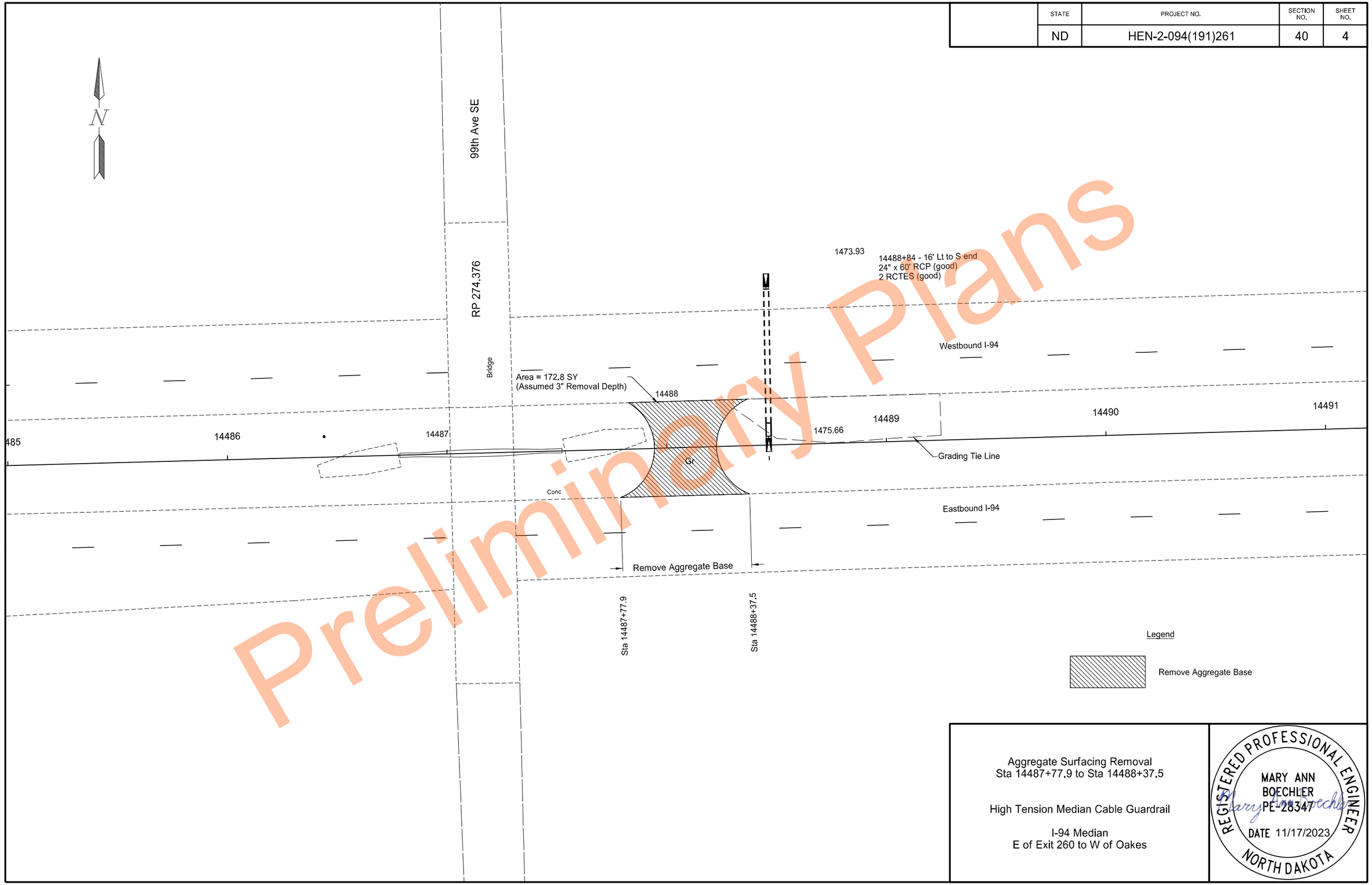
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	40	4



Preliminary Plans

Aggregate Surfacing Removal
Sta 14487+77.9 to Sta 14488+37.5

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN
BOECHLER
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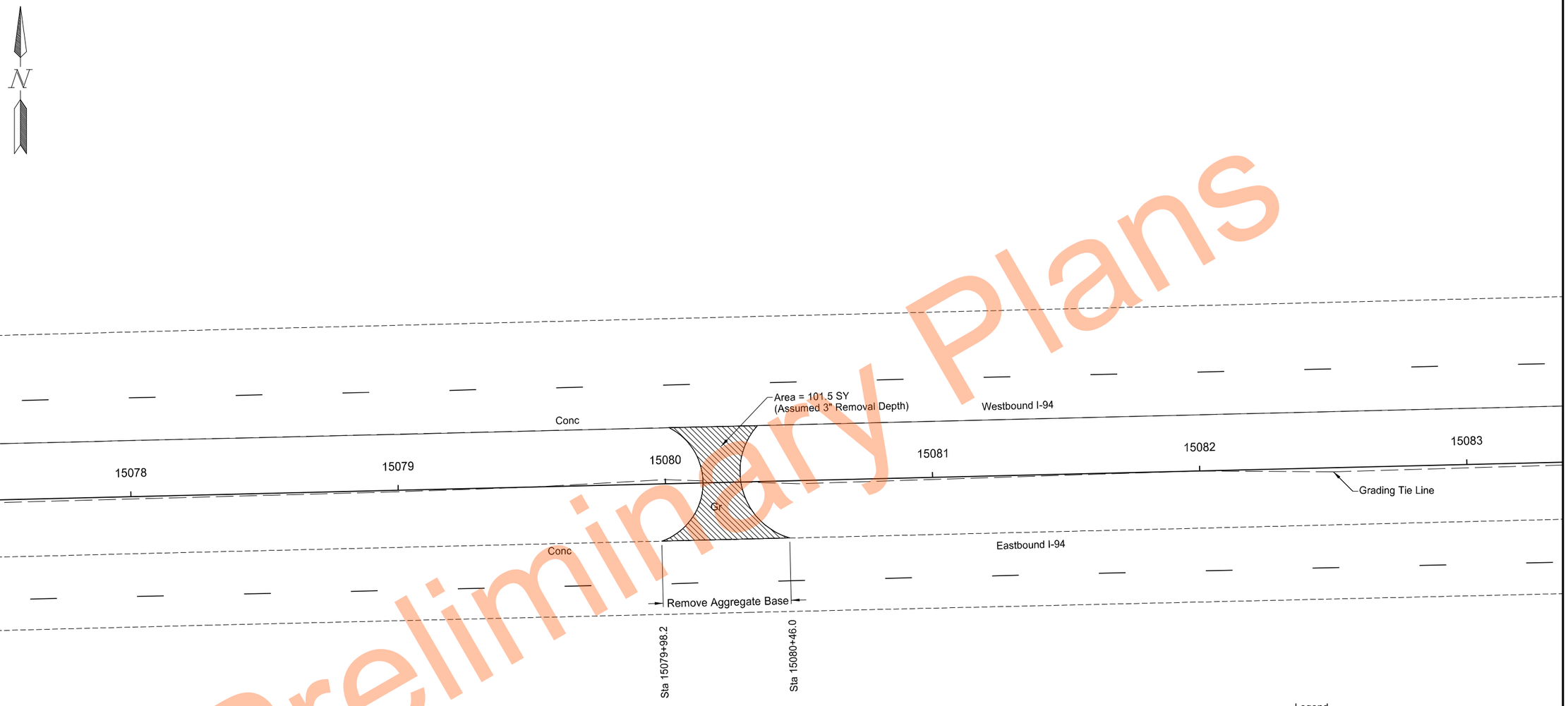
DATE 11/17/2023
NORTH DAKOTA

11/16/2023 5:25:51 PM grant.gulevich G:\2022\22.11708\2094261.191\Design\Sheets\040RM_004.dgn

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	40	5



Preliminary Plans

Aggregate Surfacing Removal
Sta 15079+98.2 to Sta 15080+46.0

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

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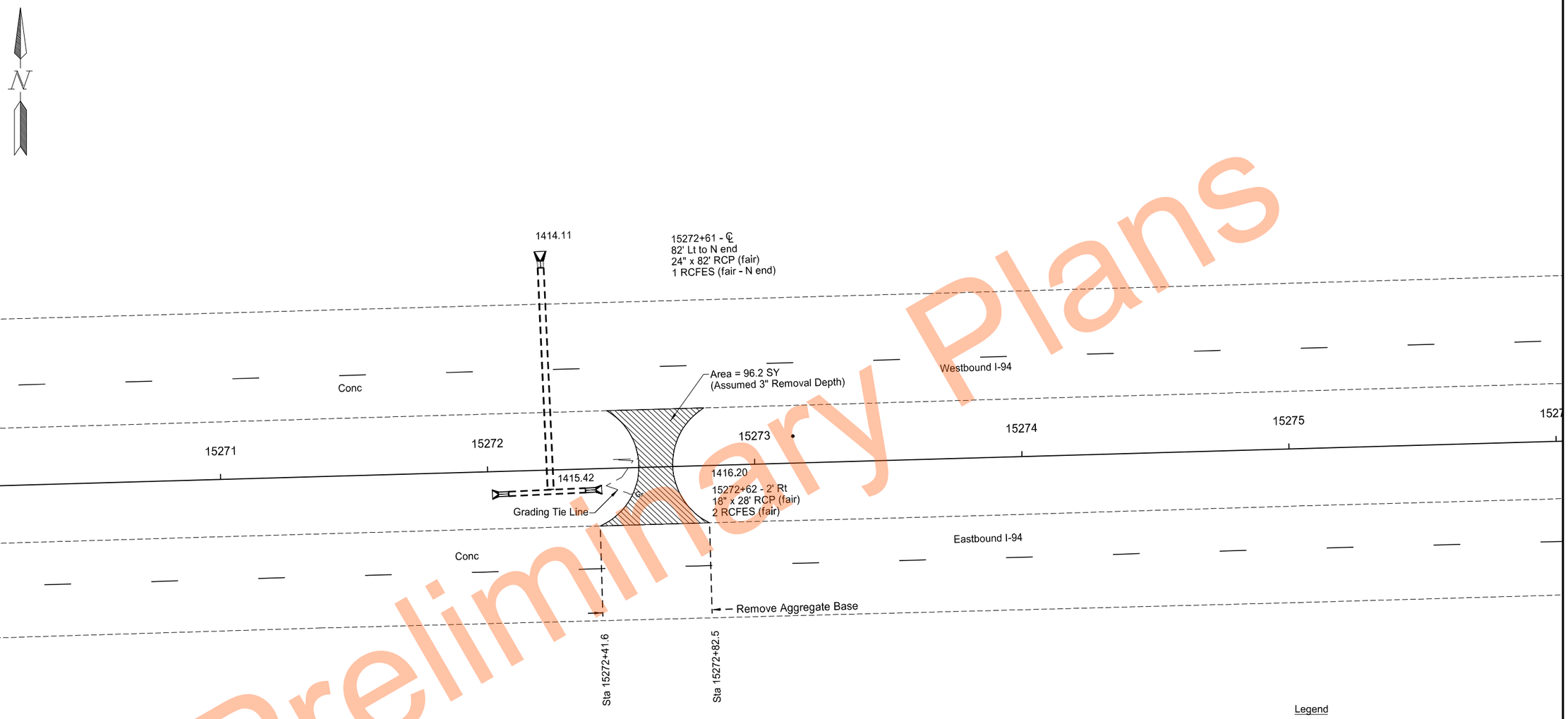
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	40	6



Preliminary Plans

Aggregate Surfacing Removal
Sta 15272+41.6 to Sta 15272+82.5

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	51	1

Begin Station / Location	Begin Offset	End Station / Location	End Offset	Pipe Installation (Pay Item)			Allowable Material	Required Diameter	Steel Pipe Coatings	Steel Pipe Corrugations or Spiral Ribs	Steel Pipe Minimum Thickness	Geosynthetic Material Type G (Pay Item)	End Sections		Applicable Backfill
													Begin	End	
				IN	Bid Item	LF		In	Type		In	SY	EA	EA	
14488+84	16' Lt	14488+84	10' Lt	24	Pipe Conc. Reinf. CL III (Extension)	6'	Reinforced Concrete Pipe - Class III (barrel length = 6 LF)	24						*Remove & Relay	Section 20 Sheet 8

(*) End sections are measured and paid for separately for pipe extensions.
FES = Flared End Section
TES = Traversable End Section

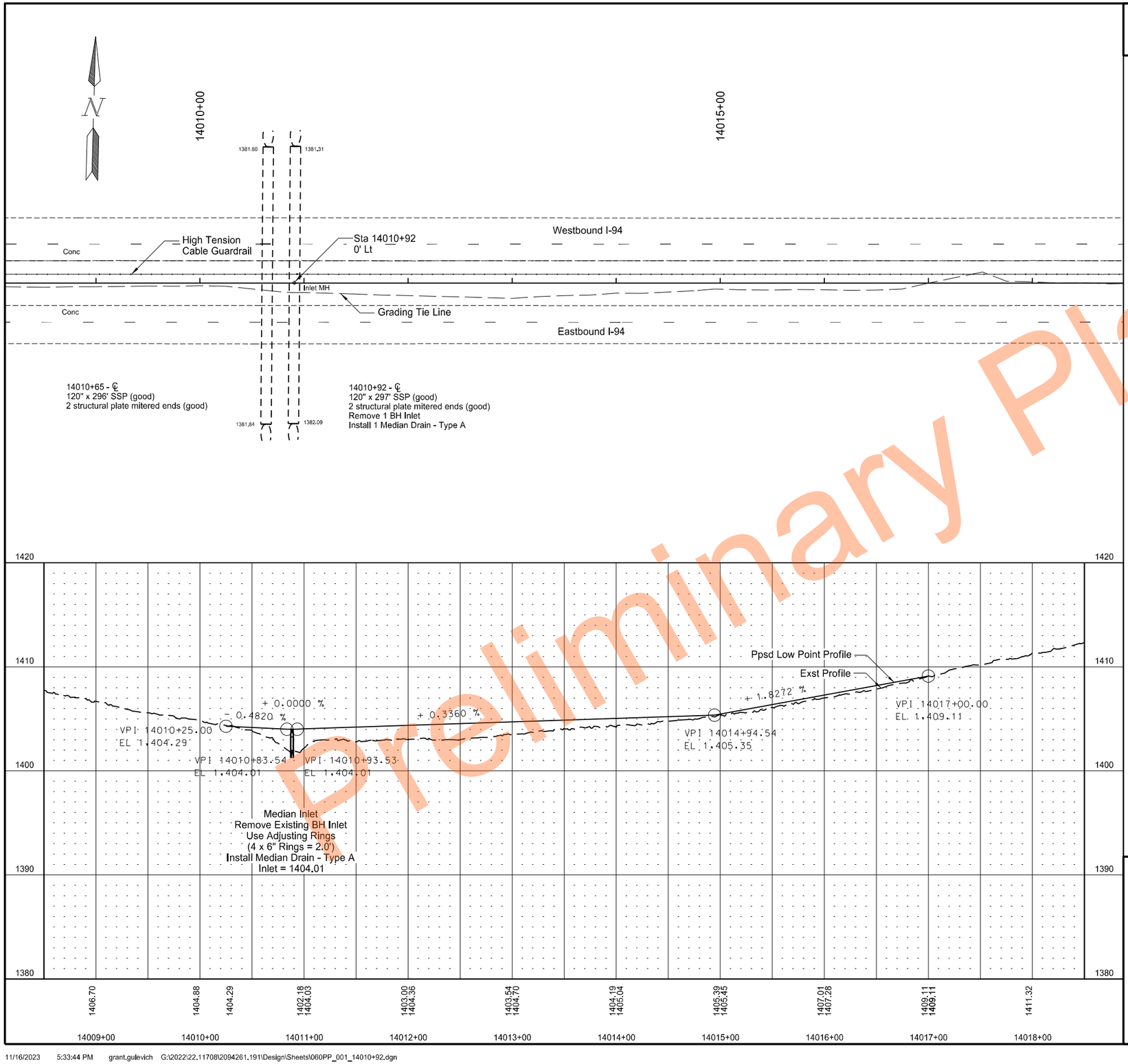
Preliminary Plans

Allowable Pipe List

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA



Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	60	1

SPEC	CODE	BID ITEM	QTY	UNIT
202	0230	Removal of Inlets		
		14010+92 - 0' Lt	1	EA
722	4565	Median Drain Precast Concrete - Type A		
		14010+92 - 0' Lt	1	EA
722	6160	Adjust Inlet		
		14010+92 - 0' Lt	1	EA

Plan & Profile - Inlet Adjustment

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

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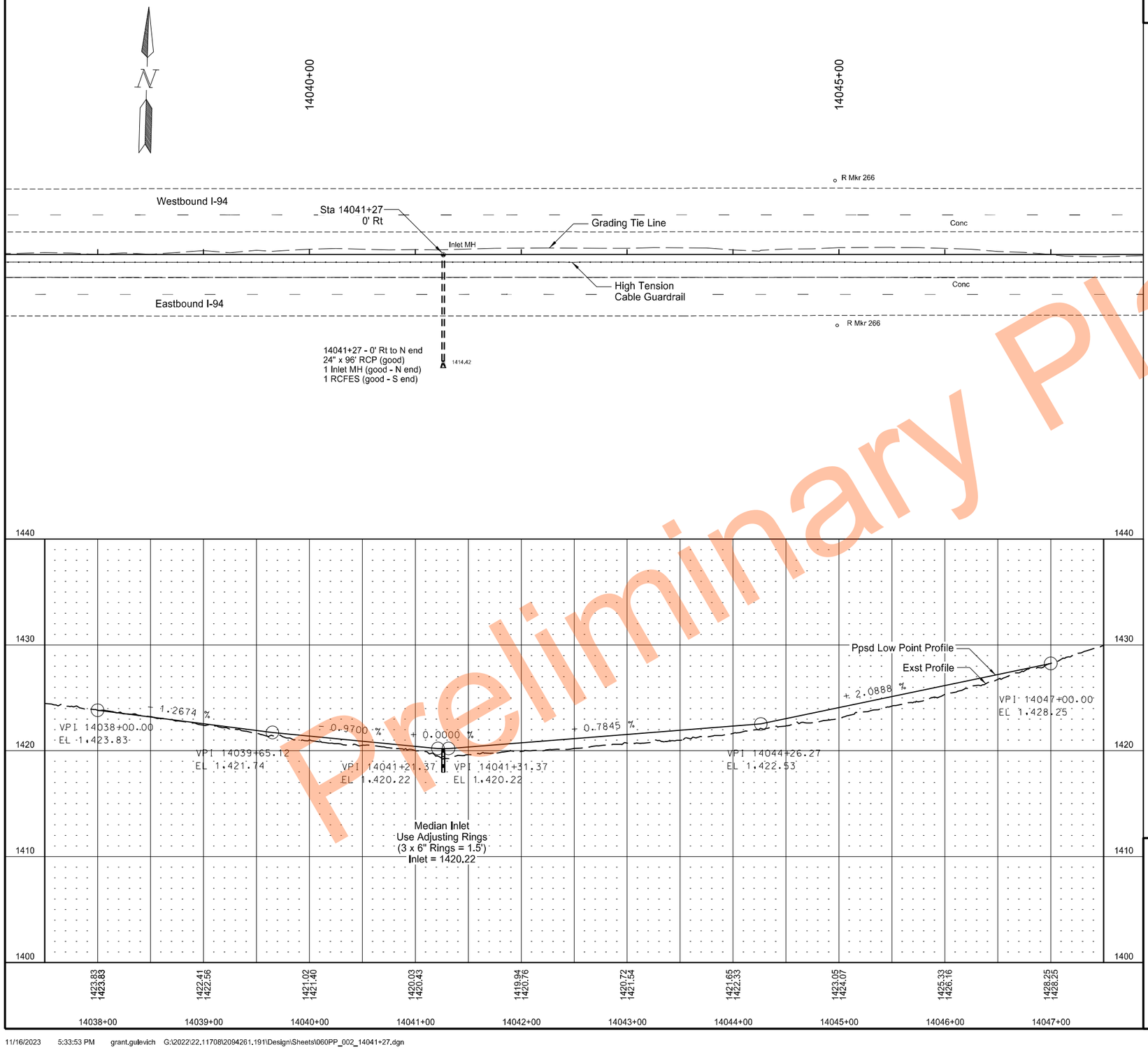
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	60	2

SPEC	CODE	BID ITEM	QTY	UNIT
722	6160	Adjust Inlet		
		14041+27 - 0' Rt	1	EA



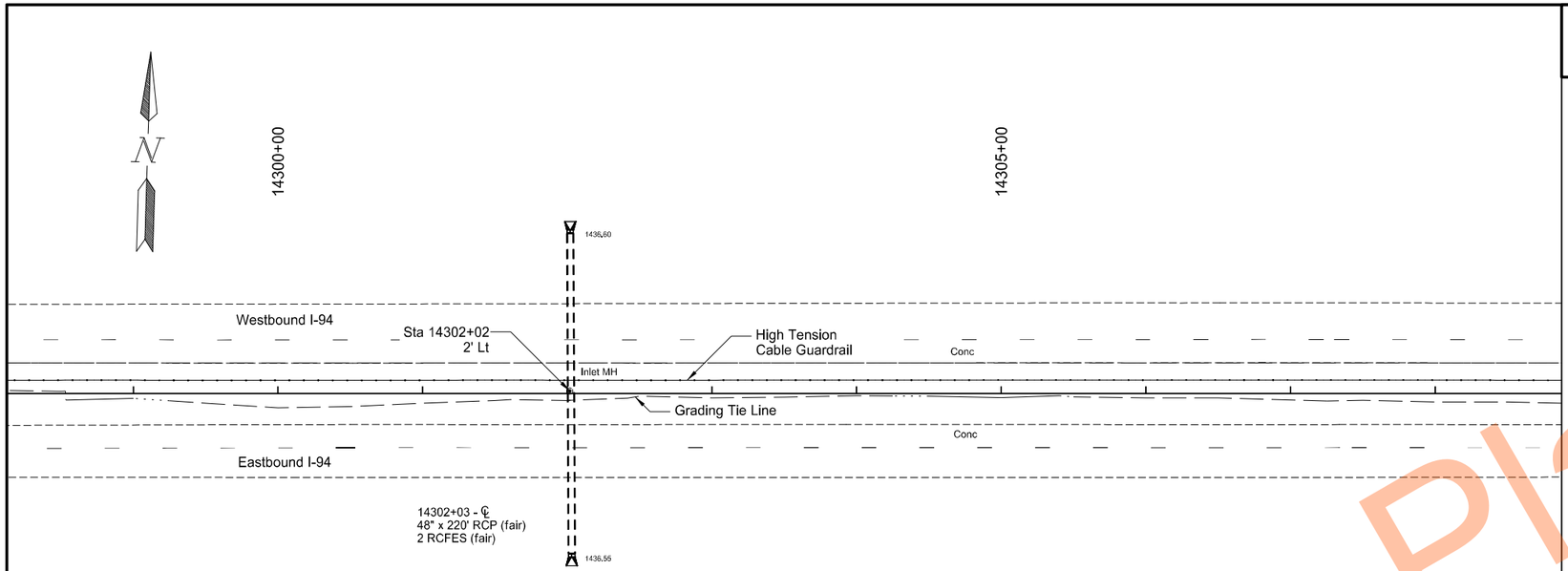
Preliminary Plans

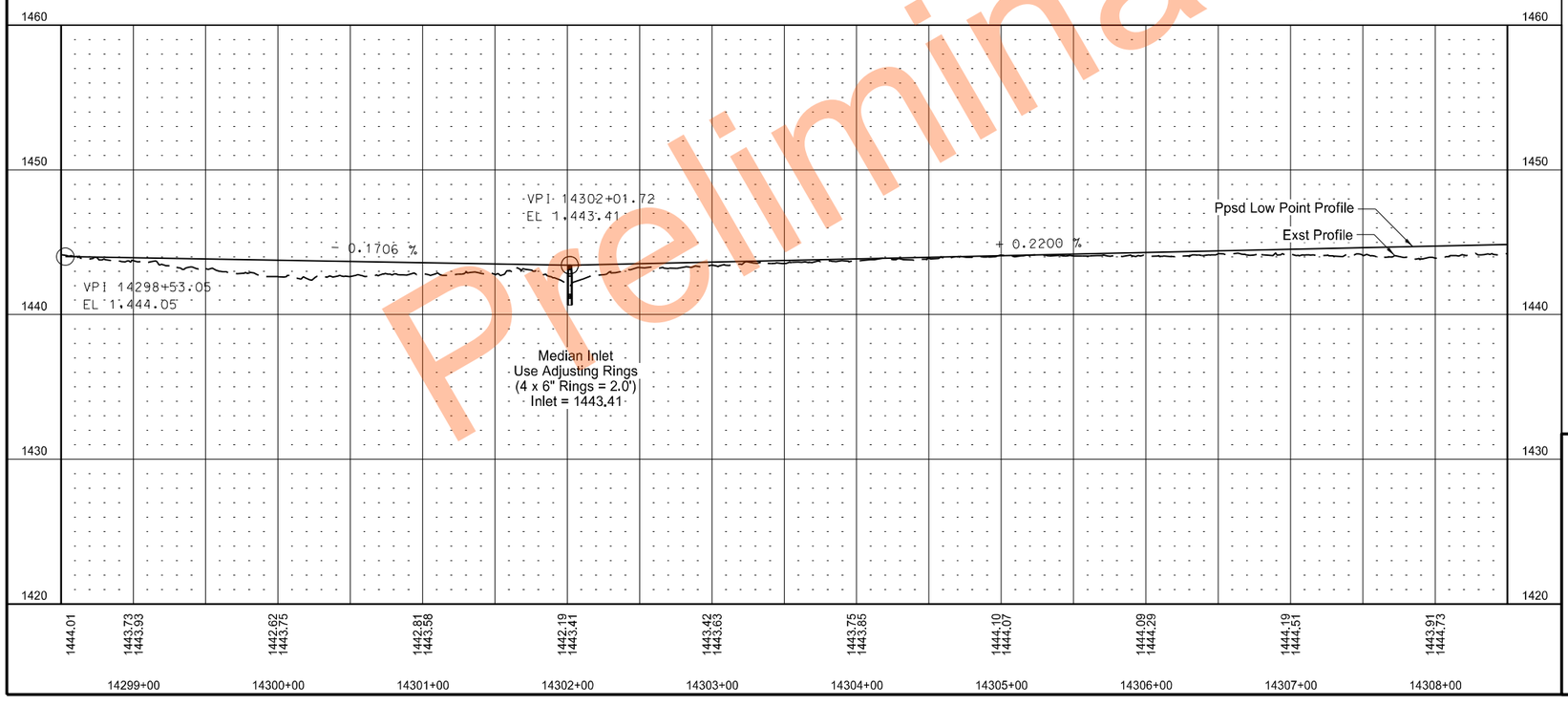
Plan & Profile - Inlet Adjustment

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA





	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	60	3

SPEC	CODE	BID ITEM	QTY	UNIT
722	6160	Adjust Inlet		
		14302+02 - 2' Lt	1	EA

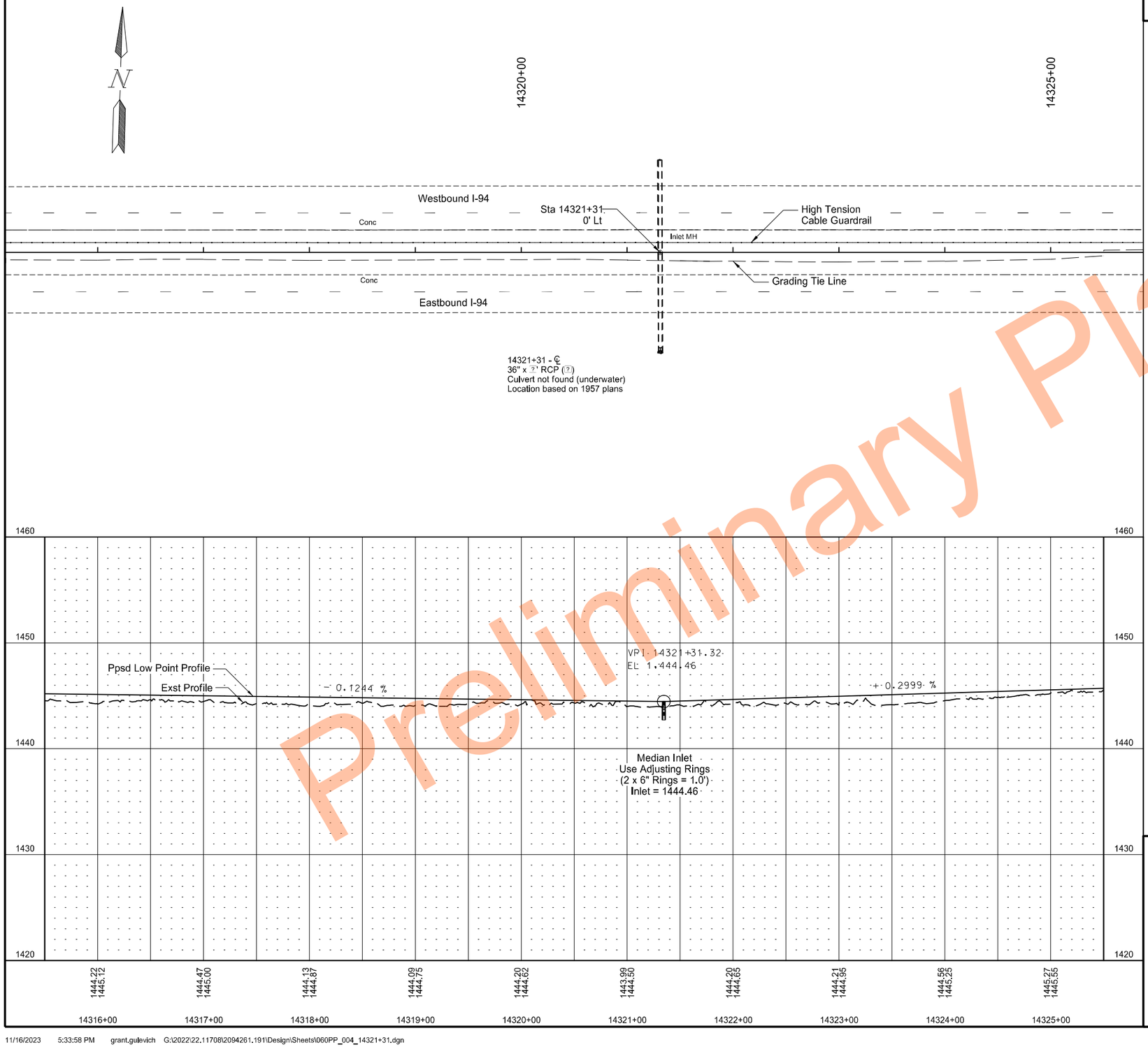
Plan & Profile - Inlet Adjustment

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	60	4

SPEC	CODE	BID ITEM	QTY	UNIT
722	6160	Adjust Inlet		
		14321+31 - 0' Lt	1	EA

See Plan Note 722-P01 for additional information.

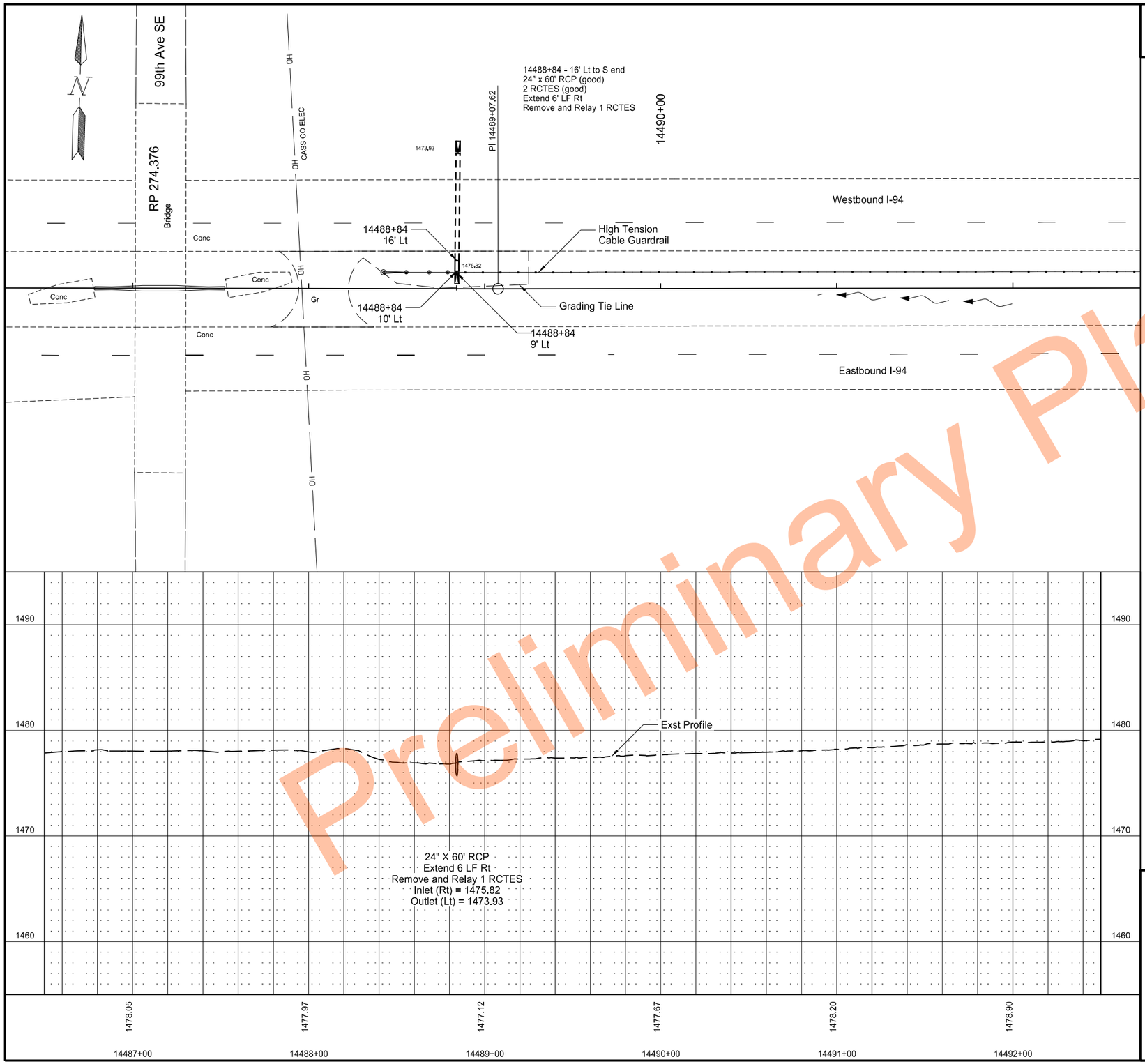
Plan & Profile - Inlet Adjustment

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	60	5

SPEC	CODE	BID ITEM	QTY	UNIT
714	0615	Pipe Conc Reinf 24IN CL III		
		14488+84 - 16' Lt to 14488+84 - 10' Lt	6	LF
714	9660	Remove & Relay End Section-All Types & Sizes		
		14488+84 - 9' Lt	1	EA

Preliminary Plans

Plan & Profile - Pipe Extension

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
MARY ANN
BOECHLER
PE-28347
DATE 11/17/2023
NORTH DAKOTA

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	1

Wetland Impact Table

Wetland Number	Location	Wetland Type	Wetland Feature	USACE Jurisdictional Wetlands	Wetland Impact			Wetland Mitigation									
					Wetland Impacts Acre(s)			Mitigation Proposed			USACE/11990 Bank		11990 Bank		Onsite Mitigation Method		
					Temp.	Perm. (Fill/Drain)	Perm. (Cut)	EO 11990	USACE	USFWS	Location	Acre(s)	Location	Acre(s)	Mitigation Location; Ratio	Ditch Shift Acre(s)	Onsite Acre(s)
1	Sec. 32, T140N, R63W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	Sec. 33, T140N, R63W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	Sec. 33, T140N, R63W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	Sec. 33, T140N, R63W	Ditch	Created	Y	0.016	0.014	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	Sec. 33, T140N, R63W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	Sec. 34, T140N, R63W	Ditch	Created	Y	0.005	0.011	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	Sec. 34, T140N, R63W	Ditch	Created	Y	0.006	0.015	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Sec. 35, T140N, R63W	Ditch	Created	Y	0.001	0.002	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	Sec. 35, T140N, R63W	Ditch	Created	Y	0.004	0.006	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	Sec. 35, T140N, R63W	Ditch	Created	Y	0.002	0.005	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	Sec. 35, T140N, R63W	Ditch	Created	Y	0.003	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	Sec. 35, T140N, R63W	Ditch	Created	Y	0.002	0.004	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	Sec. 35, T140N, R63W	Ditch	Created	Y	0.004	0.004	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	Sec. 35, T140N, R63W	Ditch	Created	Y	0.002	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	Sec. 35, T140N, R63W	Ditch	Created	Y	0.001	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	Sec. 31, T140N, R62W	Ditch	Created	Y	0.002	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	Sec. 32, T140N, R62W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Preliminary Plans

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	2

Wetland Impact Table

Wetland Number	Location	Wetland Type	Wetland Feature	USACE Jurisdictional Wetlands	Wetland Impact			Wetland Mitigation									
					Wetland Impacts Acre(s)			Mitigation Proposed			USACE/11990 Bank		11990 Bank		Onsite Mitigation Method		
					Temp.	Perm. (Fill/Drain)	Perm. (Cut)	EO 11990	USACE	USFWS	Location	Acre(s)	Location	Acre(s)	Mitigation Location: Ratio	Ditch Shift Acre(s)	Onsite Acre(s)
18	Sec. 2, T139N, R62W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	Sec. 2, T139N, R62W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	Sec. 2, T139N, R62W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	Sec. 1, T139N, R62W	Ditch	Created	Y	0.013	0.059	0.001	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	Sec. 1, T139N, R62W	Ditch	Created	Y	0.000	0.259	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	Sec. 32, T140N, R61W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	Sec. 3, T139N, R61W	Ditch	Created	Y	0.005	0.004	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	Sec. 3, T139N, R61W	Ditch	Created	Y	0.032	0.090	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	Sec. 3, T139N, R61W	Ditch	Created	Y	0.005	0.045	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	Sec. 2, T139N, R61W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	Sec. 2, T139N, R61W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	Sec. 2, T139N, R61W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	Sec. 31, T140N, R60W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	Sec. 29, T140N, R60W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Preliminary Plans

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	3

Wetland Impact Table

Wetland Number	Location	Wetland Type	Wetland Feature	USACE Jurisdictional Wetlands	Wetland Impact			Wetland Mitigation									
					Wetland Impacts Acre(s)			Mitigation Proposed			USACE/11990 Bank		11990 Bank		Onsite Mitigation Method		
					Temp.	Perm. (Fill/Drain)	Perm. (Cut)	EO 11990	USACE	USFWS	Location	Acre(s)	Location	Acre(s)	Mitigation Location: Ratio	Ditch Shift Acre(s)	Onsite Acre(s)
32	Sec. 27, T140N, R60W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
33	Sec. 25, T140N, R60W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34a	Sec. 30, T140N, R59W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
34b	Sec. 30, T140N, R59W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	Sec. 29, T140N, R59W	Ditch	Created	Y	0.002	0.008	0.002	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
36	Sec. 29, T140N, R59W	Ditch	Created	Y	0.026	0.039	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37	Sec. 29, T140N, R59W	Ditch	Created	Y	0.029	0.039	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
38	Sec. 28, T140N, R59W	Ditch	Created	Y	0.023	0.051	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
39	Sec. 28, T140N, R59W	Ditch	Created	Y	0.054	0.065	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	Sec. 25, T140N, R59W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
41	Sec. 25, T140N, R59W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42	Sec. 25, T140N, R59W	Ditch	Created	Y	0.000	0.000	0.000	N	N	N	0.000	0.000	0.000	0.000	0.000	0.000	0.000
				Totals	0.234	0.720	0.003					0.000		0.000		0.000	0.000

Waters assumed jurisdictional for permitting purposes.

Preliminary Plans

Wetland Impacts

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	ND	HEN-2-094(191)261	75	4

Impact Summary Table

Permanent Impact Summary		Temporary Impacts and additional information	
Wetland Type	**Total Acre(s)**	**Wetland Type**	**Total Acre(s)**
Natural/JD (Fill/Drain)	0.000	**Temporary JD**	0.234
Natural/Non-JD (Fill/Drain)	0.000	**Non-JD Temporary**	0.000
Artificial/JD (Created)	0.720		
Artificial /Non-JD (Created) (Fill)	0.000	**Permanent OW**	0.000
Total	**0.720**	**Temporary OW**	0.000
JD Natural (Cut)	0.000	**Permanent OW-d**	0.000
JD Artificial (Created)	0.003	**Temporary OW-d**	0.000
Non-JD Natural (Cut)	0.000		
Non-JD Artificial (Created) (Cut)	0.000		
Total	**0.003**		

Mitigation Summary Table

	Ditch Shift Acre(s)	Onsite Acre(s)	11990 Bank Acre(s)	USACE/11990 Bank Acre(s)	USFWS Bank Acre(s)
USACE Only					
EO 11990 Only					
USACE/11990					
USFWS					
	0	**0**	**0**	**0**	**0**

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Wetland Impacts

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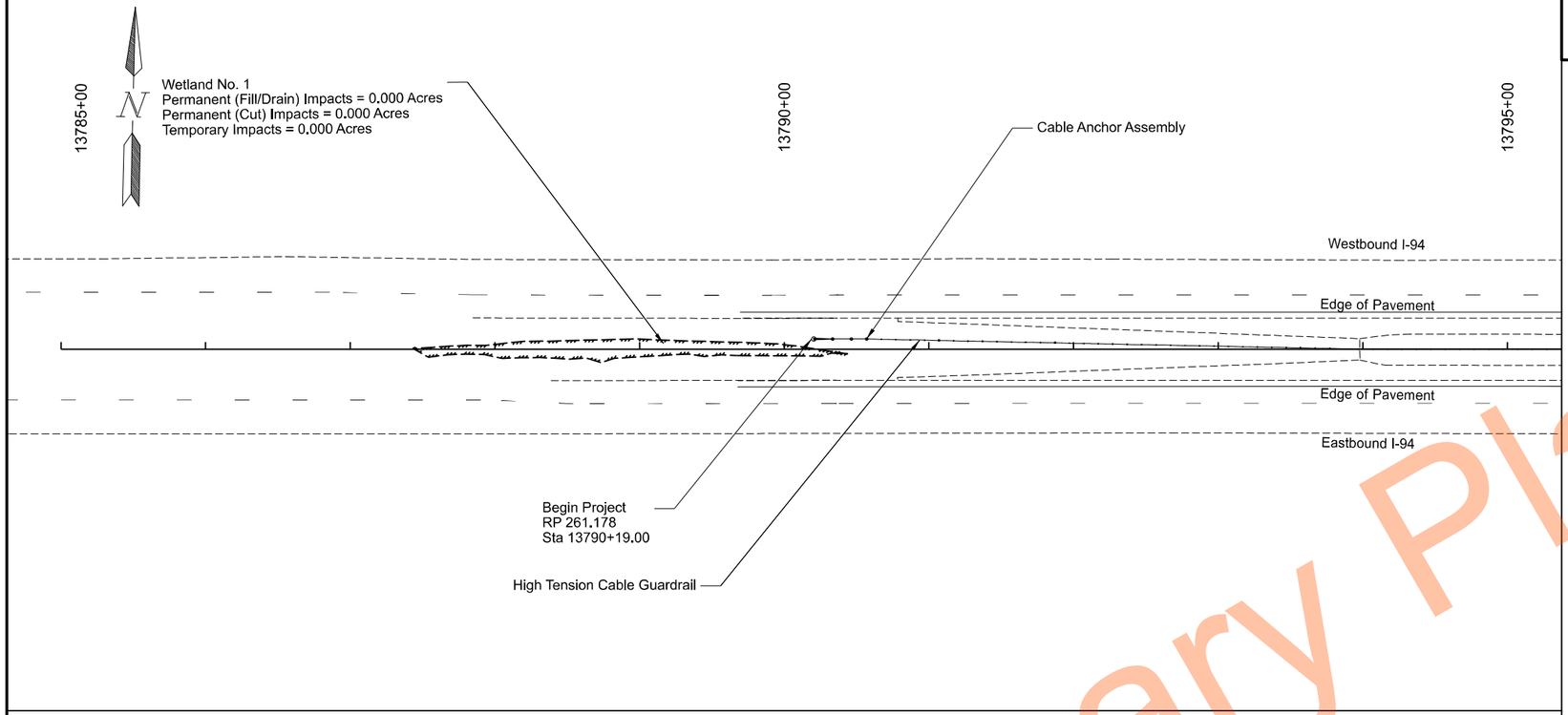
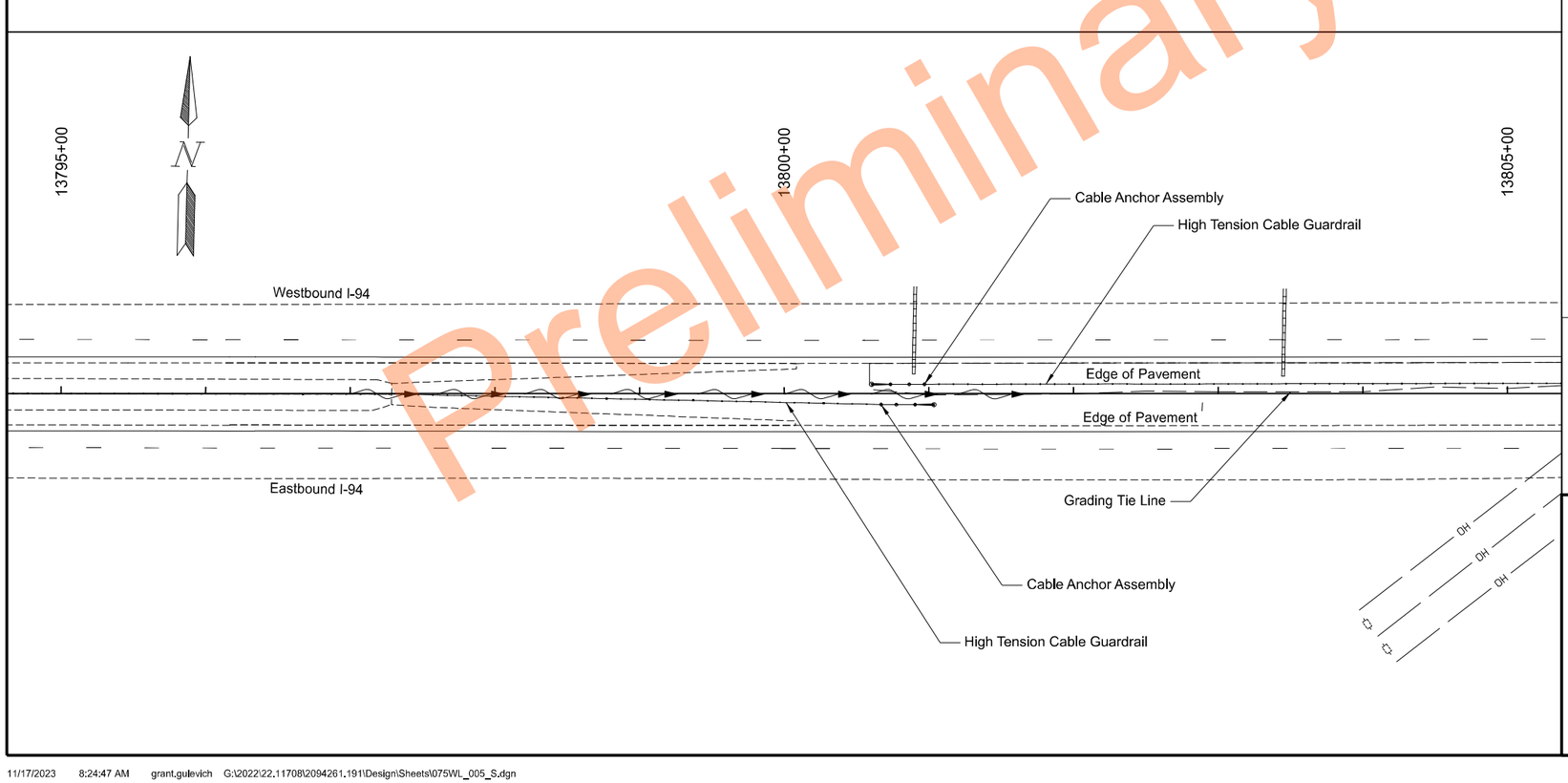
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	5





Legend

- Permanent (Fill/Drain) Wetland Impact
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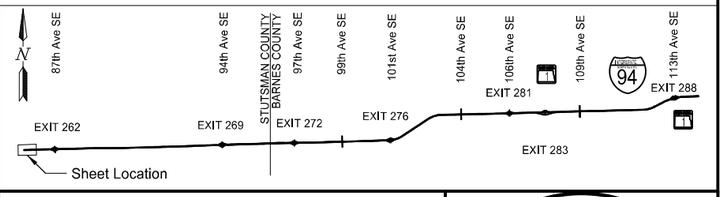

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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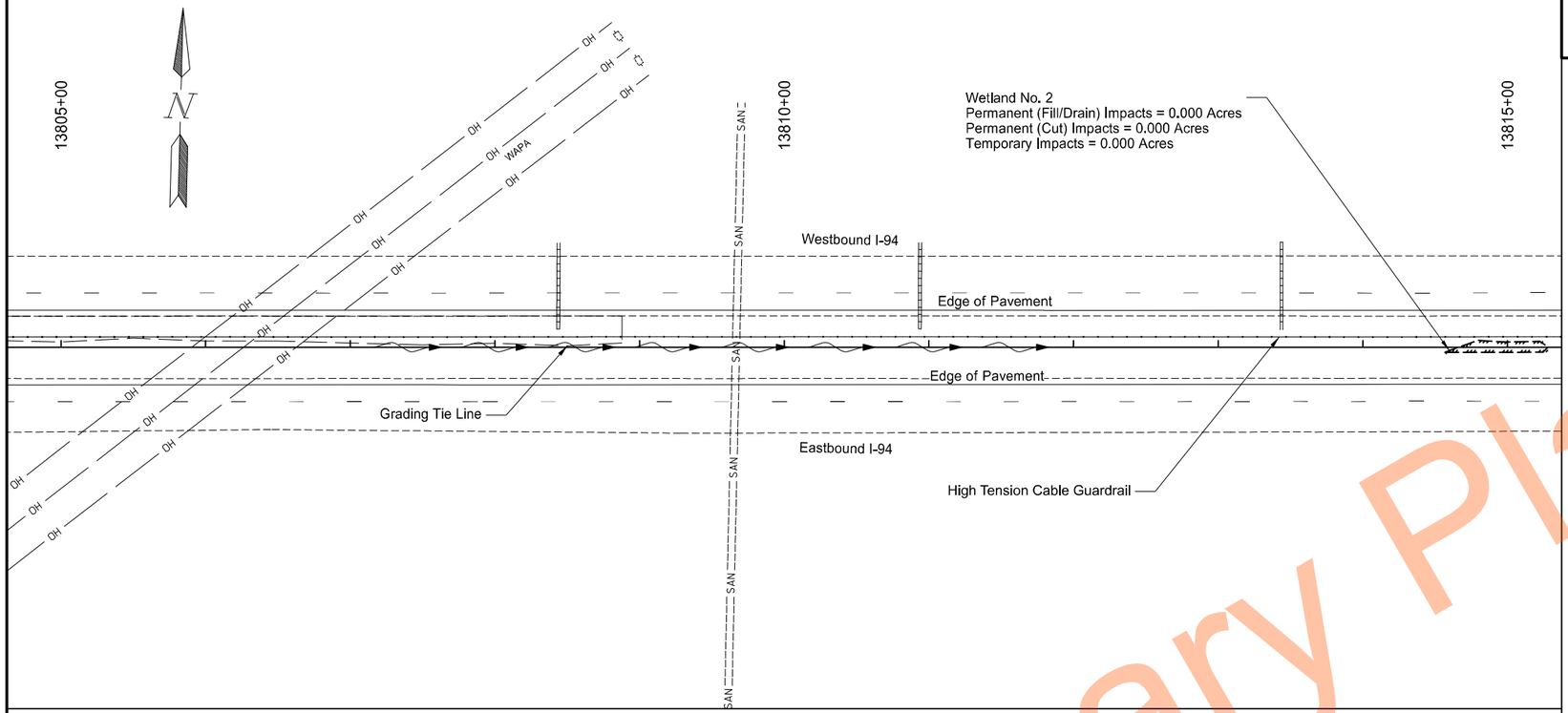
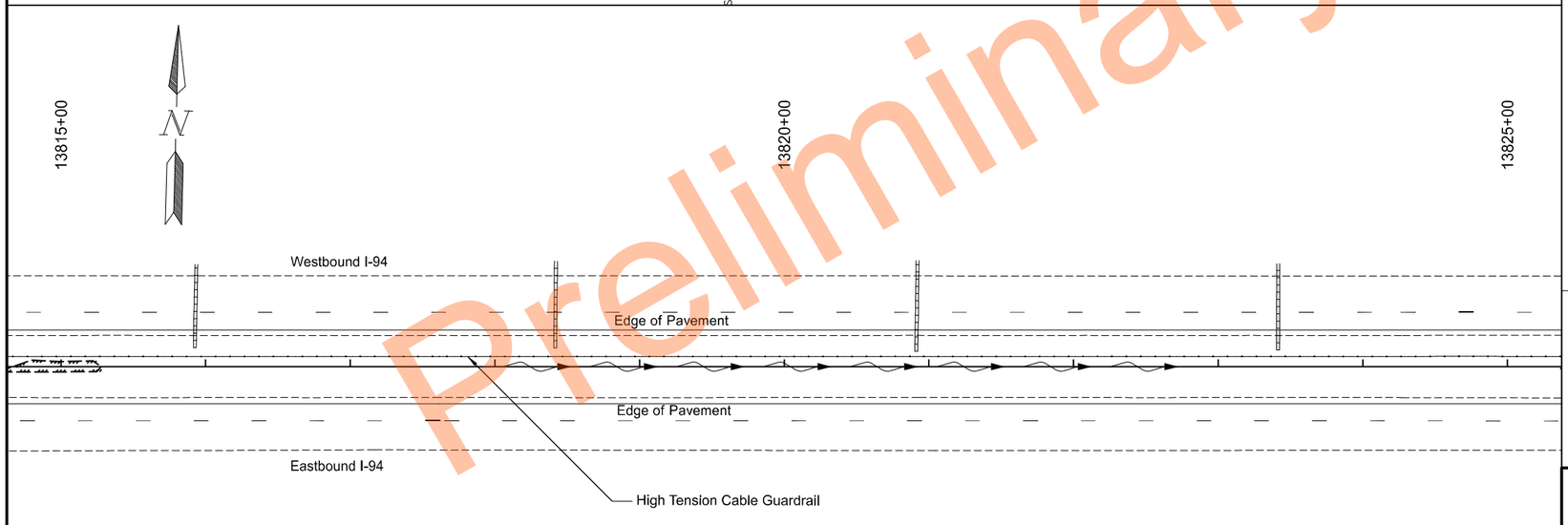
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	6





Preliminary Plans

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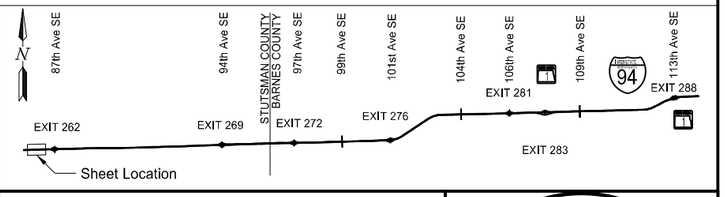

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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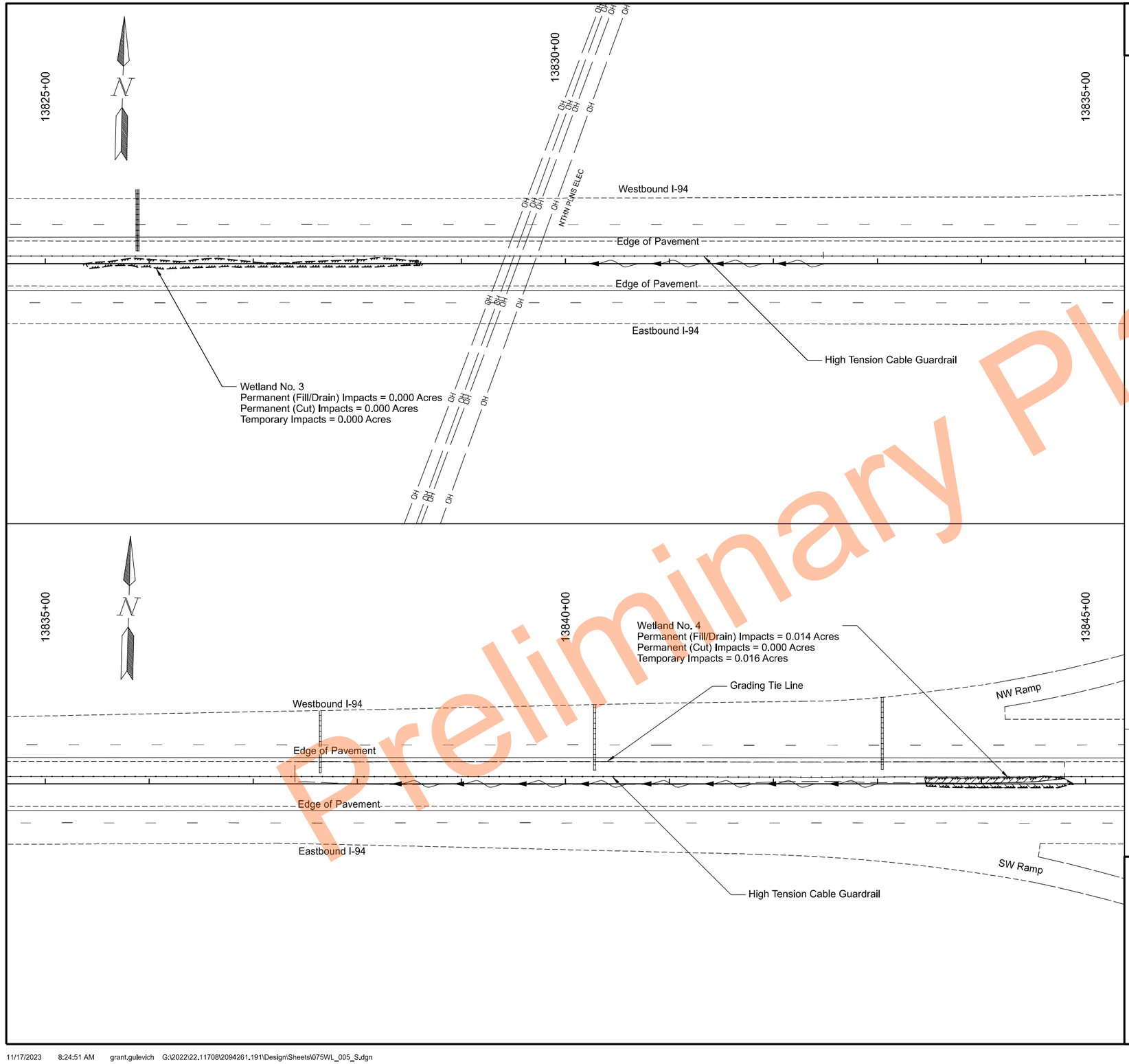
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	7



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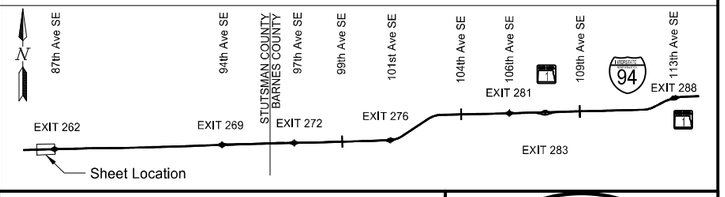

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

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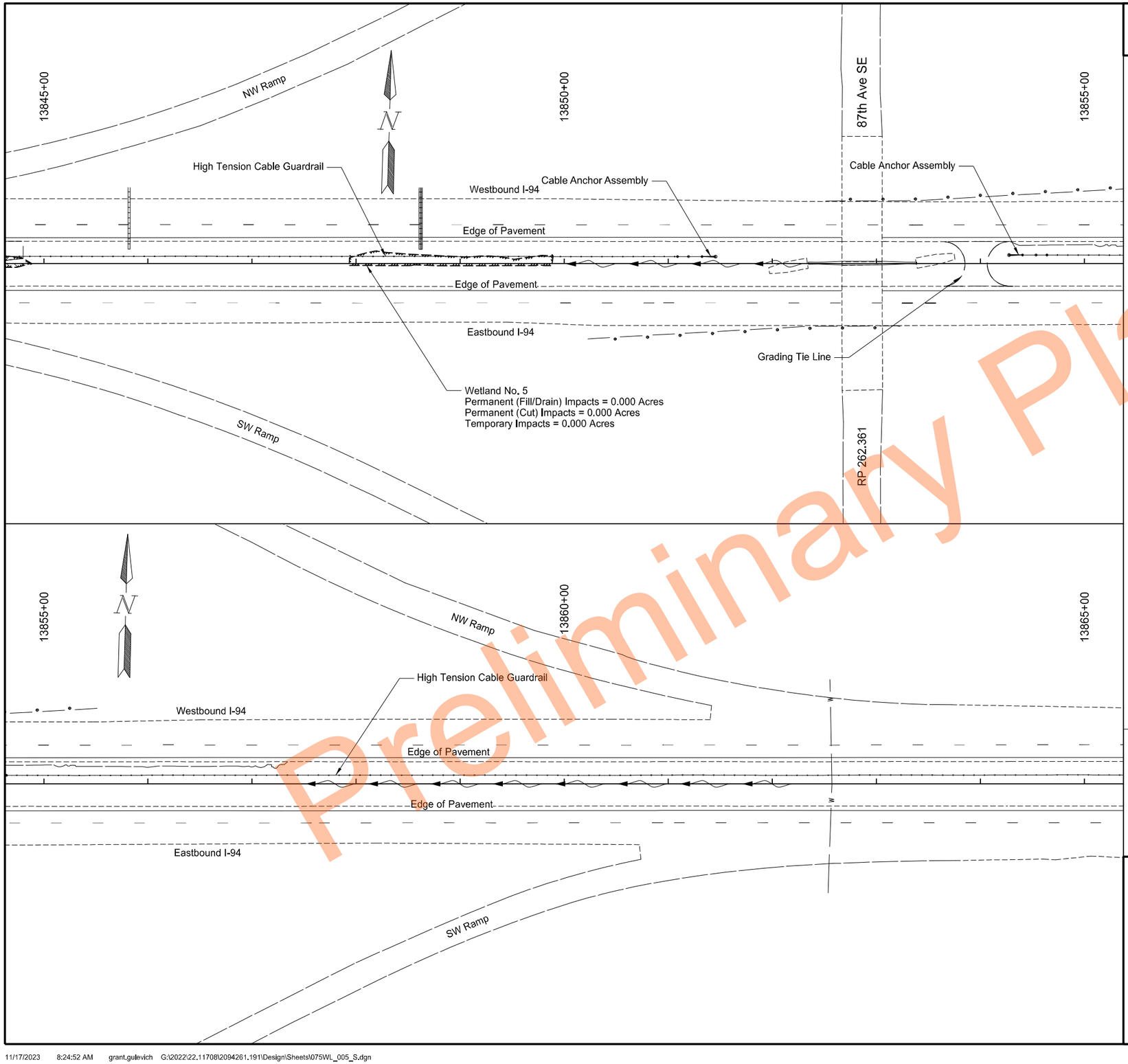
ND	HEN-2-094(191)261	75	8



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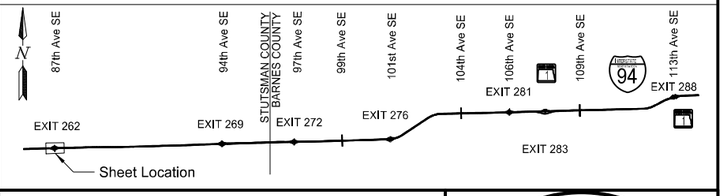

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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DATE 11/17/2023
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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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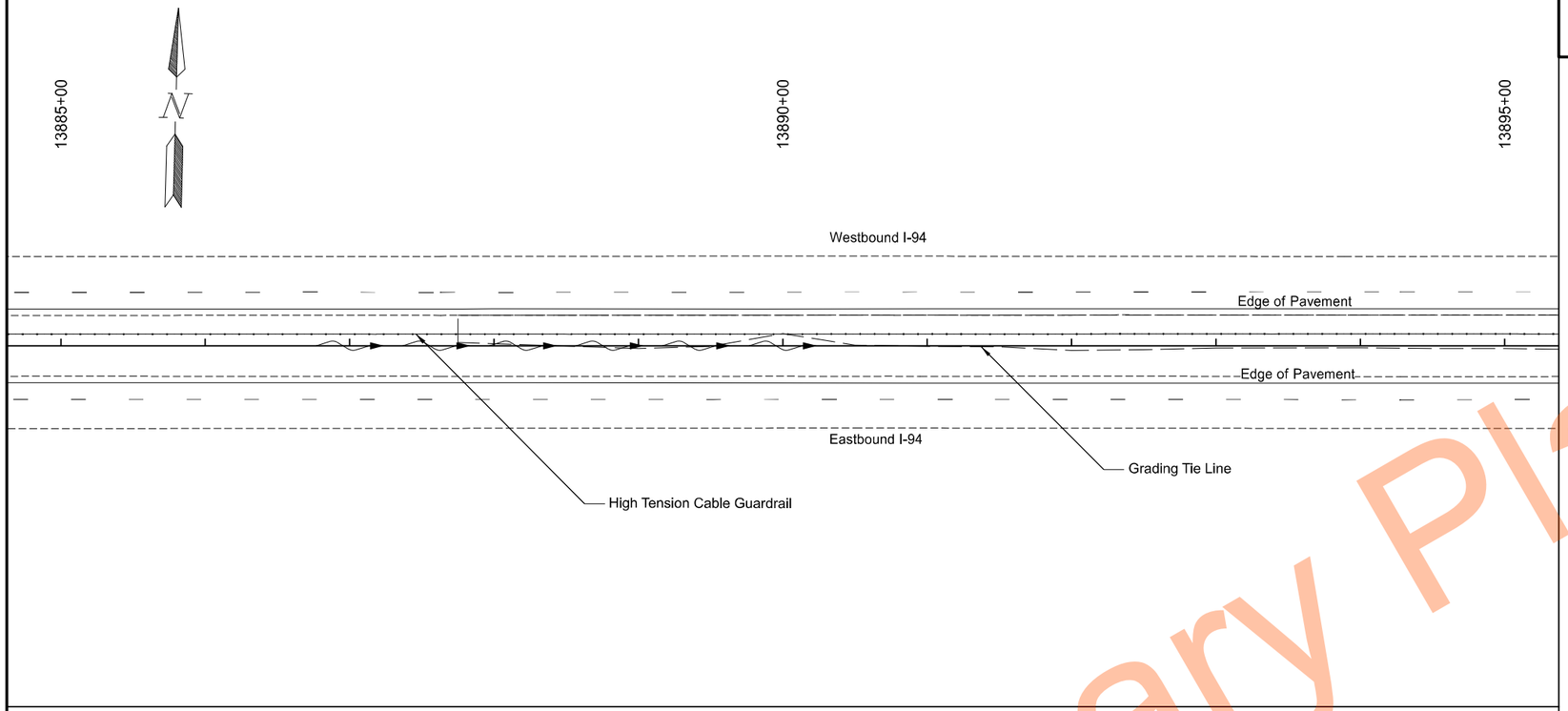

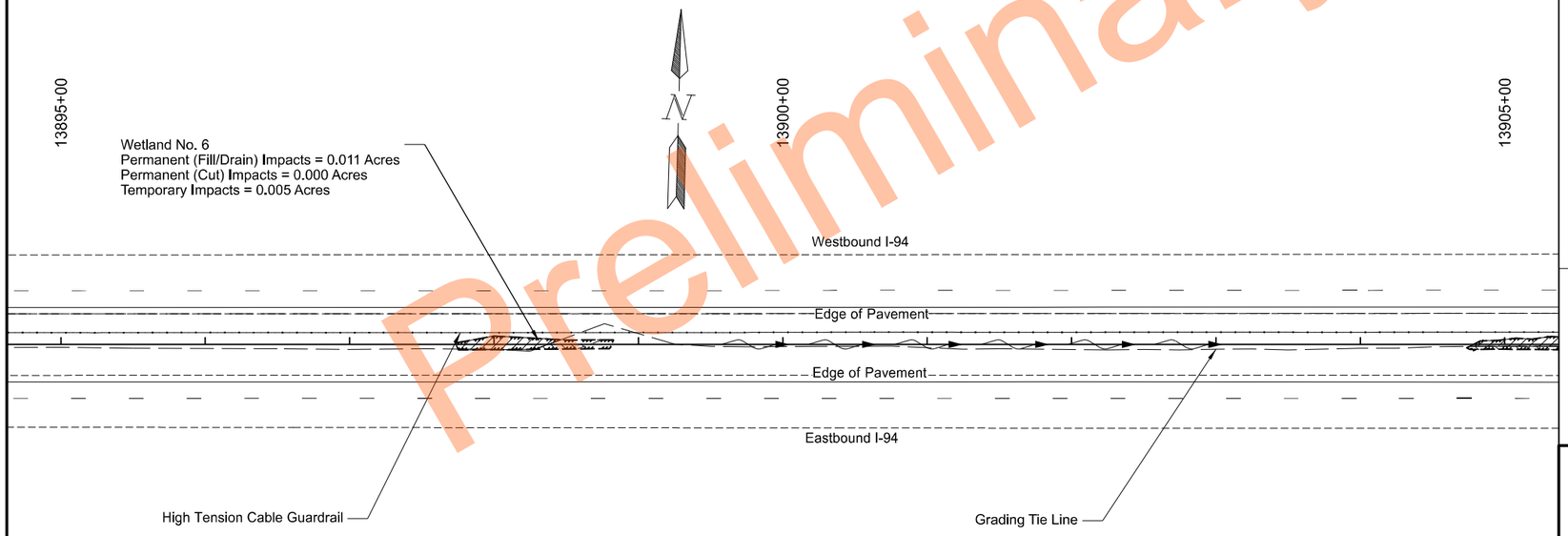

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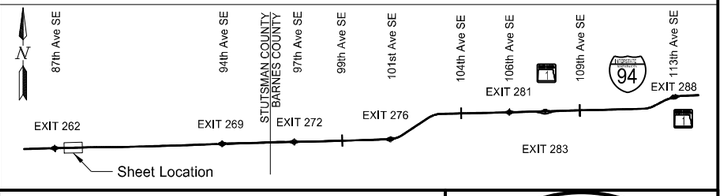

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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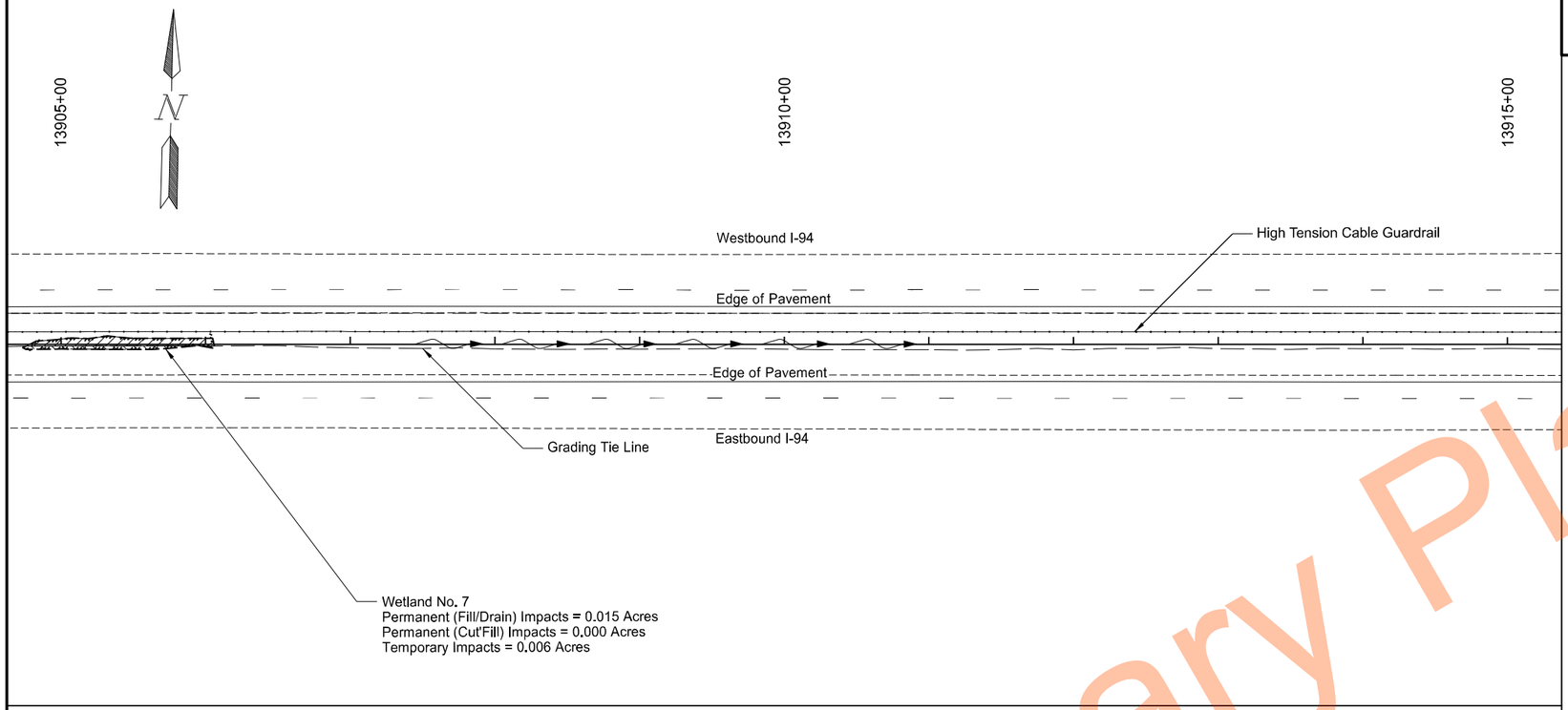
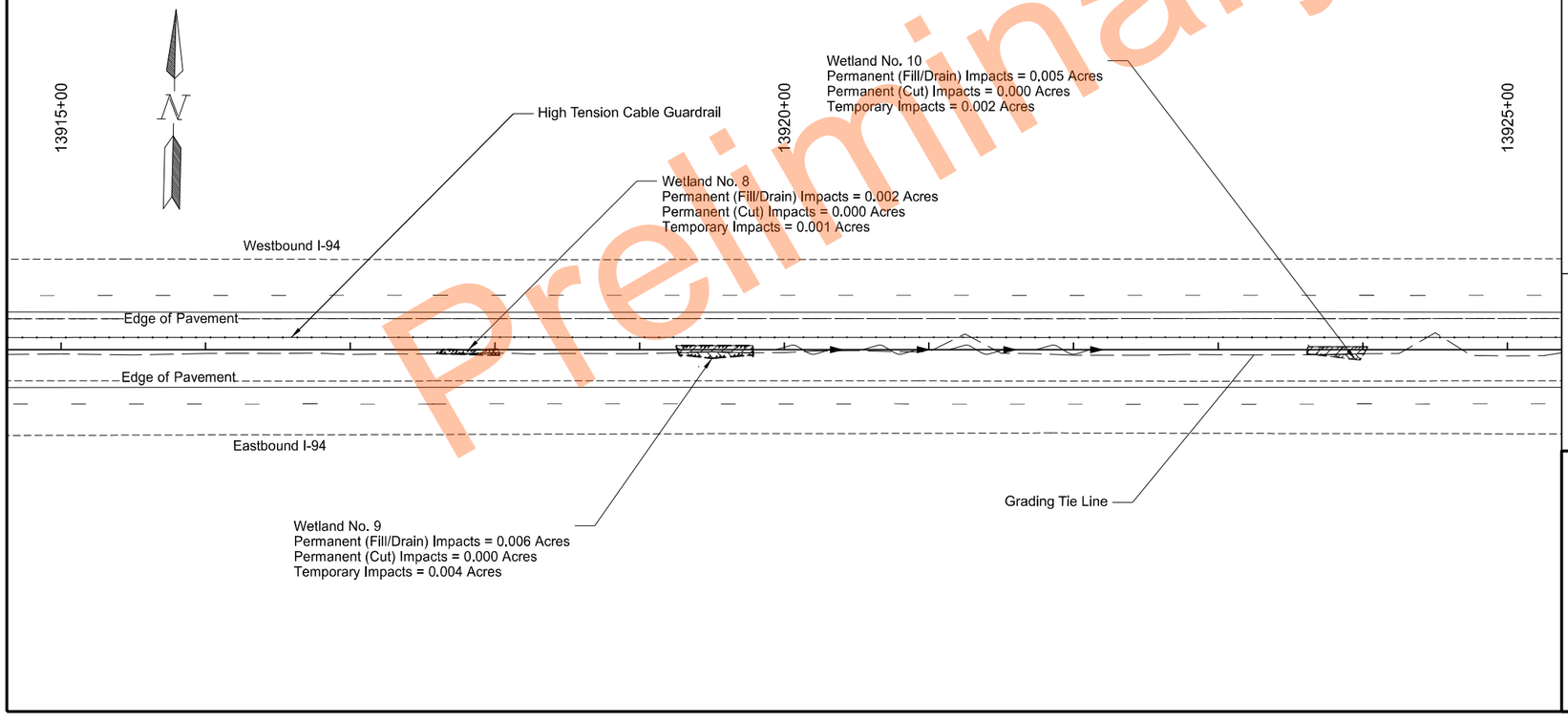
Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	10





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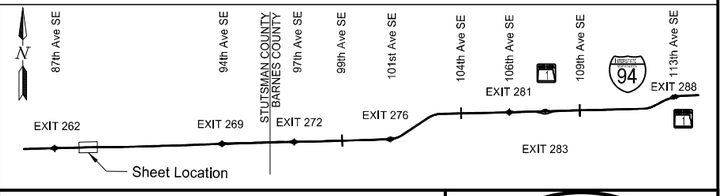

Wetland Impacts

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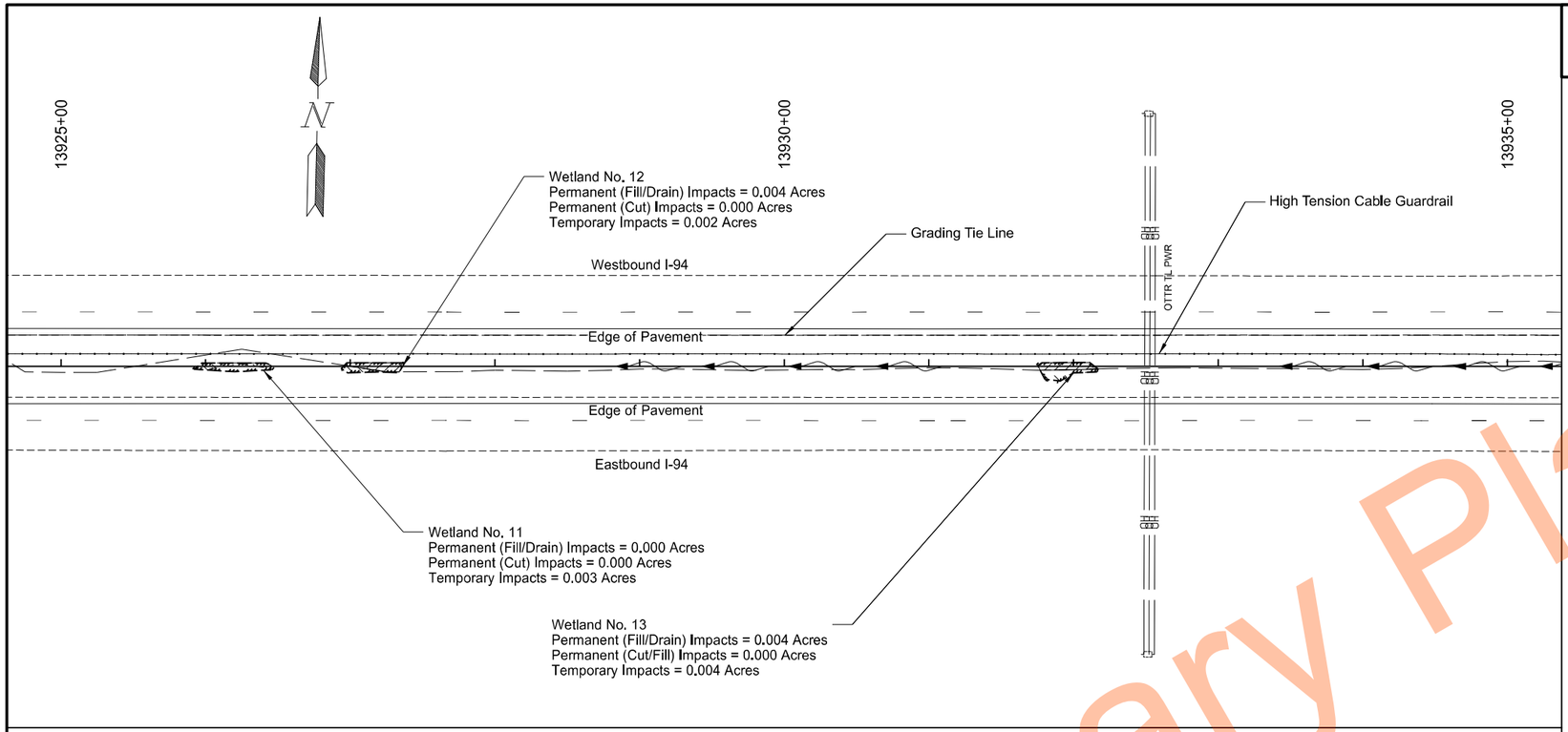
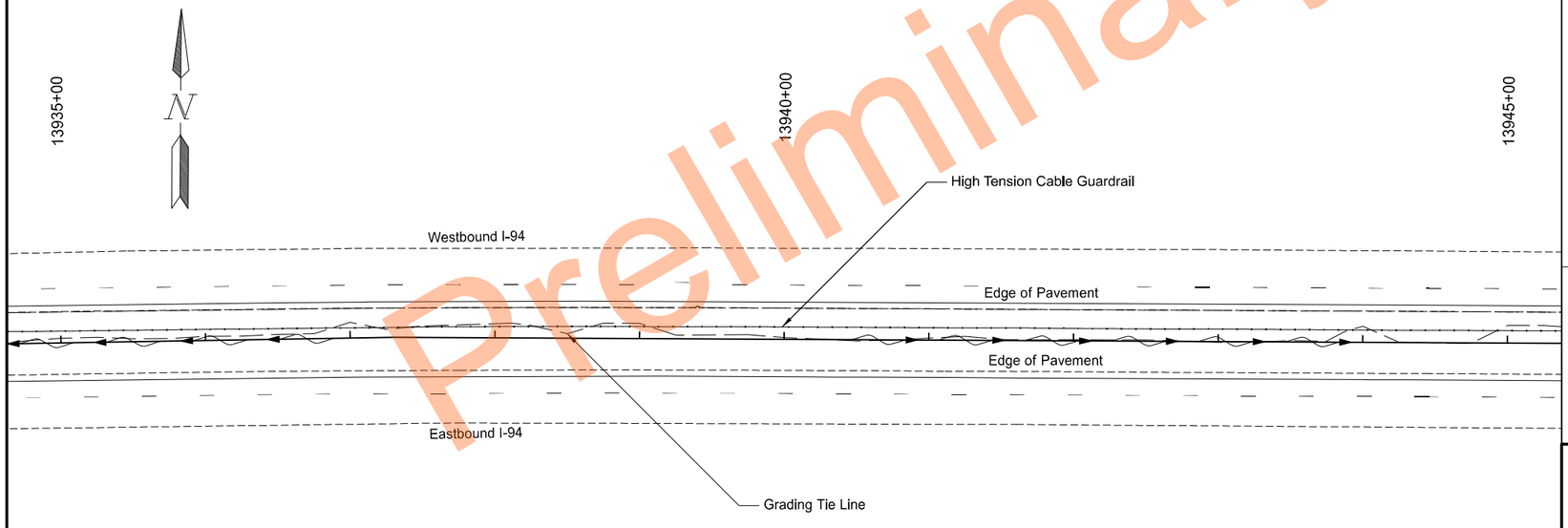
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	11





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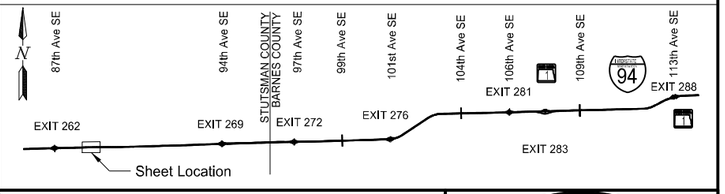

Wetland Impacts

High Tension Median Cable Guardrail

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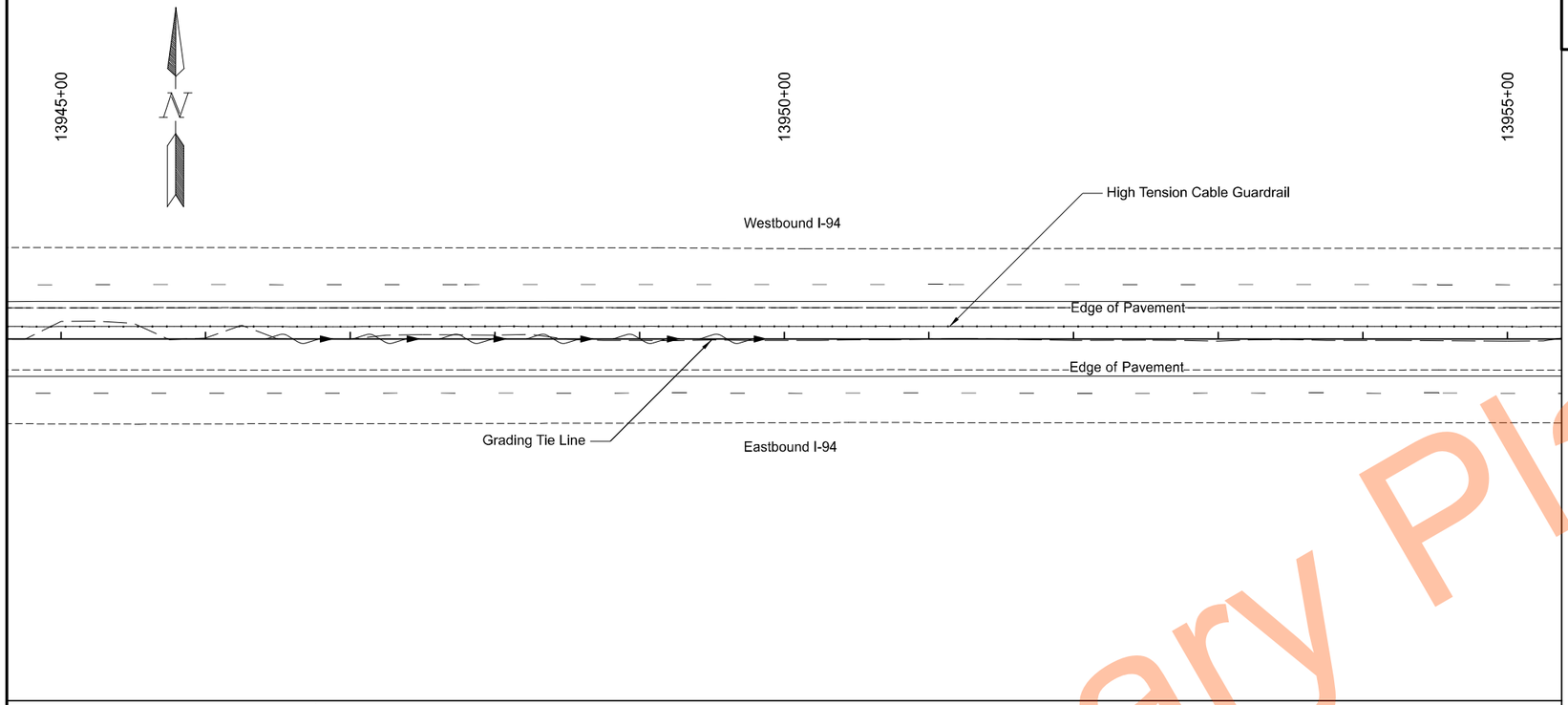
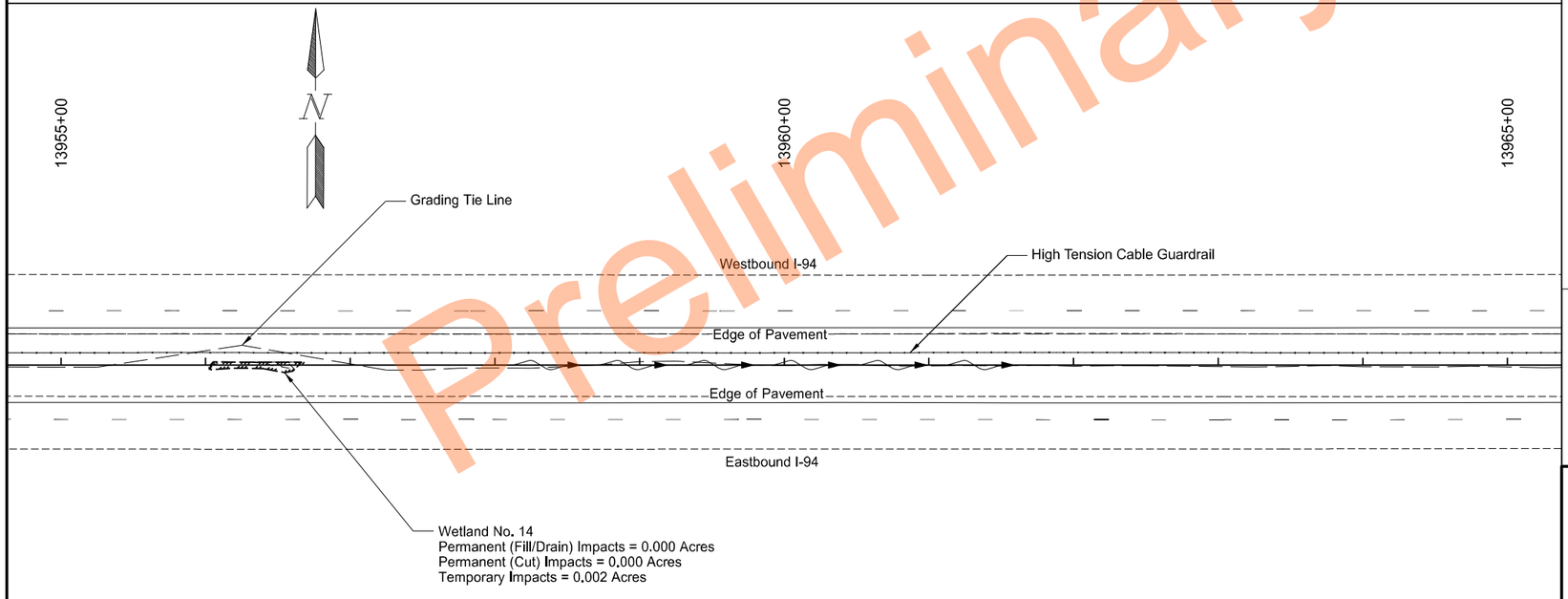
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	12





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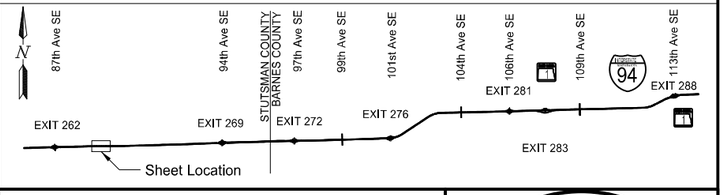

Wetland Impacts

High Tension Median Cable Guardrail

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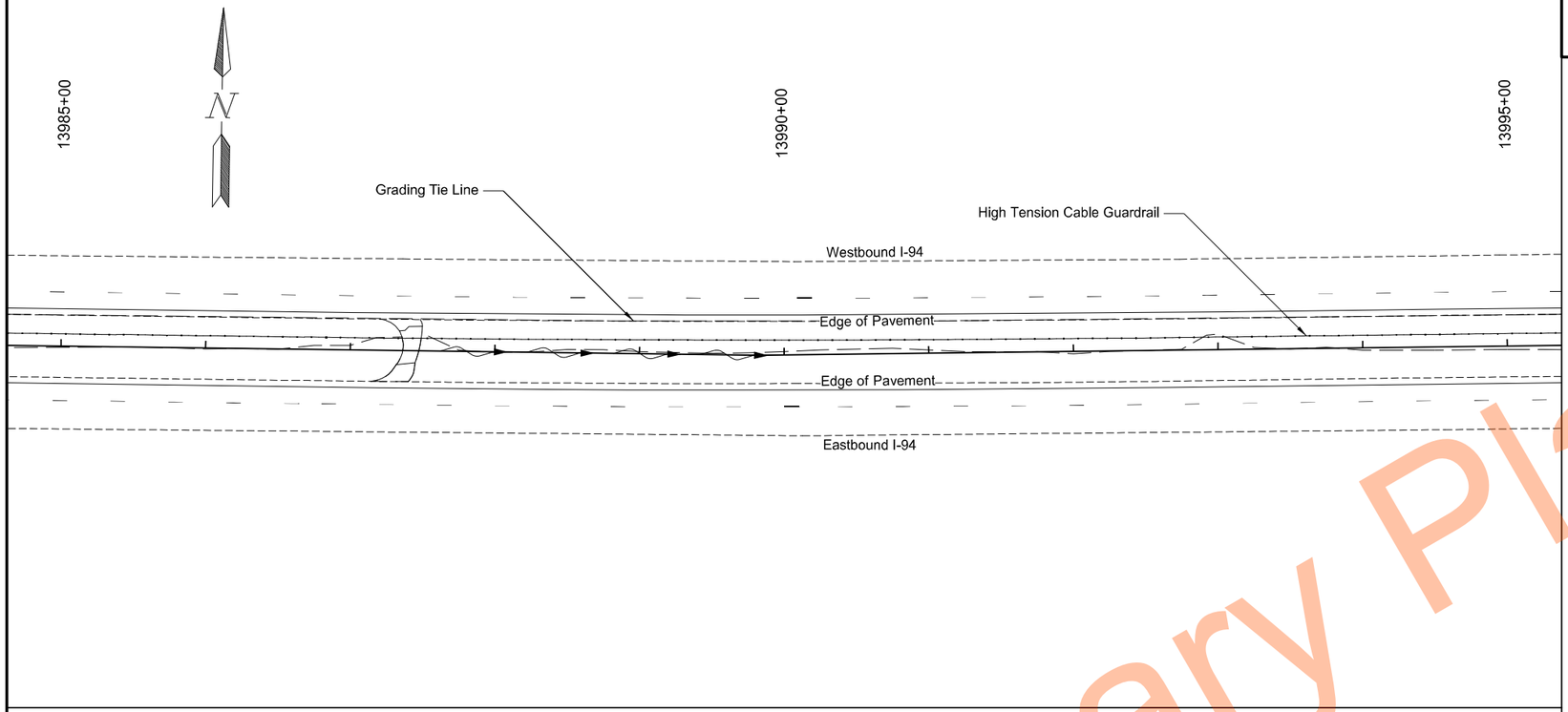
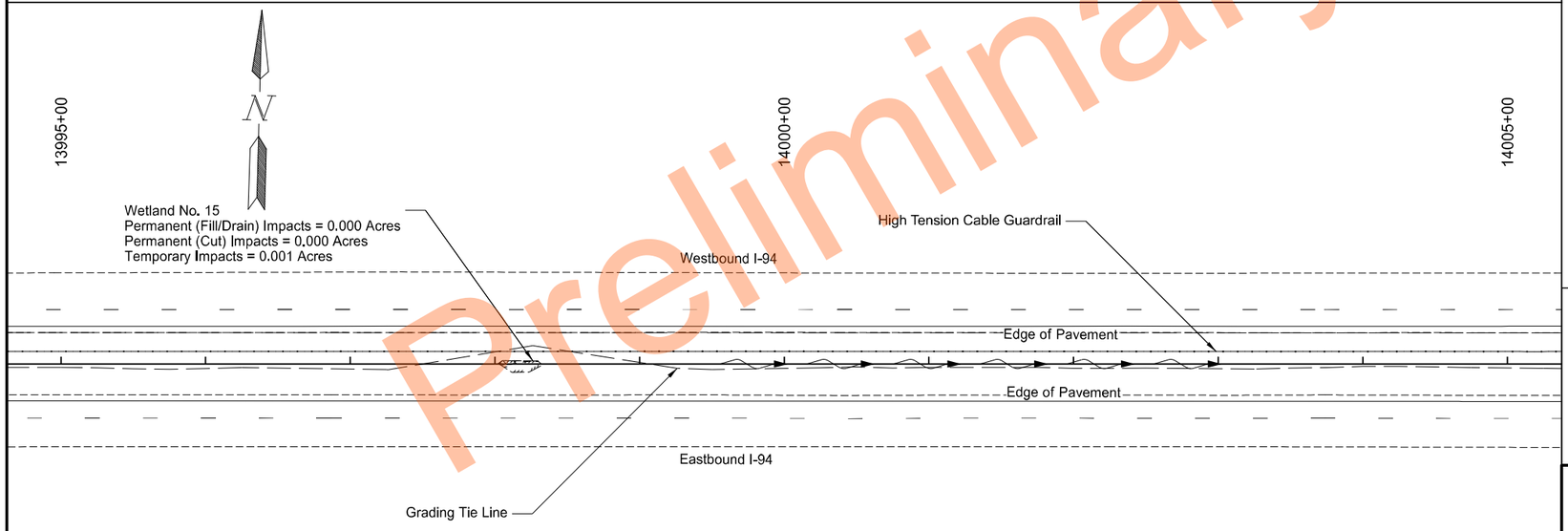
Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	13





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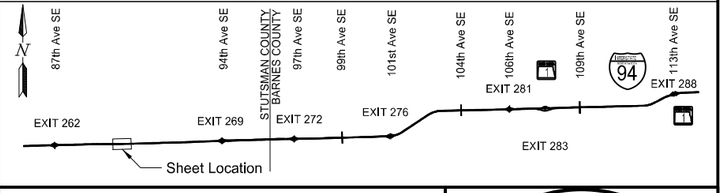

Wetland Impacts

High Tension Median Cable Guardrail

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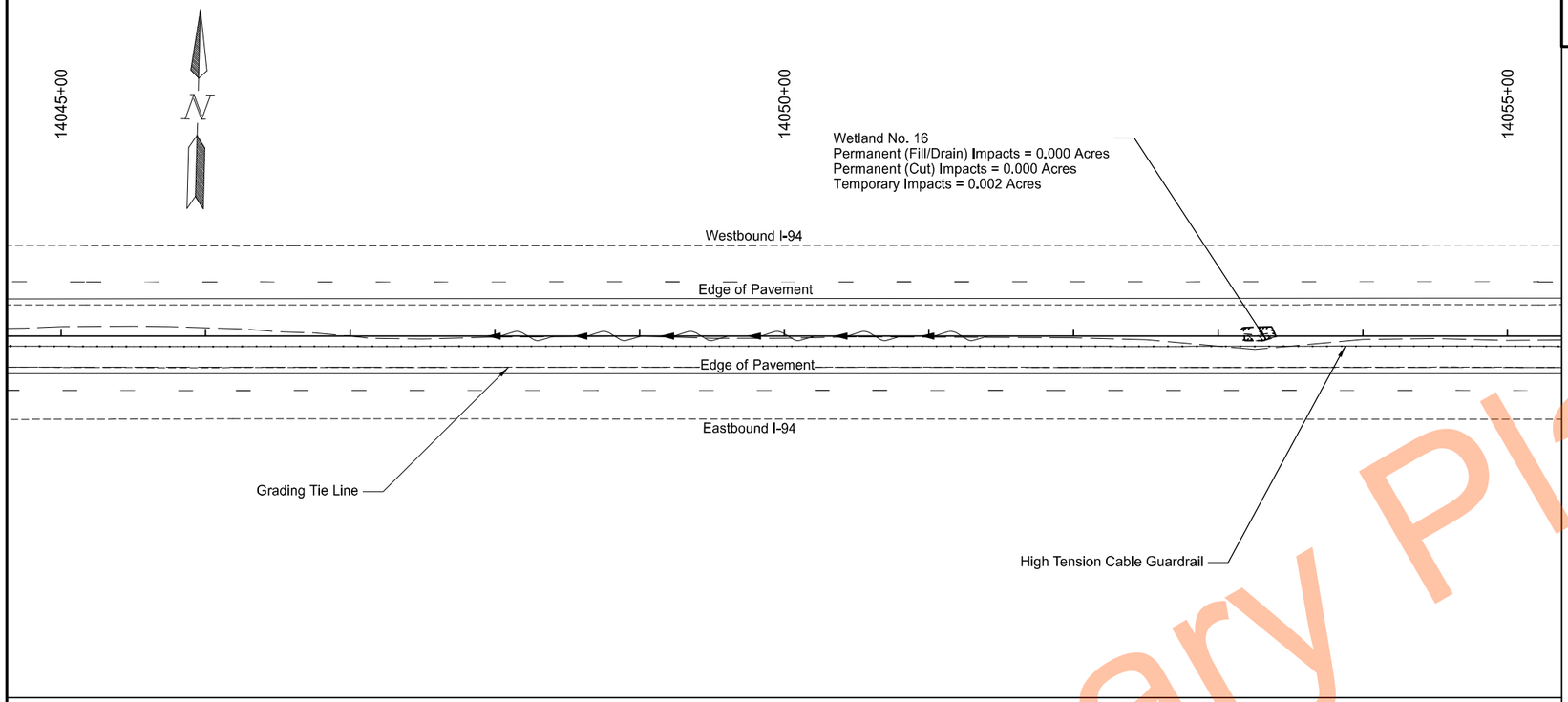
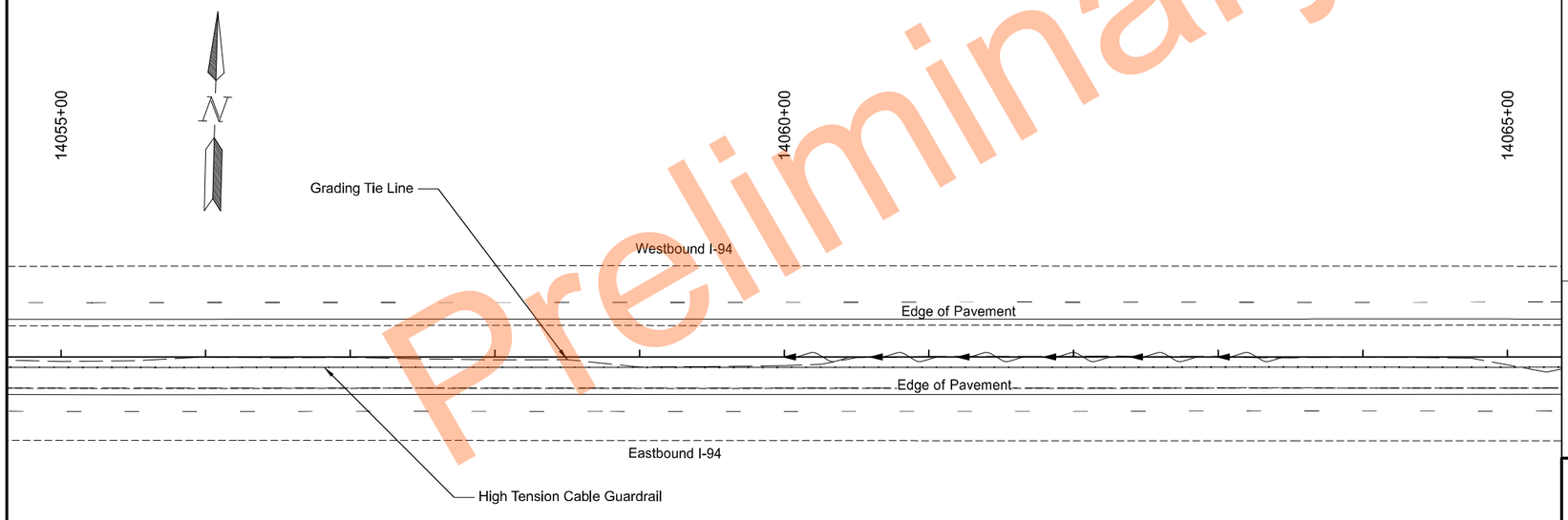
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	14

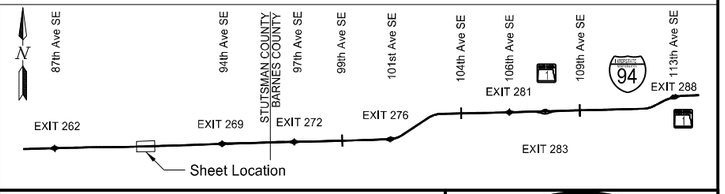




Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
- Temporary Wetland Impact
- Existing Wetland Boundary
- Grading Tie Line - Fill
- Grading Tie Line - Cut
- Existing Flow Line



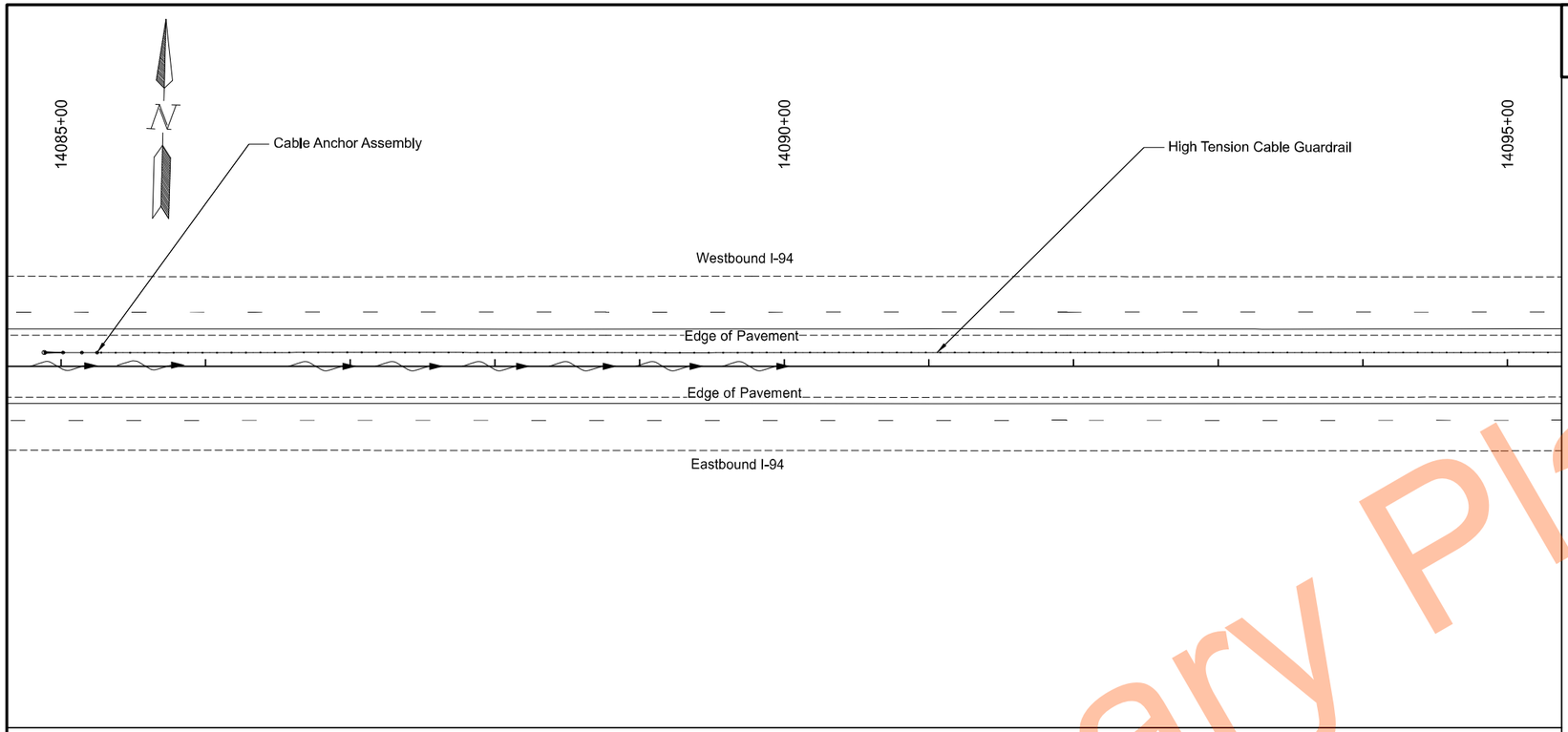
Wetland Impacts

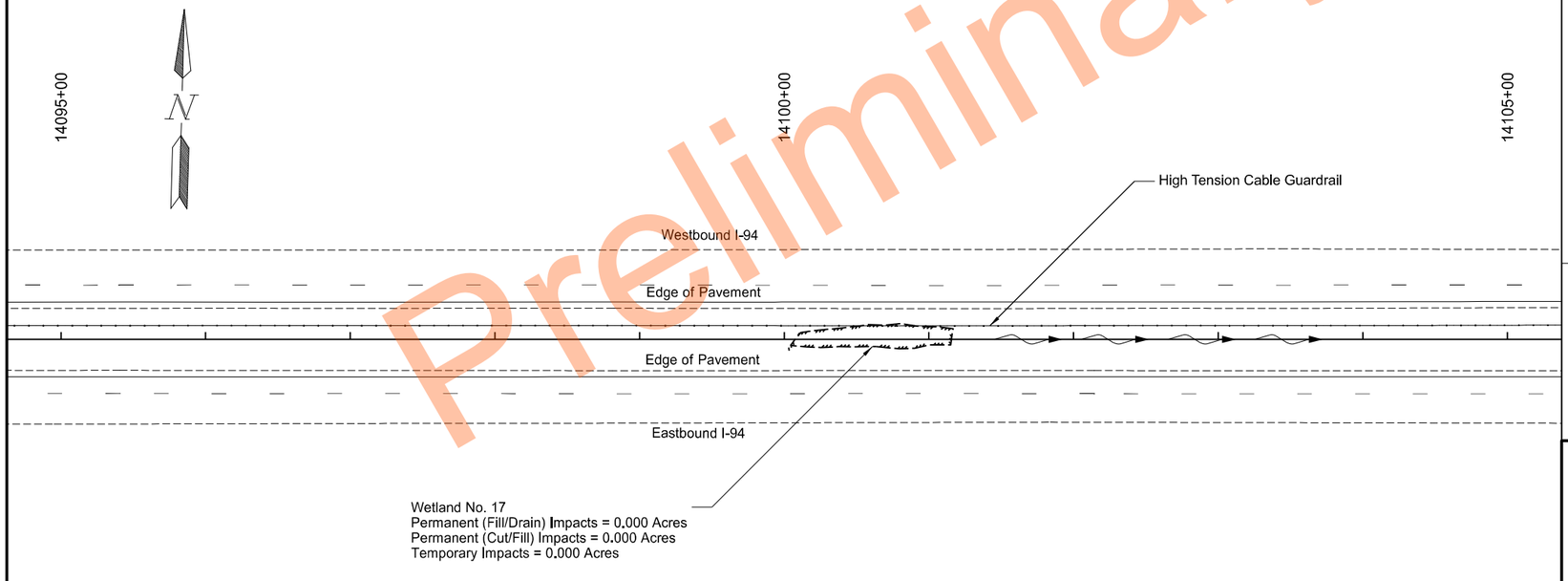
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	15





Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
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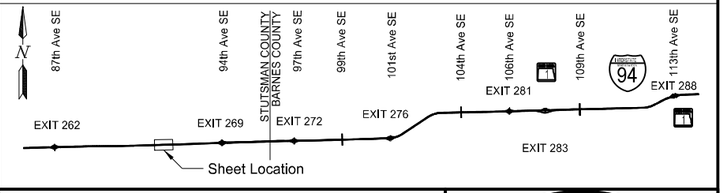


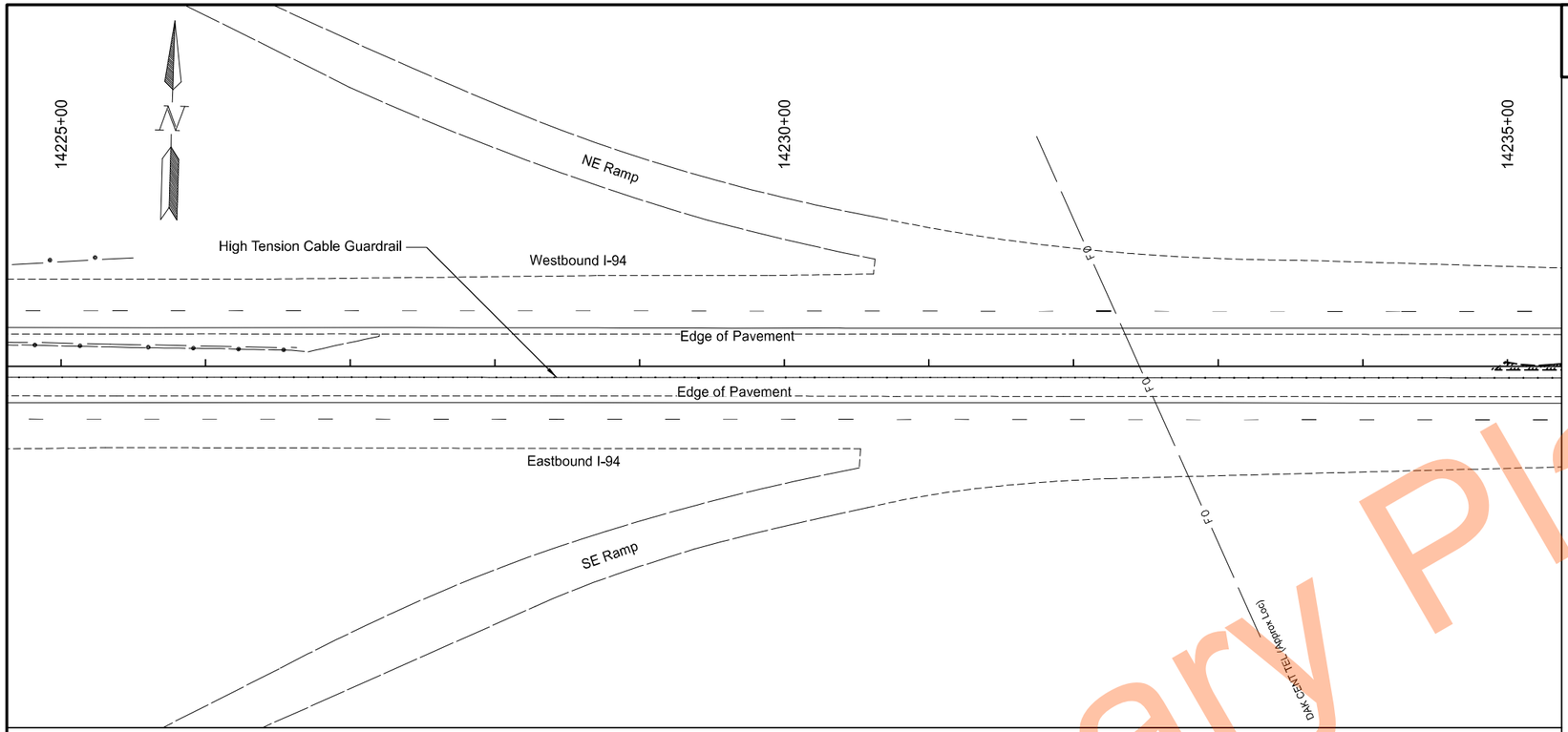
Wetland Impacts

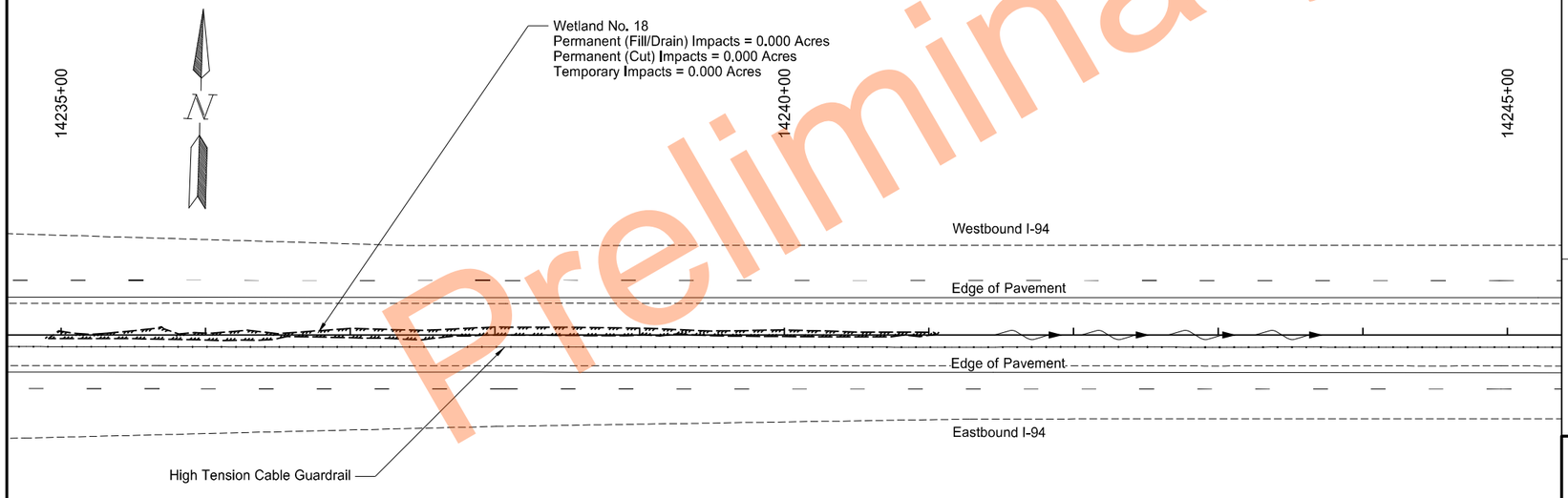
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	16





Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
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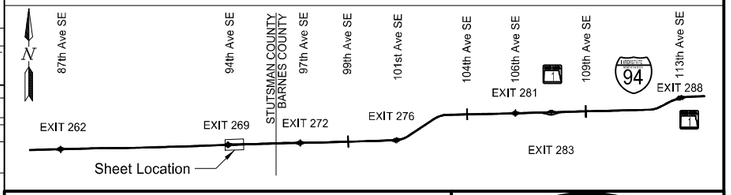

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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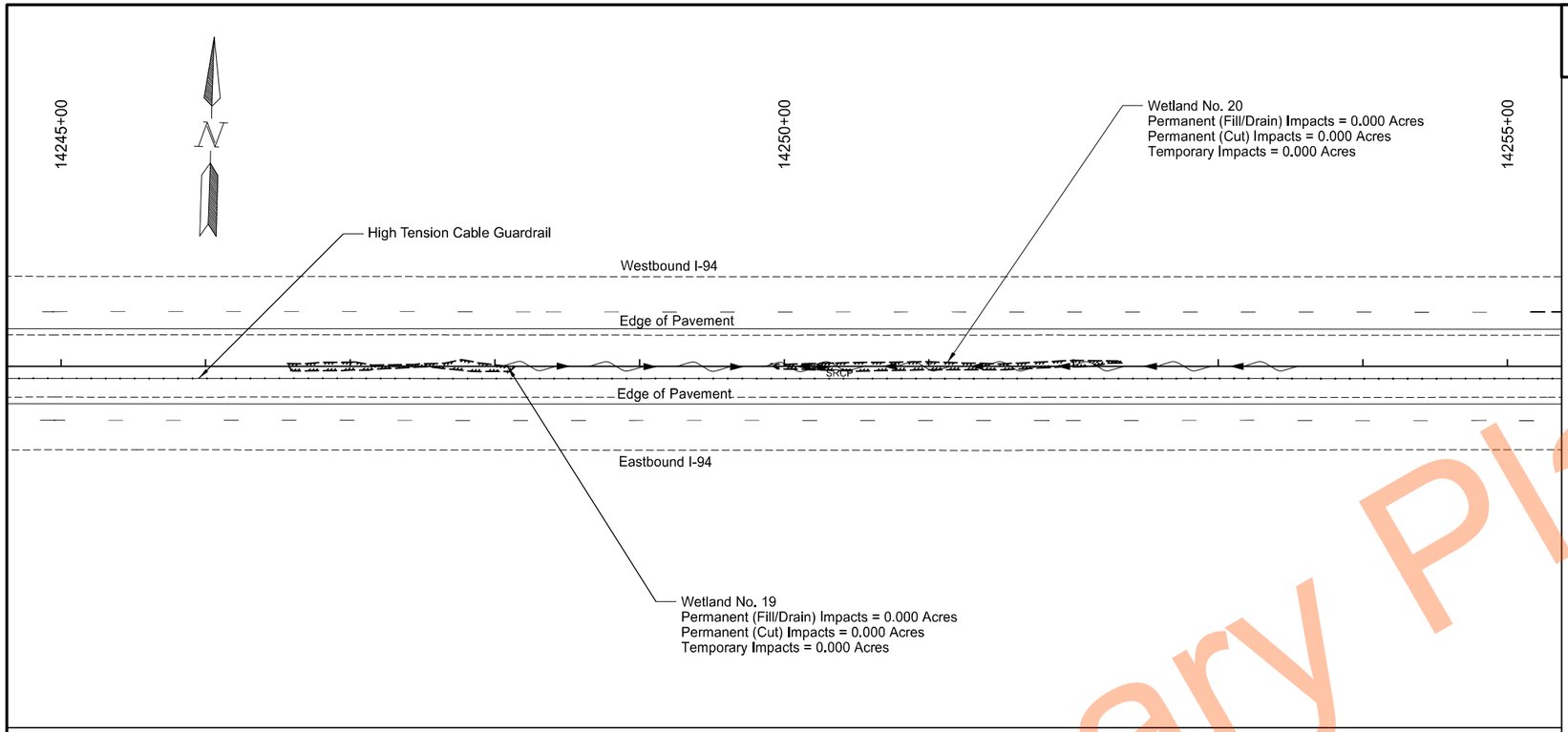
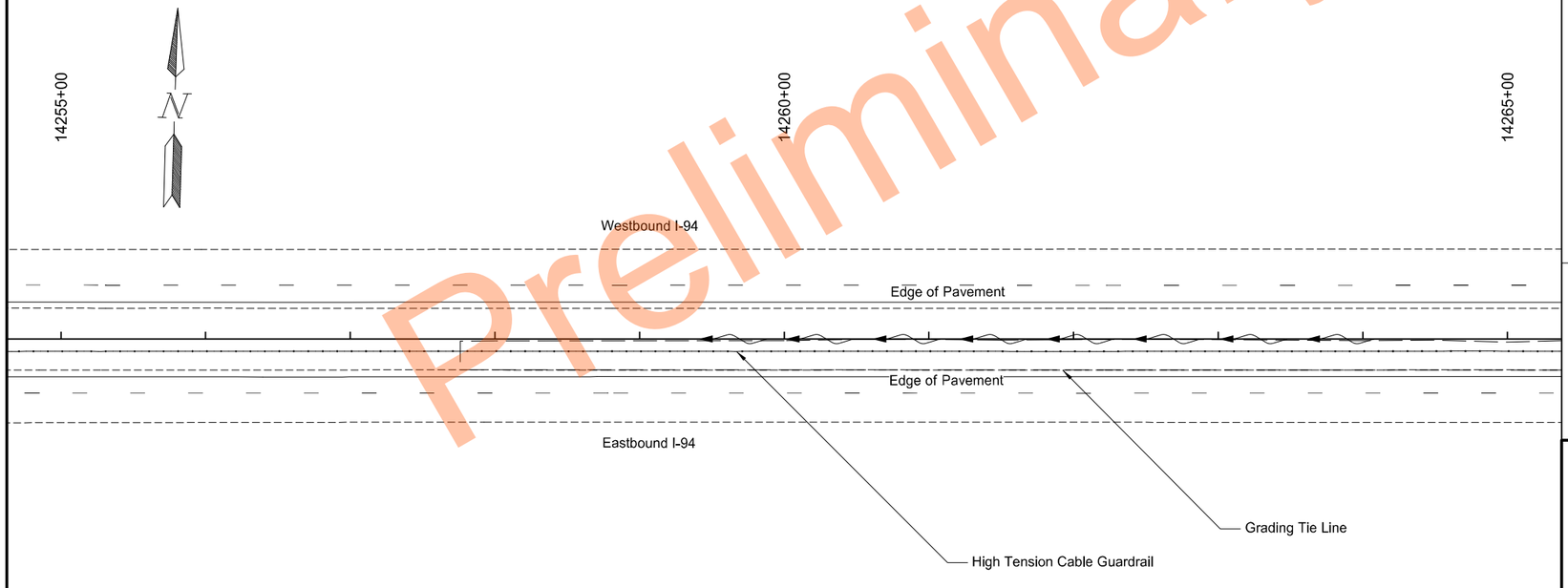
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	17





Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
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- Grading Tie Line - Cut
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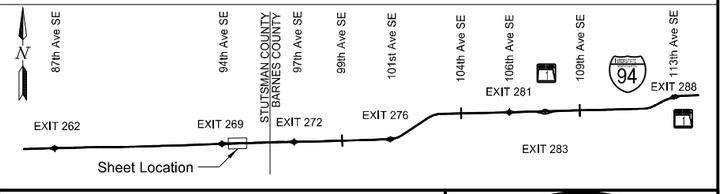

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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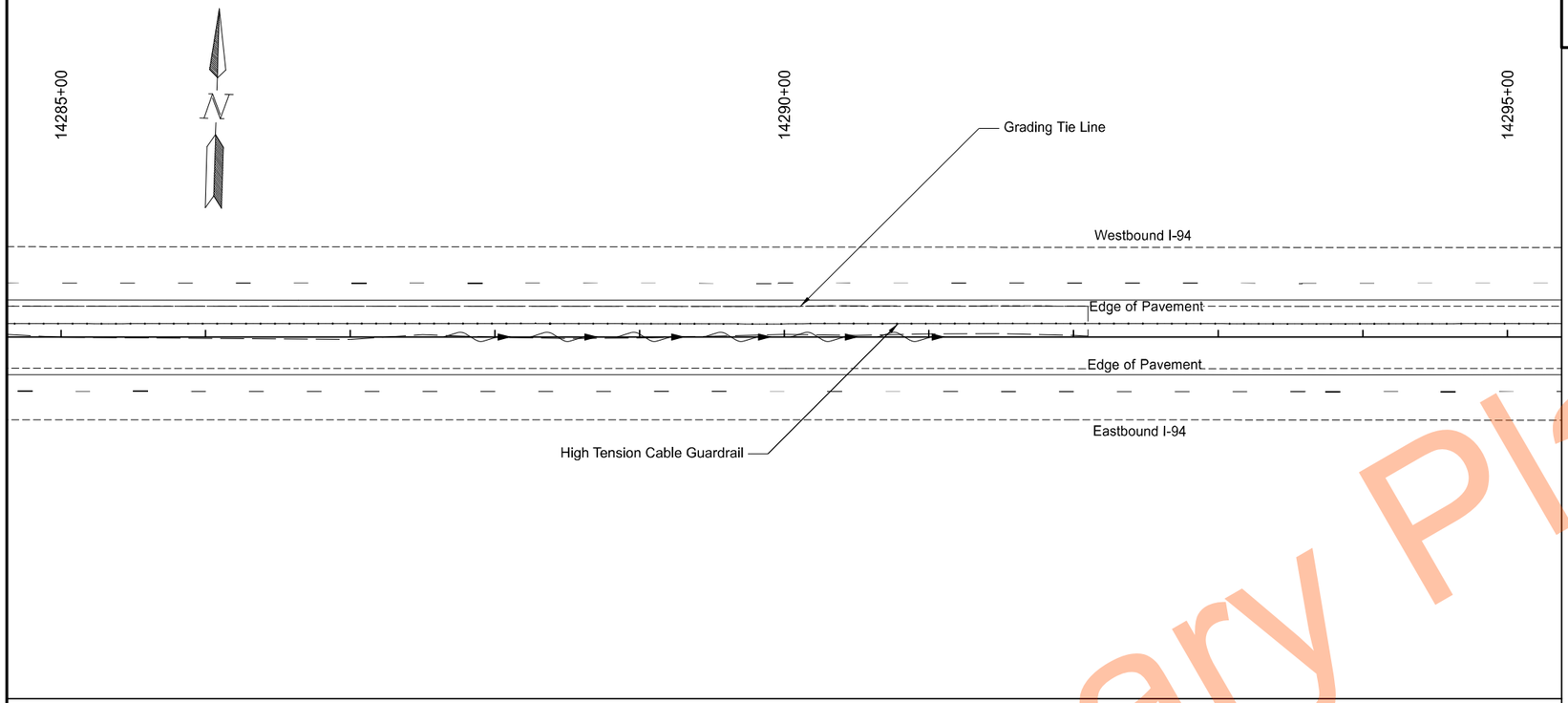
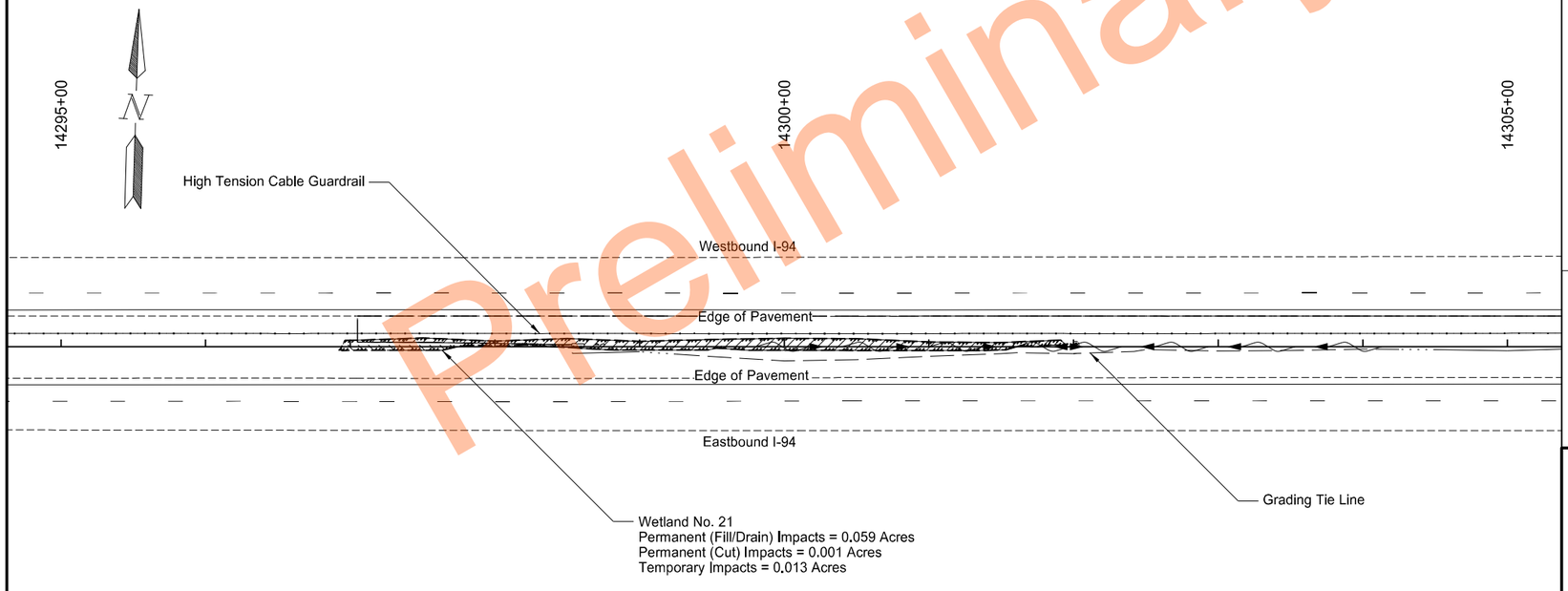
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	18





Legend

- Permanent (Fill/Drain) Wetland Impact
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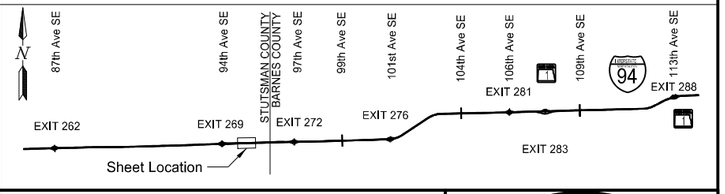


Wetland Impacts

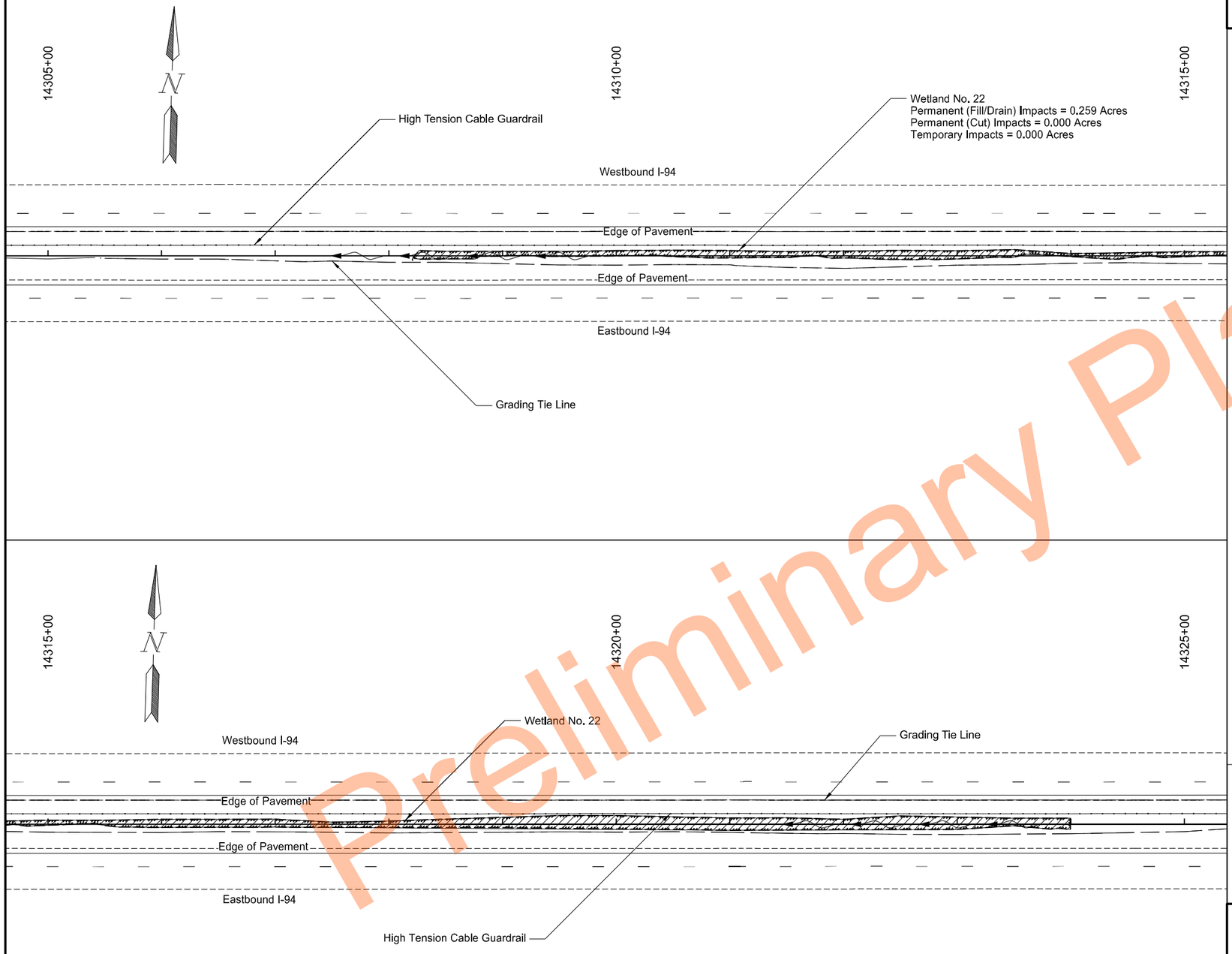
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	19



Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
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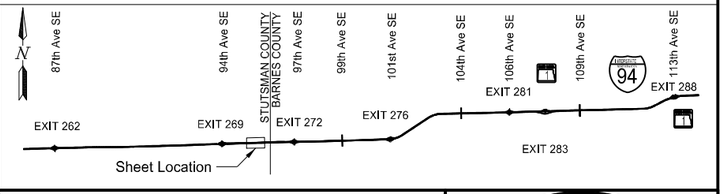


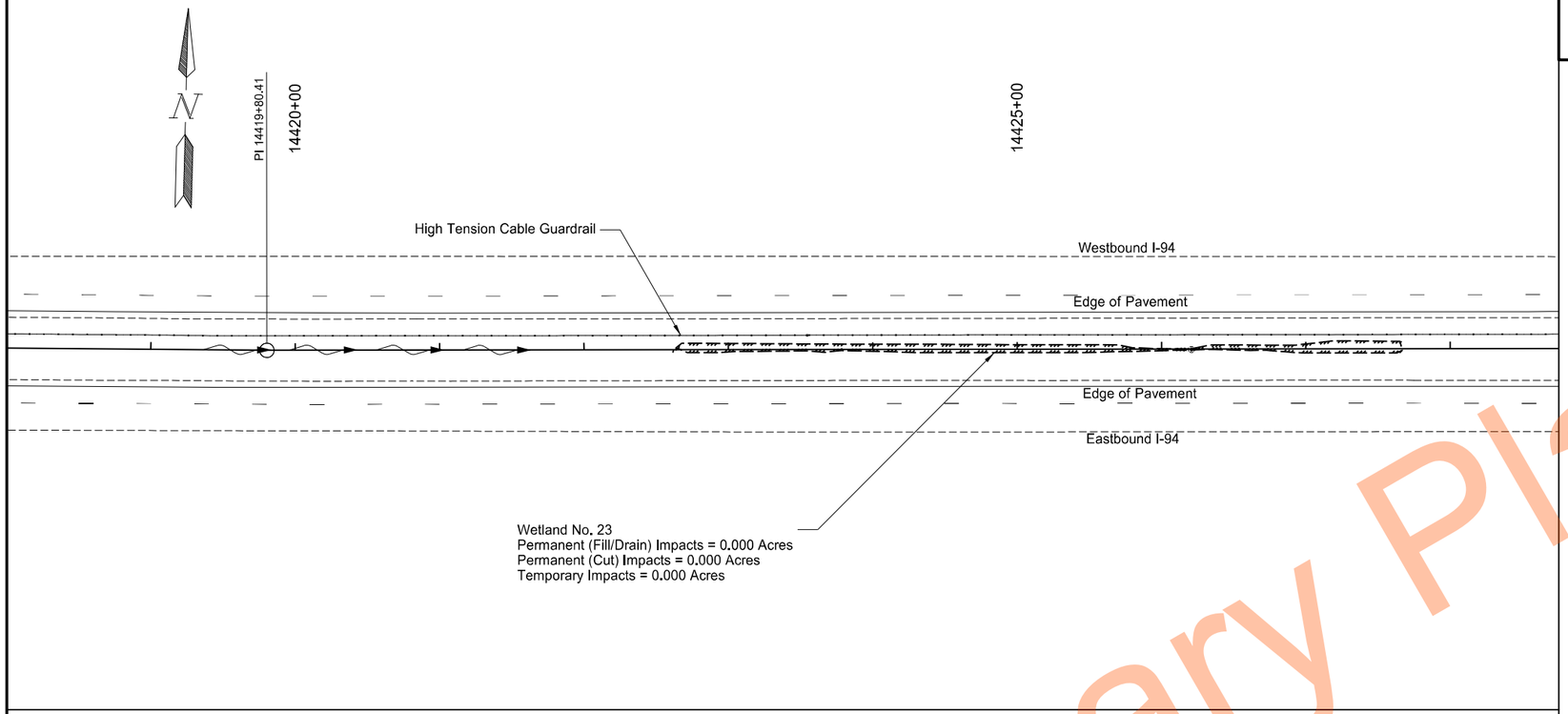
Wetland Impacts

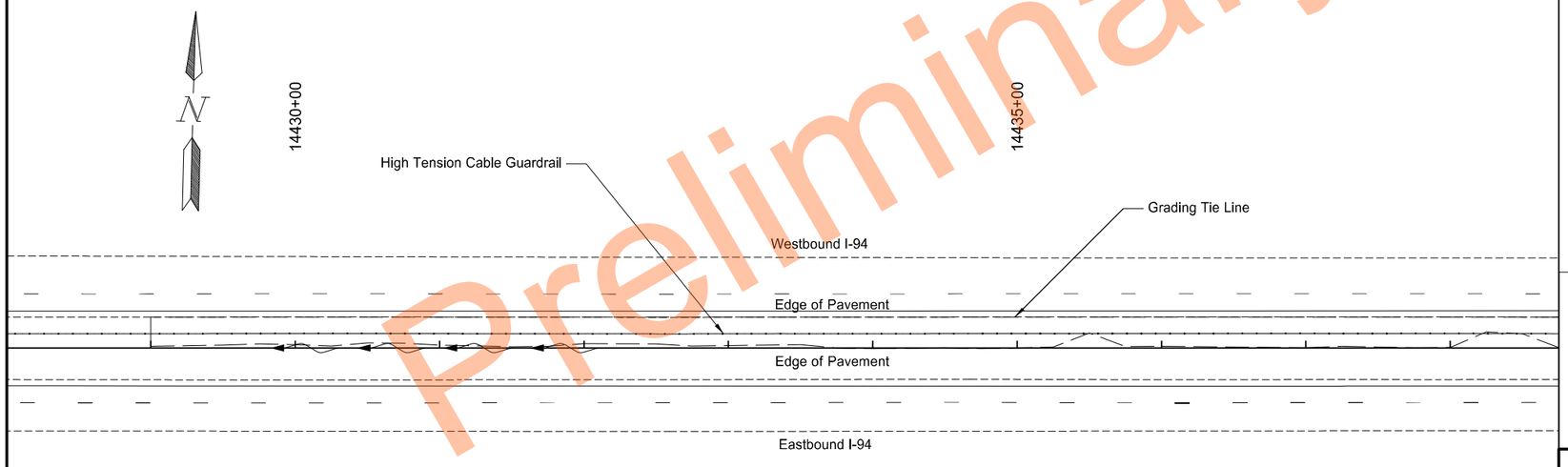
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	20





Legend

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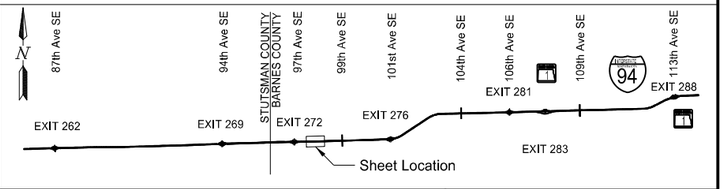


Wetland Impacts

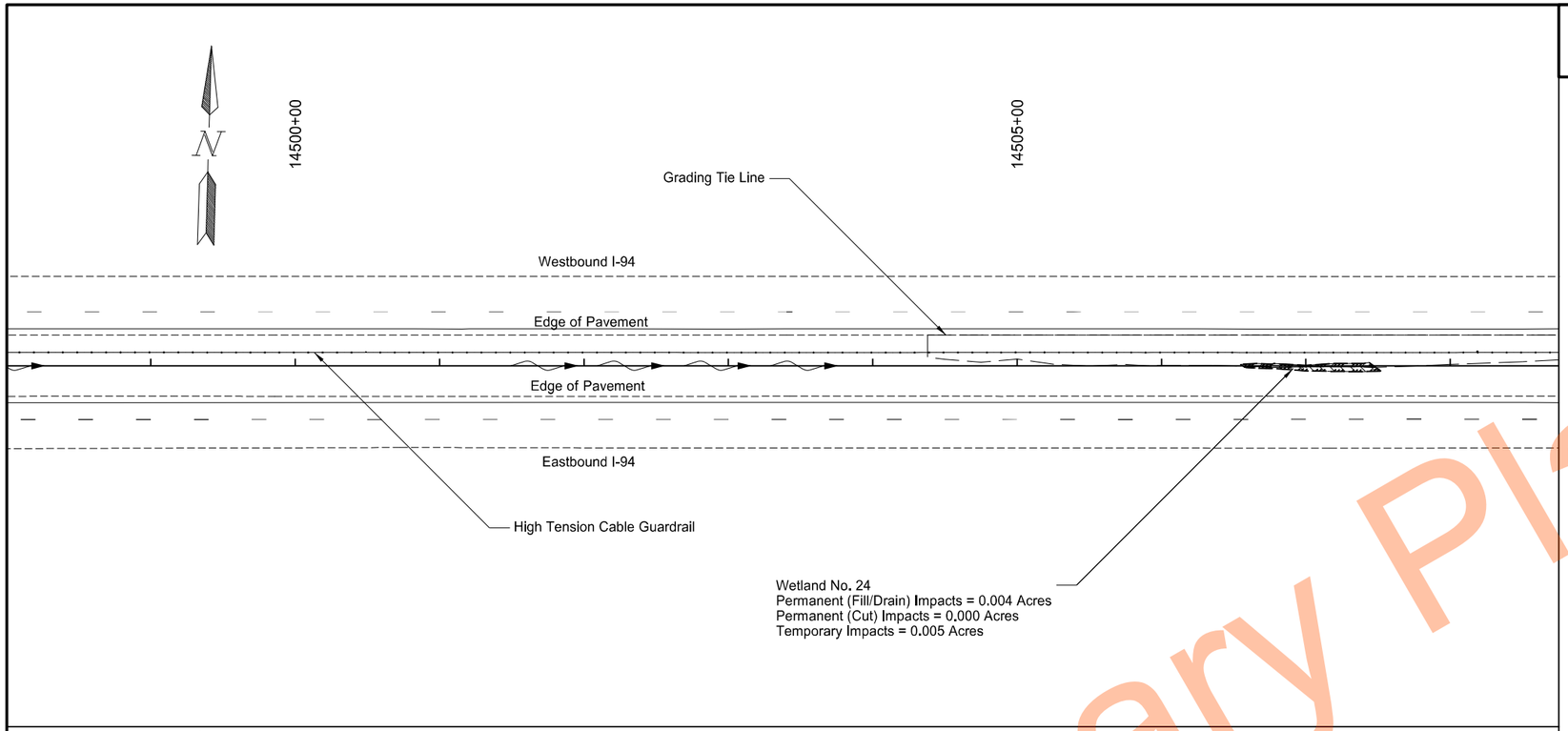
High Tension Median Cable Guardrail

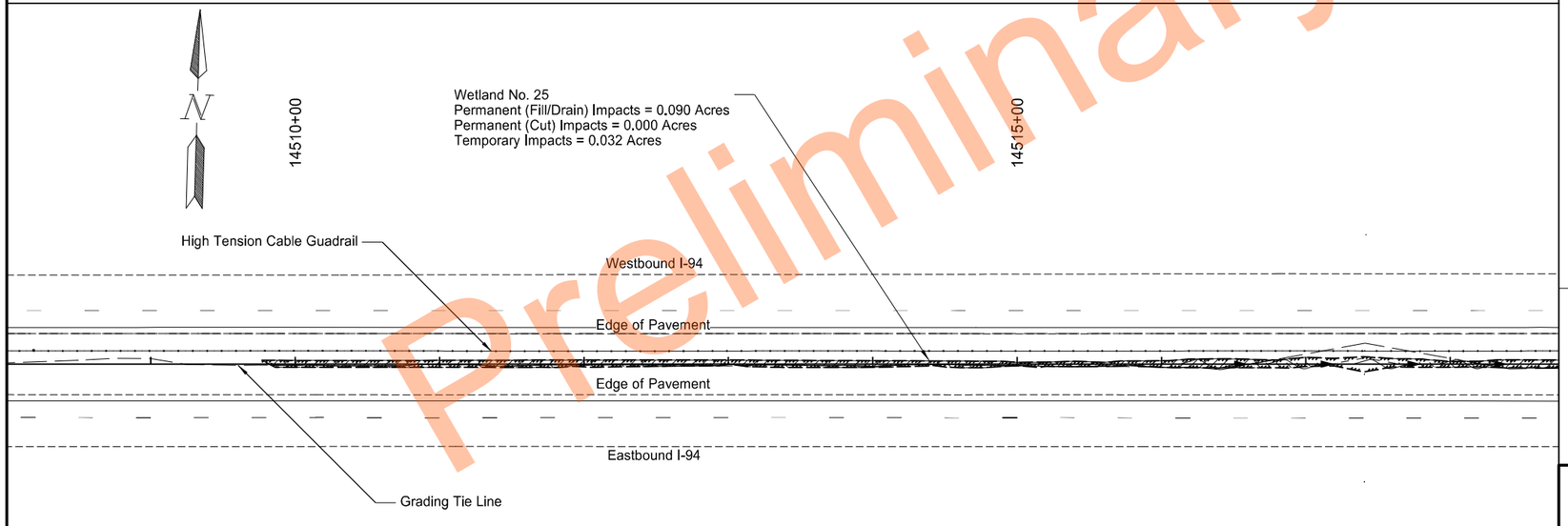
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	21





Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
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- Grading Tie Line - Fill
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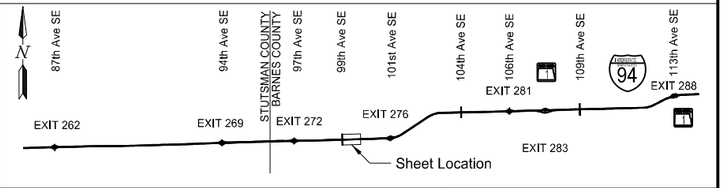

Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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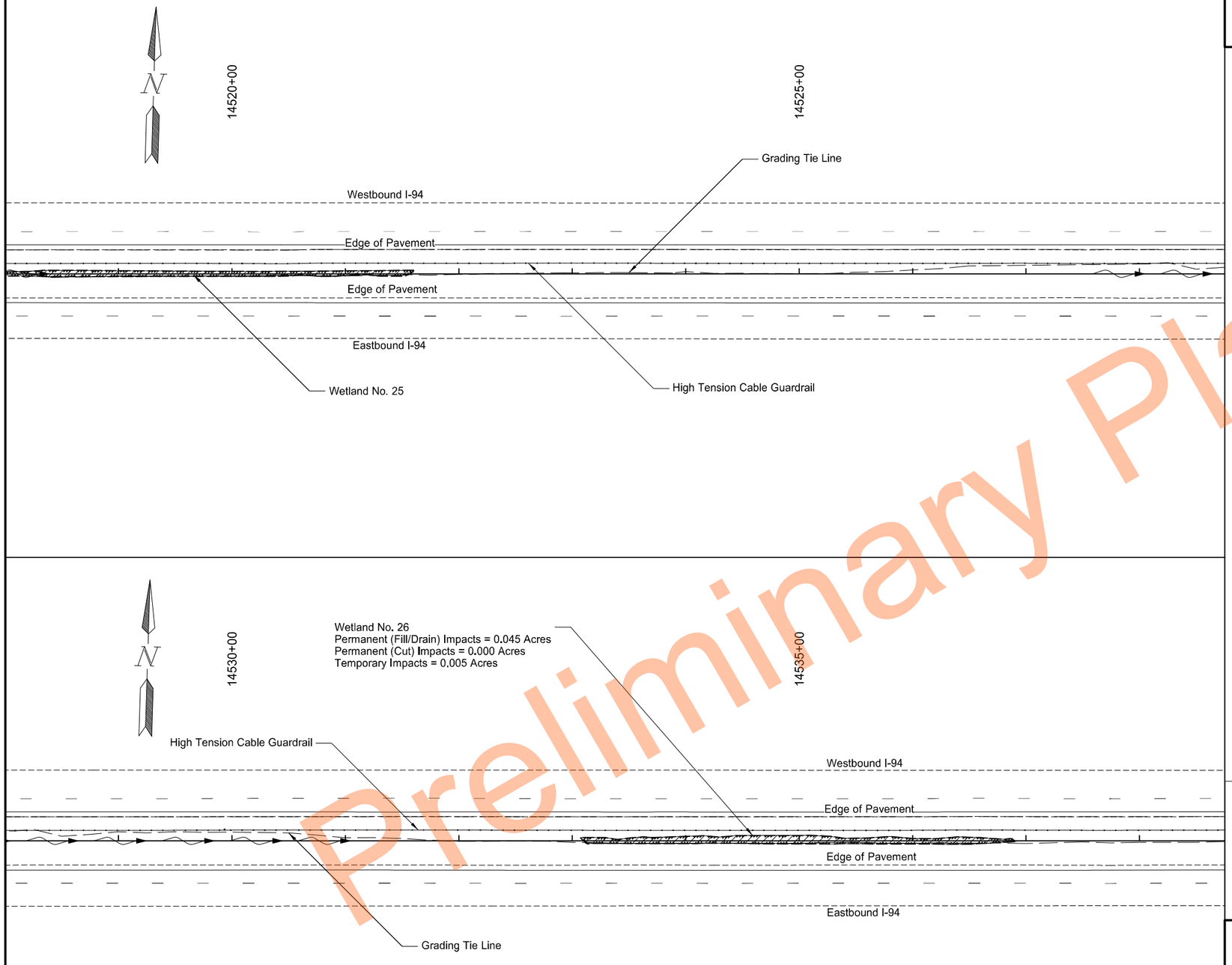
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	22



Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
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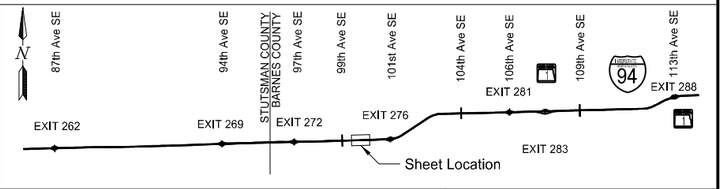


Wetland Impacts

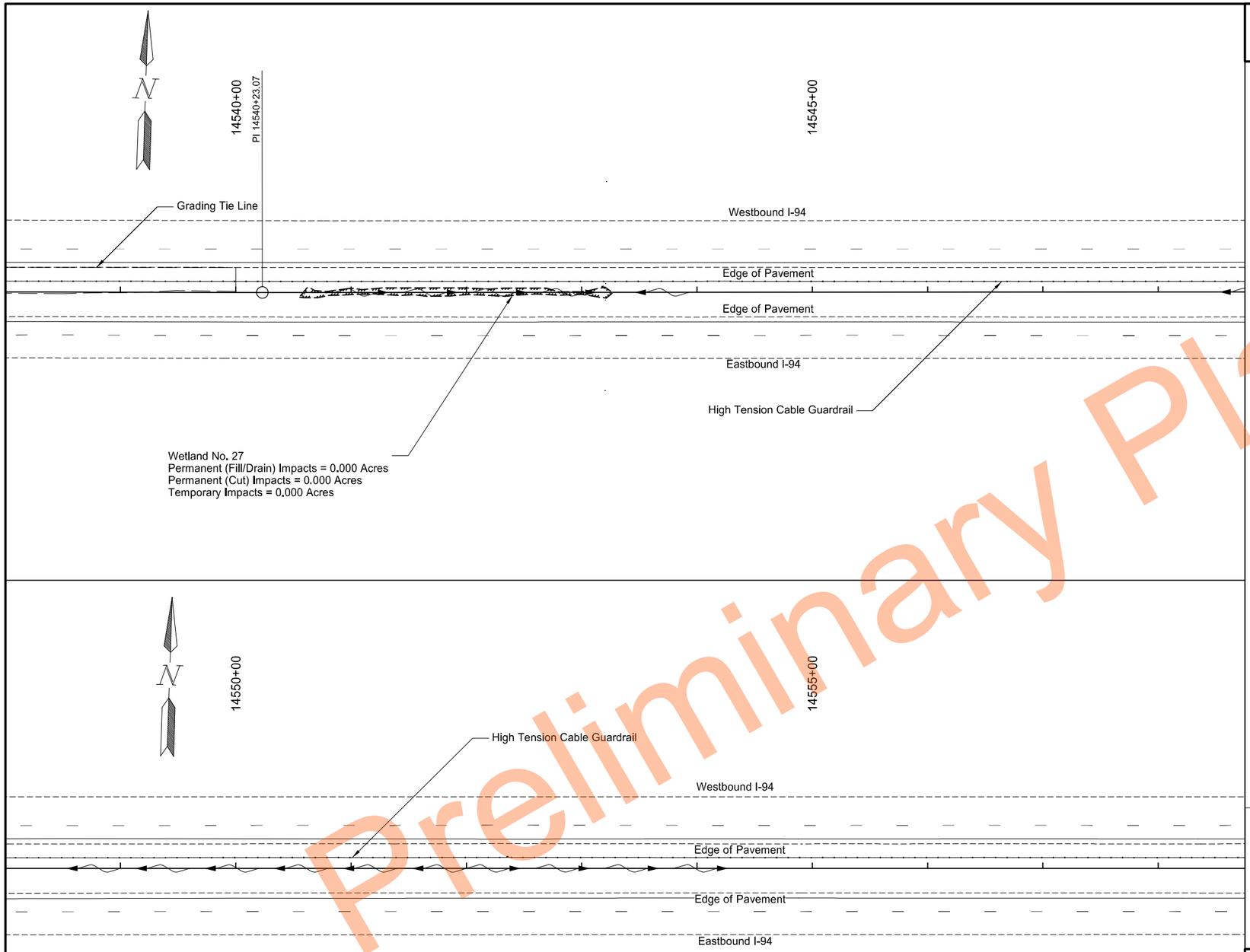
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	23



Preliminary Plans

Legend

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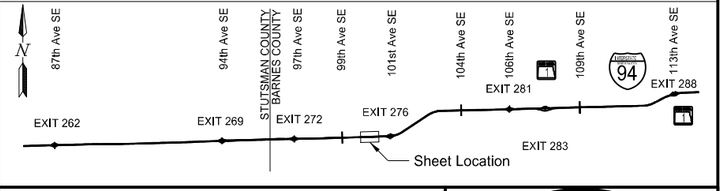


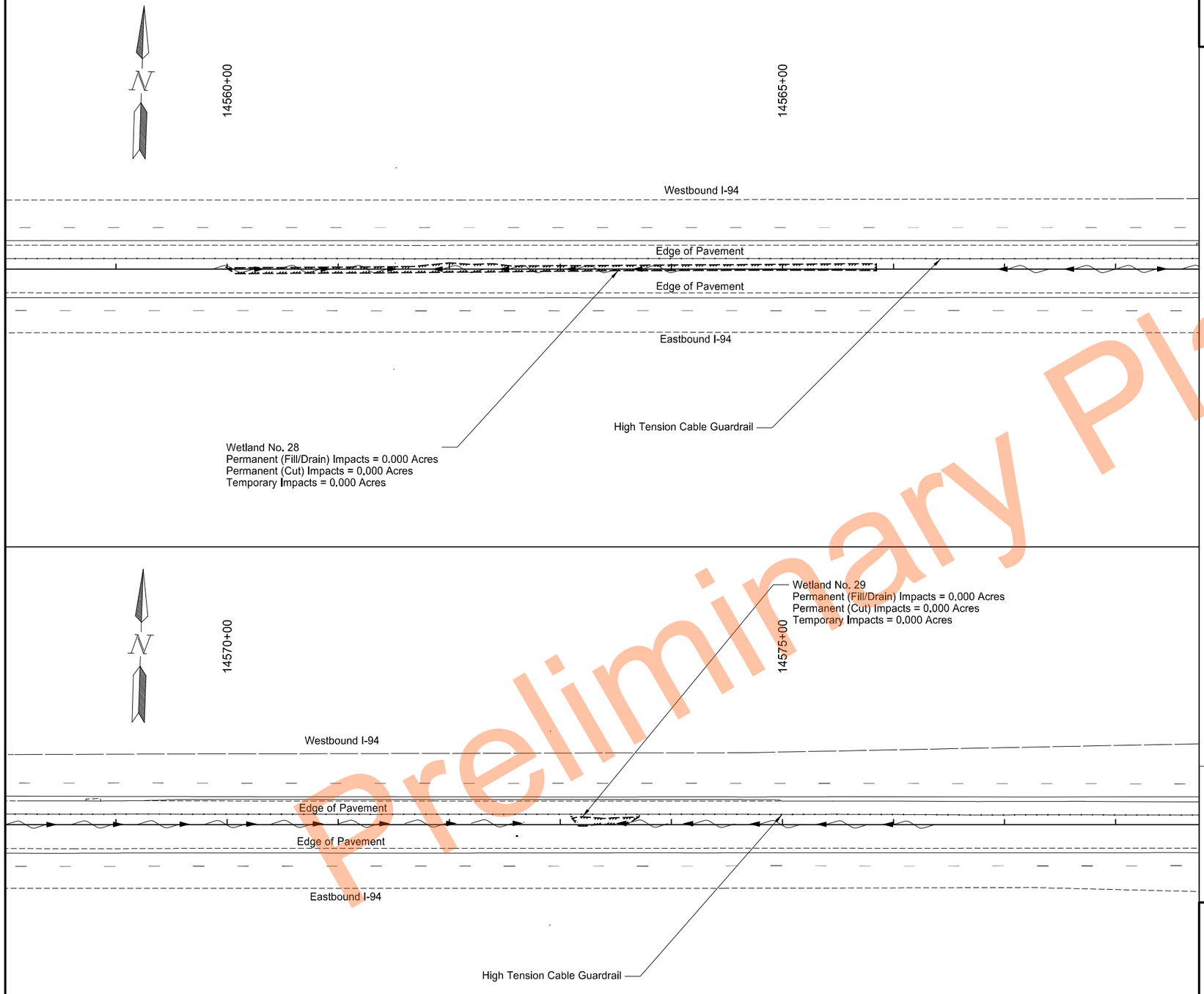
Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	24



Legend

- Permanent (Fill/Drain) Wetland Impact
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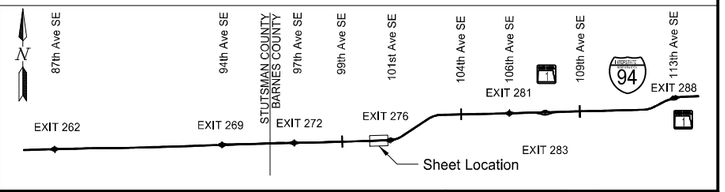


Wetland Impacts

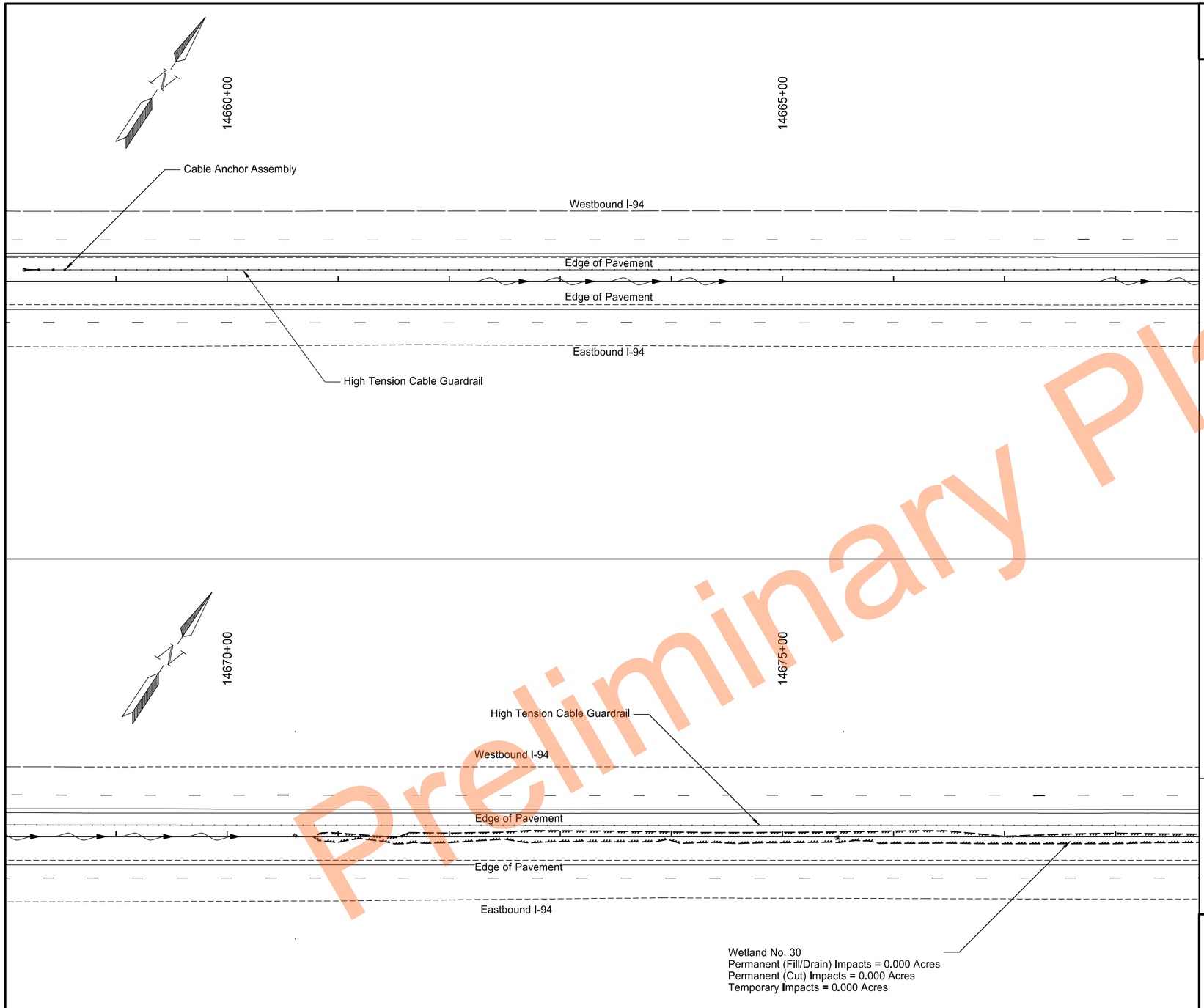
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	25



Legend

- Permanent (Fill/Drain) Wetland Impact
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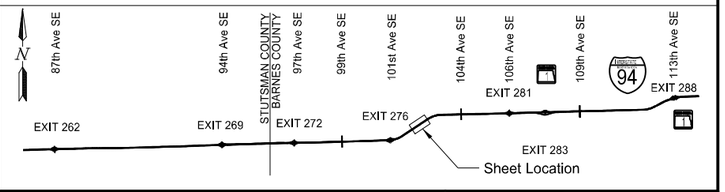


Wetland Impacts

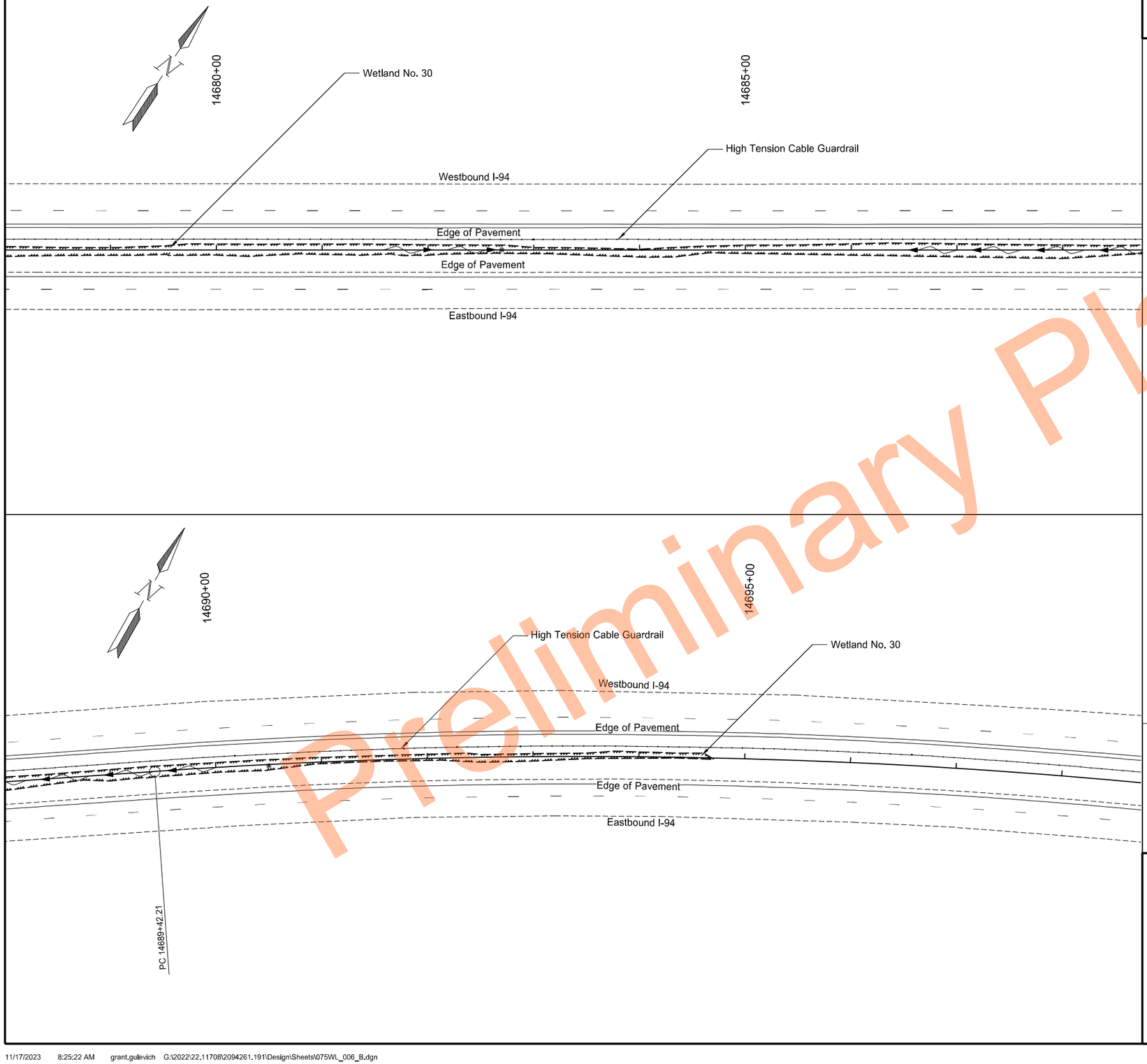
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	26



Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
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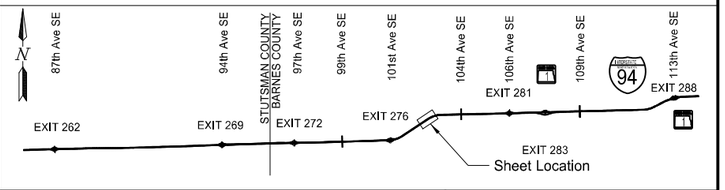


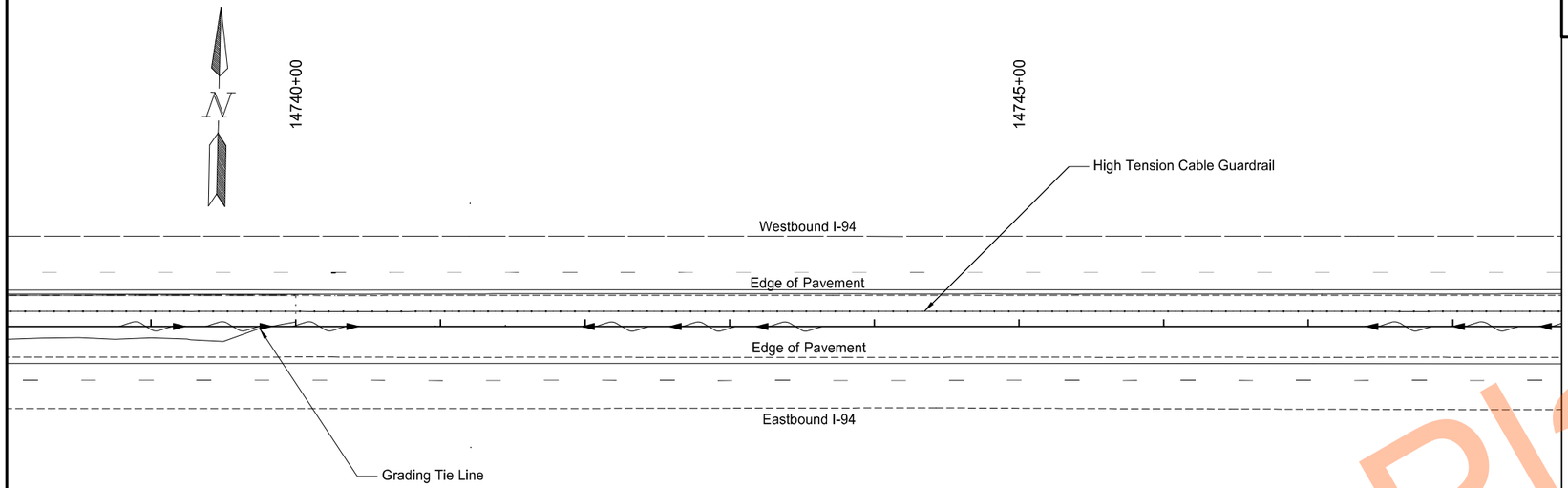
Wetland Impacts

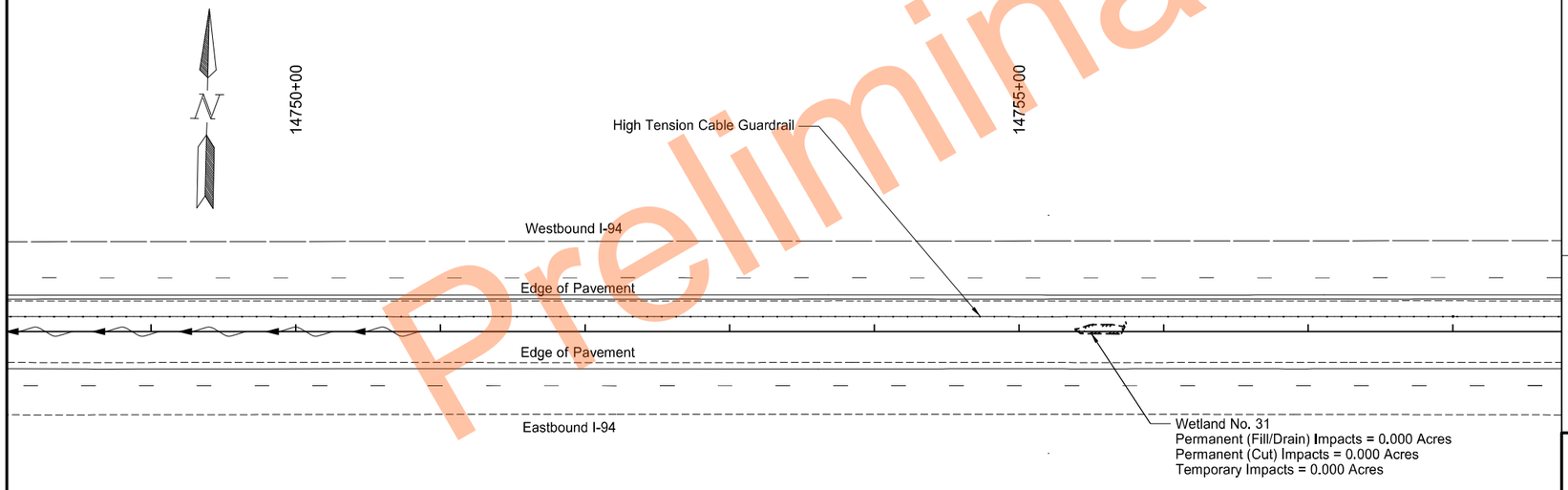
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	27





Legend

- Permanent (Fill/Drain) Wetland Impact
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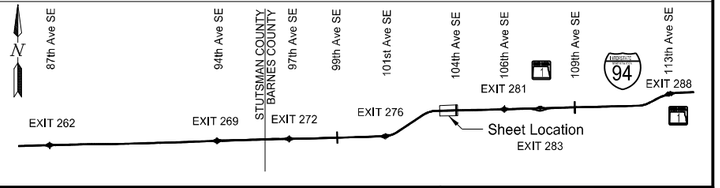


Wetland Impacts

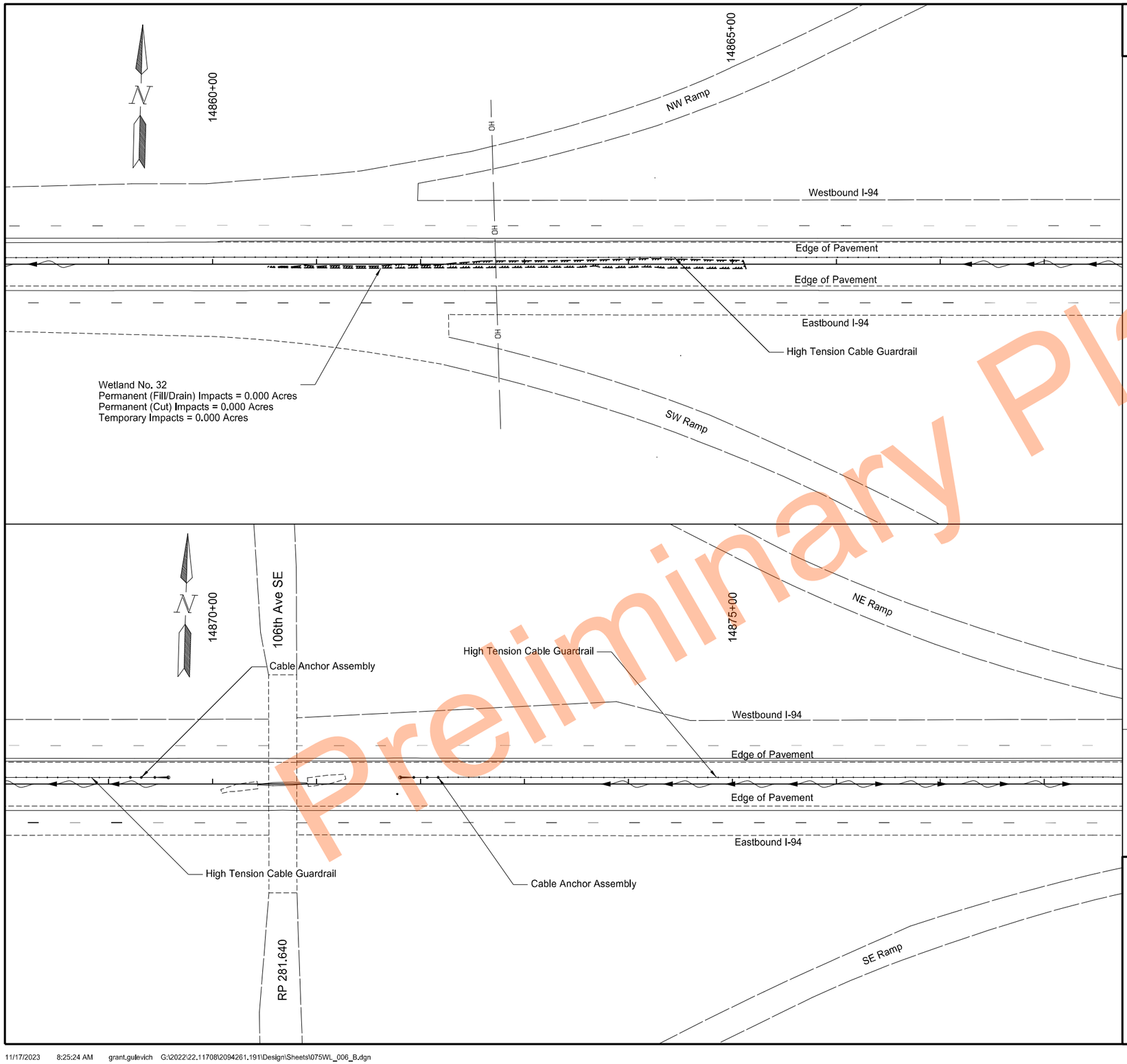
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	28



Preliminary Plans

Legend

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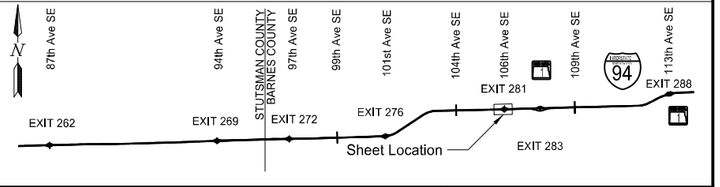
- Grading Tie Line - Cut
- Existing Flow Line



Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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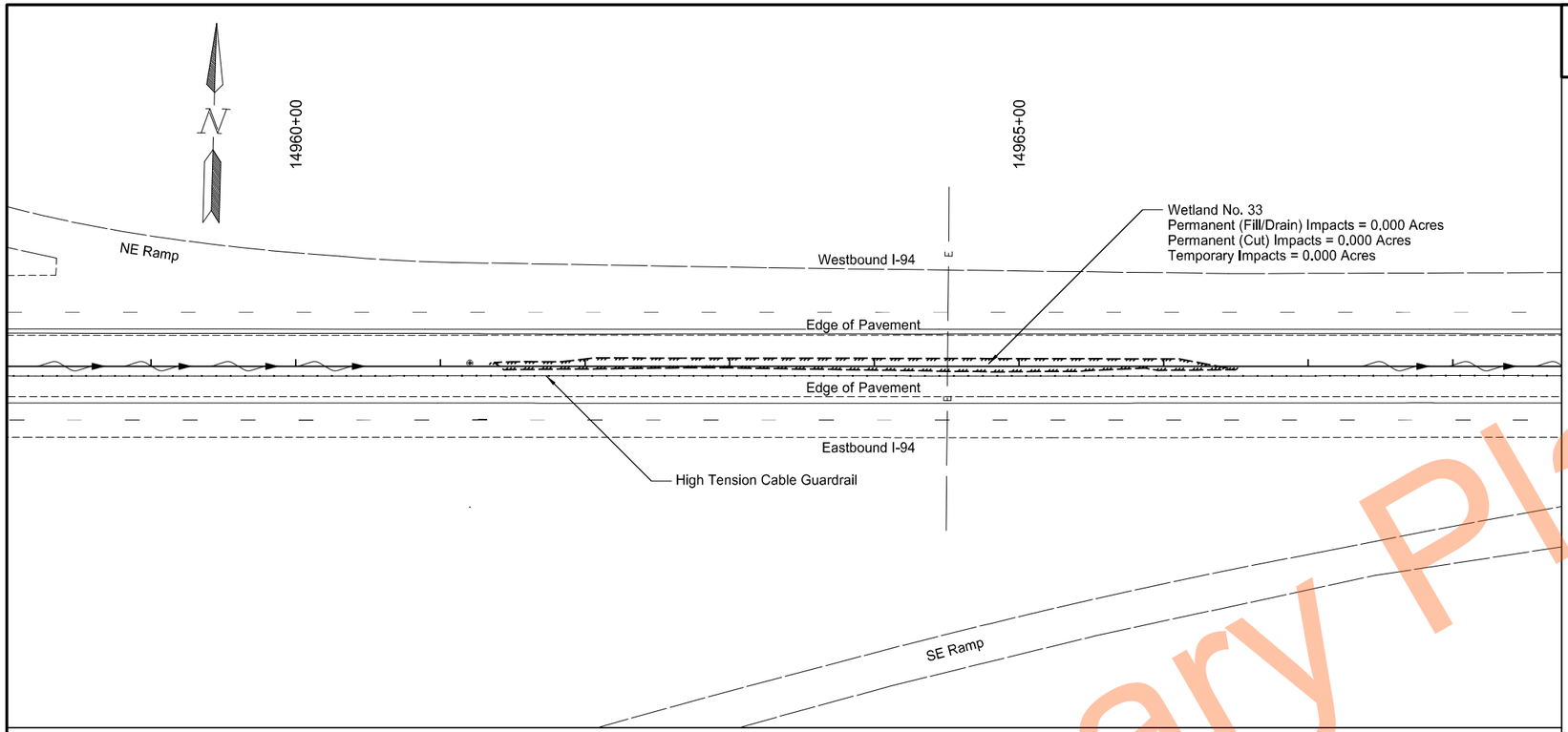
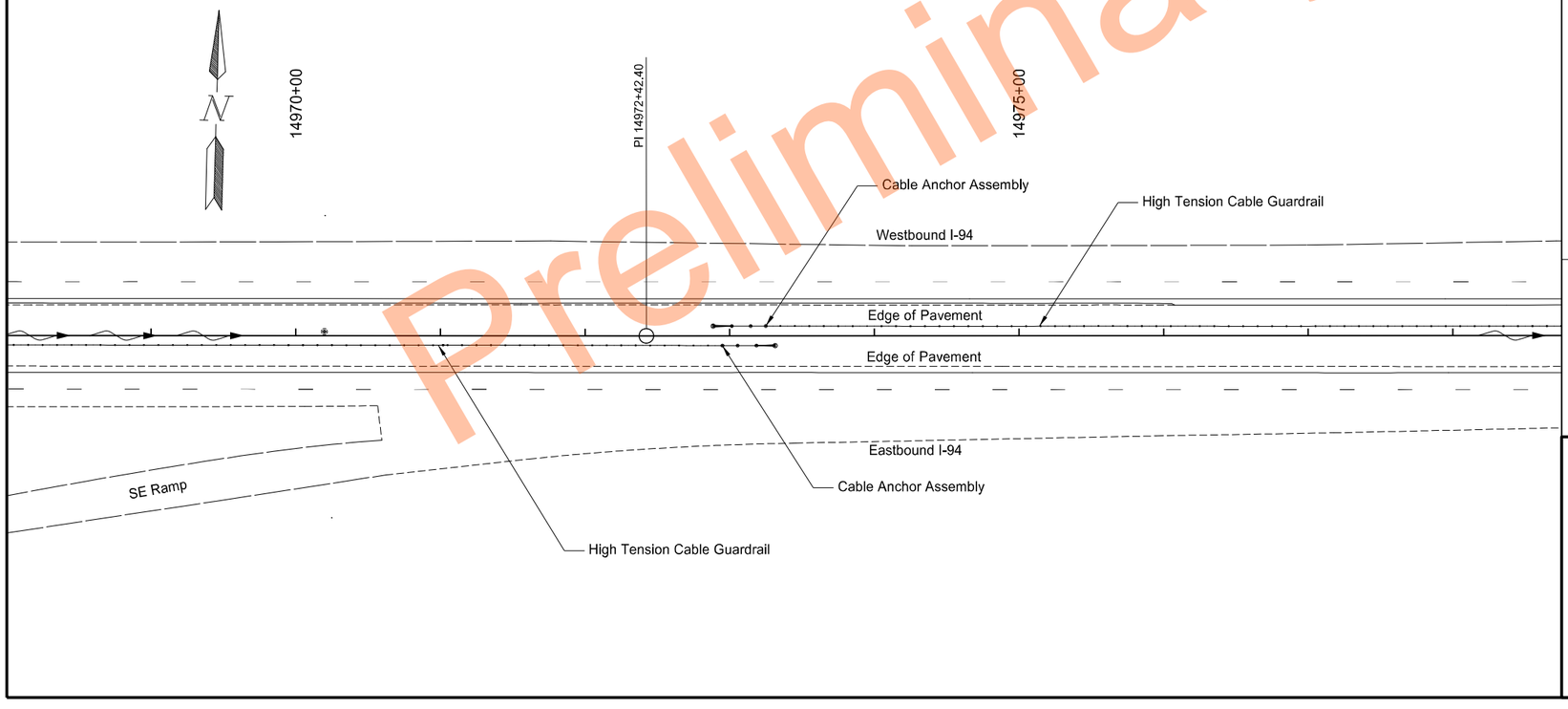
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	29

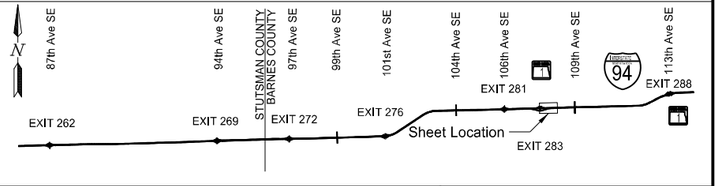




Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
- Temporary Wetland Impact
- Existing Wetland Boundary
- Grading Tie Line - Fill
- Grading Tie Line - Cut
- Existing Flow Line



Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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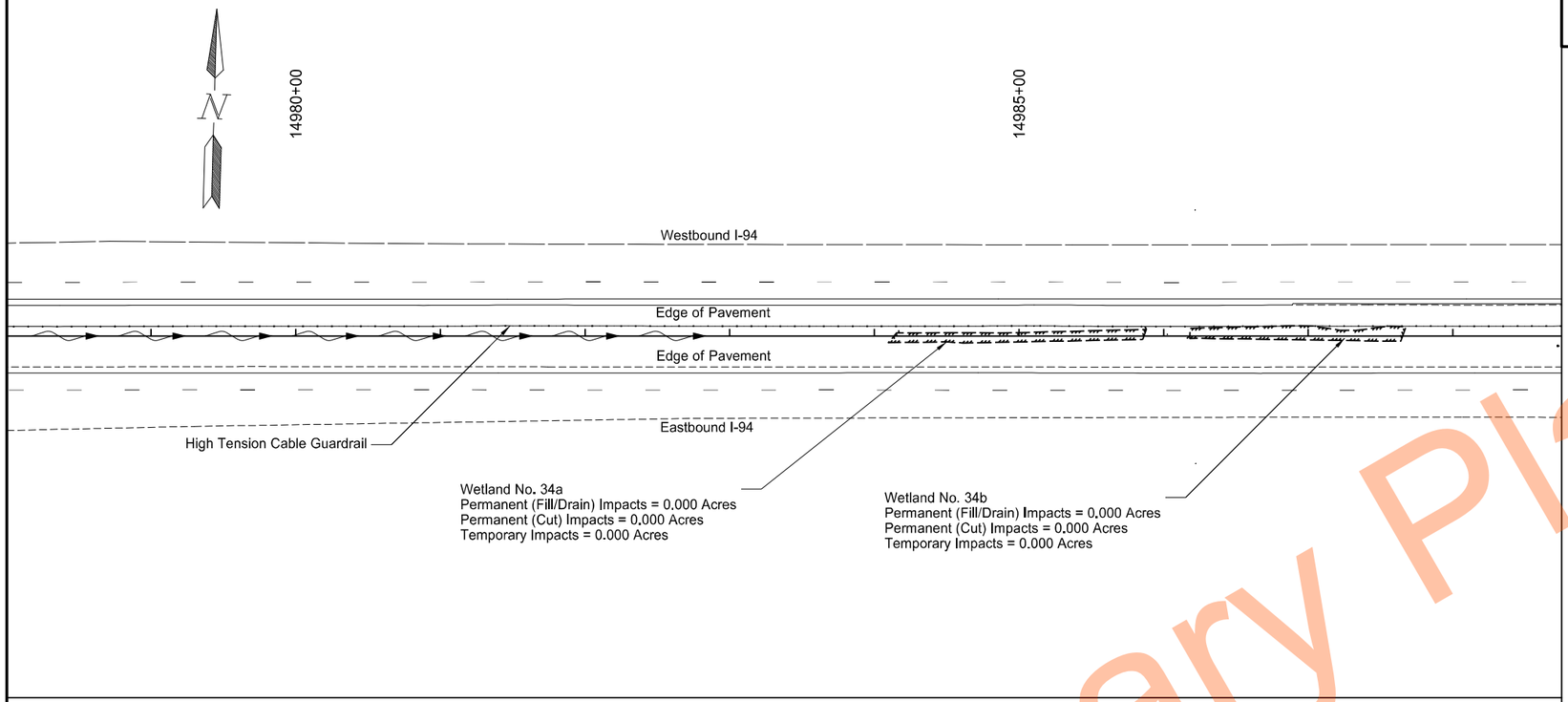
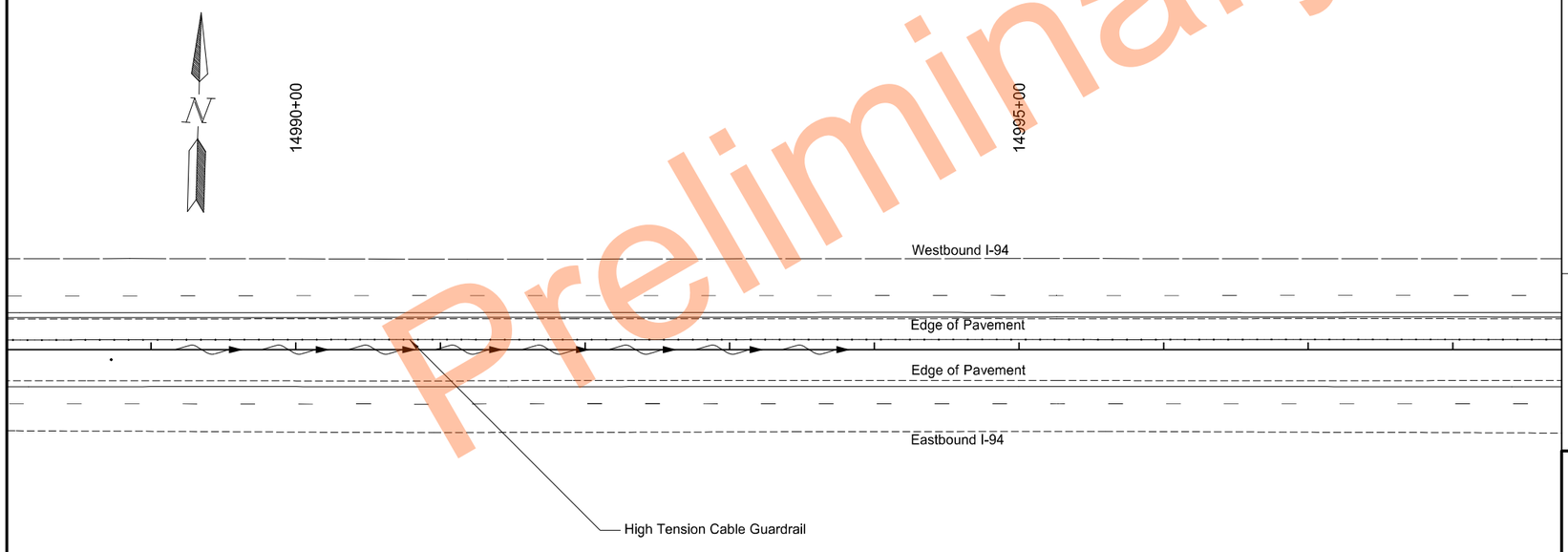
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	30

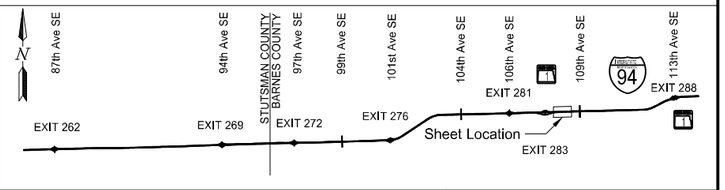




Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
- Temporary Wetland Impact
- Existing Wetland Boundary
- Grading Tie Line - Fill
- Grading Tie Line - Cut
- Existing Flow Line



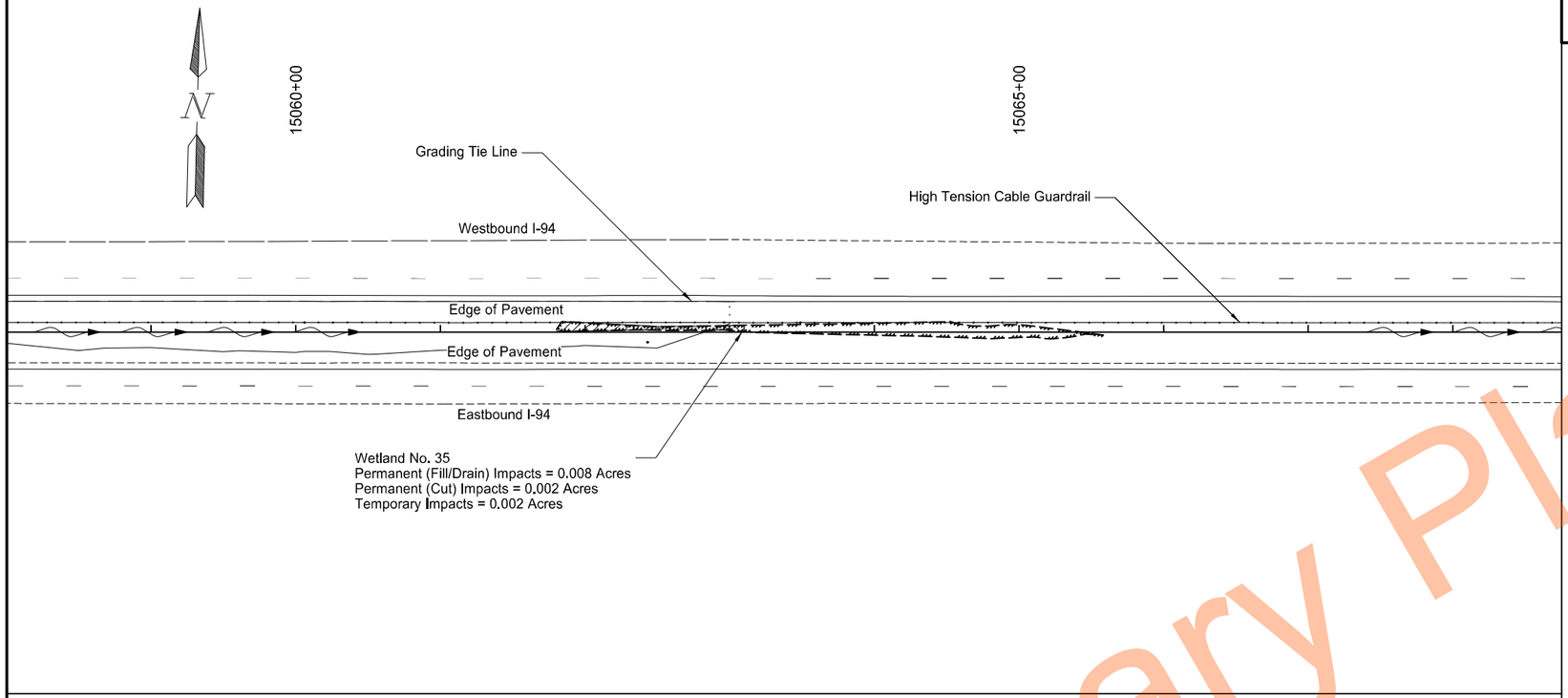
Wetland Impacts

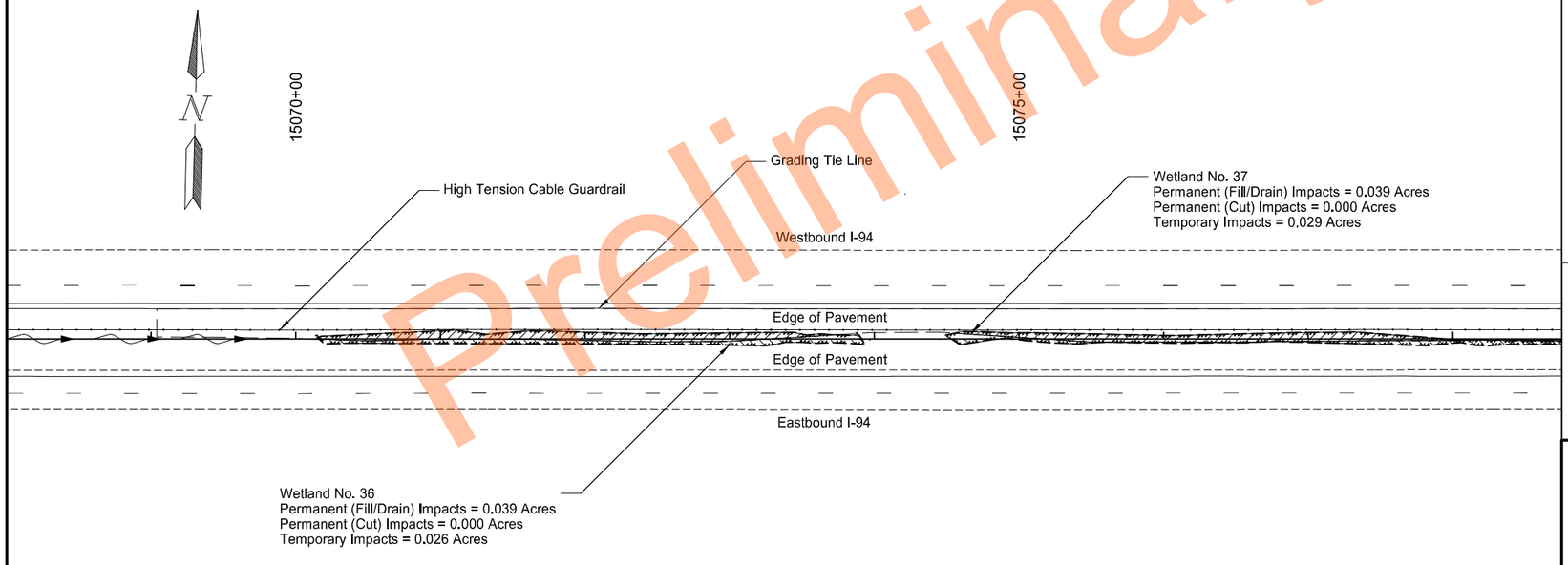
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	31

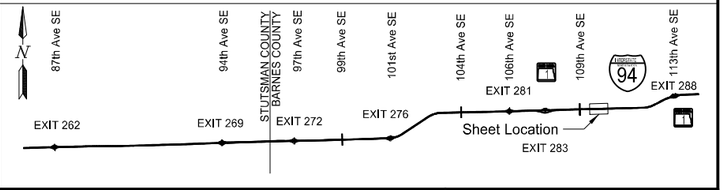




Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
- Temporary Wetland Impact
- Existing Wetland Boundary
- Grading Tie Line - Fill
- Grading Tie Line - Cut
- Existing Flow Line



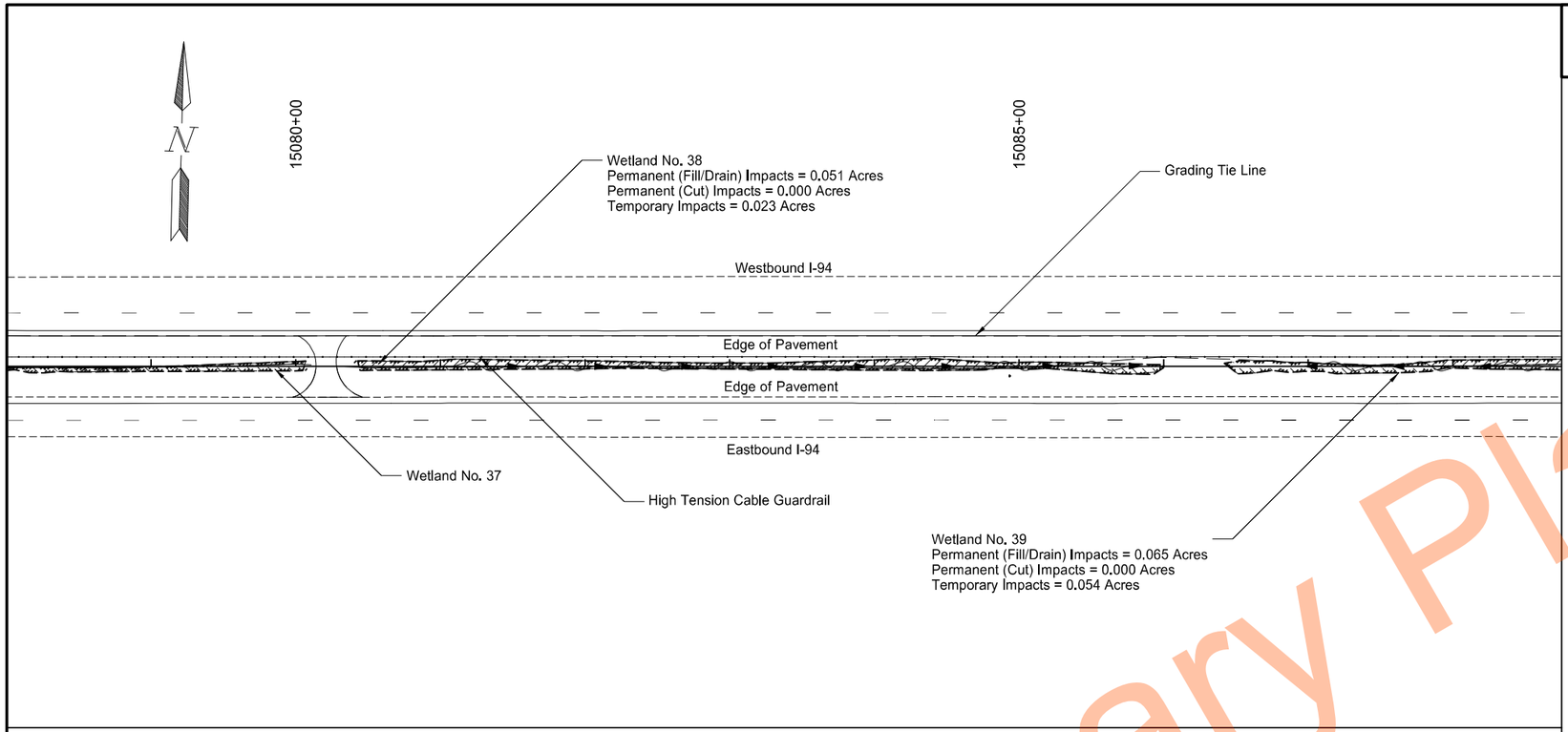
Wetland Impacts

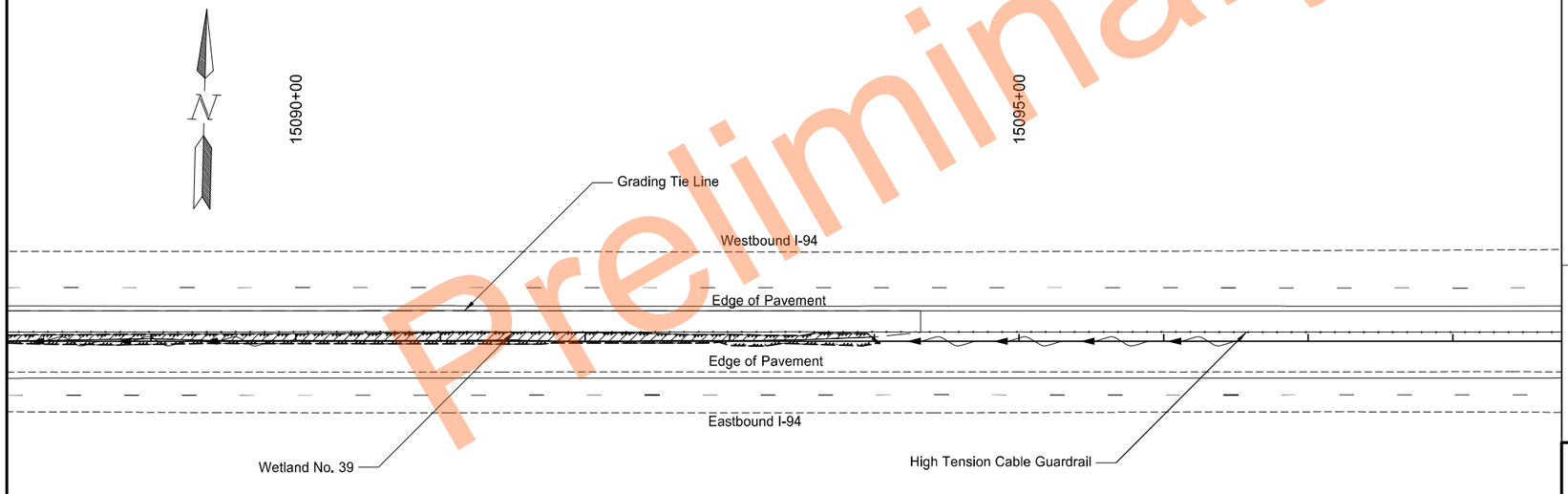
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	75	32

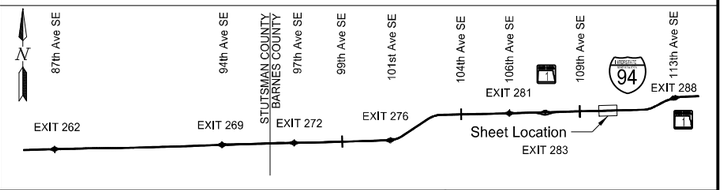




Preliminary Plans

Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
- Temporary Wetland Impact
- Existing Wetland Boundary
- Grading Tie Line - Fill
- Grading Tie Line - Cut
- Existing Flow Line



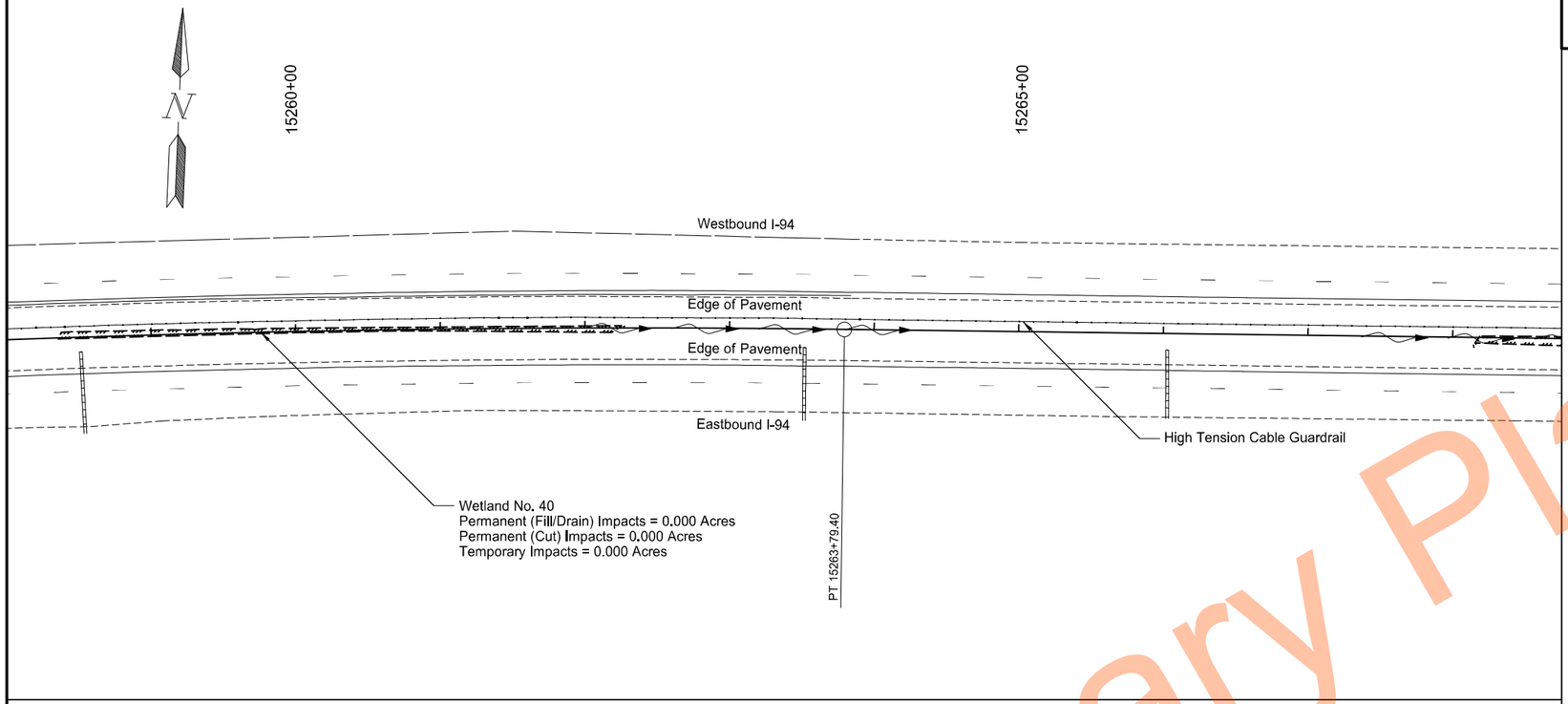
Wetland Impacts

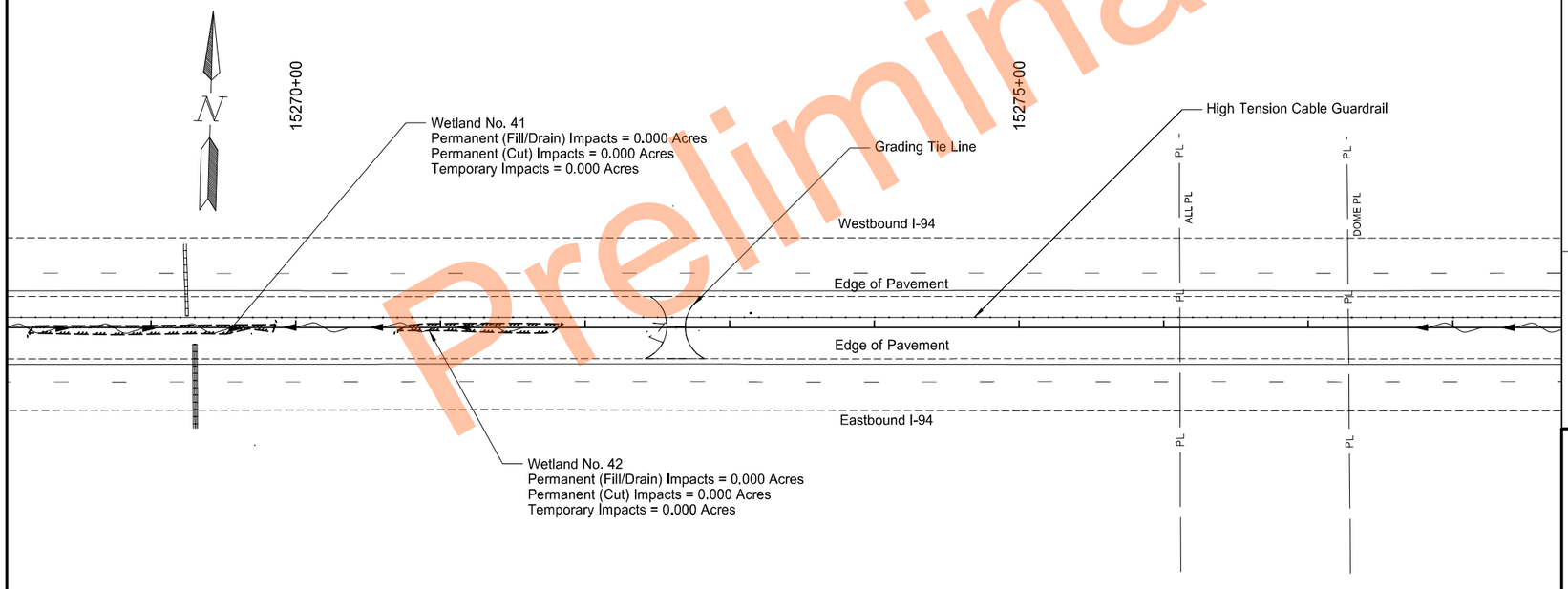
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

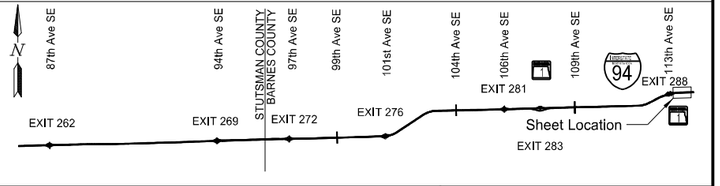
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	75	33





Legend

- Permanent (Fill/Drain) Wetland Impact
- Permanent (Cut) Wetland Impact
- Temporary Wetland Impact
- Existing Wetland Boundary
- Grading Tie Line - Fill
- Grading Tie Line - Cut
- Existing Flow Line



Wetland Impacts

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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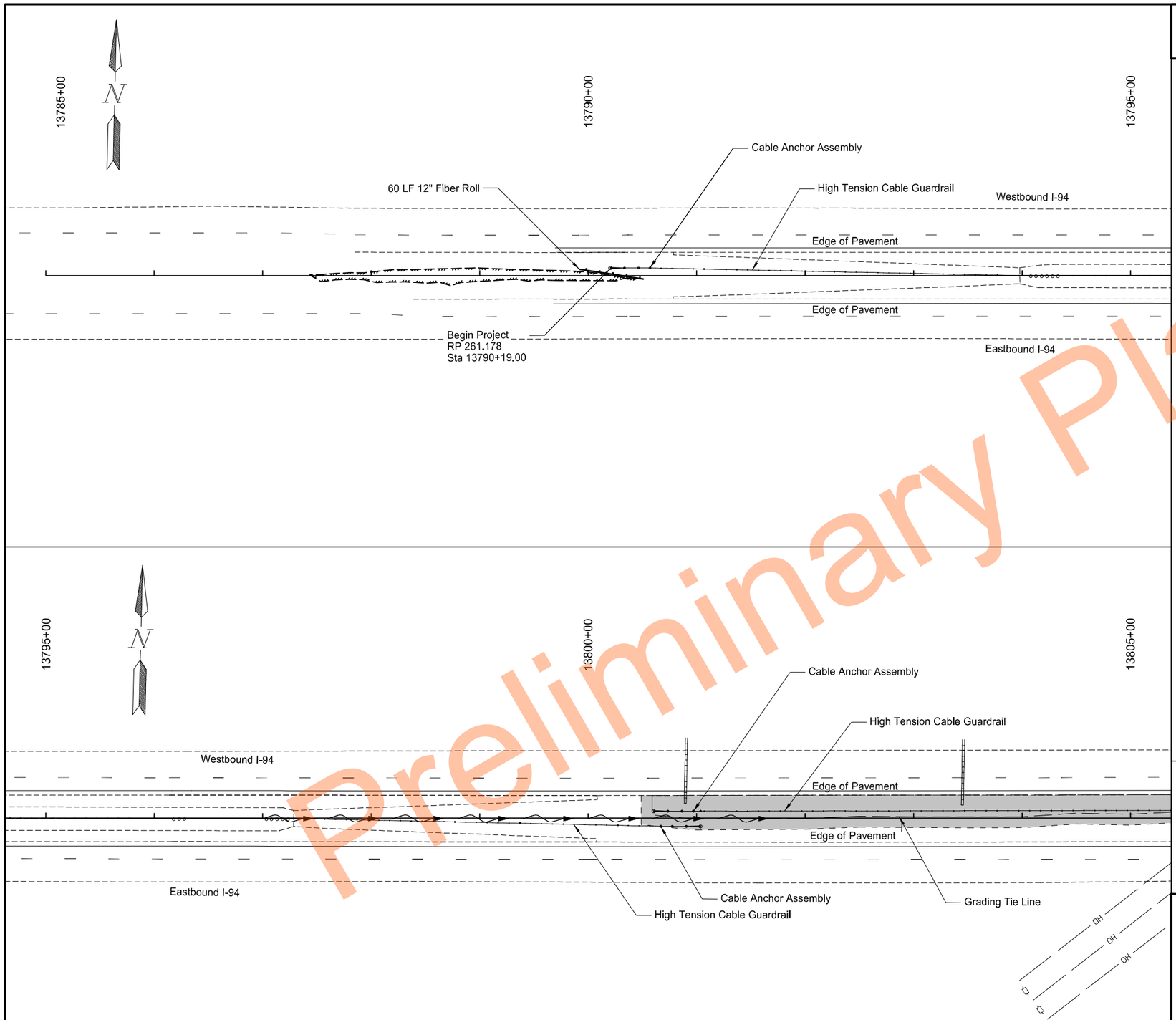
Preliminary Plans

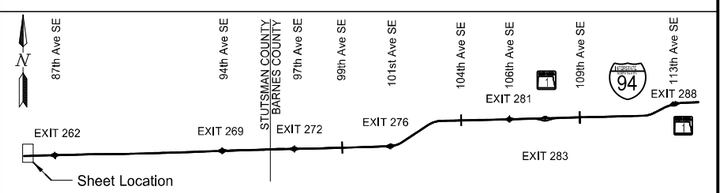


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	1

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13800+49.0 to 13805+00.0	0.31	Acre
253	0201	Hydraulic Mulch		
		13800+49.0 to 13805+00.0	0.31	Acre
261	0112	Fiber Rolls 12IN		
		13789+92 Lt to 13790+51 Rt	60	LF
261	0113	Remove Fiber Rolls 12IN		
		13789+92 Lt to 13790+51 Rt	60	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
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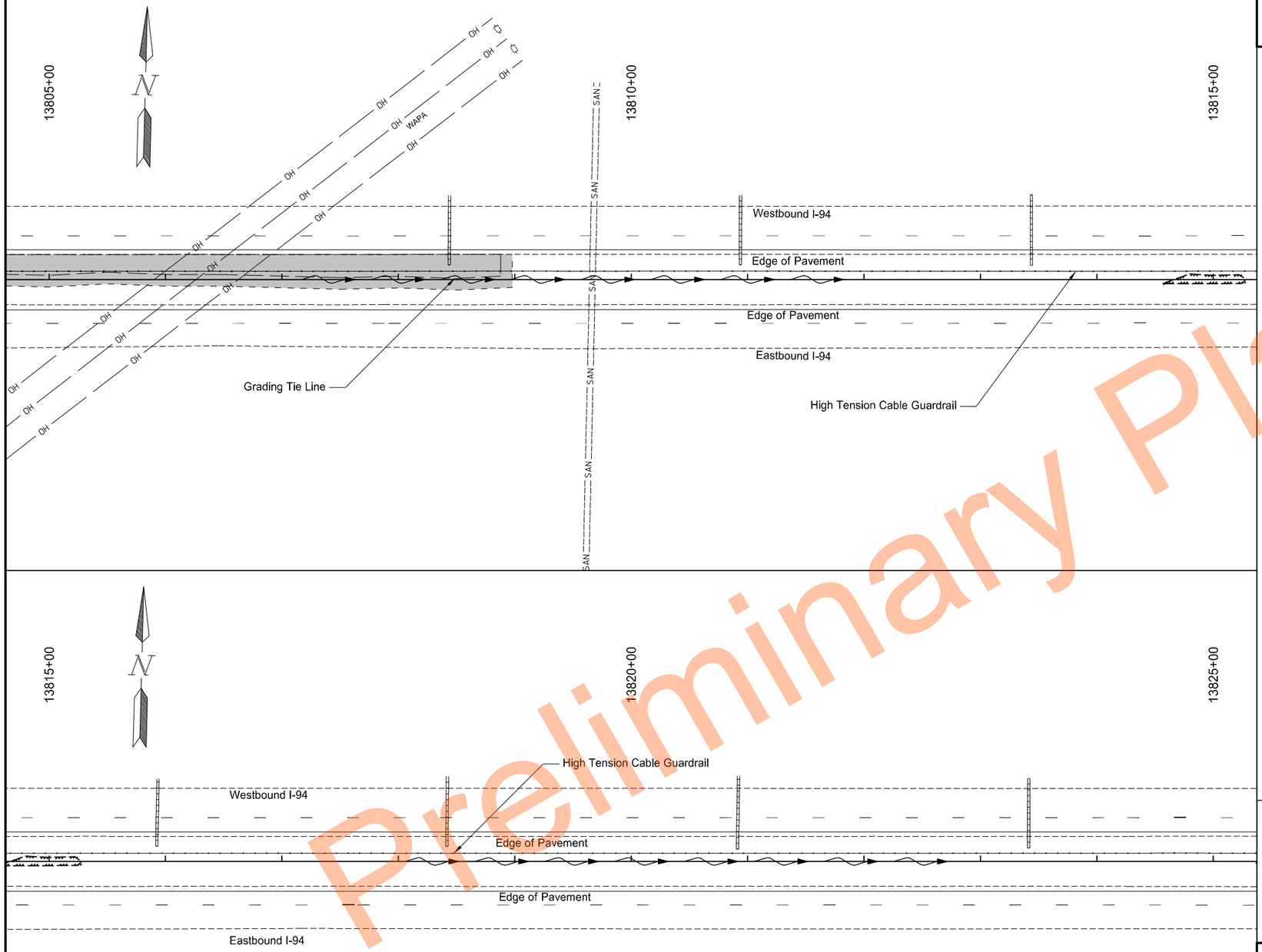
Preliminary Plans

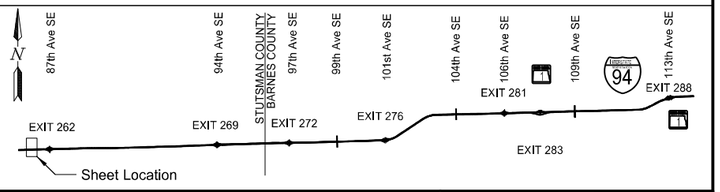


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	2

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13805+00.0 to 13808+98.0	0.26	Acre
253	0201	Hydraulic Mulch		
		13805+00.0 to 13808+98.0	0.26	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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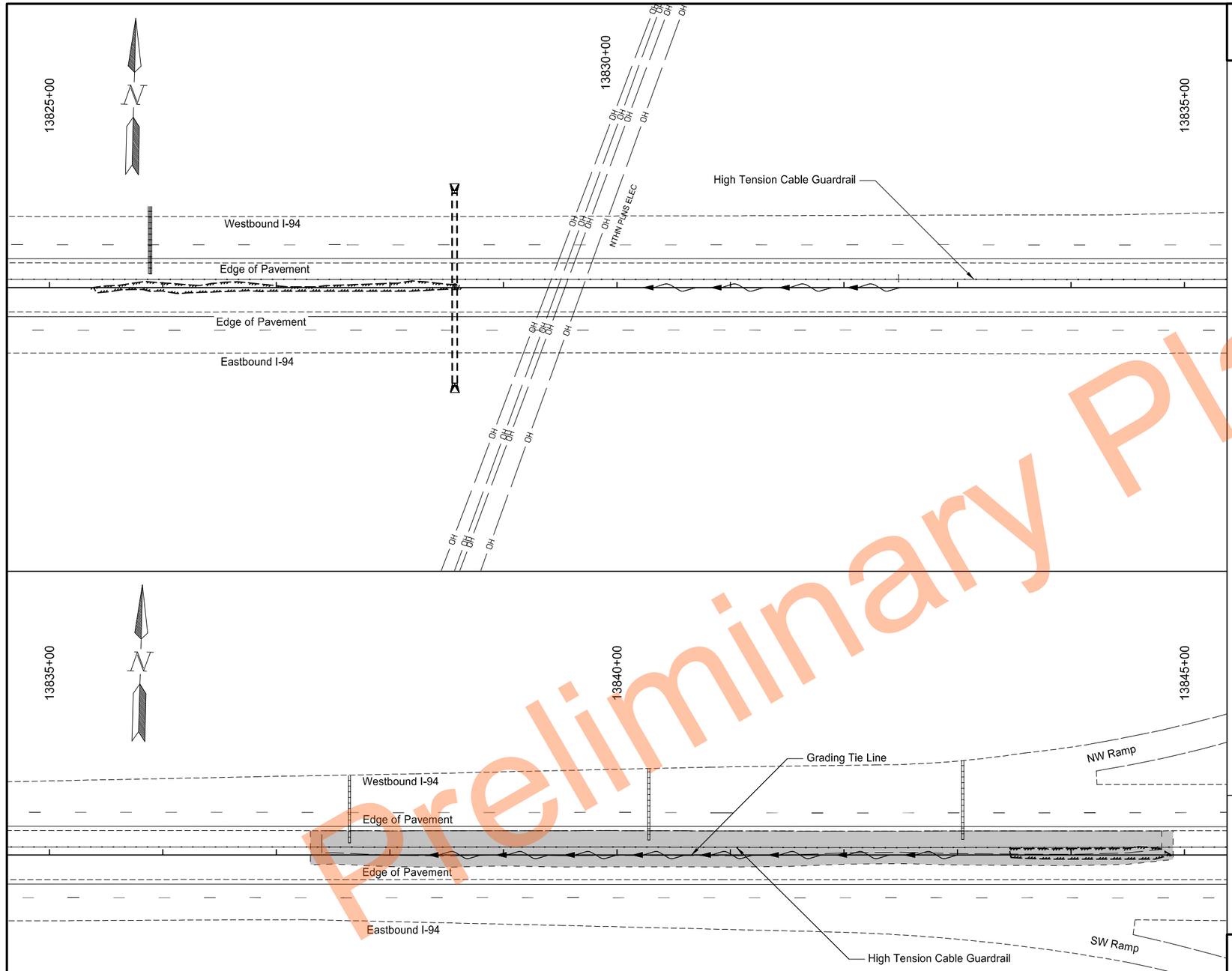
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

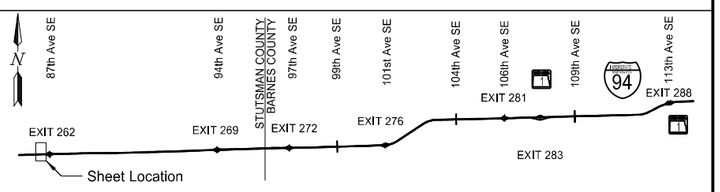
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	3

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13837+30.0 to 13844+90.0	0.53	Acre
253	0201	Hydraulic Mulch		
		13837+30.0 to 13844+90.0	0.53	Acre



Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



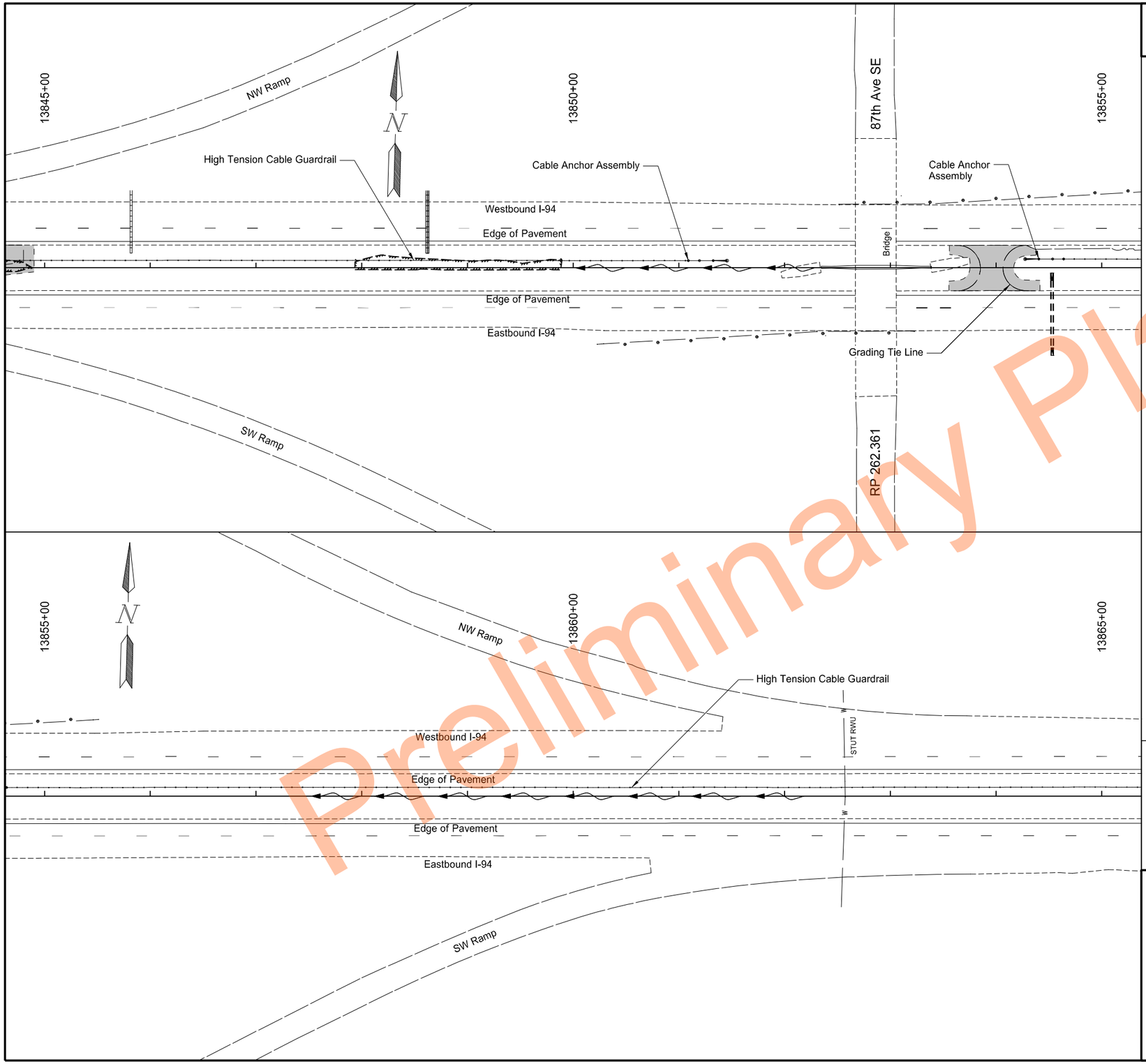
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



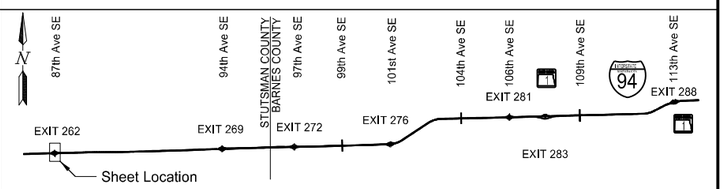
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	4

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13853+55.3 to 13854+41.6	0.06	Acre
253	0201	Hydraulic Mulch		
		13853+55.3 to 13854+41.6	0.06	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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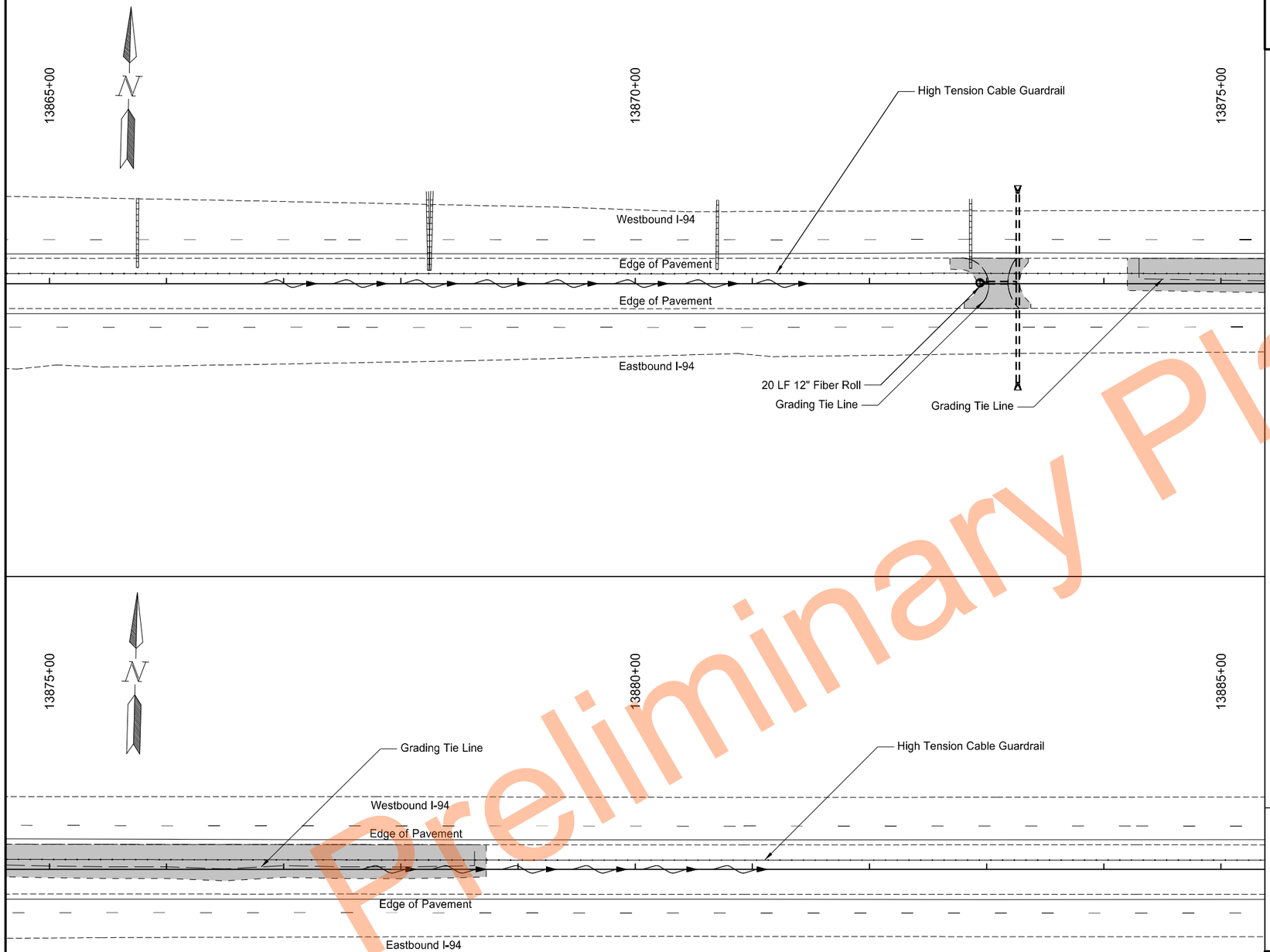


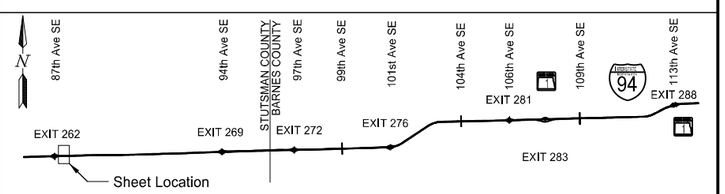
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	5

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13872+68.6 to 13873+37.6	0.05	Acre
		13874+20.0 to 13878+73.0	0.30	Acre
253	0201	Hydraulic Mulch		
		13872+68.6 to 13873+37.6	0.05	Acre
		13874+20.0 to 13878+73.0	0.30	Acre
261	0112	Fiber Rolls 12IN		
		13872+94.4, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		13872+94.4, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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DATE 11/17/2023
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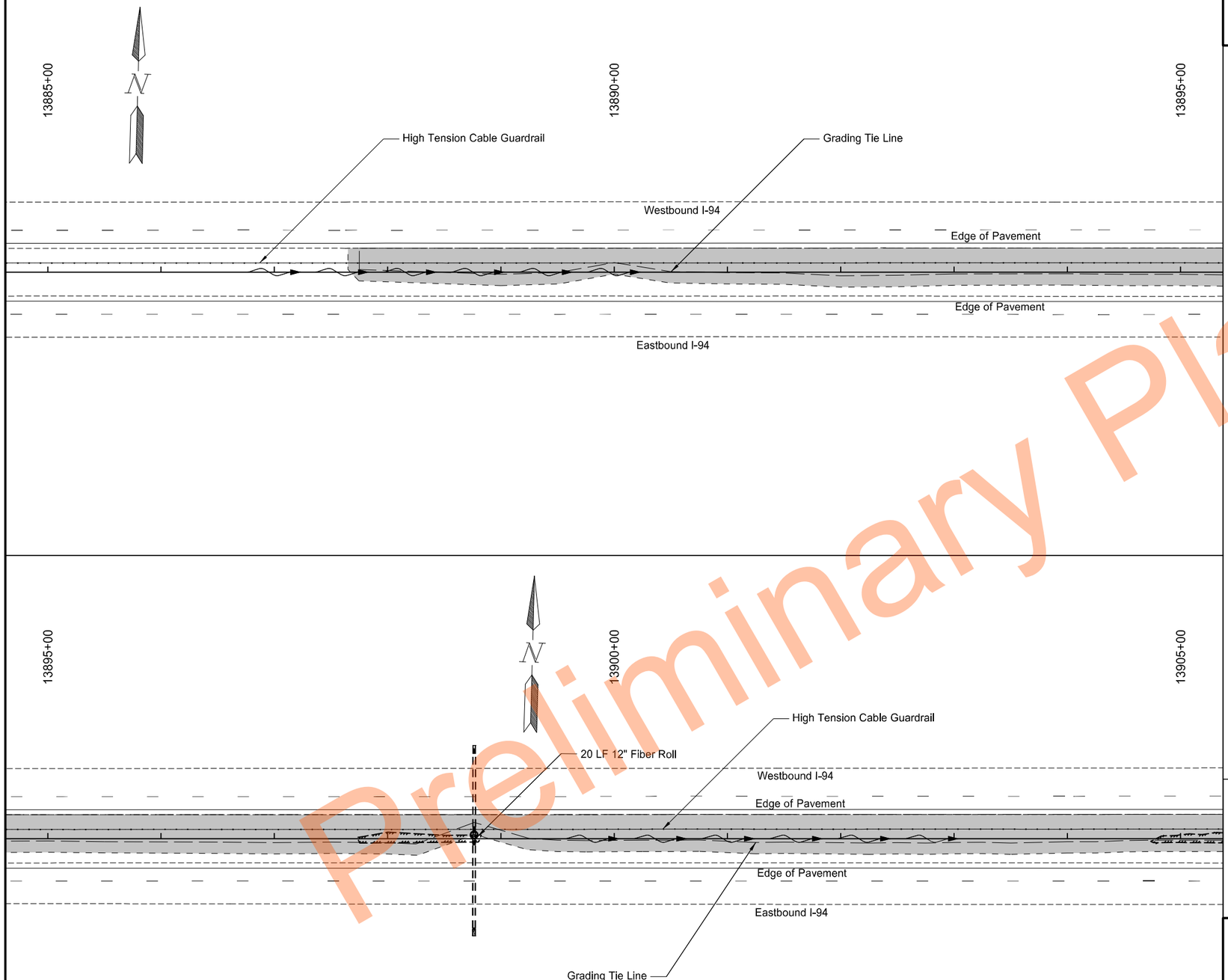


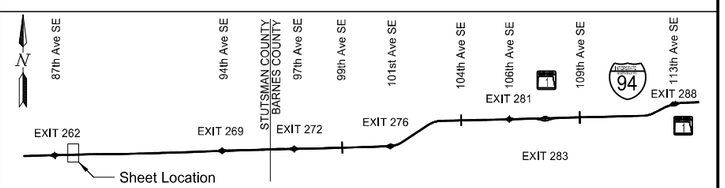
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	6

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13887+65.0 to 13905+00.0	1.29	Acre
253	0201	Hydraulic Mulch		
		13887+65.0 to 13905+00.0	1.29	Acre
261	0112	Fiber Rolls 12IN		
		13898+76.4, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		13898+76.4, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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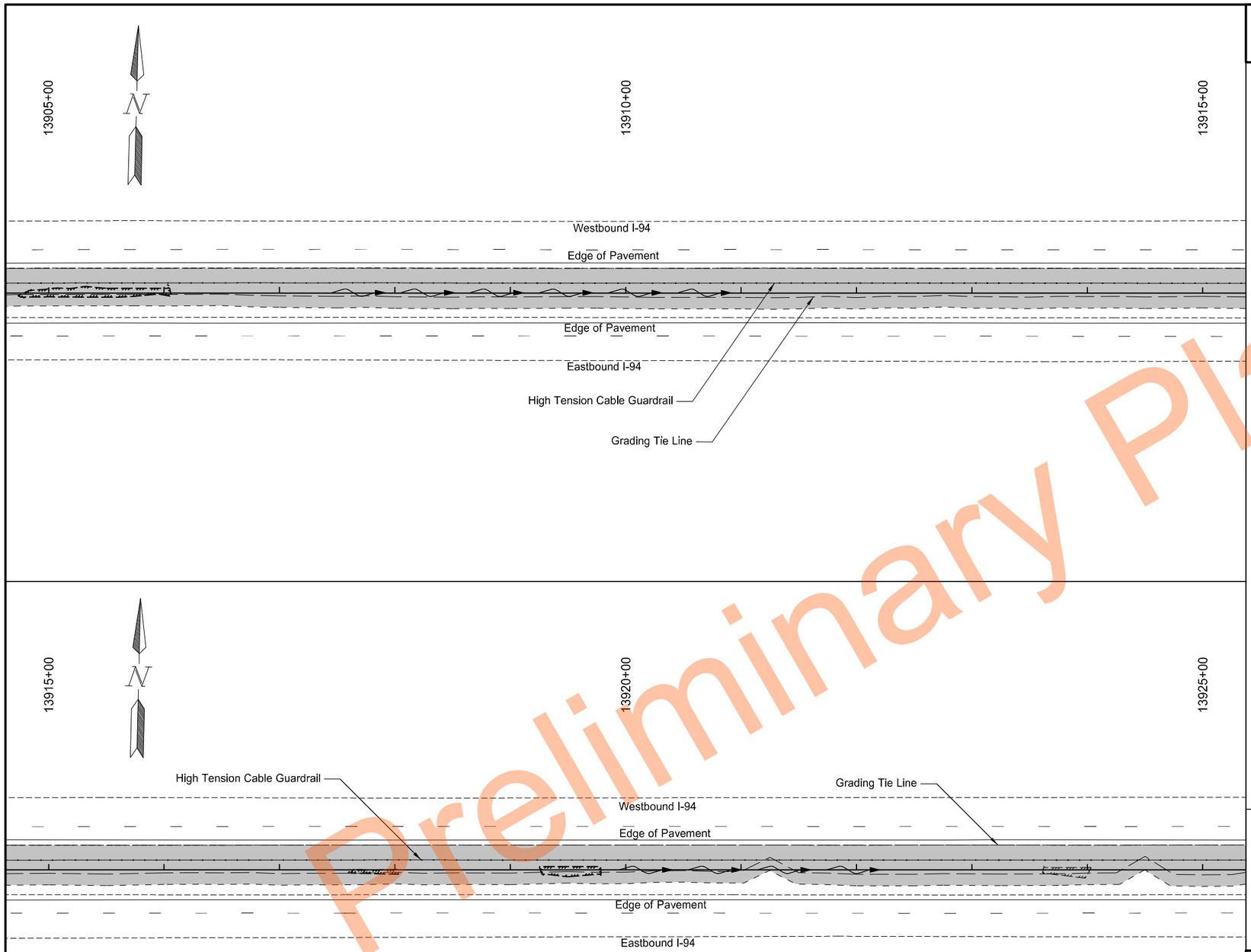
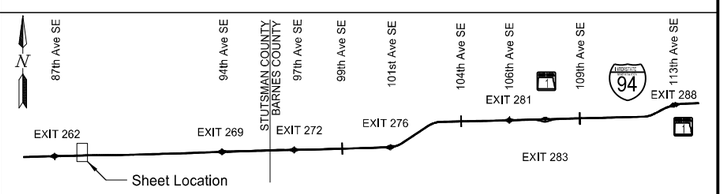


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	7

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13905+00.0 to 13925+00.0	1.56	Acre
253	0201	Hydraulic Mulch		
		13905+00.0 to 13925+00.0	1.56	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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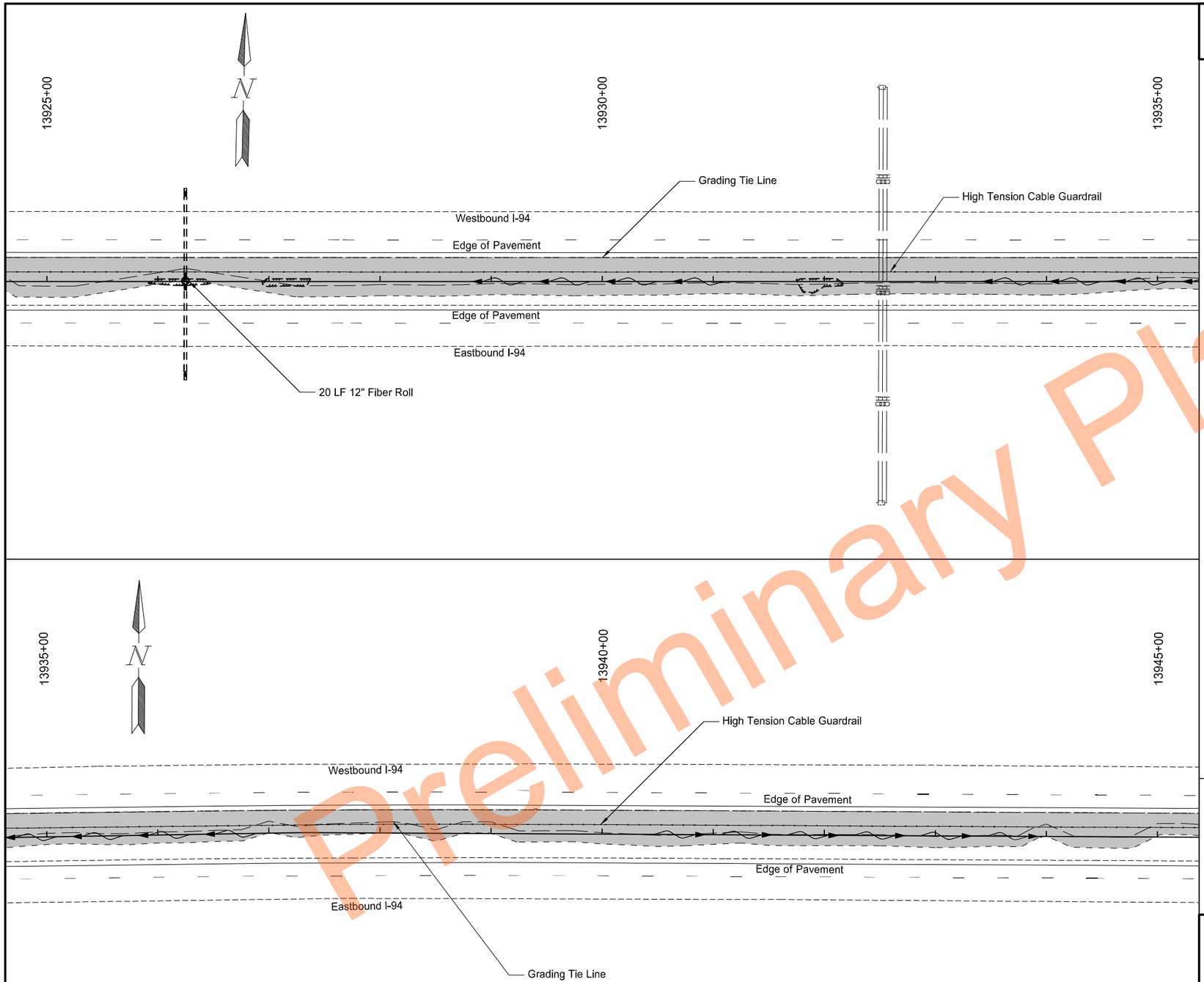
Preliminary Plans



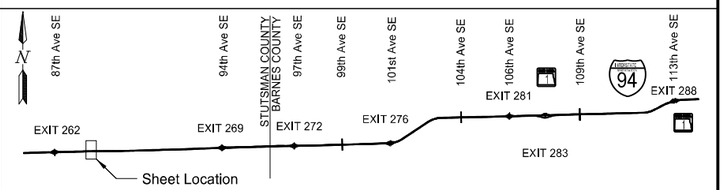
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	8

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13925+00.0 to 13945+00.0	1.39	Acre
253	0201	Hydraulic Mulch		
		13925+00.0 to 13945+00.0	1.39	Acre
261	0112	Fiber Rolls 12IN		
		13926+25.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		13926+25.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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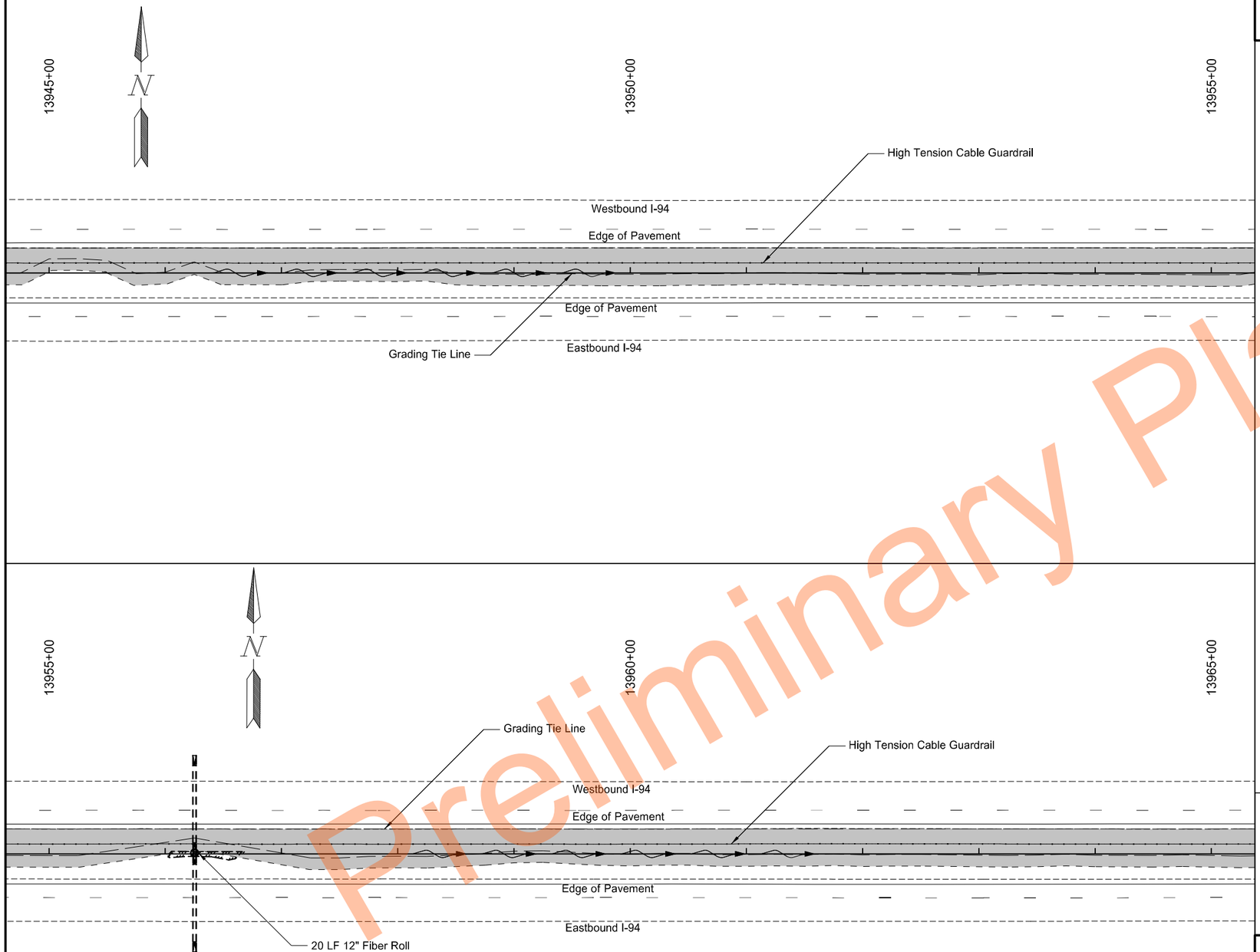
DATE 11/17/2023
NORTH DAKOTA

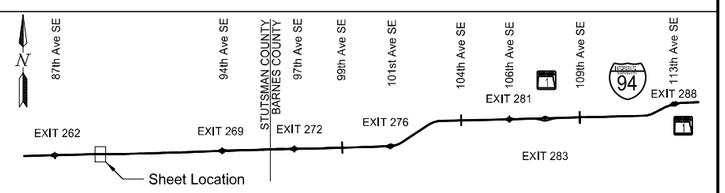


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	9

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13945+00.0 to 13965+00.0	1.42	Acre
253	0201	Hydraulic Mulch		
		13945+00.0 to 13965+00.0	1.42	Acre
261	0112	Fiber Rolls 12IN		
		13956+25.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		13956+25.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



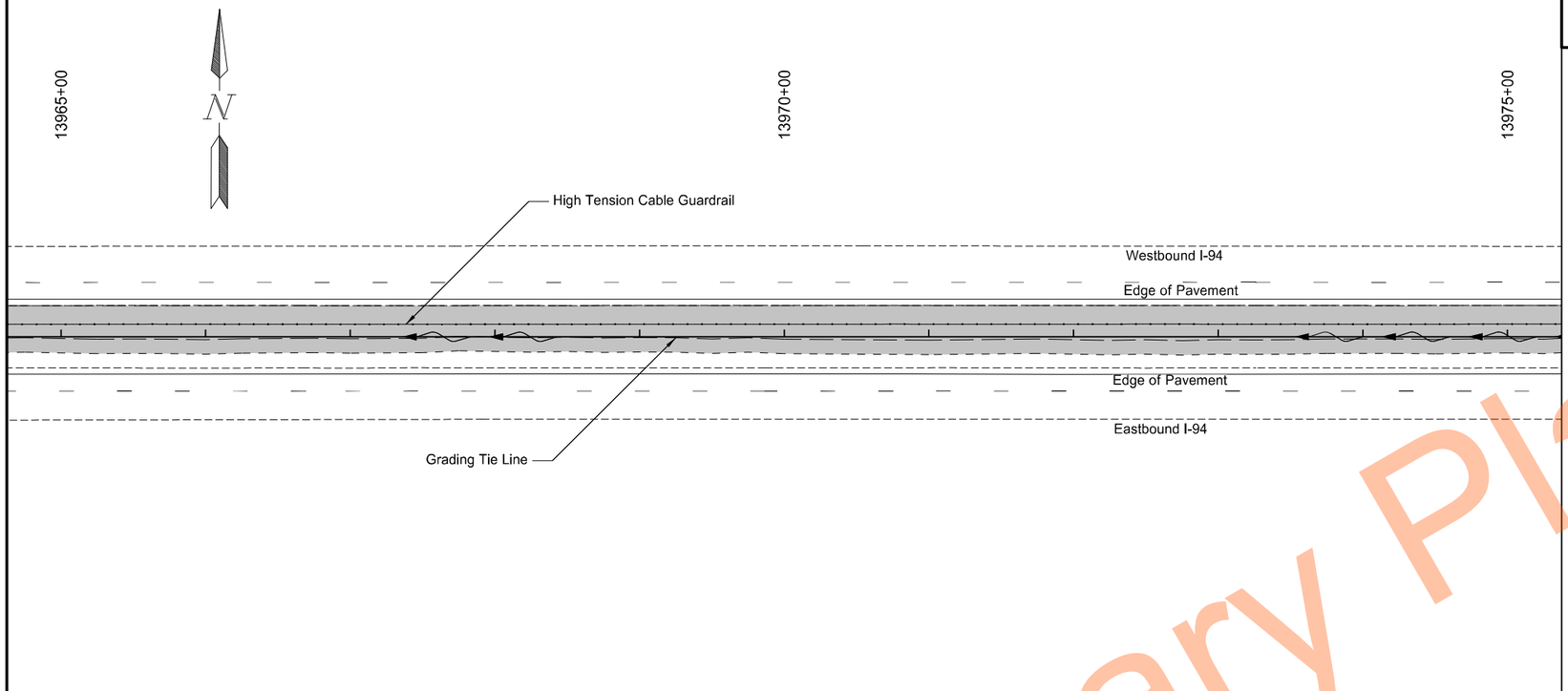
Temporary Sediment and Erosion Control

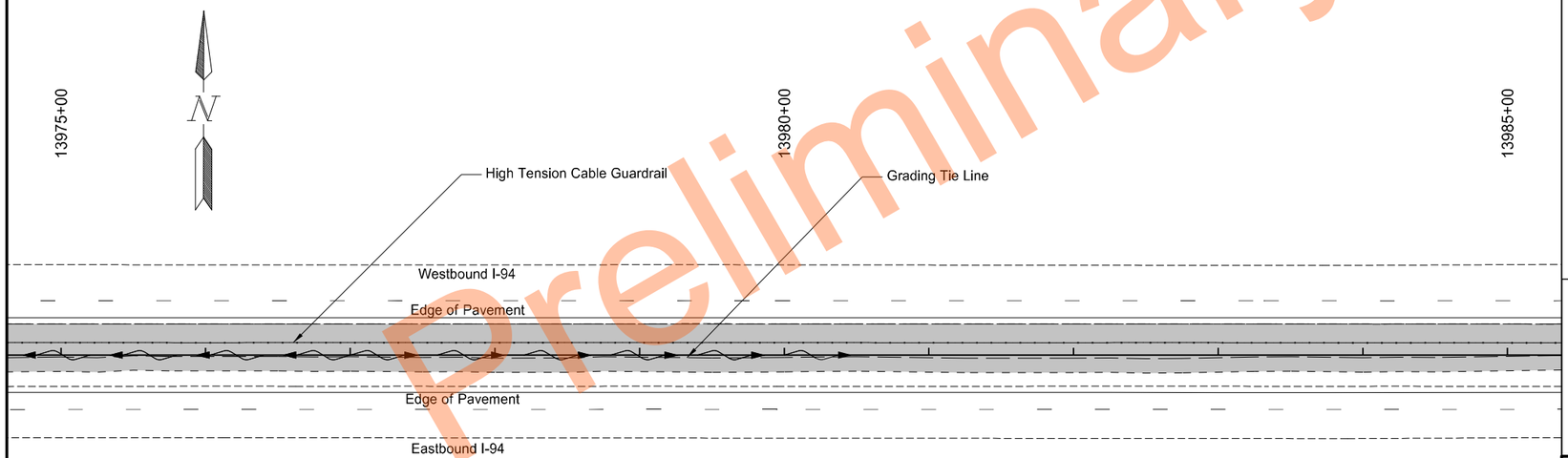
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



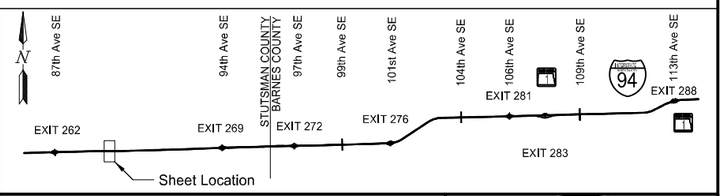


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	10

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13965+00.0 to 13985+00.0	1.52	Acre
253	0201	Hydraulic Mulch		
		13965+00.0 to 13985+00.0	1.52	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



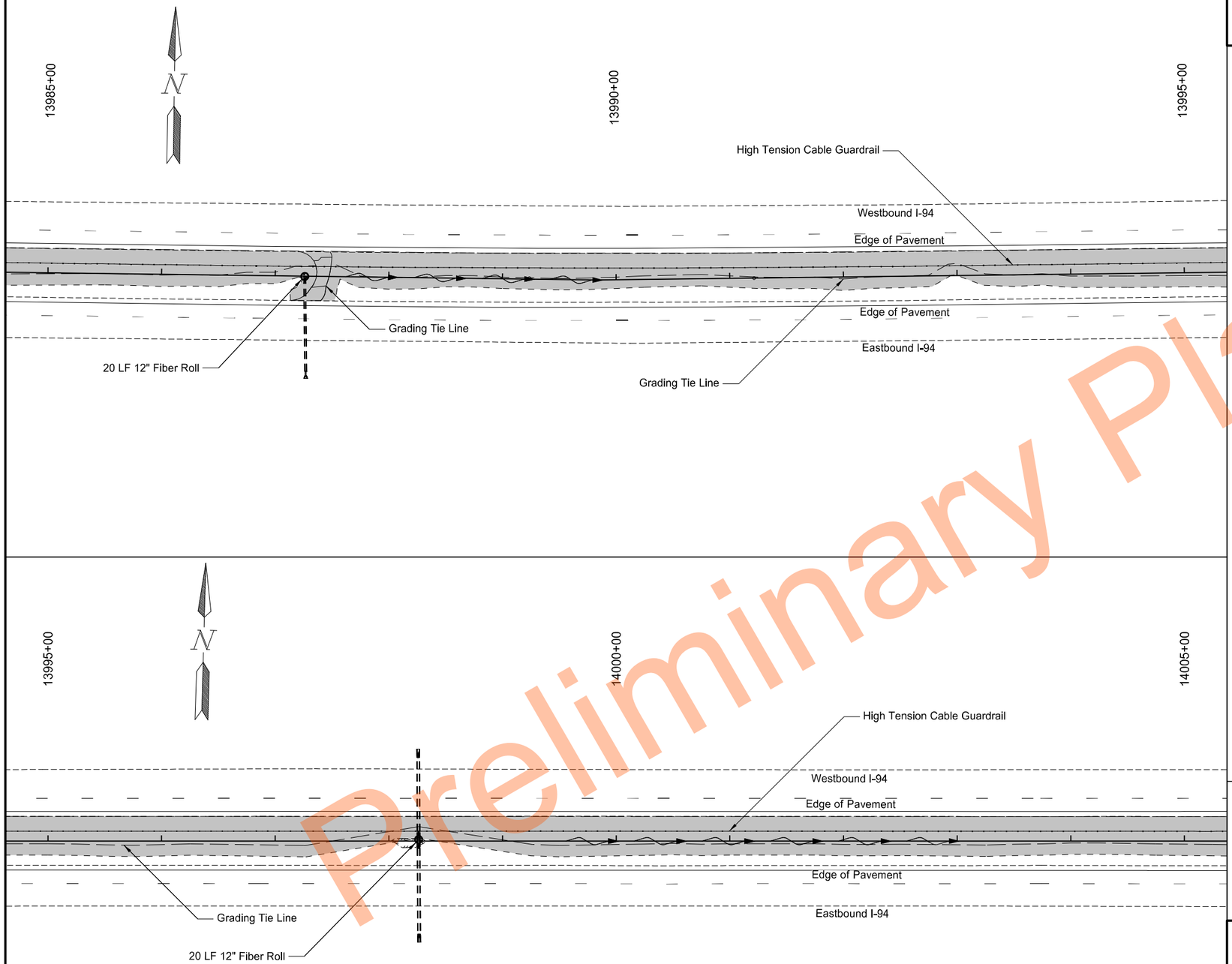
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



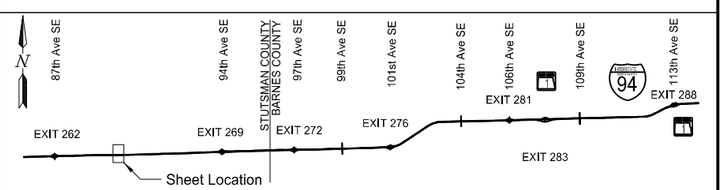
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	11

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		13985+00.0 to 14005+00.0	1.48	Acre
253	0201	Hydraulic Mulch		
		13985+00.0 to 14005+00.0	1.48	Acre
261	0112	Fiber Rolls 12IN		
		13987+26.1, Protect Inlet	20	LF
		13998+26.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		13987+26.1, Protect Inlet	20	LF
		13998+26.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

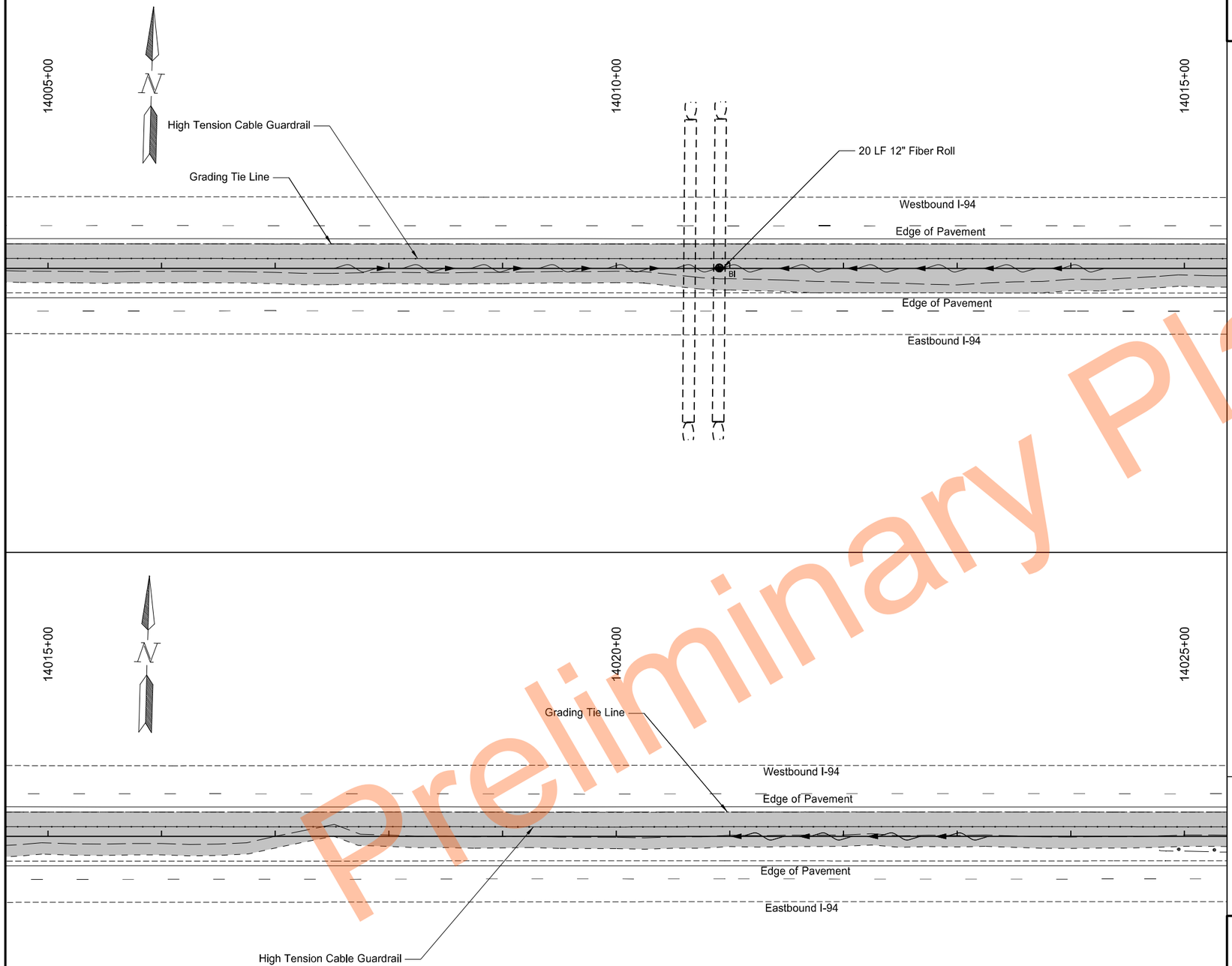


Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

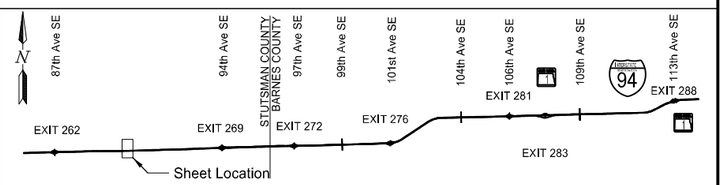


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	12

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14005+00.0 to 14025+00.0	1.61	Acre
253	0201	Hydraulic Mulch		
		14005+00.0 to 14025+00.0	1.61	Acre
261	0112	Fiber Rolls 12IN		
		14010+90.8, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14010+90.8, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



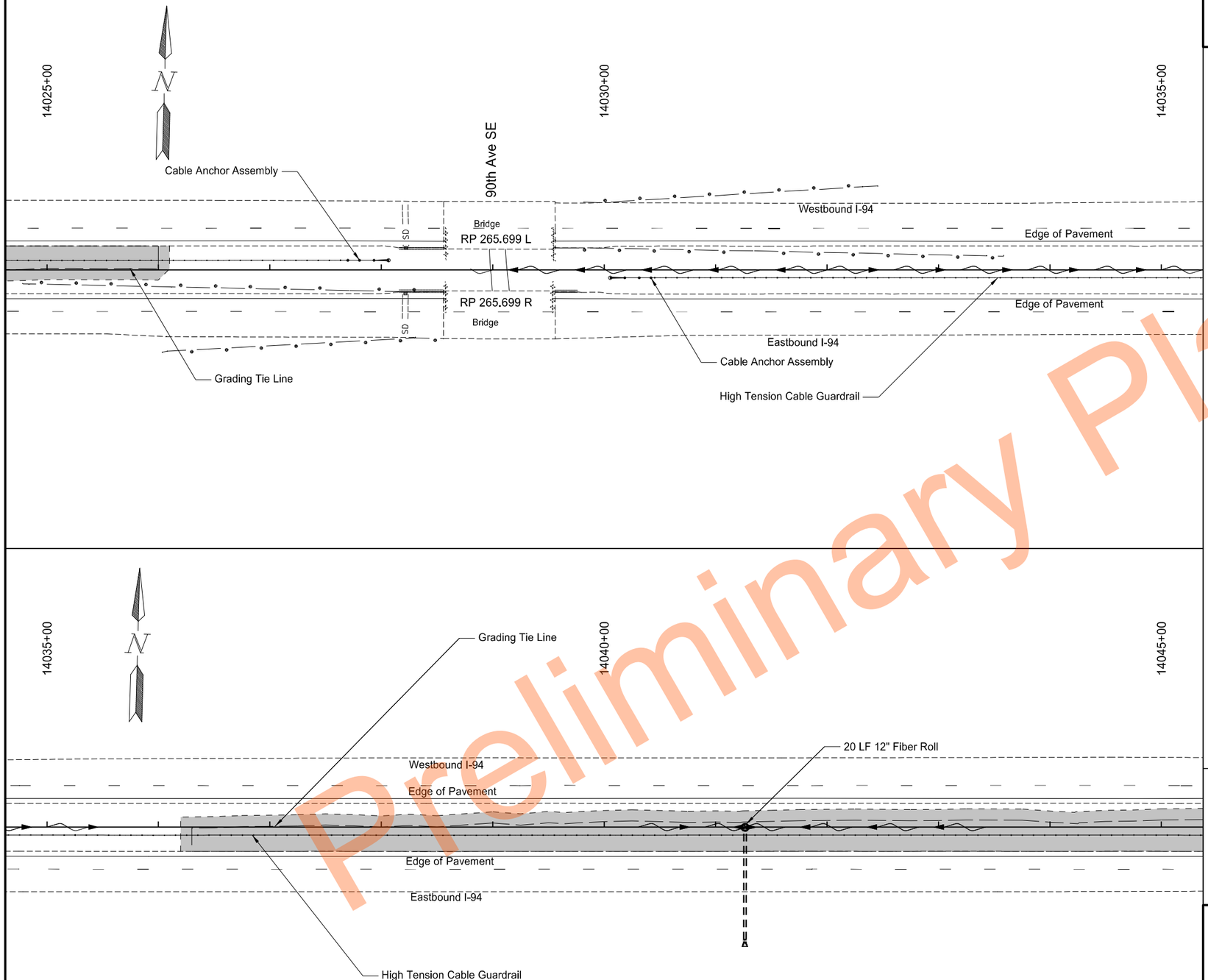
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

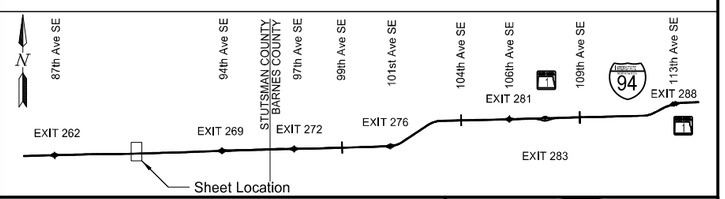


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	13

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14025+00.0 to 14026+10.0	0.08	Acre
		14036+20.0 to 14045+00.0	0.72	Acre
253	0201	Hydraulic Mulch		
		14025+00.0 to 14026+10.0	0.08	Acre
		14036+20.0 to 14045+00.0	0.72	Acre
261	0112	Fiber Rolls 12IN		
		14041+26.4, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14041+26.4, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



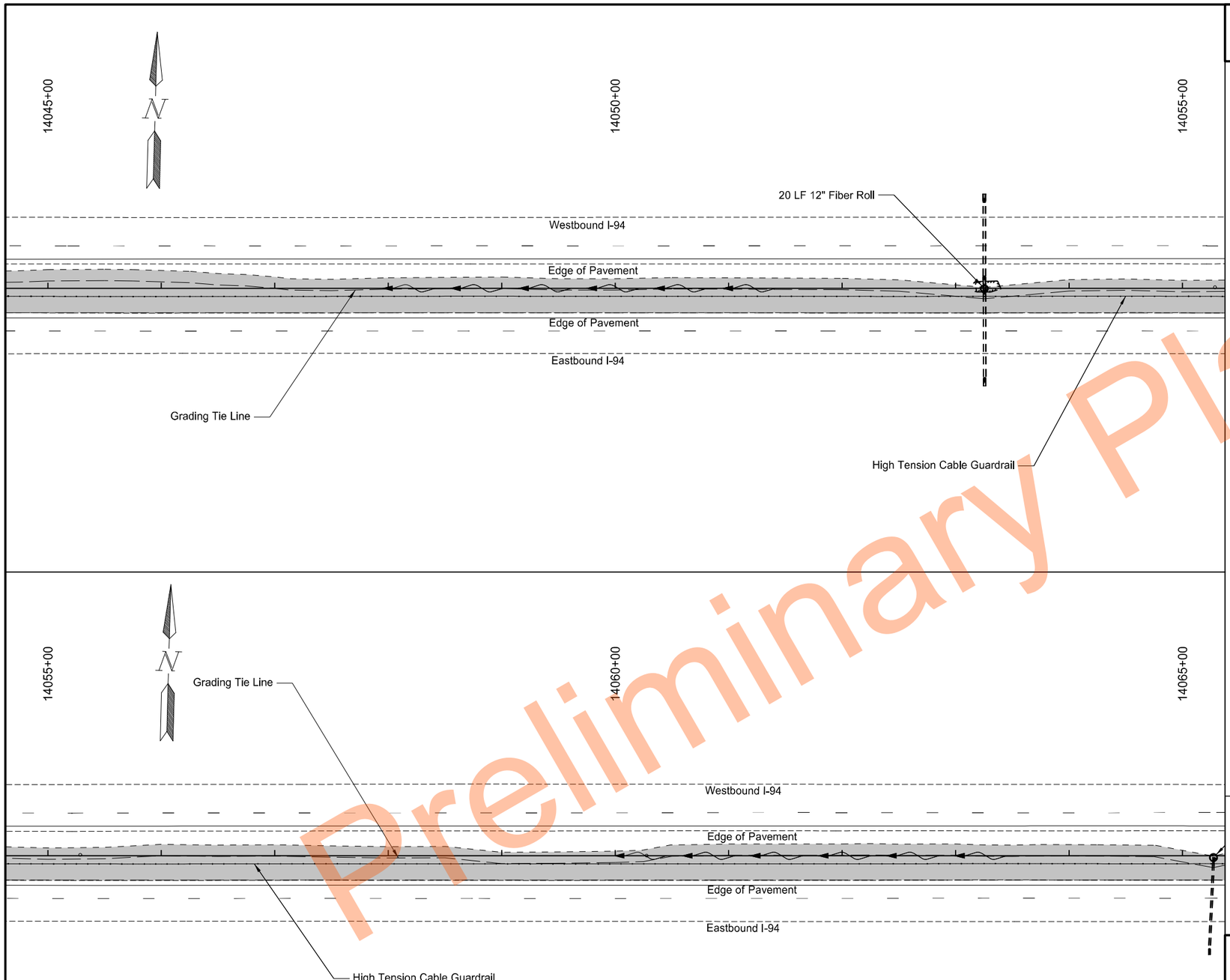
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

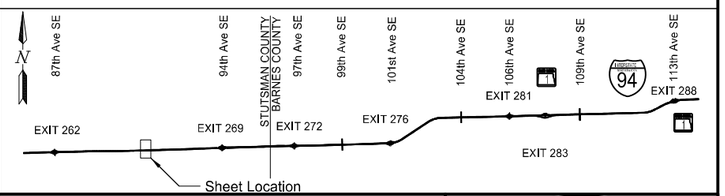


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	14

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14045+00.0 to 14065+00.0	1.40	Acre
253	0201	Hydraulic Mulch		
		14045+00.0 to 14065+00.0	1.40	Acre
261	0112	Fiber Rolls 12IN		
		14053+25.3, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14053+25.3, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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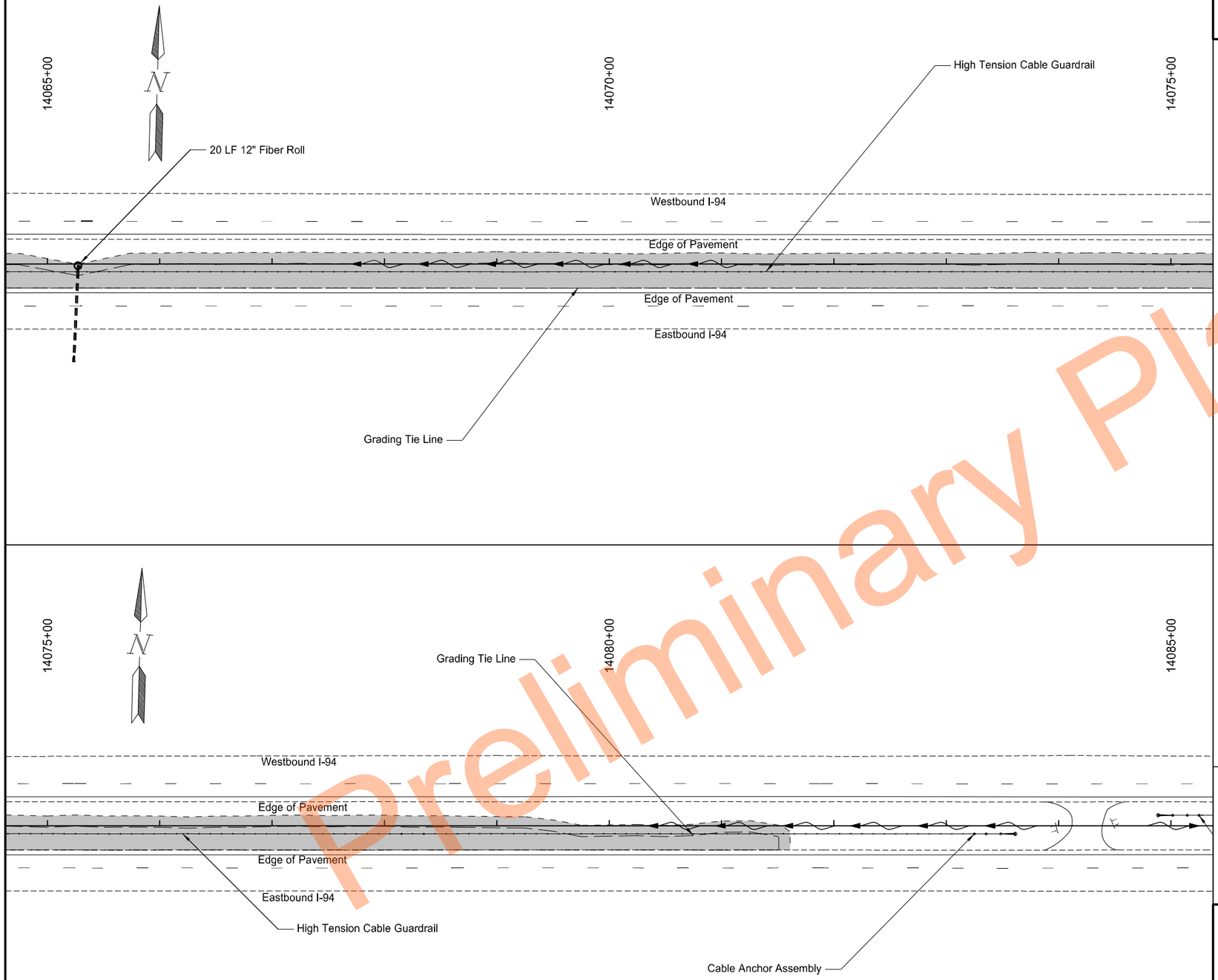
Preliminary Plans

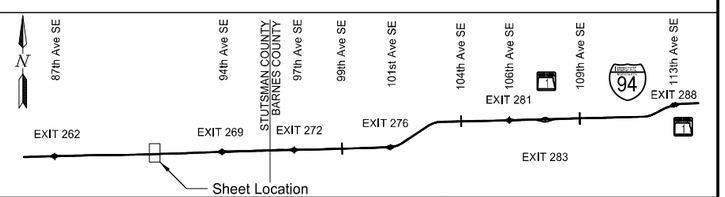


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	15

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14065+00.0 to 14081+61.0	1.13	Acre
253	0201	Hydraulic Mulch		
		14065+00.0 to 14081+61.0	1.13	Acre
261	0112	Fiber Rolls 12IN		
		14065+27.3, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14065+27.3, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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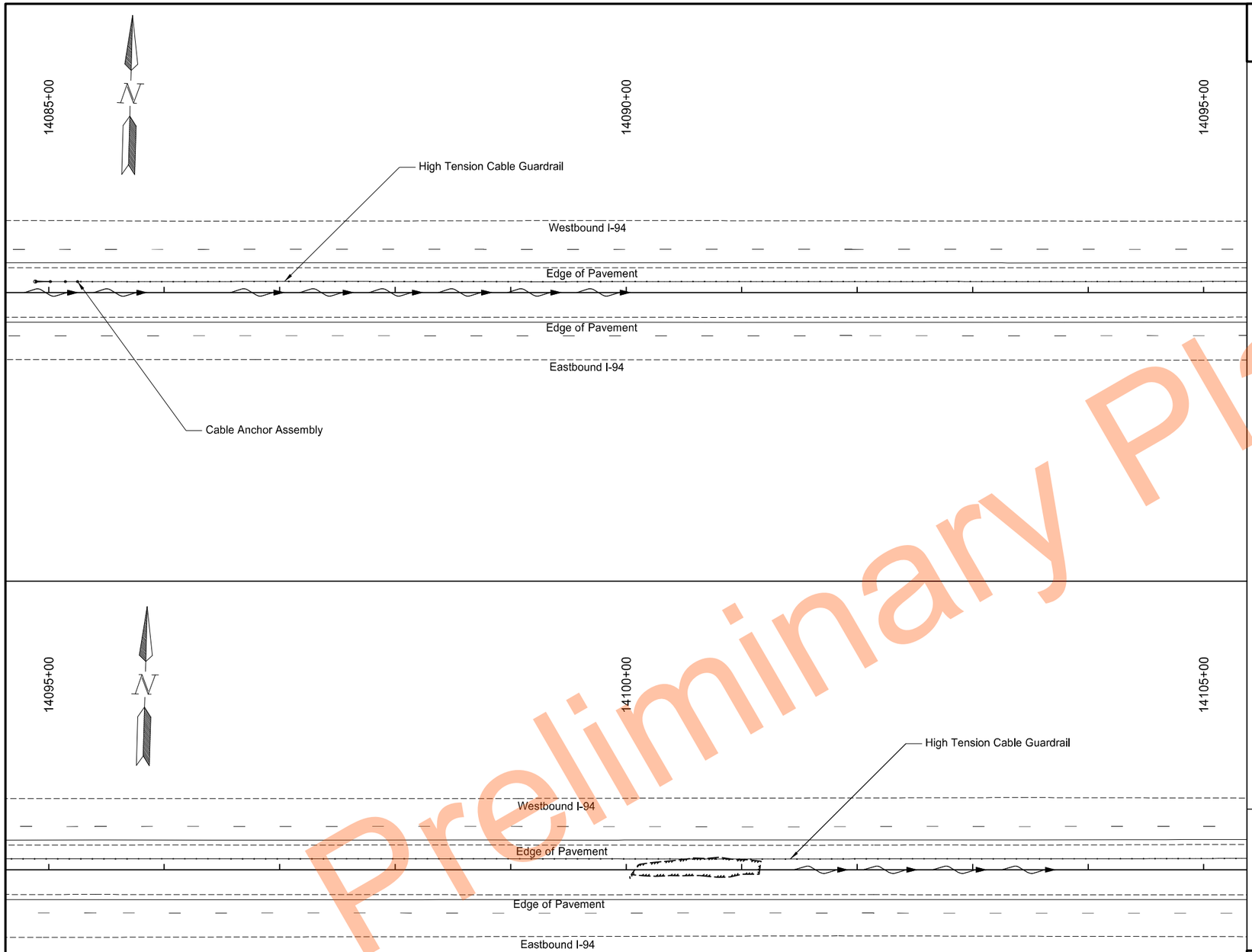
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

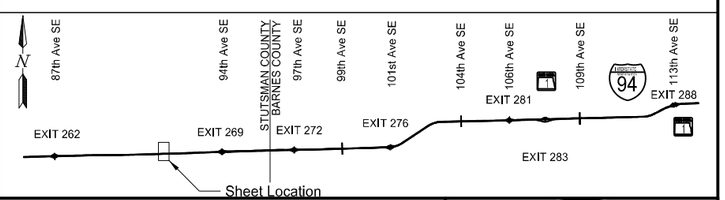
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	16



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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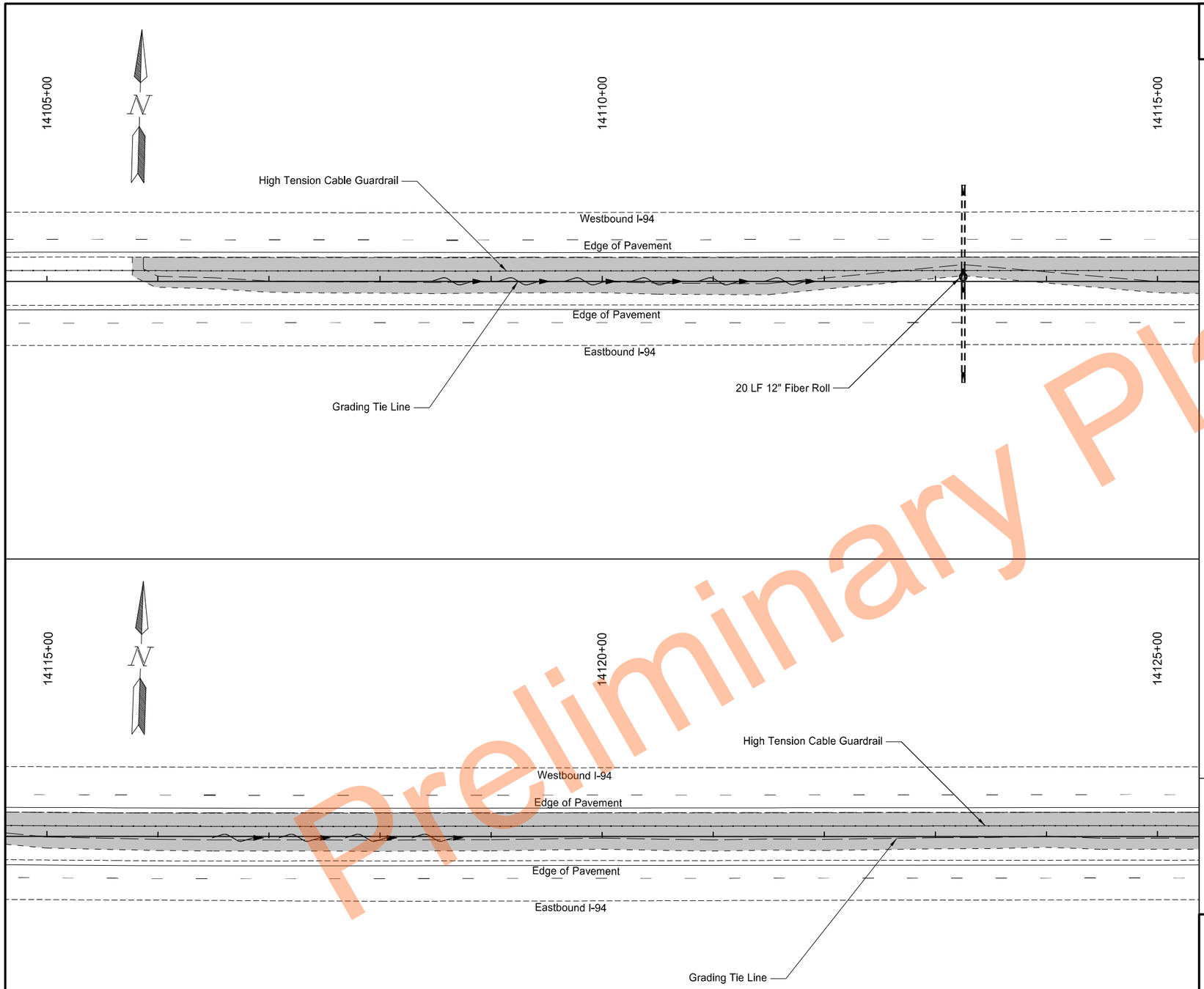


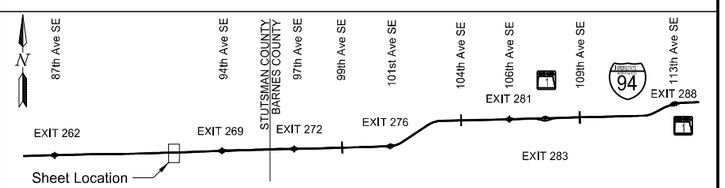
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	17

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14105+77.0 to 14125+00.0	1.38	Acre
253	0201	Hydraulic Mulch		
		14105+77.0 to 14125+00.0	1.38	Acre
261	0112	Fiber Rolls 12IN		
		14113+25.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14113+25.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

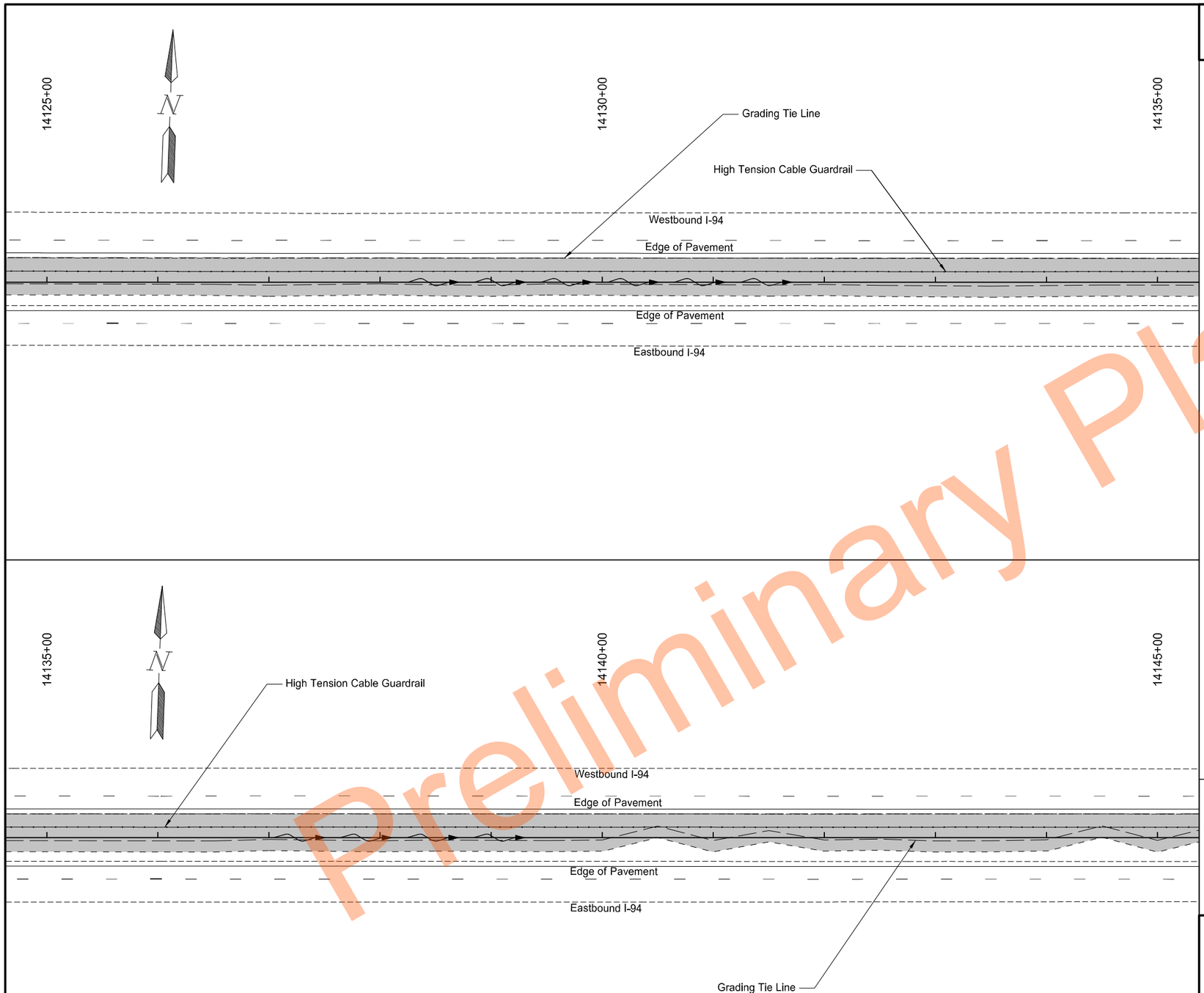


Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

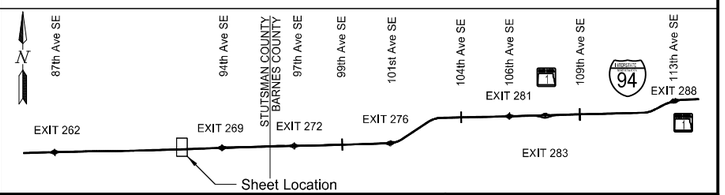


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	18

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14125+00.0 to 14145+00.0	1.52	Acre
253	0201	Hydraulic Mulch		
		14125+00.0 to 14145+00.0	1.52	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
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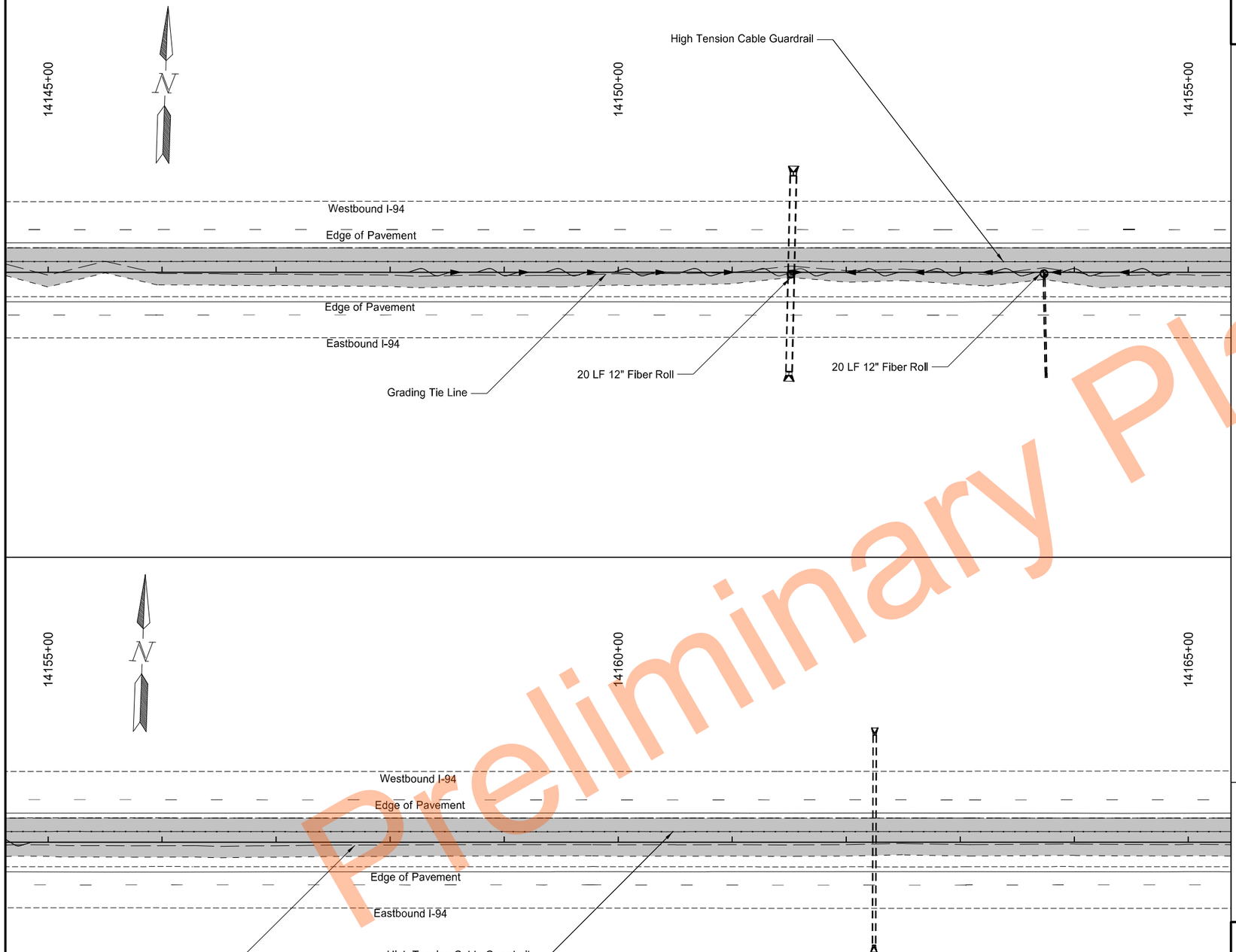
NORTH DAKOTA

Preliminary Plans



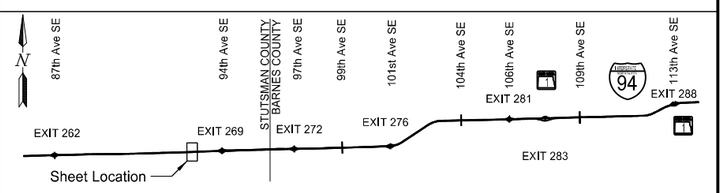
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	19

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14145+00.0 to 14165+00.0	1.50	Acre
253	0201	Hydraulic Mulch		
		14145+00.0 to 14165+00.0	1.50	Acre
261	0112	Fiber Rolls 12IN		
		14151+51.6, Protect Inlet	20	LF
		14153+73.5, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14151+51.6, Protect Inlet	20	LF
		14153+73.5, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

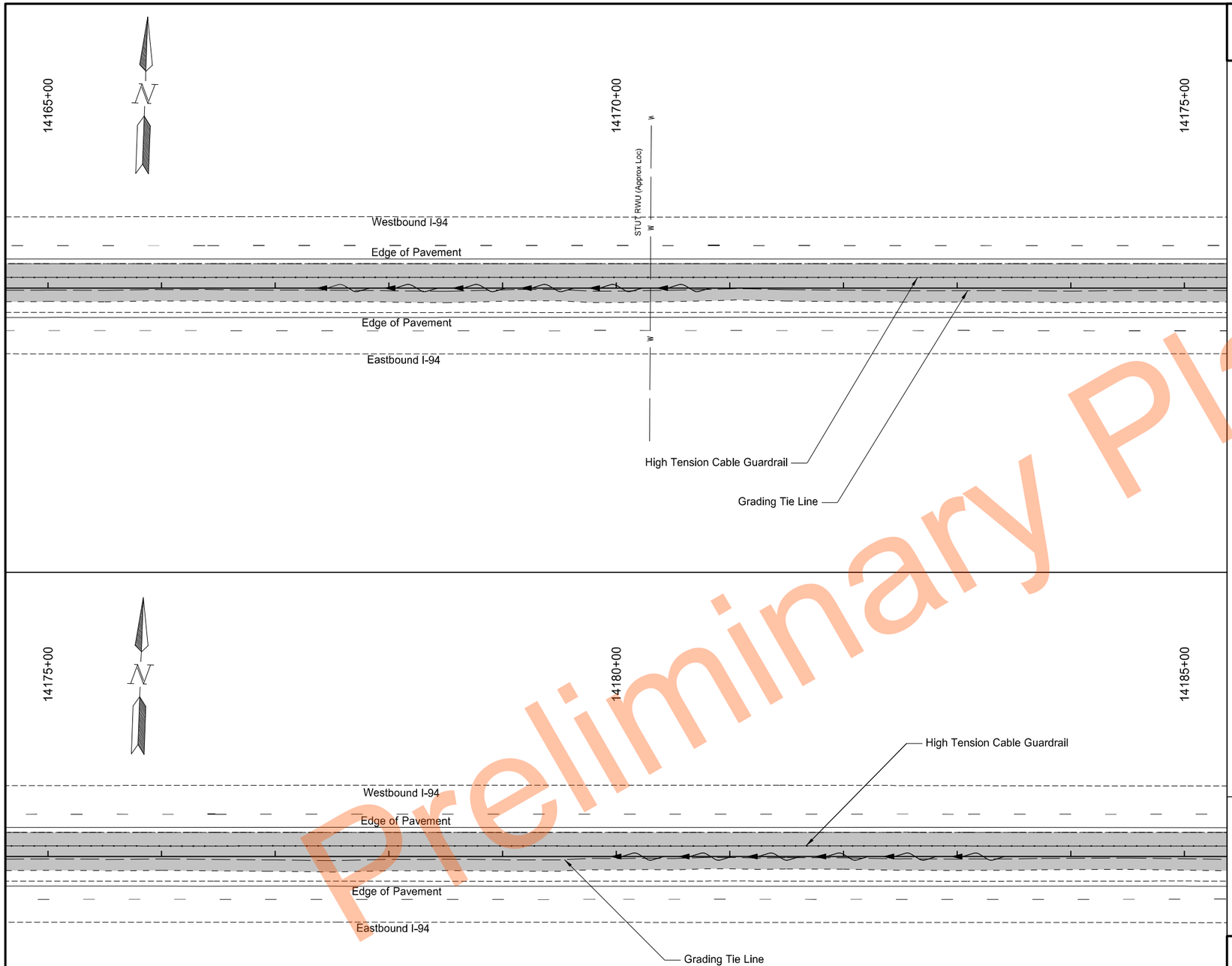


Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA



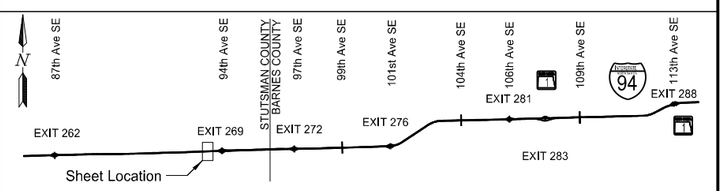
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	20

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14165+00.0 to 14185+00.0	1.53	Acre
253	0201	Hydraulic Mulch		
		14165+00.0 to 14185+00.0	1.53	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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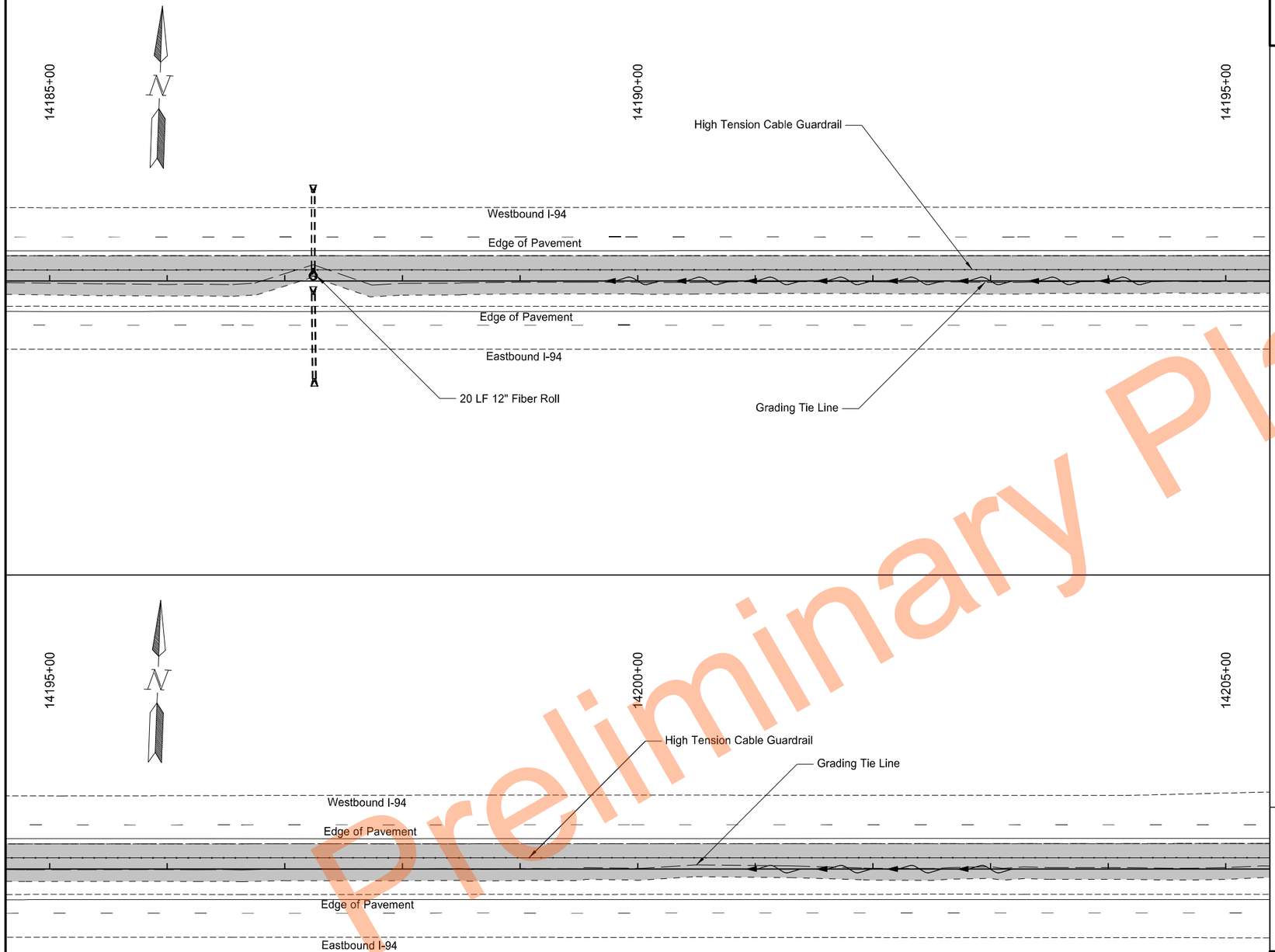


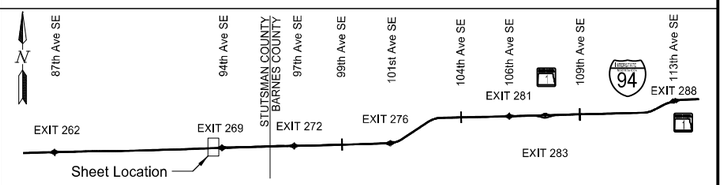
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	21

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14185+00.0 to 14205+00.0	1.44	Acre
253	0201	Hydraulic Mulch		
		14185+00.0 to 14205+00.0	1.44	Acre
261	0112	Fiber Rolls 12IN		
		14187+24.1, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14187+24.1, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

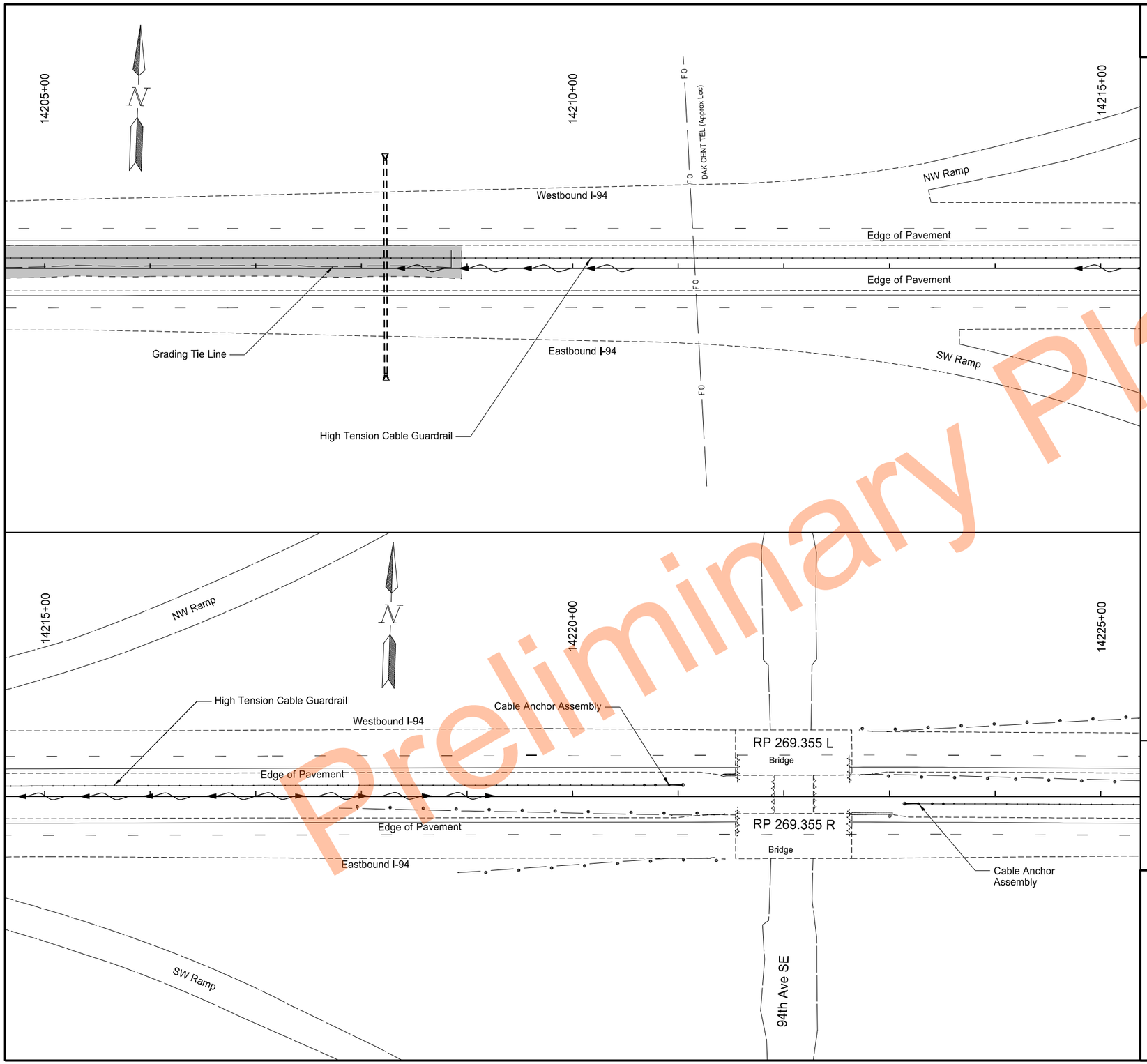
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

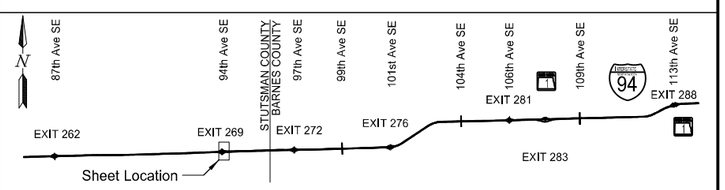
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	22

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14205+00.0 to 14208+95.0	0.27	Acre
253	0201	Hydraulic Mulch		
		14205+00.0 to 14208+95.0	0.27	Acre



Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

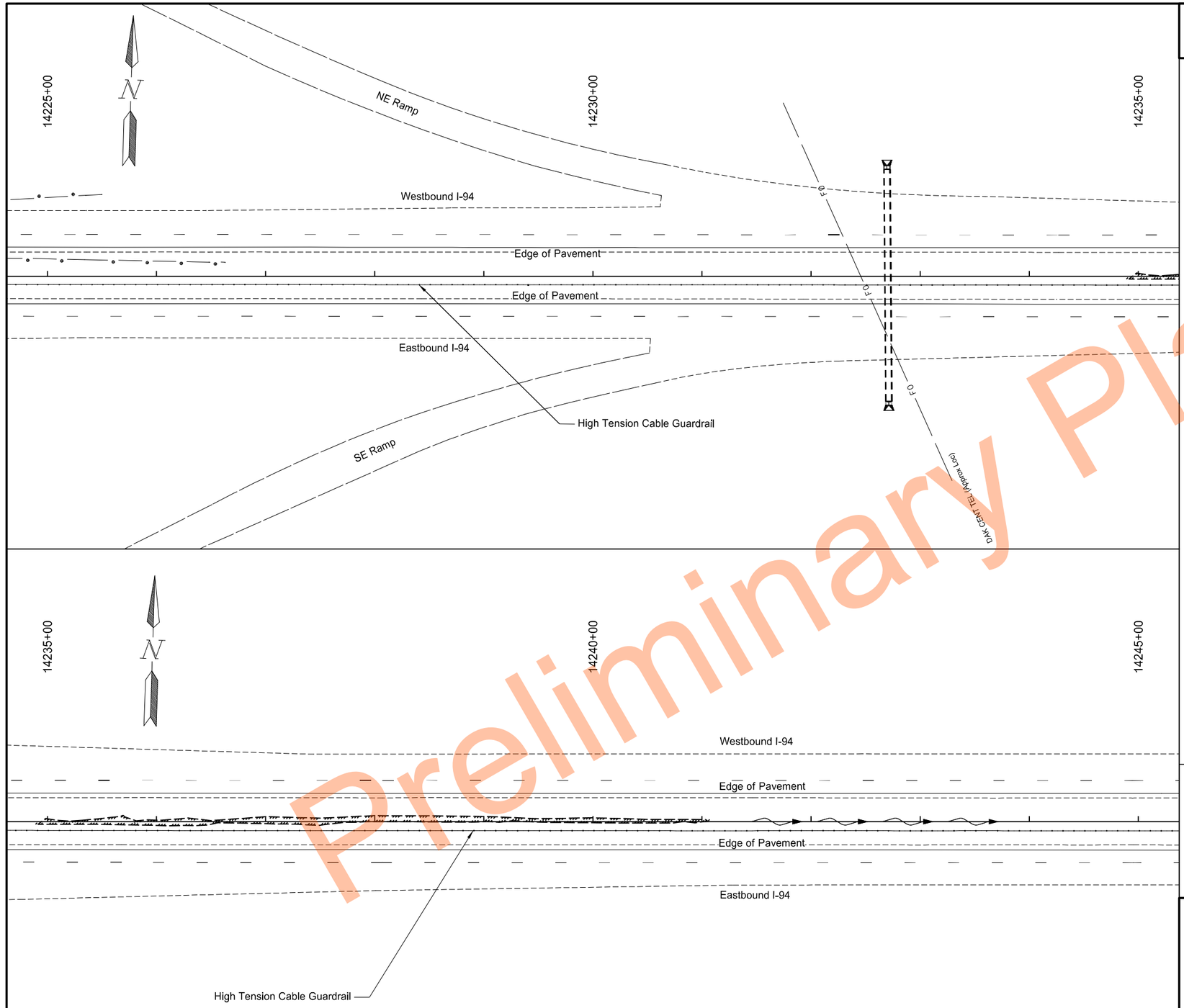
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

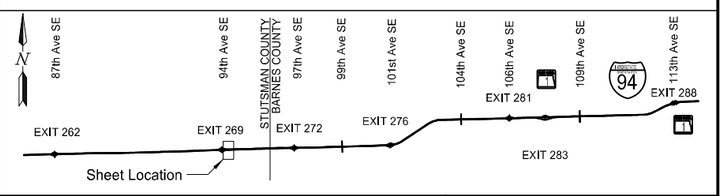
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	23



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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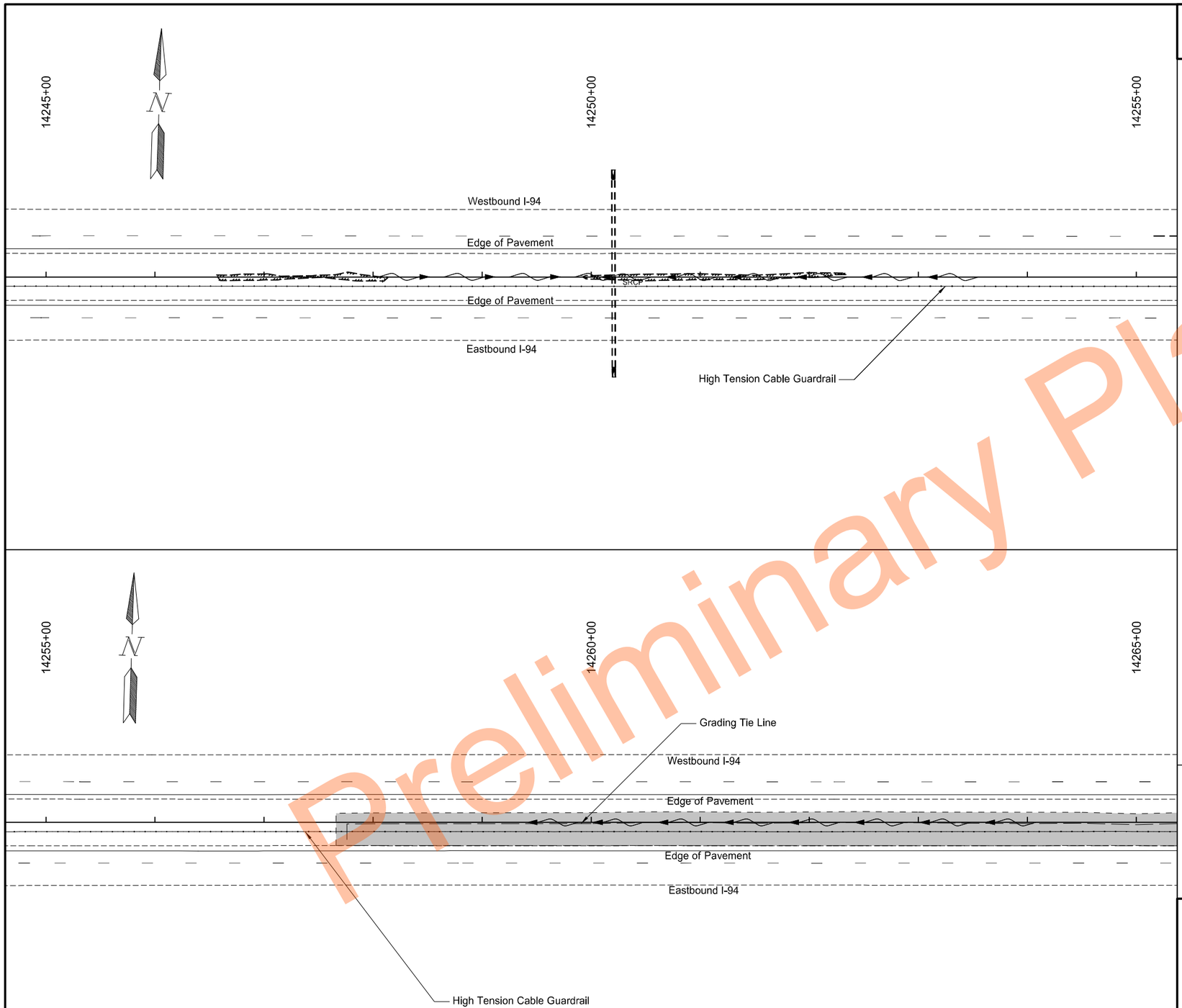


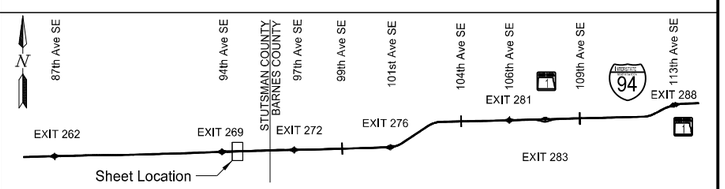
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	24

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14257+66.0 to 14265+00.0	0.52	Acre
253	0201	Hydraulic Mulch		
		14257+66.0 to 14265+00.0	0.52	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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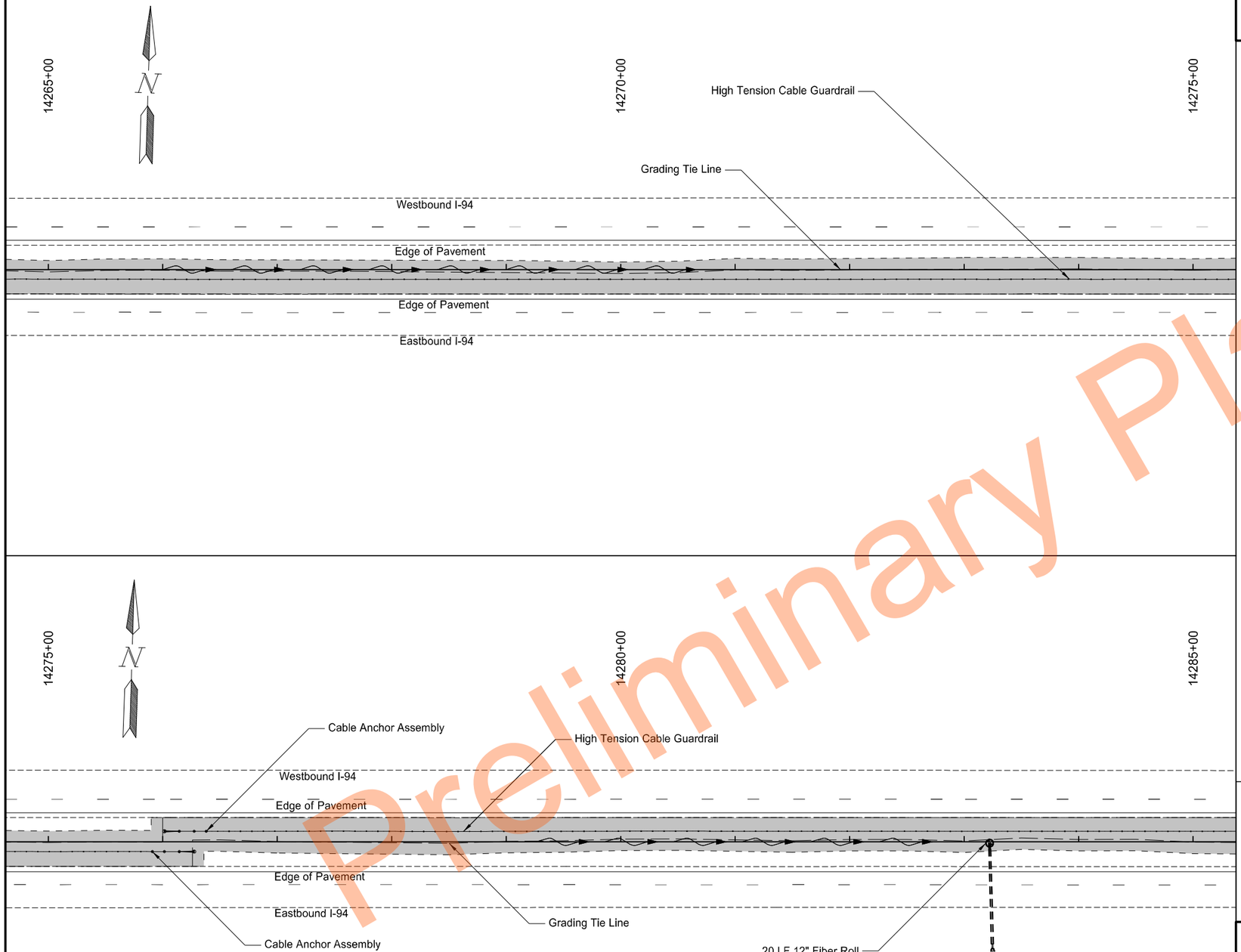
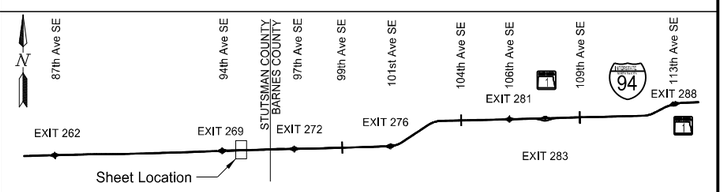


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	25

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14265+00.0 to 14285+00.0	1.40	Acre
253	0201	Hydraulic Mulch		
		14265+00.0 to 14285+00.0	1.40	Acre
261	0112	Fiber Rolls 12IN		
		14283+22.3, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14283+22.3, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



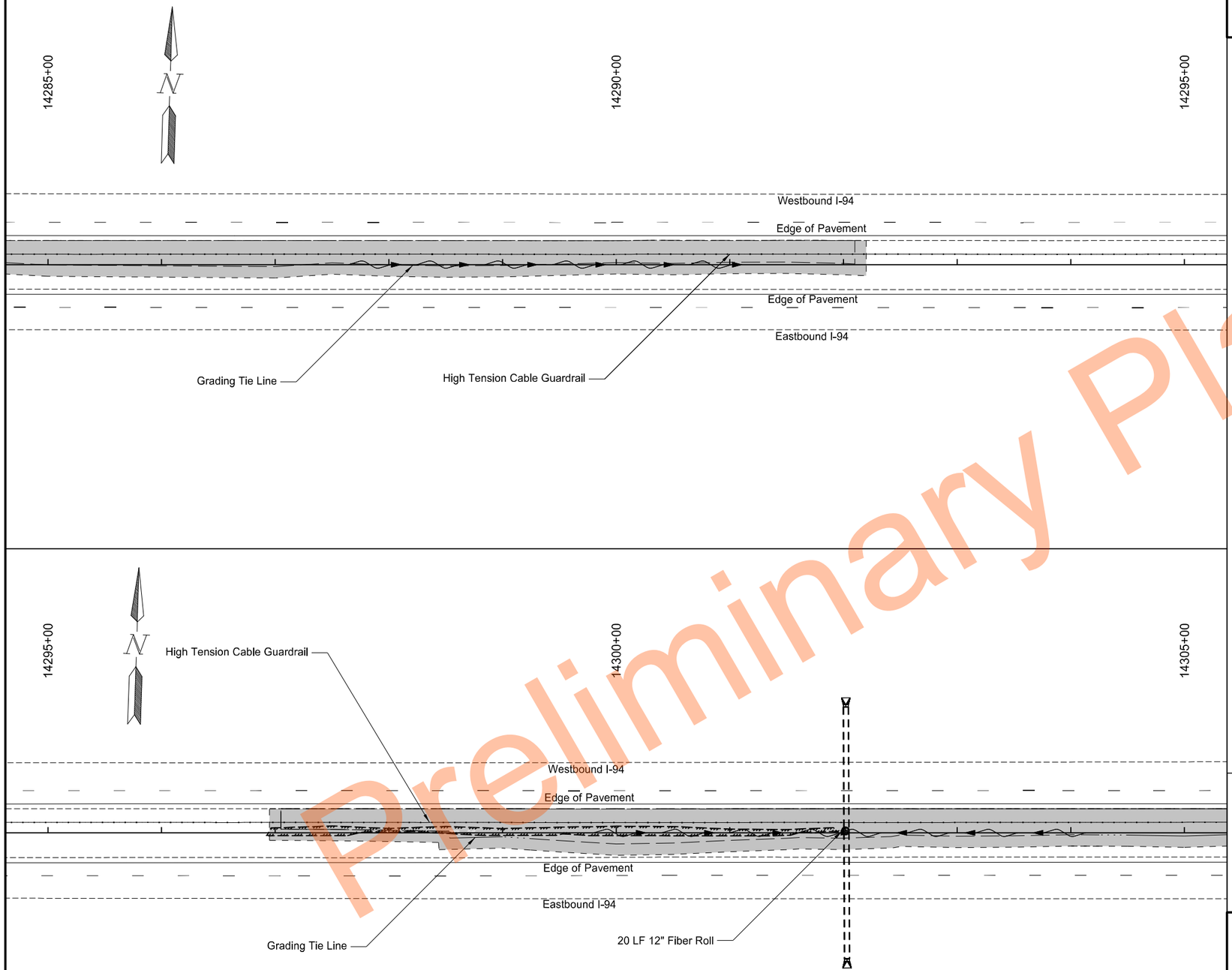
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 250 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

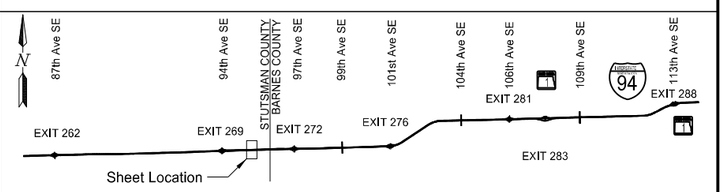


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	26

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14285+00.0 to 14292+20.0	0.51	Acre
		14296+95.0 to 14305+00.0	0.64	Acre
253	0201	Hydraulic Mulch		
		14285+00.0 to 14292+20.0	0.51	Acre
		14296+95.0 to 14305+00.0	0.64	Acre
261	0112	Fiber Rolls 12IN		
		14302+01.7, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14302+01.7, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
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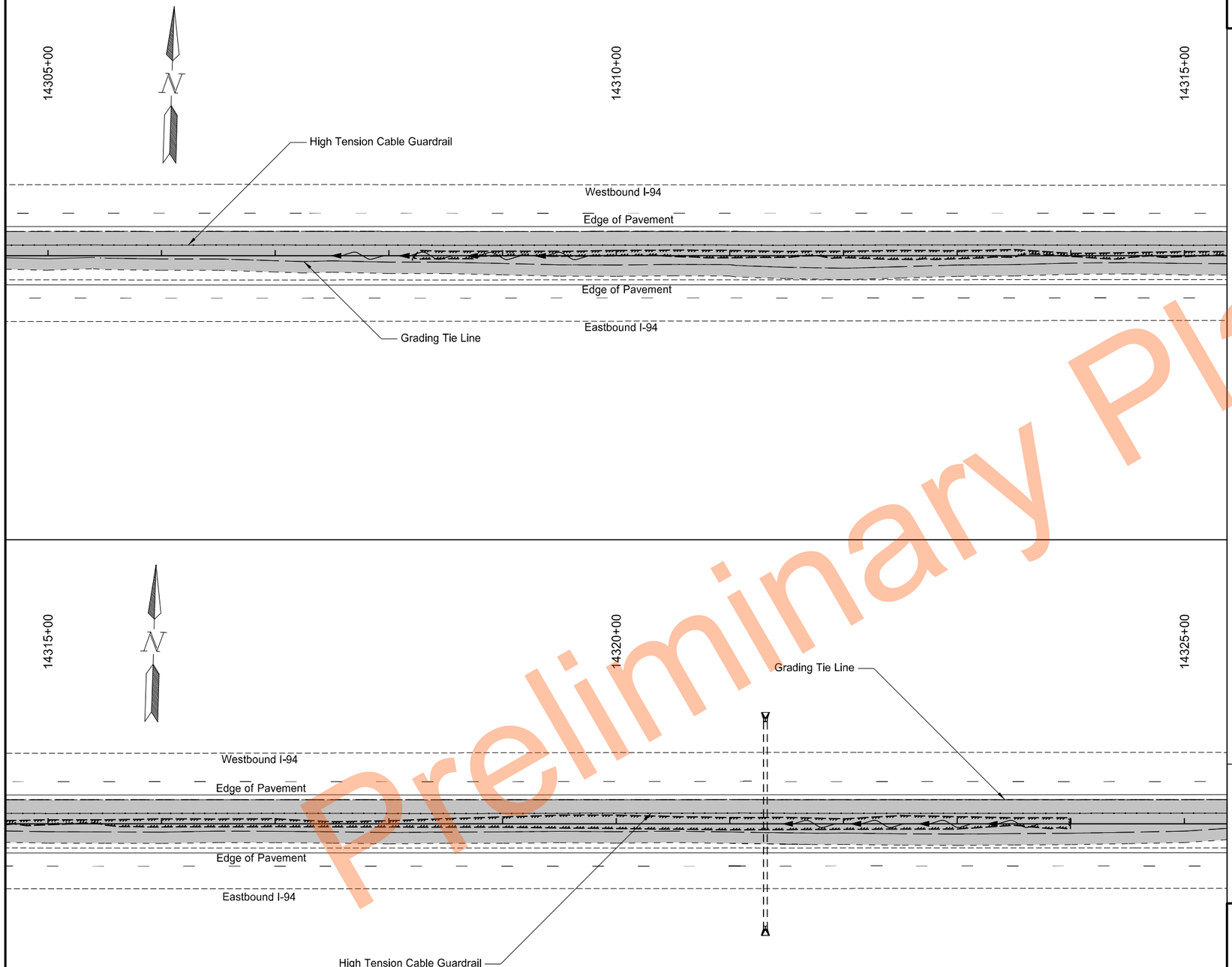
Preliminary Plans

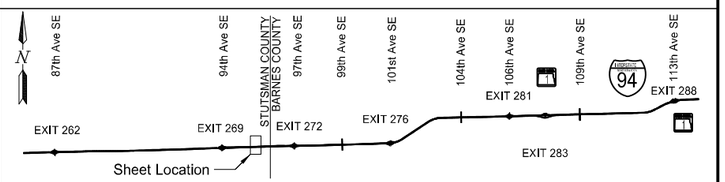


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	27

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14305+00.0 to 14325+00.0	1.76	Acre
253	0201	Hydraulic Mulch		
		14305+00.0 to 14325+00.0	1.76	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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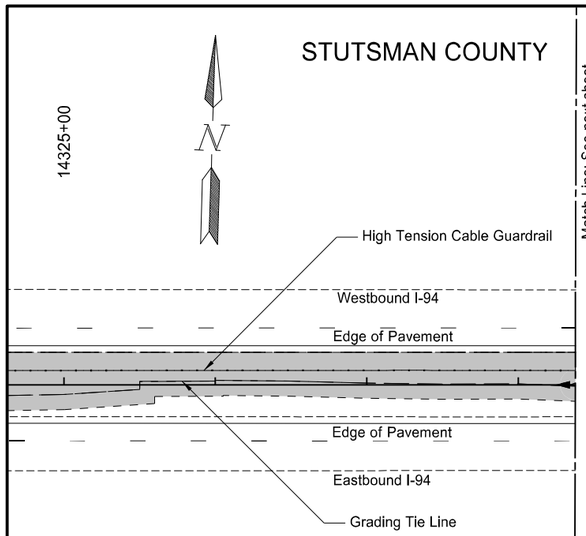
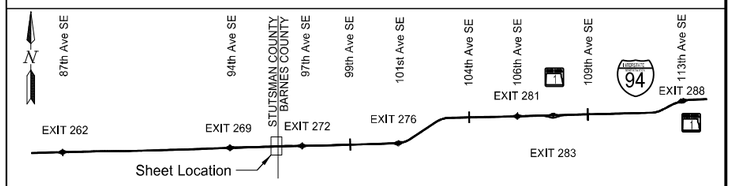


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	28

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14325+00.0 to 14328+37.7	0.24	Acre
253	0201	Hydraulic Mulch		
		14325+00.0 to 14328+37.7	0.24	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
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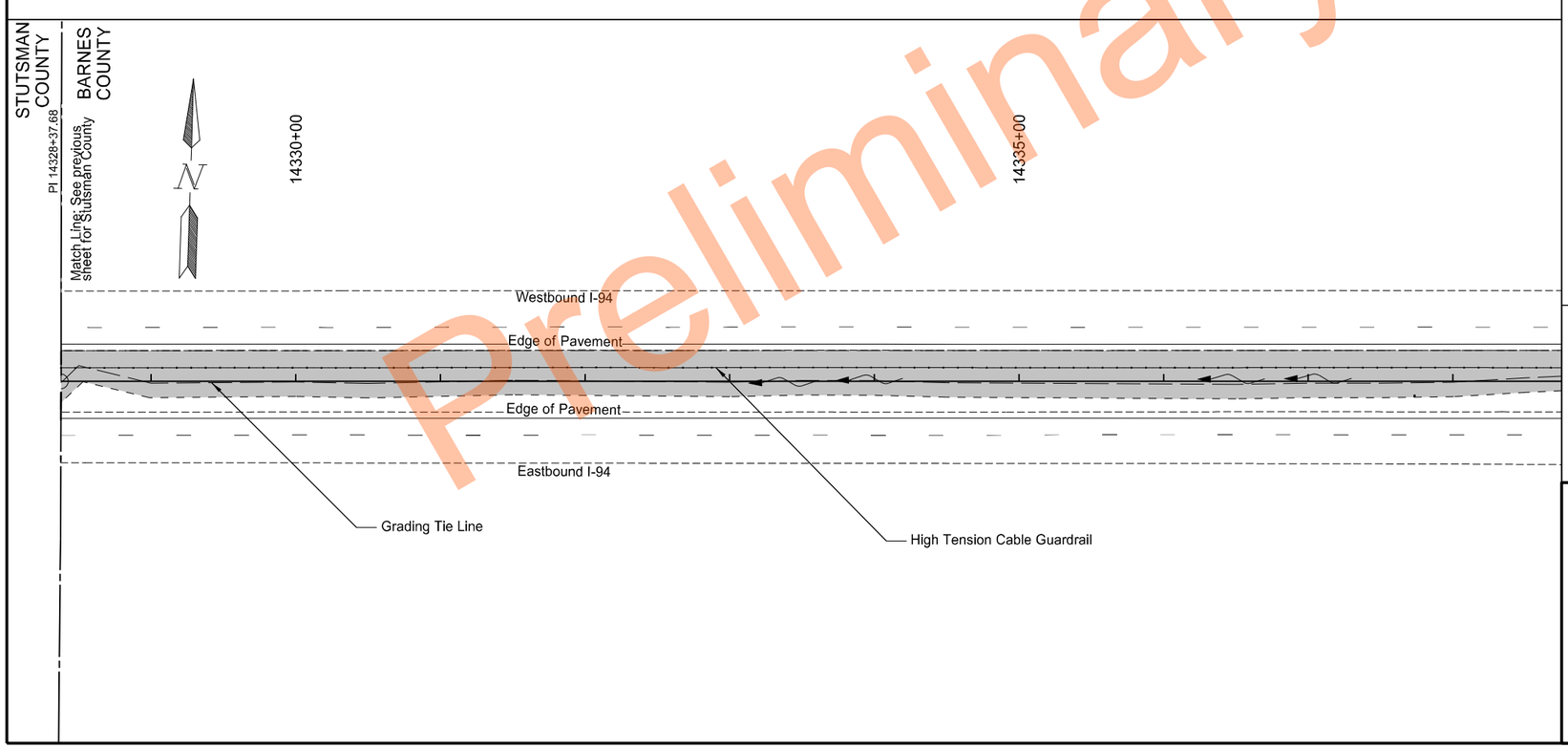
Preliminary Plans

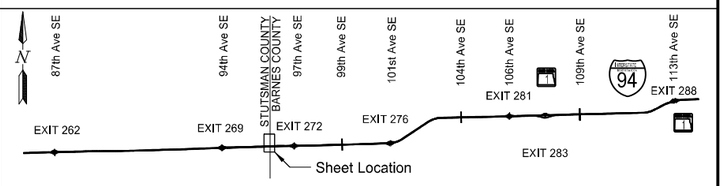
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	29

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14328+37.7 to 14338+50.0	0.74	Acre
253	0201	Hydraulic Mulch		
		14328+37.7 to 14338+50.0	0.74	Acre



Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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NIKKI J OLSON
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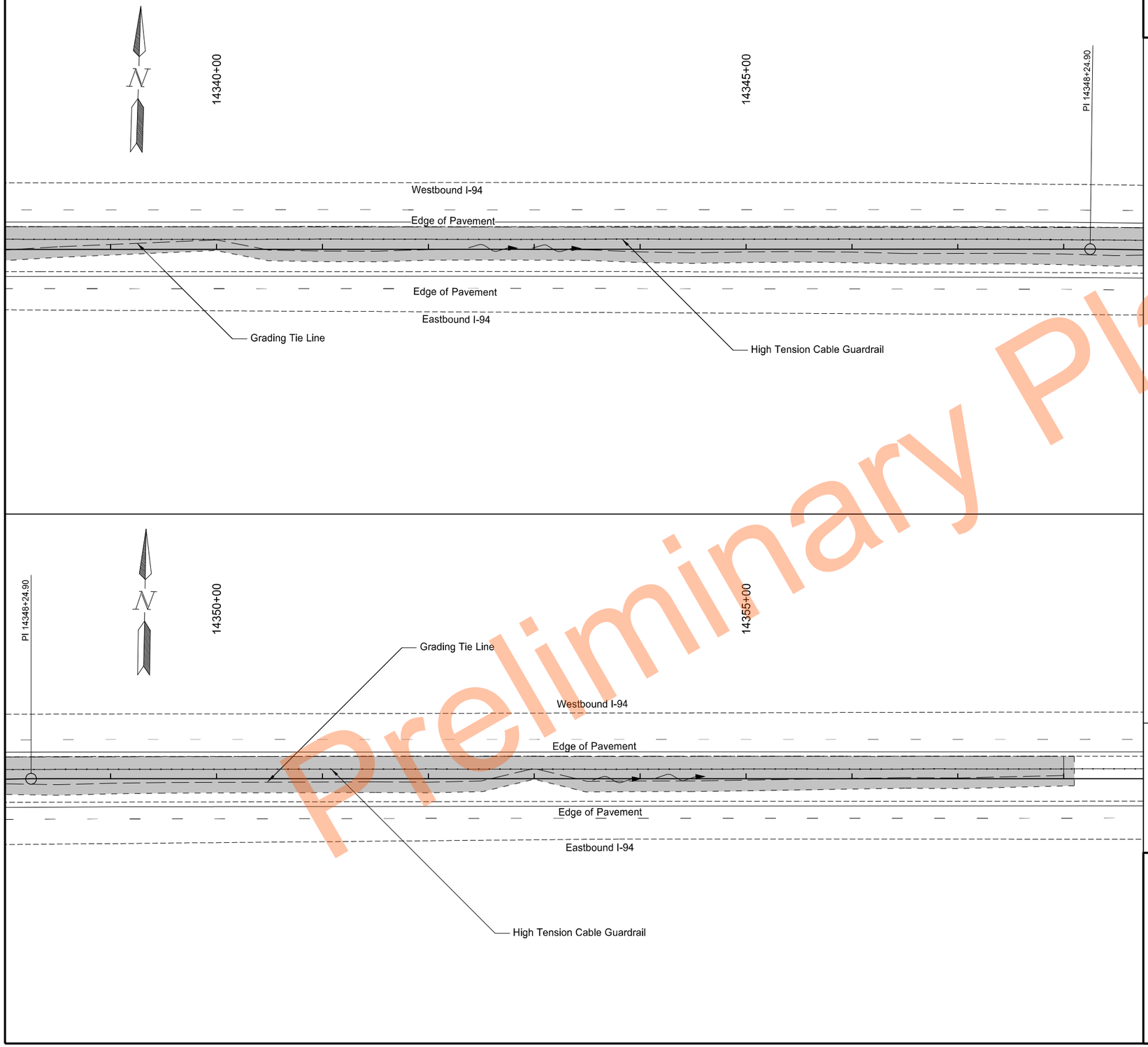


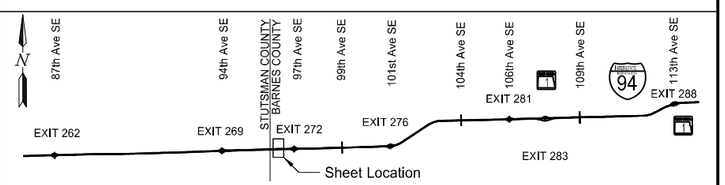
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	30

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14338+50.0 to 14358+10.0	1.45	Acre
253	0201	Hydraulic Mulch		
		14338+50.0 to 14358+10.0	1.45	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
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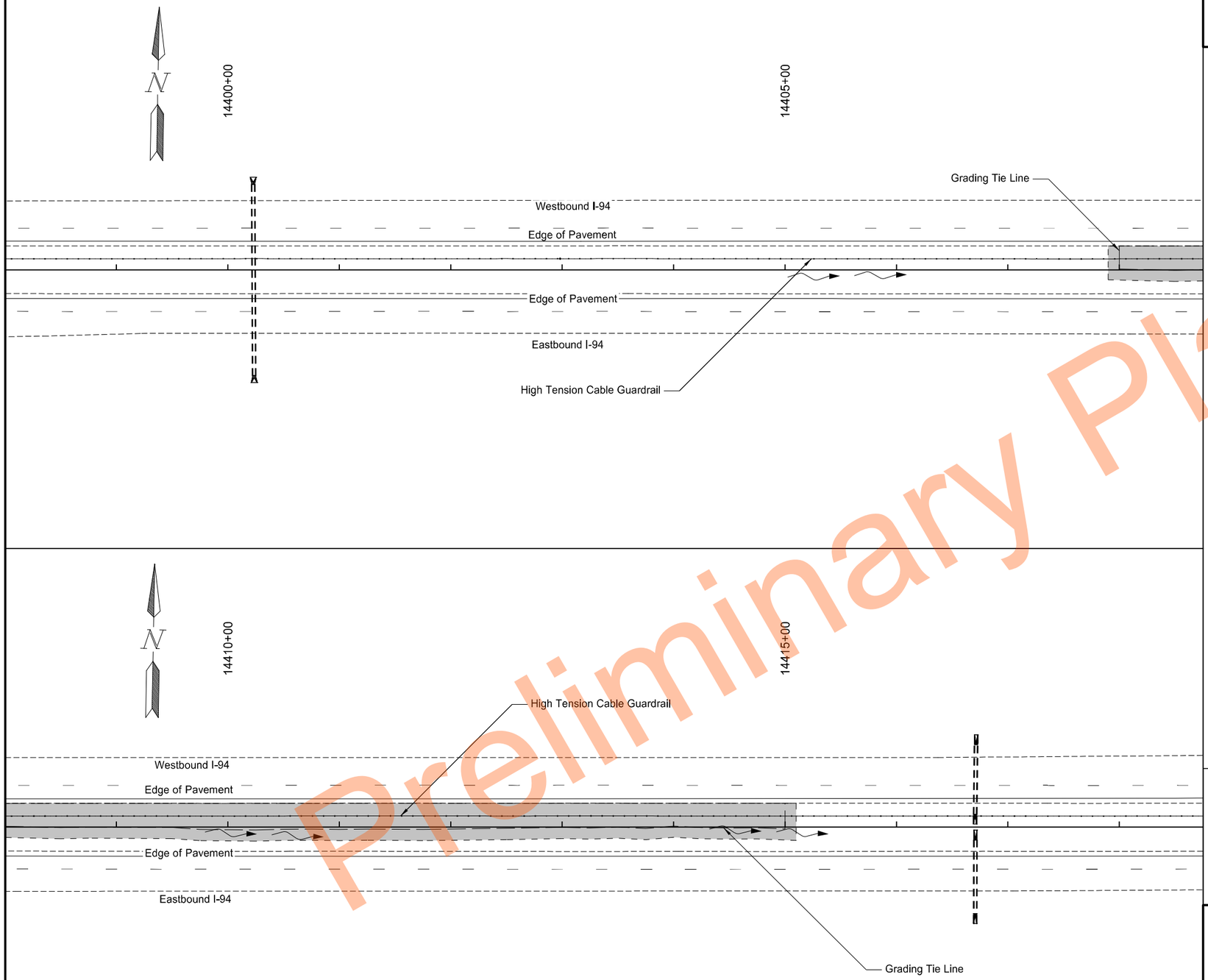
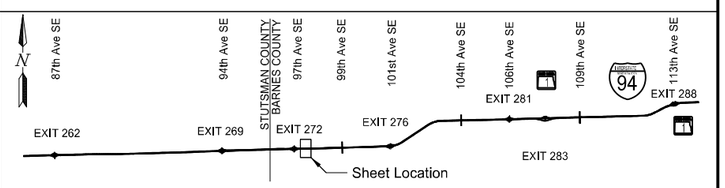


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	31

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14407+90.0 to 14415+10.0	0.54	Acre
253	0201	Hydraulic Mulch		
		14407+90.0 to 14415+10.0	0.54	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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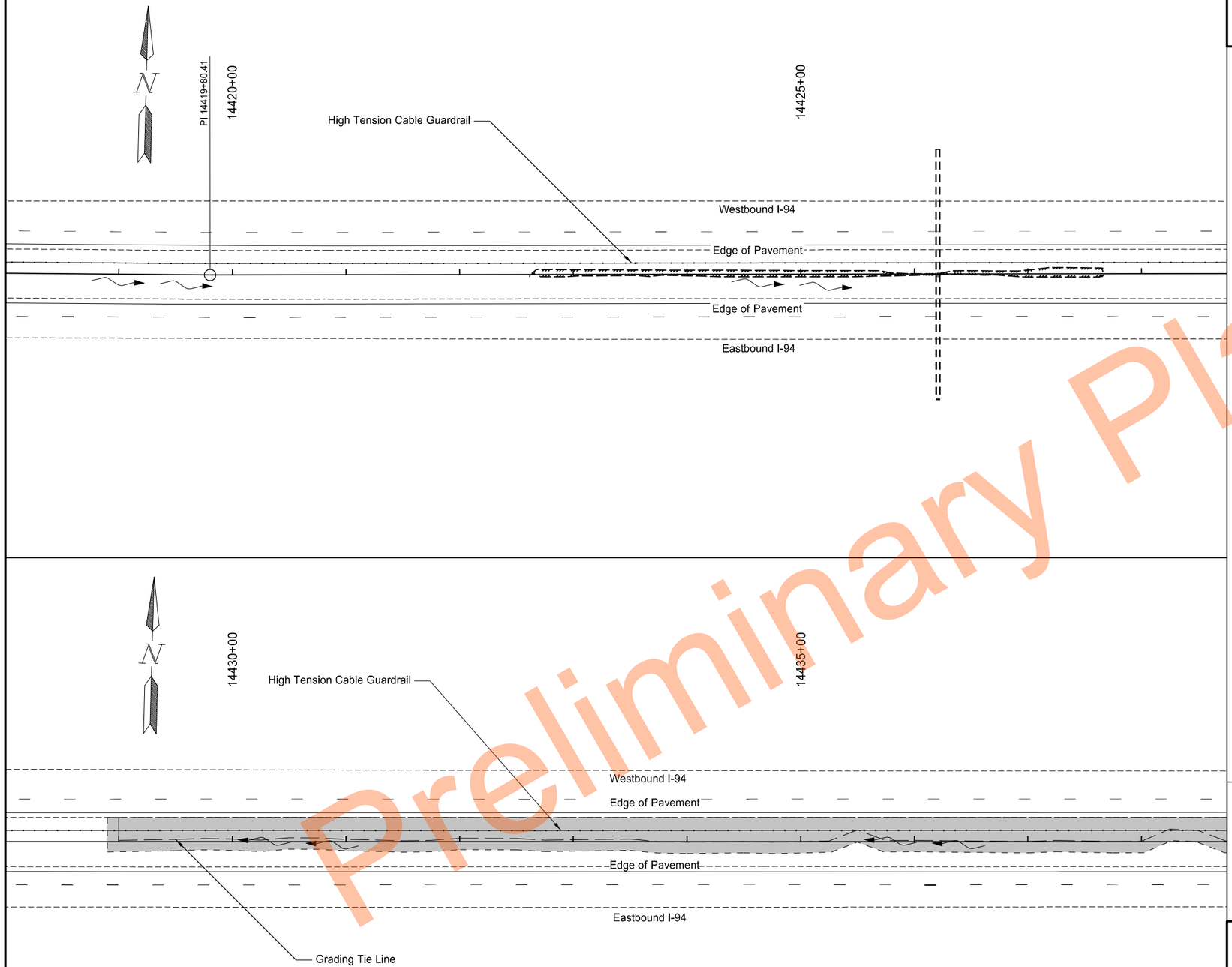
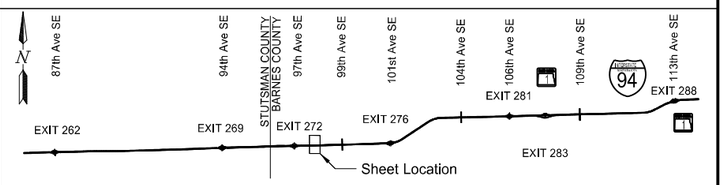


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	32

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14428+90.0 to 14438+50.0	0.65	Acre
253	0201	Hydraulic Mulch		
		14428+90.0 to 14438+50.0	0.65	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

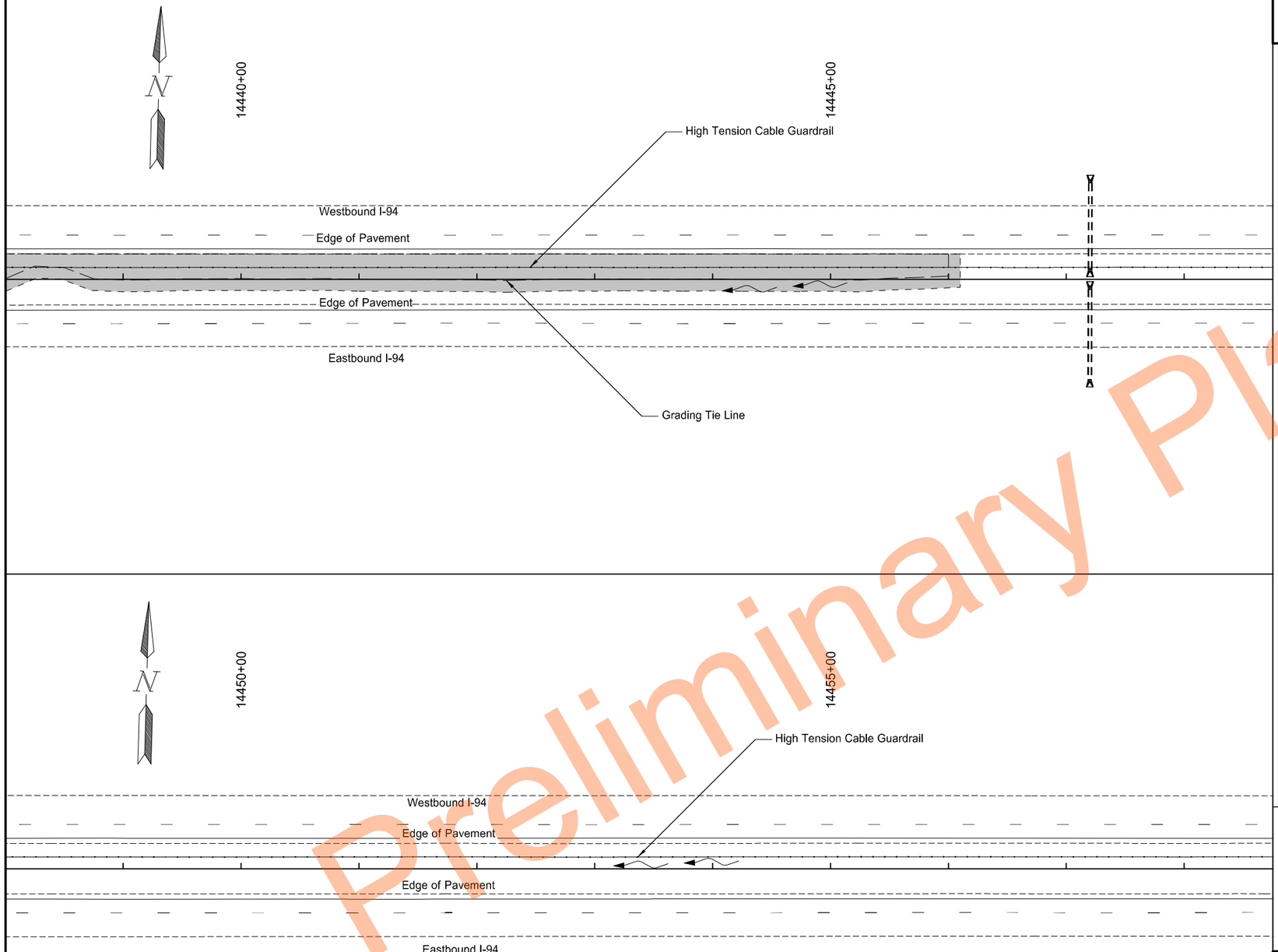
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

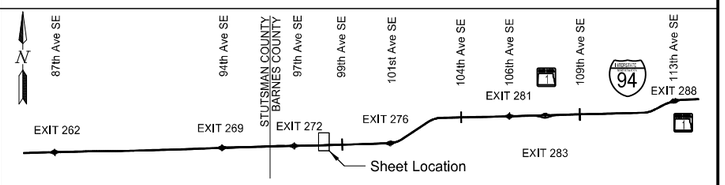
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	33

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14438+50.0 to 14446+10.0	0.55	Acre
253	0201	Hydraulic Mulch		
		14438+50.0 to 14446+10.0	0.55	Acre



Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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NIKKI J OLSON
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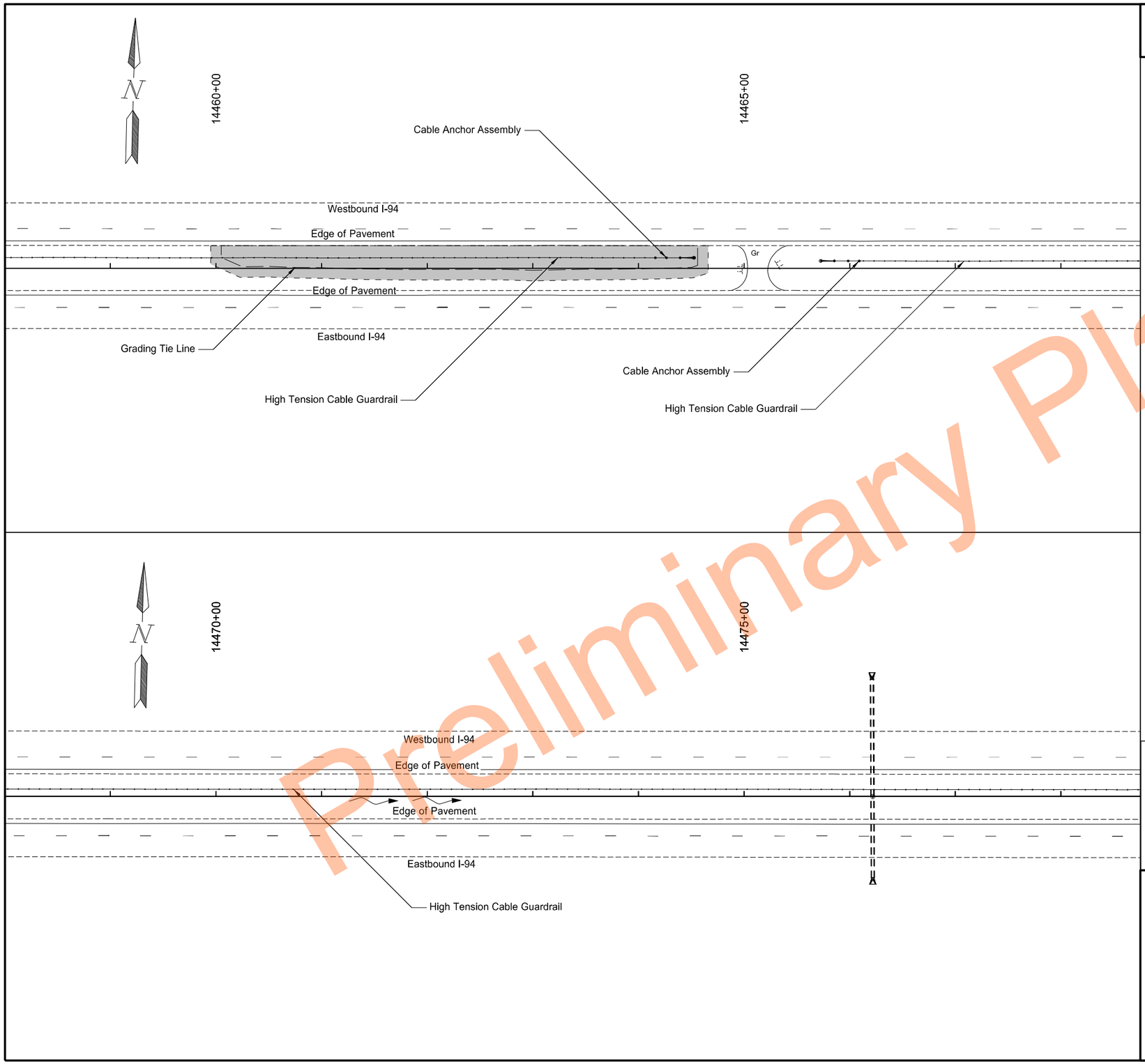
NORTH DAKOTA

Preliminary Plans



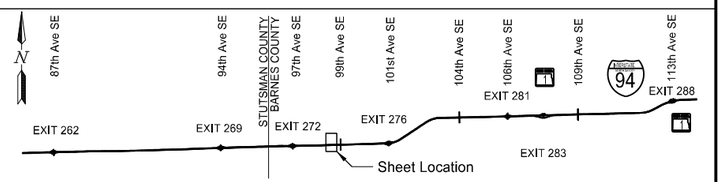
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	34

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14459+95.0 to 14464+66.0	0.34	Acre
253	0201	Hydraulic Mulch		
		14459+95.0 to 14464+66.0	0.34	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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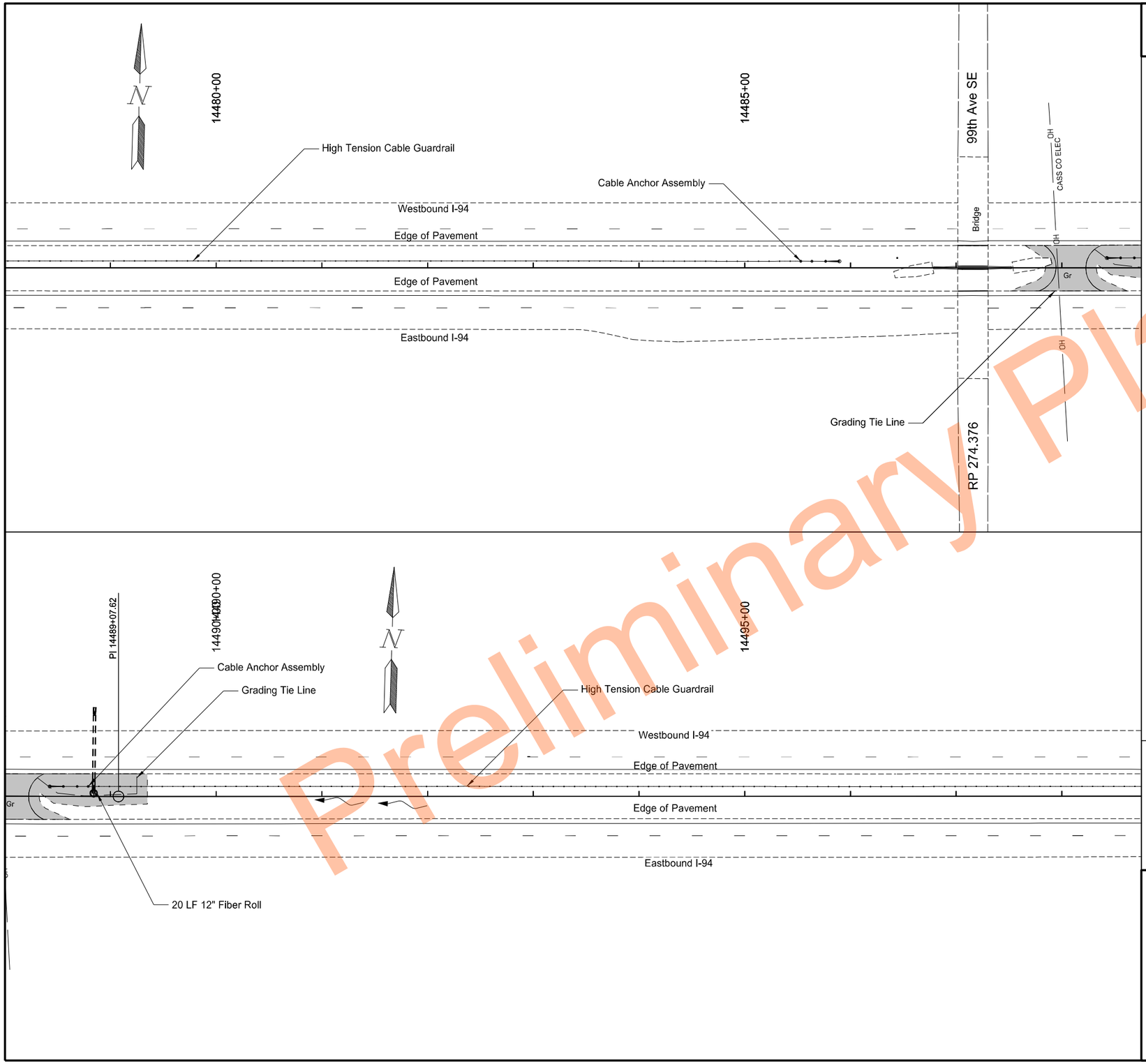
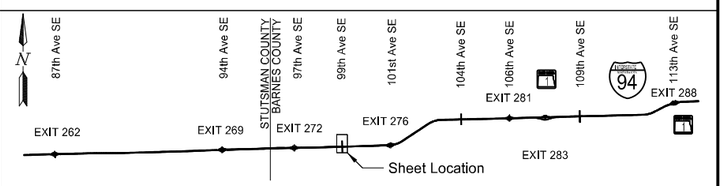


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	35

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14487+51.0 to 14489+35.0	0.13	Acre
253	0201	Hydraulic Mulch		
		14487+51.0 to 14489+35.0	0.13	Acre
261	0112	Fiber Rolls 12IN		
		14888+84.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14888+84.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
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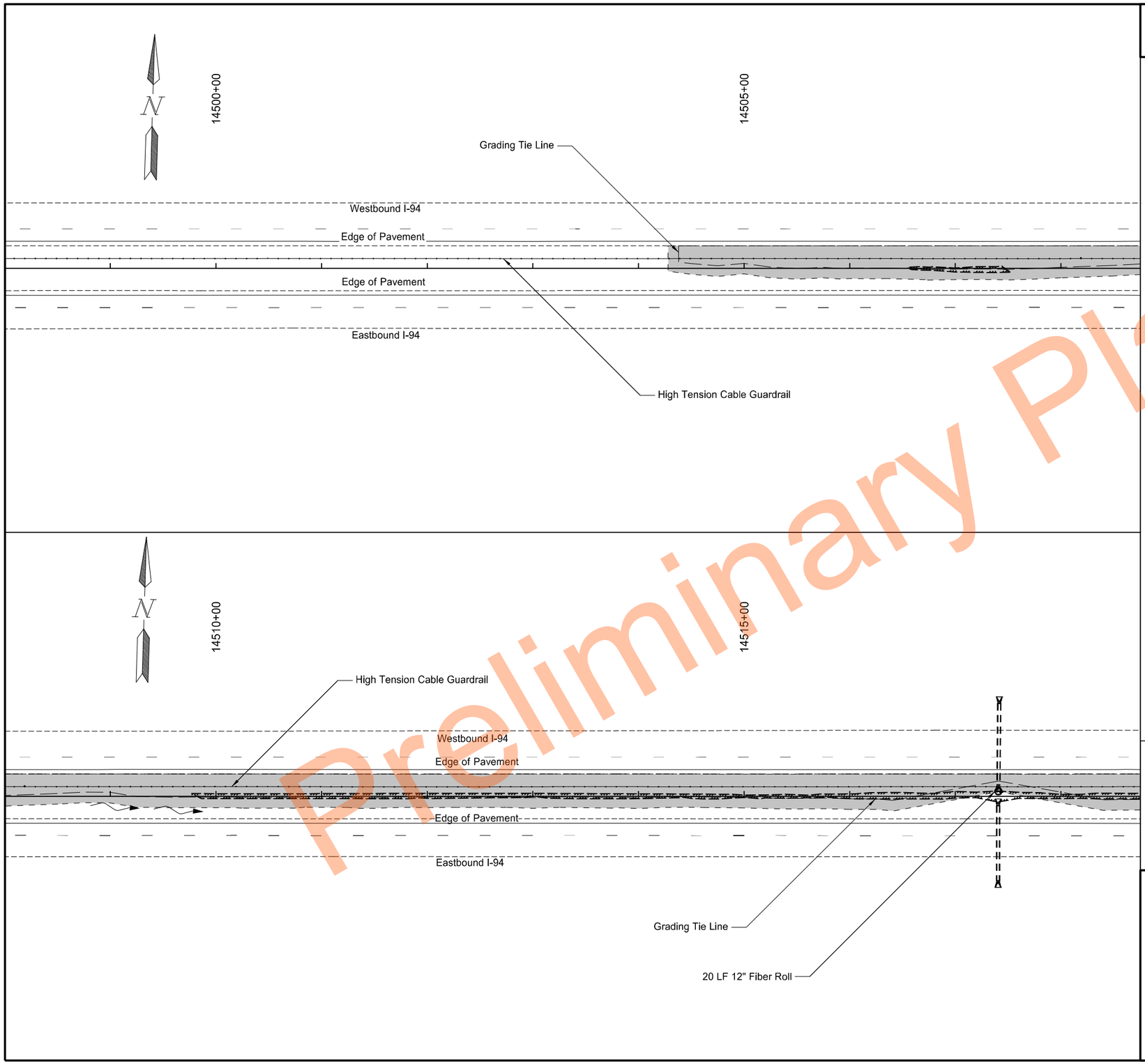
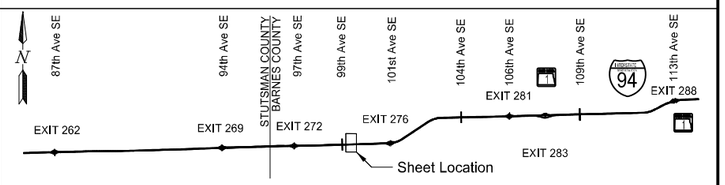


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	36

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14504+28.0 to 14518+50.0	1.00	Acre
253	0201	Hydraulic Mulch		
		14504+28.0 to 14518+50.0	1.00	Acre
261	0112	Fiber Rolls 12IN		
		14517+40.8, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14517+40.8, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

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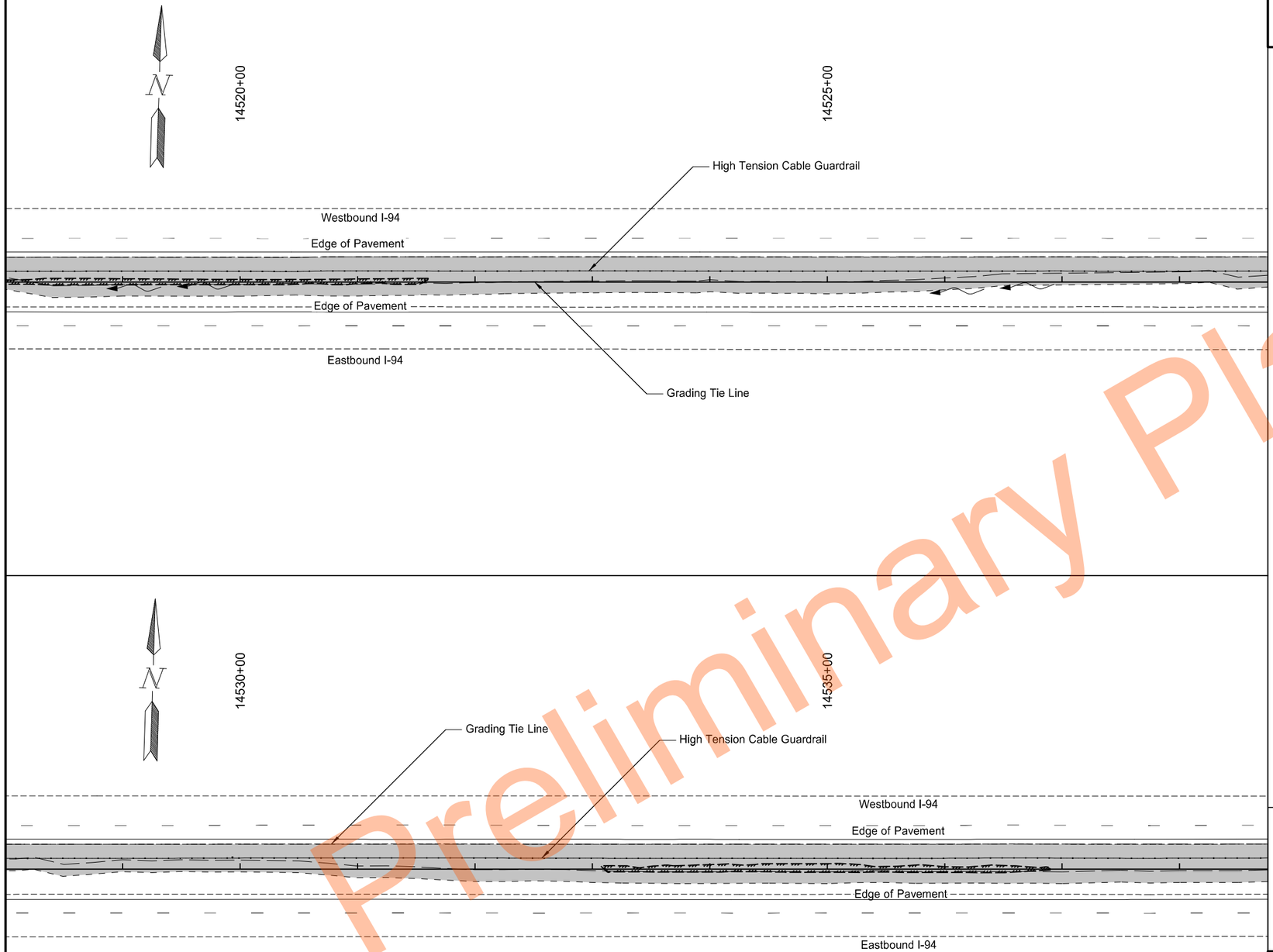
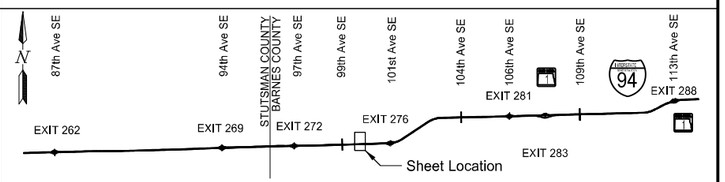


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	37

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14518+50.0 to 14538+50.0	1.38	Acre
253	0201	Hydraulic Mulch		
		14518+50.0 to 14538+50.0	1.38	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



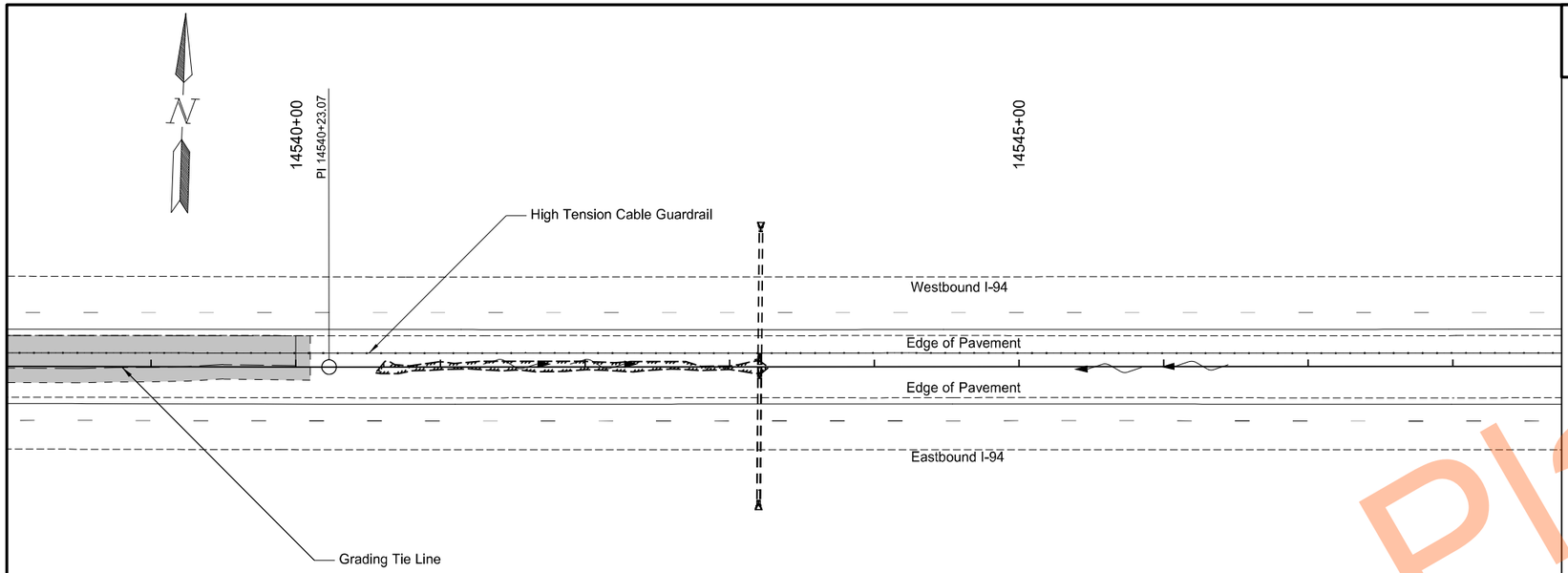
Temporary Sediment and Erosion Control

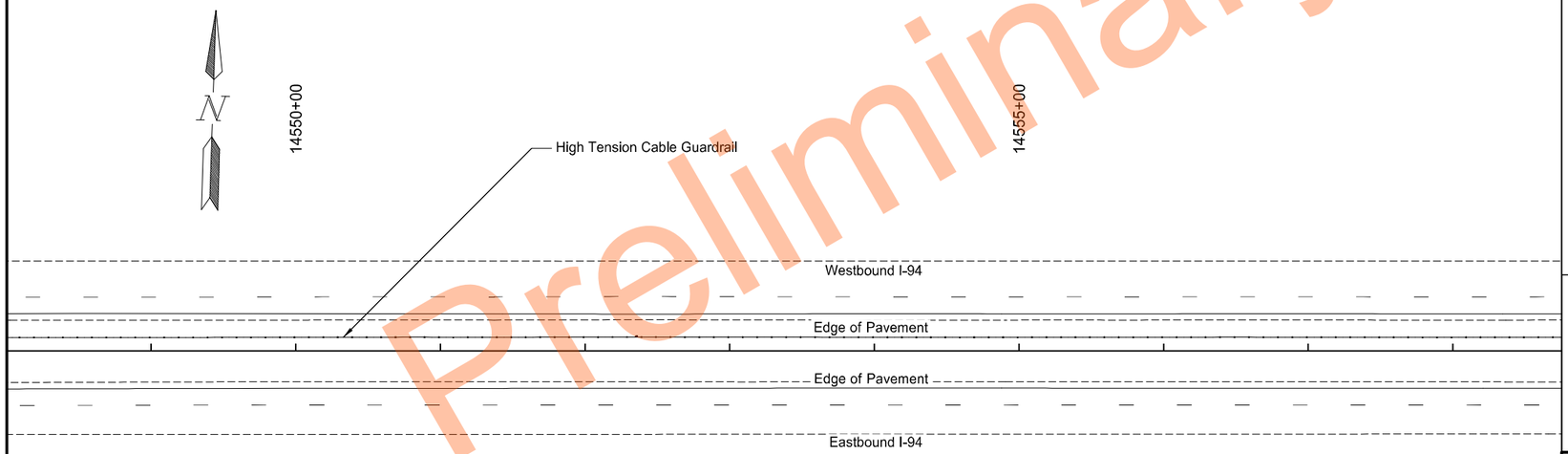
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans





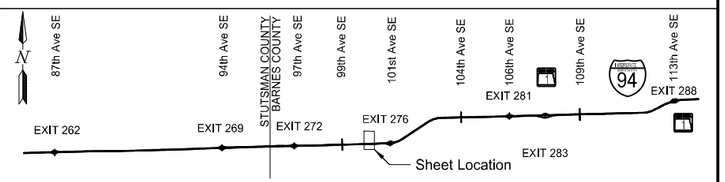
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	38

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14538+50.0 to 14540+10.0	0.11	Acre
253	0201	Hydraulic Mulch		
		14538+50.0 to 14540+10.0	0.11	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
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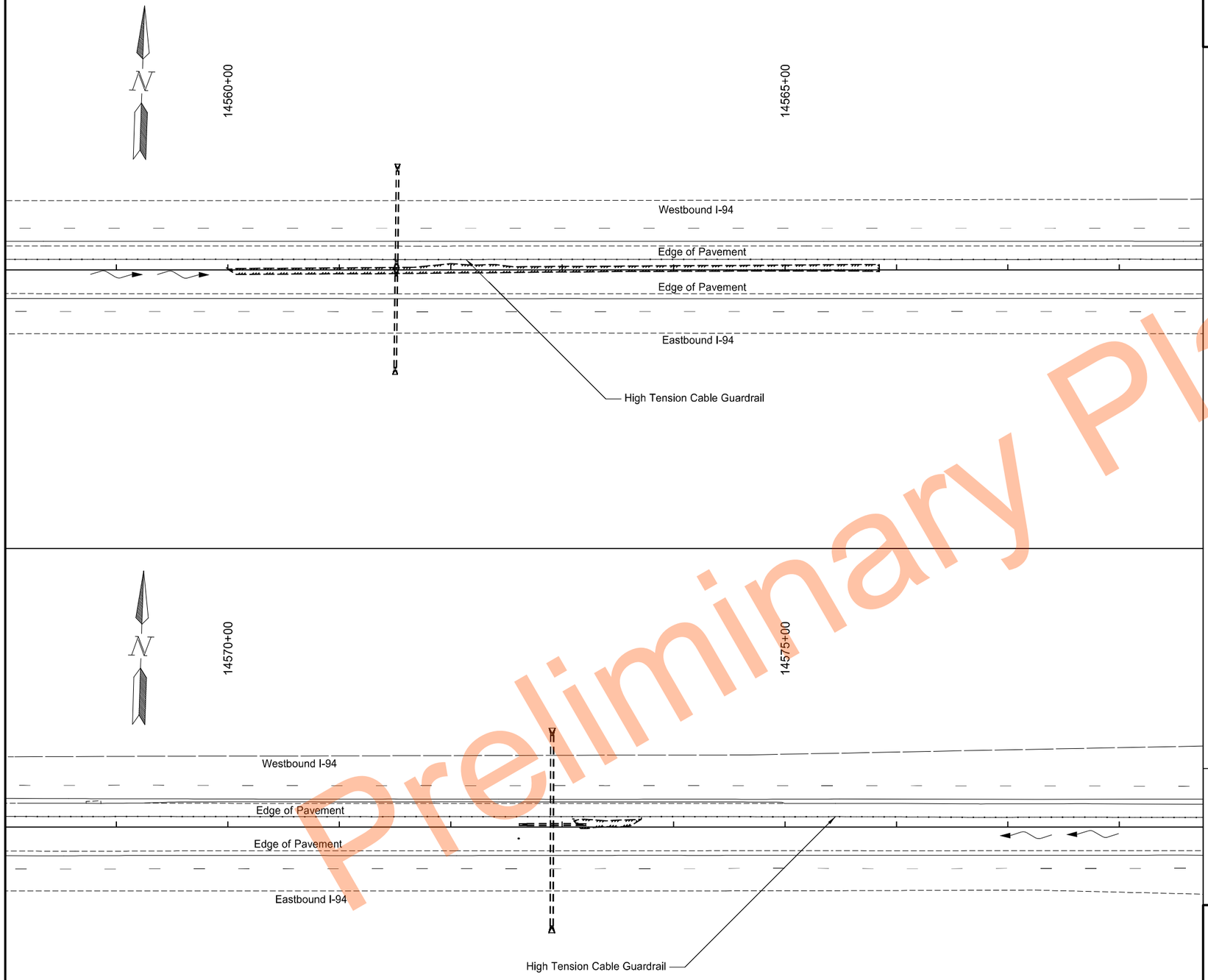
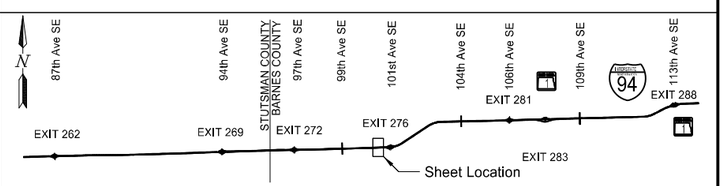
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	39



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

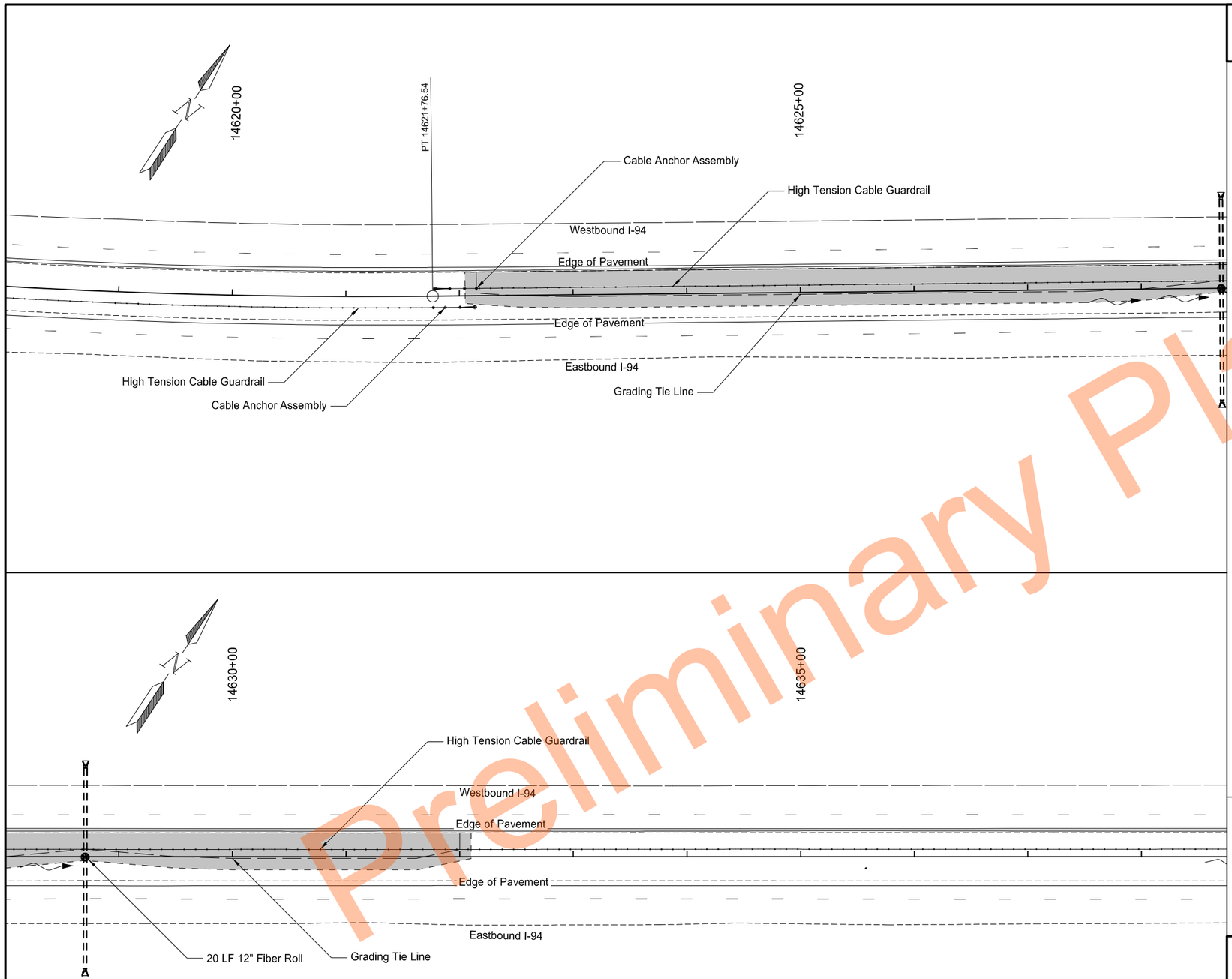


Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

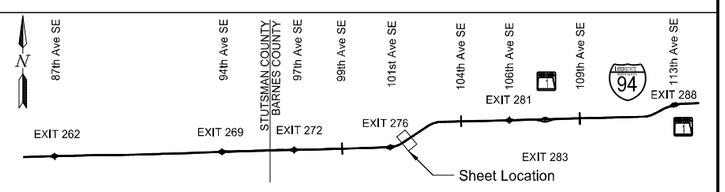


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	40

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14622+05.0 to 14632+10.0	0.72	Acre
253	0201	Hydraulic Mulch		
		14622+05.0 to 14632+10.0	0.72	Acre
261	0112	Fiber Rolls 12IN		
		14628+70.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		14628+70.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

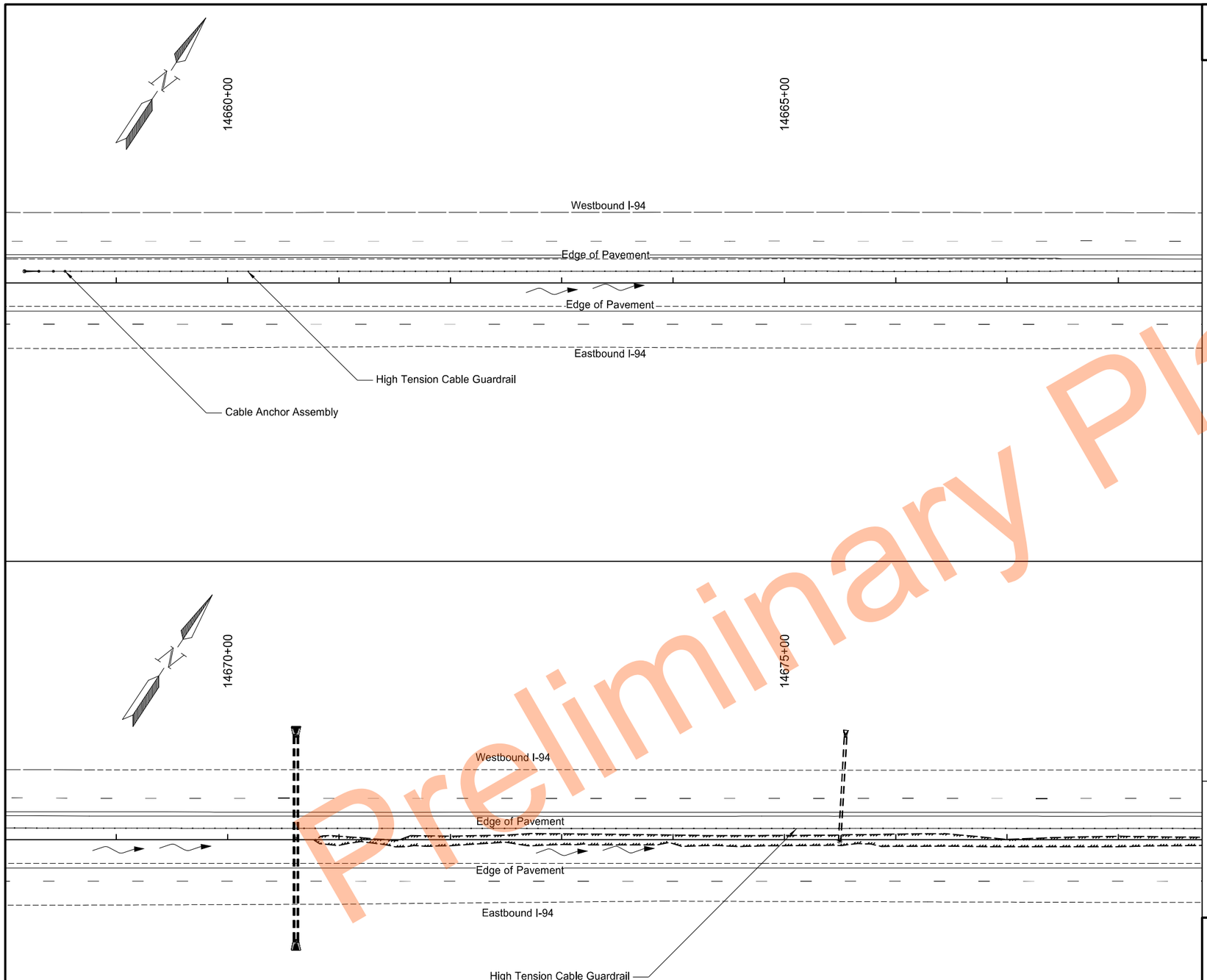
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

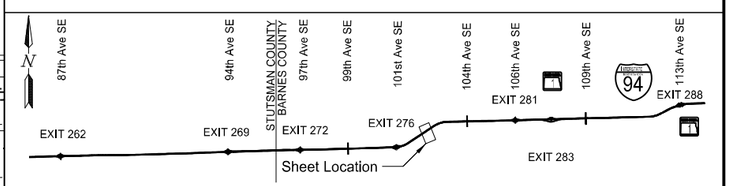
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	41



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



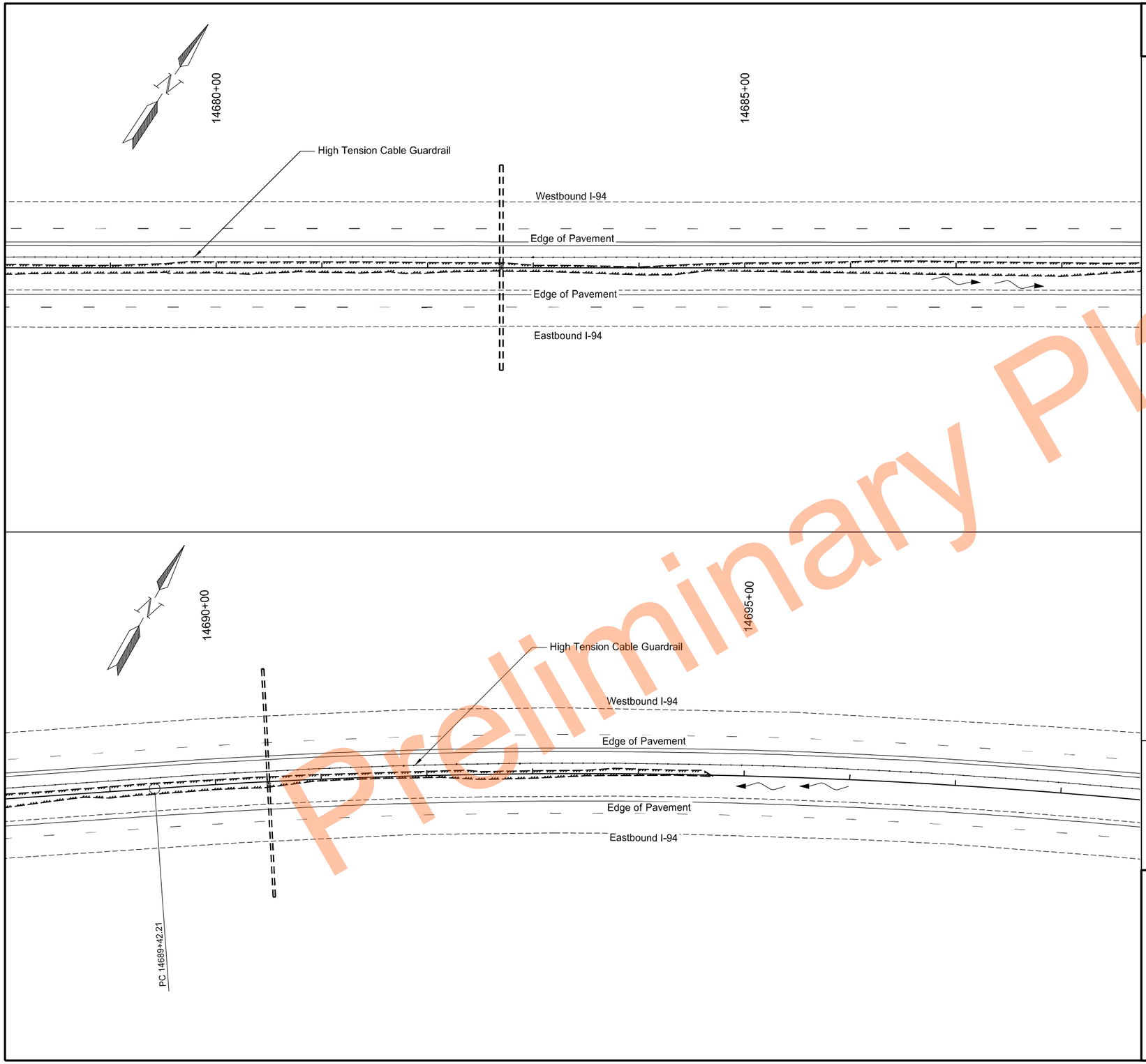
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

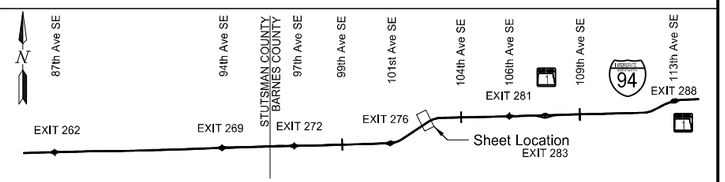
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	42



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
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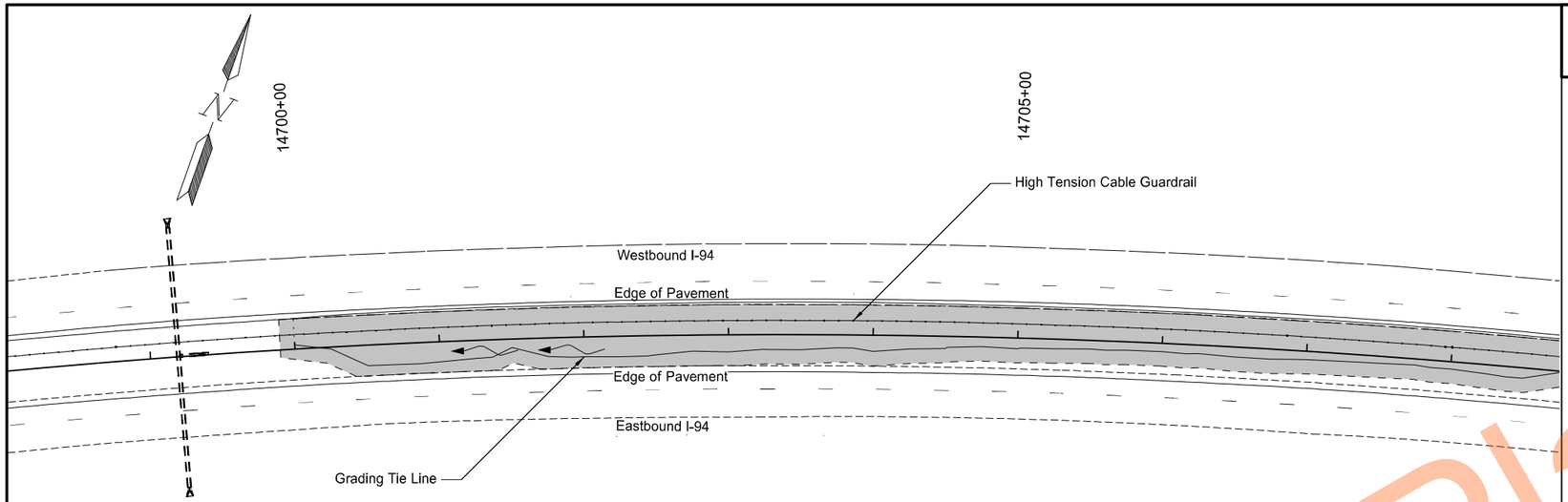
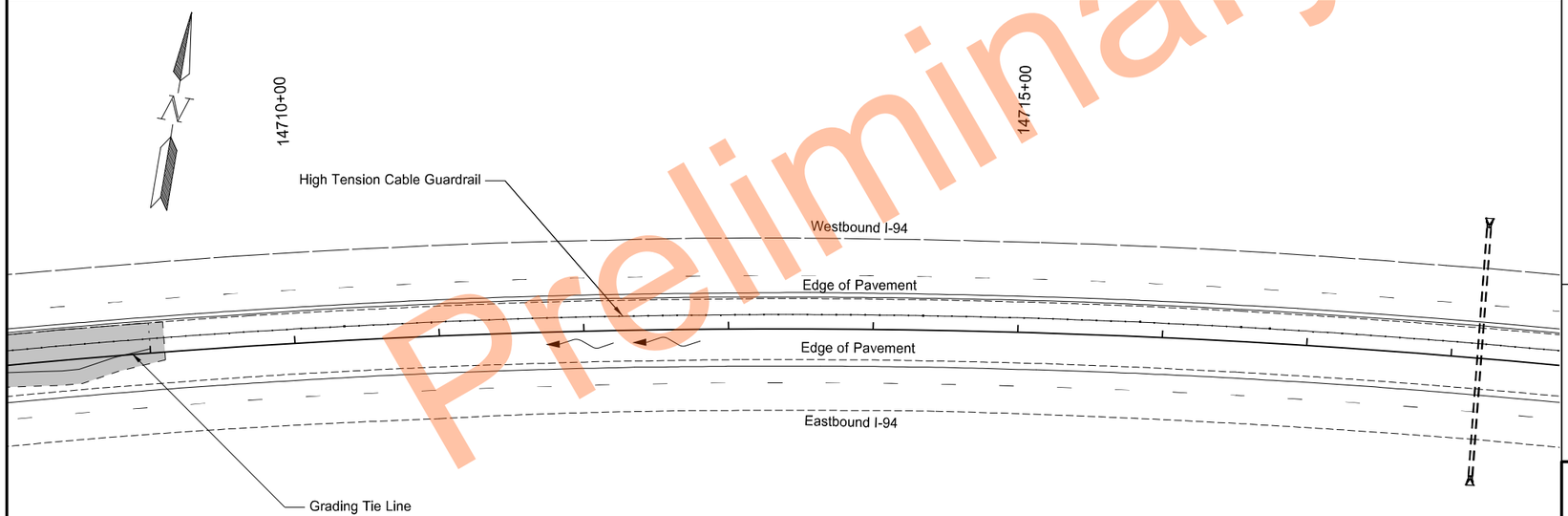


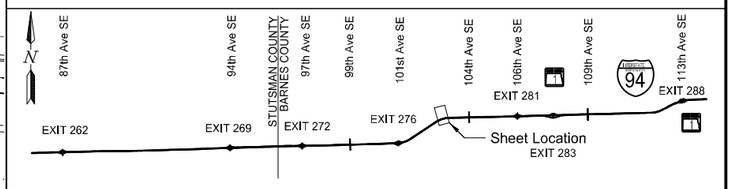


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	43

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14699+90.0 to 14709+10.0	0.81	Acre
253	0201	Hydraulic Mulch		
		14699+90.0 to 14709+10.0	0.81	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



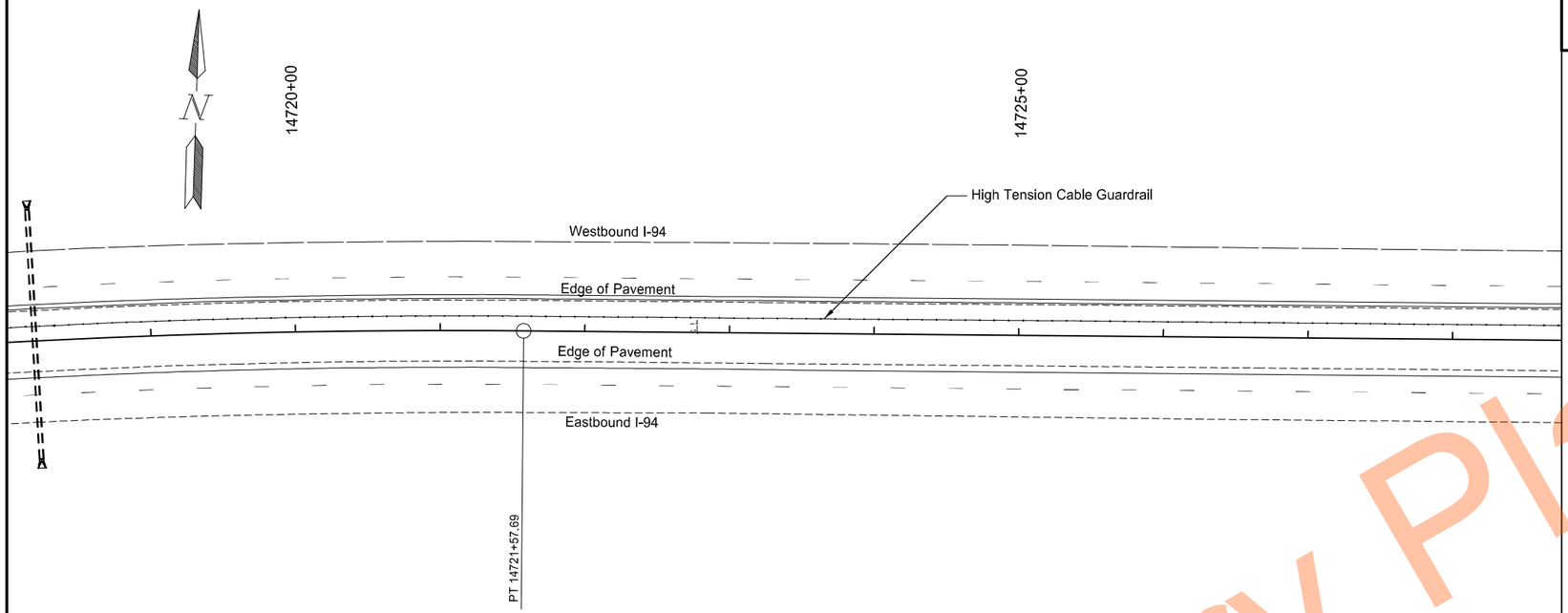
Temporary Sediment and Erosion Control

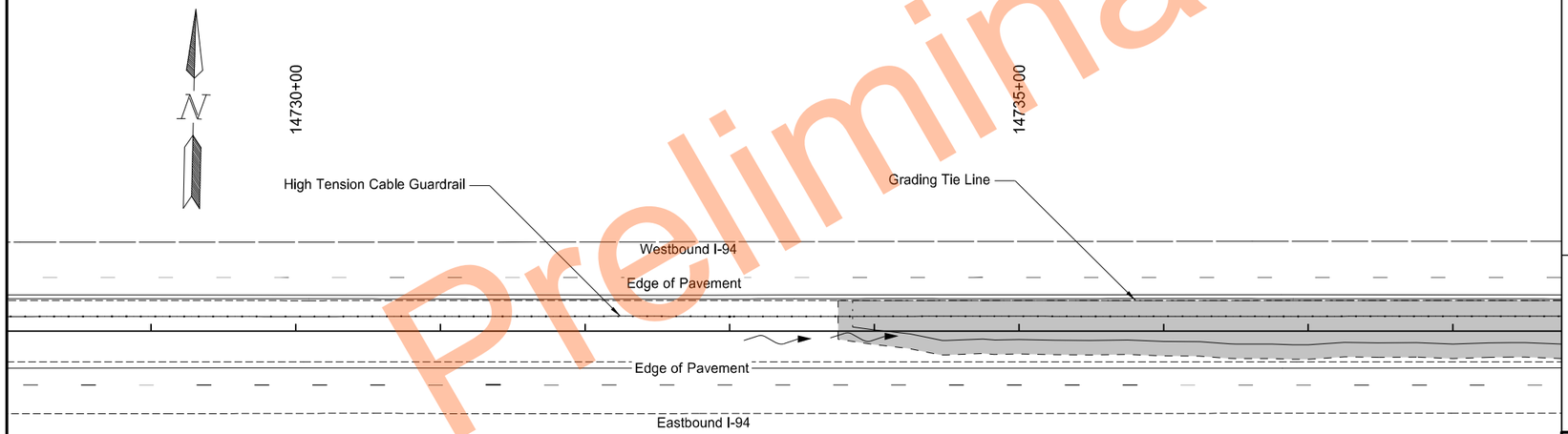
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans





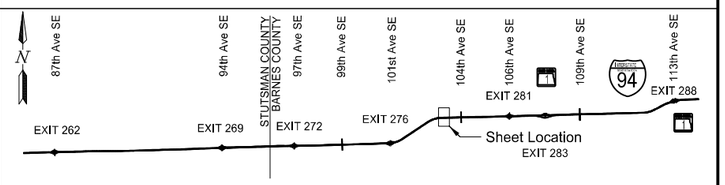
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	44

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14733+75.0 to 14738+50.0	0.41	Acre
253	0201	Hydraulic Mulch		
		14733+75.0 to 14738+50.0	0.41	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

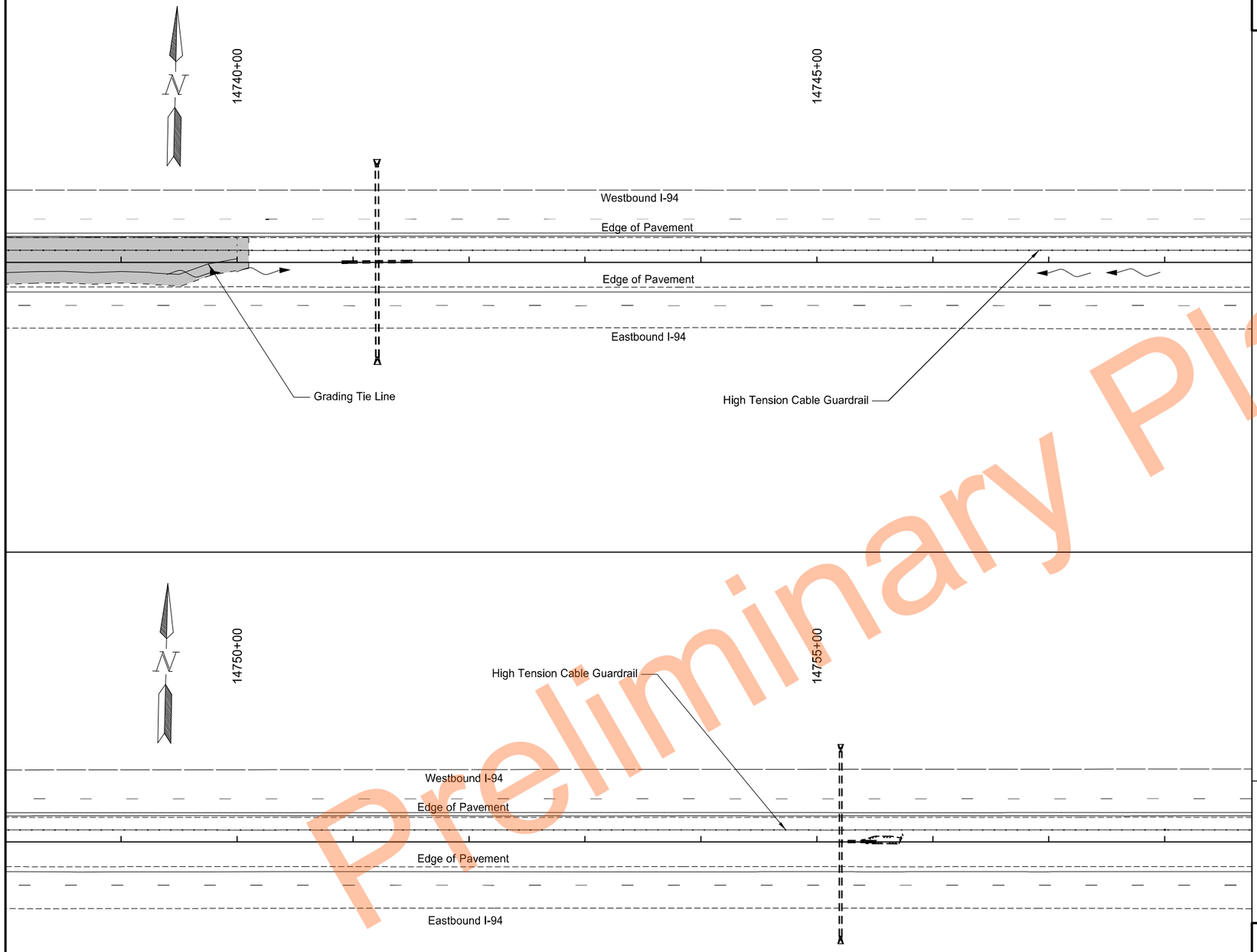


Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA



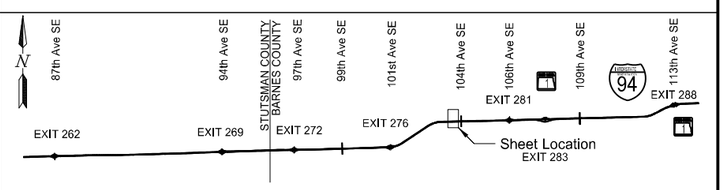
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	45

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		14738+50.0 to 14740+10.0	0.14	Acre
253	0201	Hydraulic Mulch		
		14738+50.0 to 14740+10.0	0.14	Acre

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



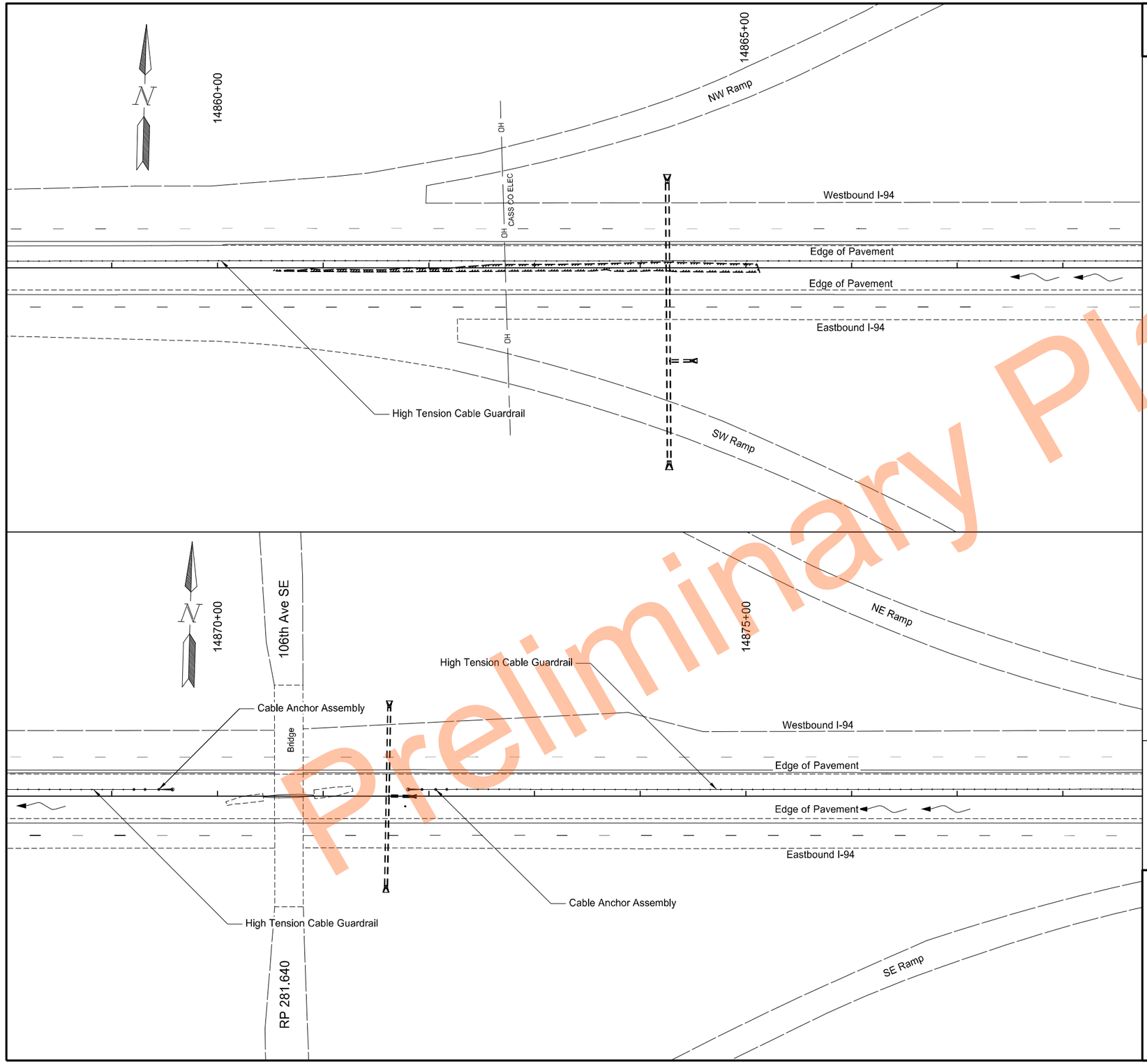
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

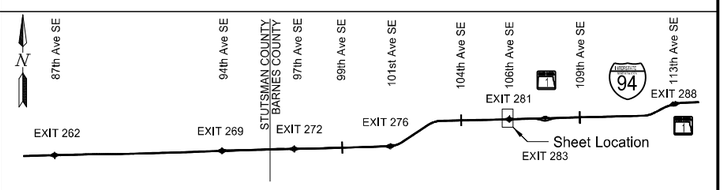
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	46



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
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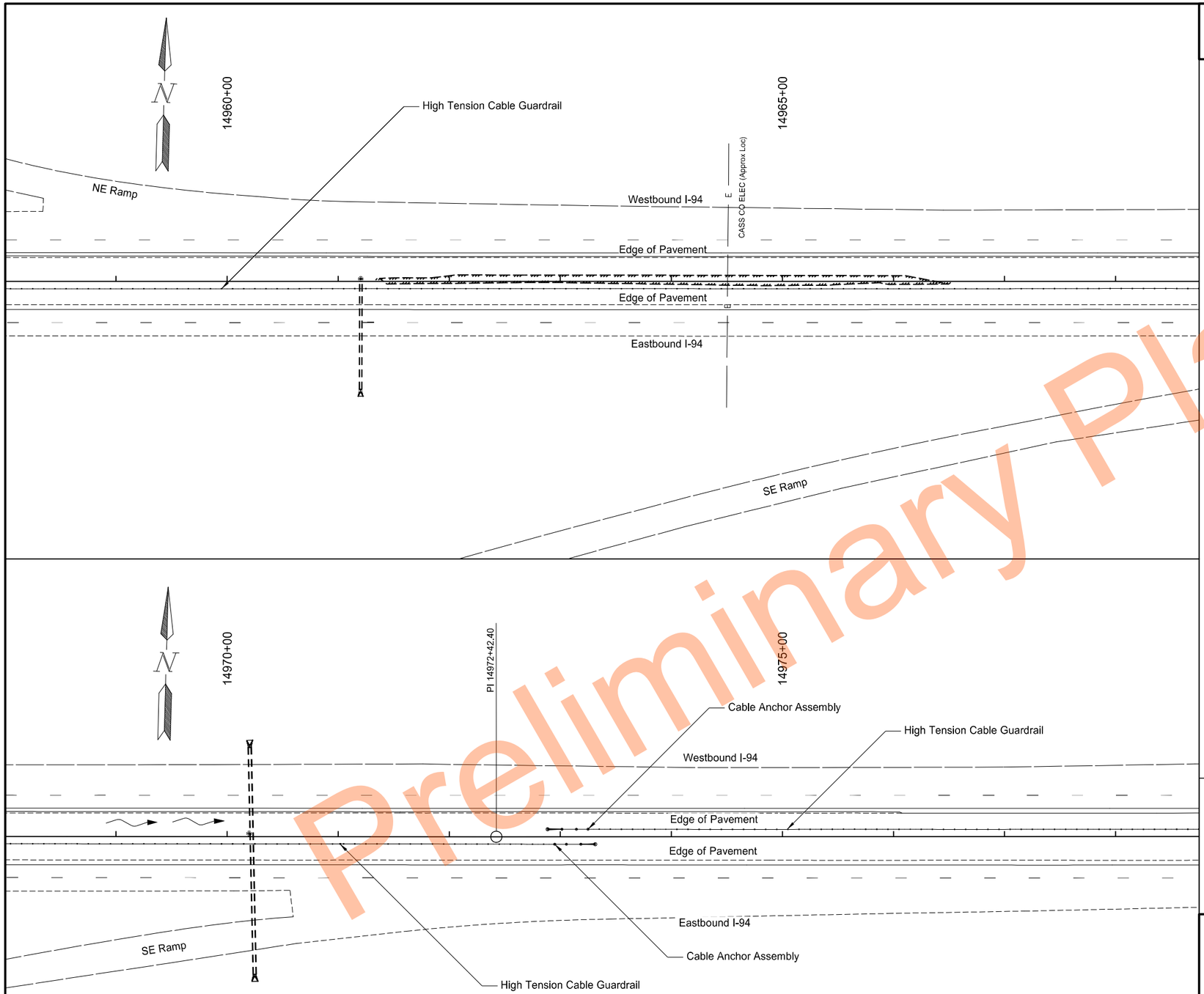
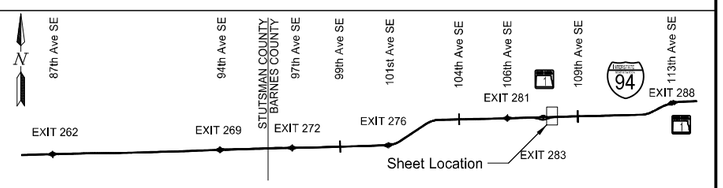
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	47



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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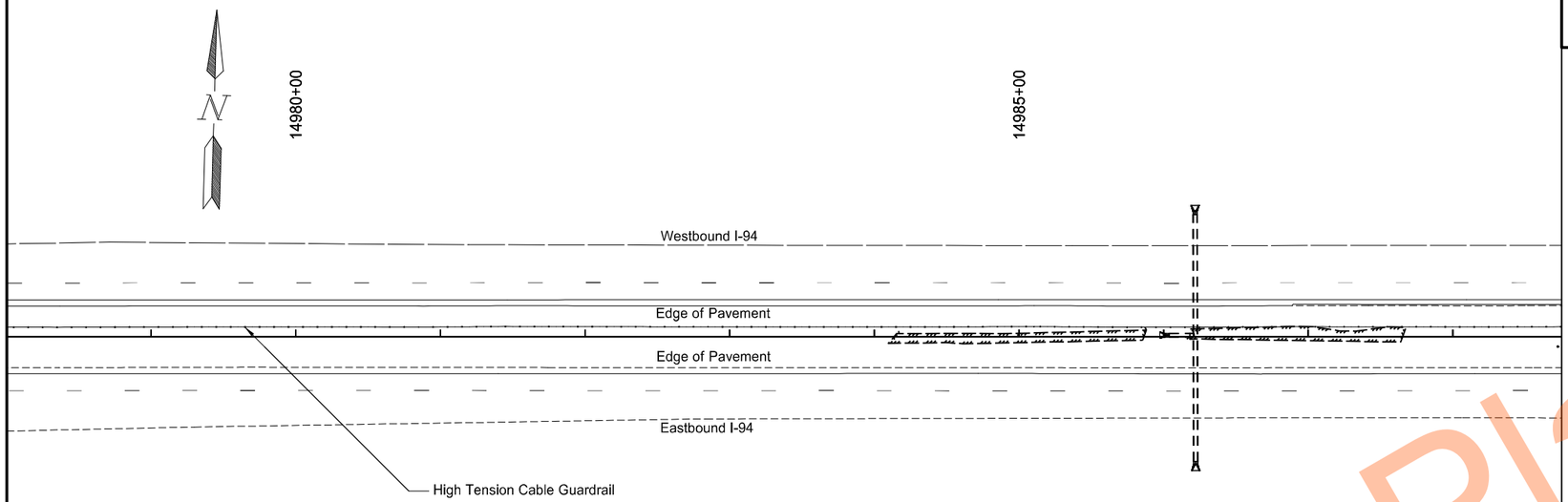
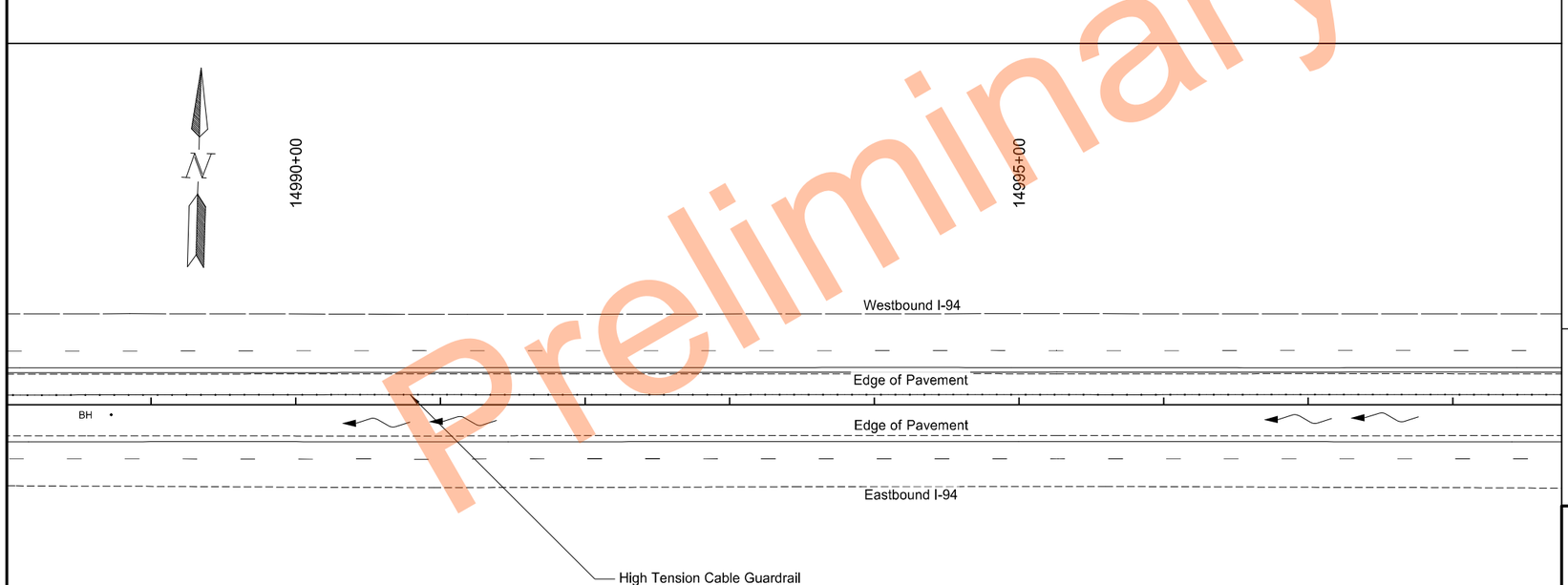
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	48

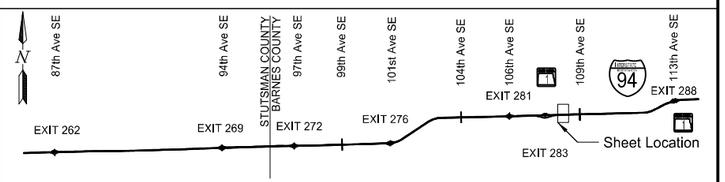




Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

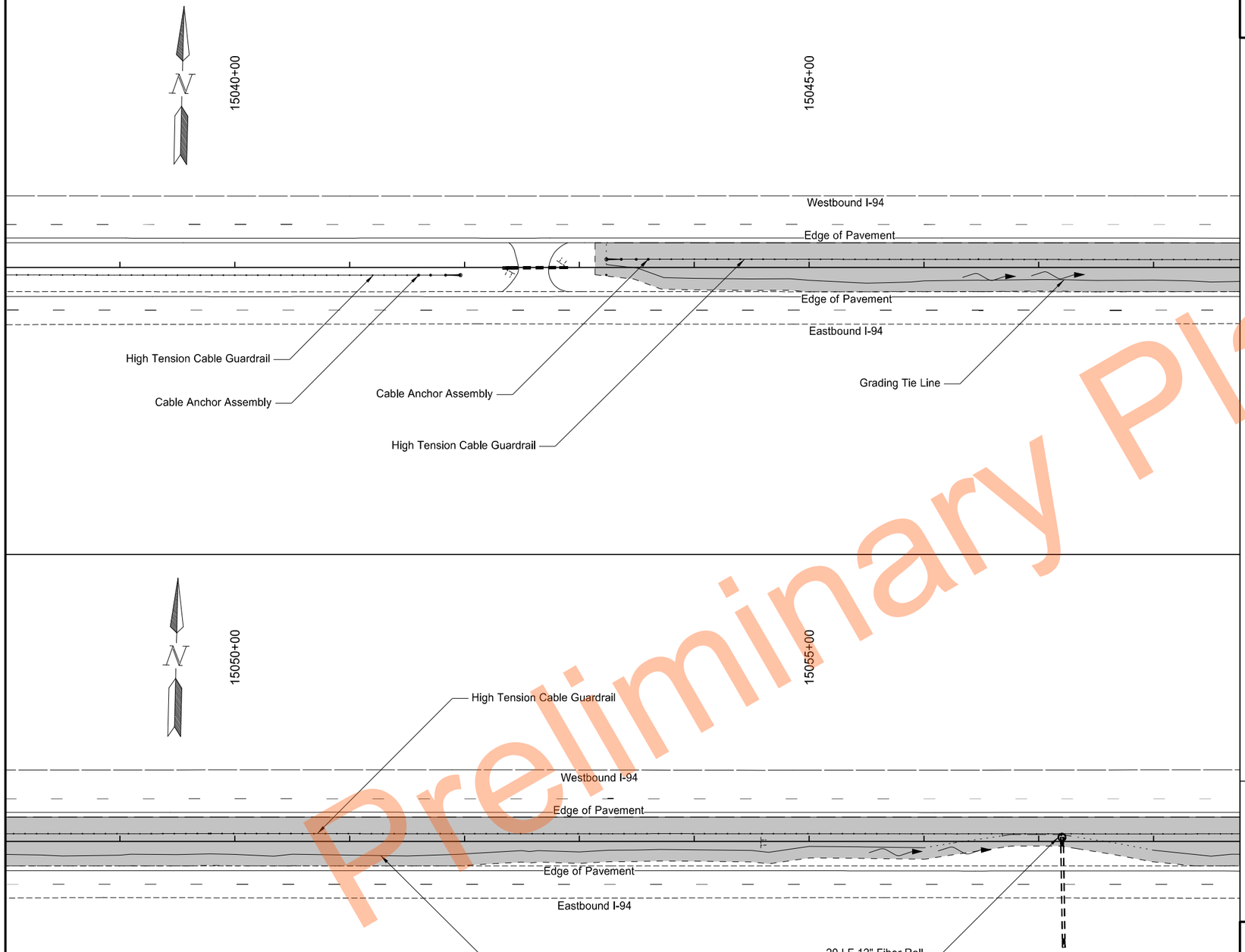


Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

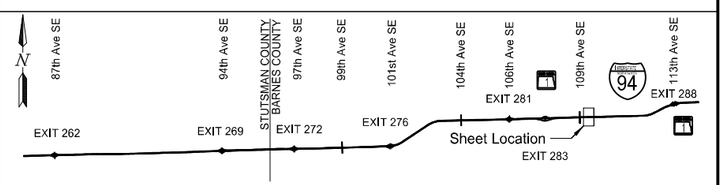


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	49

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		15043+13.5 to 15058+50.0	1.39	Acre
253	0201	Hydraulic Mulch		
		15043+13.5 to 15058+50.0	1.39	Acre
261	0112	Fiber Rolls 12IN		
		15057+20.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		15057+20.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



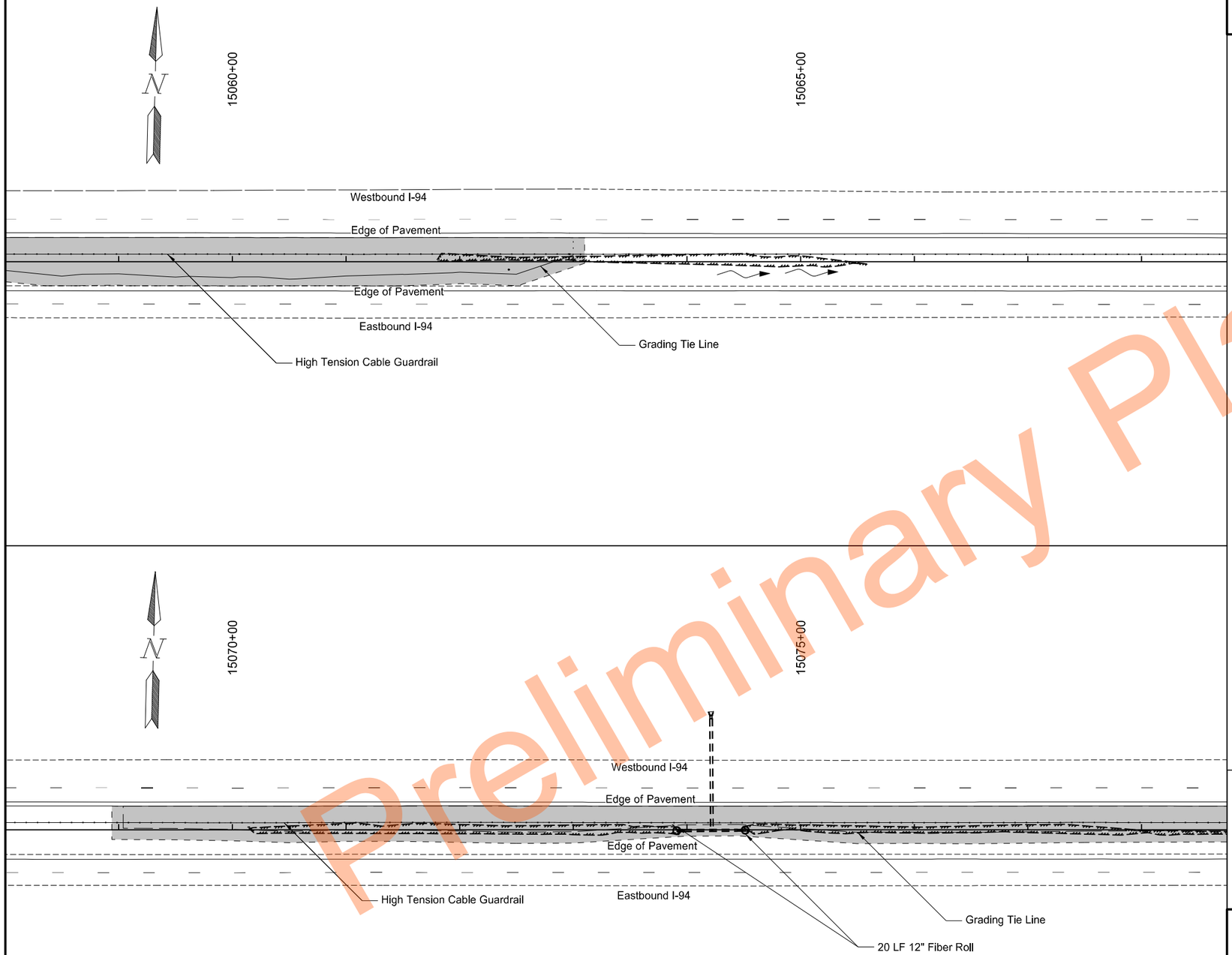
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

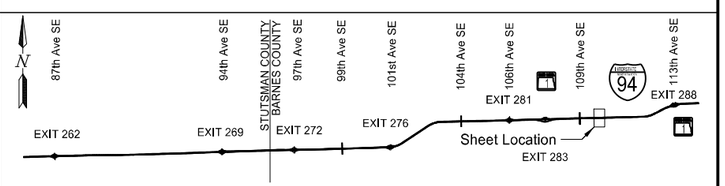


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	50

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		15058+50.0 to 15063+10.0	0.43	Acre
		15068+94.0 to 15078+50.0	0.68	Acre
253	0201	Hydraulic Mulch		
		15058+50.0 to 15063+10.0	0.43	Acre
		15068+94.0 to 15078+50.0	0.68	Acre
261	0112	Fiber Rolls 12IN		
		15073+91.0, Protect Inlet	20	LF
		15074+52.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		15073+91.0, Protect Inlet	20	LF
		15074+52.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



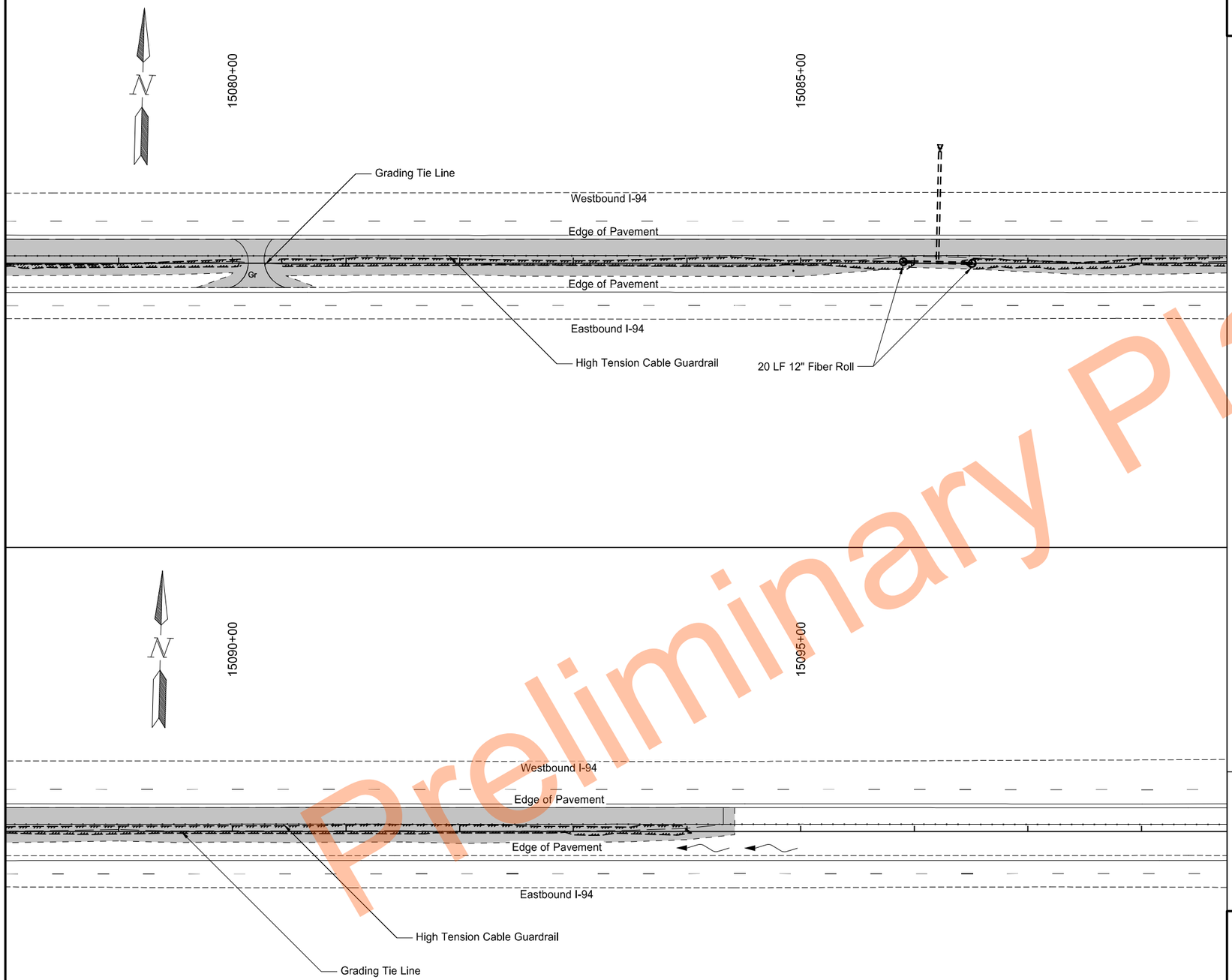
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



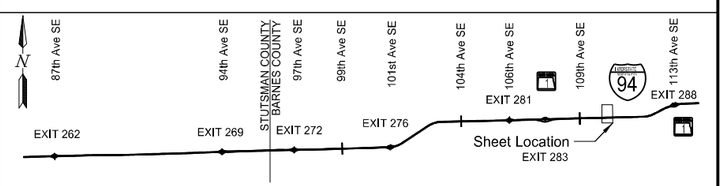
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	51

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		15078+50.0 to 15094+42.0	1.13	Acre
253	0201	Hydraulic Mulch		
		15078+50.0 to 15094+42.0	1.13	Acre
261	0112	Fiber Rolls 12IN		
		15085+90.0, Protect Inlet	20	LF
		15086+51.0, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		15085+90.0, Protect Inlet	20	LF
		15086+51.0, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



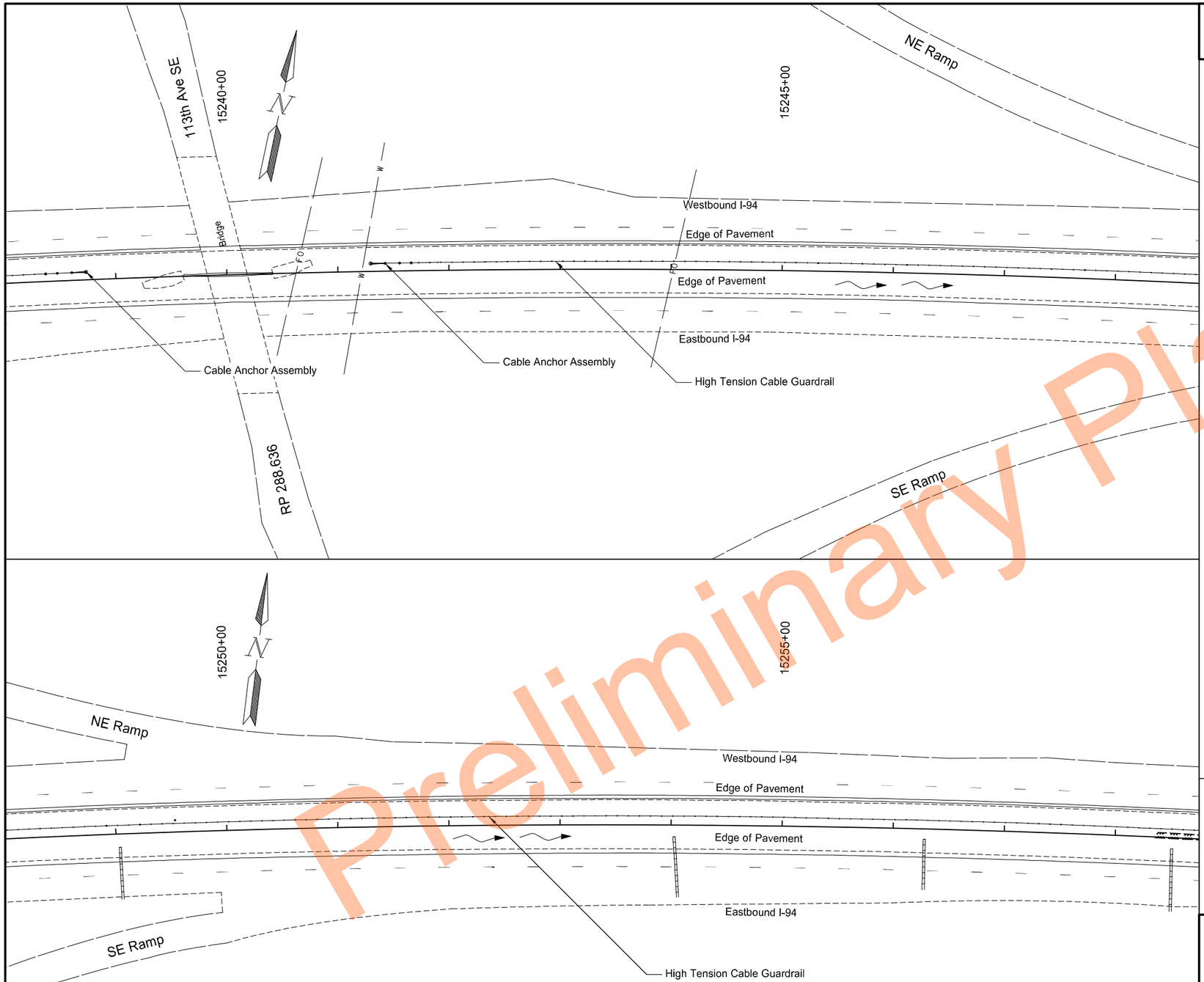
Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

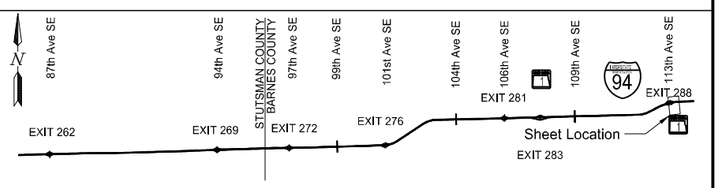
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	76	52



Preliminary Plans

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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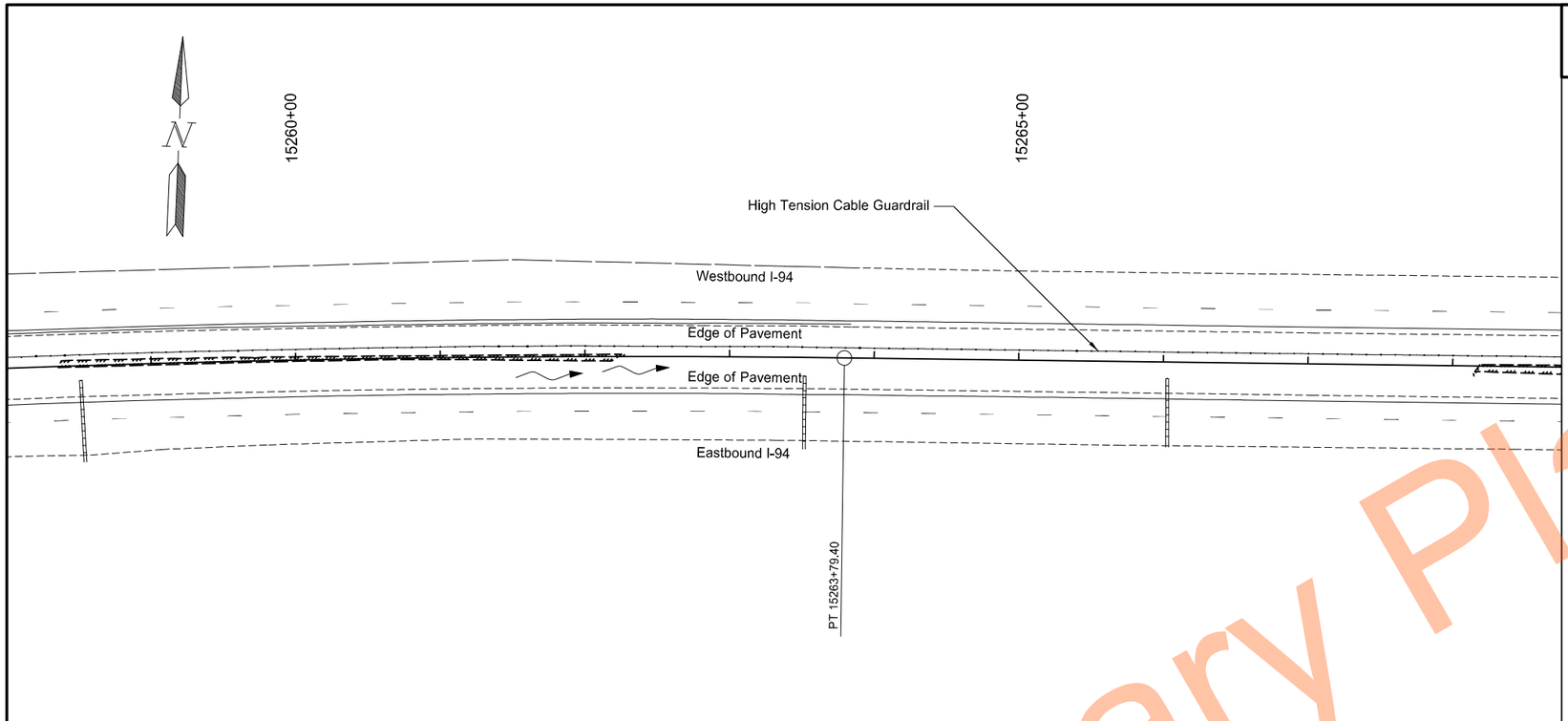
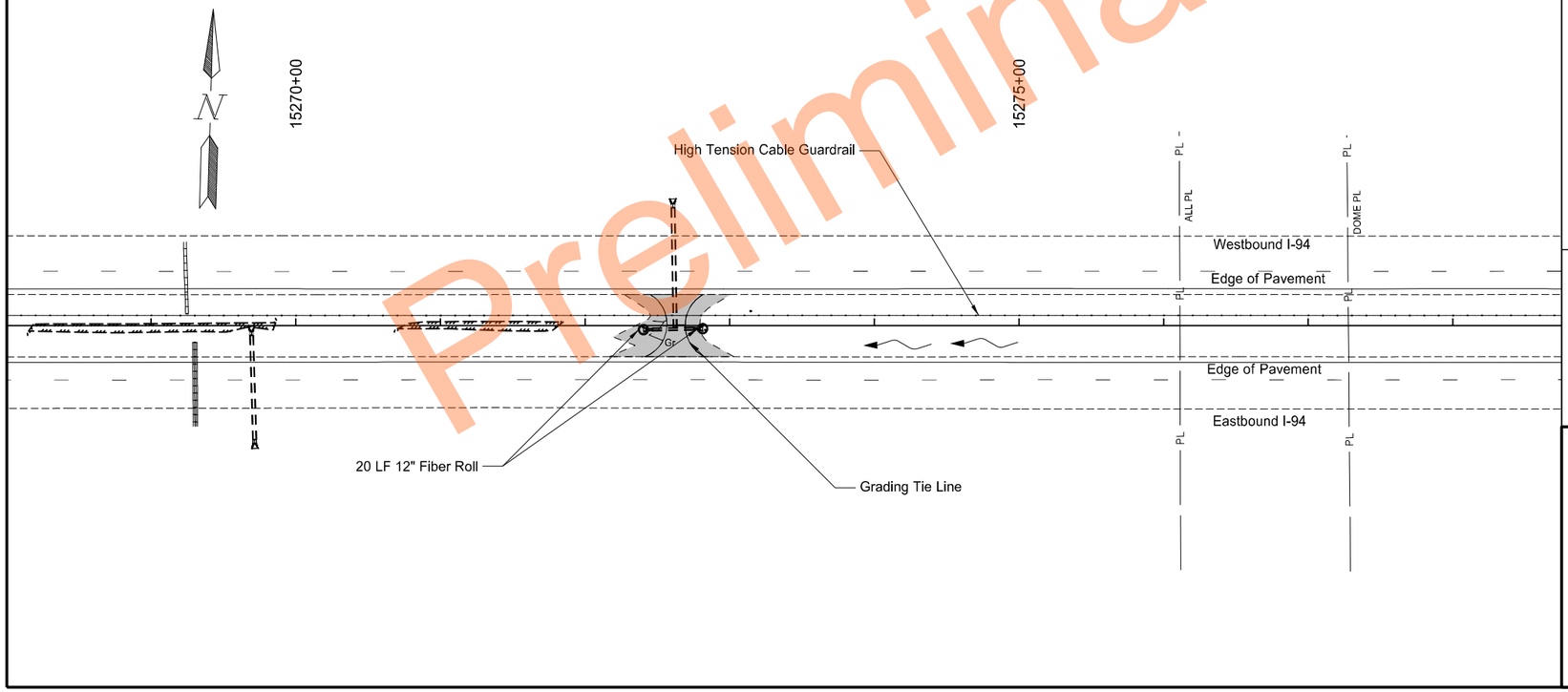




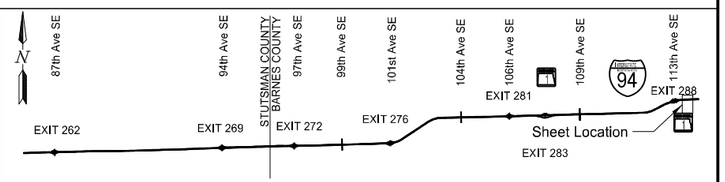
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	76	53

SPEC	CODE	BID ITEM	QTY	UNIT
251	2000	Temporary Cover Crop		
		15272+16.9 to 15273+03.0	0.06	Acre
253	0201	Hydraulic Mulch		
		15272+16.9 to 15273+03.0	0.06	Acre
261	0112	Fiber Rolls 12IN		
		15272+40.2, Protect Inlet	20	LF
		15272+81.5, Protect Inlet	20	LF
261	0113	Remove Fiber Rolls 12IN		
		15272+40.2, Protect Inlet	20	LF
		15272+81.5, Protect Inlet	20	LF

Legend

- Temporary Cover/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Temporary Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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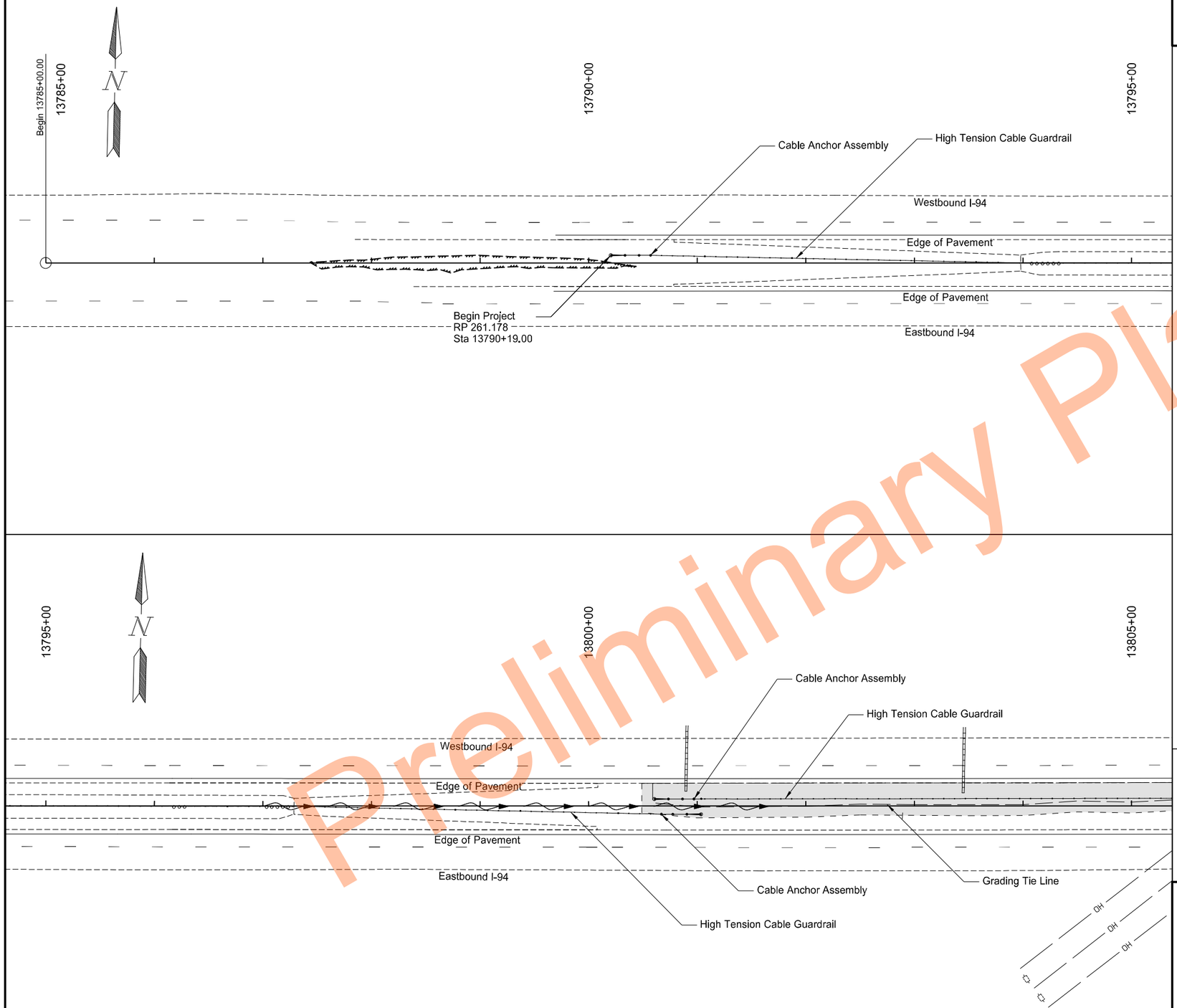
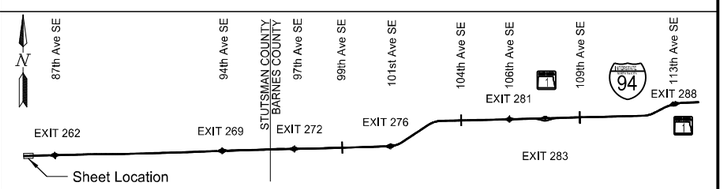


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	1

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13800+49.0 to 13805+00.0	0.31	Acre
253	0201	Hydraulic Mulch		
		13800+49.0 to 13805+00.0	0.31	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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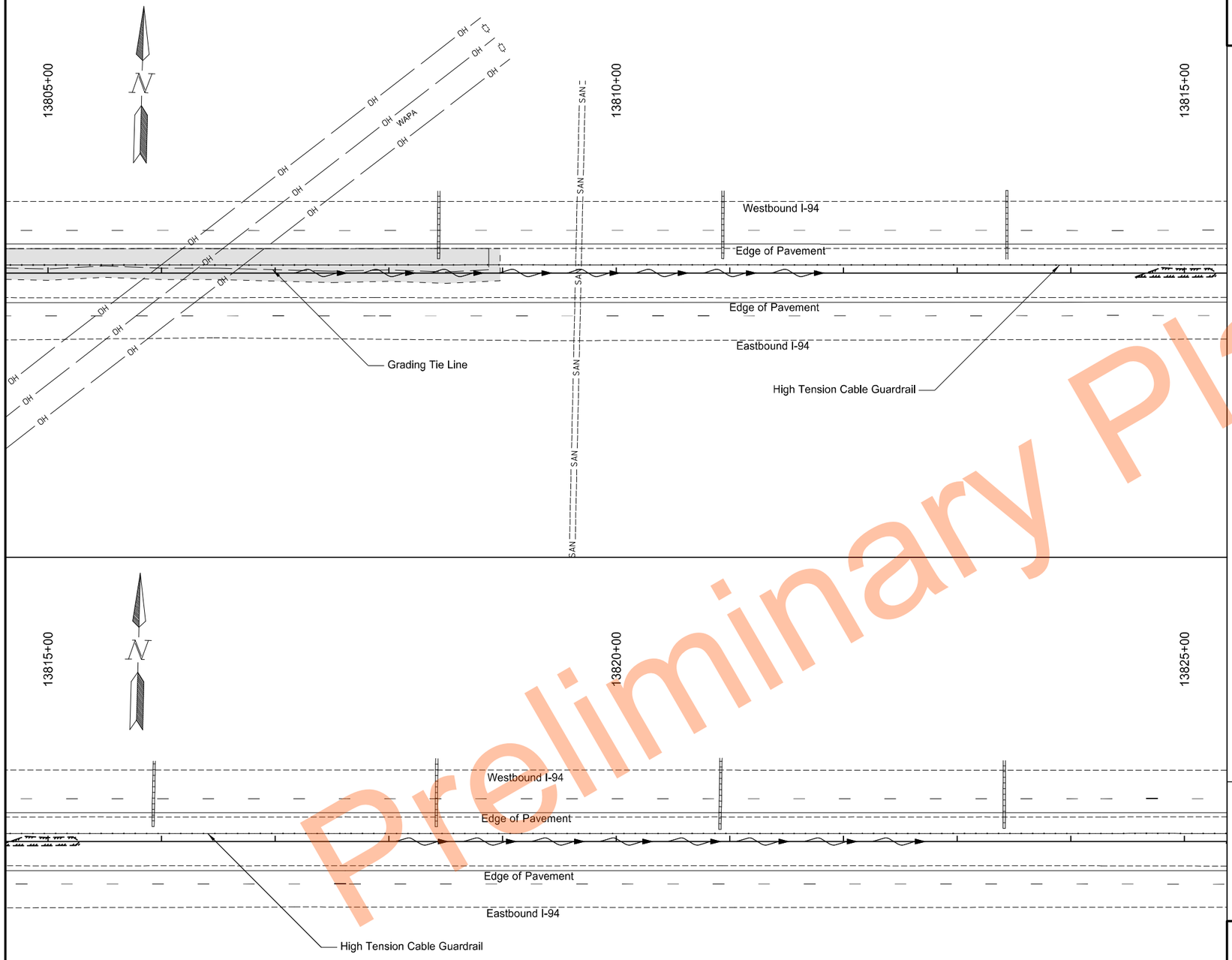
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



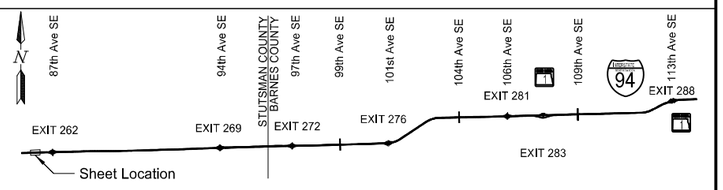
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	2

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13805+00.0 to 13808+98.0	0.26	Acre
253	0201	Hydraulic Mulch		
		13805+00.0 to 13808+98.0	0.26	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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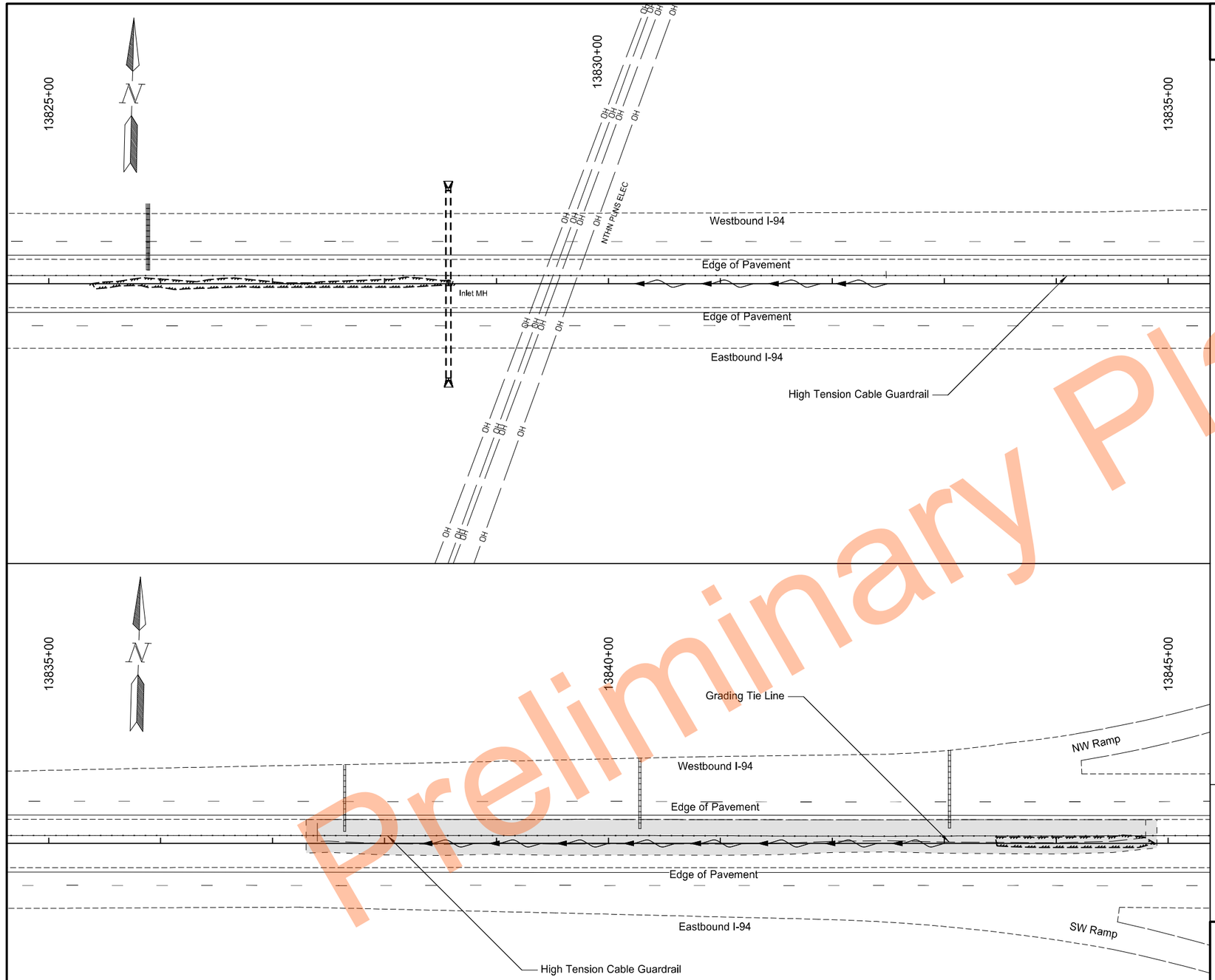
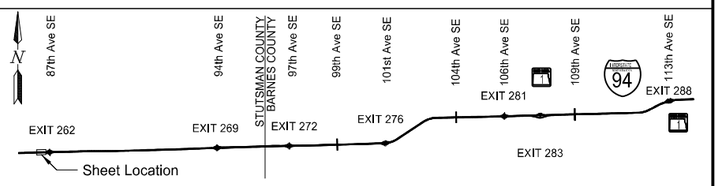
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	3

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13837+30.0 to 13844+90.0	0.53	Acre
253	0201	Hydraulic Mulch		
		13837+30.0 to 13844+90.0	0.53	Acre



Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
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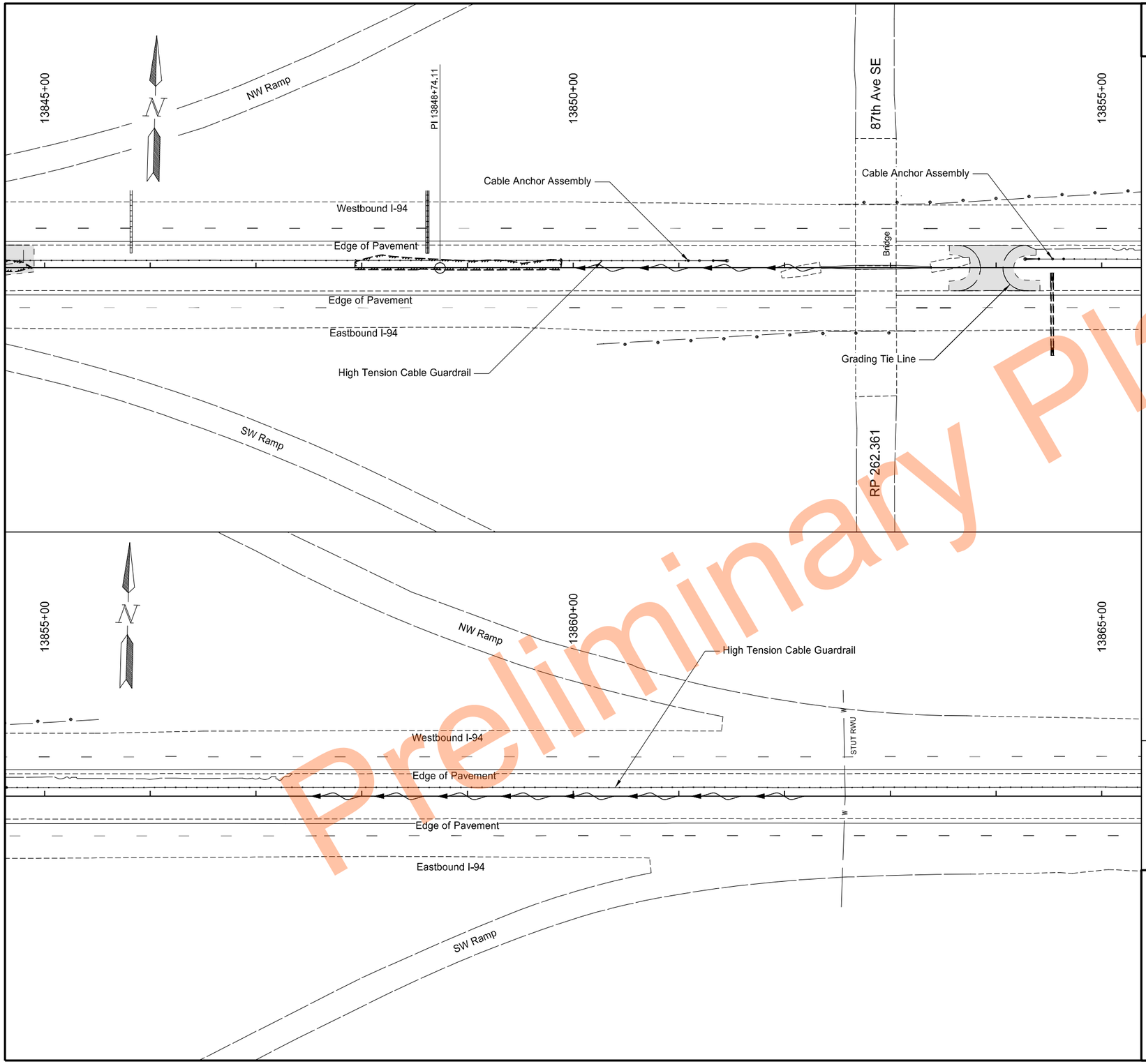
Preliminary Plans



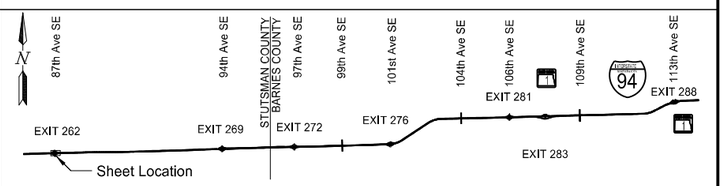
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	4

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13853+55.3 to 13854+41.6	0.06	Acre
253	0201	Hydraulic Mulch		
		13853+55.3 to 13854+41.6	0.06	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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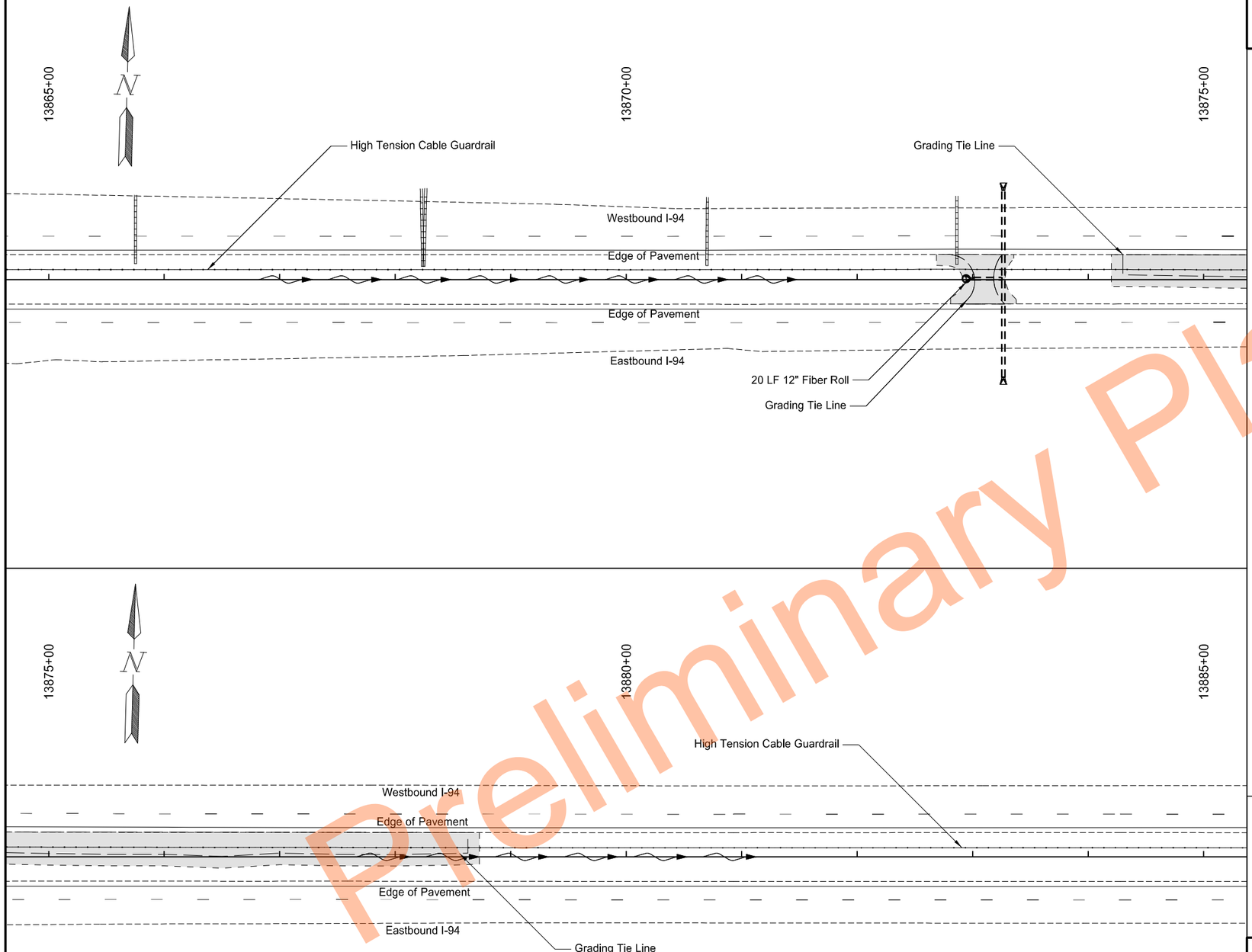


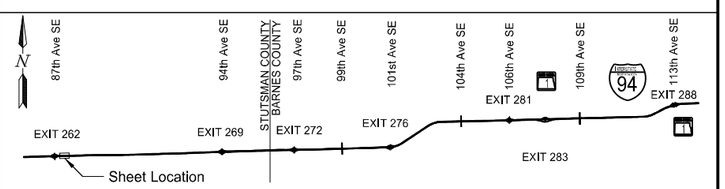
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	5

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13872+68.6 to 13873+37.6	0.05	Acre
		13874+20.0 to 13878+73.0	0.30	Acre
253	0201	Hydraulic Mulch		
		13872+68.6 to 13873+37.6	0.05	Acre
		13874+20.0 to 13878+73.0	0.30	Acre
261	0112	Fiber Rolls 12IN		
		13872+94.4, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
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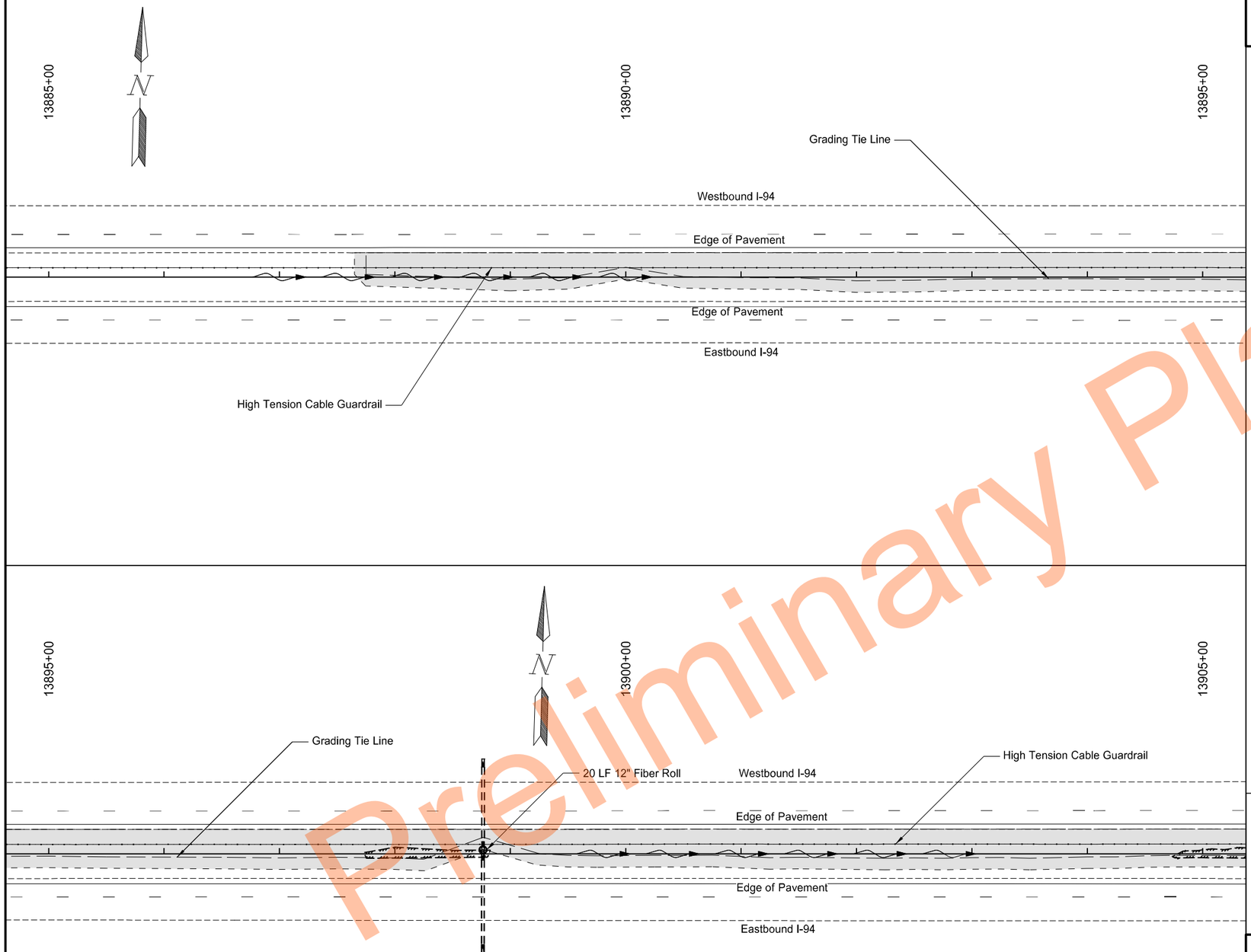


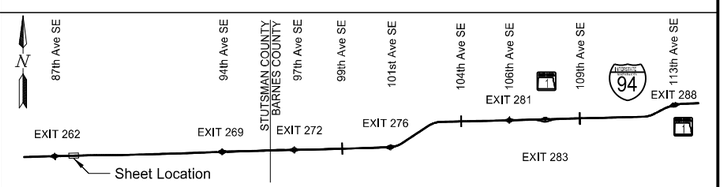
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	6

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13887+65.0 to 13905+00.0	1.29	Acre
253	0201	Hydraulic Mulch		
		13887+65.0 to 13905+00.0	1.29	Acre
261	0112	Fiber Rolls 12IN		
		13898+76.4, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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Nikki J Olson
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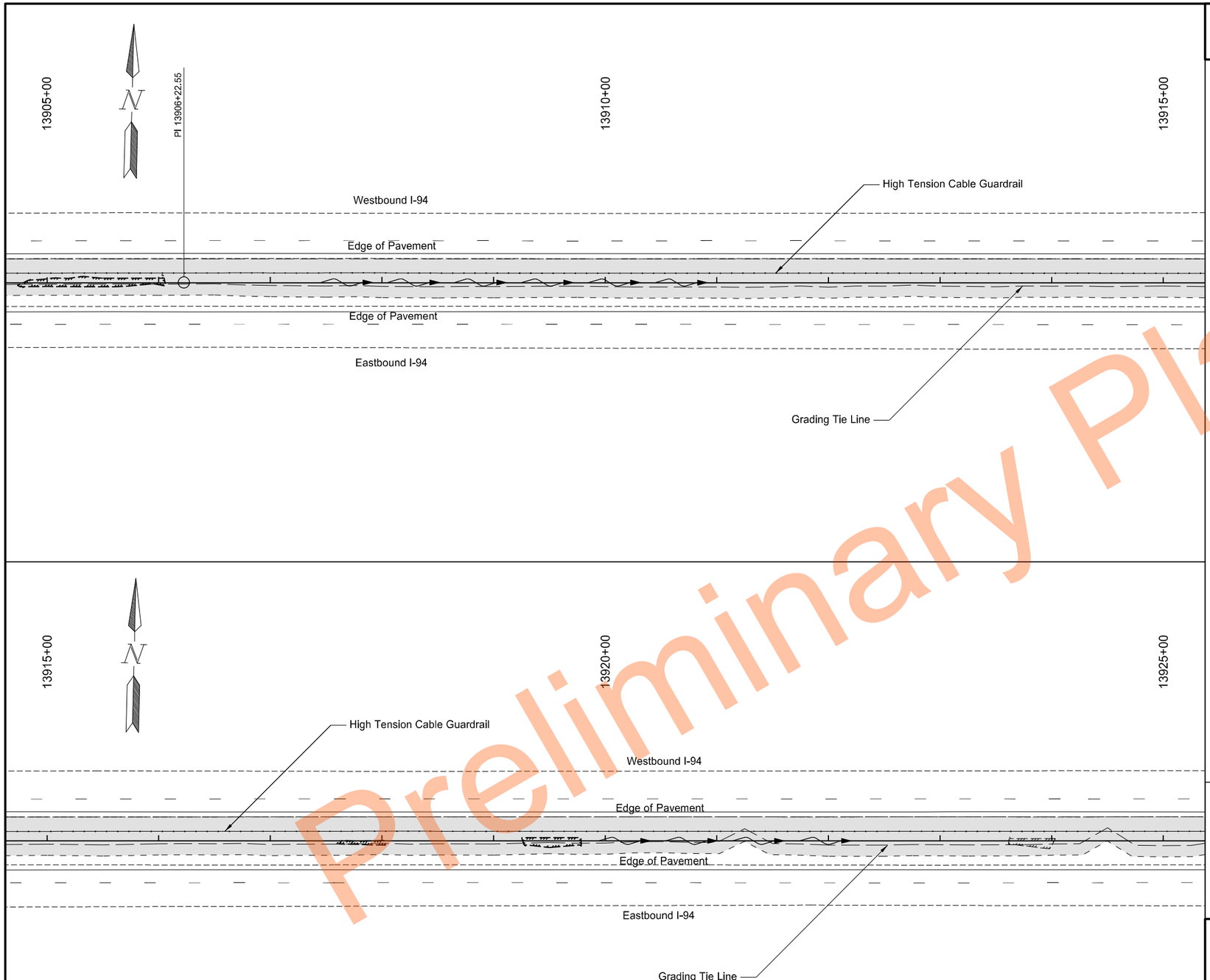


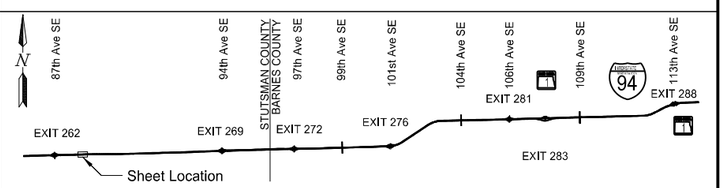
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	7

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13905+00.0 to 13925+00.0	1.56	Acre
253	0201	Hydraulic Mulch		
		13905+00.0 to 13925+00.0	1.56	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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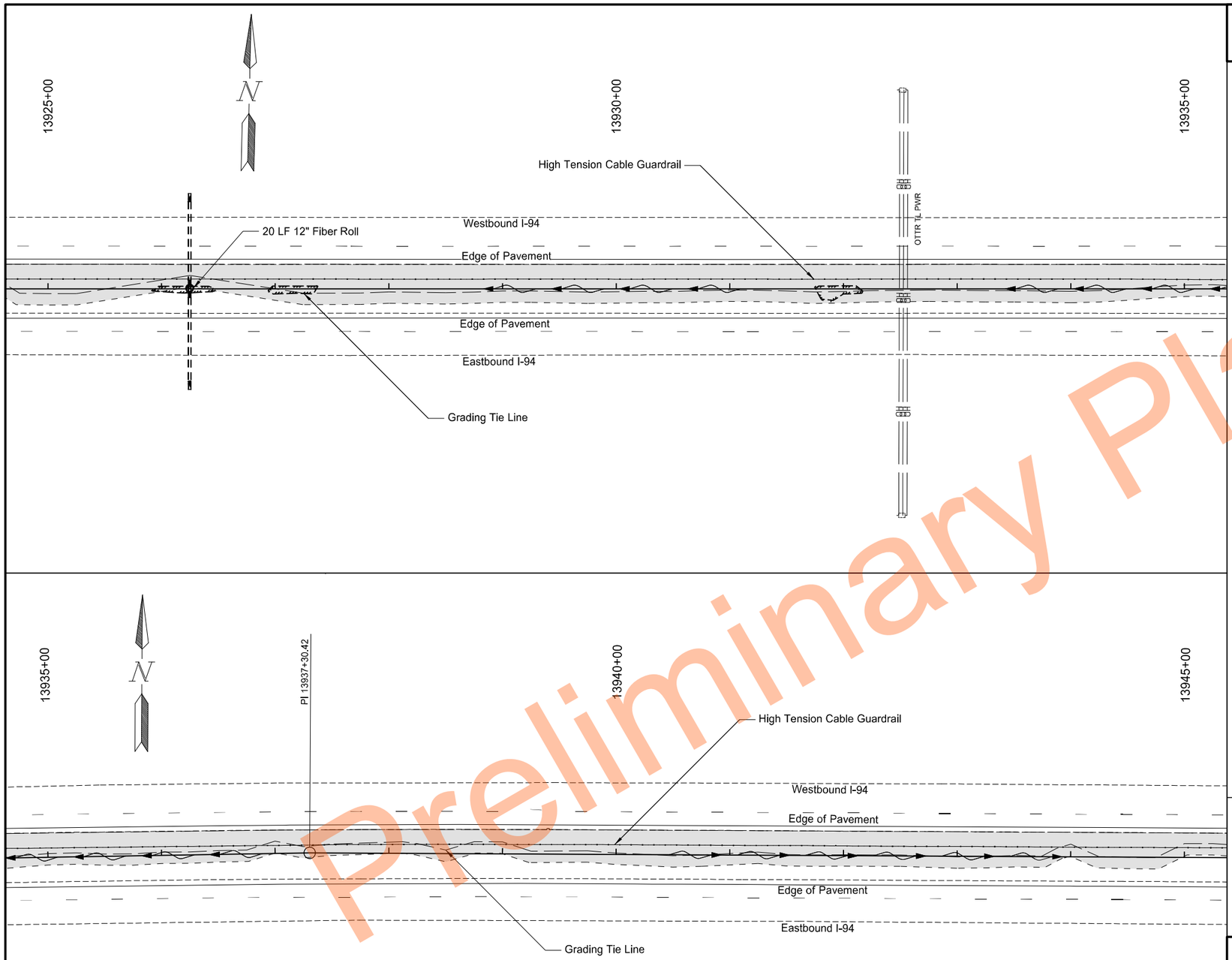


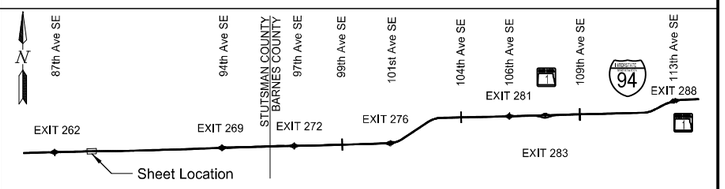
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	8

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13925+00.0 to 13945+00.0	1.39	Acre
253	0201	Hydraulic Mulch		
		13925+00.0 to 13945+00.0	1.39	Acre
261	0112	Fiber Rolls 12IN		
		13926+25.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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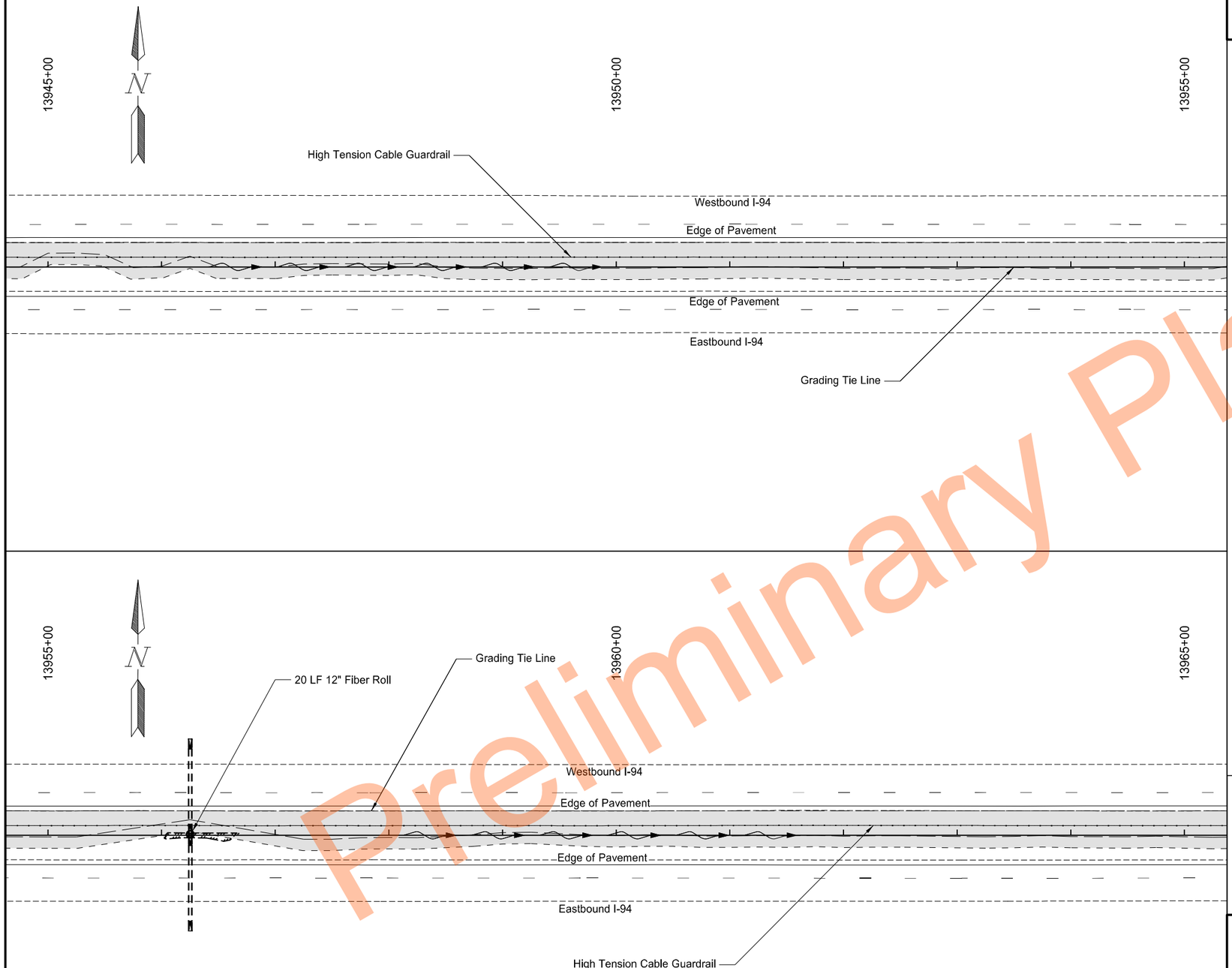


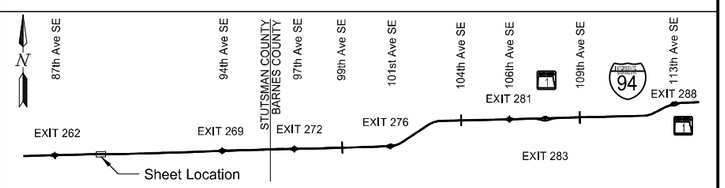
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	9

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13945+00.0 to 13965+00.0	1.42	Acre
253	0201	Hydraulic Mulch		
		13945+00.0 to 13965+00.0	1.42	Acre
261	0112	Fiber Rolls 12IN		
		13956+25.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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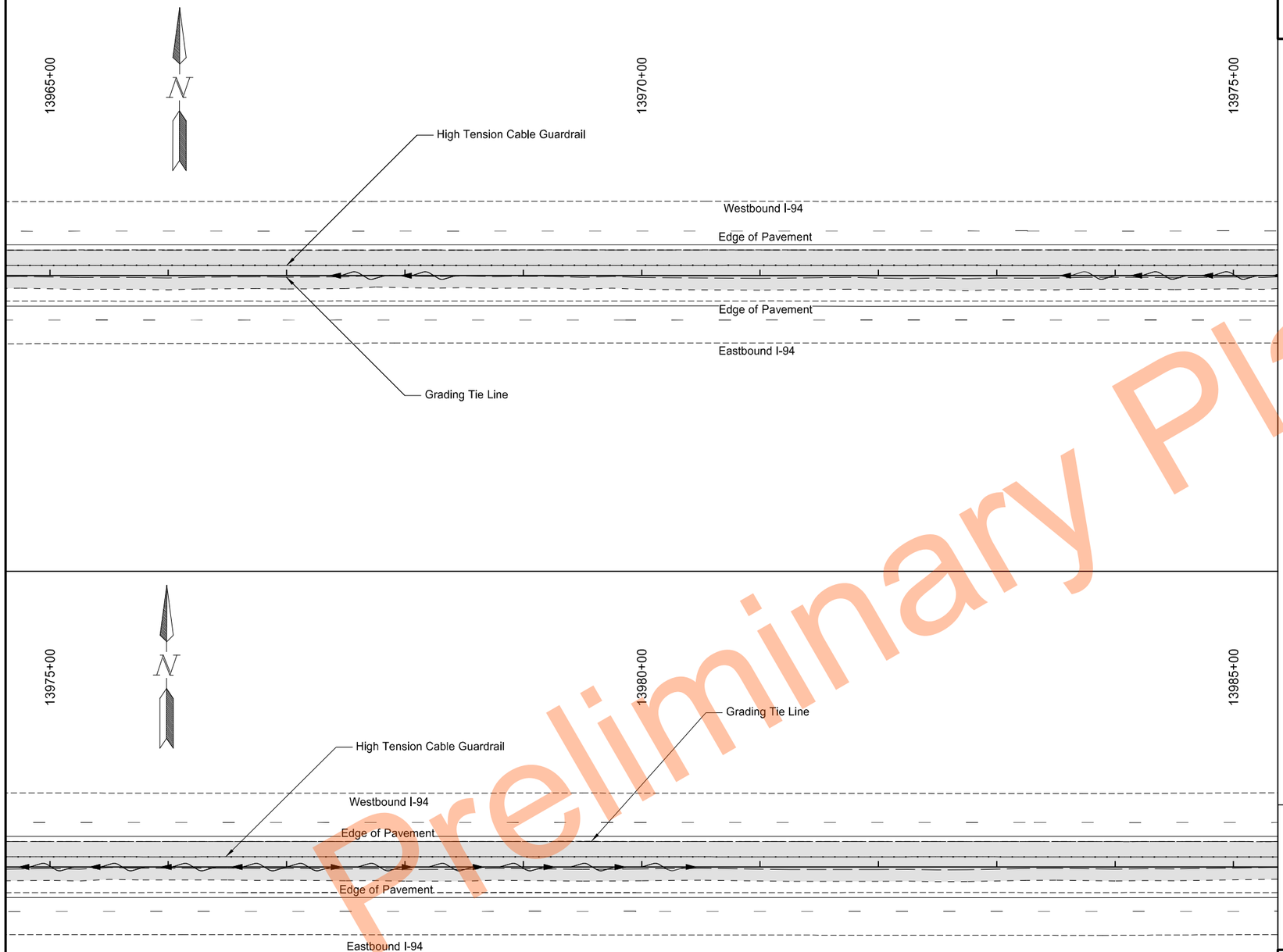
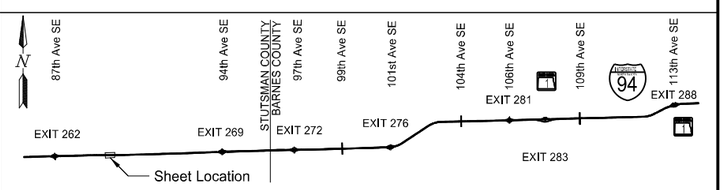


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	10

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13965+00.0 to 13985+00.0	1.52	Acre
253	0201	Hydraulic Mulch		
		13965+00.0 to 13985+00.0	1.52	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

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E of Exit 260 to W of Oakes

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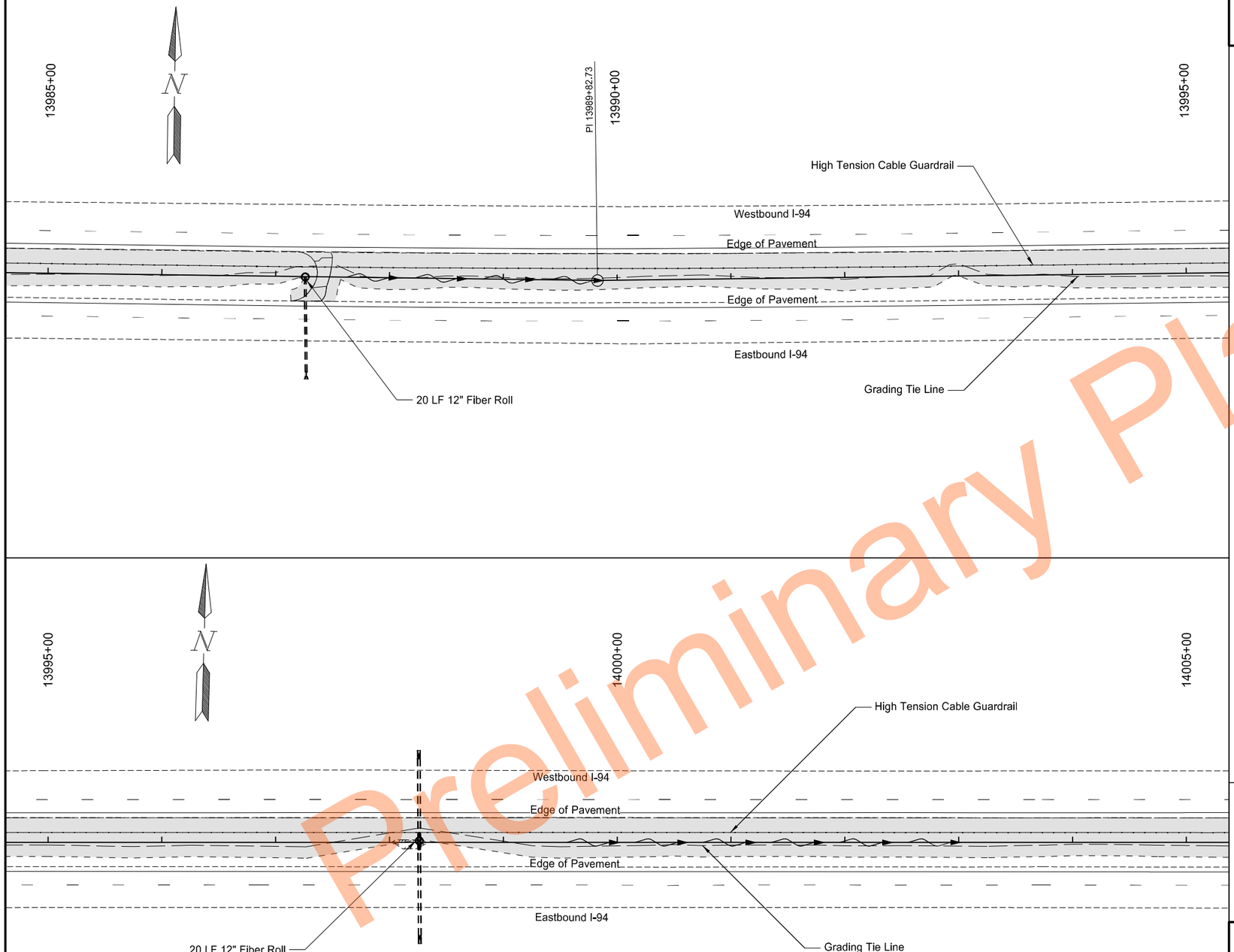
Preliminary Plans



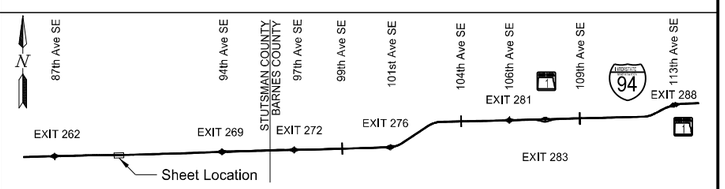
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	11

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		13985+00.0 to 14005+00.0	1.48	Acre
253	0201	Hydraulic Mulch		
		13985+00.0 to 14005+00.0	1.48	Acre
261	0112	Fiber Rolls 12IN		
		13987+26.1, Protect Inlet	20	LF
		13998+26.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

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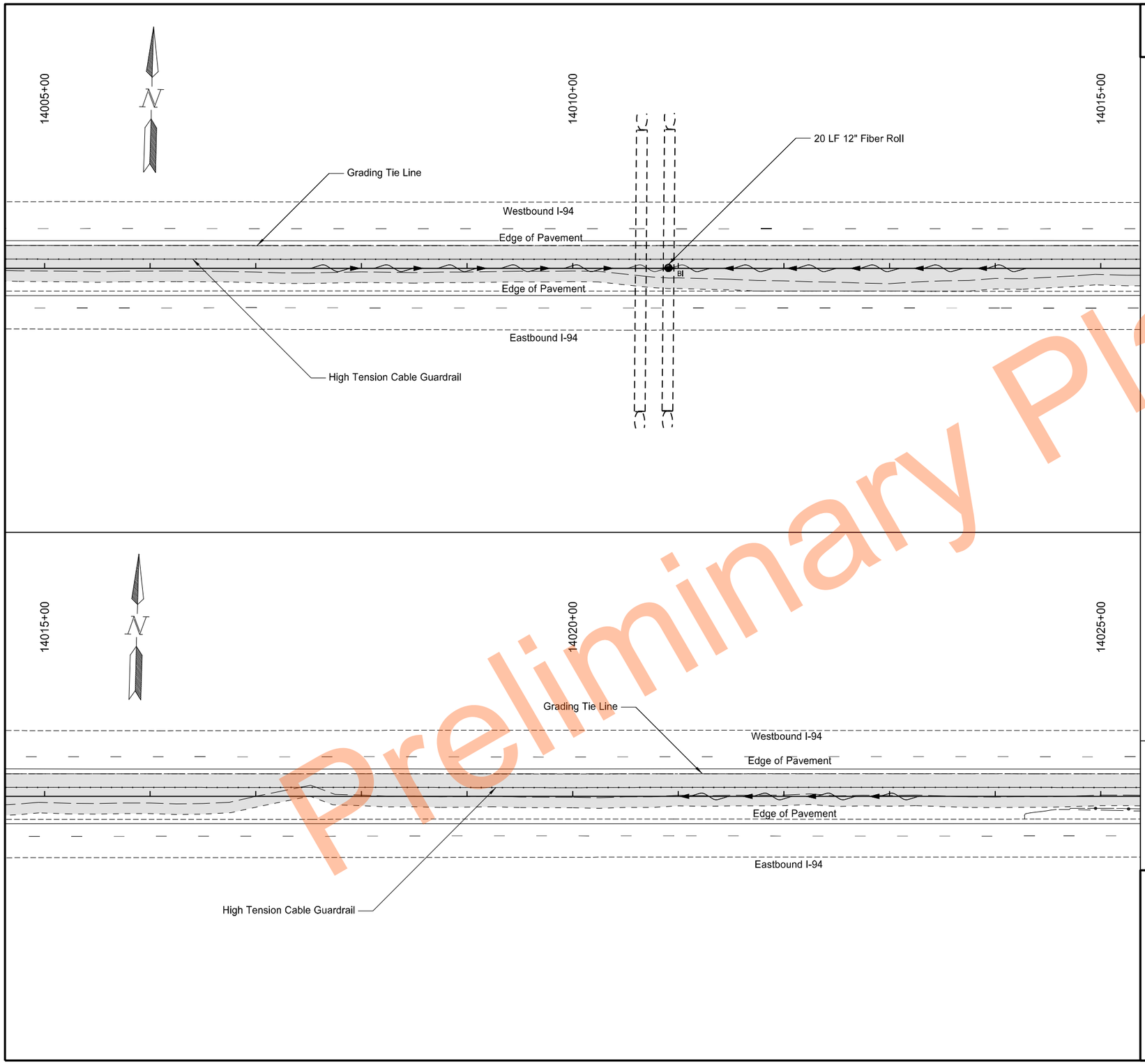


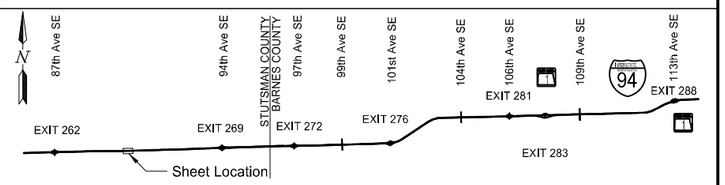
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	12

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14005+00.0 to 14025+00.0	1.61	Acre
253	0201	Hydraulic Mulch		
		14005+00.0 to 14025+00.0	1.61	Acre
261	0112	Fiber Rolls 12IN		
		14010+90.8, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

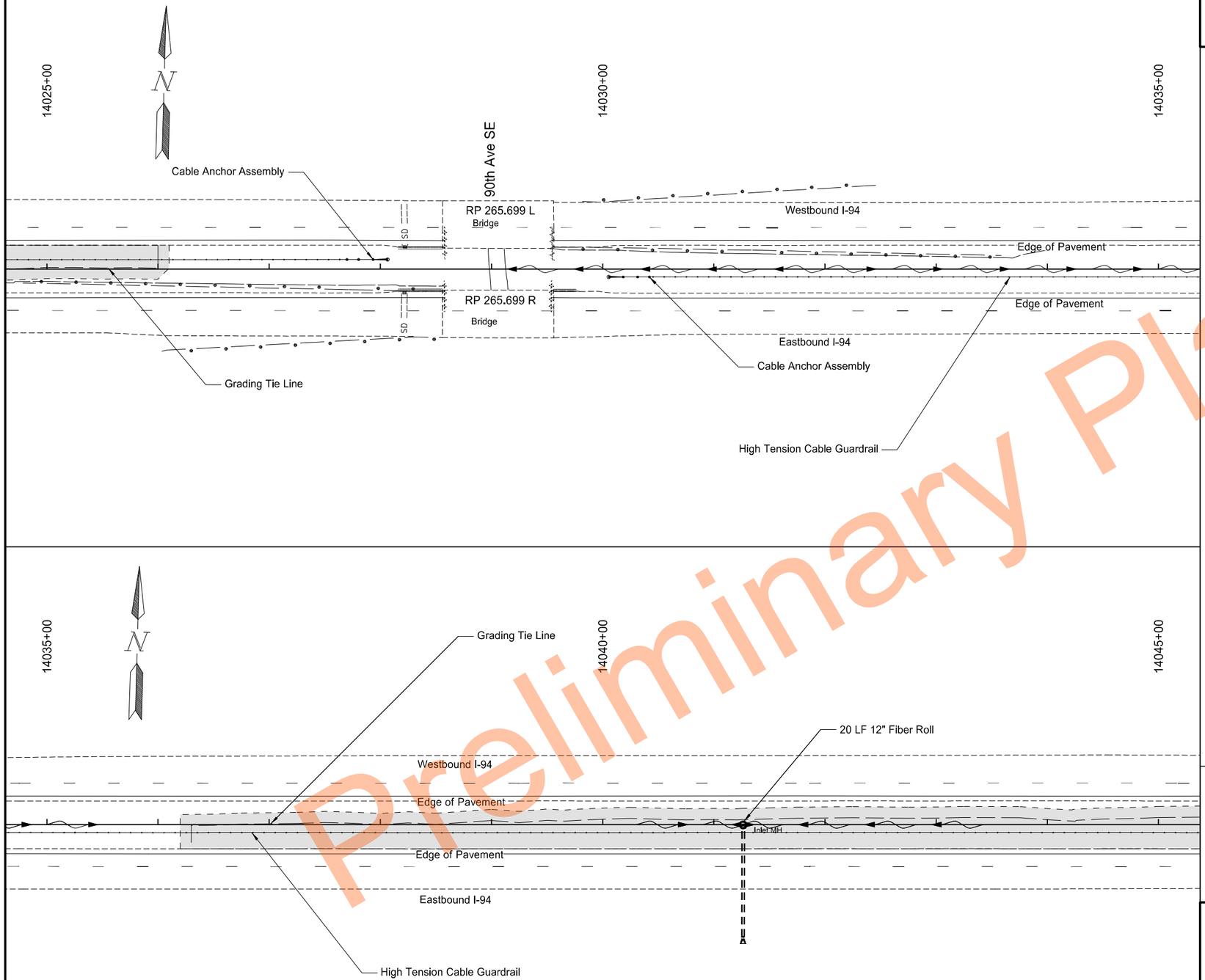


Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

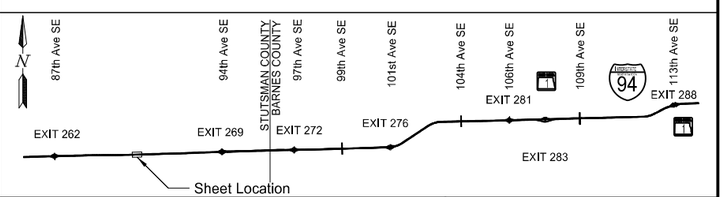


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	13

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14025+00.0 to 14026+10.0	0.08	Acre
		14036+20.0 to 14045+00.0	0.72	Acre
253	0201	Hydraulic Mulch		
		14025+00.0 to 14026+10.0	0.08	Acre
		14036+20.0 to 14045+00.0	0.72	Acre
261	0112	Fiber Rolls 12IN		
		14041+26.4, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
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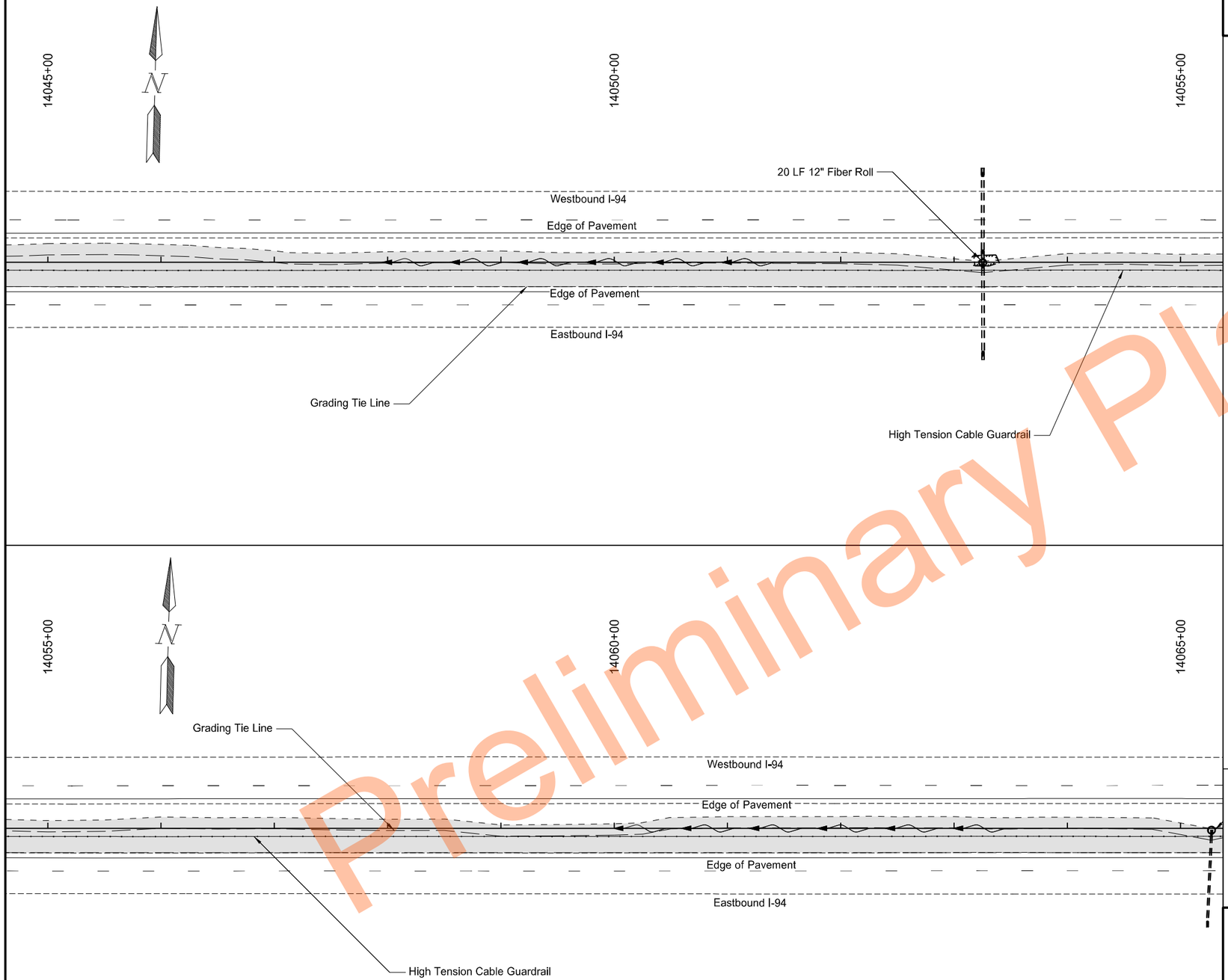
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



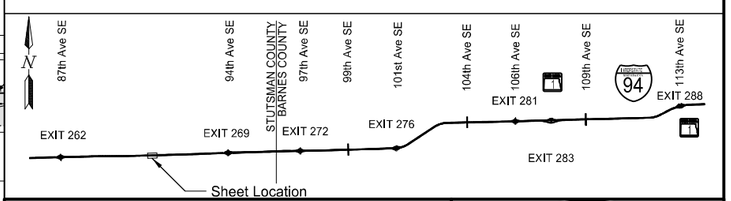
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	14

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14045+00.0 to 14065+00.0	1.40	Acre
253	0201	Hydraulic Mulch		
		14045+00.0 to 14065+00.0	1.40	Acre
261	0112	Fiber Rolls 12IN		
		14053+25.3, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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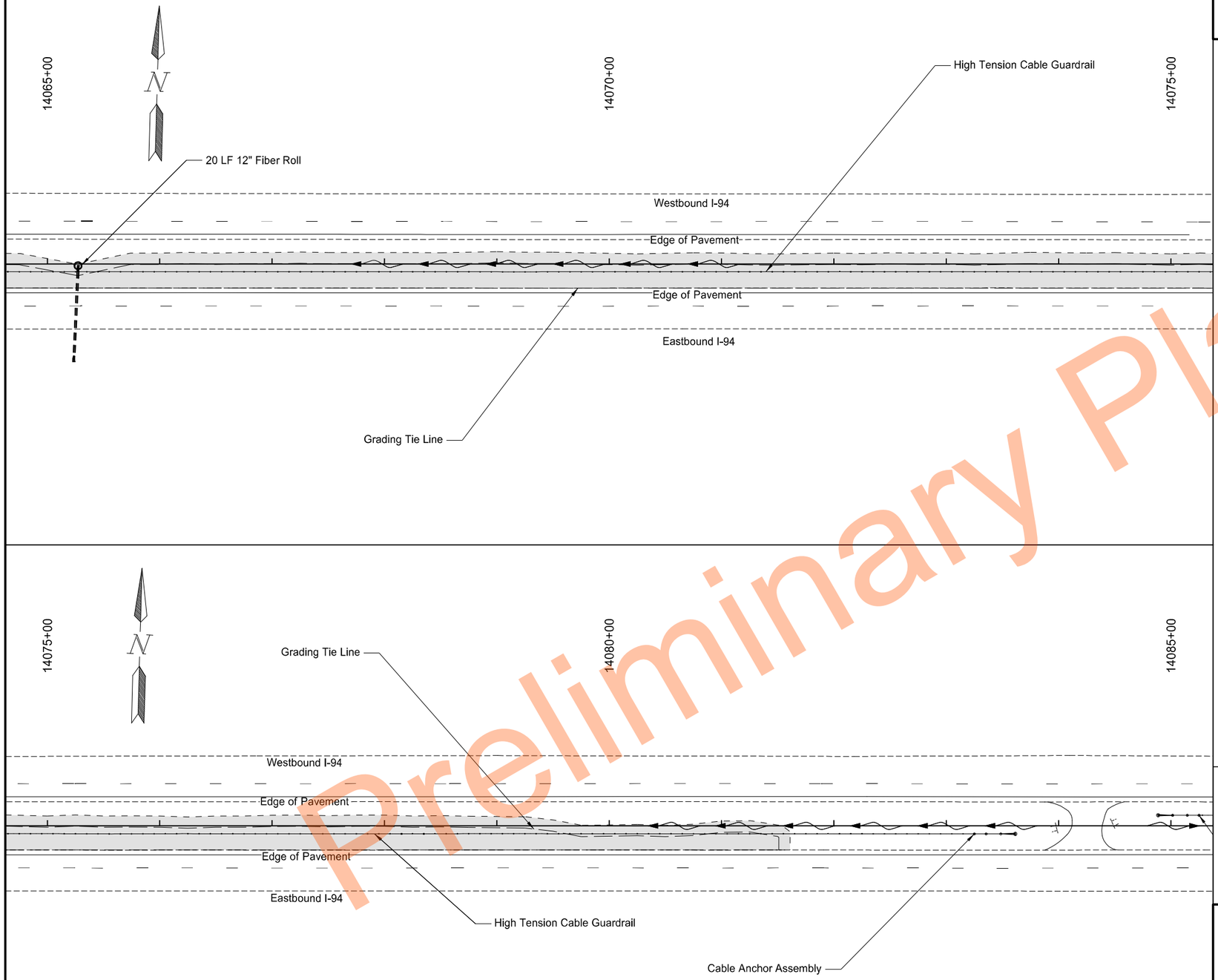


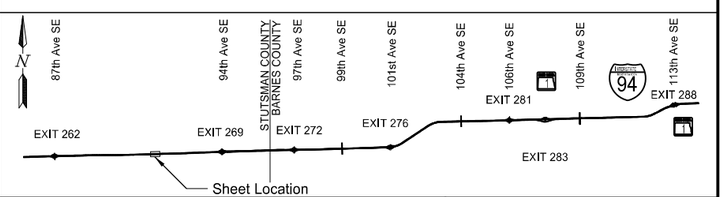
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	15

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14065+00.0 to 14081+61.0	1.13	Acre
253	0201	Hydraulic Mulch		
		14065+00.0 to 14081+61.0	1.13	Acre
261	0112	Fiber Rolls 12IN		
		14065+27.3, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

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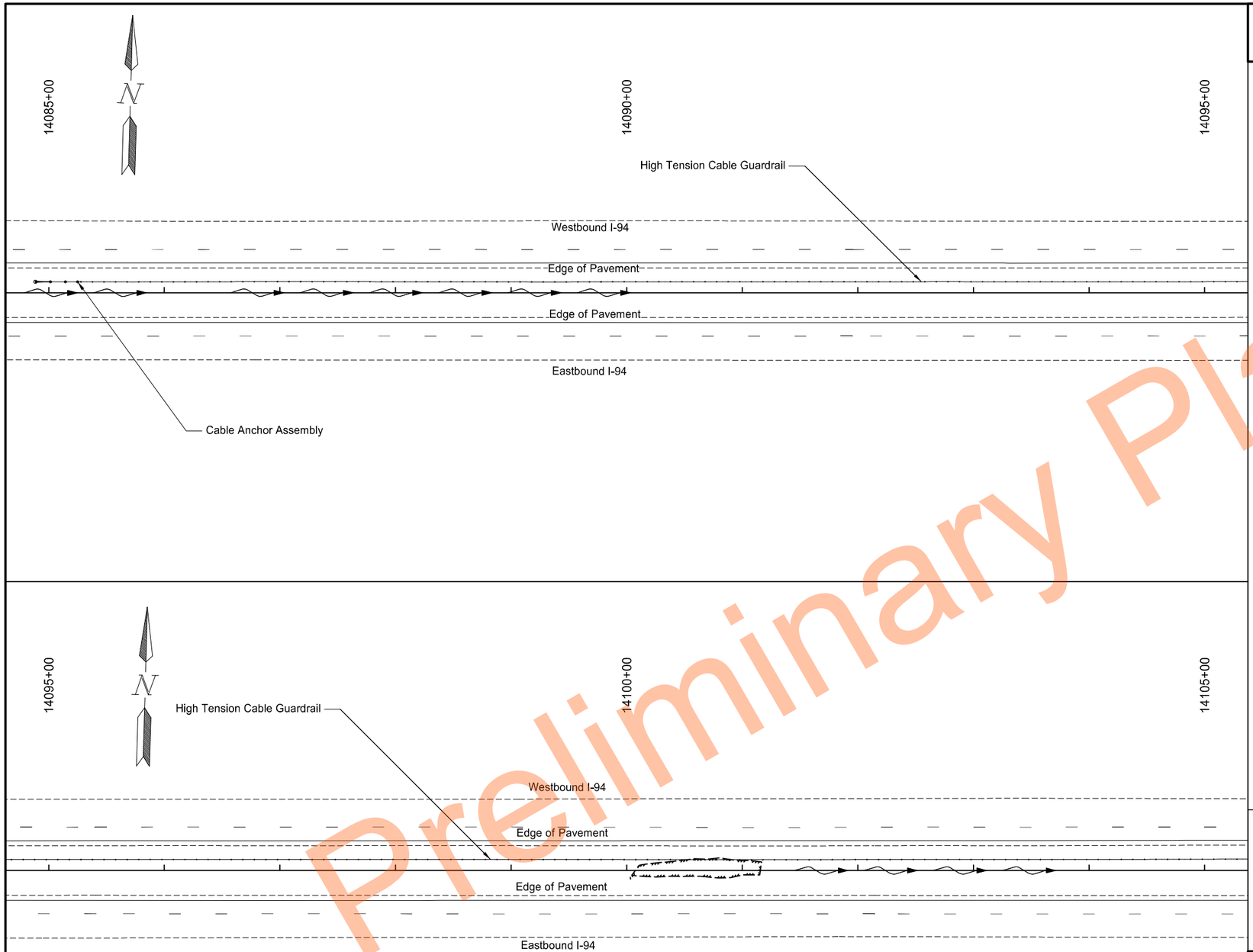
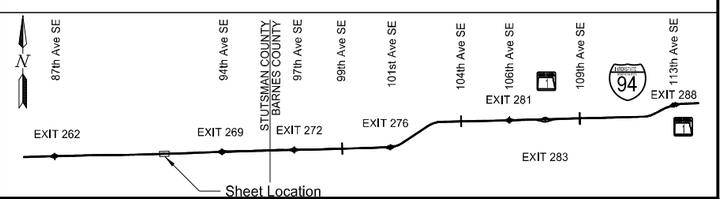
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	77	16



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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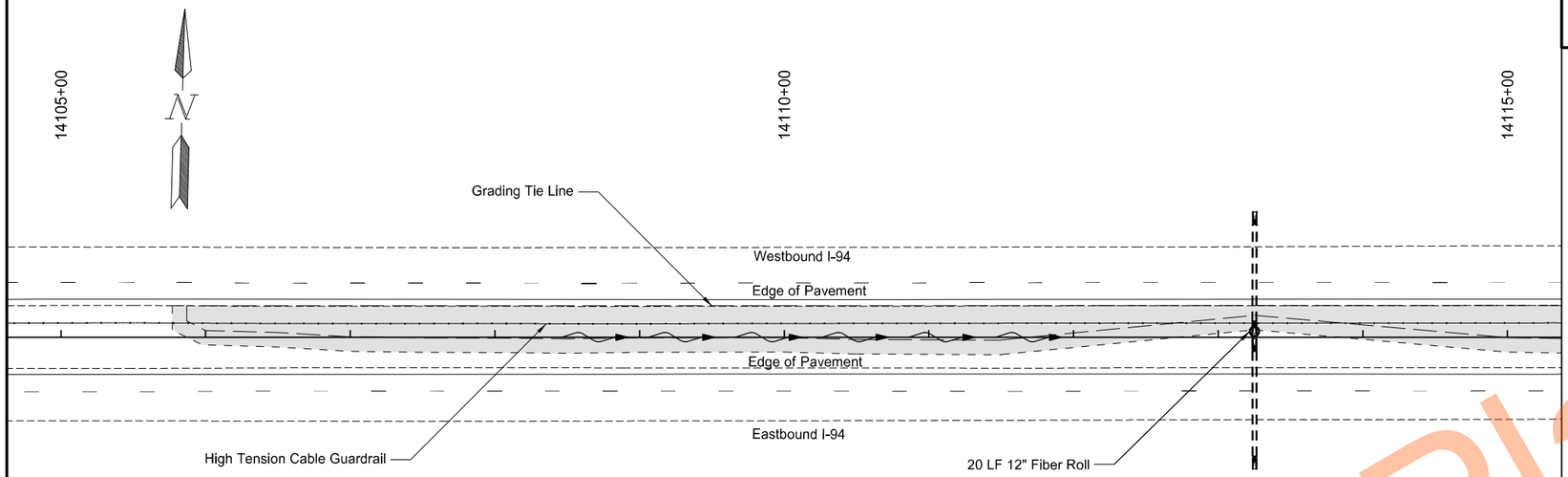
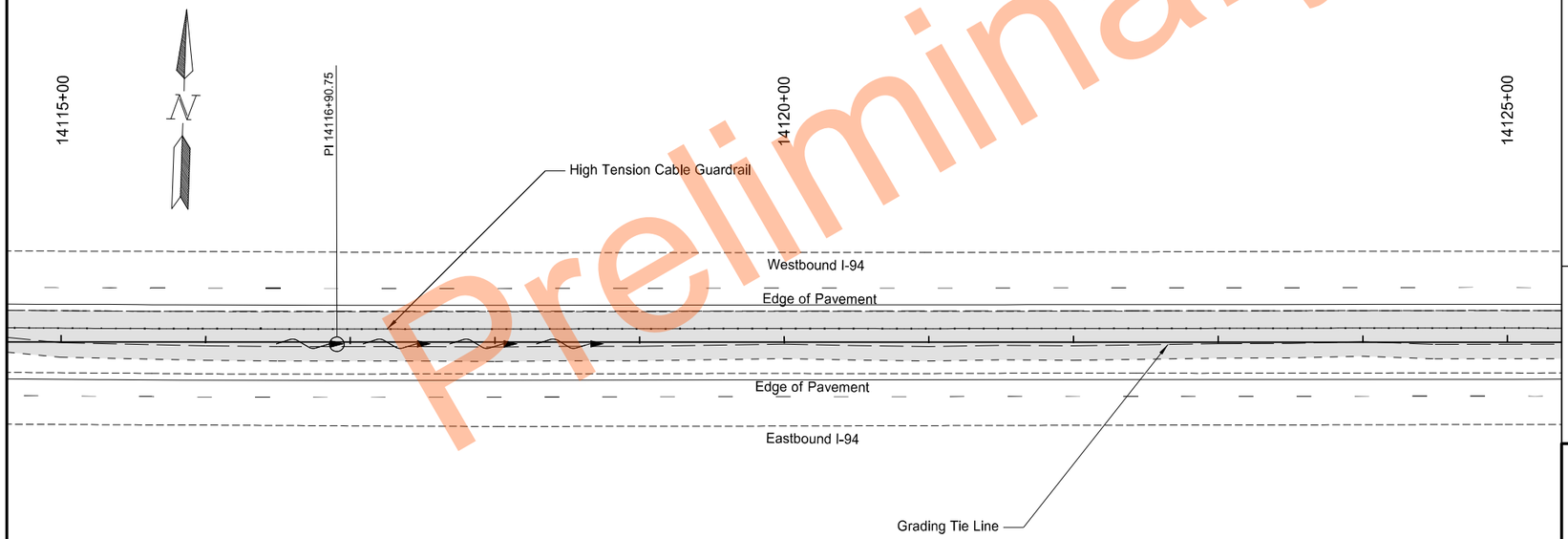




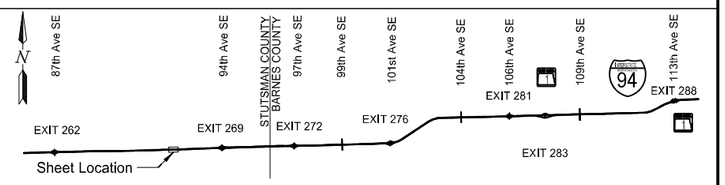
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	17

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14105+77.0 to 14125+00.0	1.38	Acre
253	0201	Hydraulic Mulch		
		14105+77.0 to 14125+00.0	1.38	Acre
261	0112	Fiber Rolls 12IN		
		14113+25.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

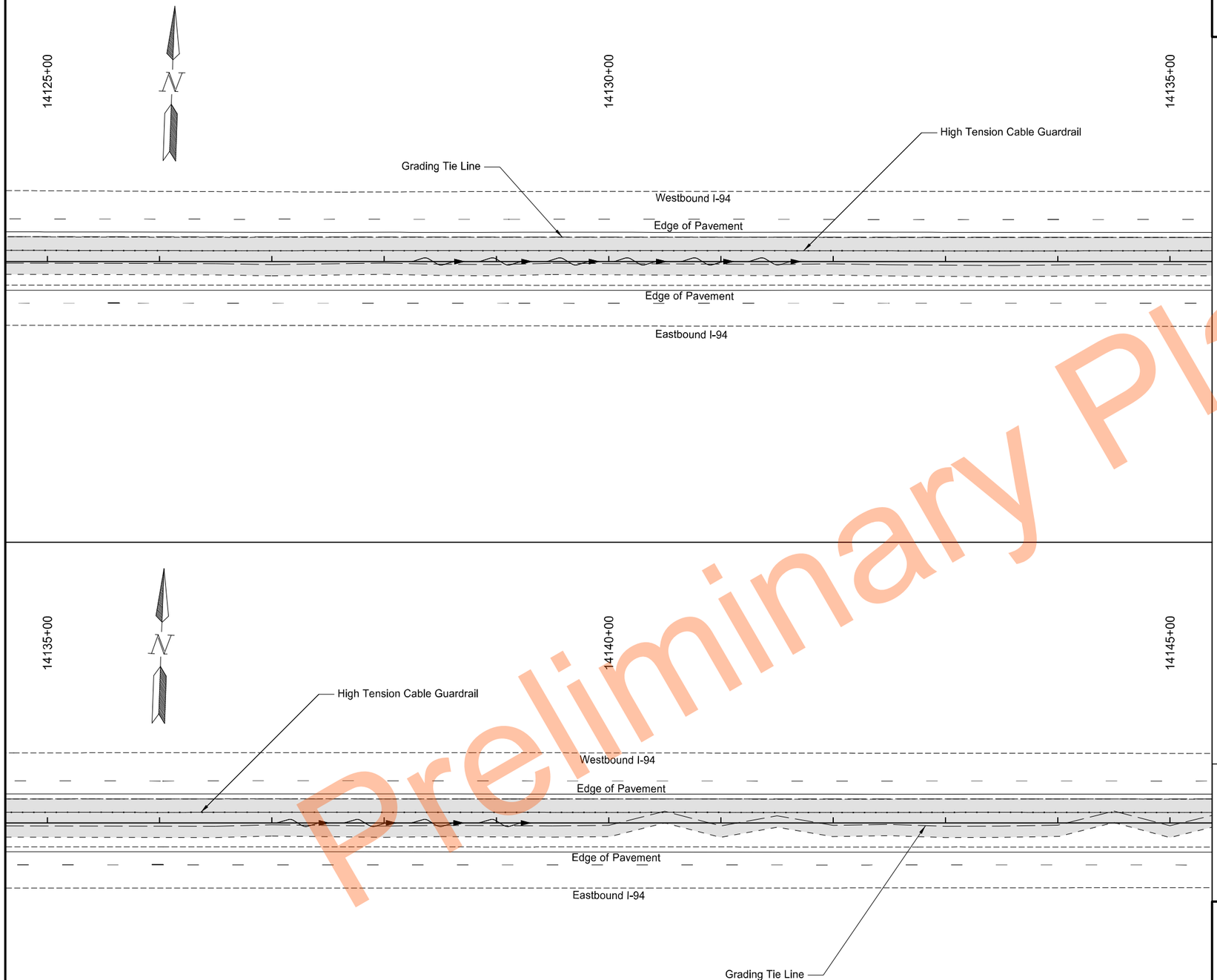


Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA



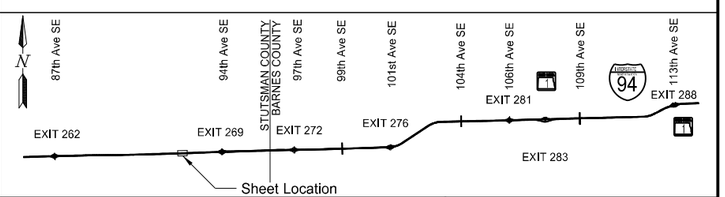
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	18

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14125+00.0 to 14145+00.0	1.52	Acre
253	0201	Hydraulic Mulch		
		14125+00.0 to 14145+00.0	1.52	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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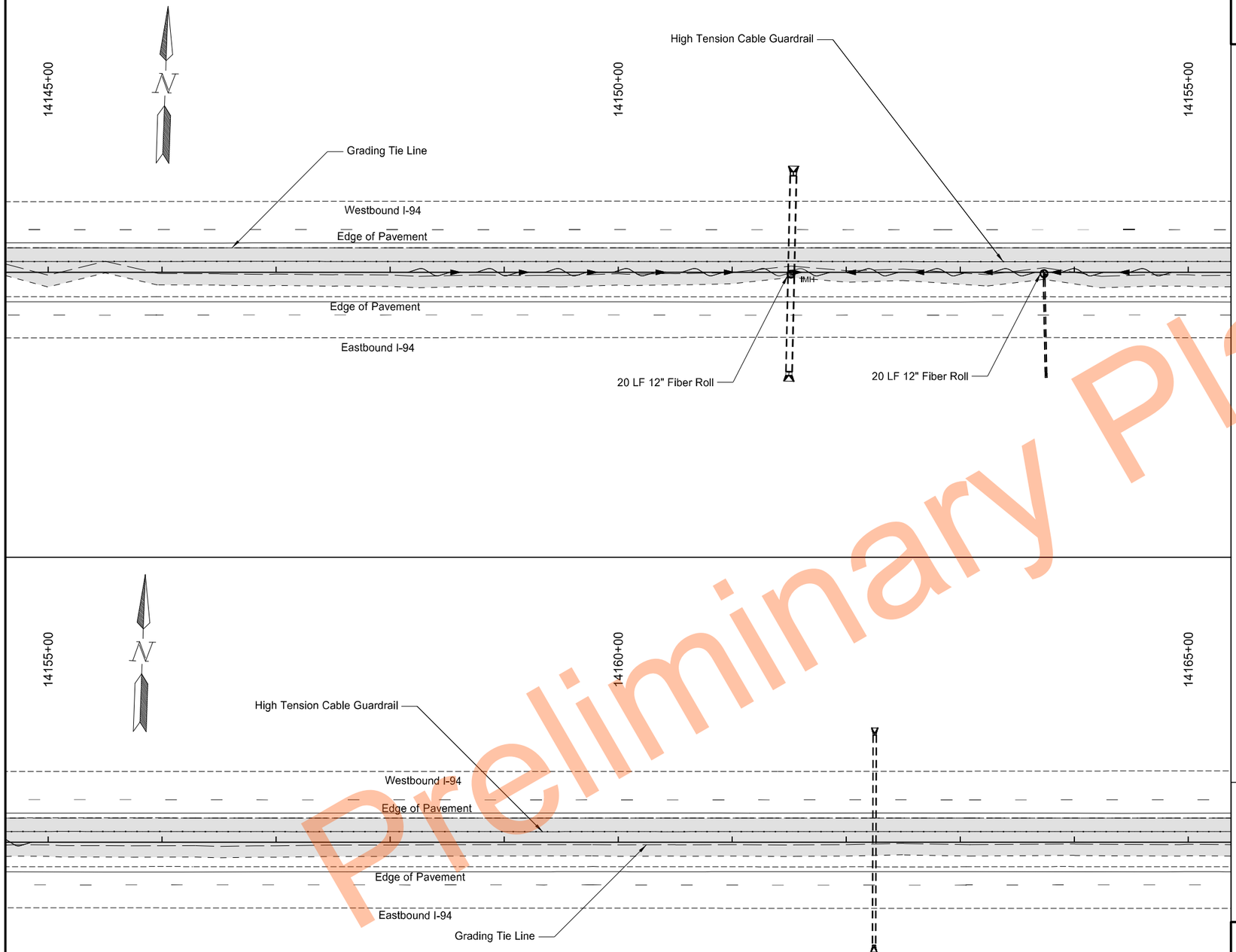


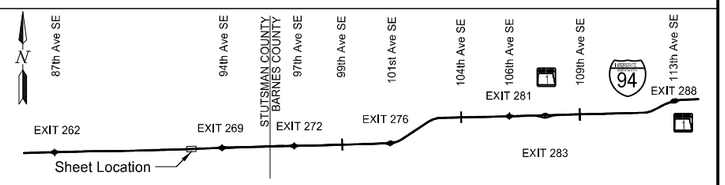
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	19

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14145+00.0 to 14165+00.0	1.50	Acre
253	0201	Hydraulic Mulch		
		14145+00.0 to 14165+00.0	1.50	Acre
261	0112	Fiber Rolls 12IN		
		14151+51.6, Protect Inlet	20	LF
		14153+73.5, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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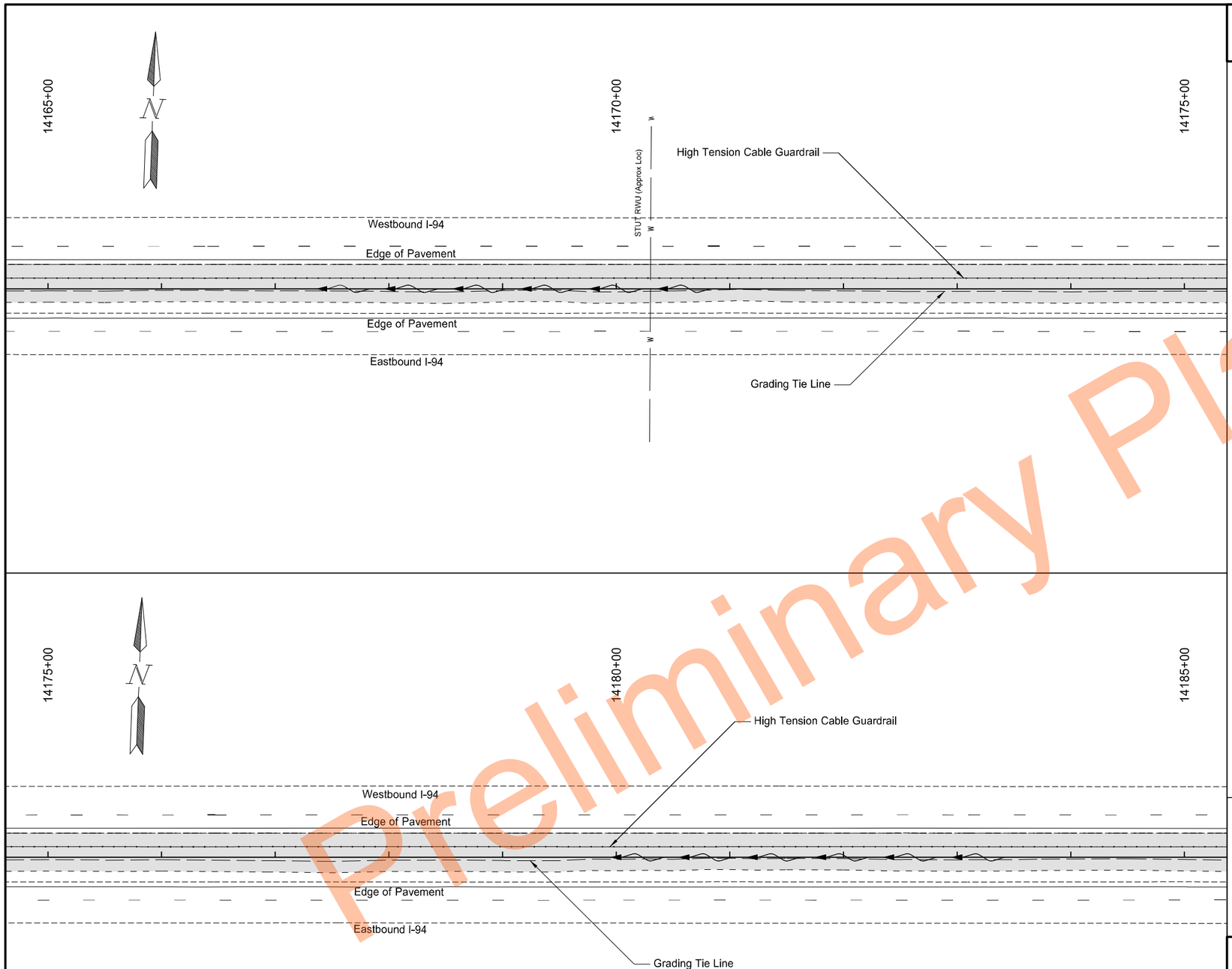


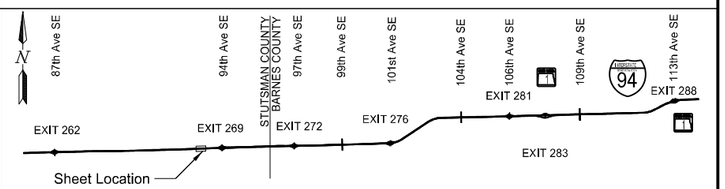
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	20

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14165+00.0 to 14185+00.0	1.53	Acre
253	0201	Hydraulic Mulch		
		14165+00.0 to 14185+00.0	1.53	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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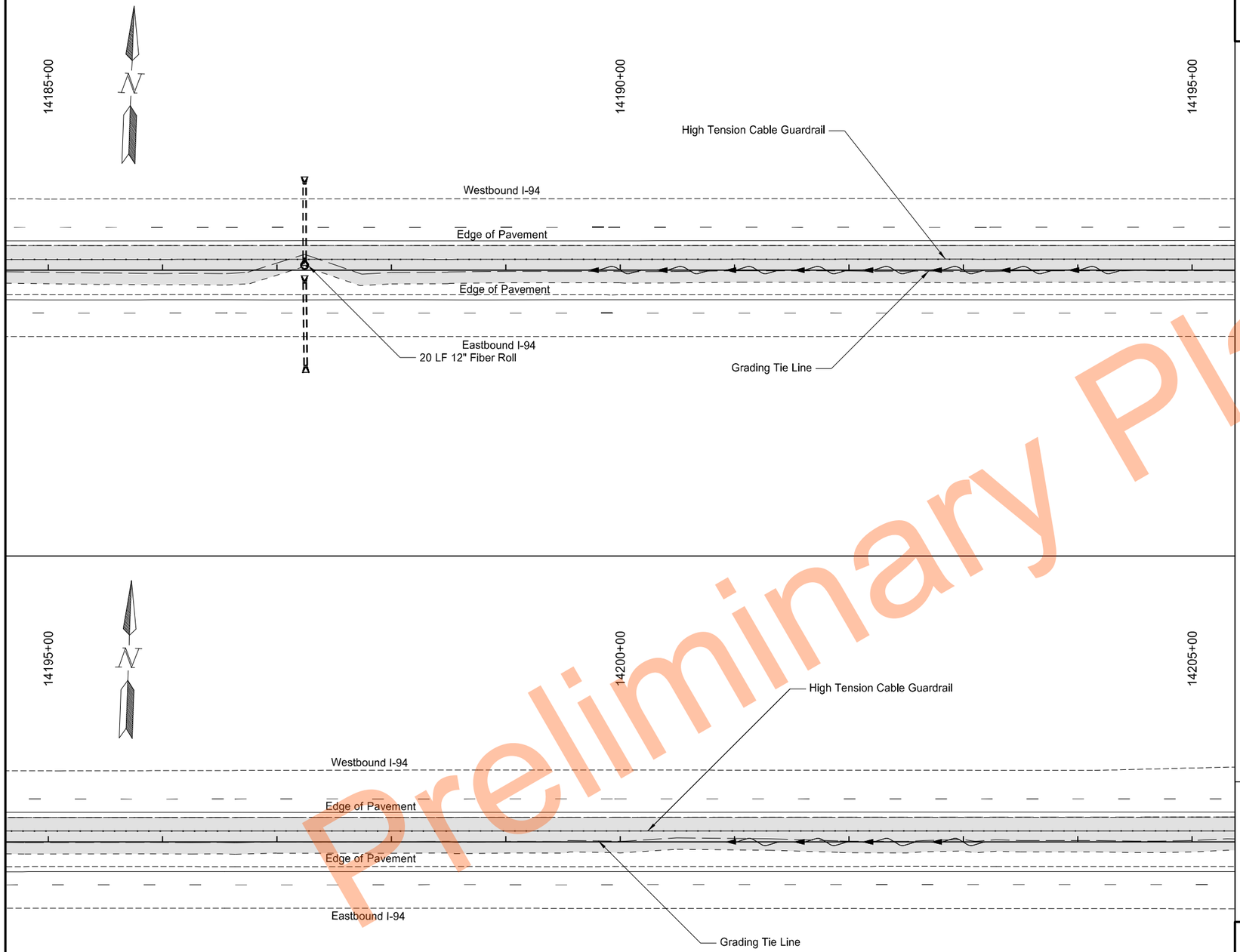


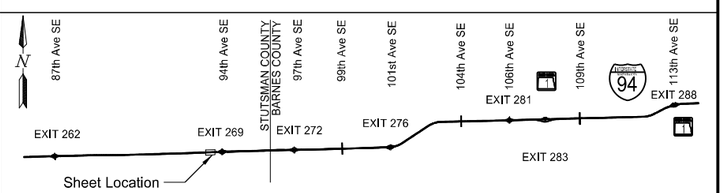
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	21

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14185+00.0 to 14205+00.0	1.44	Acre
253	0201	Hydraulic Mulch		
		14185+00.0 to 14205+00.0	1.44	Acre
261	0112	Fiber Rolls 12IN		
		14187+24.1, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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DATE 11/17/2023
NORTH DAKOTA

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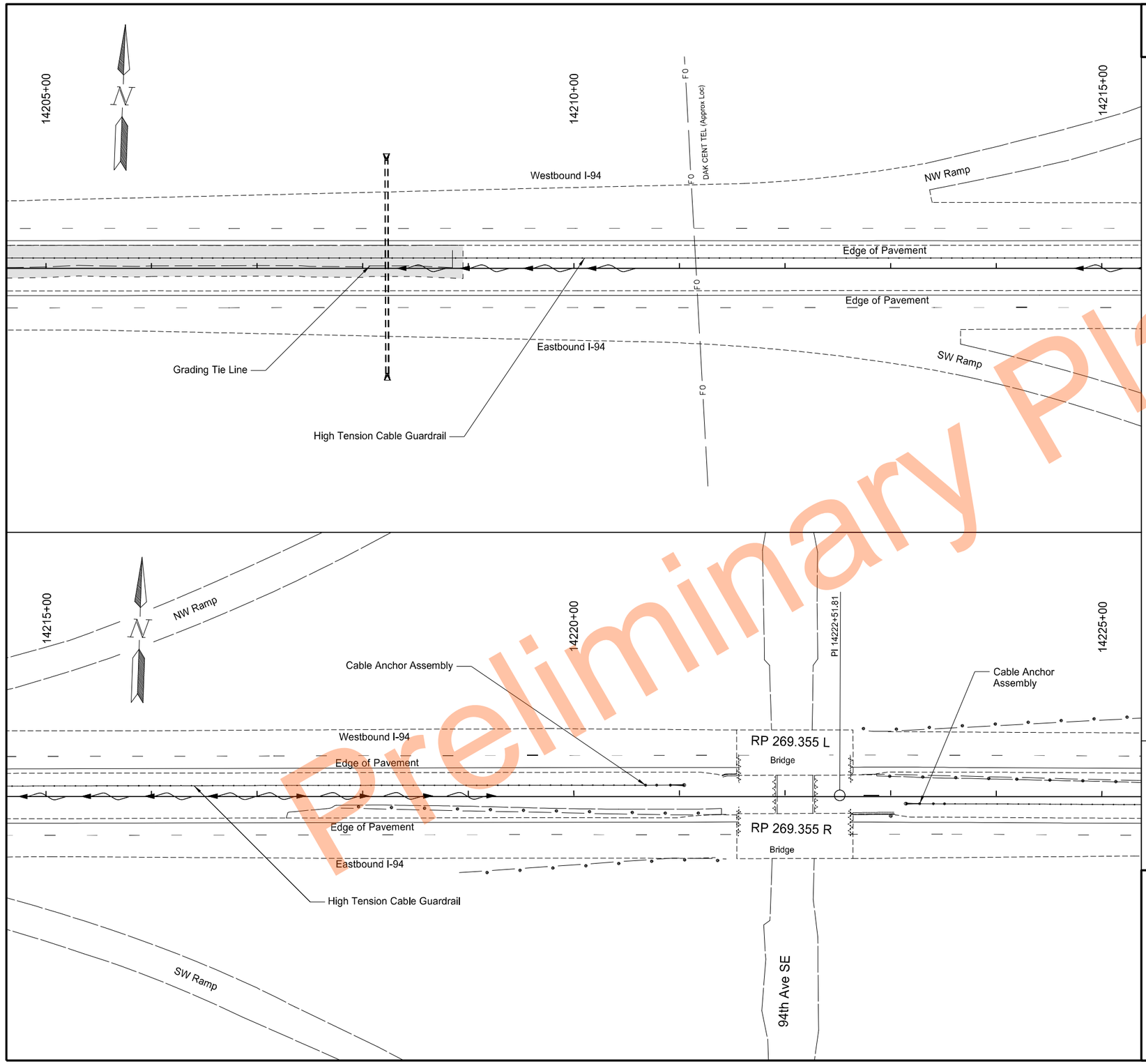
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	22

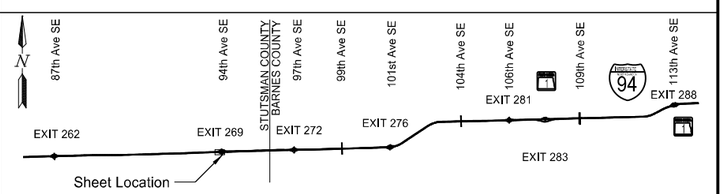
SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14205+00.0 to 14208+95.0	0.27	Acre
253	0201	Hydraulic Mulch		
		14205+00.0 to 14208+95.0	0.27	Acre



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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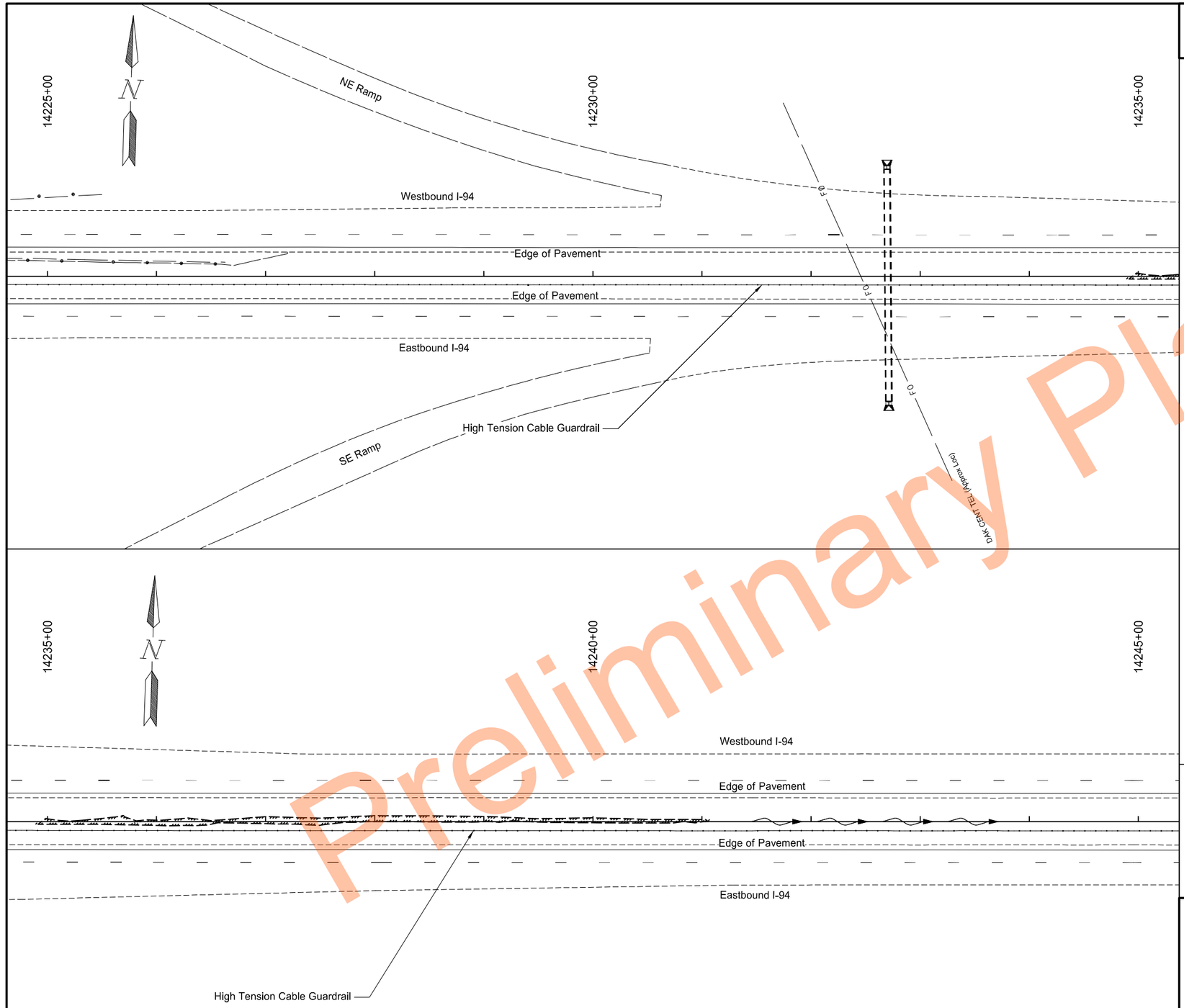
NORTH DAKOTA

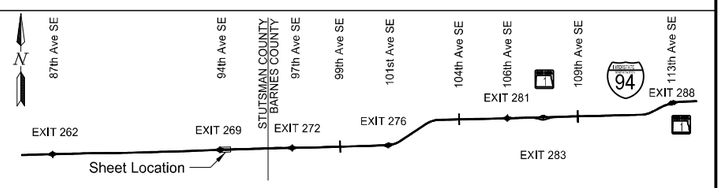
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	77	23



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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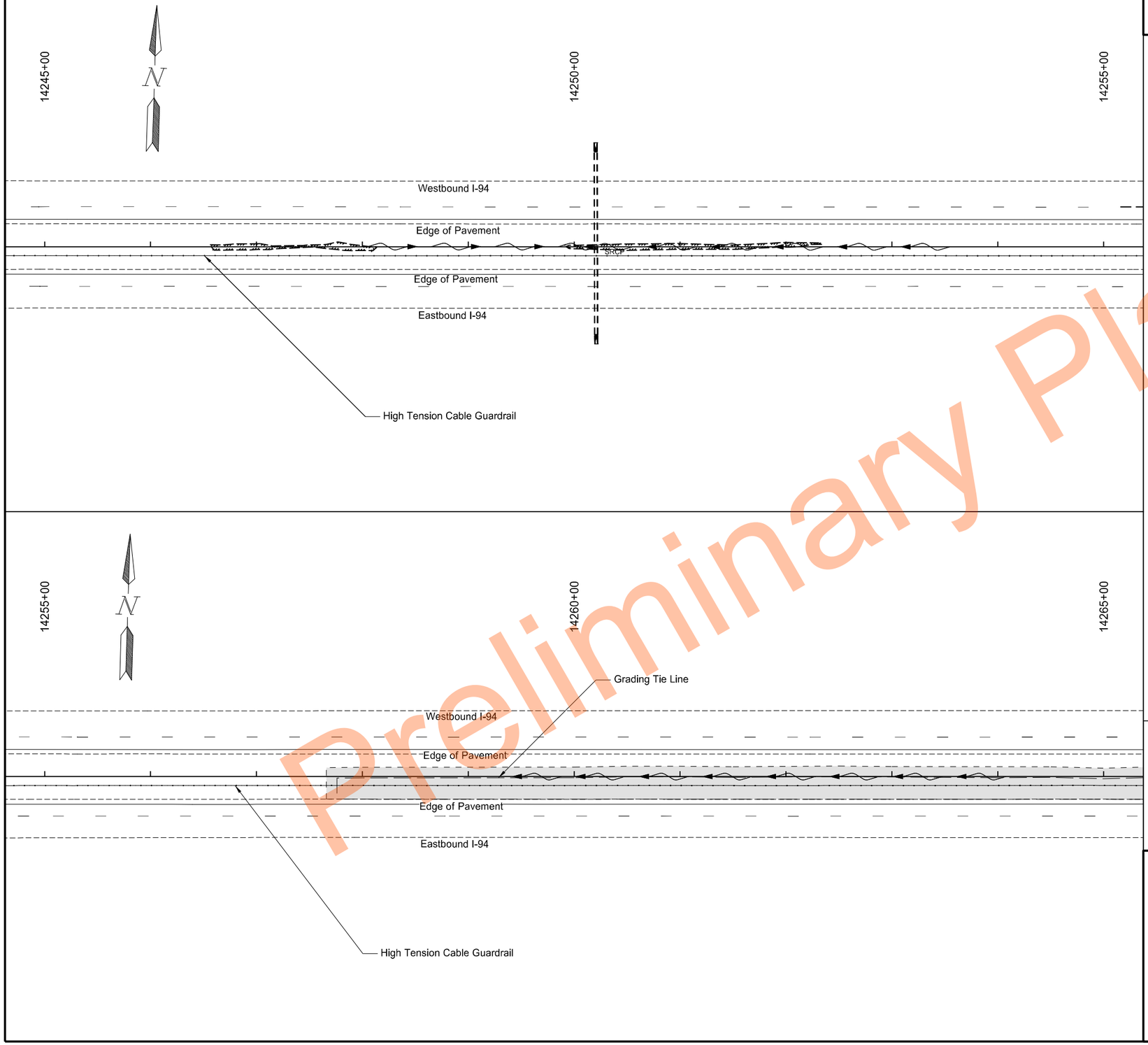


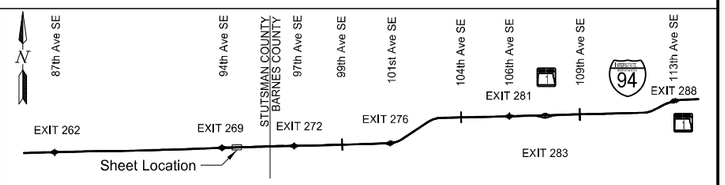
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	24

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14257+60.0 to 14265+00.0	0.52	Acre
253	0201	Hydraulic Mulch		
		14257+60.0 to 14265+00.0	0.52	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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DATE 11/17/2023
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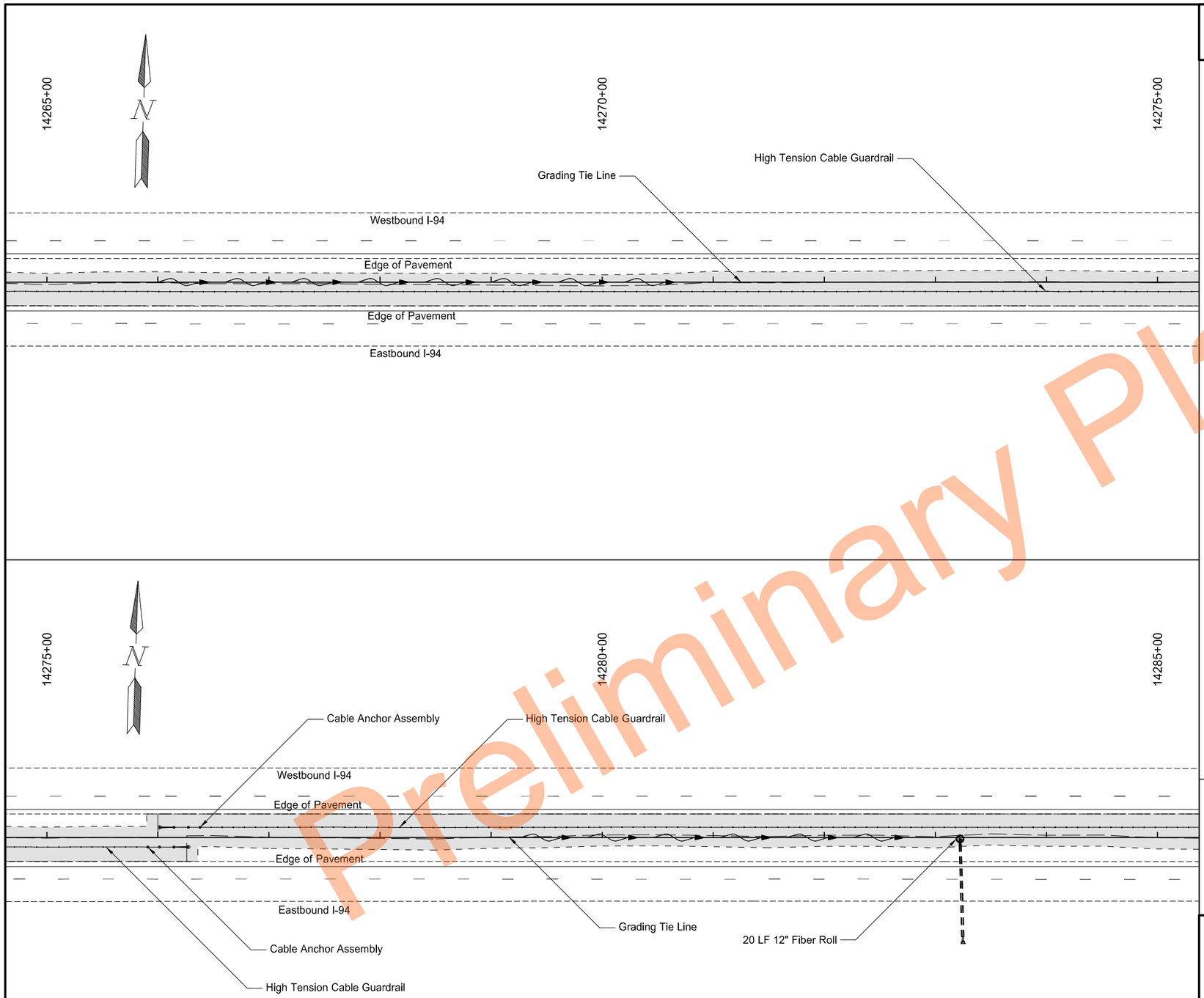


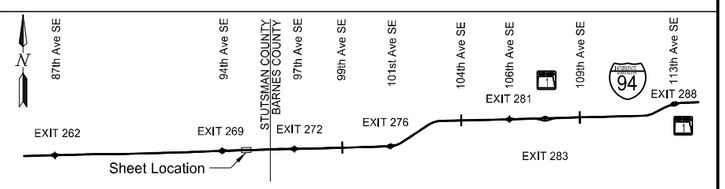
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	25

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14265+00.0 to 14285+00.0	1.40	Acre
253	0201	Hydraulic Mulch		
		14265+00.0 to 14285+00.0	1.40	Acre
261	0112	Fiber Rolls 12IN		
		14283+22.3, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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DATE 11/17/2023
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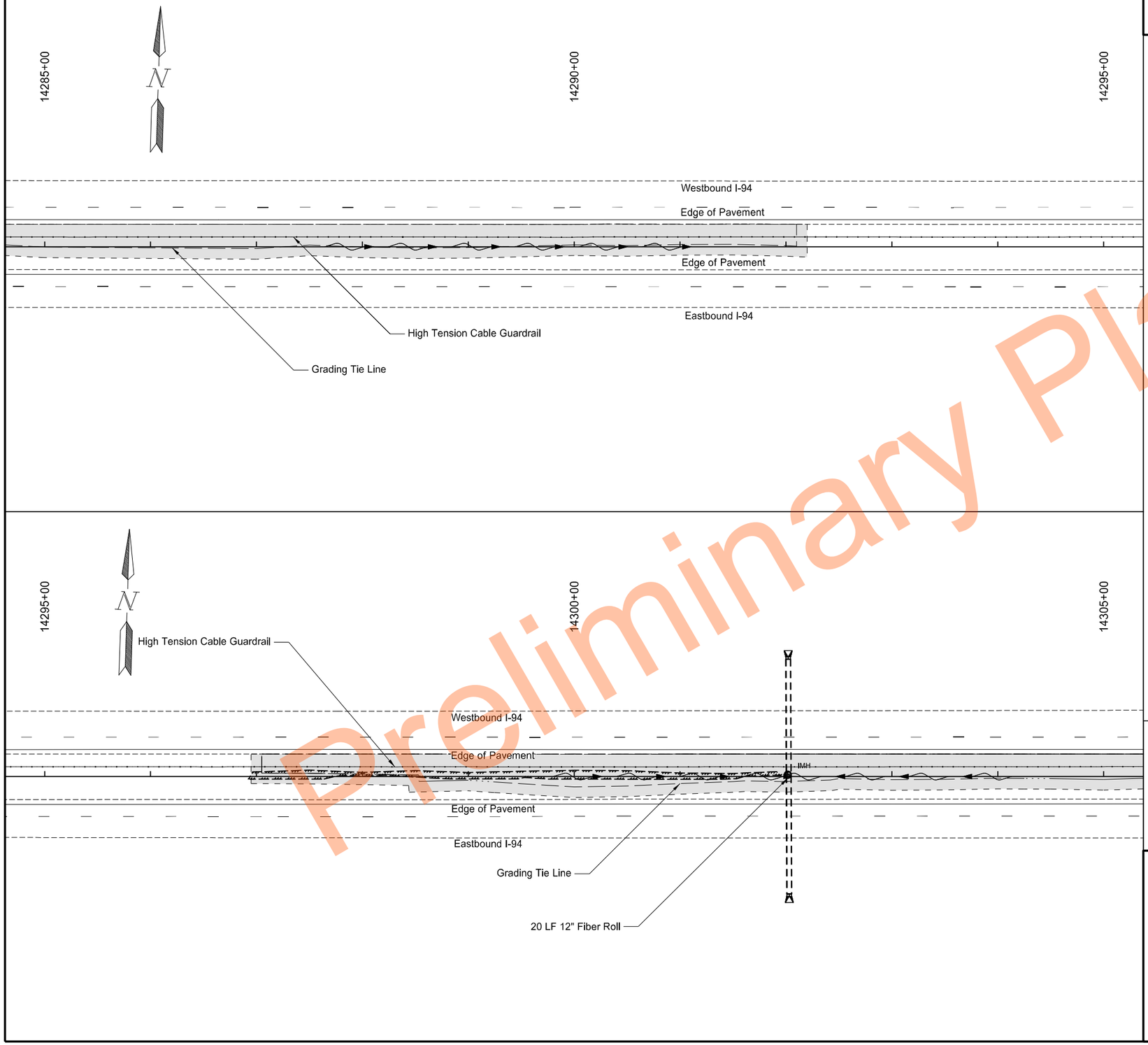
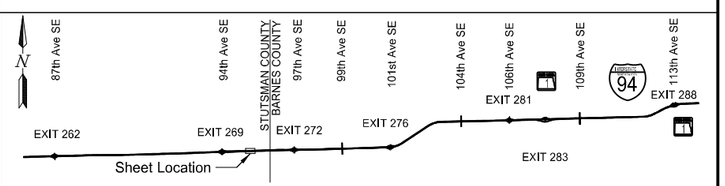


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	26

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14285+00.0 to 14292+20.0	0.51	Acre
		14296+95.0 to 14305+00.0	0.64	Acre
253	0201	Hydraulic Mulch		
		14285+00.0 to 14292+20.0	0.51	Acre
		14296+95.0 to 14305+00.0	0.64	Acre
261	0112	Fiber Rolls 12IN		
		14302+01.7, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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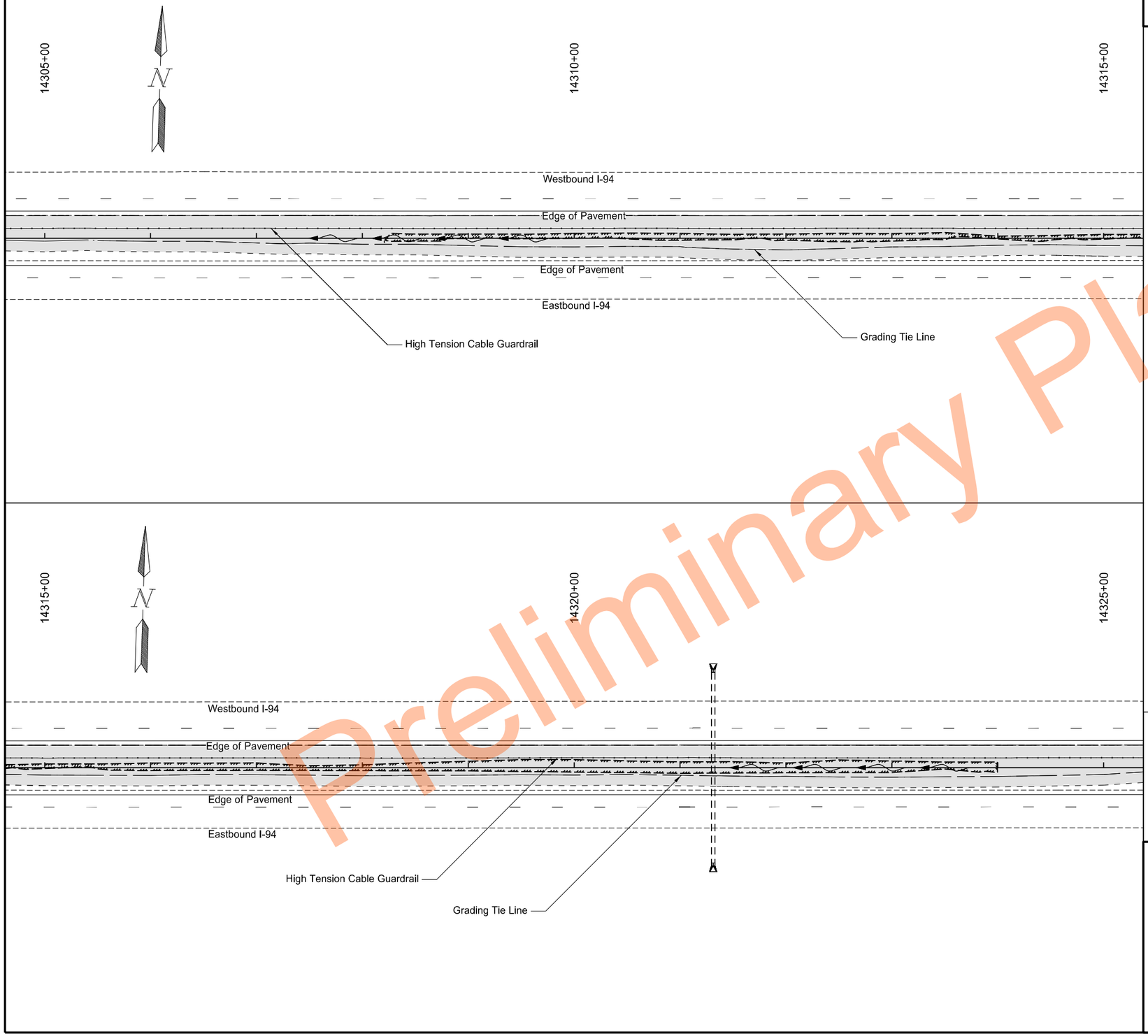
NORTH DAKOTA

Preliminary Plans



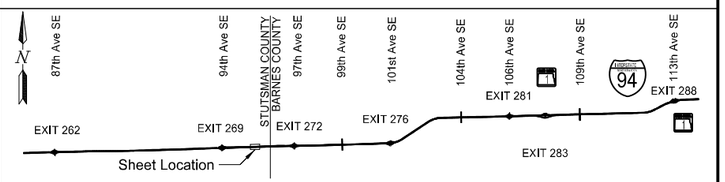
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	27

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14305+00.0 to 14325+00.0	1.76	Acre
253	0201	Hydraulic Mulch		
		14305+00.0 to 14325+00.0	1.76	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line

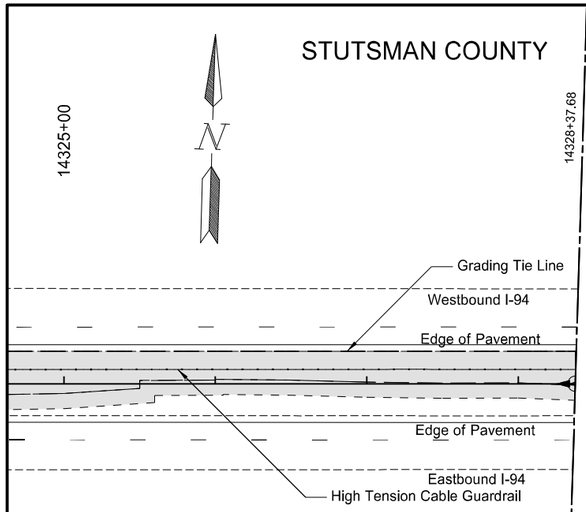


Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

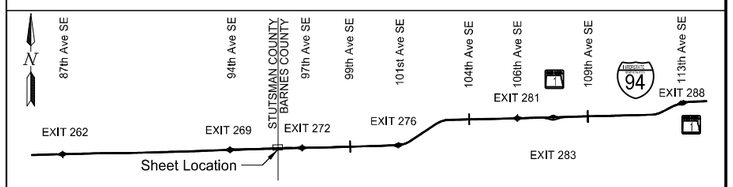


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	28

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14325+00.0 to 14328+37.7	0.24	Acre
253	0201	Hydraulic Mulch		
		14325+00.0 to 14328+37.7	0.24	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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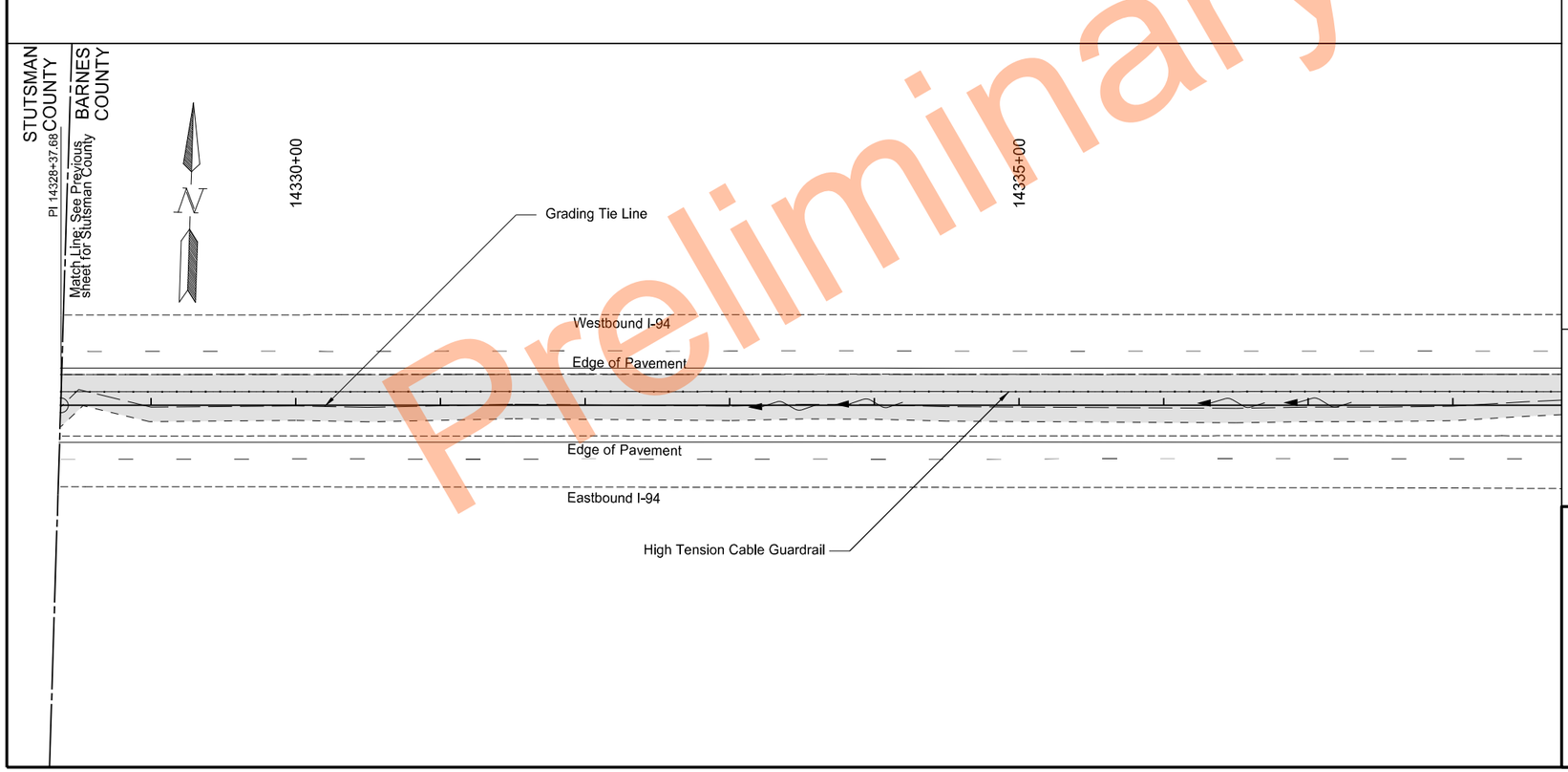
NORTH DAKOTA

Preliminary Plans

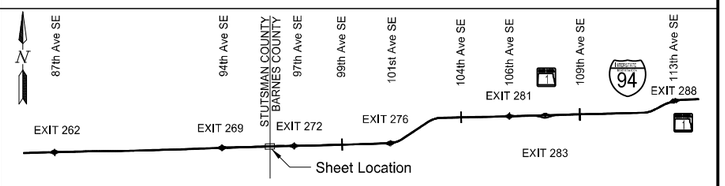
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	29

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14328+37.7 to 14338+50.0	0.74	Acre
253	0201	Hydraulic Mulch		
		14328+37.7 to 14338+50.0	0.74	Acre



Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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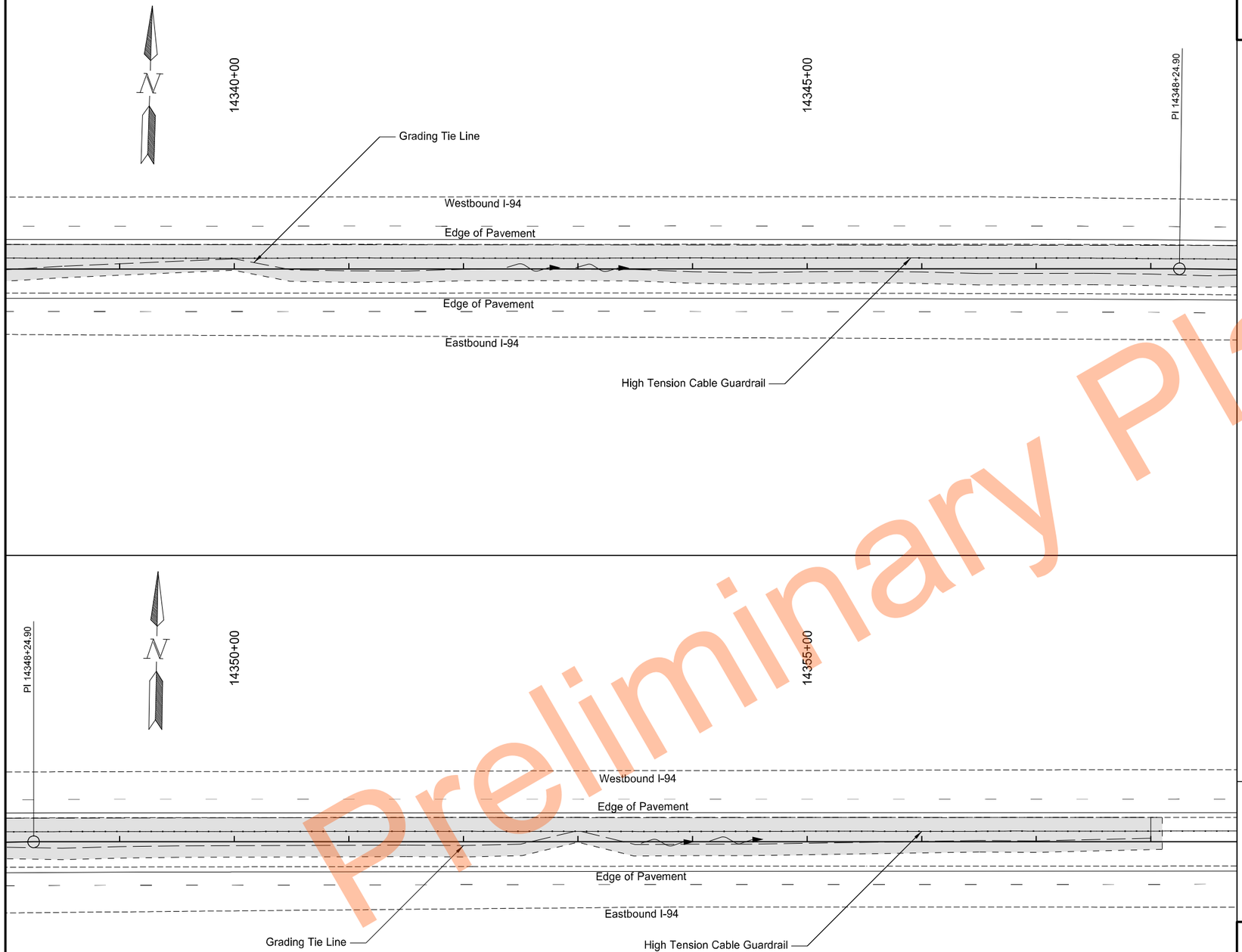
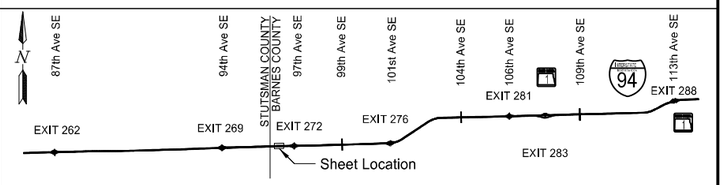


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	30

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14338+50.0 to 14358+10.0	1.45	Acre
253	0201	Hydraulic Mulch		
		14338+50.0 to 14358+10.0	1.45	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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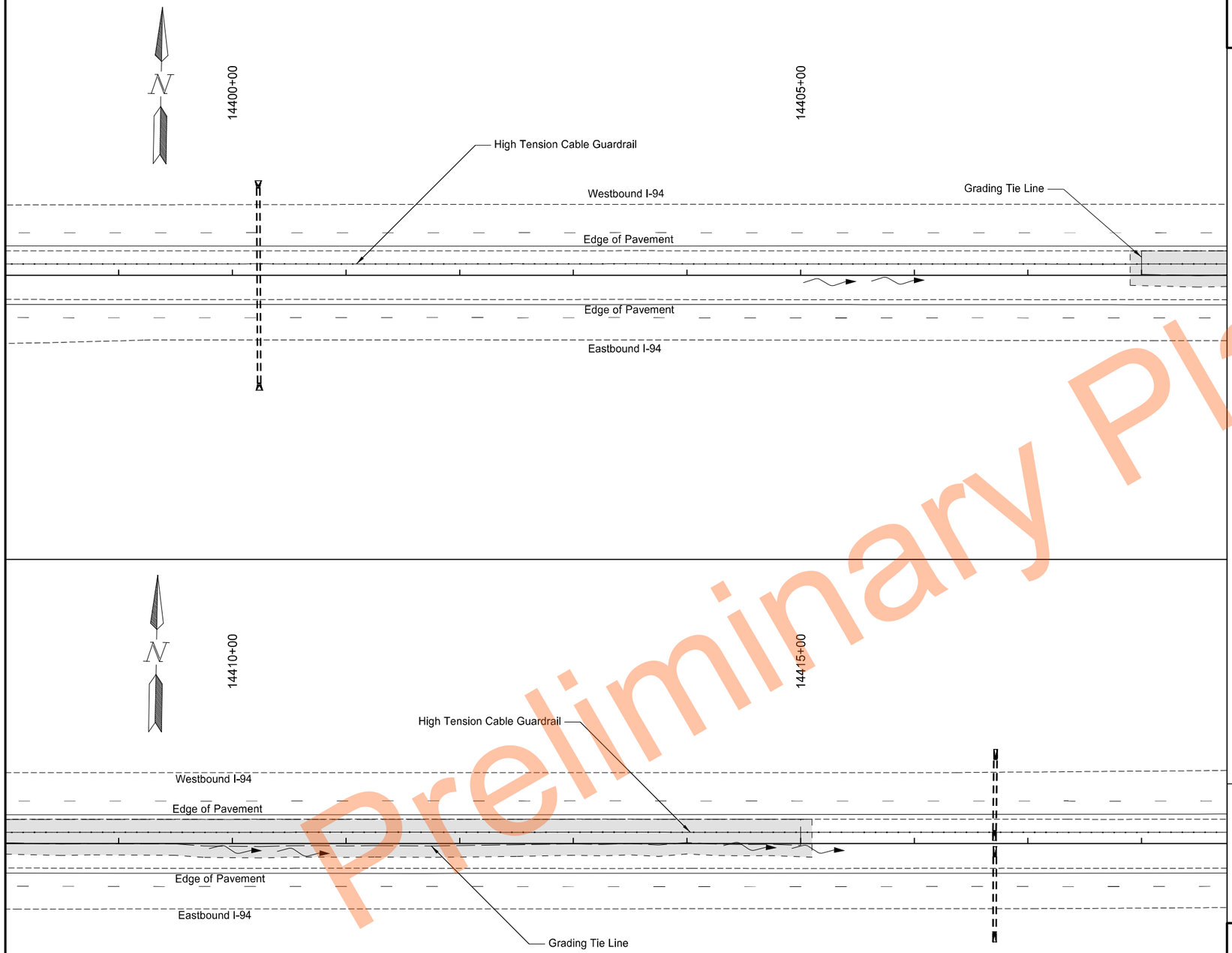
Preliminary Plans

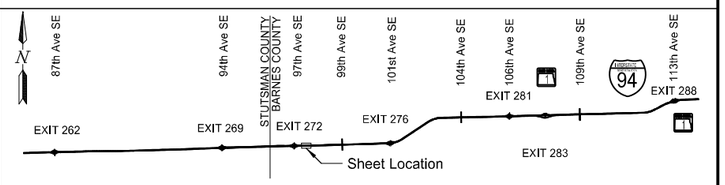


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	31

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14407+90.0 to 14415+10.0	0.54	Acre
253	0201	Hydraulic Mulch		
		14407+90.0 to 14415+10.0	0.54	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
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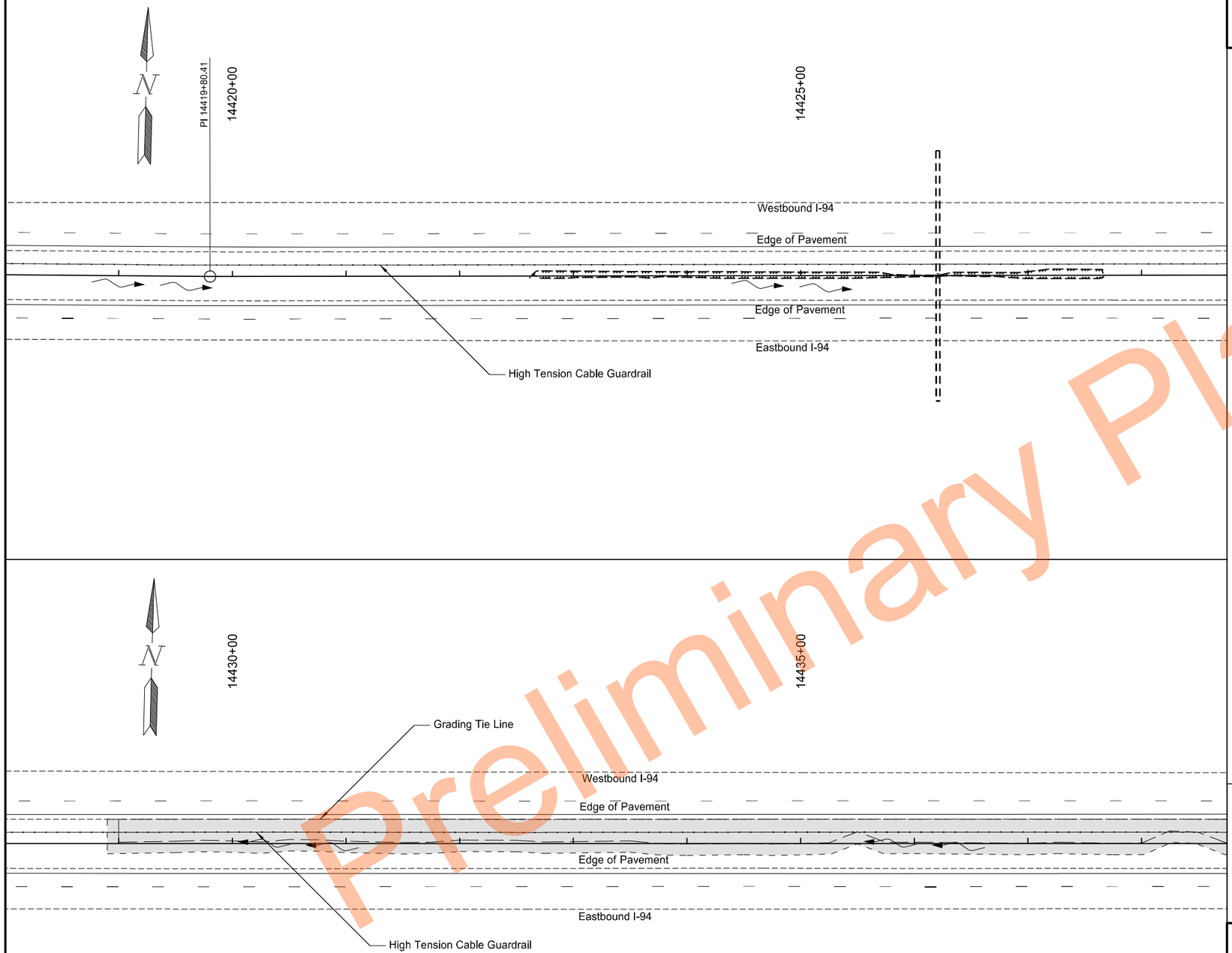


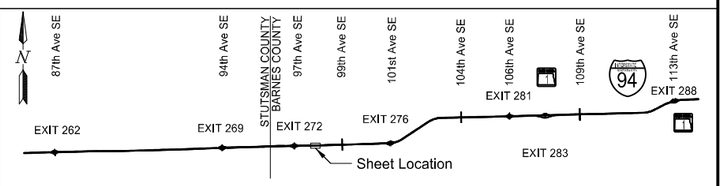
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	32

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14428+90.0 to 14438+50.0	0.65	Acre
253	0201	Hydraulic Mulch		
		14428+90.0 to 14438+50.0	0.65	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

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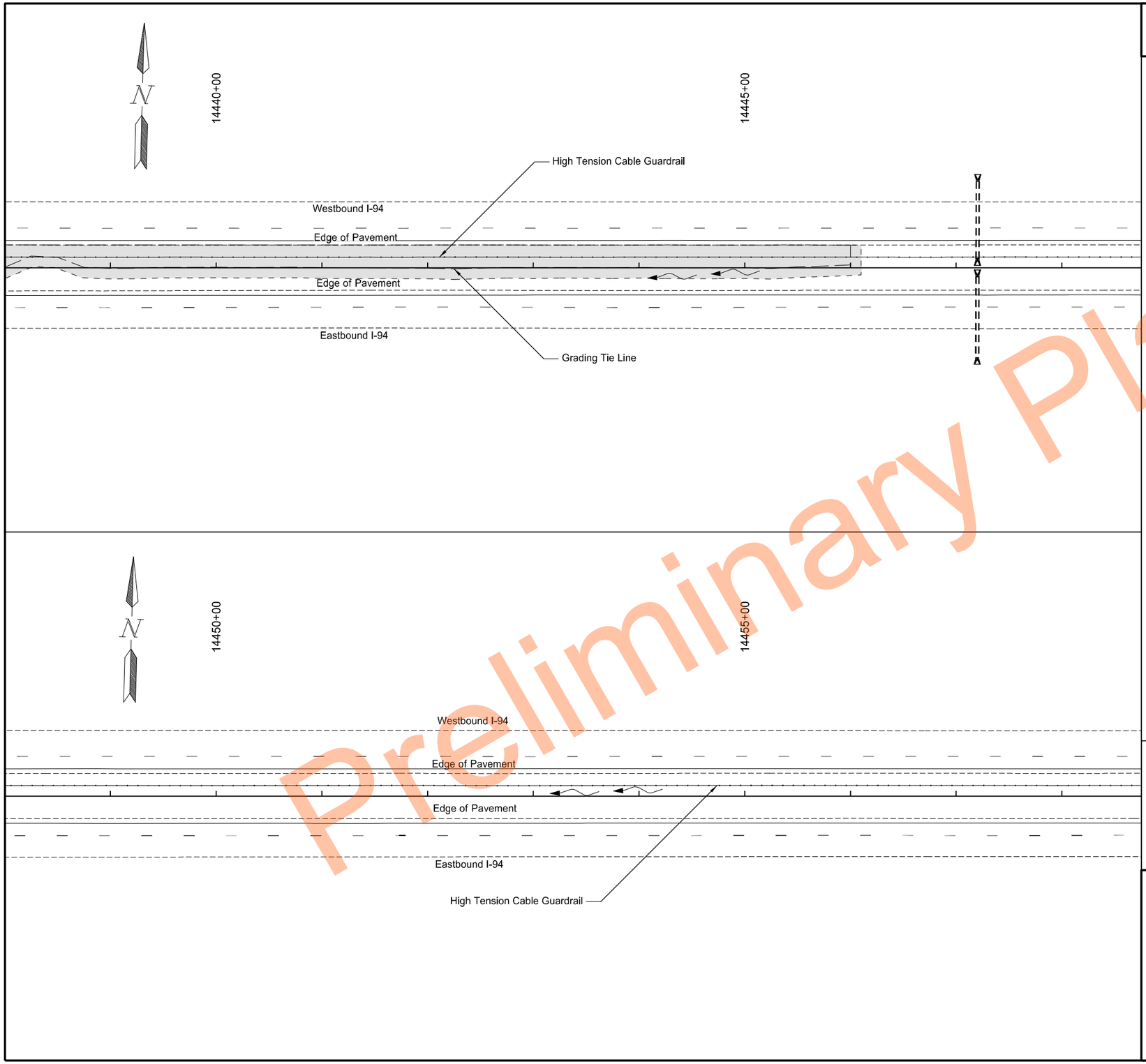


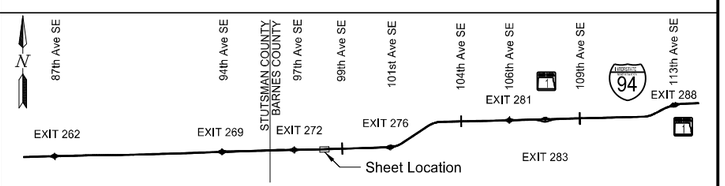
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	33

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14438+50.0 to 14446+10.0	0.55	Acre
253	0201	Hydraulic Mulch		
		14438+50.0 to 14446+10.0	0.55	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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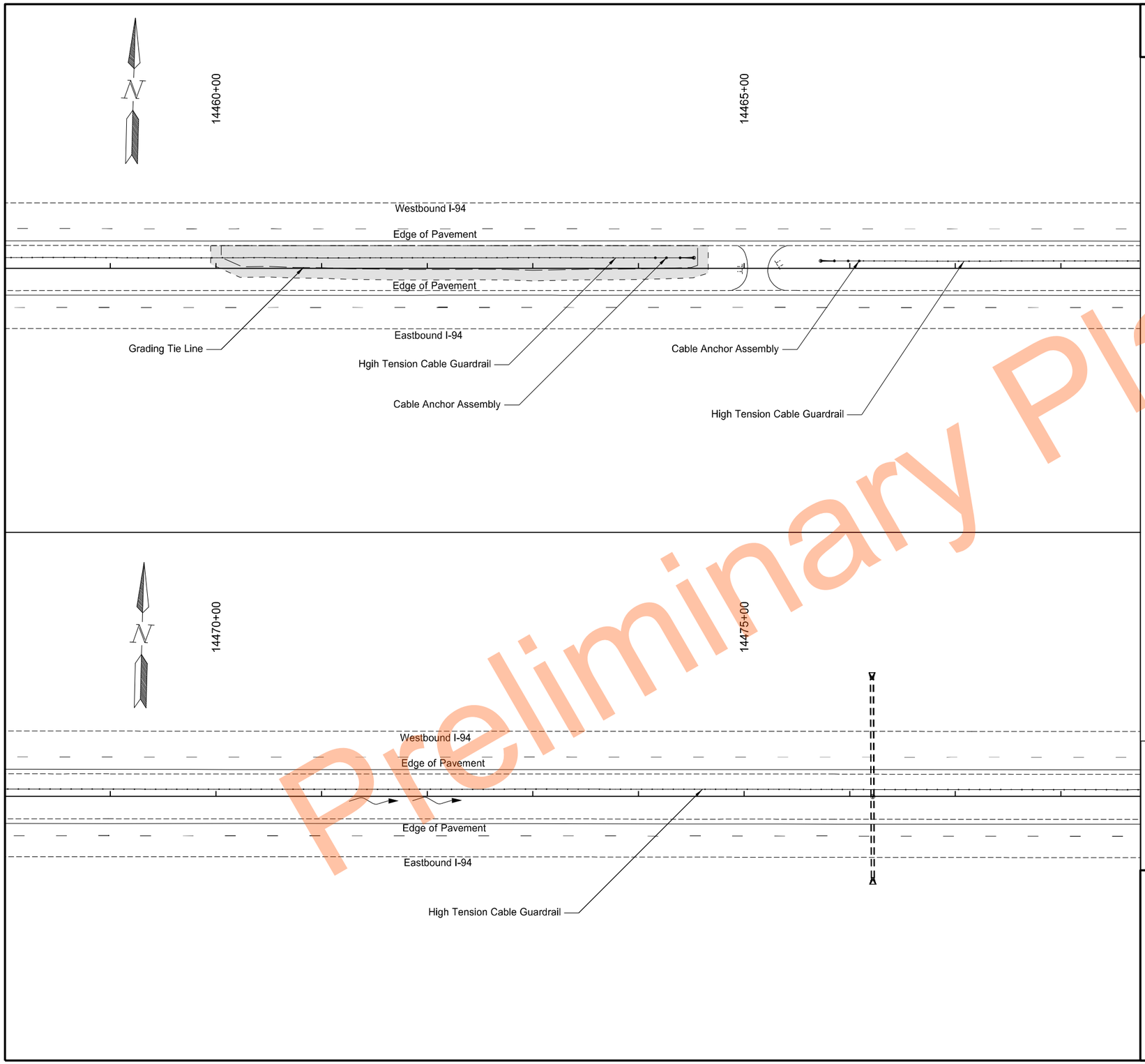


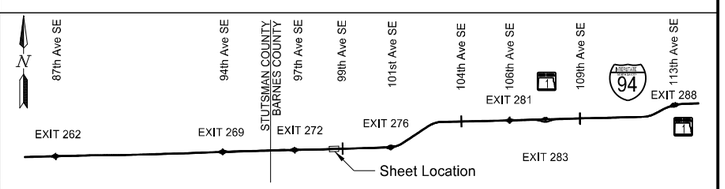
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	34

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14459+95.0 to 14464+66.0	0.34	Acre
253	0201	Hydraulic Mulch		
		14459+95.0 to 14464+66.0	0.34	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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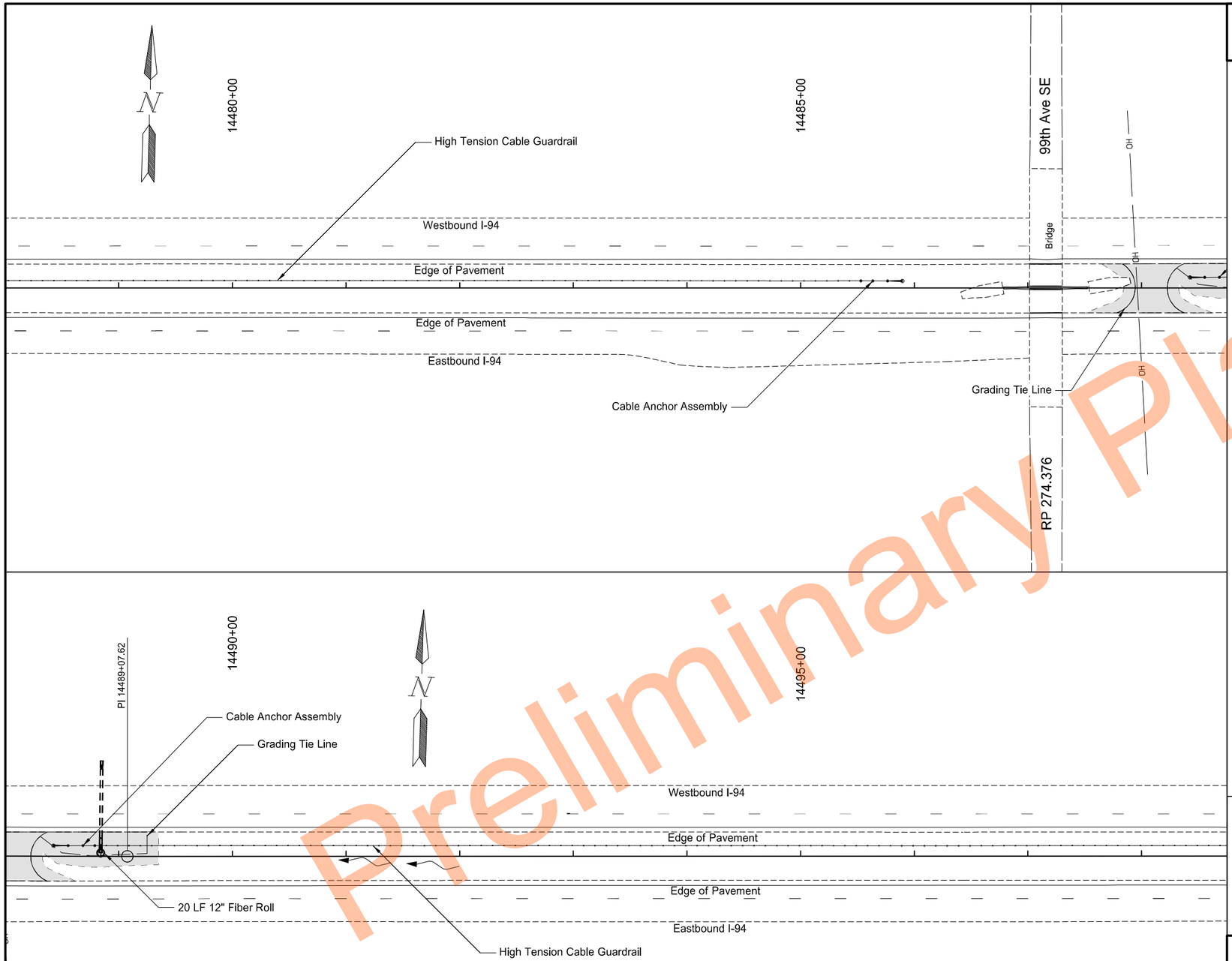


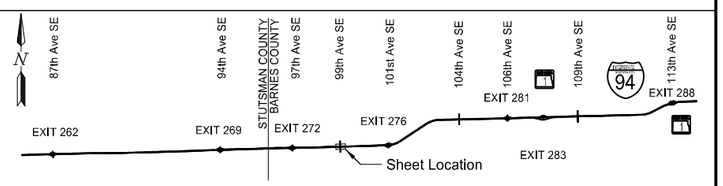
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	35

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14487+51.0 to 14489+35.0	0.13	Acre
253	0201	Hydraulic Mulch		
		14487+51.0 to 14489+35.0	0.13	Acre
261	0112	Fiber Rolls 12IN		
		14488+84.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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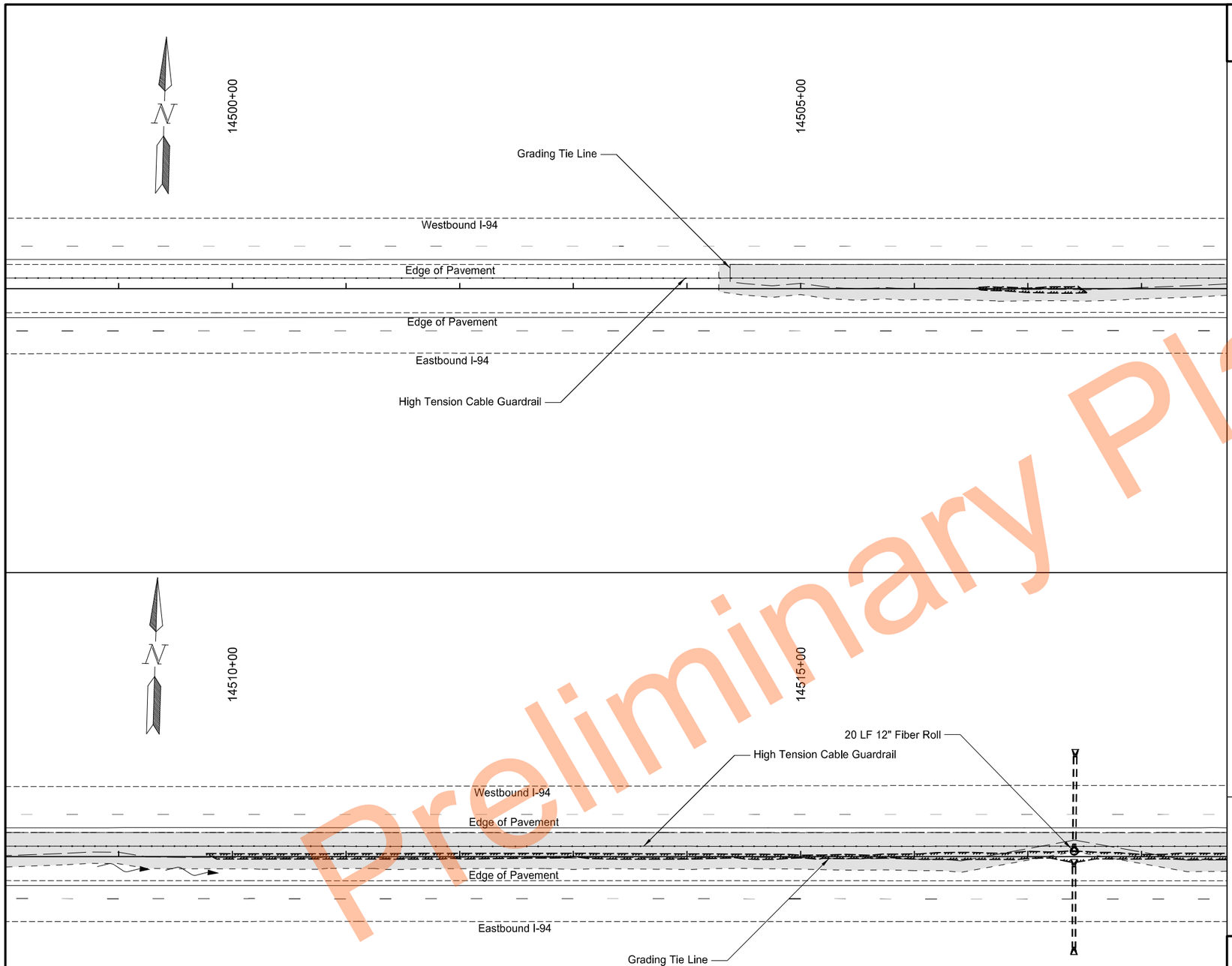
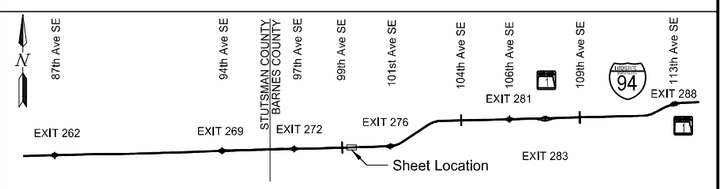


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	36

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14504+28.0 to 14518+50.0	1.00	Acre
253	0201	Hydraulic Mulch		
		14504+28.0 to 14518+50.0	1.00	Acre
261	0112	Fiber Rolls 12IN		
		14517+40.8, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

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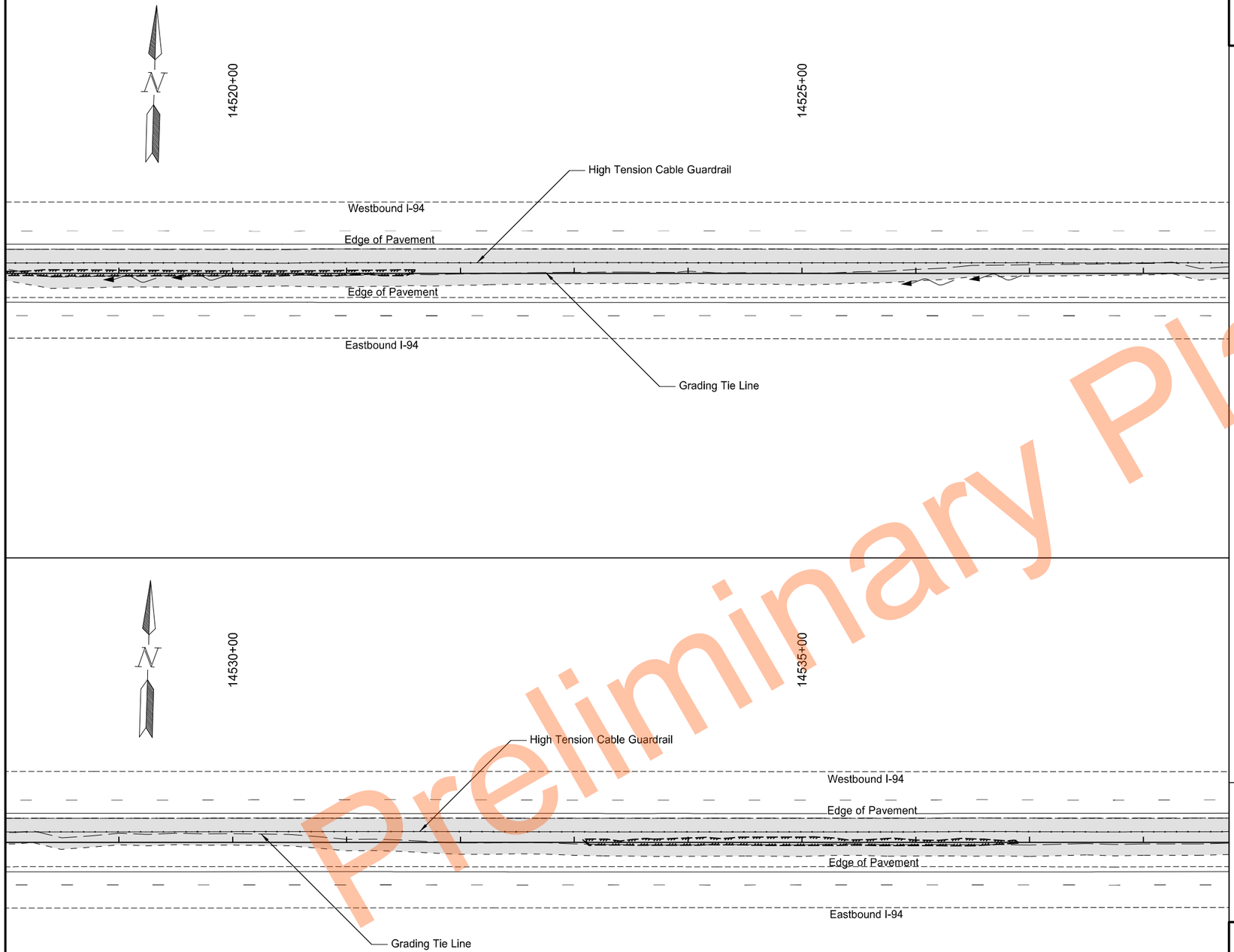
Preliminary Plans



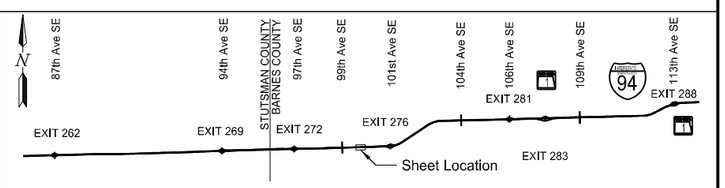
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	37

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14518+50.0 to 14538+50.0	1.38	Acre
253	0201	Hydraulic Mulch		
		14518+50.0 to 14538+50.0	1.38	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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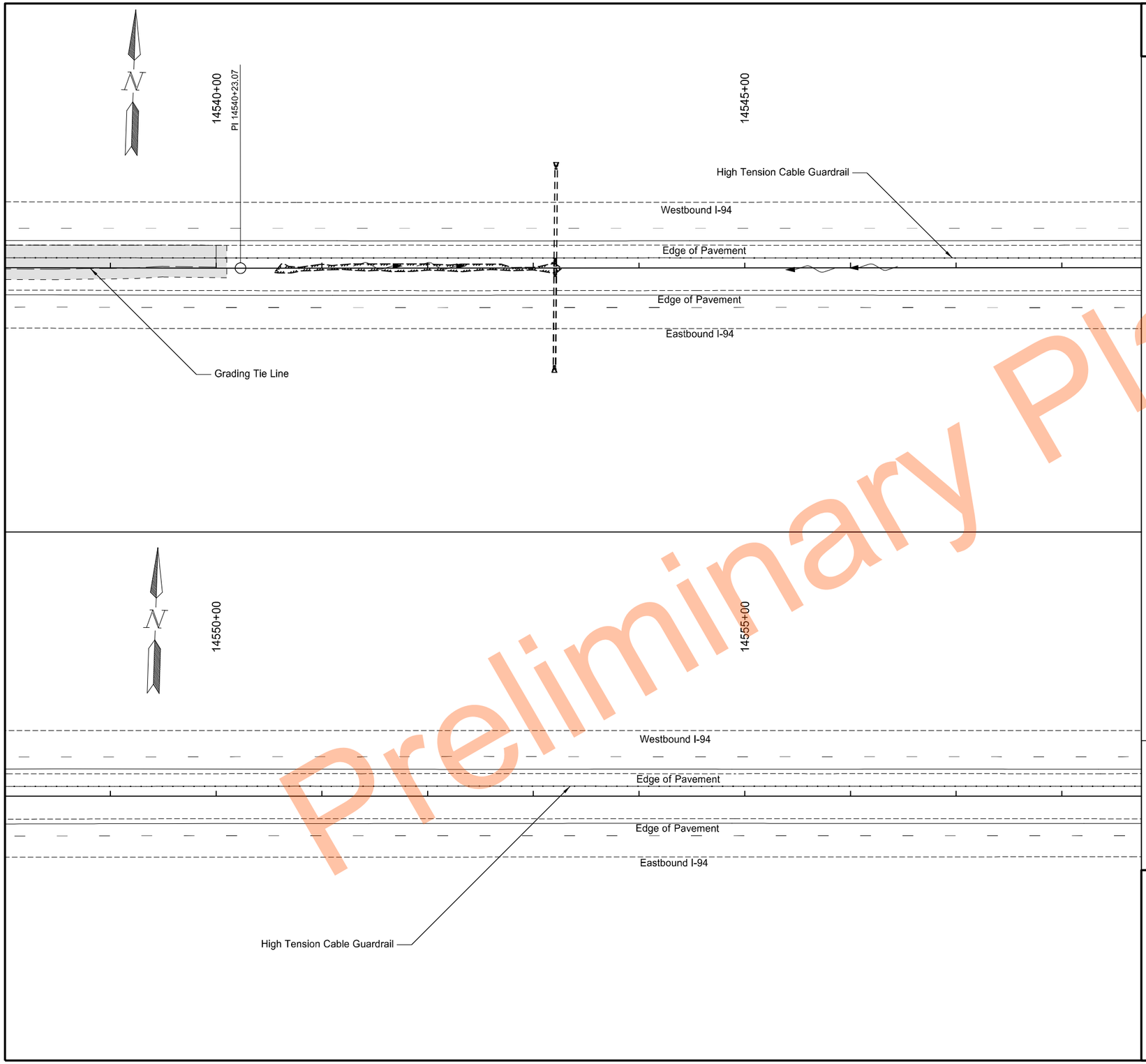


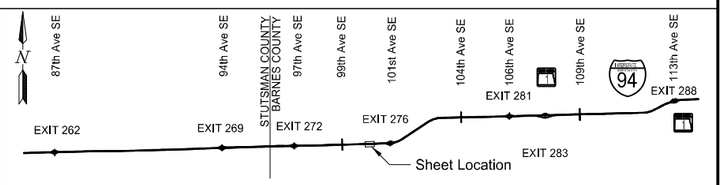
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	38

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14538+50.0 to 14540+10.0	0.11	Acre
253	0201	Hydraulic Mulch		
		14538+50.0 to 14540+10.0	0.11	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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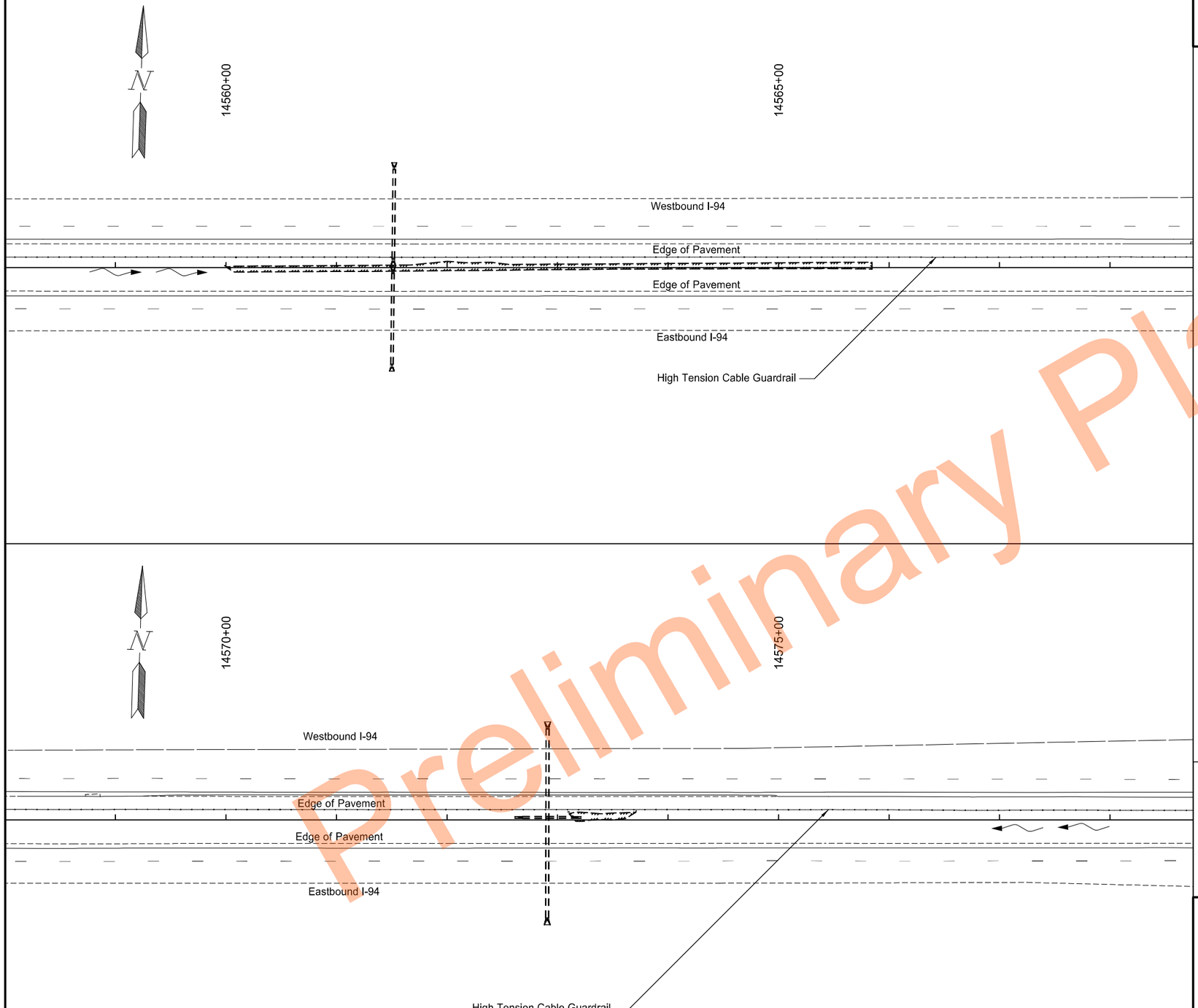
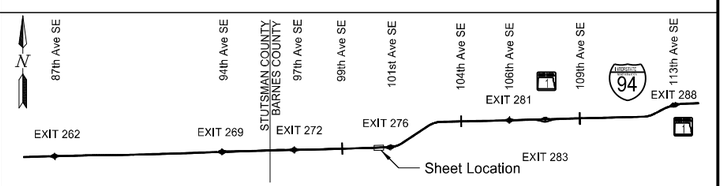
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	77	39



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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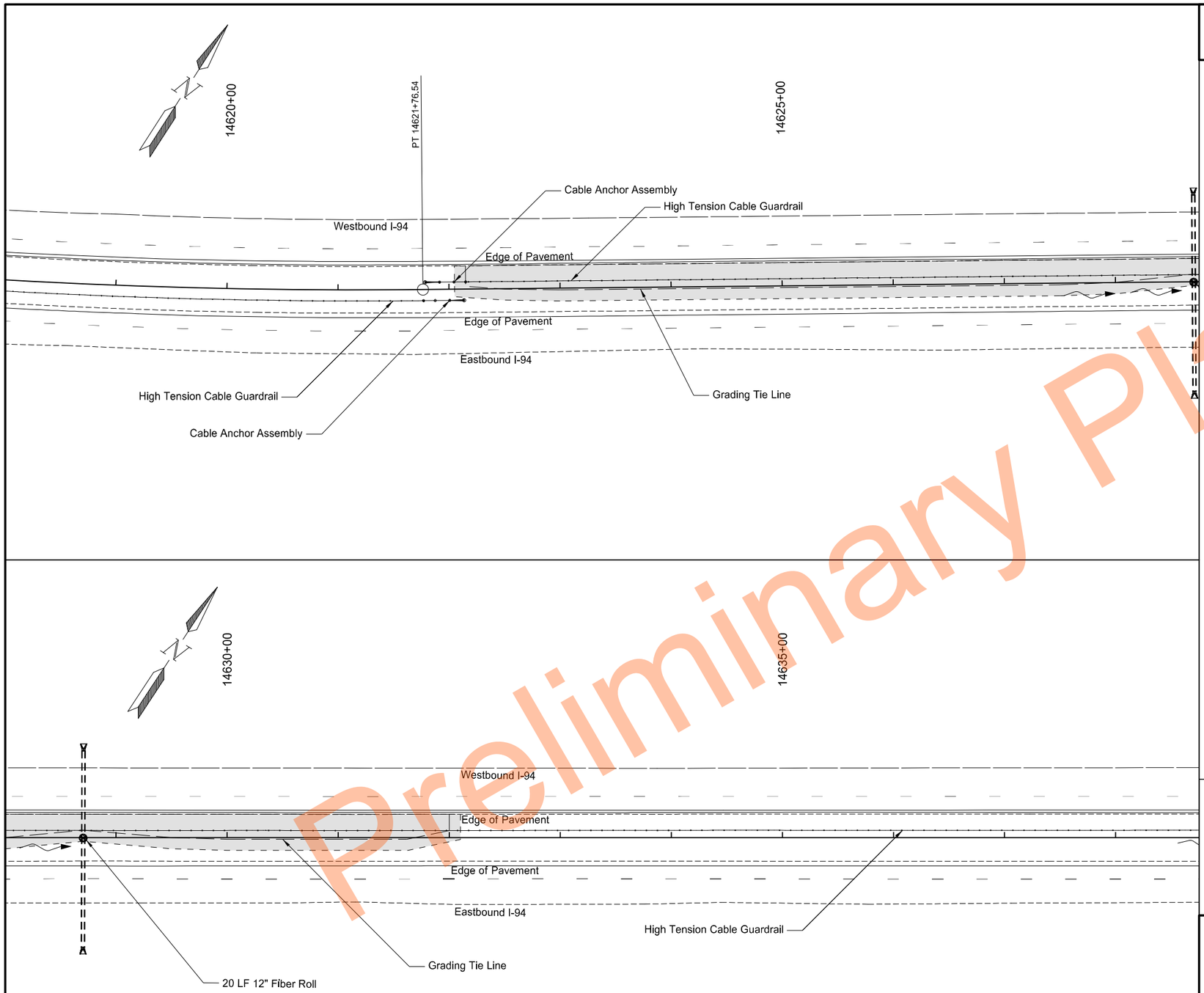
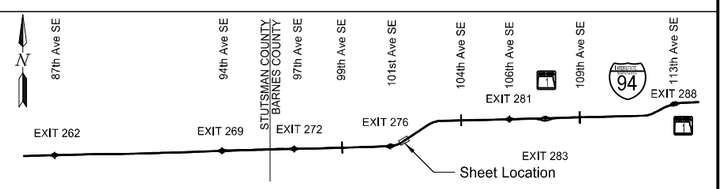


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	40

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14622+05.0 to 14632+10.0	0.72	Acre
253	0201	Hydraulic Mulch		
		14622+05.0 to 14632+10.0	0.72	Acre
261	0112	Fiber Rolls 12IN		
		14628+70.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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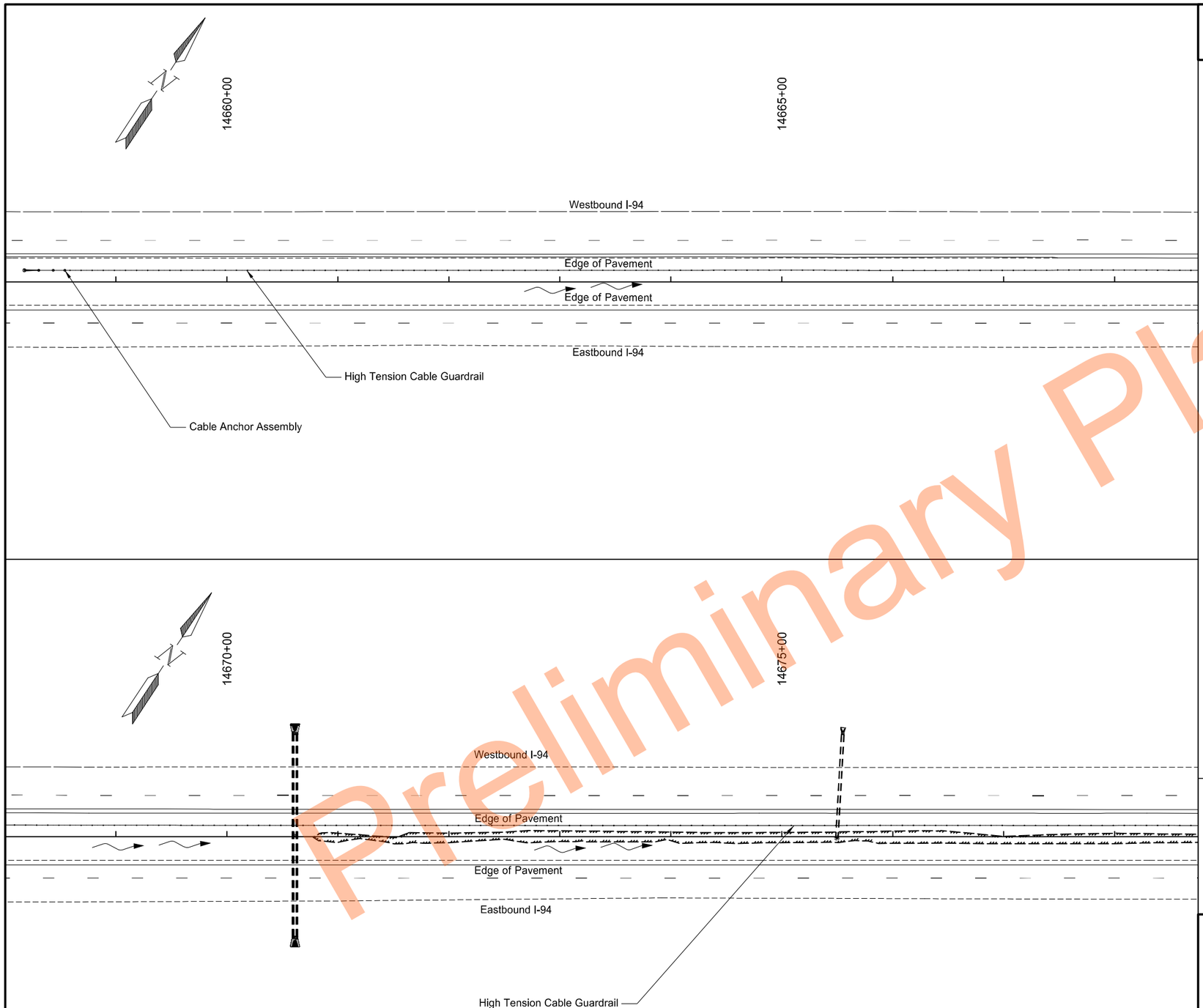
NORTH DAKOTA

Preliminary Plans

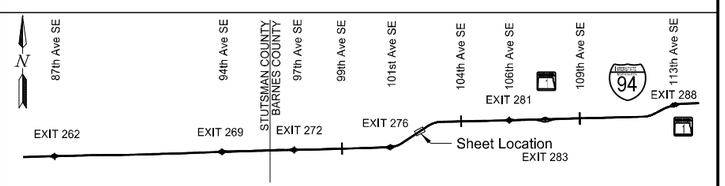
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	77	41



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

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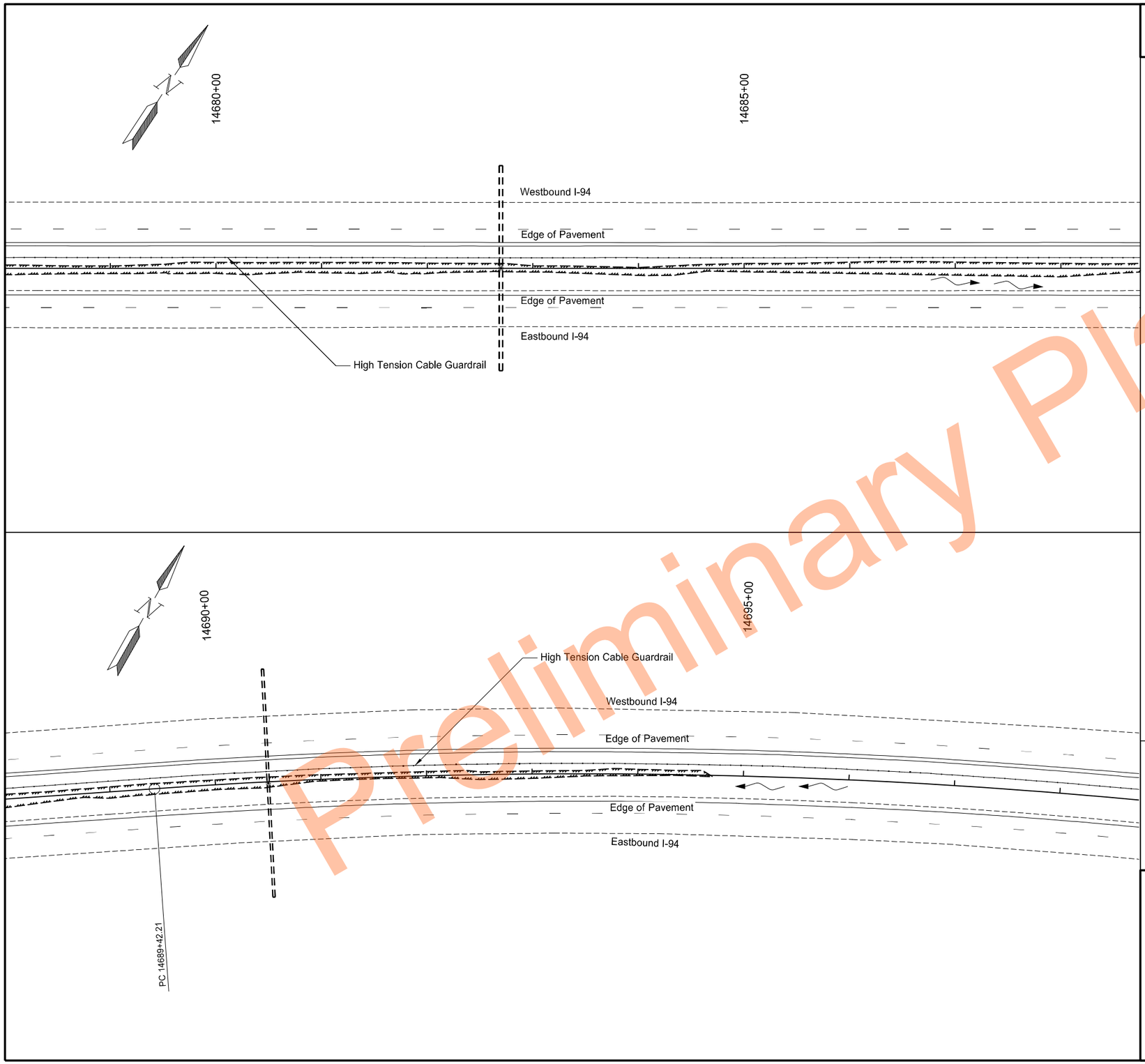
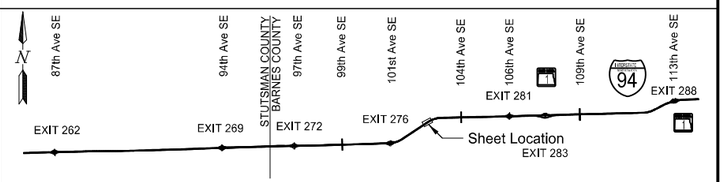
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	77	42



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



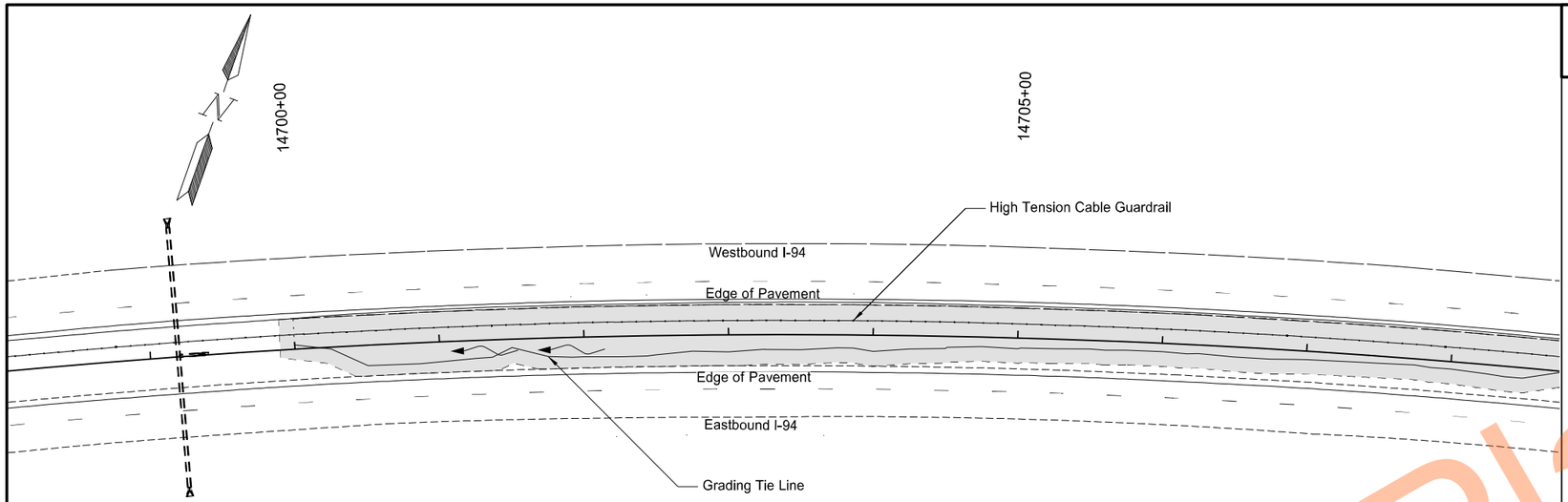
Permanent Sediment and Erosion Control

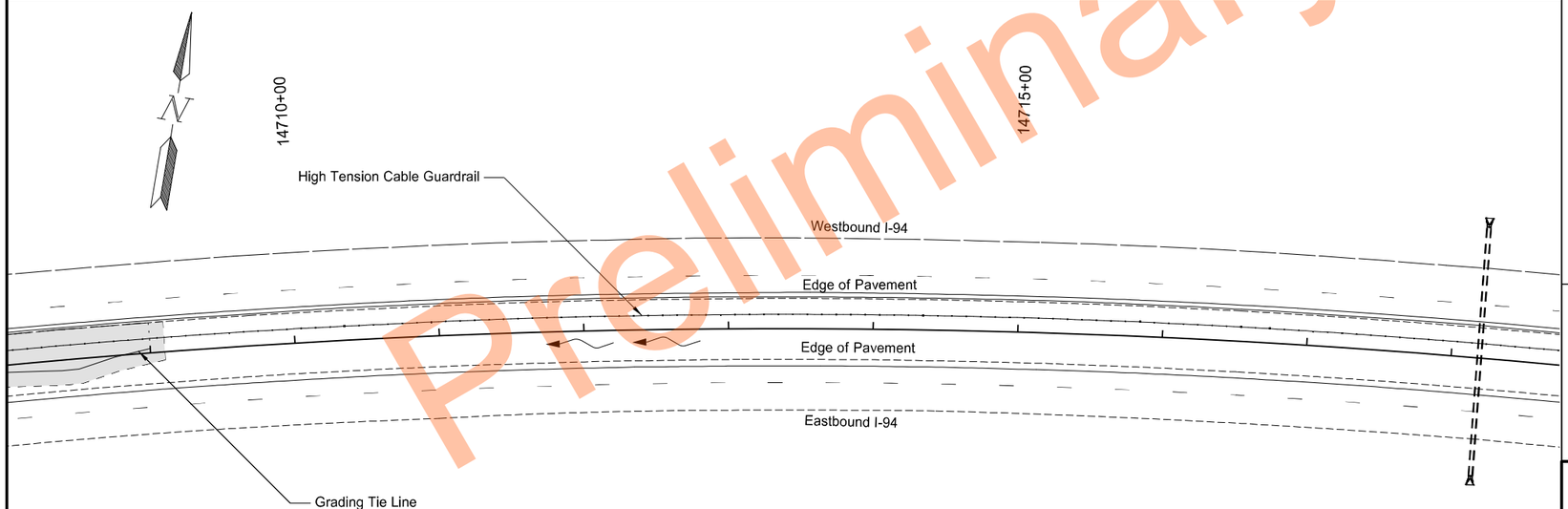
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
PE-29940
DATE 11/17/2023
NORTH DAKOTA

11/16/2023 6:36:11 PM grant.gulevich G:\2022\22.11708\2094261.191\Design\Sheets\077PE_002_B.dgn



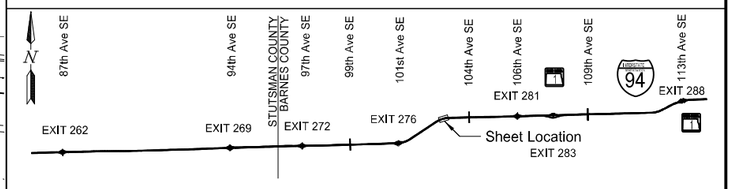


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	43

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14699+90.0 to 14709+10.0	0.81	Acre
253	0201	Hydraulic Mulch		
		14699+90.0 to 14709+10.0	0.81	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



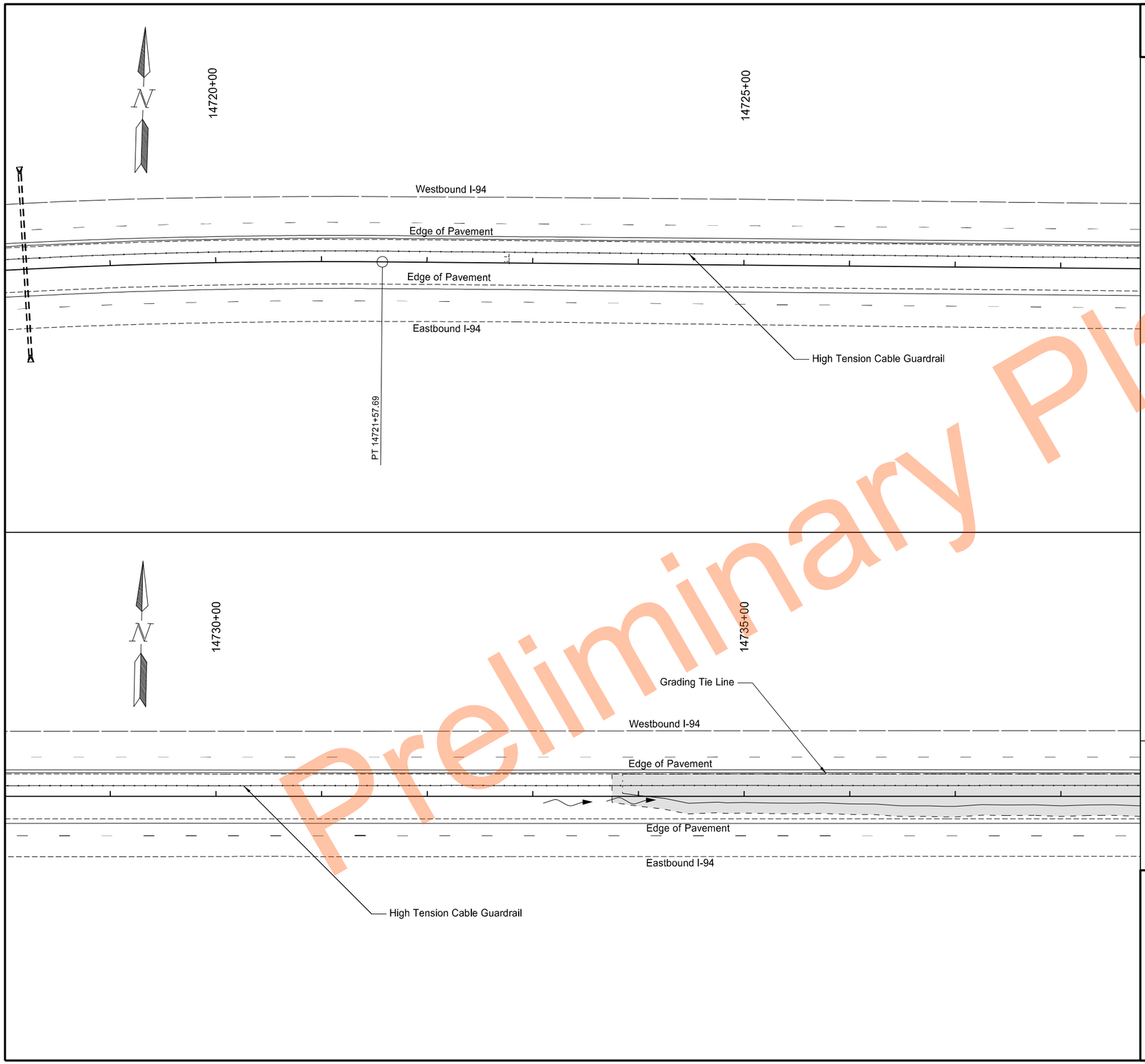
Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



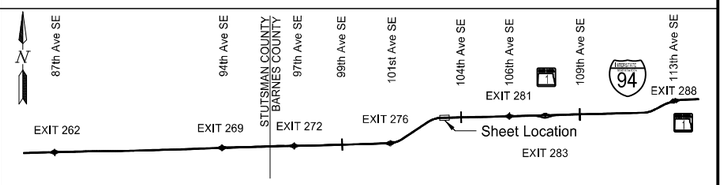
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	44

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14733+75.0 to 14738+50.0	0.41	Acre
253	0201	Hydraulic Mulch		
		14733+75.0 to 14738+50.0	0.41	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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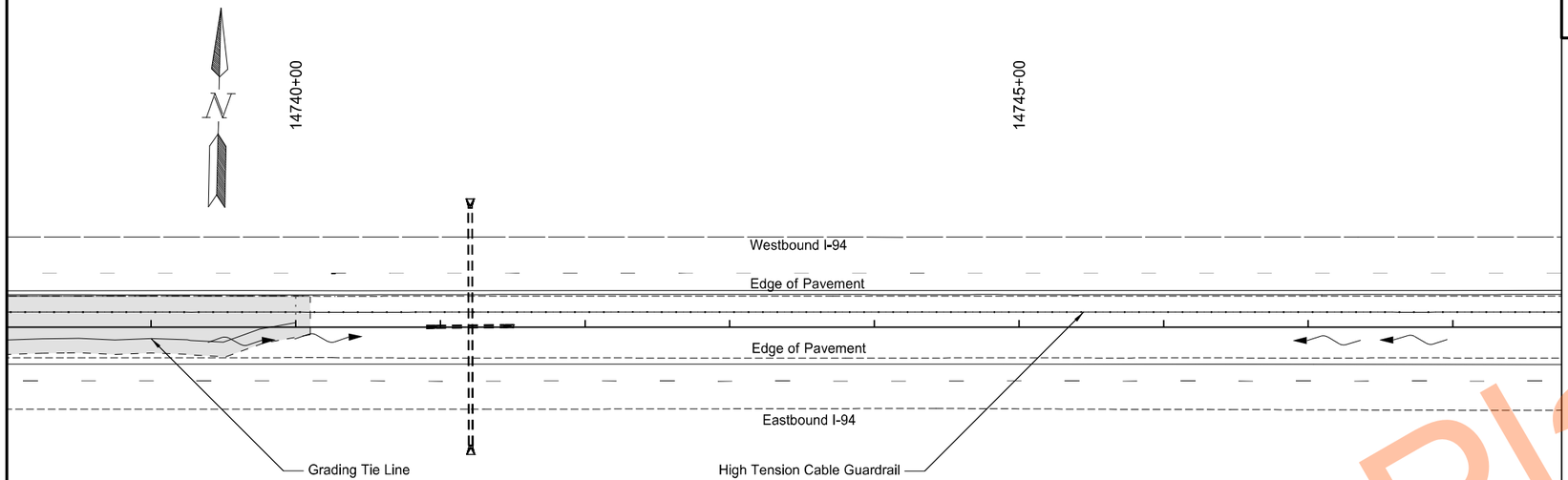
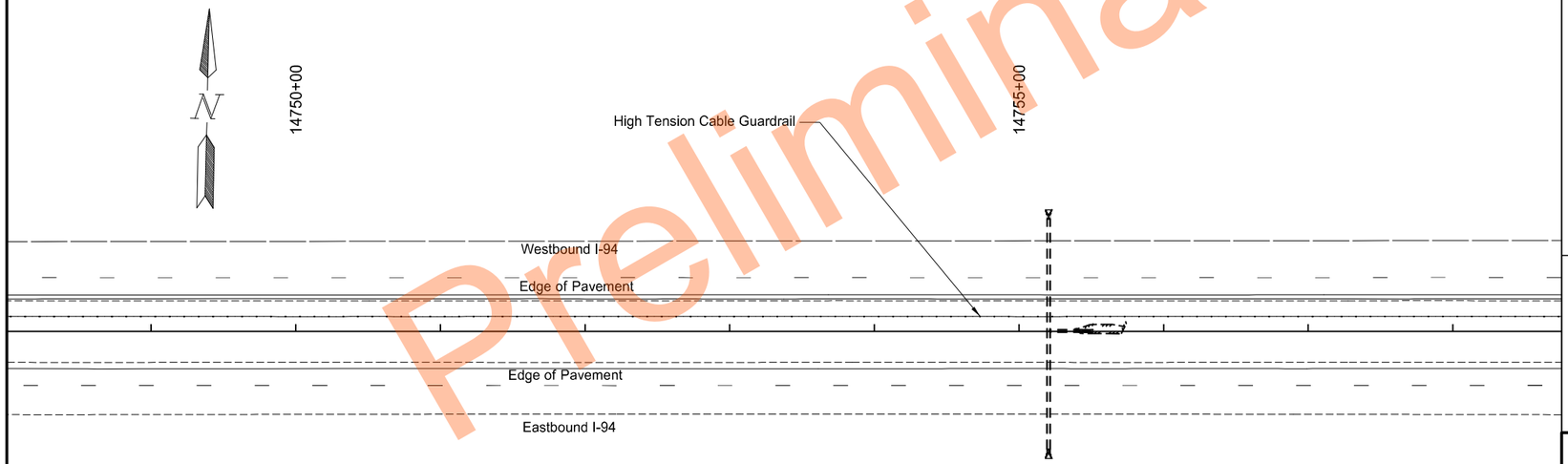




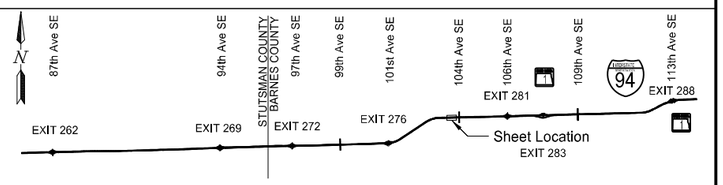
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	45

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		14738+50.0 to 14740+10.0	0.14	Acre
253	0201	Hydraulic Mulch		
		14738+50.0 to 14740+10.0	0.14	Acre

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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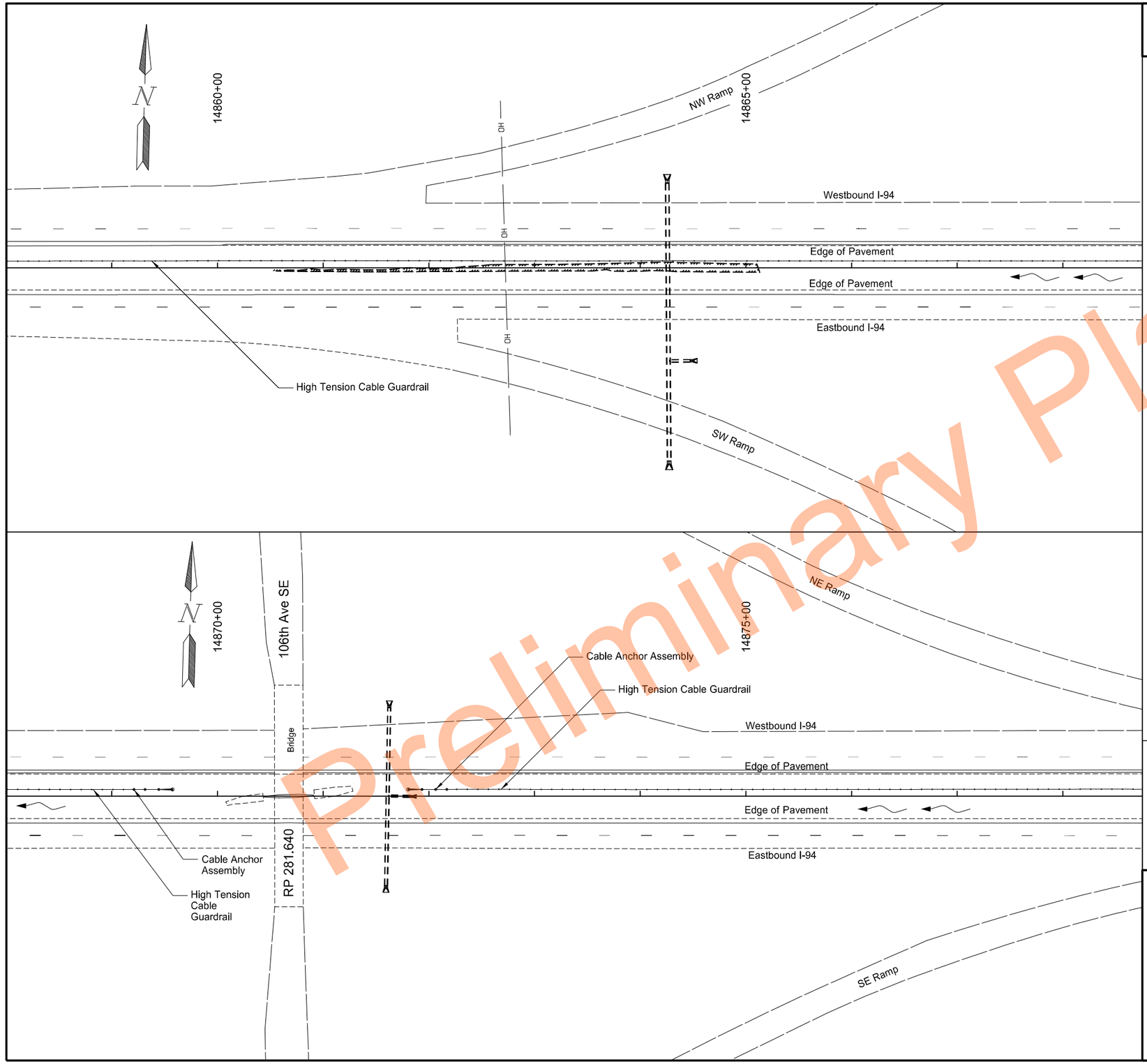
PE-29940
DATE 11/17/2023
NORTH DAKOTA

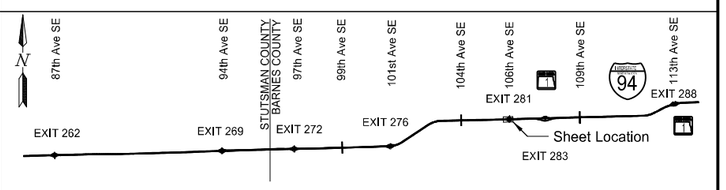
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	46



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



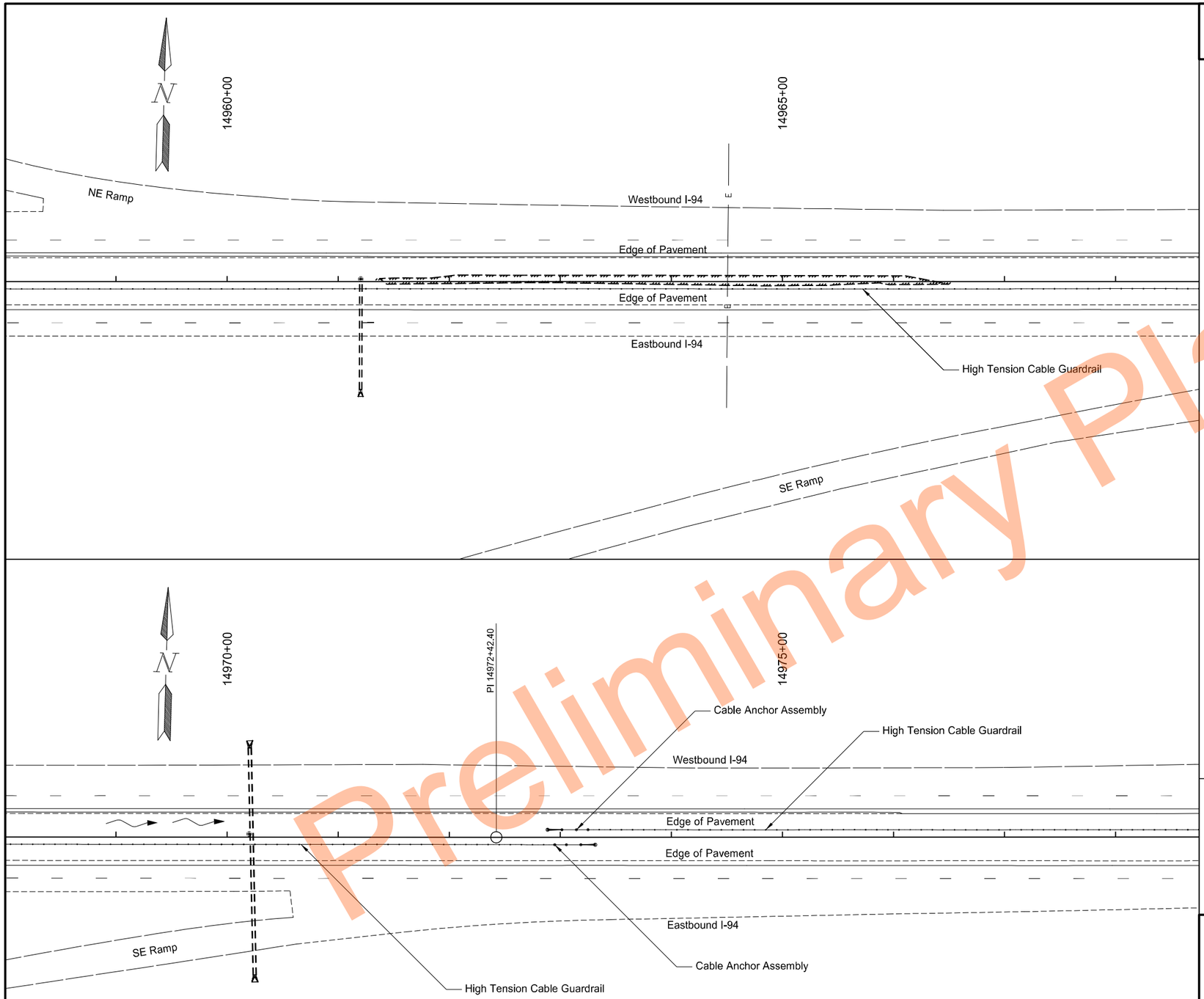
Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

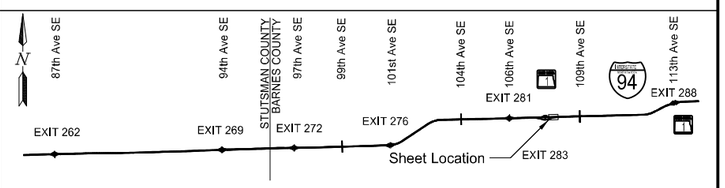
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	77	47



Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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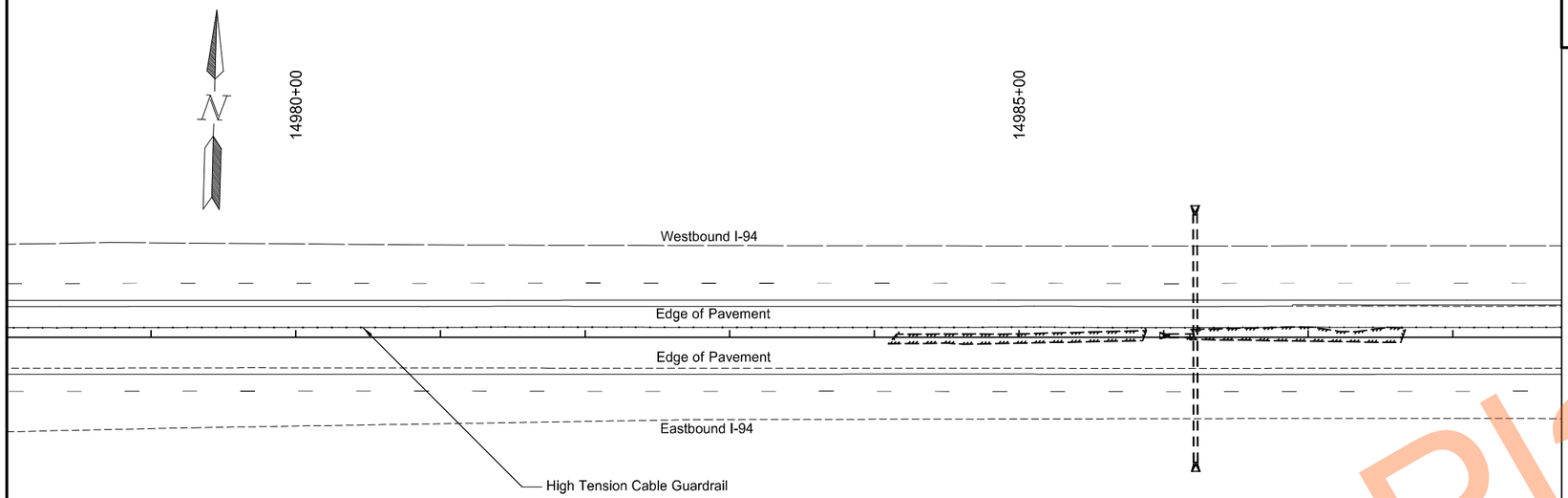
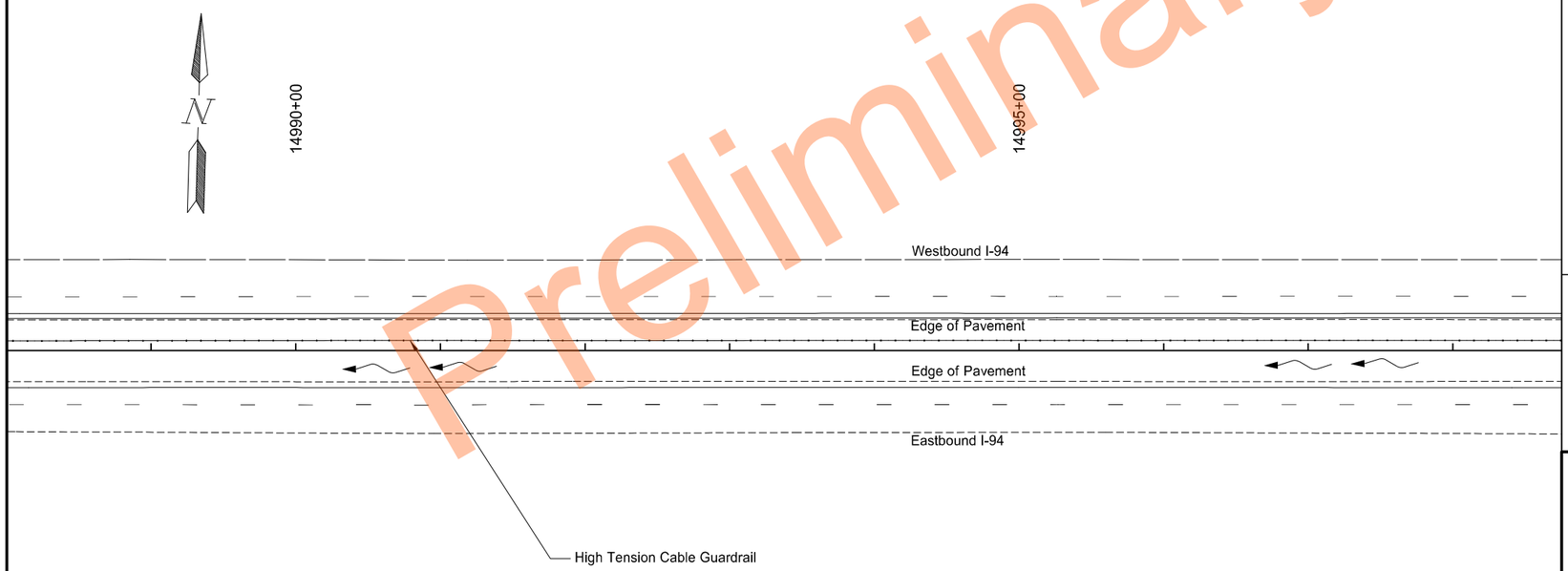
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	48

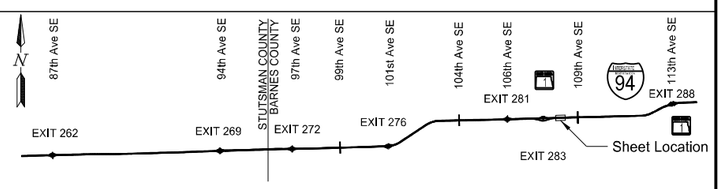




Preliminary Plans

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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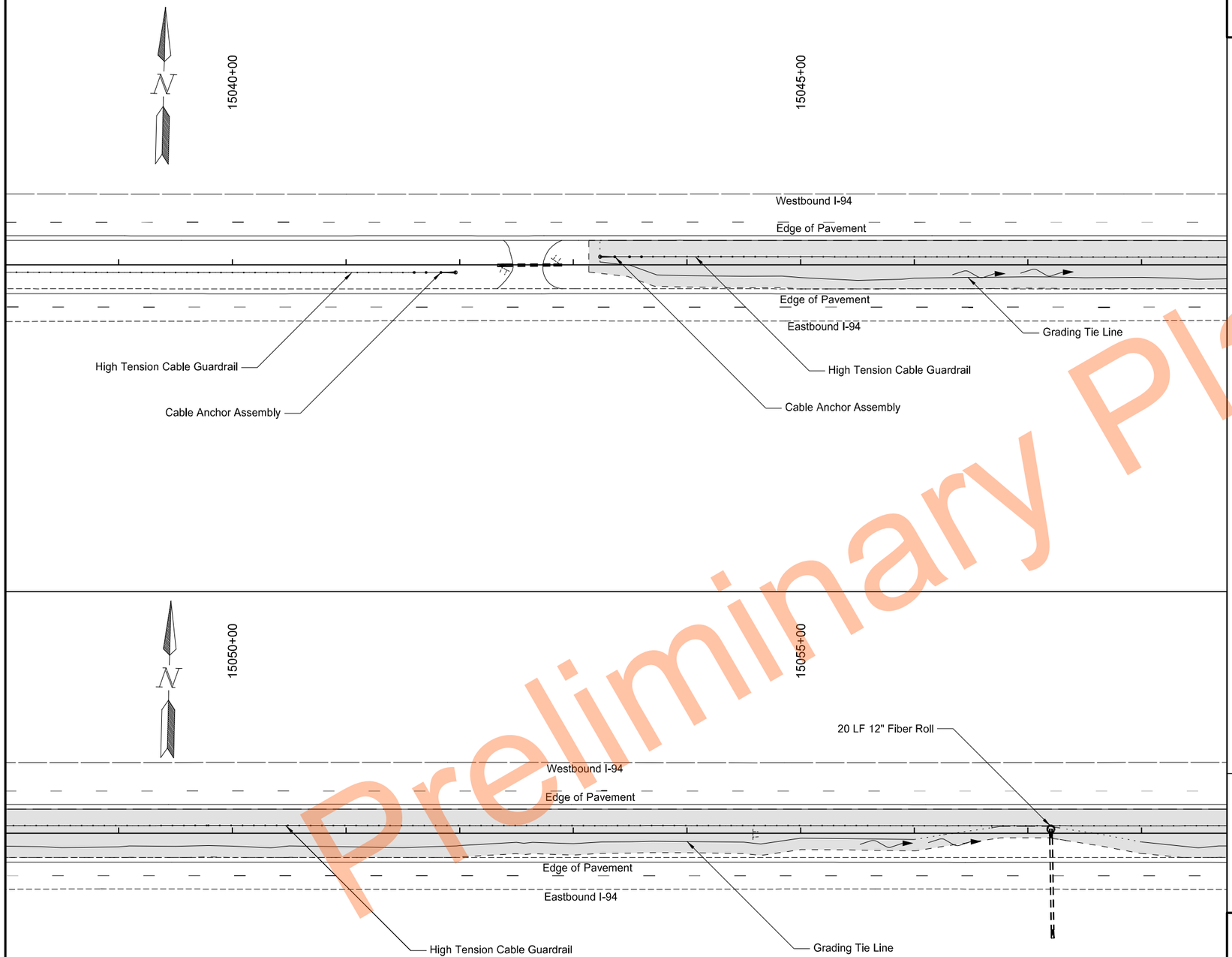
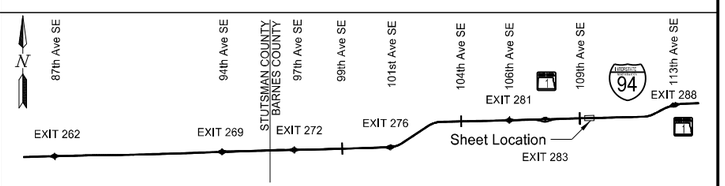


	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	49

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		15043+13.5 to 15058+50.0	1.39	Acre
253	0201	Hydraulic Mulch		
		15043+13.5 to 15058+50.0	1.39	Acre
261	0112	Fiber Rolls 12IN		
		15057+20.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

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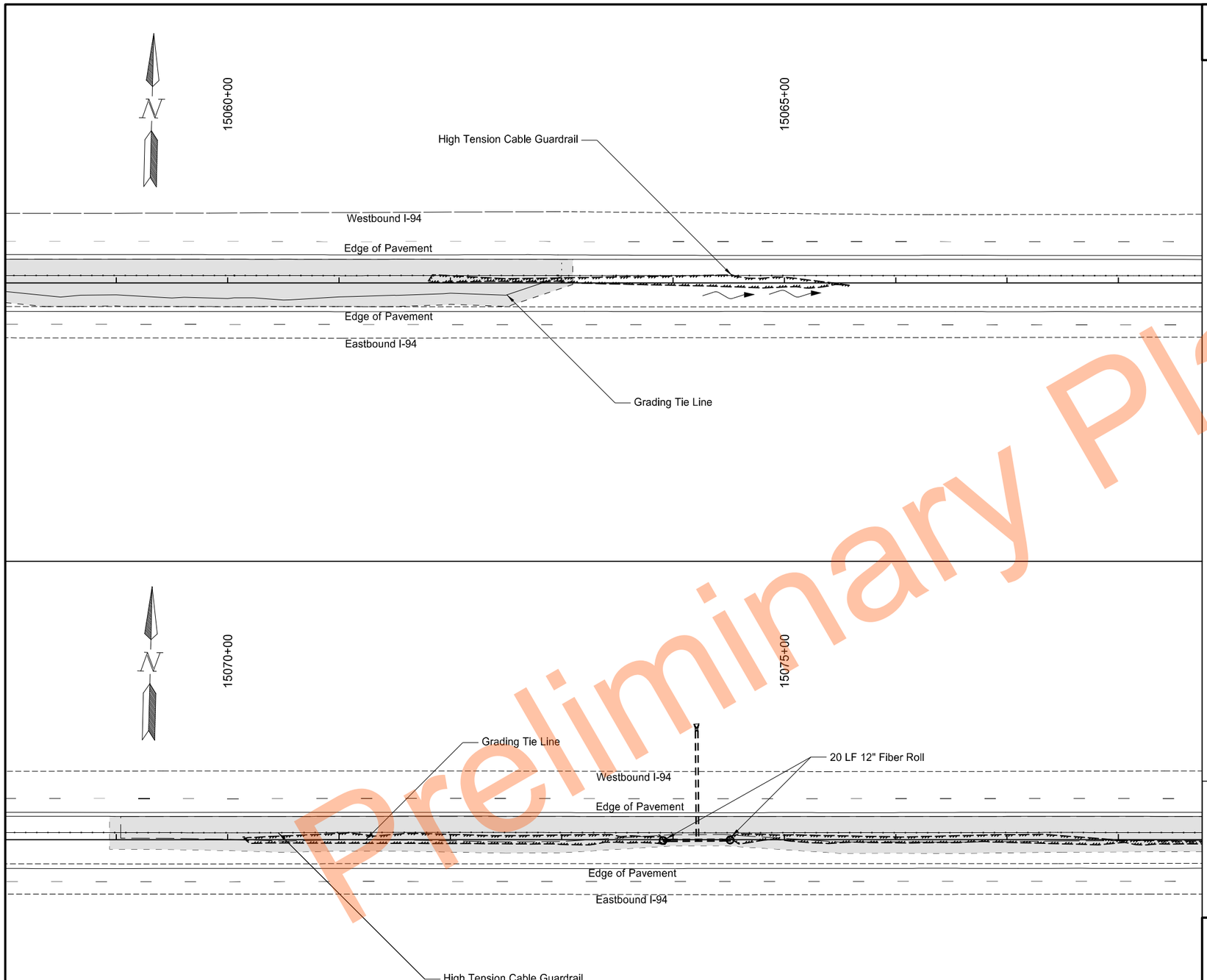
Preliminary Plans



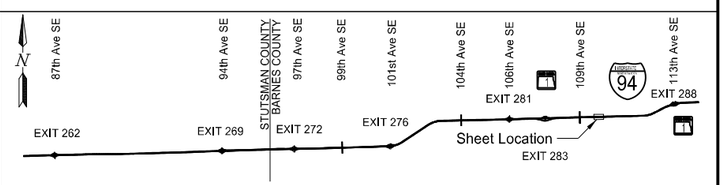
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	50

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		15058+50.0 to 15063+10.0	0.43	Acre
		15068+94.0 to 15078+50.0	0.68	Acre
253	0201	Hydraulic Mulch		
		15058+50.0 to 15063+10.0	0.43	Acre
		15068+94.0 to 15078+50.0	0.68	Acre
261	0112	Fiber Rolls 12IN		
		15073+91.0, Protect Inlet	20	LF
		15074+52.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
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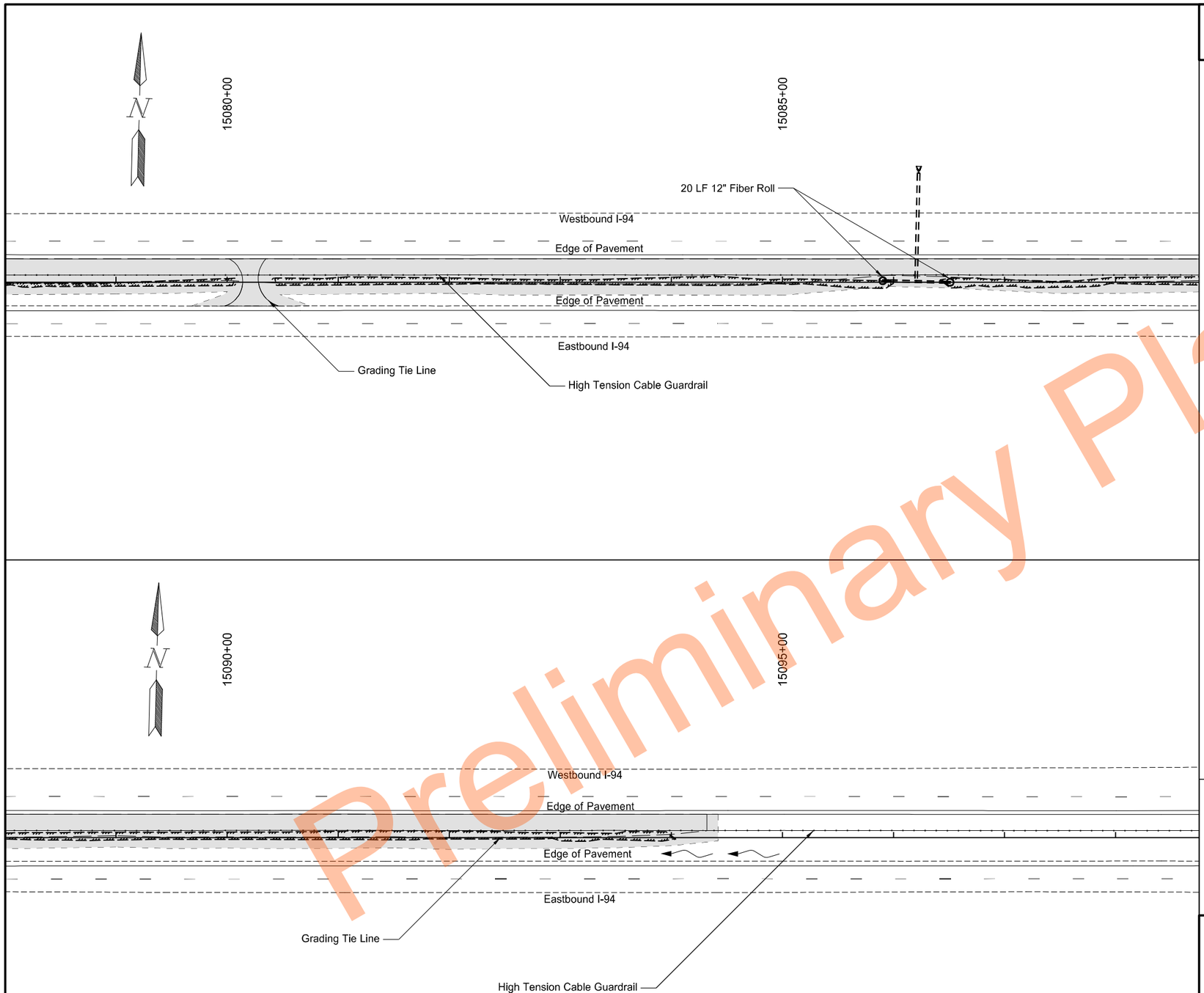
PE-29940
DATE 11/17/2023
NORTH DAKOTA



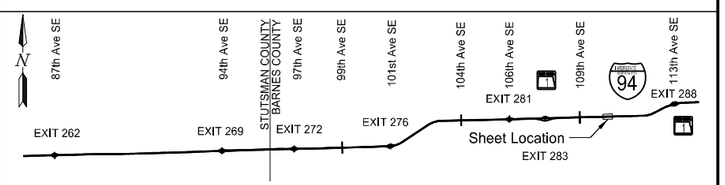
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	51

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		15078+50.0 to 15094+42.0	1.13	Acre
253	0201	Hydraulic Mulch		
		15078+50.0 to 15094+42.0	1.13	Acre
261	0112	Fiber Rolls 12IN		
		15085+90.0, Protect Inlet	20	LF
		15086+51.0, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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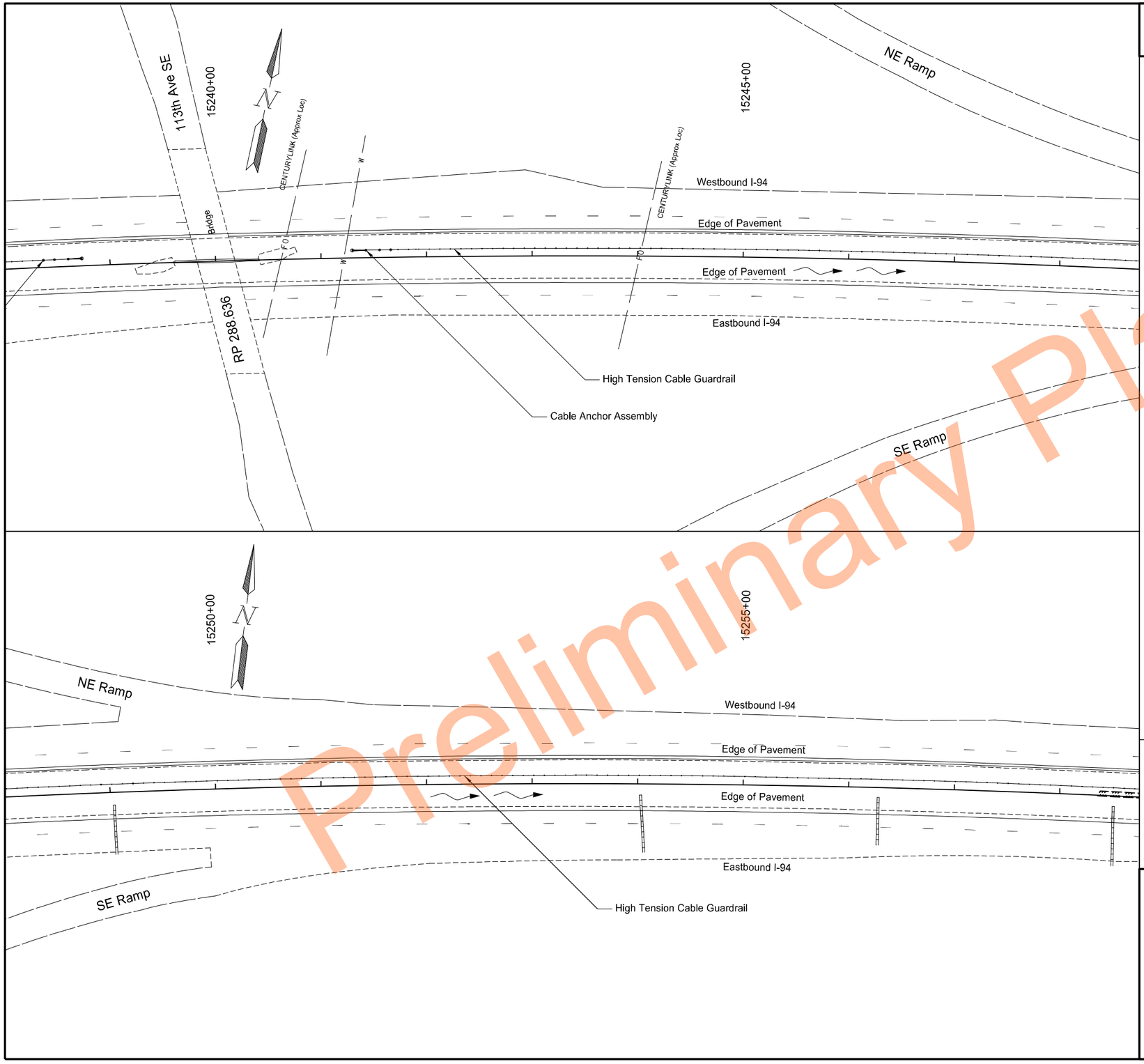
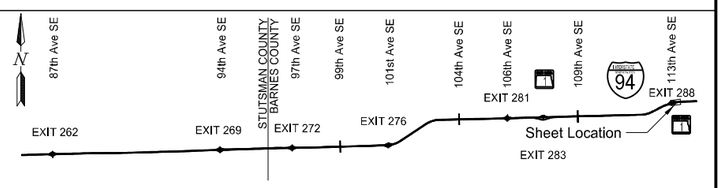
NORTH DAKOTA

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	52



Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



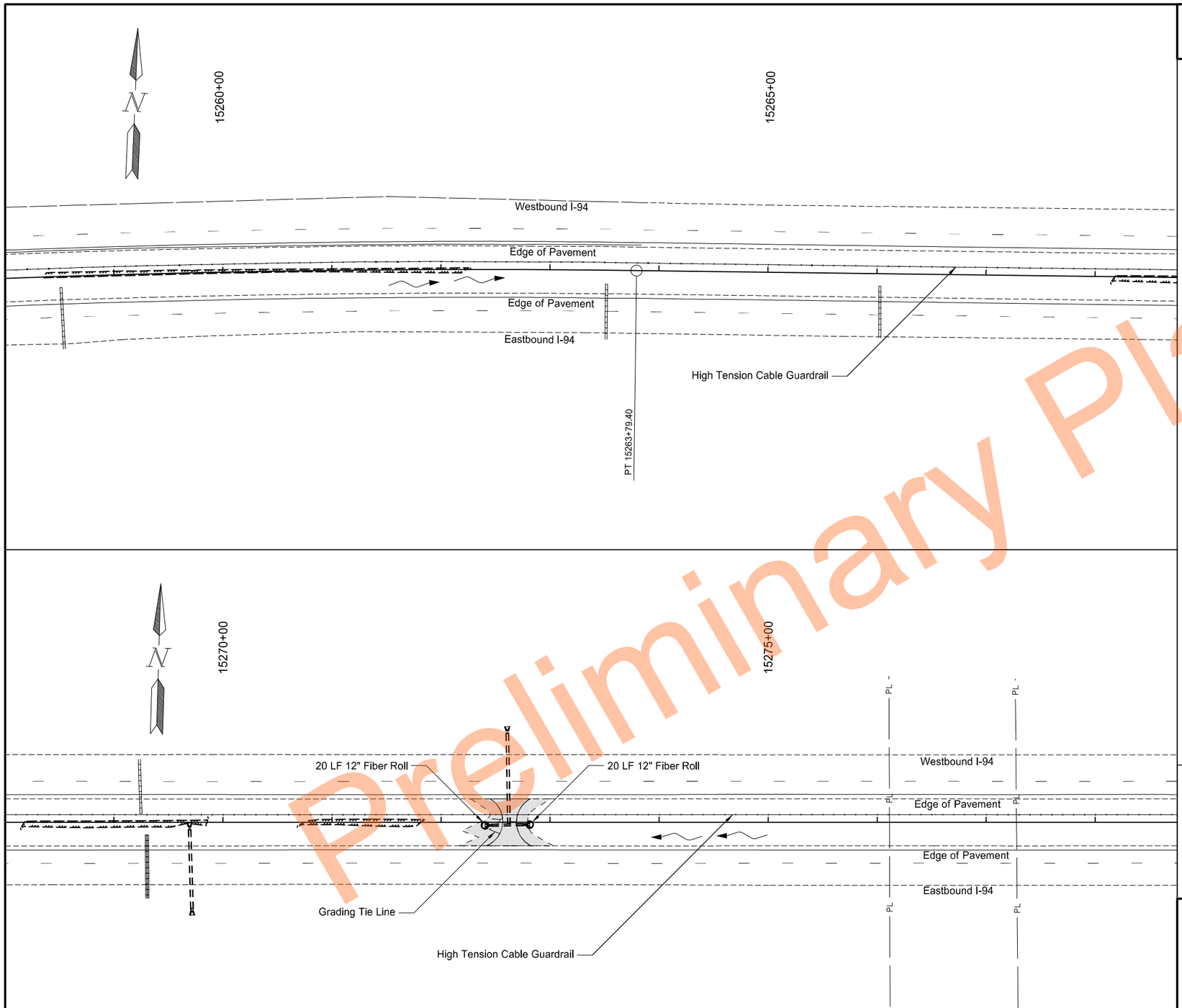
Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans



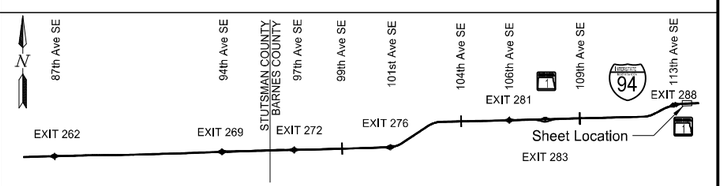
Preliminary

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	77	53

SPEC	CODE	BID ITEM	QTY	UNIT
251	0200	Seeding Class II		
		15272+16.9 to 15273+03.0	0.06	Acre
253	0201	Hydraulic Mulch		
		15272+16.9 to 15273+03.0	0.06	Acre
261	0112	Fiber Rolls 12IN		
		15272+40.2, Protect Inlet	20	LF
		15272+81.5, Protect Inlet	20	LF

Legend

- Seeding Class II/Hydraulic Mulch
- Fiber Rolls
- Existing Wetland Boundary
- Existing Flow Line



Permanent Sediment and Erosion Control

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
NIKKI J OLSON
Nikki J Olson
PE-29940
DATE 11/17/2023
NORTH DAKOTA

PRELIMINARY SURVEY COORDINATE AND CURVE DATA - EAST OF EXIT 260 TO W OF OAKES

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	81	1

HORIZONTAL ALIGNMENT

PNT	STATION	NORTHING	EASTING

CURVE DATA

ARC DEFINITION

US PUBLIC LAND SURVEY DATA

CORNER	IRN	NORTHING	EASTING

REFERENCE MARKERS

R Mkr #	Northing	Easting	Station	Offset	Alignment
260	451156.92	2424181.86	Outside Alignment		
261	452356.25	2429334.81	Outside Alignment		
261	452493.06	2429332.97	Outside Alignment		
262	452487.22	2434609.32	13834+05	70' Rt	OCL94MEDCL_S
262	452625.49	2434613.06	13834+13	68' Lt	OCL94MEDCL_S
263	452627.84	2439847.46	13886+45	68' Rt	OCL94MEDCL_S
263	452763.06	2439847.10	13886+49	67' Lt	OCL94MEDCL_S
264	452892.08	2445132.40	13939+34	69' Lt	OCL94MEDCL_S
264	452755.49	2445133.68	13939+35	68' Rt	OCL94MEDCL_S
265	452772.00	2450416.51	13992+16	68' Rt	OCL94MEDCL_S
265	452908.11	2450412.96	13992+16	69' Lt	OCL94MEDCL_S
266	453053.87	2455690.99	14044+96	70' Lt	OCL94MEDCL_S
266	452917.15	2455696.78	14044+98	67' Rt	OCL94MEDCL_S
267	453197.26	2460968.49	14097+76	69' Lt	OCL94MEDCL_S
267	453060.93	2460972.76	14097+76	68' Rt	OCL94MEDCL_S
268	453370.46	2466252.00	14150+63	68' Lt	OCL94MEDCL_S
268	453235.84	2466259.20	14150+65	66' Rt	OCL94MEDCL_S
269	453560.03	2471529.16	14203+43	68' Lt	OCL94MEDCL_S
269	453424.92	2471537.57	14203+47	67' Rt	OCL94MEDCL_S
270	453730.83	2476802.93	14256+20	68' Lt	OCL94MEDCL_S
270	453597.84	2476807.66	14256+20	65' Rt	OCL94MEDCL_S
271	453759.83	2482088.33	14309+03	65' Rt	OCL94MEDCL_S
271	453892.80	2482085.75	14309+05	68' Lt	OCL94MEDCL_S

SURVEY CONTROL POINTS

PNT	NORTHING	EASTING	ELEV	STATION	OFFSET
MONUMENT DESCRIPTION					
GPS 94-1	451131.21	2424253.83	1409.20	Outside Alignment	
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					
GPS 94-2	452655.12	2450400.11	1463.26	13991+97	184' Rt
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					
GPS 94-3	454025.81	2484198.33	1463.59	14330+20	136' Lt
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					

AERIAL PANELS

HV #	Northing	Easting	Elev	Station	Offset
HV-400	451180.53	2424208.74	1413.55	Outside Alignment	
HV-401	452403.63	2427939.81	1454.17	Outside Alignment	
HV-402	452487.78	2433990.26	1483.07	13827+87	53' Rt
HV-403	452729.46	2439141.64	1494.76	13879+43	53' Lt
HV-404	452757.94	2444448.85	1481.97	13932+49	54' Rt
HV-405	452886.58	2449800.22	1475.34	13986+02	54' Lt
HV-406	452979.58	2457495.06	1475.84	14062+98	54' Rt
HV-407	453234.24	2462834.91	1470.64	14116+43	55' Lt
HV-408	453310.56	2467987.04	1439.71	14167+95	54' Rt
HV-409	453788.83	2473393.41	1475.40	14222+15	230' Lt
HV-410	453670.50	2478787.38	1477.74	14276+01	53' Rt
HV-411	453938.08	2484013.73	1453.91	14328+33	54' Lt

SECONDARY CONTROL

Pnt	Northing	Easting	Elev	Station	Offset
RTK 110	454808.08	2473401.01	1480.78	14222+52	1248' Lt

NOTES: Sheet 1 of 2

Date Survey Completed 07/28/2022

☐ Assumed Coordinates

☒ All coordinates on this sheet are Stutsman County ground coordinates.
They are derived from the NAD83(2011) reference frame; North Dakota South Zone Combination Factor (cf) = 0.9998560

All coordinates and measurements on this document derived from the International Foot definition.

INITIALIZING BENCH MARK
NDGPS Stations (OPUS)

☒ NAVD-88

☐ _____

☐ GEOID12B ☐ _____

☒ GEOID18

REGISTERED PROFESSIONAL LAND SURVEYOR
NATHANIEL E. SANDVIG
LS-27505
DATE 11/20/2023
NORTH DAKOTA

Preliminary Plans

PRELIMINARY SURVEY COORDINATE AND CURVE DATA - EAST OF EXIT 260 TO W OF OAKES

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	81	2

HORIZONTAL ALIGNMENT

PNT	STATION	NORTHING	EASTING

REFERENCE MARKERS

R Mkr #	Northing	Easting	Station	Offset	Alignment
272	454031.97	2487327.61	14361+85	71' Lt	OCL94MEDCL_B
272	453895.83	2487334.47	14361+90	66' Rt	OCL94MEDCL_B
273	453986.59	2492600.18	14414+56	65' Rt	OCL94MEDCL_B
273	454120.03	2492598.00	14414+56	69' Lt	OCL94MEDCL_B
274	454119.92	2497872.92	14467+30	67' Rt	OCL94MEDCL_B
274	454254.22	2497879.03	14467+40	67' Lt	OCL94MEDCL_B
275	454404.53	2503148.08	14520+11	67' Lt	OCL94MEDCL_B
275	454268.69	2503153.05	14520+12	69' Rt	OCL94MEDCL_B
276	454434.98	2508422.75	14572+84	68' Rt	OCL94MEDCL_B
276	454569.93	2508421.80	14572+88	67' Lt	OCL94MEDCL_B
277	455636.56	2513450.03	14625+20	68' Rt	OCL94MEDCL_B
277	455760.85	2513394.95	14625+43	66' Lt	OCL94MEDCL_B
278	458540.35	2517850.45	14677+92	68' Rt	OCL94MEDCL_B
278	458665.16	2517791.61	14678+12	69' Lt	OCL94MEDCL_B
279	460129.73	2522766.23	14731+21	68' Rt	OCL94MEDCL_B
279	460267.38	2522765.51	14731+23	70' Lt	OCL94MEDCL_B
280	460236.77	2528044.17	14784+00	68' Rt	OCL94MEDCL_B
280	460371.59	2528042.96	14784+01	67' Lt	OCL94MEDCL_B
281	460483.61	2533312.36	14836+73	69' Lt	OCL94MEDCL_B
281	460347.02	2533317.67	14836+74	67' Rt	OCL94MEDCL_B
282	460629.06	2538595.15	14889+57	68' Lt	OCL94MEDCL_B
282	460493.13	2538599.72	14889+58	68' Rt	OCL94MEDCL_B
283	460639.30	2543890.04	14942+51	68' Rt	OCL94MEDCL_B
283	460776.59	2543888.50	14942+53	69' Lt	OCL94MEDCL_B
284	460921.77	2549162.79	14995+29	66' Lt	OCL94MEDCL_B
284	460787.40	2549166.76	14995+29	68' Rt	OCL94MEDCL_B
285	461061.24	2554435.66	15048+04	66' Lt	OCL94MEDCL_B
285	460927.75	2554439.35	15048+04	68' Rt	OCL94MEDCL_B
286	461191.02	2559715.55	15100+85	69' Lt	OCL94MEDCL_B
286	461054.87	2559719.26	15100+85	68' Rt	OCL94MEDCL_B
287	461186.05	2564987.10	15153+55	68' Rt	OCL94MEDCL_B
287	461324.06	2564983.66	15153+55	70' Lt	OCL94MEDCL_B

NOTES: Sheet 2 of 2

CURVE DATA

ARC DEFINITION

Date Survey Completed 07/28/2022

US PUBLIC LAND SURVEY DATA

CORNER	IRN	NORTHING	EASTING

AERIAL PANELS

HV #	Northing	Easting	Elev	Station	Offset
412	453754.61	2489260.83	1495.28	14381+13	240' Rt
413	454152.83	2494556.53	1456.51	14434+16	54' Lt
414	454117.47	2499859.12	1498.80	14487+15	123' Rt
415	454452.46	2505193.59	1484.69	14540+57	54' Lt
416	454761.98	2511726.00	1483.29	14605+98	67' Rt
417	457526.01	2516092.30	1466.70	14657+66	54' Lt
418	459829.28	2520126.58	1458.00	14704+33	55' Rt
419	460455.78	2526133.00	1485.68	14764+94	184' Lt
420	460307.54	2531426.22	1474.94	14817+83	55' Rt
421	460737.18	2536705.94	1485.55	14870+72	229' Lt
422	460591.83	2542033.38	1437.57	14923+93	64' Rt
423	460855.13	2547271.76	1454.81	14976+37	54' Lt
424	460895.05	2552539.49	1476.18	15029+04	55' Rt
425	461132.55	2557844.31	1423.95	15082+13	55' Lt
426	461143.98	2562887.68	1450.55	15132+55	56' Rt
427	461509.83	2567406.67	1441.17	15178+04	54' Lt
428	463283.02	2571490.03	1434.23	15222+76	54' Rt
429	464214.63	2575128.23	1423.50	15260+47	55' Lt
430	464263.27	2580508.86	1373.40	Outside Alignment	

REFERENCE MARKERS

R Mkr #	Northing	Easting	Station	Offset	Alignment
288	462543.38	2569989.59	15205+97	68' Rt	OCL94MEDCL_B
288	462672.34	2569941.56	15206+14	69' Lt	OCL94MEDCL_B
289	464083.19	2575020.28	15259+31	70' Rt	OCL94MEDCL_B
289	464222.61	2575013.03	15259+33	70' Lt	OCL94MEDCL_B
290	464381.00	2580303.41	Outside Alignment		
290	464243.40	2580304.92	Outside Alignment		

☐ Assumed Coordinates

☒ All coordinates on this sheet are Barnes County ground coordinates.
They are derived from the NAD83(2011) reference frame; North Dakota South Zone Combination Factor (cf) = 0.9998710

SURVEY CONTROL POINTS

PNT	NORTHING	EASTING	ELEV	STATION	OFFSET
MONUMENT DESCRIPTION					
GPS 94-3	454019.00	2484161.07	1463.59	14330+20	136' LT
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					
GPS 94-4	455110.32	2510497.86	1492.19	14594+17	527' LT
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					
GPS 94-5	461677.43	2544768.29	1446.30	14951+57	945' LT
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					
GPS 94-6	464761.07	2572204.23	1431.09	15233+89	1105' LT
#5 Rebar w/ plastic cap stamped "SURVEY CONTROL					

SECONDARY CONTROL

Pnt	Northing	Easting	Elev	Station	Offset
RTK 201	463886.45	2573228.68	1432.50	15241+22	3' R
RTK 202	463825.65	2572998.05	1432.64	15238+84	8' Rt
RTK 203	460511.40	2536565.08	1465.17	14869+25	-74' Lt
RTK 204	460521.67	2536865.93	1468.73	14872+26	-94' Lt
RTK 205	460265.89	2526258.86	1466.06	14766+16	8' Rt
RTK 206	460260.08	2526002.73	1466.01	14763+59	9' Rt
RTK 207	454592.14	2510618.11	1483.05	14594+84	1' Rt
RTK 208	454586.98	2510391.96	1484.99	14592+58	-154' Lt
RTK 209	454242.73	2499960.15	1478.35	14488+20	On Line
RTK 210	454226.37	2499765.74	1477.91	14486+25	12' Rt
RTK 211	453998.53	2489377.15	1476.45	14382+34	-24' Lt
RTK 212	454007.35	2489193.09	1477.96	14380+50	-14' Lt

All coordinates and measurements on this document derived from the International Foot definition.

INITIALIZING BENCH MARK
NDGPS Stations (OPUS)

☒ NAVD-88
☐ _____

☐ GEOID12B ☐ _____
☒ GEOID18

REGISTERED PROFESSIONAL LAND SURVEYOR
NATHANIEL E. SANDVIG
LS-27505
DATE 11/20/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	100	1

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
E5-1-48	48"x48"	EXIT GORE		35	
G20-1-60	60"x24"	ROAD WORK NEXT __ MILES		28	
G20-1b-60	60"x24"	NO WORK IN PROGRESS (Sign and installation only)		18	
G20-2-48	**48"x24"**	**END ROAD WORK**	**12**	**26**	**312**
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted to back of pilot car)		18	
G20-10-108	108"x48"	CONTRACTOR SIGN		70	
G20-50a-72	72"x36"	ROAD WORK NEXT __ MILES RT & LT ARROWS		43	
G20-52a-72	72"x24"	ROAD WORK NEXT __ MILES RT or LT ARROW		36	
G20-55-96	**96"x48"**	**SPEED LIMIT ENFORCED - MINIMUM FEE $80 WHEN WORKERS PRESENT**	**12**	**59**	**708**
M1-1-36	36"x36"	INTERSTATE ROUTE MARKER (Post and installation only)		10	
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)		10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)		10	
M3-1-24	24"x12"	NORTH (Mounted on route marker post)		7	
M3-2-24	24"x12"	EAST (Mounted on route marker post)		7	
M3-3-24	24"x12"	SOUTH (Mounted on route marker post)		7	
M3-4-24	24"x12"	WEST (Mounted on route marker post)		7	
M4-8-24	24"x12"	DETOUR (Mounted on route marker post)		7	
M4-9-30	30"x24"	DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT		15	
M4-10-48	48"x18"	DETOUR (INSIDE ARROW) RIGHT or LEFT (Mounted on barricade)		7	
M5-1-21	21"x15"	ADVANCE TURN ARROW RT or LT(Mounted on route marker post)		7	
M5-1-30	30"x21"	ADVANCE TURN ARROW RT or LT(Mounted on route marker post)		9	
M6-1-21	21"x15"	DIRECTIONAL ARROW RT or LT (Mounted on route marker post)		7	
M6-1-30	30"x21"	DIRECTIONAL ARROW RT or LT (Mounted on route marker post)		9	
M6-3-21	21"x15"	DIRECTIONAL ARROW UP (Mounted on route marker post)		7	
R1-1-48	48"x48"	STOP		32	
R1-2-60	**60"x60"**	**YIELD**	**4**	**29**	**116**
R2-1-36	**36"x48"**	**SPEED LIMIT __ (Portable only)**	**14**	**30**	**420**
R2-1-48	**48"x60"**	**SPEED LIMIT __**	**12**	**39**	**468**
R2-1aP-24	**24"x18"**	**MINIMUM FEE $80 (Mounted on Speed Limit post)**	**18**	**10**	**180**
R3-2-48	48"x48"	NO LEFT TURN		35	
R4-1-48	48"x60"	DO NOT PASS		39	
R4-7-48	48"x60"	KEEP RIGHT		39	
R5-1-48	48"x48"	DO NOT ENTER		35	
R6-1-54	54"x18"	ONE WAY RIGHT or LEFT (Mounted on STOP or DO NOT ENTER post)		14	
R7-1-12	12"x18"	NO PARKING ANY TIME		11	
R10-6-24	24"x36"	STOP HERE ON RED		16	
R11-2-48	48"x30"	ROAD CLOSED (Mounted on barricade)		12	
R11-2a-48	48"x30"	STREET CLOSED (Mounted on barricade)		12	
R11-3a-60	60"x30"	ROAD CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY (Mtd on barricade)		15	
R11-3c-60	60"x30"	STREET CLOSED __ MILES AHEAD LOCAL TRAFFIC ONLY (Mtd on barricade)		15	
R11-4a-60	60"x30"	STREET CLOSED TO THRU TRAFFIC (Mounted on barricade)		15	
W1-3-48	48"x48"	REVERSE TURN RIGHT or LEFT		35	
W1-4-48	48"x48"	REVERSE CURVE RIGHT or LEFT		35	
W1-4b-48	48"x48"	TWO LANE REVERSE CURVE RIGHT or LEFT		35	
W1-6-48	48"x24"	ONE DIRECTION LARGE ARROW		26	
W3-1-48	48"x48"	STOP AHEAD		35	
W3-3-48	48"x48"	SIGNAL AHEAD		35	
W3-4-48	48"x48"	BE PREPARED TO STOP		35	
W3-5-48	**48"x48"**	**SPEED REDUCTION AHEAD**	**8**	**35**	**280**
W4-2-48	**48"x48"**	**LANE ENDS RIGHT or LEFT**	**6**	**35**	**210**
W5-1-48	48"x48"	ROAD NARROWS		35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE		35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW		35	
W6-3-48	48"x48"	TWO WAY TRAFFIC		35	
W8-1-48	48"x48"	BUMP		35	
W8-3-48	48"x48"	PAVEMENT ENDS		35	
W8-7-48	48"x48"	LOOSE GRAVEL		35	
W8-11-48	48"x48"	UNEVEN LANES		35	
W8-12-48	48"x48"	NO CENTER LINE		35	
W8-17-48	48"x48"	SHOULDER DROP-OFF SYMBOL		35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY		35	
W8-54-48	48"x48"	TRUCKS ENTERING AHEAD or __ FT or _ MILE		35	
W8-55-48	48"x48"	TRUCKS CROSSING AHEAD or __ FT or _ MILE		35	
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY		35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL		35	
W12-2-48	48"x48"	LOW CLEARANCE		35	
W13-1P-30	30"x30"	__ MPH ADVISORY SPEED PLAQUE (Mounted on warning sign post)		14	
W14-3-64	64"x48"	NO PASSING ZONE		28	
W16-2P-30	30"x24"	__ FEET PLAQUE (Mounted on warning sign post)		10	
W20-1-48	**48"x48"**	**ROAD WORK AHEAD or _FT or _ MILE**	**8**	**35**	**280**
W20-2-48	48"x48"	DETOUR AHEAD or __ FT or _ MILE		35	
W20-3-48	48"x48"	ROAD or STREET CLOSED AHEAD or __ FT or _ MILE		35	
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or __ FT or _ MILE		35	
W20-5-48	**48"x48"**	**RIGHT or CENTER or LEFT LANE CLOSED AHEAD or __ FT or _ MILE**	**6**	**35**	**210**
W20-7-48	**48"x48"**	**FLAGGER**	**3**	**35**	**105**
W20-8-18	**18"x18"**	**STOP - SLOW PADDLE Back to Back**	**3**	**5**	**15**
W20-52P-54	54"x12"	NEXT __ MILES (Mounted on warning sign post)		12	
W21-1-48	48"x48"	WORKERS		35	
W21-2-48	48"x48"	FRESH OIL		35	
W21-3-48	48"x48"	ROAD MACHINERY AHEAD or __ FT or _ MILE		35	
W21-5-48	48"x48"	SHOULDER WORK		35	
W21-5a-48	**48"x48"**	**RIGHT or LEFT SHOULDER CLOSED**	**2**	**35**	**70**
W21-5b-48	**48"x48"**	**RIGHT or LEFT SHOULDER CLOSED AHEAD or __ FT or _ MILE**	**2**	**35**	**70**
W21-6-48	48"x48"	SURVEY CREW		35	
W21-50-48	48"x48"	BRIDGE PAINTING AHEAD or __ FT		35	
W21-51-48	48"x48"	MATERIAL ON ROADWAY		35	
W21-52-48	48"x48"	PAVEMENT BREAKS		35	
W21-53-48	48"x48"	RUMBLE STRIPS AHEAD		35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK		35	

SPECIAL SIGNS

SPEC & CODE

704-1000	TRAFFIC CONTROL SIGNS	TOTAL UNITS	3444

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY
704-0100	**FLAGGING**	**MHR**	**200**
704-1048	PORTABLE RUMBLE STRIPS	EACH	
704-1050	TYPE I BARRICADES	EACH	
704-1052	**TYPE III BARRICADES**	**EACH**	**27**
704-1060	**DELINEATOR DRUMS**	**EACH**	**58**
704-1065	TRAFFIC CONES	EACH	
704-1067	**TUBULAR MARKERS**	**EACH**	**987**
704-1070	DELINEATOR	EACH	
704-1072	FLEXIBLE DELINEATORS	EACH	
704-1080	STACKABLE VERTICAL PANELS	EACH	
704-1081	VERTICAL PANELS - BACK TO BACK	EACH	
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH	
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH	
704-1087	**SEQUENCING ARROW PANEL - TYPE C**	**EACH**	**3**
704-1500	OBLITERATION OF PVMT MK	SF	
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF	
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH	
762-0200	RAISED PAVEMENT MARKERS	EACH	
762-0420	SHORT TERM 4IN LINE - TYPE R	LF	
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF	

NOTE:
If additional signs are required, units will be calculated using the formula from Section III-18.06 of the Design Manual.
http://www.dot.nd.gov/

REGISTERED PROFESSIONAL ENGINEER
LAEKEN J CAREY
PE-29948
DATE 11/17/2023
NORTH DAKOTA

Traffic Control Devices List
High Tension Median Cable Guardrail
I-94 Median
E of Exit 260 to W of Oakes

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
N.D.	2-094(191)261	110	1

Station / RP	Sign / Assembly No.	Flat Sheet For Signs IV SF	Flat Sheet For Signs XI SF	Panel For Signs IV SF	Panel For Signs XI SF	Overlay Panel IV SF	Overlay Panel XI SF	Vert Clear-ance FT	Galv Steel Sheet Standard Pipe 1st LF	Galv Steel Sheet Standard Pipe 2nd LF	Size	Galv Steel Post W-Shape Posts 1st LF	Galv Steel Post W-Shape Posts 2nd LF	Galv Steel Post W-Shape Posts 3rd LF	Max Post Len LF	Post Space FT	Revise Fuse Joint EA	Std Pipe Fdn Dia FT	Std Pipe Fdn Dep FT	Std Pipe Fdn Vol CY	W-Shape Pile LF	Remove Sign Fdns Conc Fdn EA	Remove Sign Fdns W-Shape Pile EA	Reset Sign Panel EA	Reset Sign Support EA	Stub Post EA	Multi Dir Base EA	Comments
15054+58 Rt mdn	Reset							7.0	13.8		3.5				16.4			1.3	6.0	0.3				1				
Sub Total								**Total**	13.8			**Total**	0.0							0.3	0	0	0	1	0	0	0	
Grand Total								**Total**	**13.8**			**Total**	**0.0**							**0.3**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	

Preliminary Plans

REGISTERED PROFESSIONAL ENGINEER
LAEKEN L CAREY
PE-29948
DATE 12/01/2023
NORTH DAKOTA

Sign Summary
Round Steel Pipe & W-Shape

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
N.D.	HEN-2-094(191)261	110	2

Station / RP	Sign No.	Assembly No.	Flat Sheet For Signs IV SF	Flat Sheet For Signs XI SF	Sign Support Length 1st LF	2nd LF	3rd LF	4th LF	Vert Clear-ance FT	Support Size	Max Post Len LF	Sleeve Length 1st LF	2nd LF	3rd LF	4th LF	Sleeve Size	Anchor EA	Anchor LF	Anchor Size	Reset Sign Panel EA	Reset Sign Support EA	Break-Away EA	Comments
13832+48 Lt mdn	W11-3	58		19.0	13.9	14.3			7.0	2.25 x 2.25 12 ga	15.6	4.1	4.5			2.5 x 2.5 12 ga	2	4	3 x 3 7 ga			2	
15293+77 Lt mdn	R5-11	32		5.0	8.2				5.0	2 x 2 12 ga	10.6						1	4	2.25 x 2.25 12 ga				
15294+25 Rt mdn	R5-11	32		5.0	8.2				5.0	2 x 2 12 ga	10.6						1	4	2.25 x 2.25 12 ga				
Sub Total			0.0	29.0		**Total**	44.6										**Total**	16.0		0	0	2	
Grand Total			**0.0**	**29.0**		**Total**	**44.6**										**Total**	**16**	**0**	**0**	**0**	**2**	

Preliminary Plans

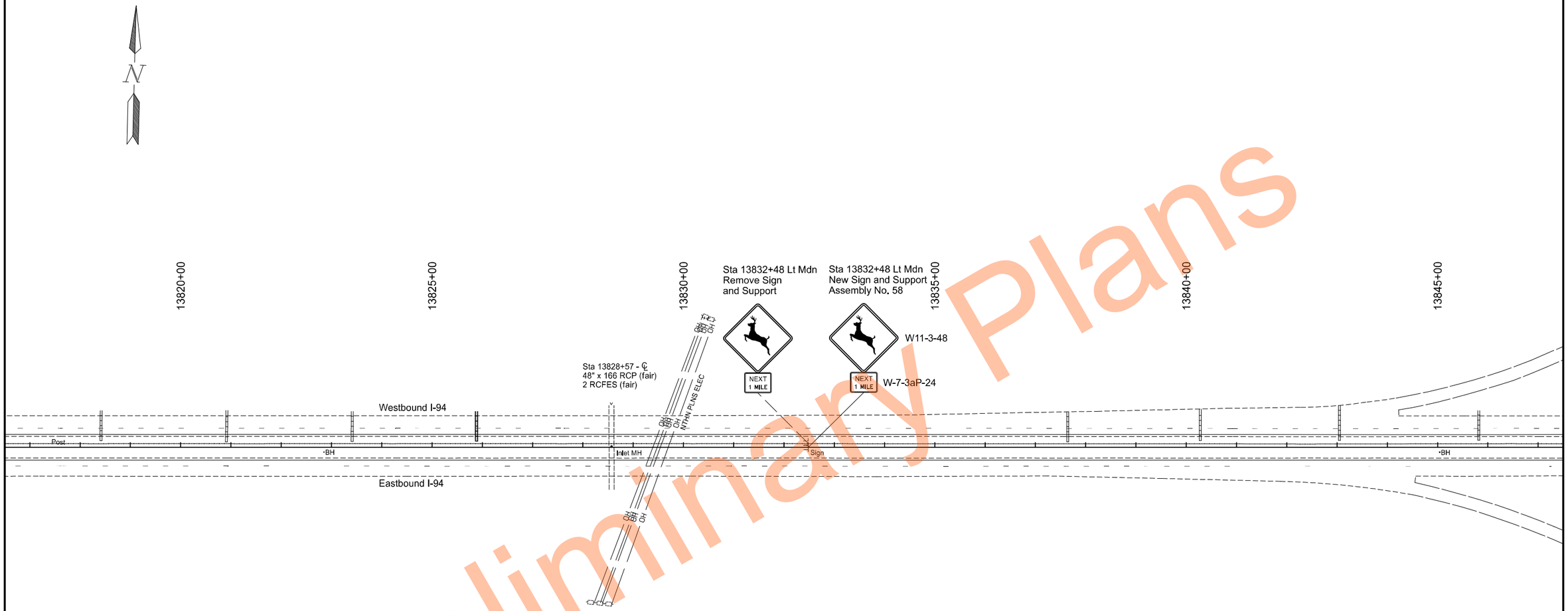
REGISTERED PROFESSIONAL ENGINEER
LAEKEN L CAREY
PE-29948
Laeken L Carey
DATE 12/01/2023
NORTH DAKOTA

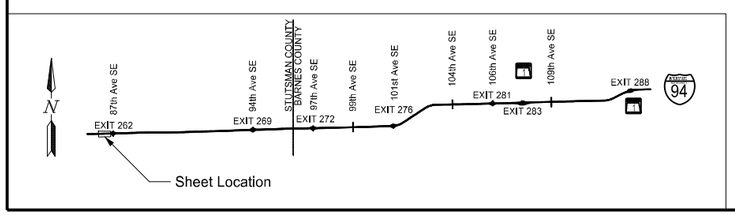
Sign Summary
Perforated Tube

High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	110	3





Sign Layout

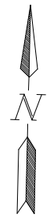
High Tension Median Cable Guardrail

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
LAEKEN L CAREY
PE-29948
Laeken L Carey
DATE 12/01/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	110	4



15045+00

15050+00

Sta 15054+58 Rt Mdn
Remove & Reset Sign
New Support, Foundation (1)
Hinged Sign Assembly
See D-754-85G

15055+00

15060+00

15065+00

15070+00

Reset

15074+21 - ℄
98' Lt to N end
24" x 98' RCP (fair)
1 RCFES (fair - N end)

Westbound I-94

Asph

Asph

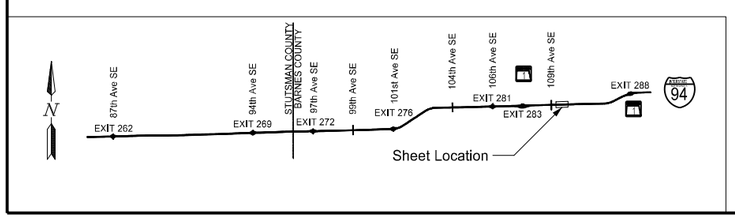
Asph

Sign

Eastbound I-94

15074+21 - 0' Rt
18" x 46' RCP (fair)
2 RCTES (fair)

15057+20 - 4' Rt to N end
24" x 78' RCP (good)
1 RCTES (good - N end)
1 RCFES (good - S end)



Sign Layout

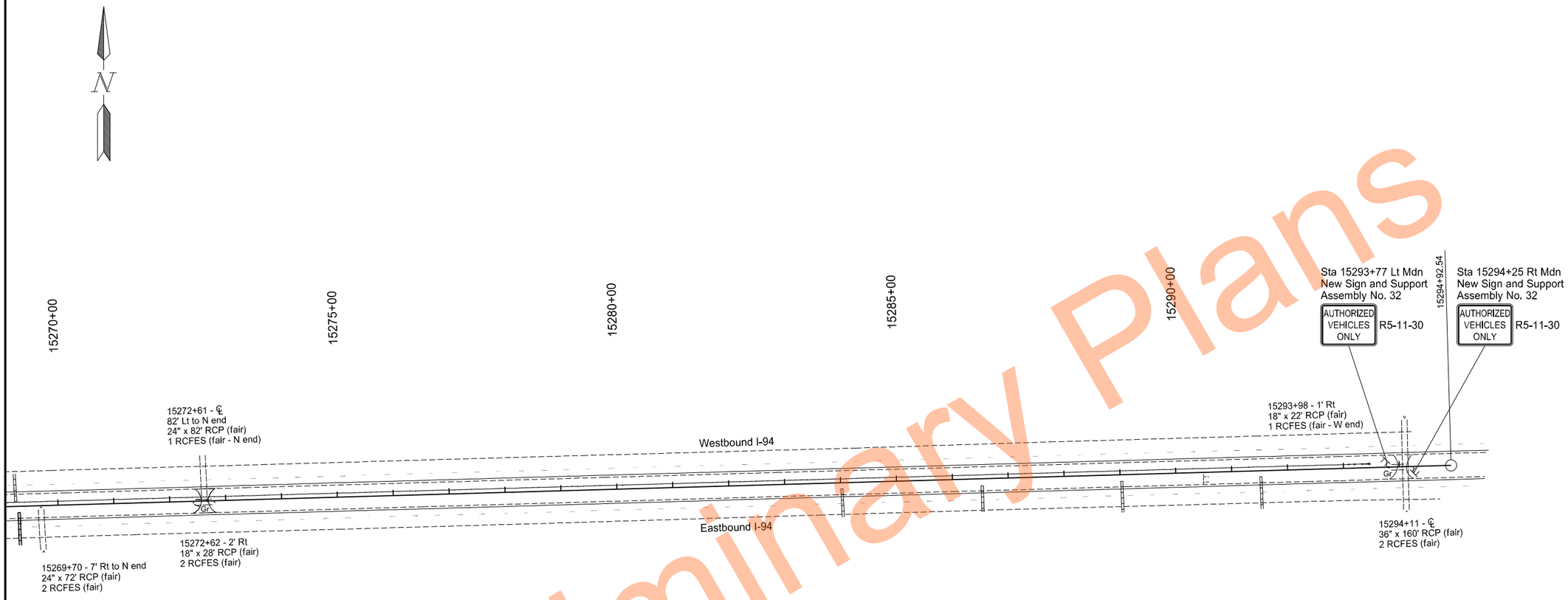
High Tension Median Cable Guardrail

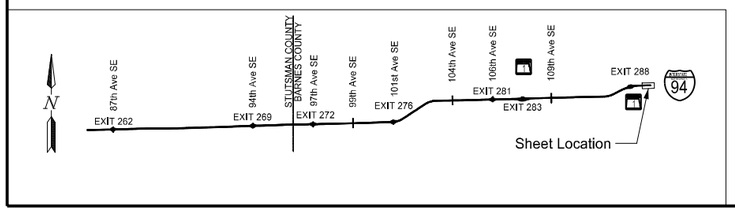
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
LAEKEN L CAREY
PE-29948
Laeken L Carey
DATE 12/01/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	110	5





SPEC	CODE	BID ITEM	QTY	UNIT
754	0166	Delineators - Type E		
		15293+77 Lt Mdn & 15294+25 Rt Mdn	4	EA

Sign Layout

High Tension Median Cable Guardrail

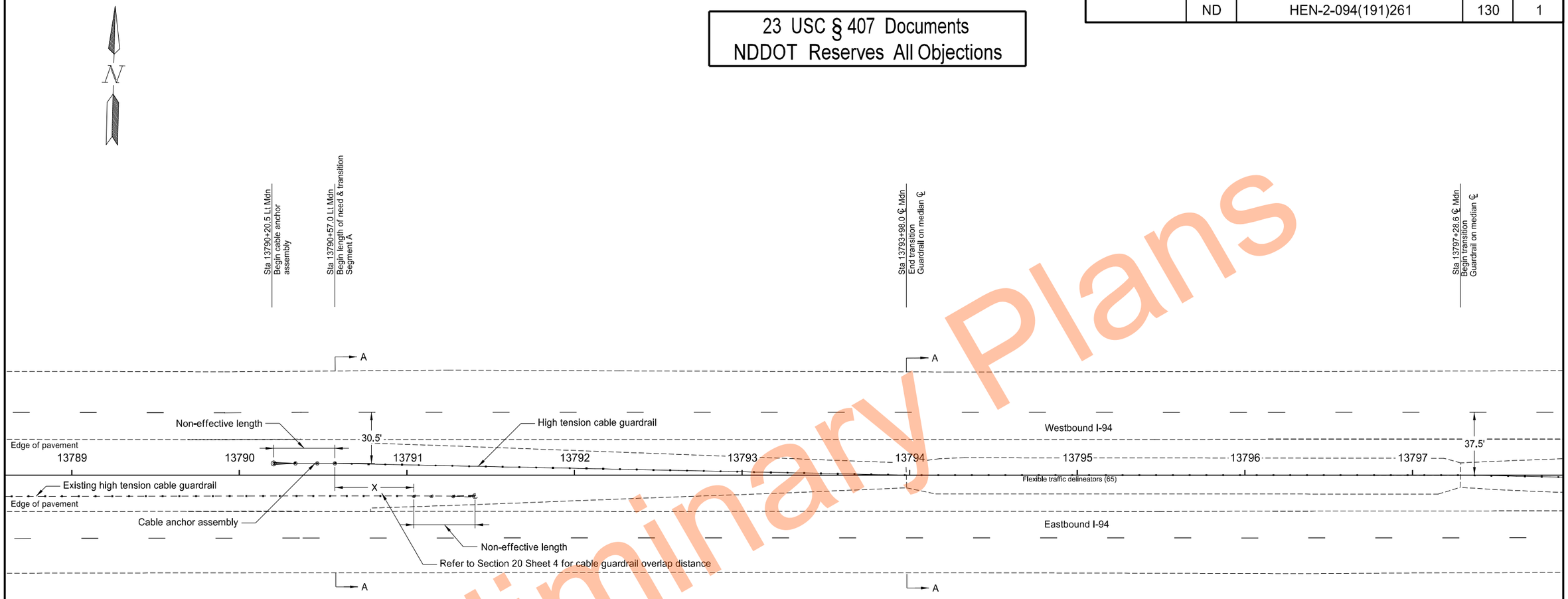
I-94 Median
E of Exit 260 to W of Oakes

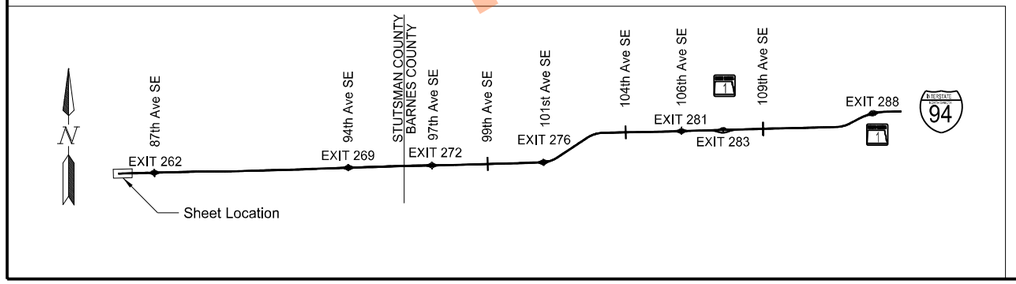
REGISTERED PROFESSIONAL ENGINEER
LAEKEN L CAREY
PE-29948
Laeken L Carey
DATE 12/01/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	1

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment A
Sta 13790+57.0 to Sta 13797+25.0

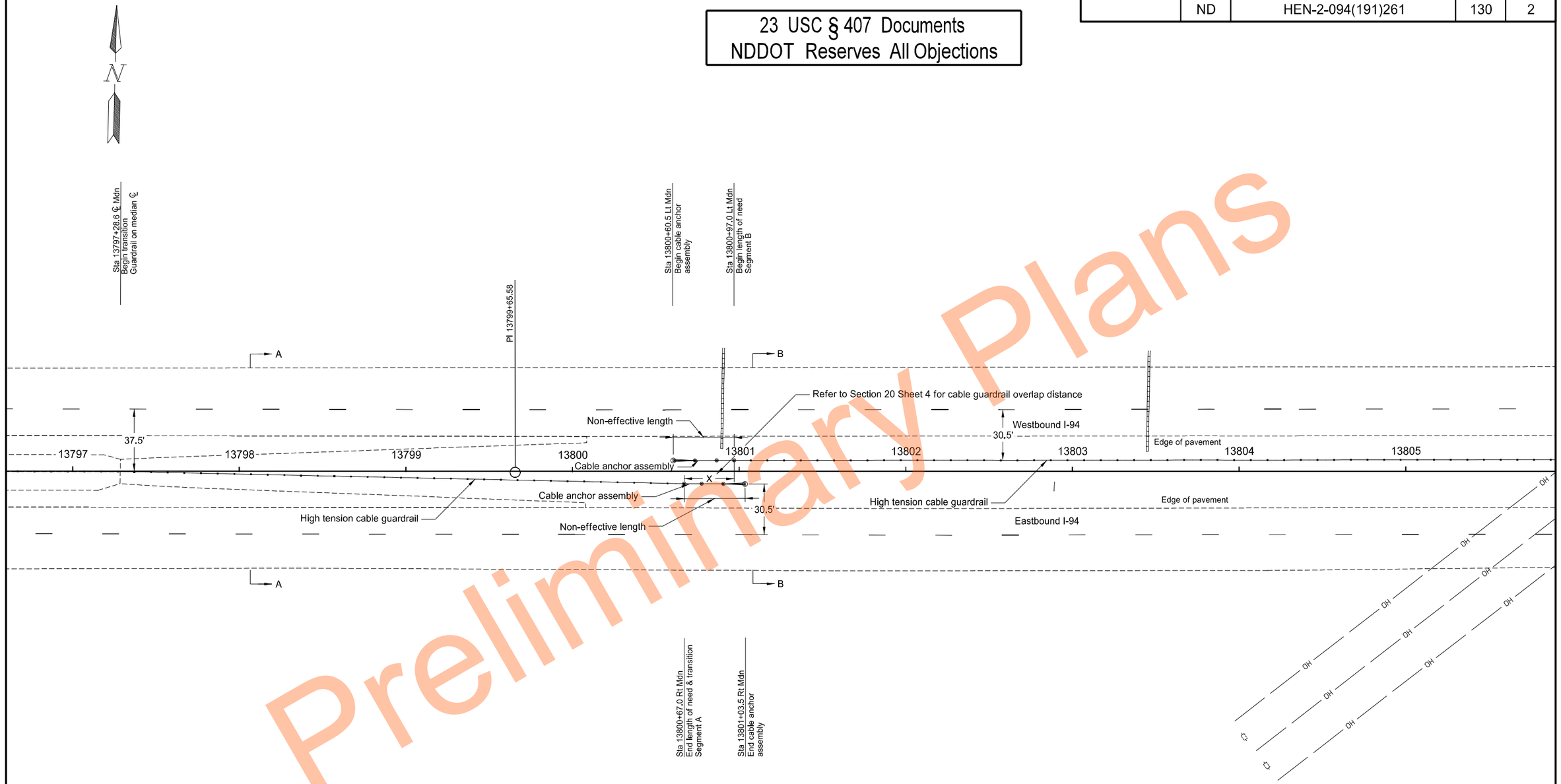
I-94 Median
E of Exit 260 to W of Oakes

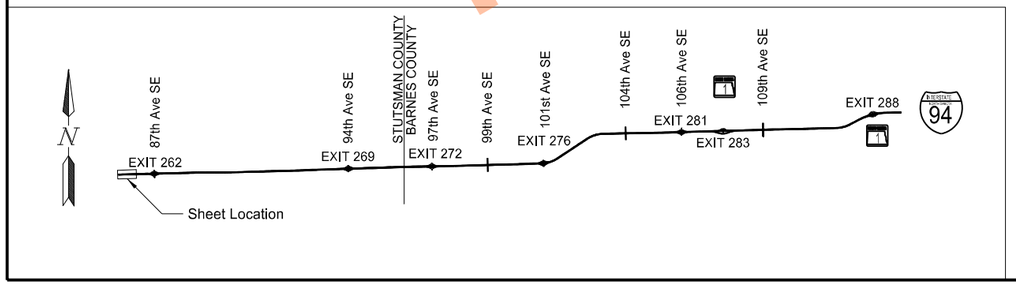
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	2

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment A - Sta 13797+25.0 to Sta 13800+67.0
Segment B - Sta 13800+97.0 to Sta 13805+25.0

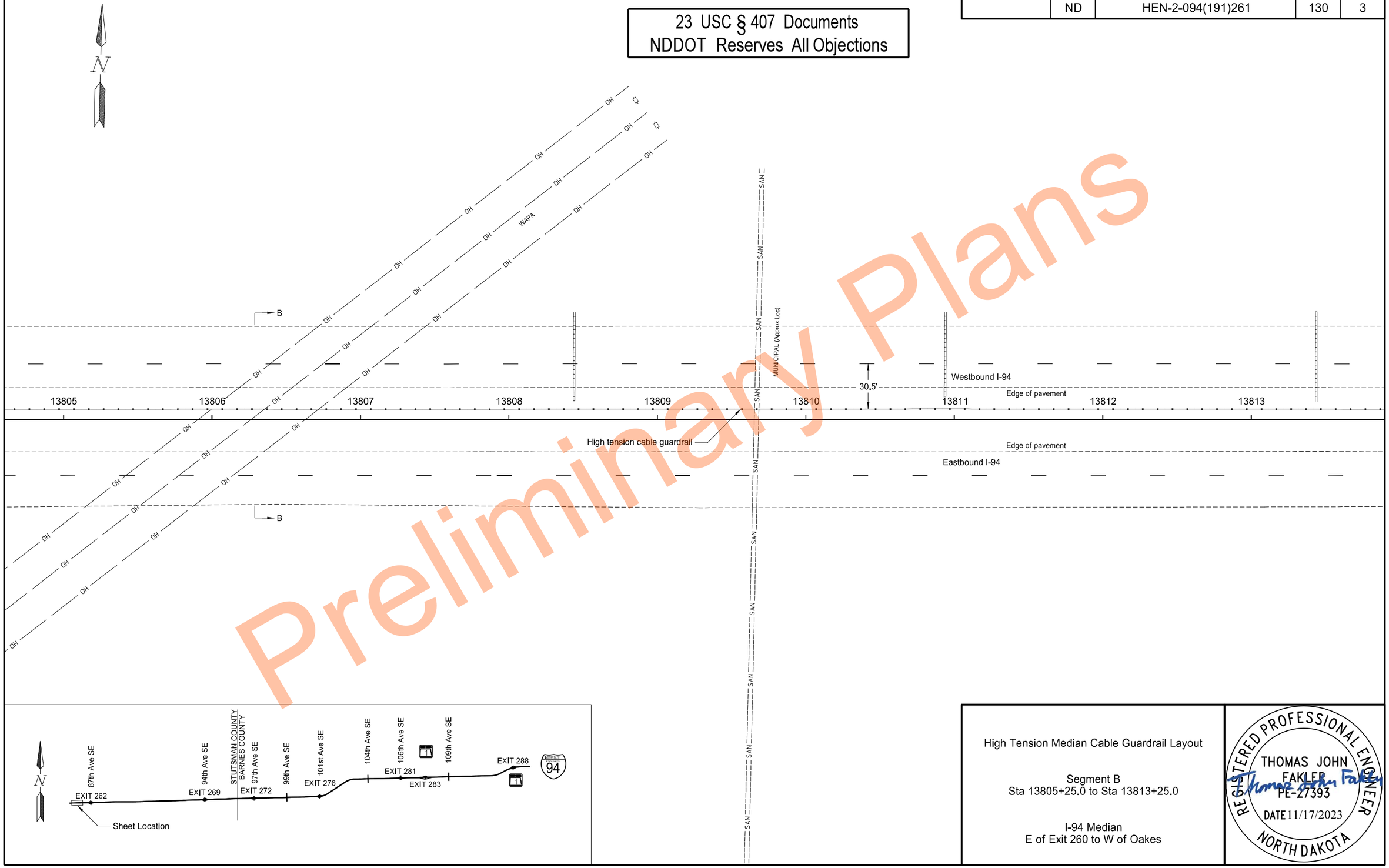
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	3

23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment B
Sta 13805+25.0 to Sta 13813+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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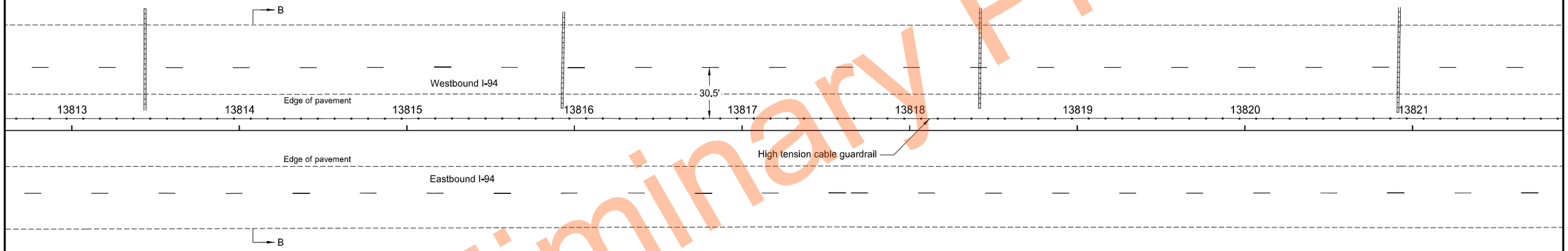
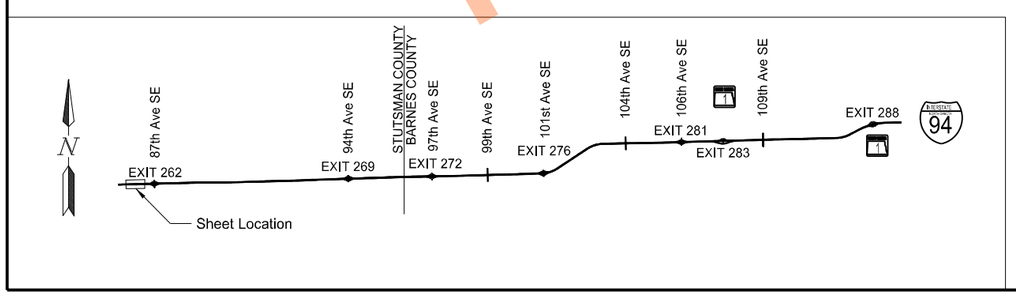
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment B
Sta 13813+25.0 to Sta 13821+25.0

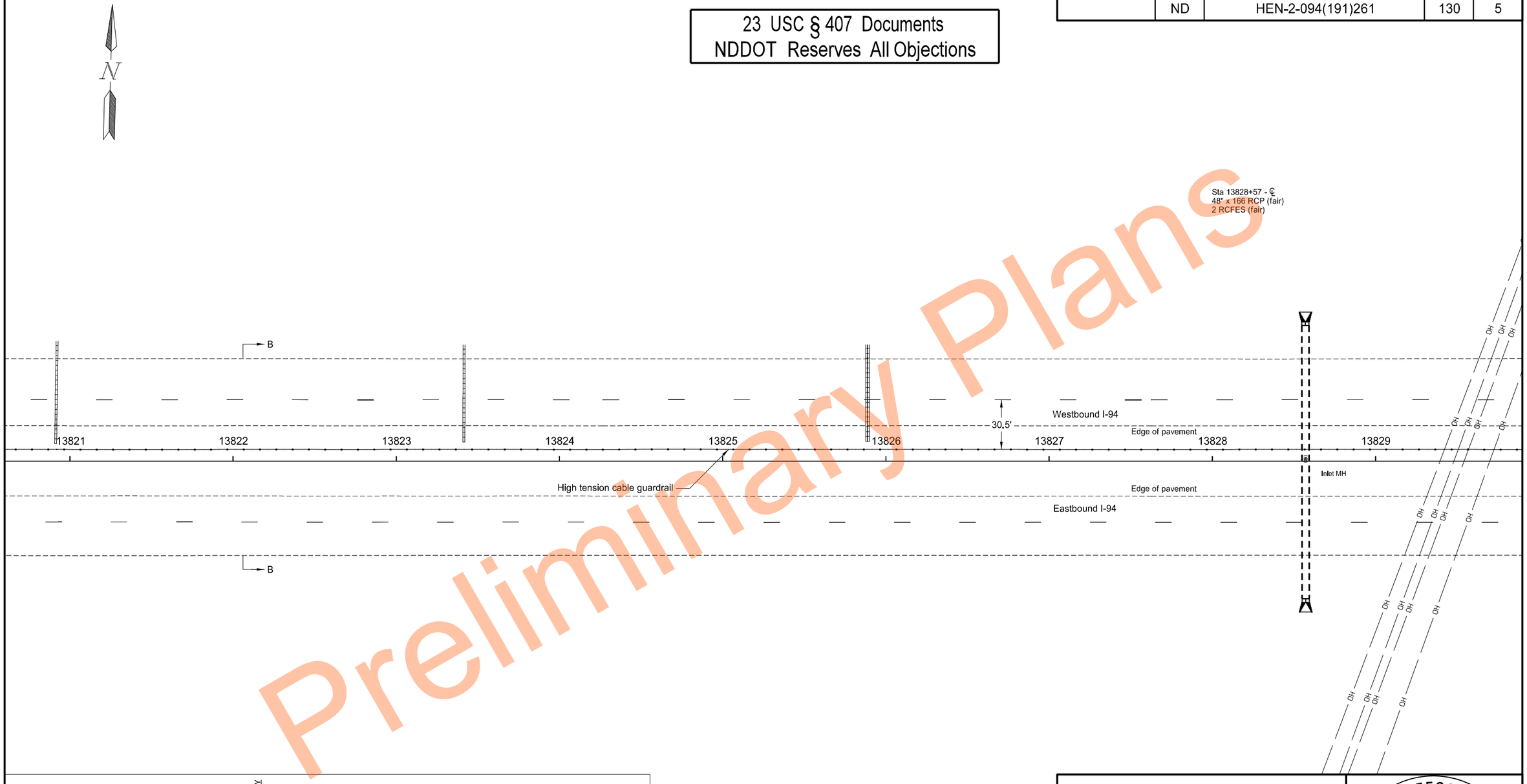
I-94 Median
E of Exit 260 to W of Oakes

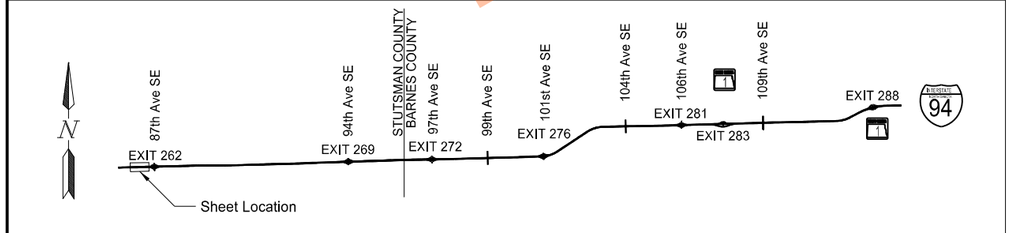
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	5

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment B
Sta 13821+25.0 to Sta 13829+25.0

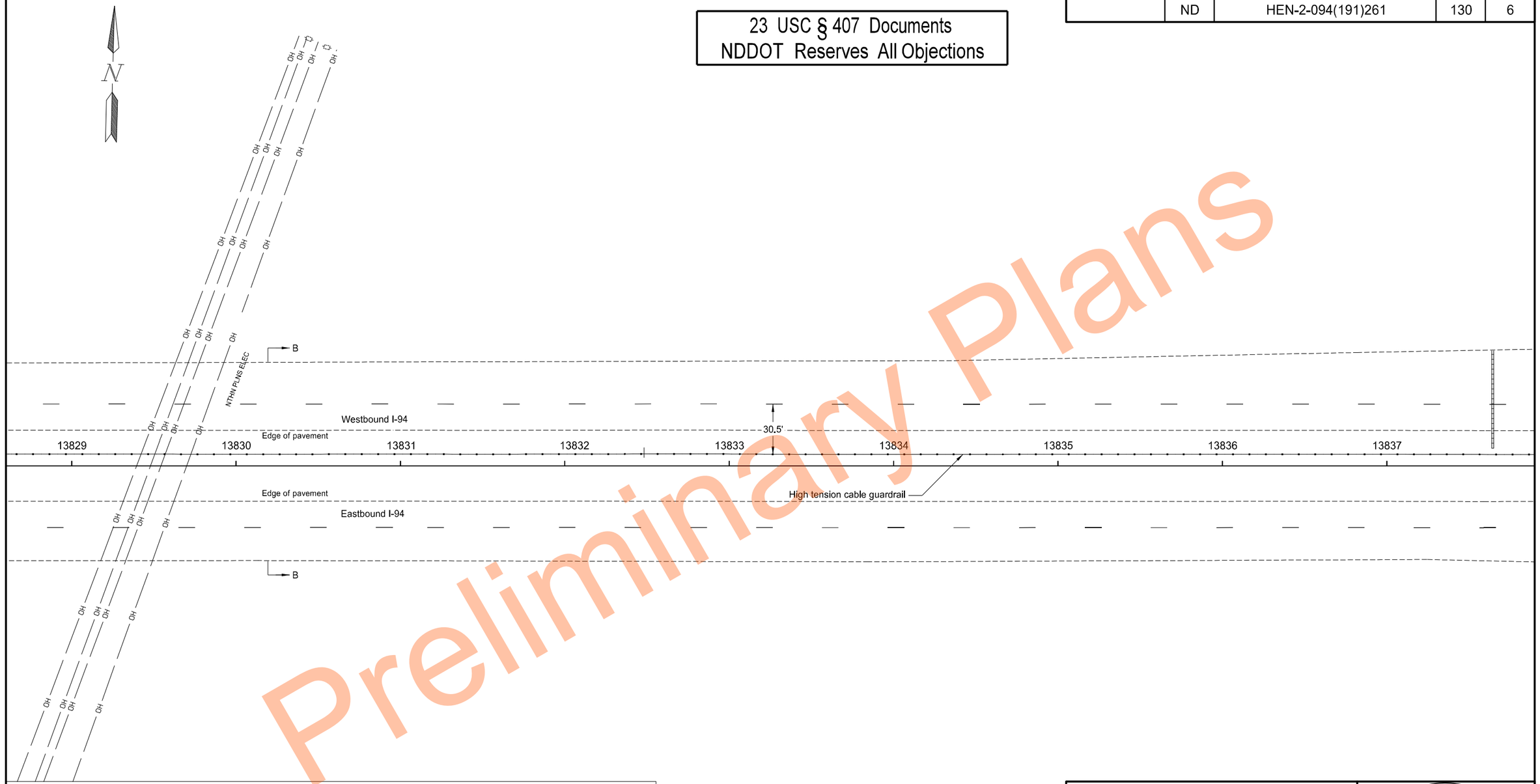
I-94 Median
E of Exit 260 to W of Oakes

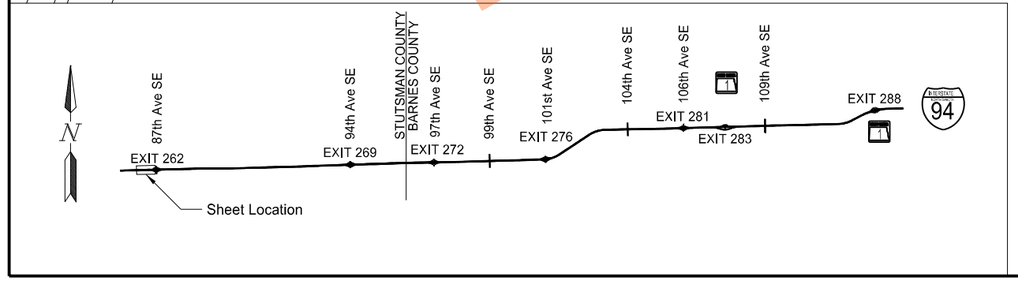
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	6

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment B
Sta 13829+25.0 to Sta 13837+25.0

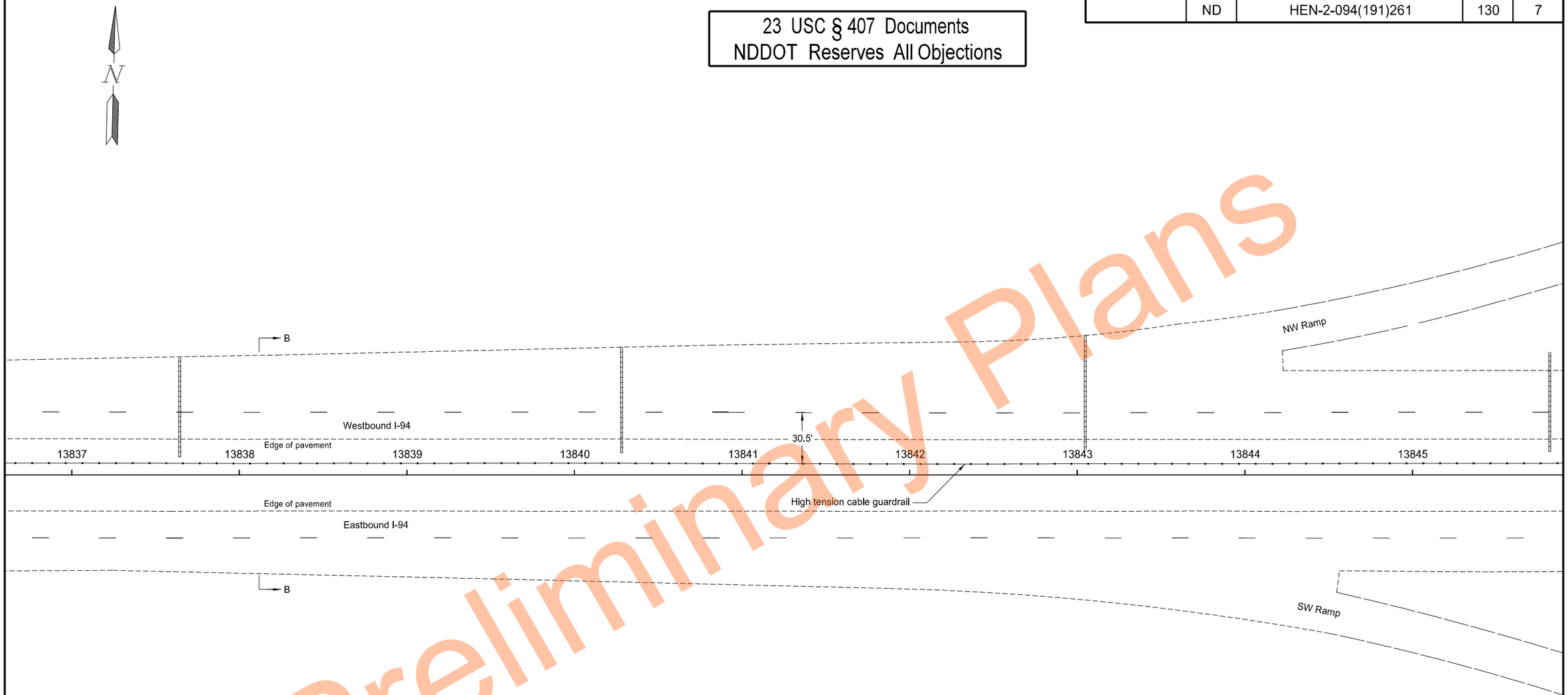
I-94 Median
E of Exit 260 to W of Oakes

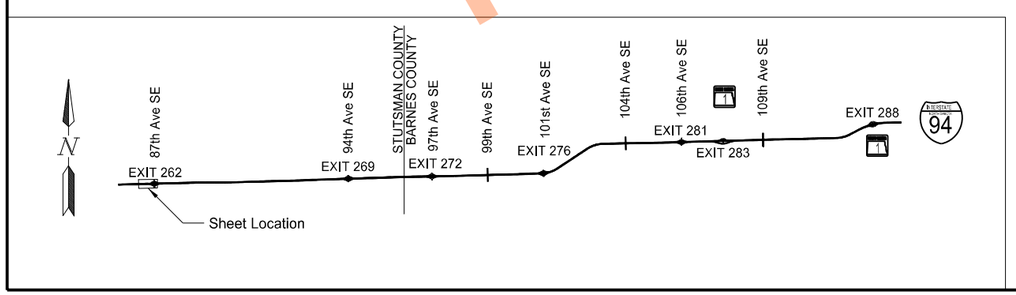
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	7

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment B
Sta 13837+25.0 to Sta 13845+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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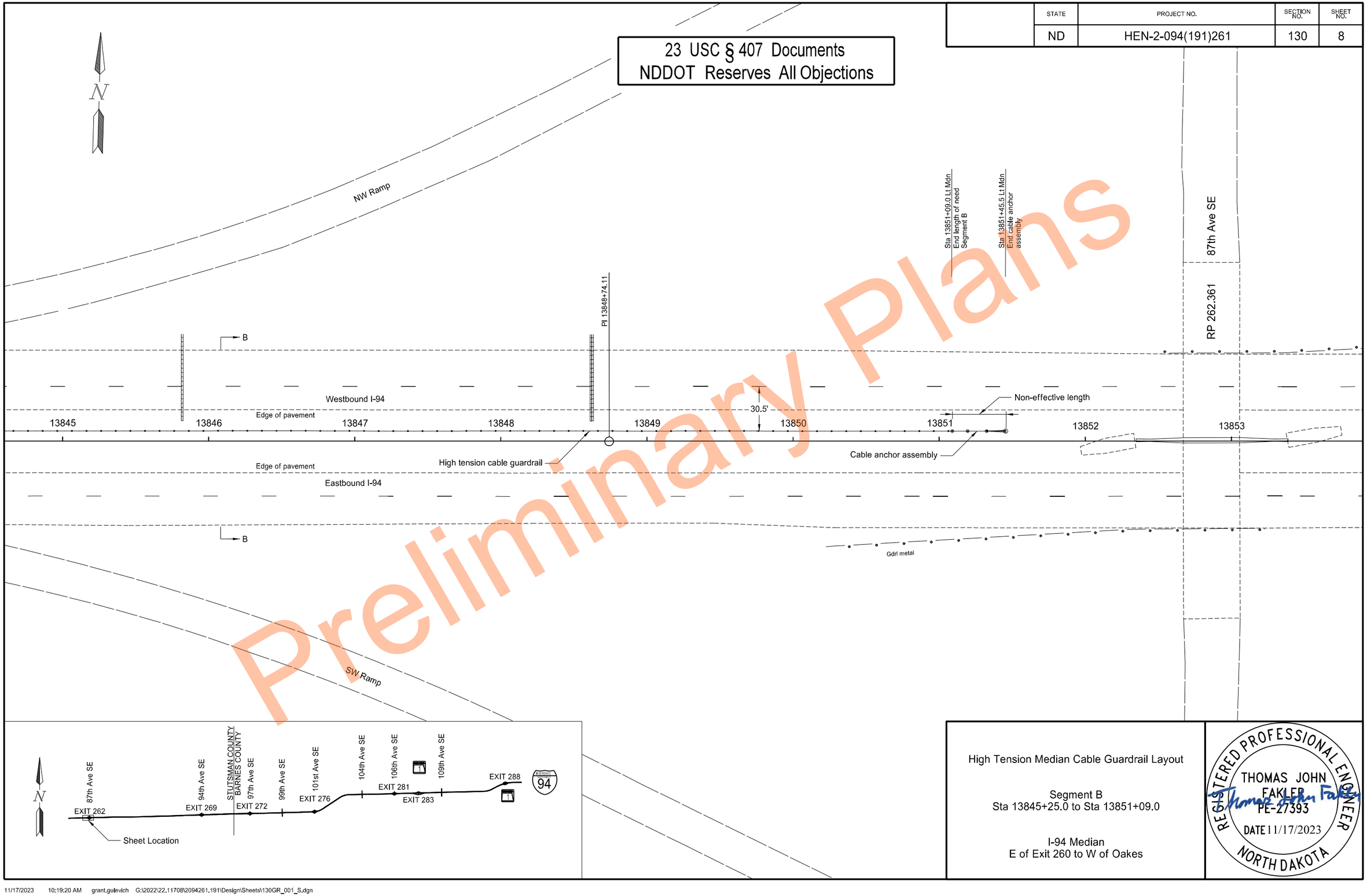
23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment B
Sta 13845+25.0 to Sta 13851+09.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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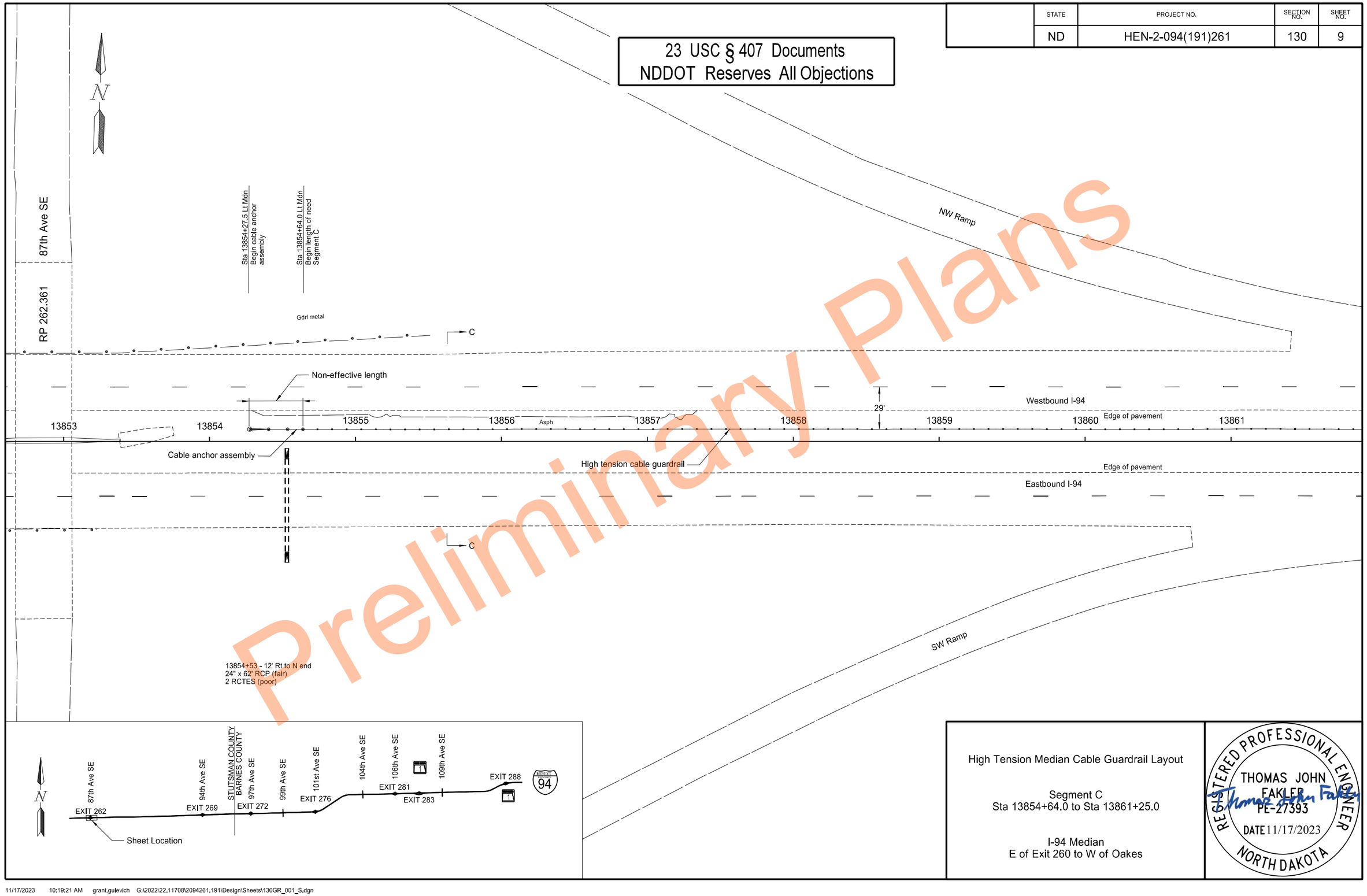
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	9

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment C
Sta 13854+64.0 to Sta 13861+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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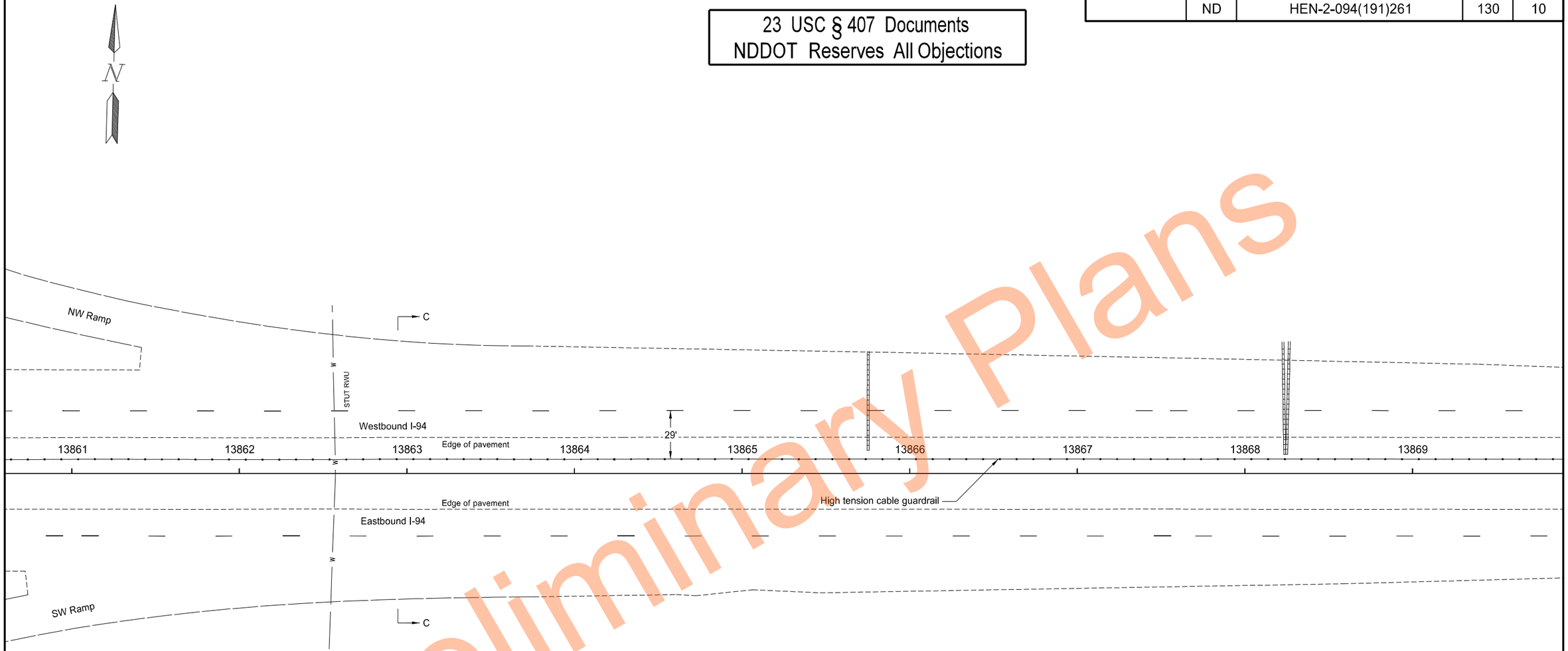
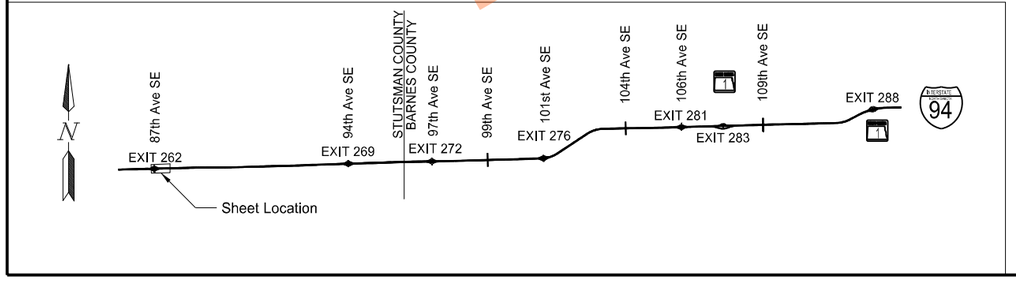
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	10

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13861+25.0 to Sta 13869+25.0

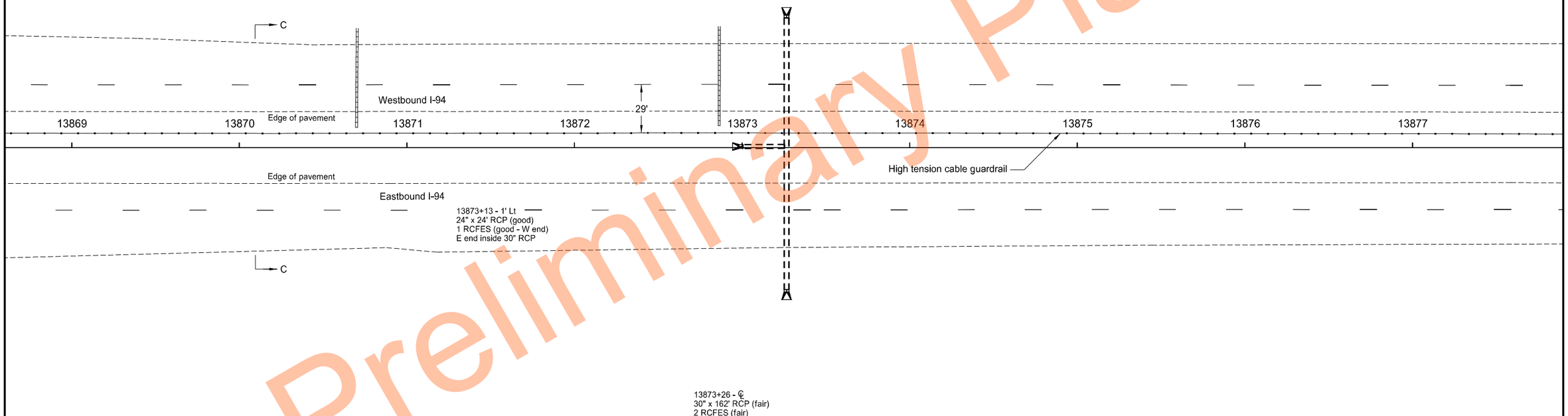
I-94 Median
E of Exit 260 to W of Oakes

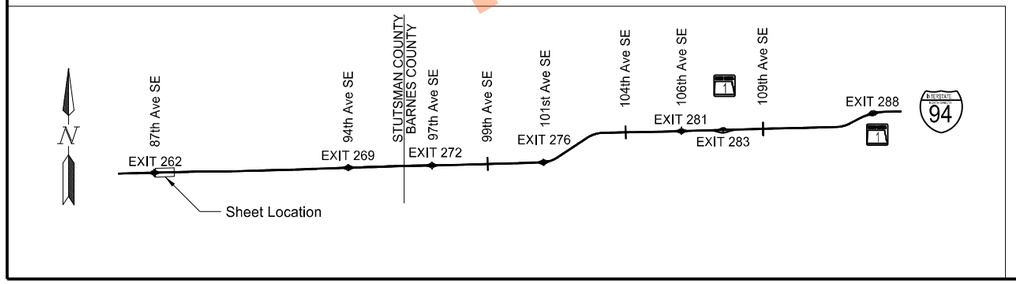
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	11

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13869+25.0 to Sta 13877+25.0

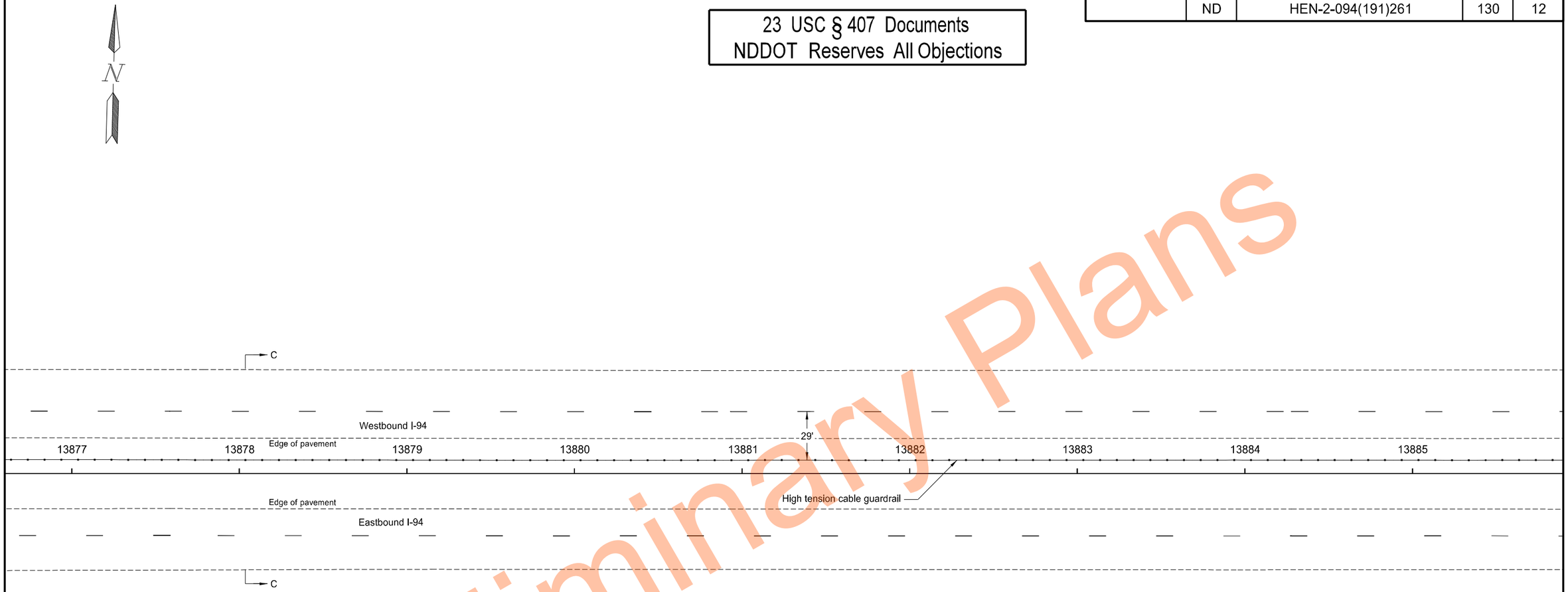
I-94 Median
E of Exit 260 to W of Oakes

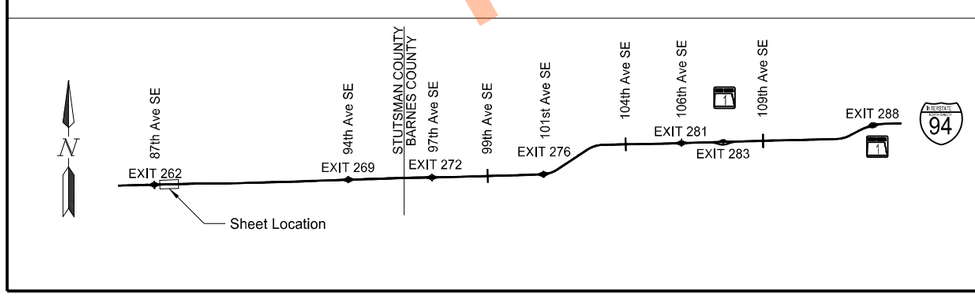
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	12

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13877+25.0 to Sta 13885+25.0

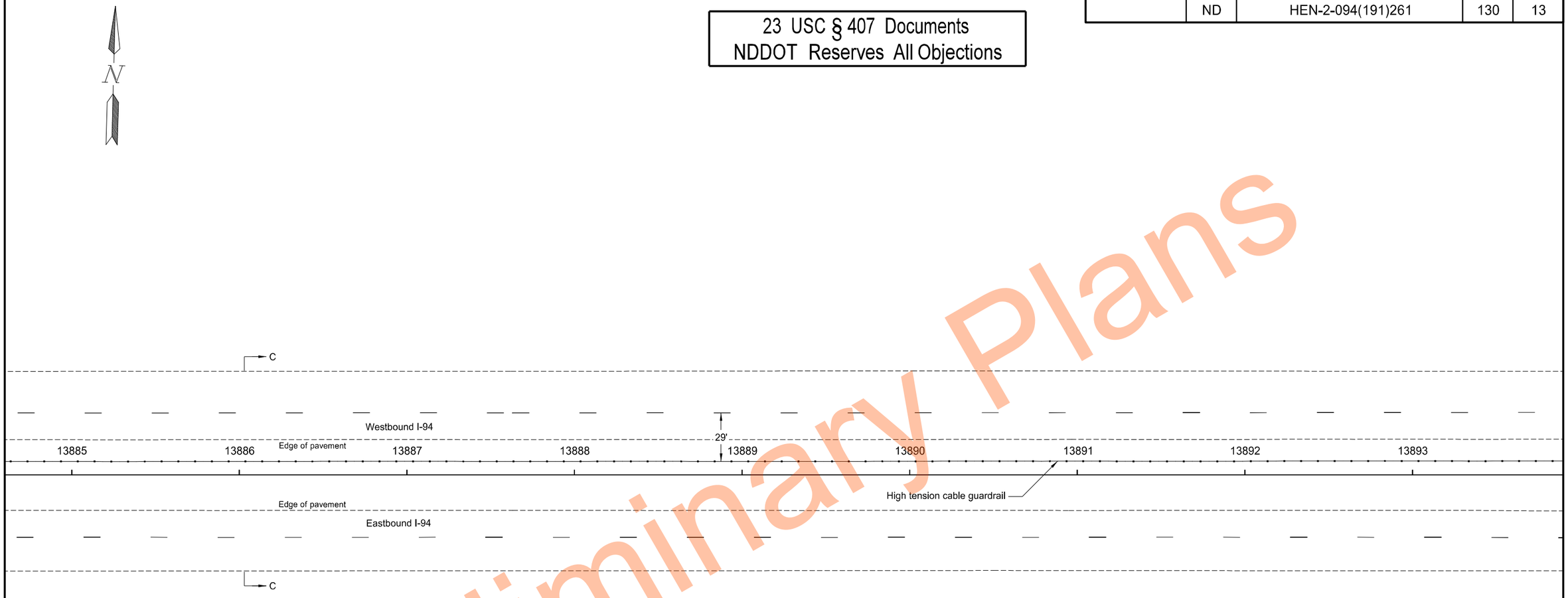
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	13

23 USC § 407 Documents
NDDOT Reserves All Objections



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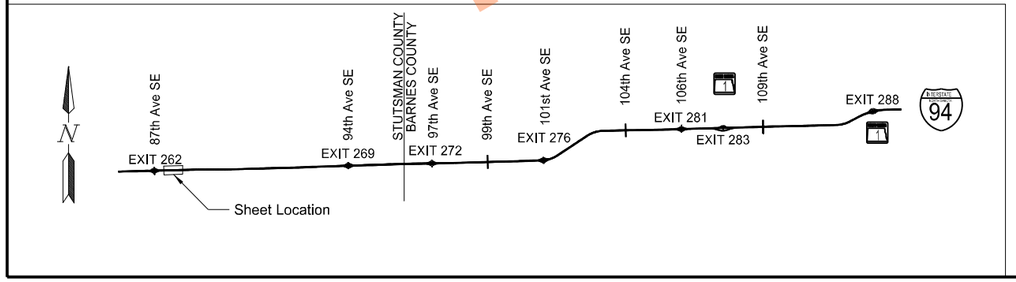

High Tension Median Cable Guardrail Layout

Segment C
Sta 13885+25.0 to Sta 13893+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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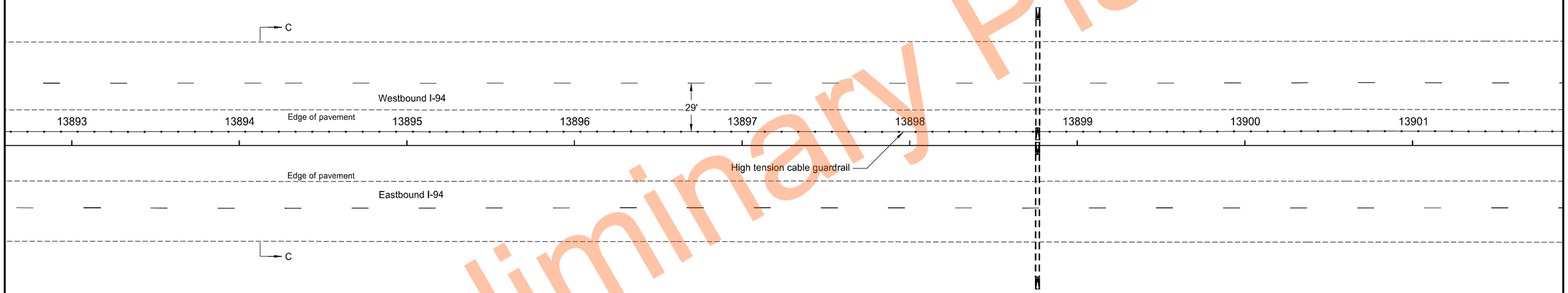
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	14

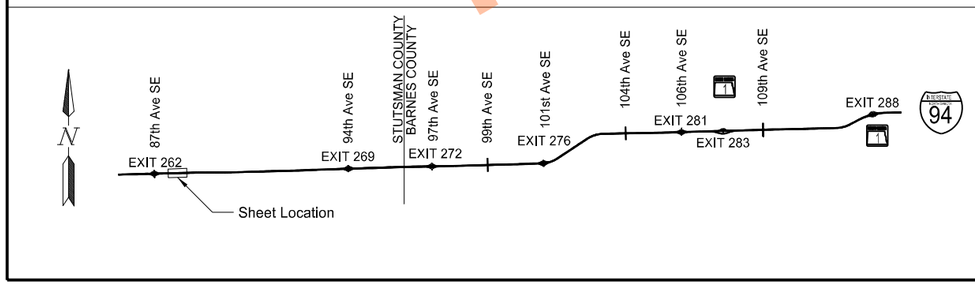
23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans

13898+76 - 10' Lt to S end
24" x 64' RCP (good)
2 RCTES (good)



13898+76 - 5' Rt to N end
24" x 72' RCP (good)
2 RCTES (good)



High Tension Median Cable Guardrail Layout

Segment C
Sta 13893+25.0 to Sta 13901+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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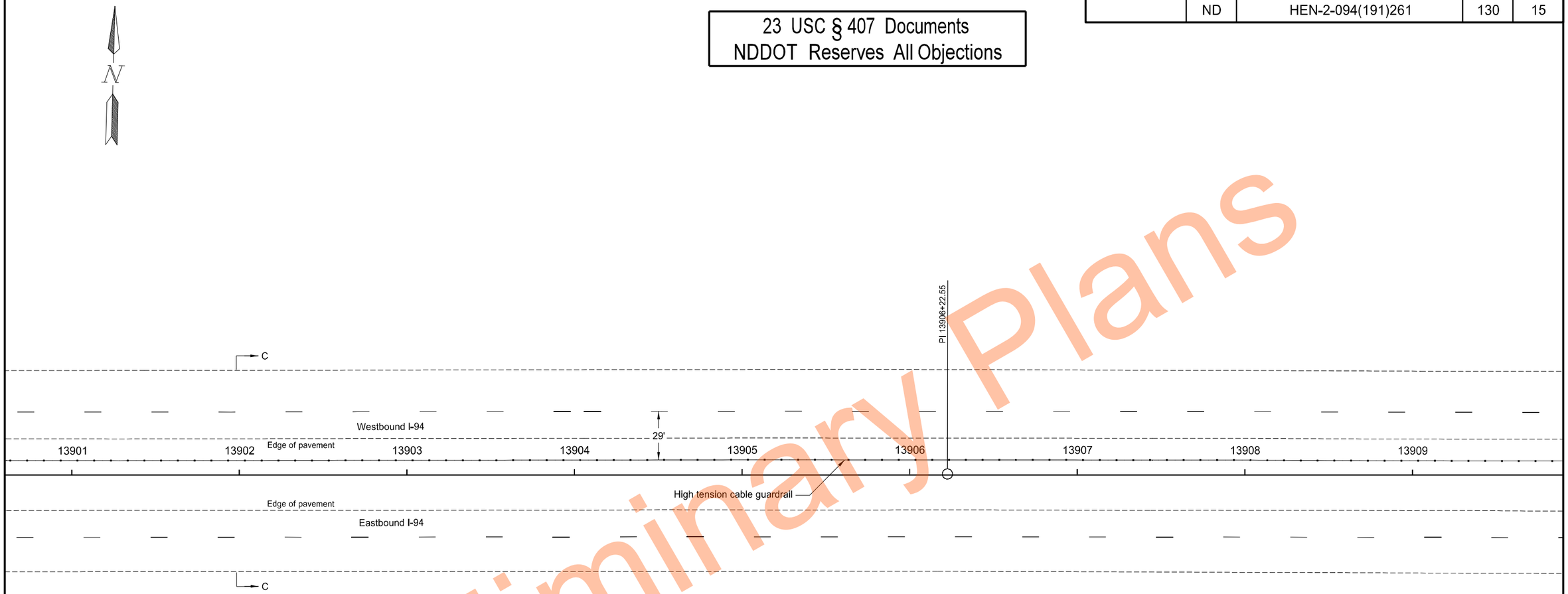
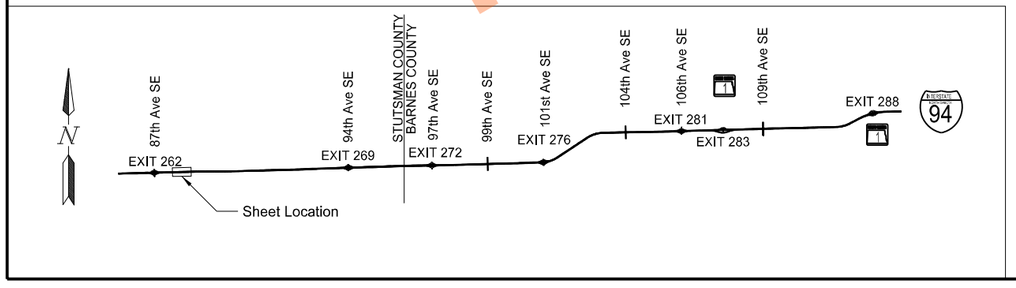
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13901+25.0 to Sta 13909+25.0

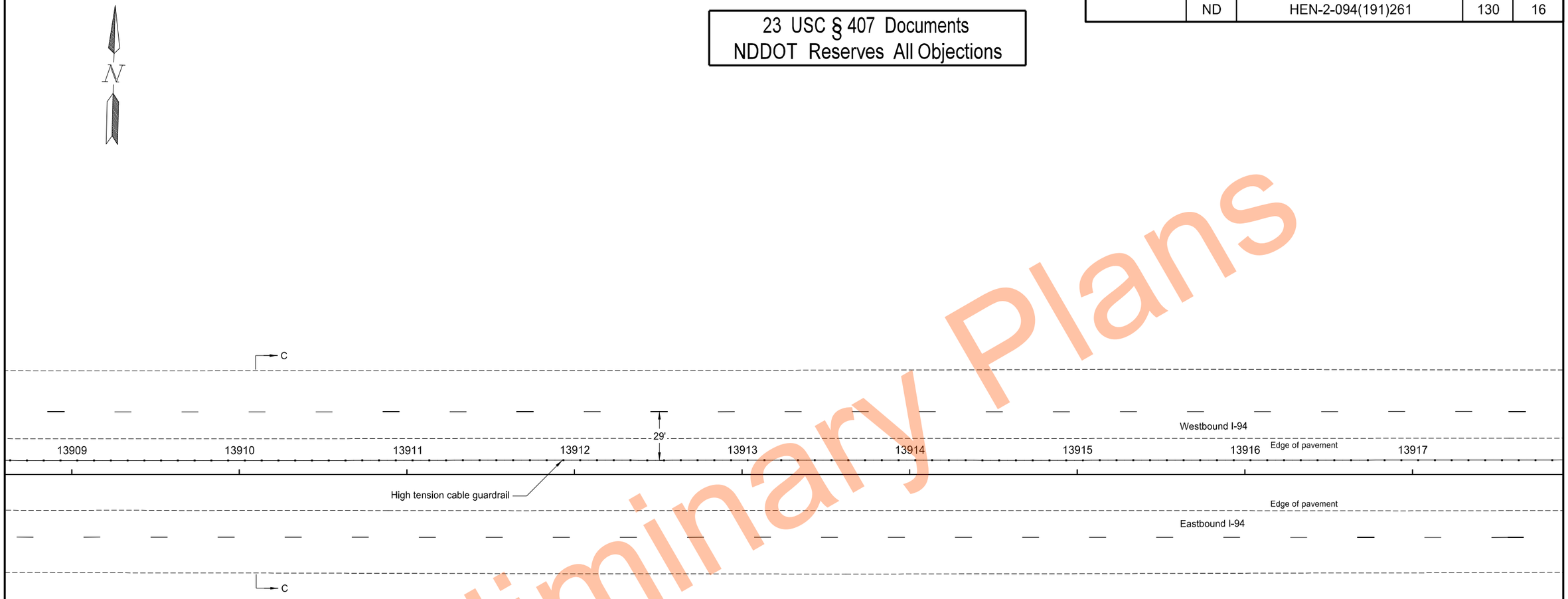
I-94 Median
E of Exit 260 to W of Oakes

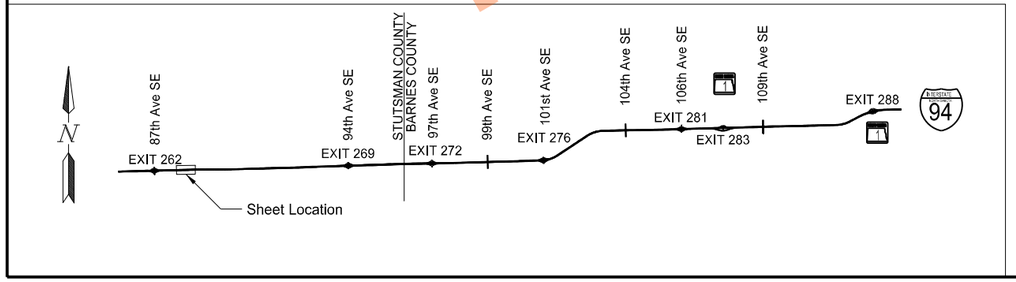
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	16

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13909+25.0 to Sta 13917+25.0

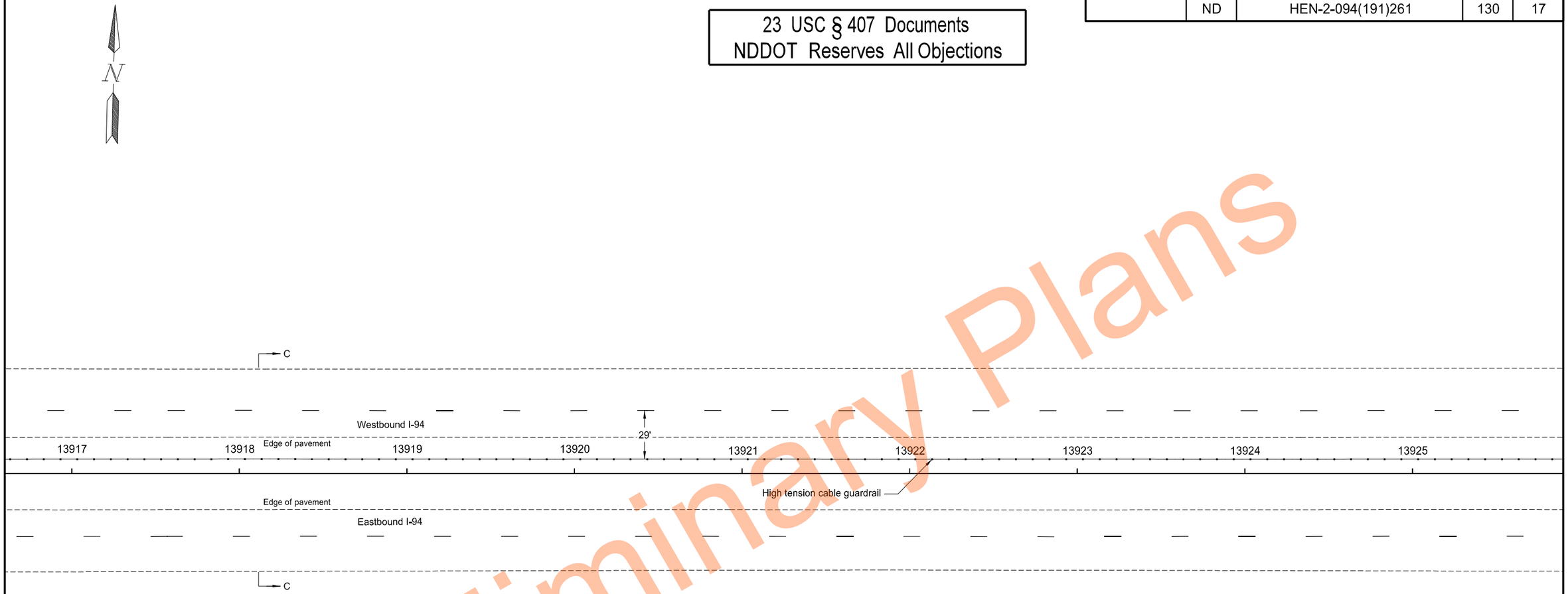
I-94 Median
E of Exit 260 to W of Oakes

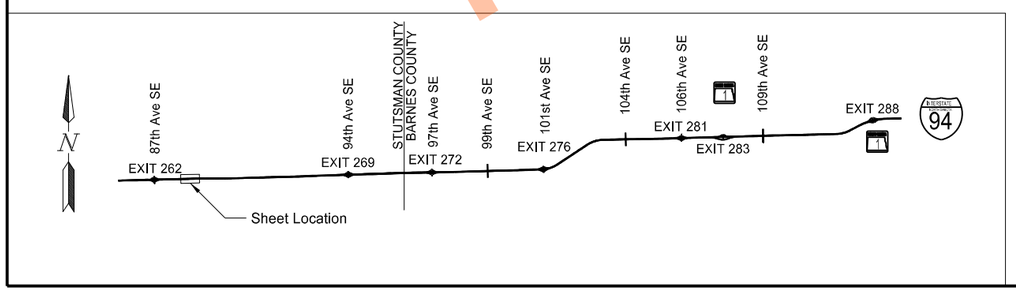
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	17

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13917+25.0 to Sta 13925+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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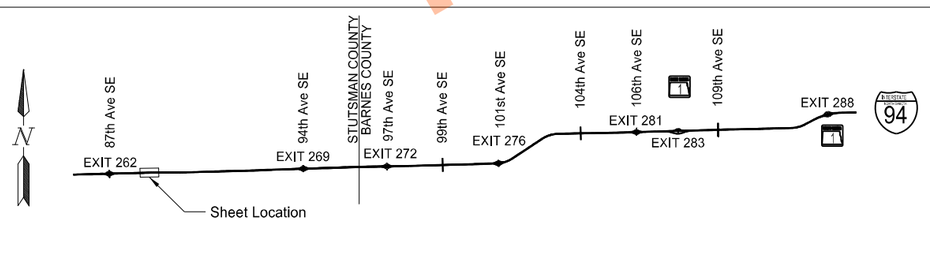
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	18

23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment C
Sta 13925+25.0 to Sta 13933+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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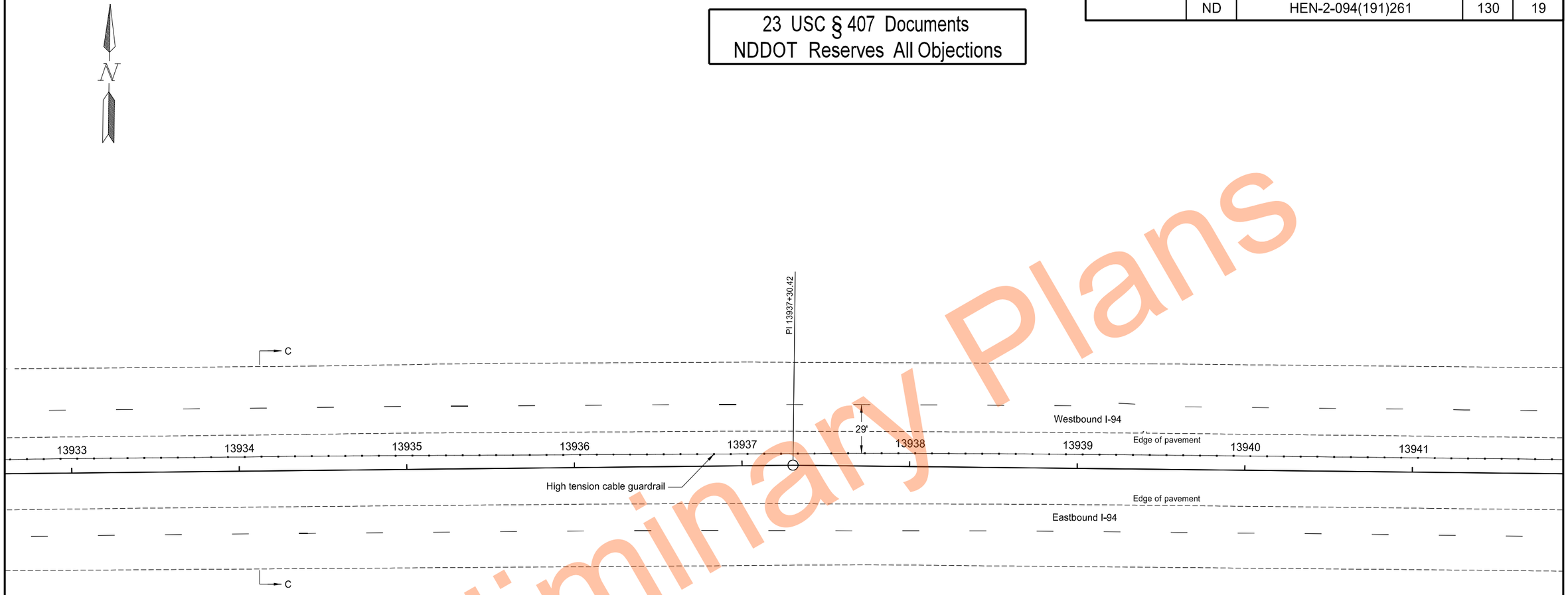
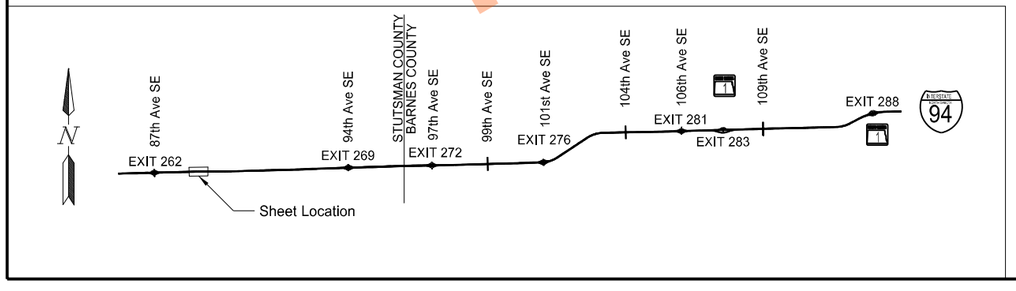
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	19

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13933+25.0 to Sta 13941+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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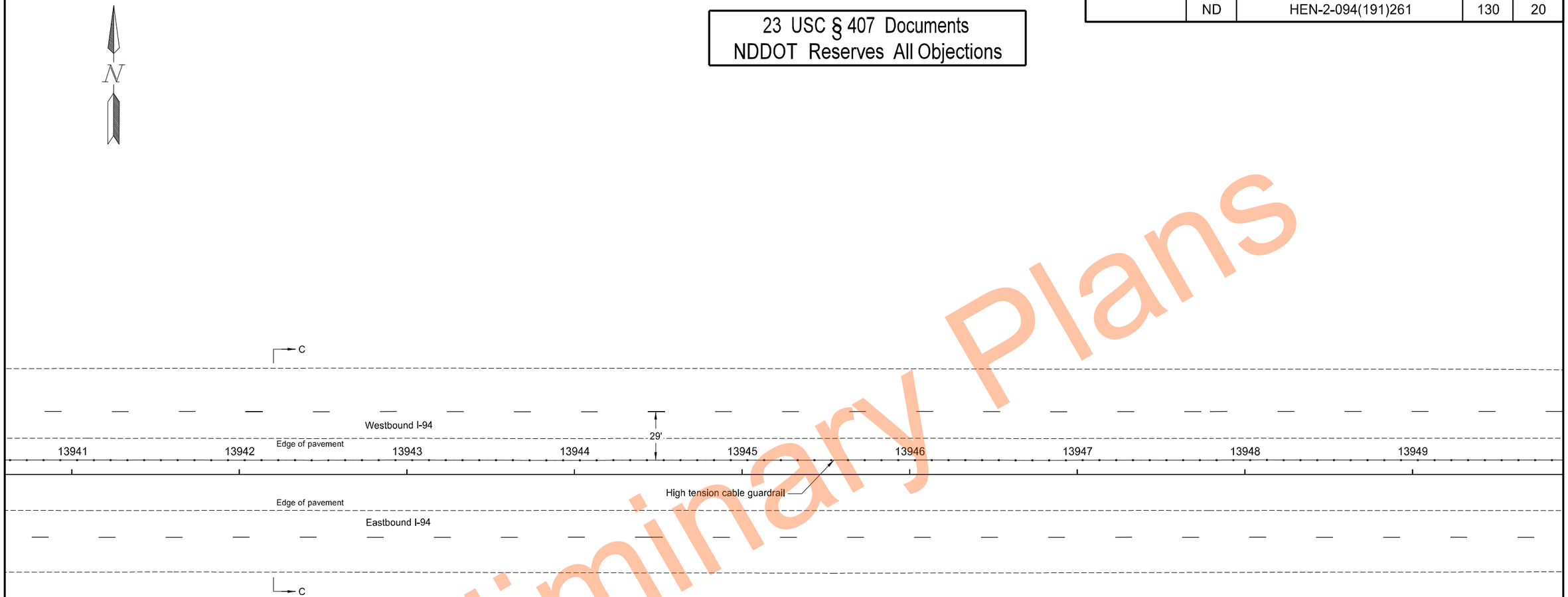
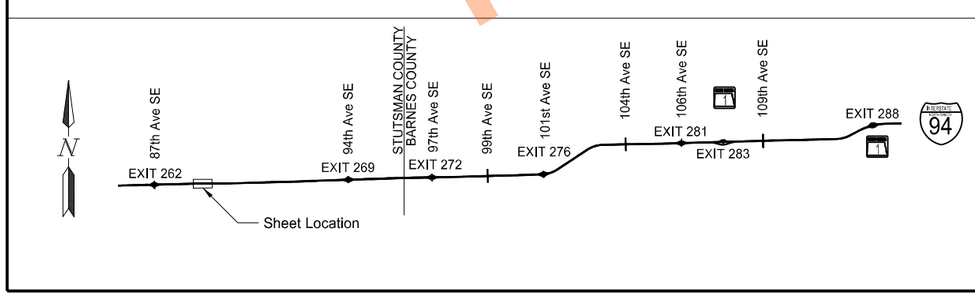
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	20

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13941+25.0 to Sta 13949+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

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23 USC § 407 Documents
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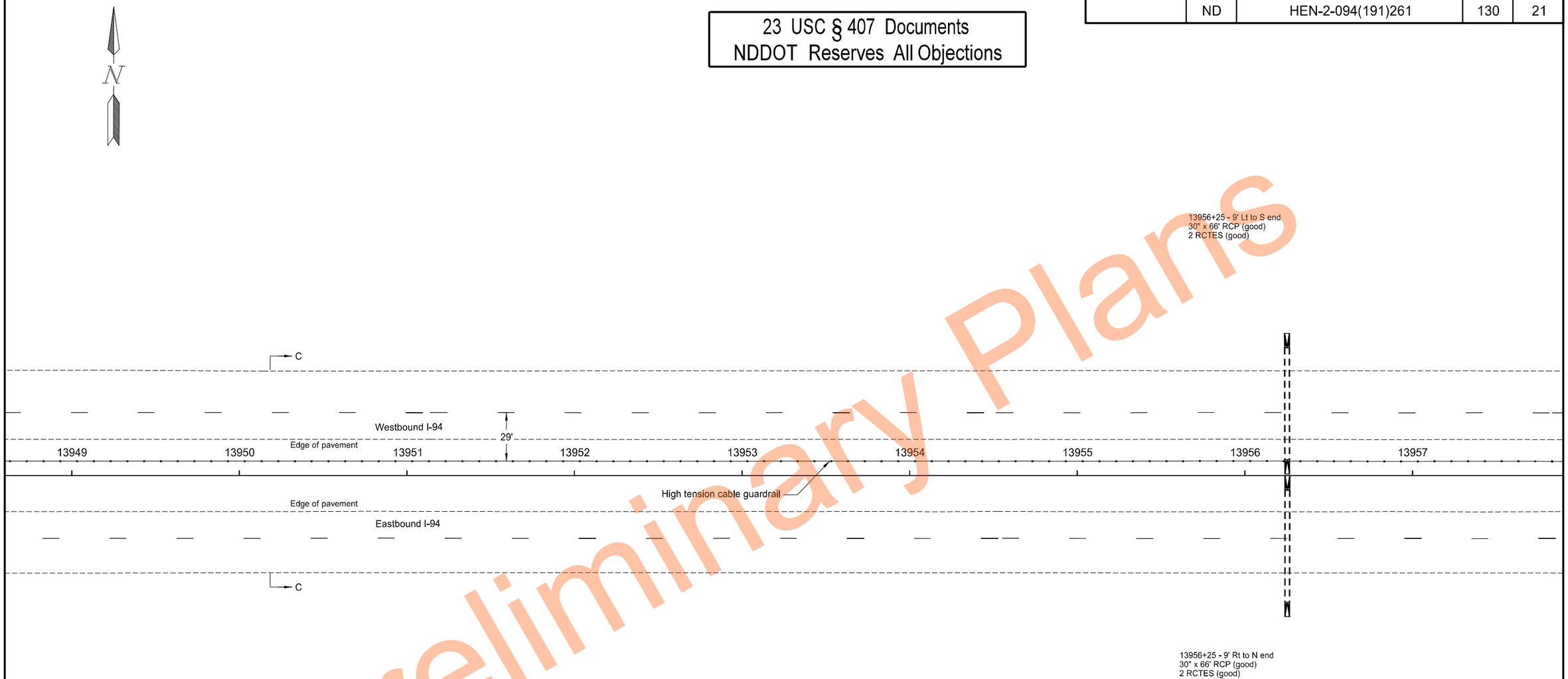

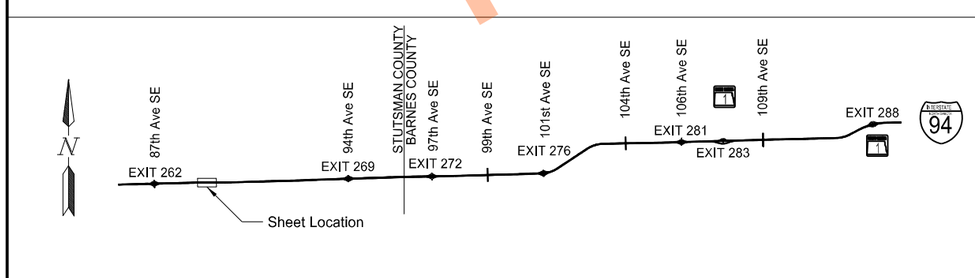

High Tension Median Cable Guardrail Layout

Segment C
Sta 13949+25.0 to Sta 13957+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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Preliminary Plans

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23 USC § 407 Documents
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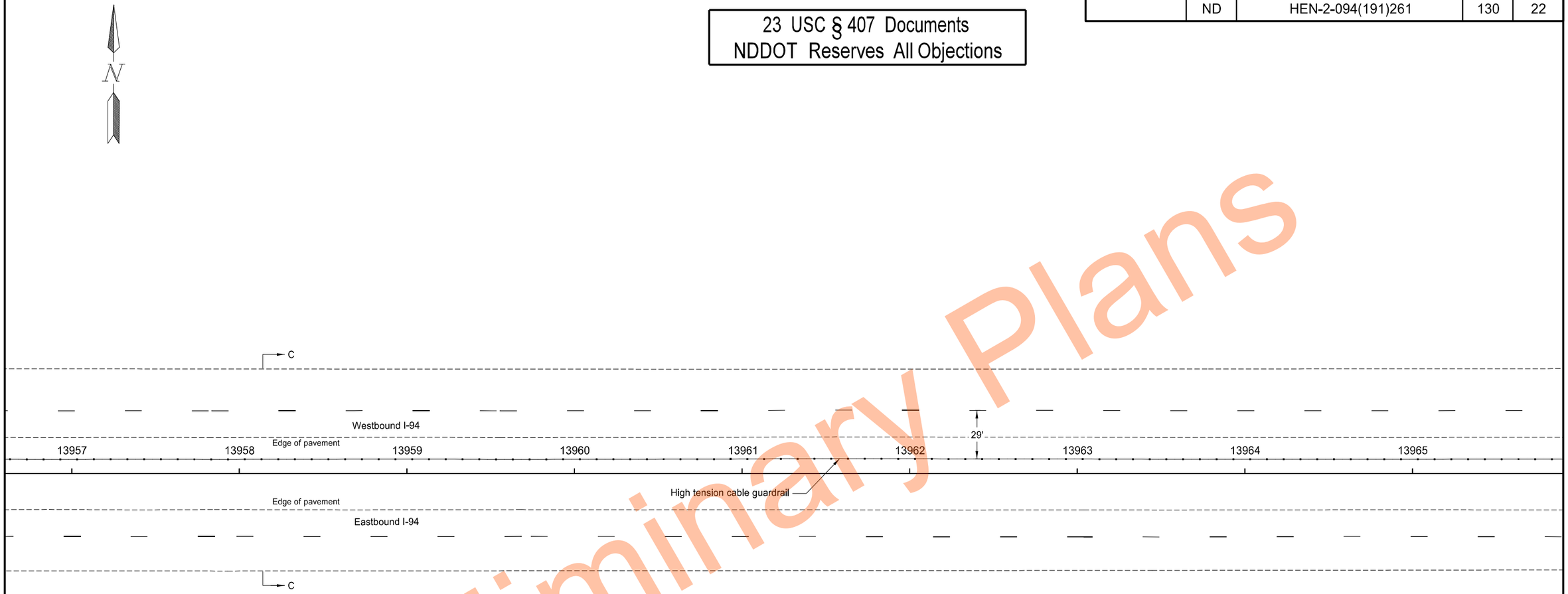

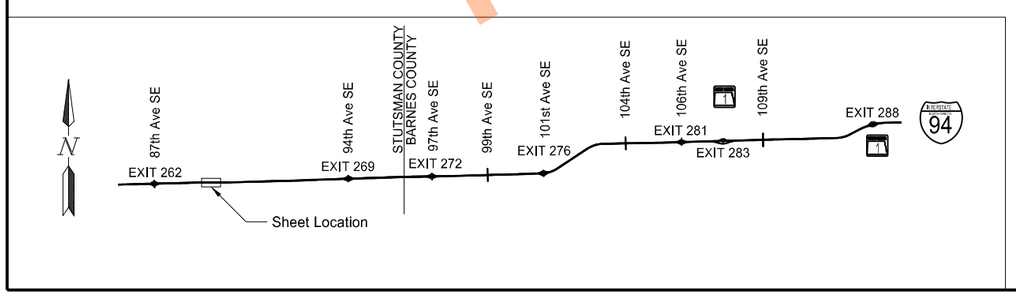

High Tension Median Cable Guardrail Layout

Segment C
Sta 13957+25.0 to Sta 13965+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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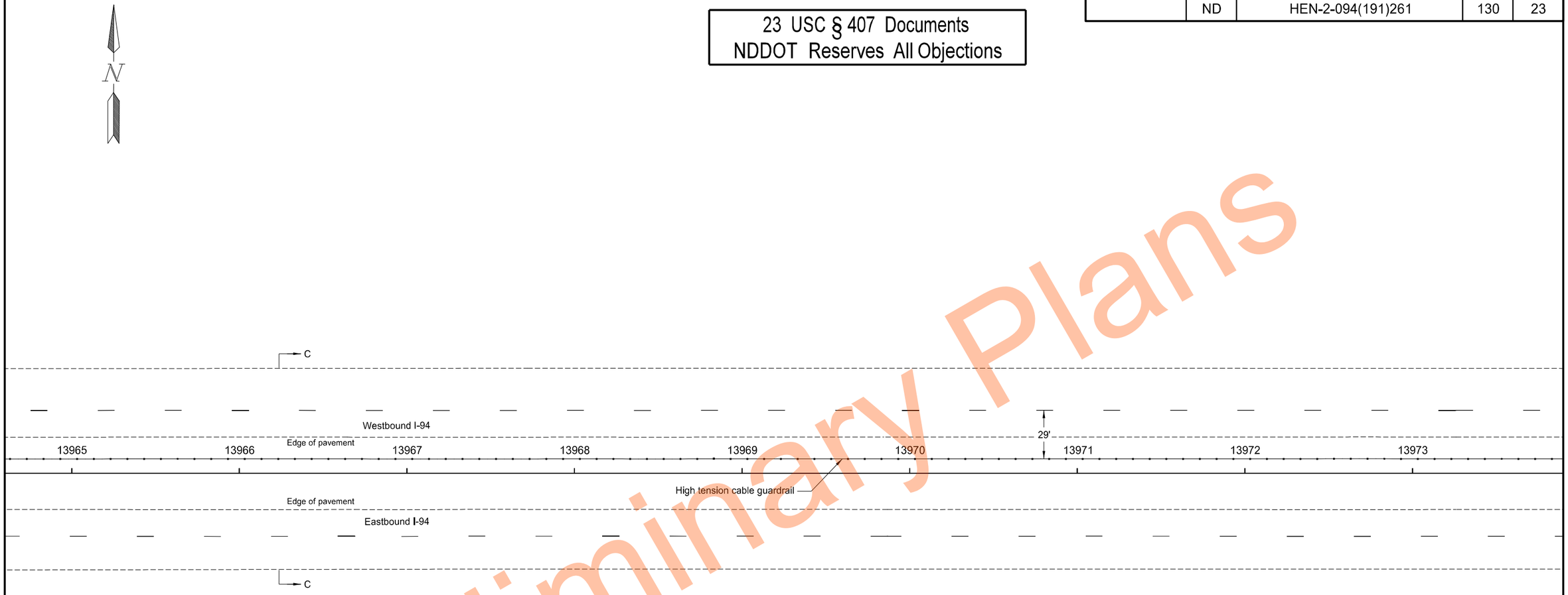
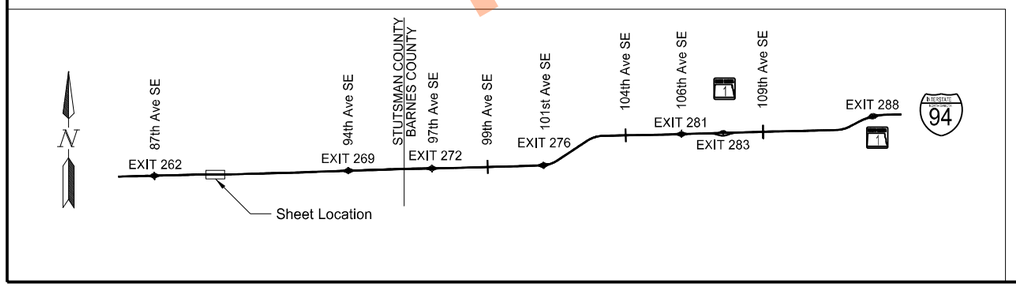
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	23

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13965+25.0 to Sta 13973+25.0

I-94 Median
E of Exit 260 to W of Oakes

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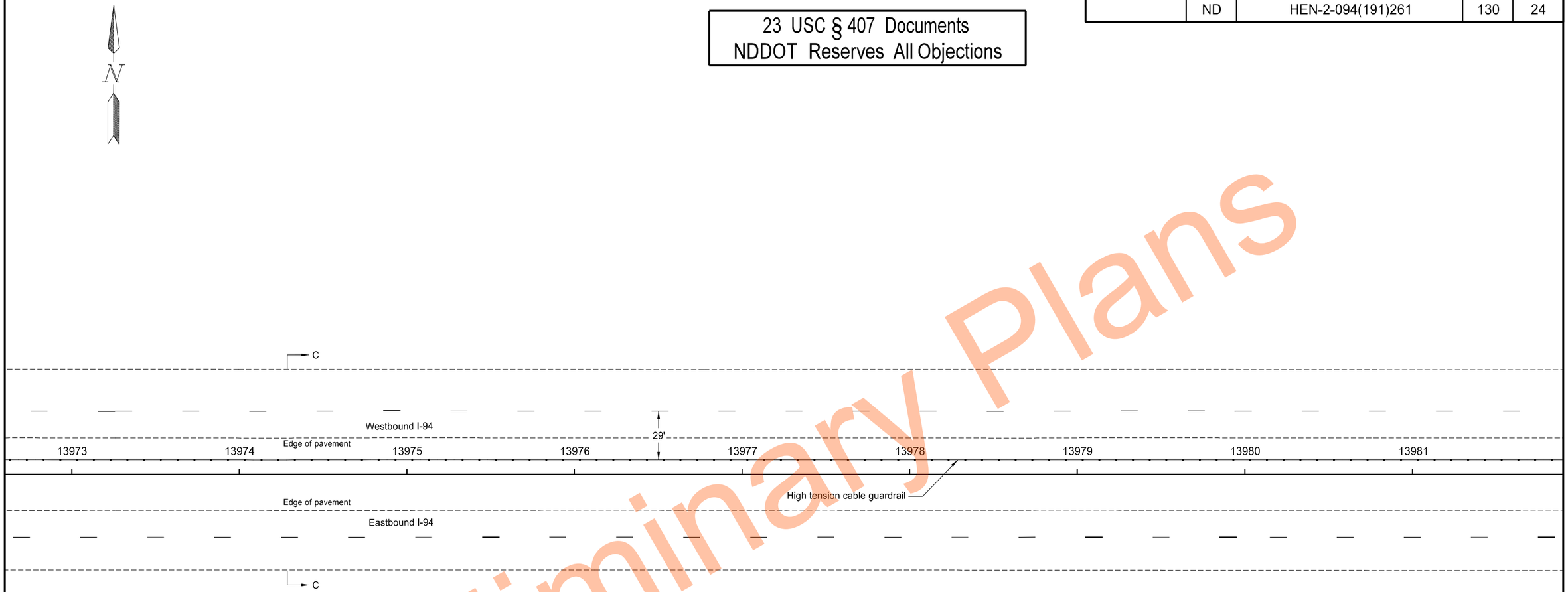
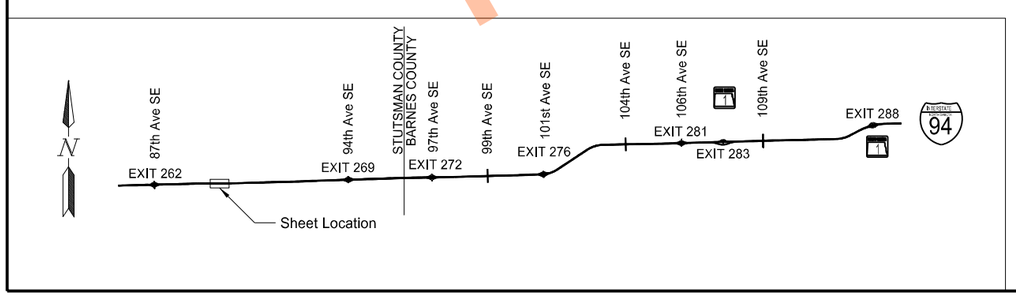
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13973+25.0 to Sta 13981+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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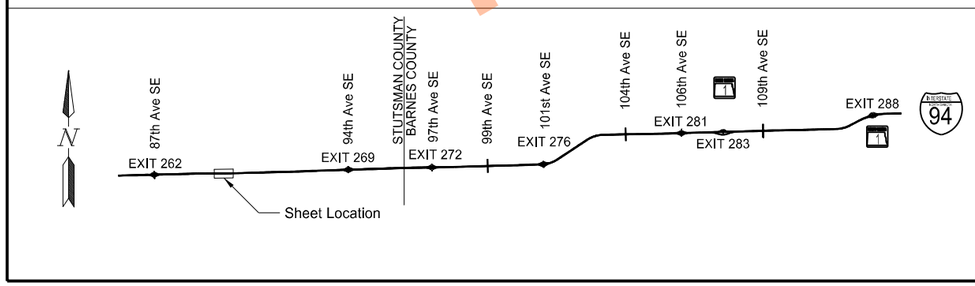
23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment C
Sta 13981+25.0 to Sta 13989+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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DATE 11/17/2023
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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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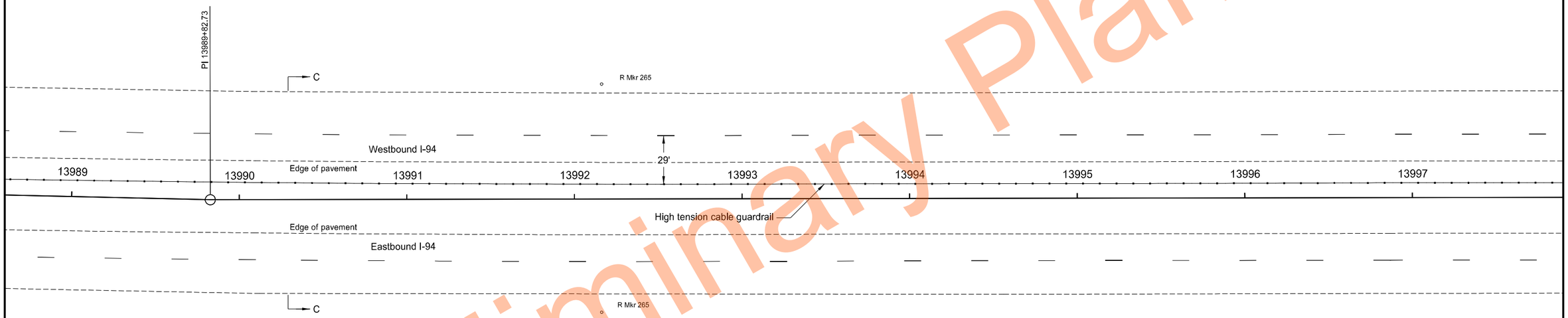
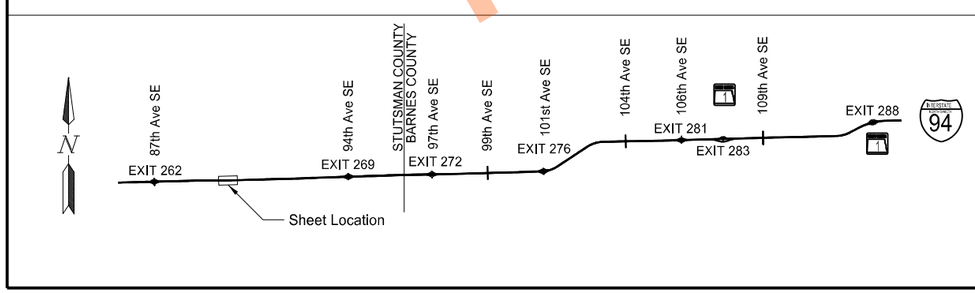
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13989+25.0 to Sta 13997+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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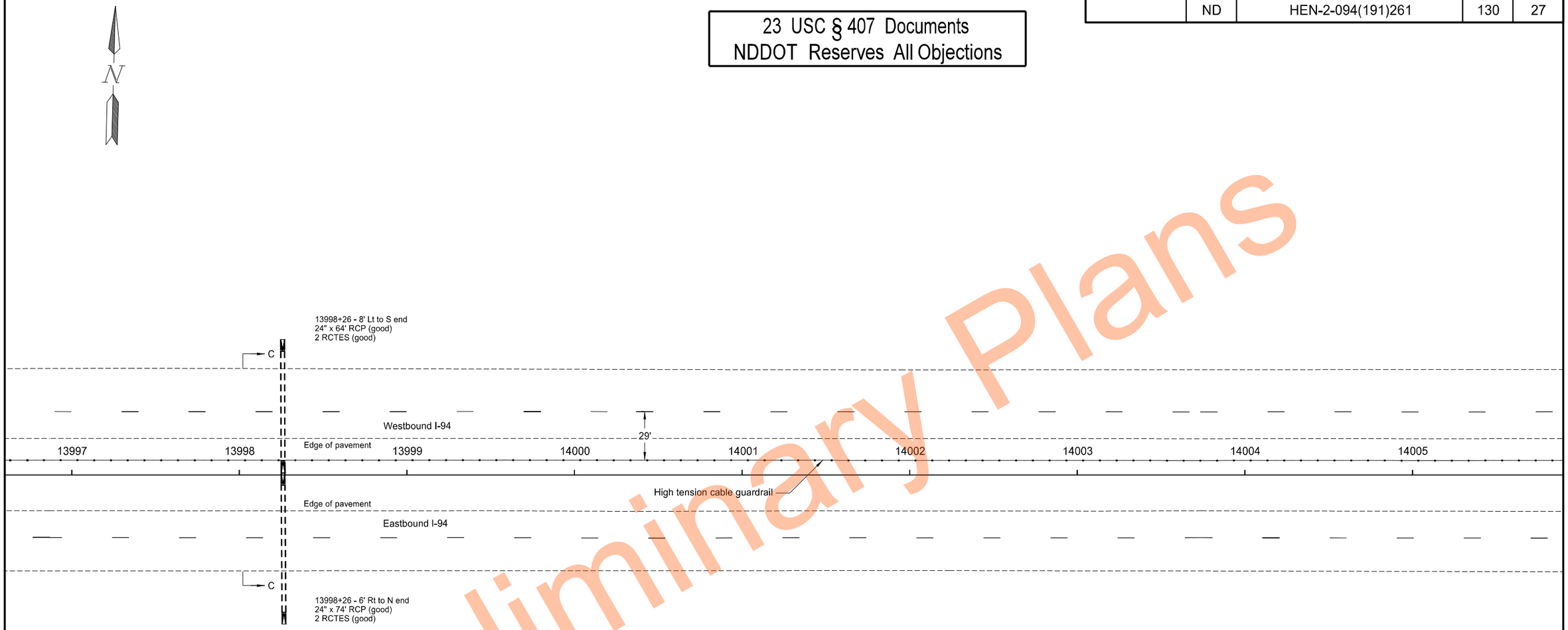
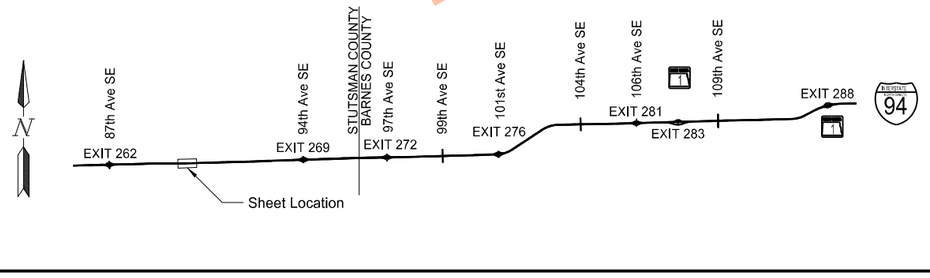
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment C
Sta 13997+25.0 to Sta 14005+25.0

I-94 Median
E of Exit 260 to W of Oakes

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	28

23 USC § 407 Documents
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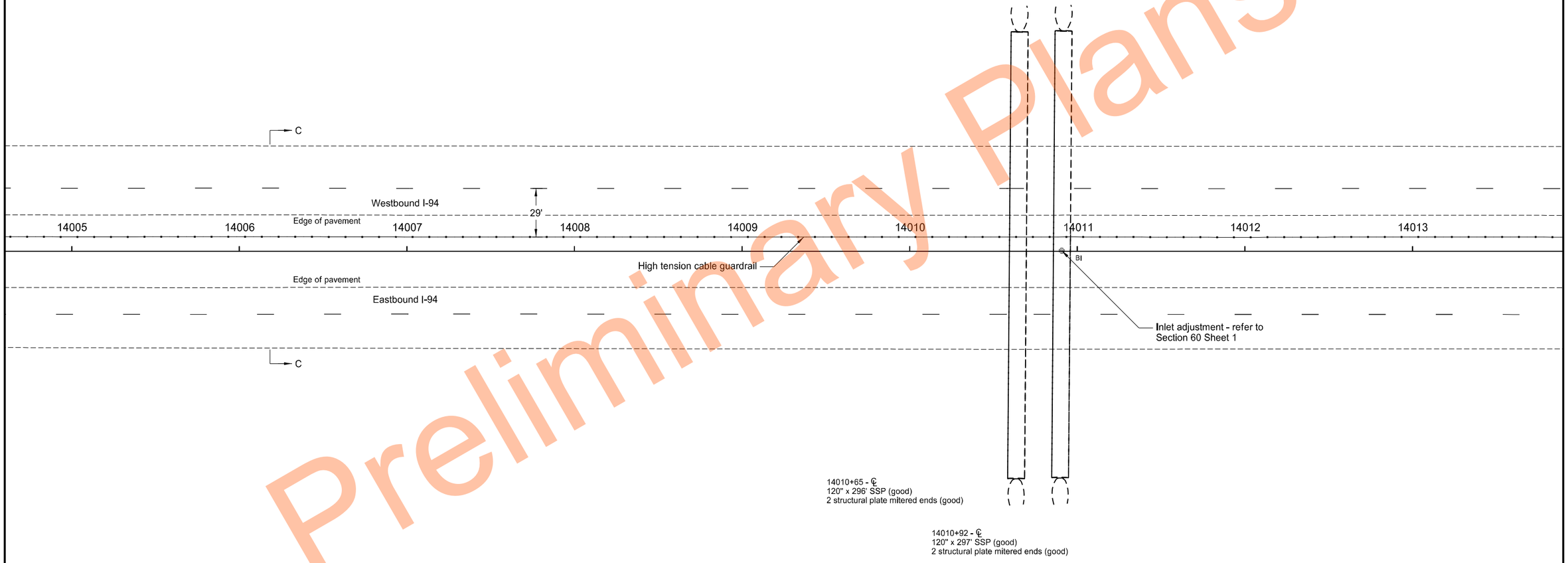

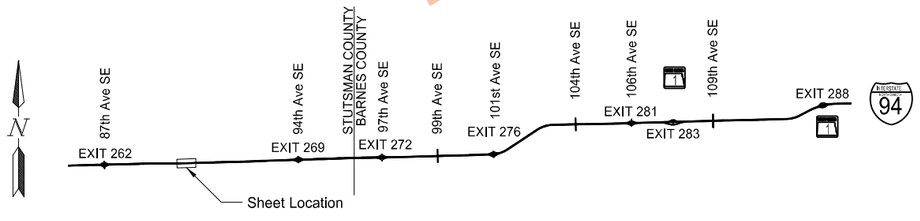

High Tension Median Cable Guardrail Layout

Segment C
Sta 14005+25.0 to Sta 14013+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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23 USC § 407 Documents
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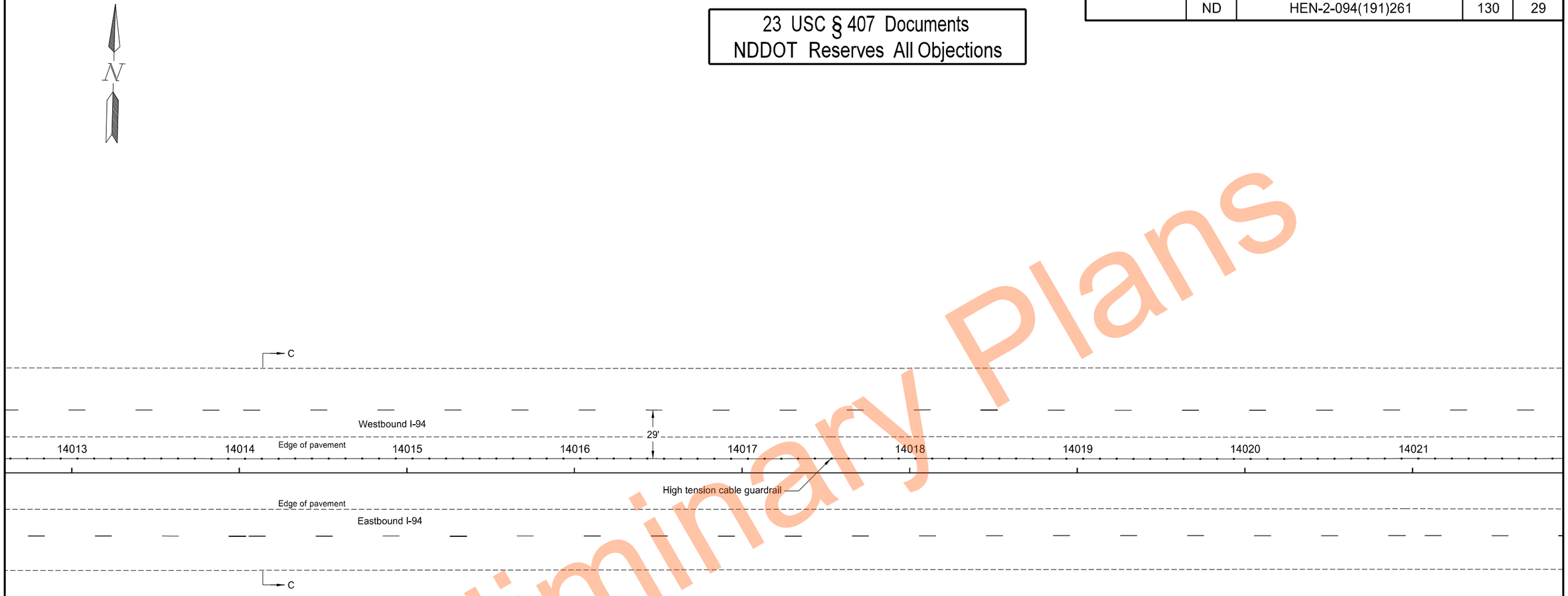

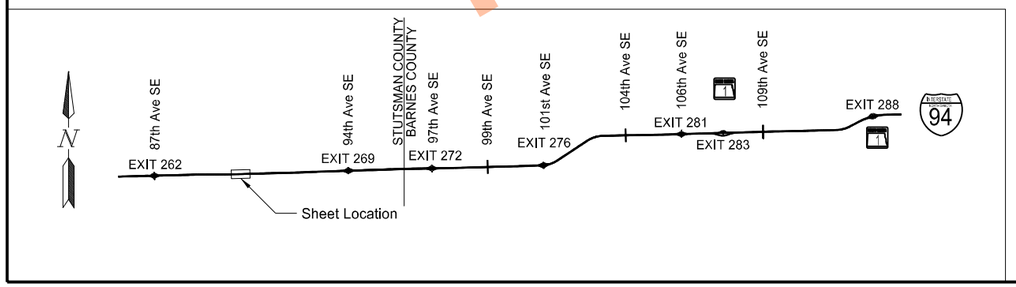

High Tension Median Cable Guardrail Layout

Segment C
Sta 14013+25.0 to Sta 14021+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
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NORTH DAKOTA

Preliminary Plans

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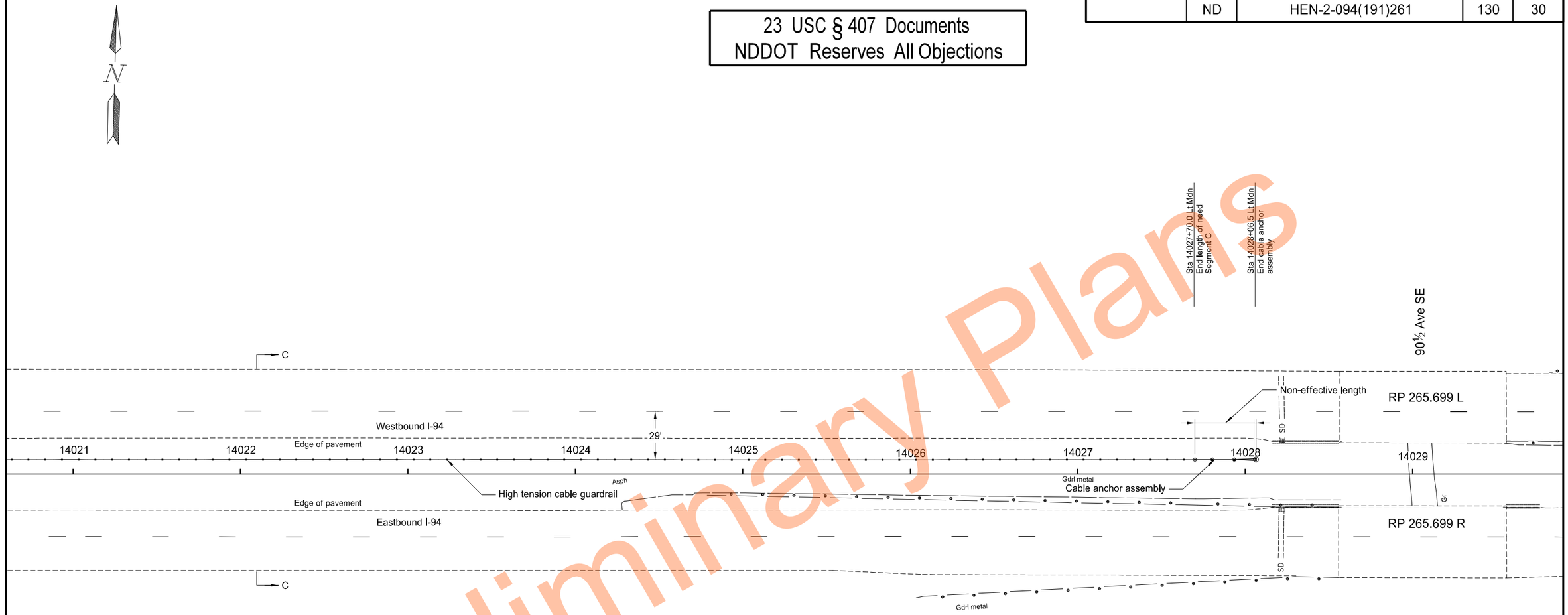
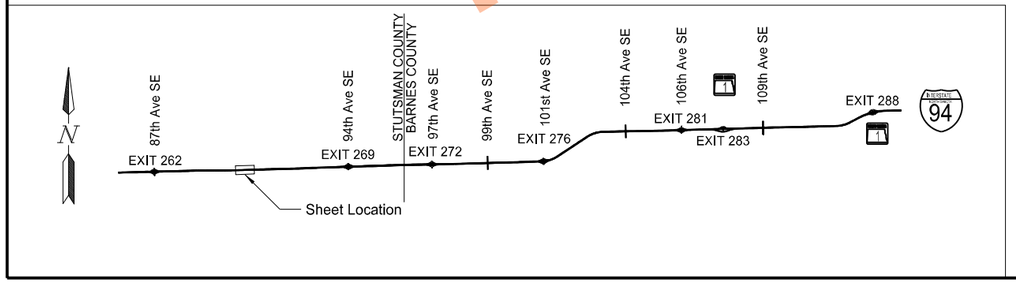
23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment C
Sta 14021+25.0 to Sta 14025+51.0

I-94 Median
E of Exit 260 to W of Oakes

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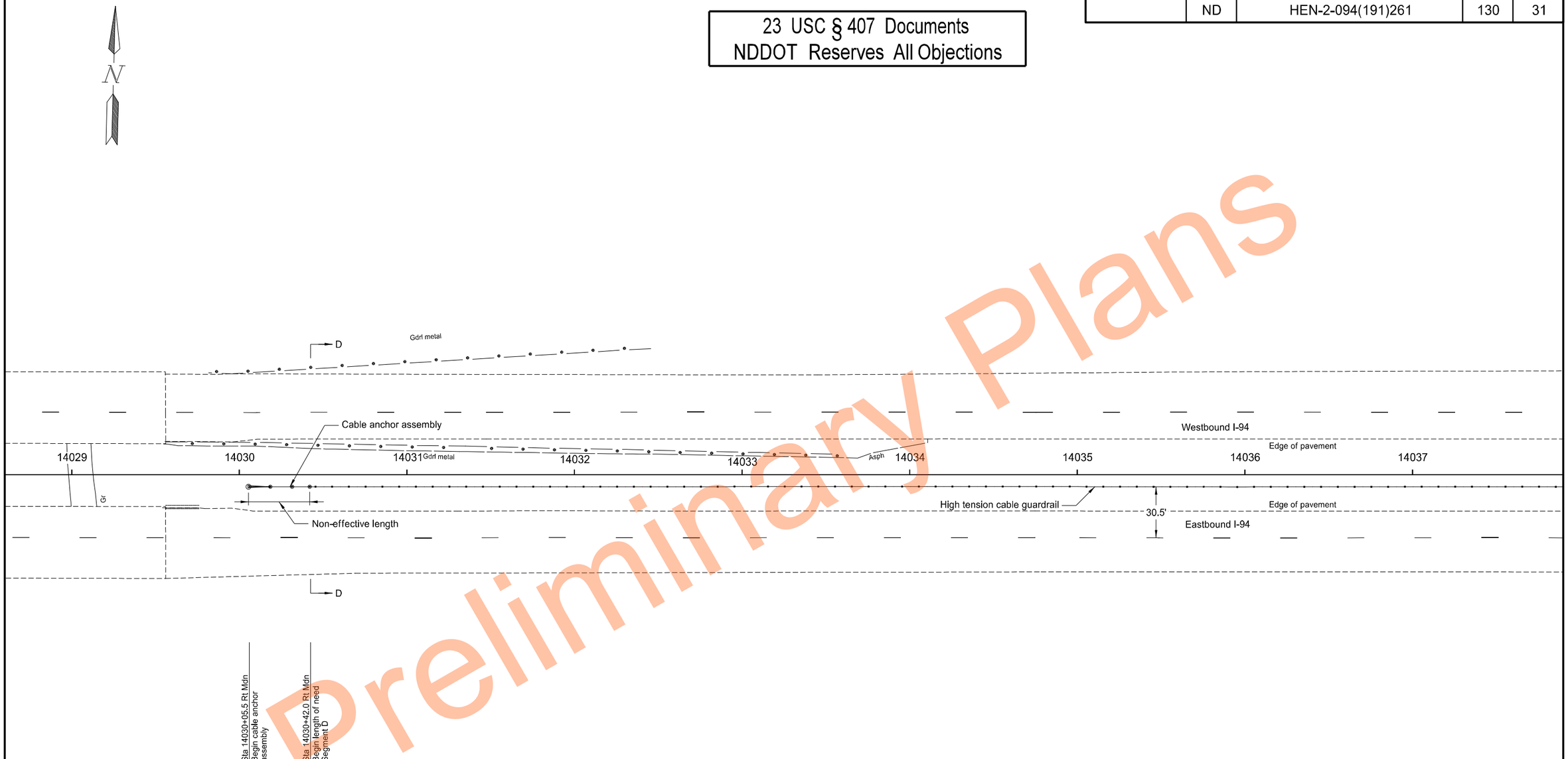
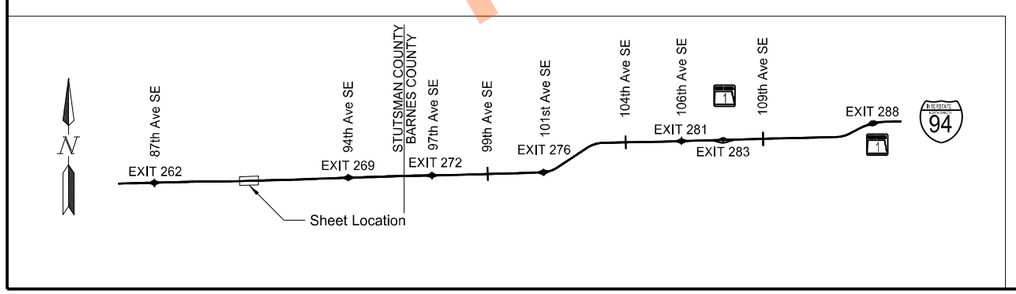
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment D
Sta 14032+86.0 to Sta 14037+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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PE-27393
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Preliminary Plans

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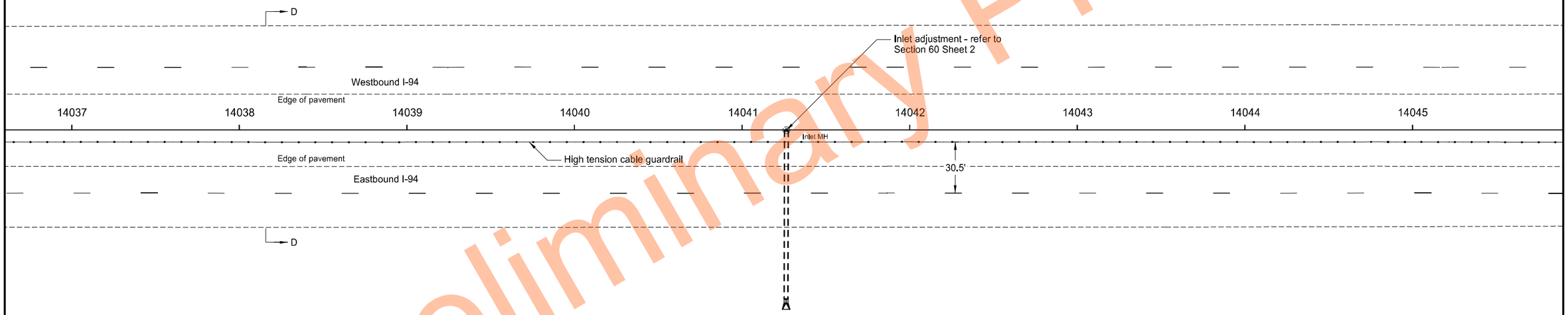
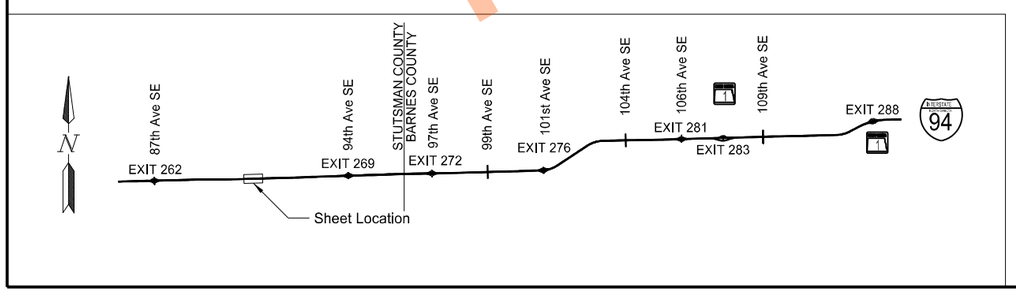
23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment D
Sta 14037+25.0 to Sta 14045+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
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23 USC § 407 Documents
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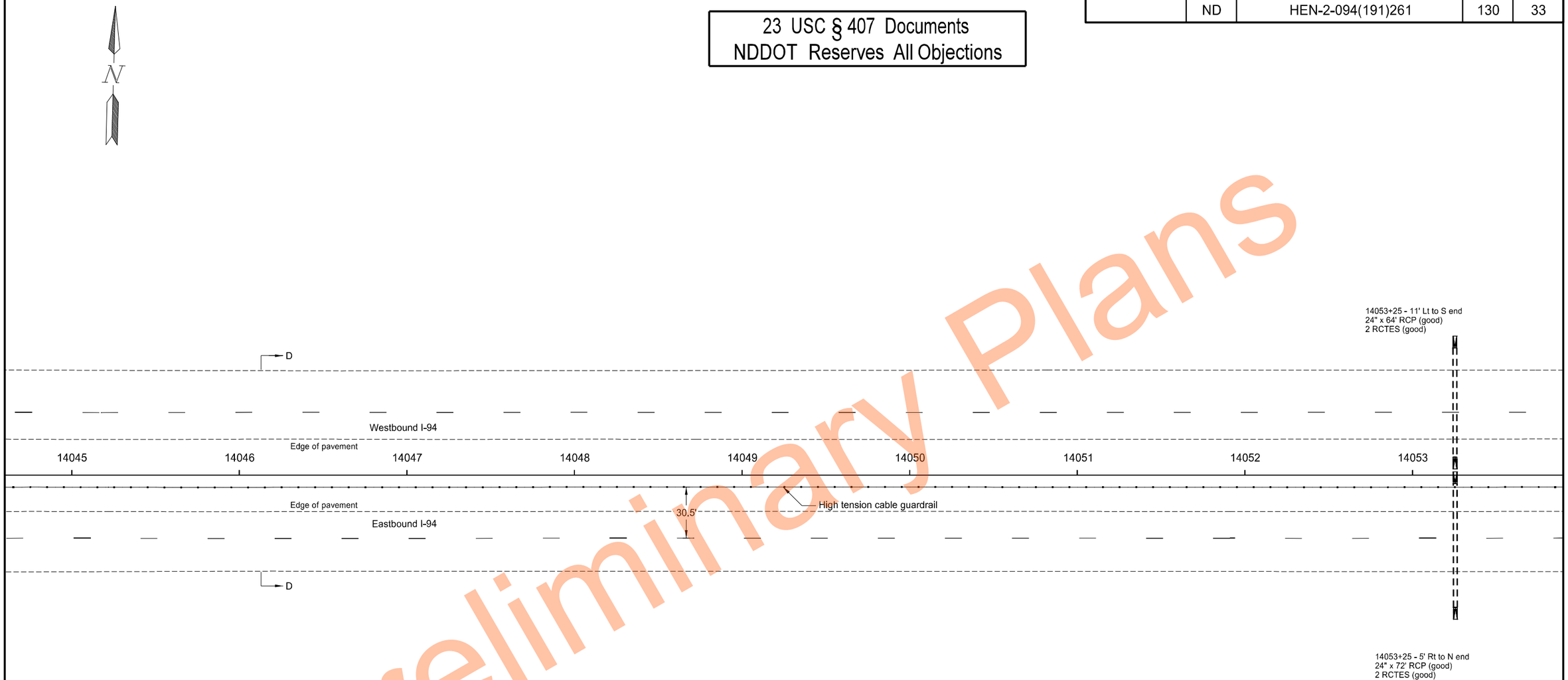

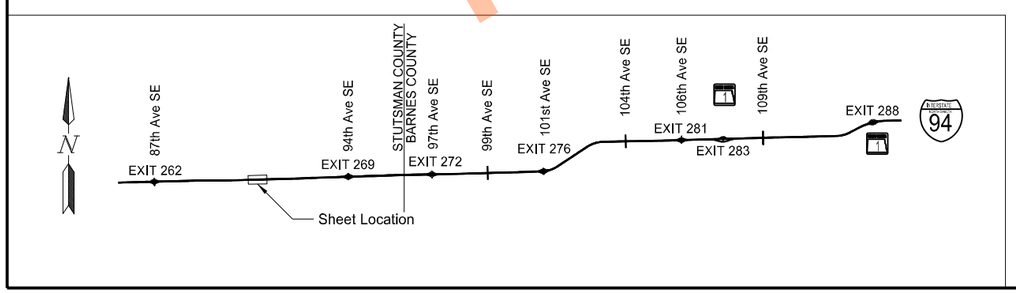

High Tension Median Cable Guardrail Layout

Segment D
Sta 14045+25.0 to Sta 14053+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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Preliminary Plans

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23 USC § 407 Documents
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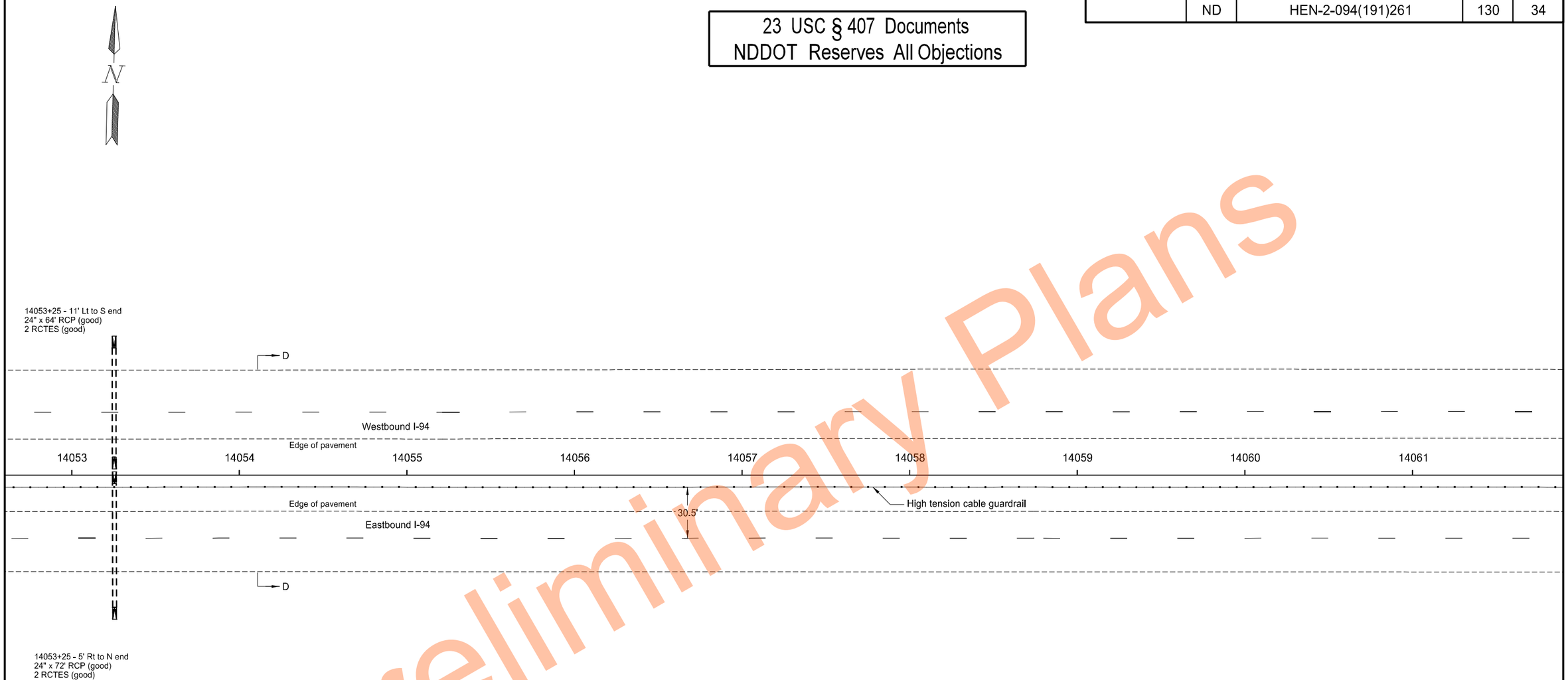

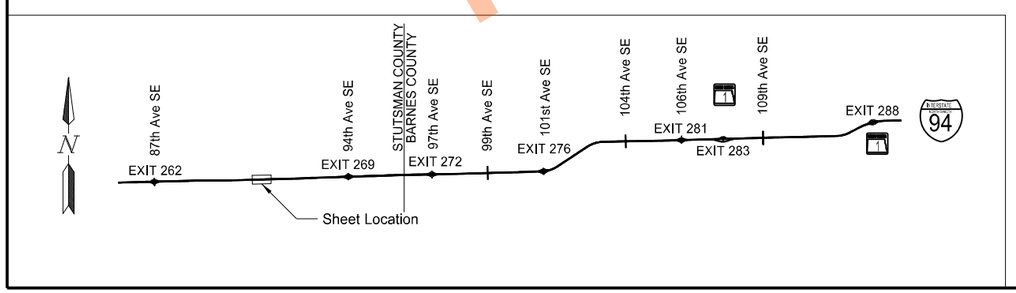

High Tension Median Cable Guardrail Layout

Segment D
Sta 14053+25.0 to Sta 14061+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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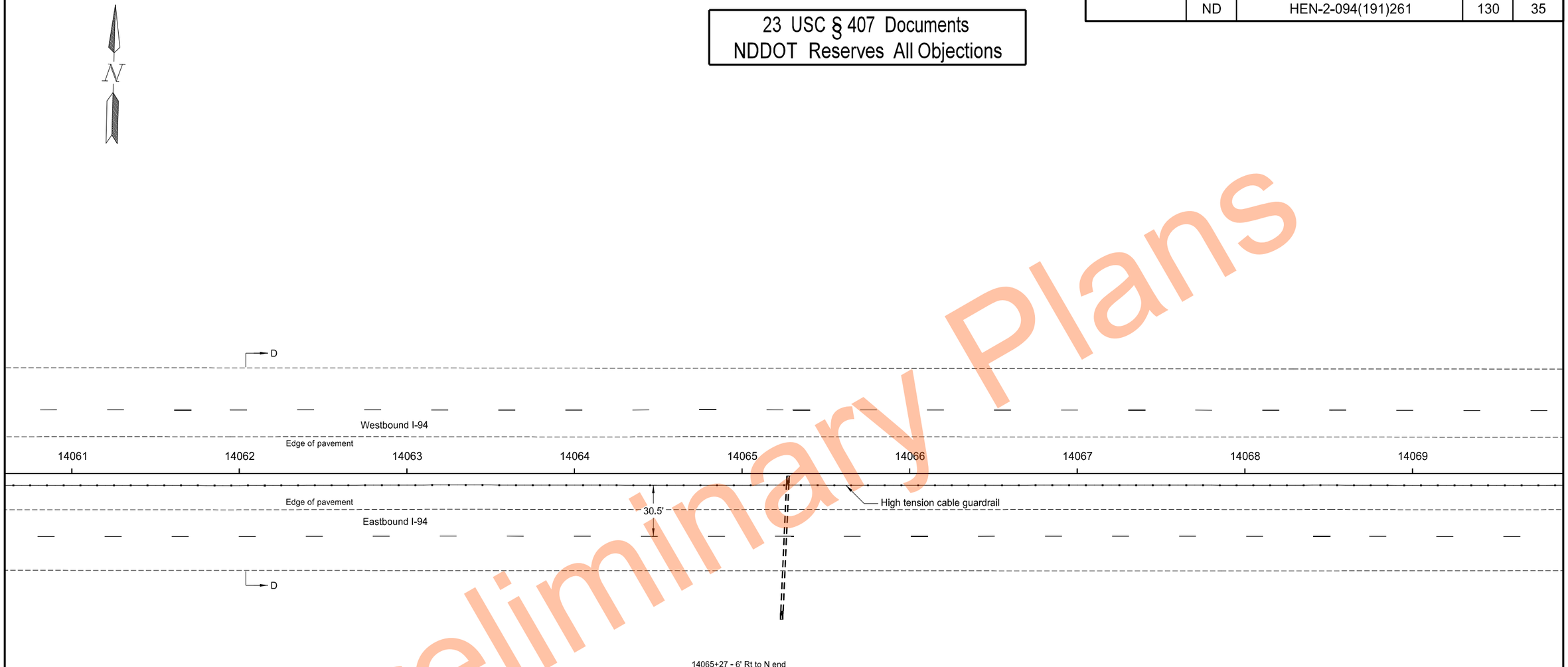
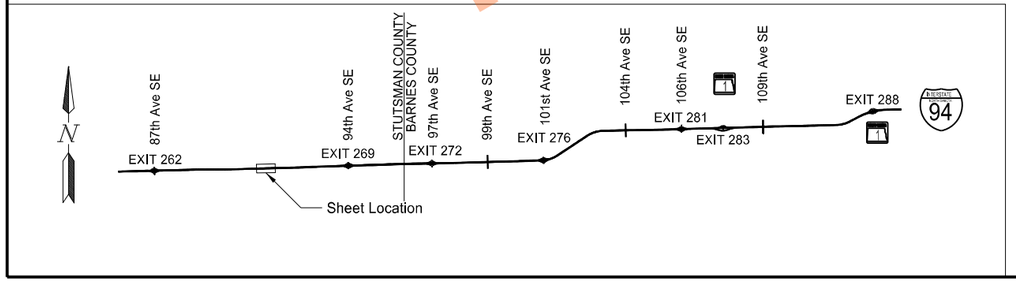
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment D
Sta 14061+25.0 to Sta 14069+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	36

23 USC § 407 Documents
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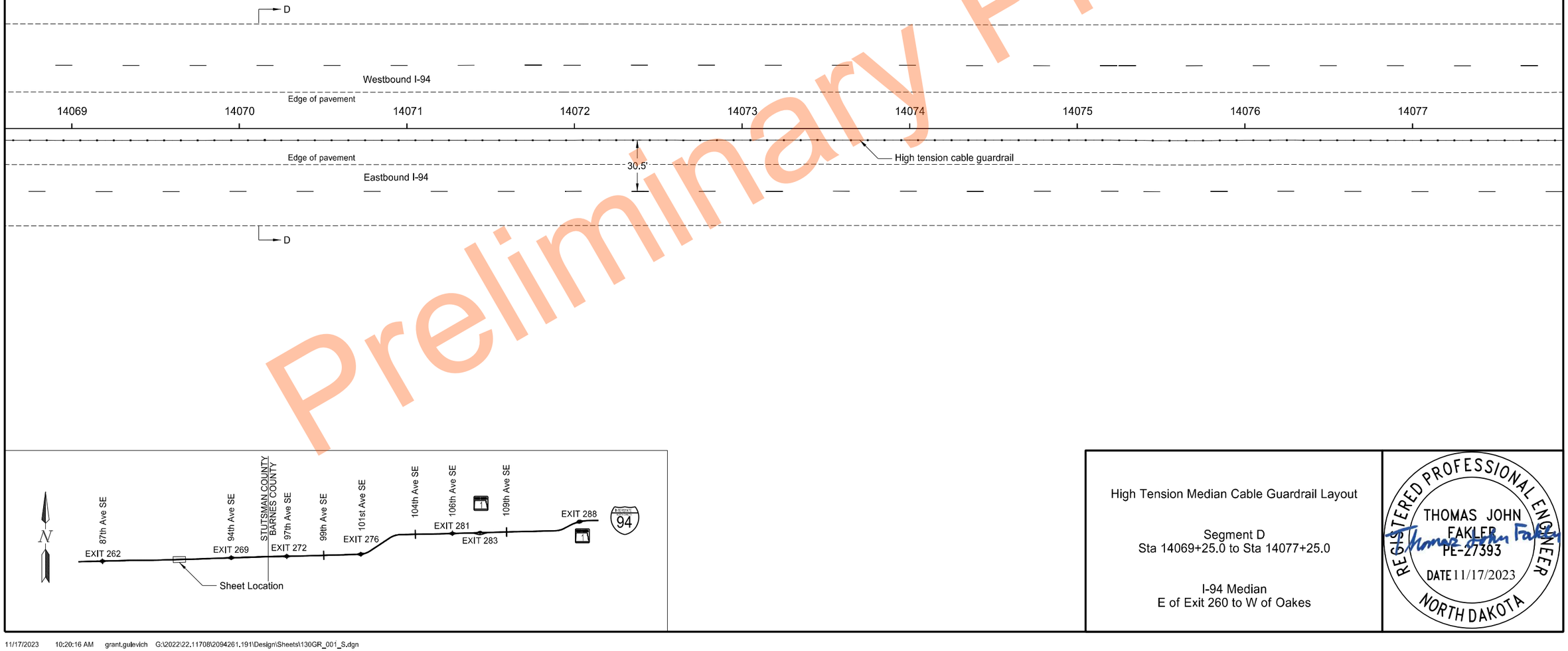
Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment D
Sta 14069+25.0 to Sta 14077+25.0

I-94 Median
E of Exit 260 to W of Oakes

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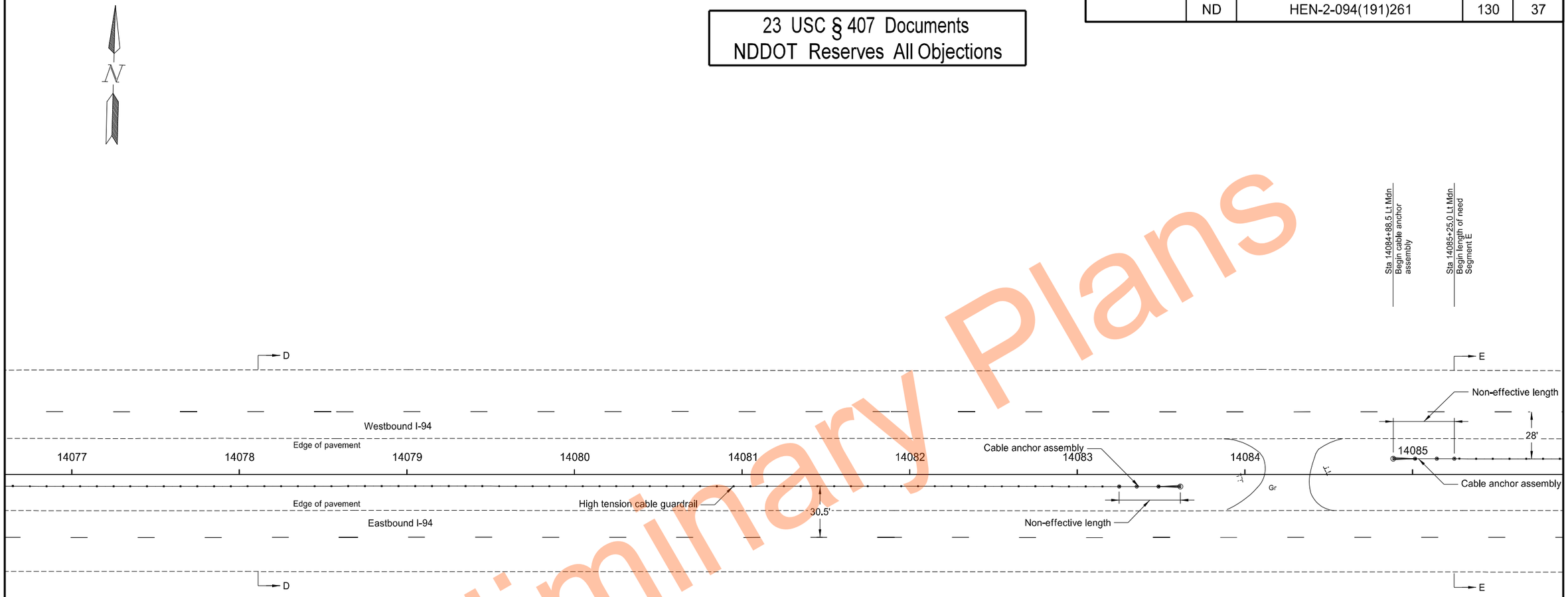
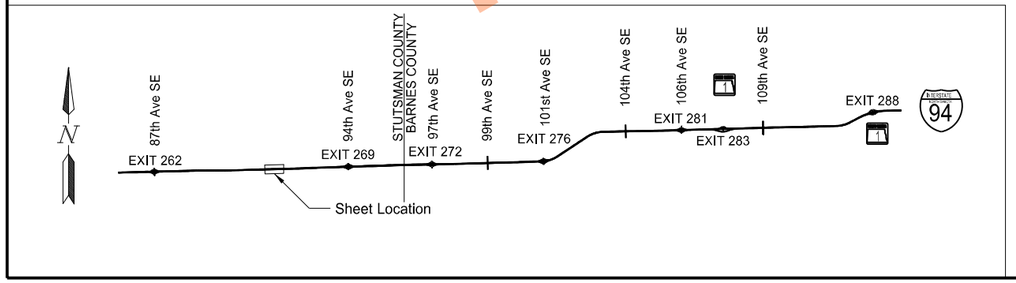
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	37

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment D
Sta 14077+25.0 to Sta 14083+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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Preliminary Plans

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	38

23 USC § 407 Documents
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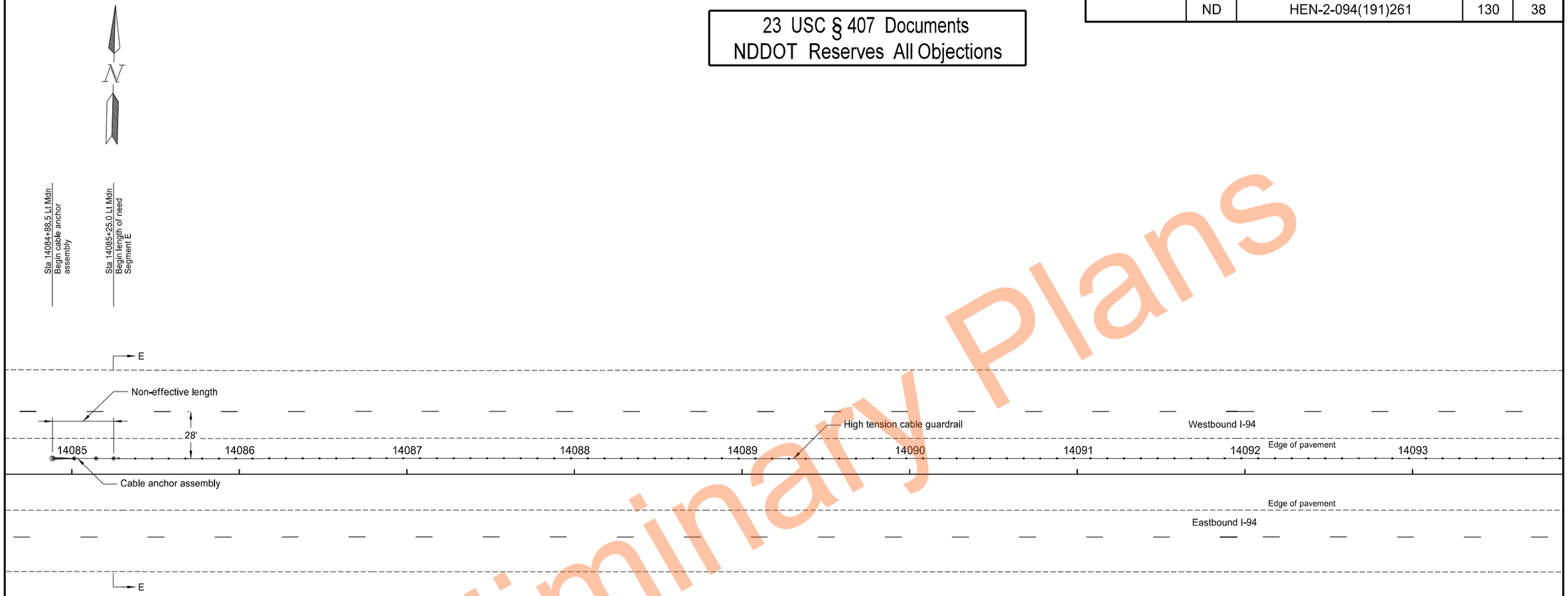

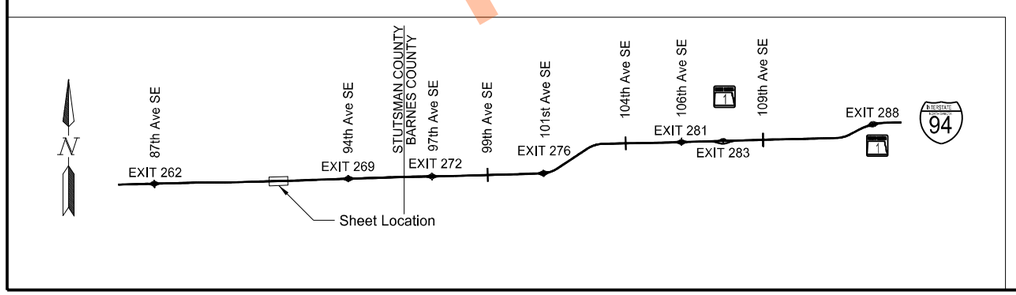

High Tension Median Cable Guardrail Layout

Segment E
Sta 14085+25.0 to Sta 14093+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
PE-27393
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	39

23 USC § 407 Documents
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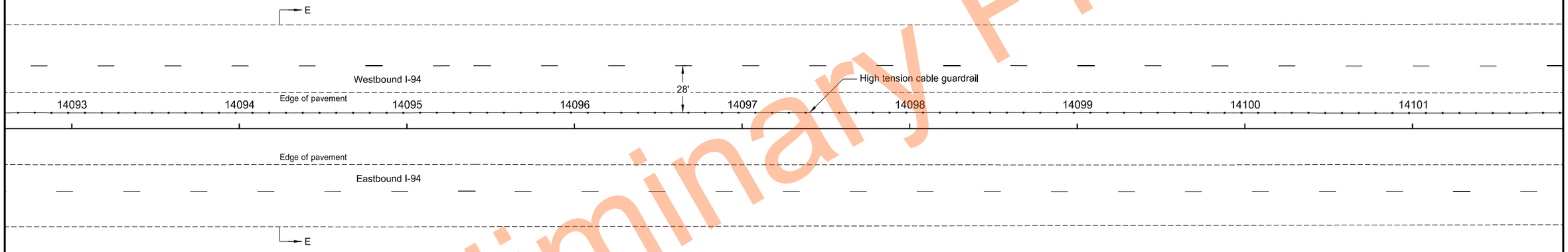

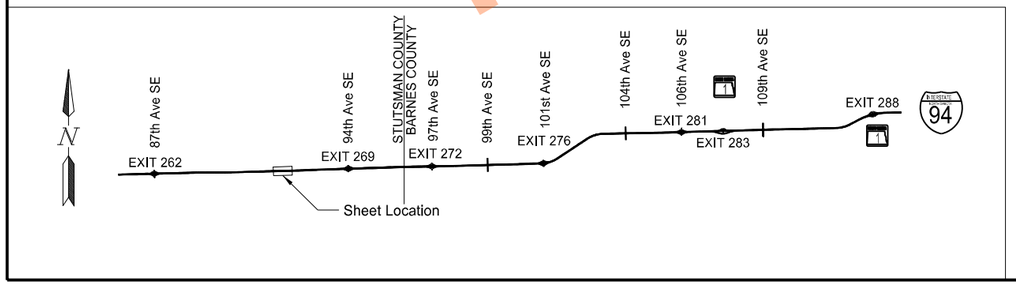

High Tension Median Cable Guardrail Layout

Segment E
Sta 14093+25.0 to Sta 14101+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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23 USC § 407 Documents
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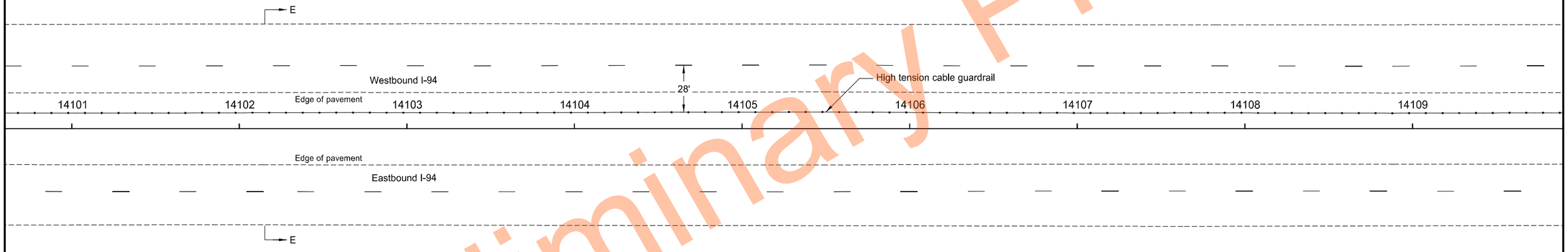

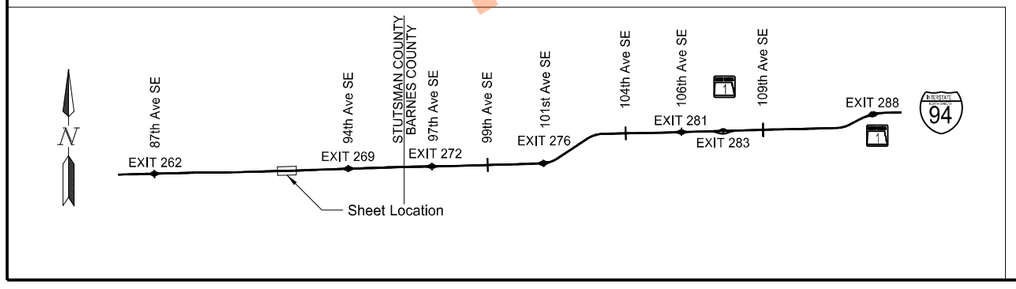

High Tension Median Cable Guardrail Layout

Segment E
Sta 14101+25.0 to Sta 14109+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	41

23 USC § 407 Documents
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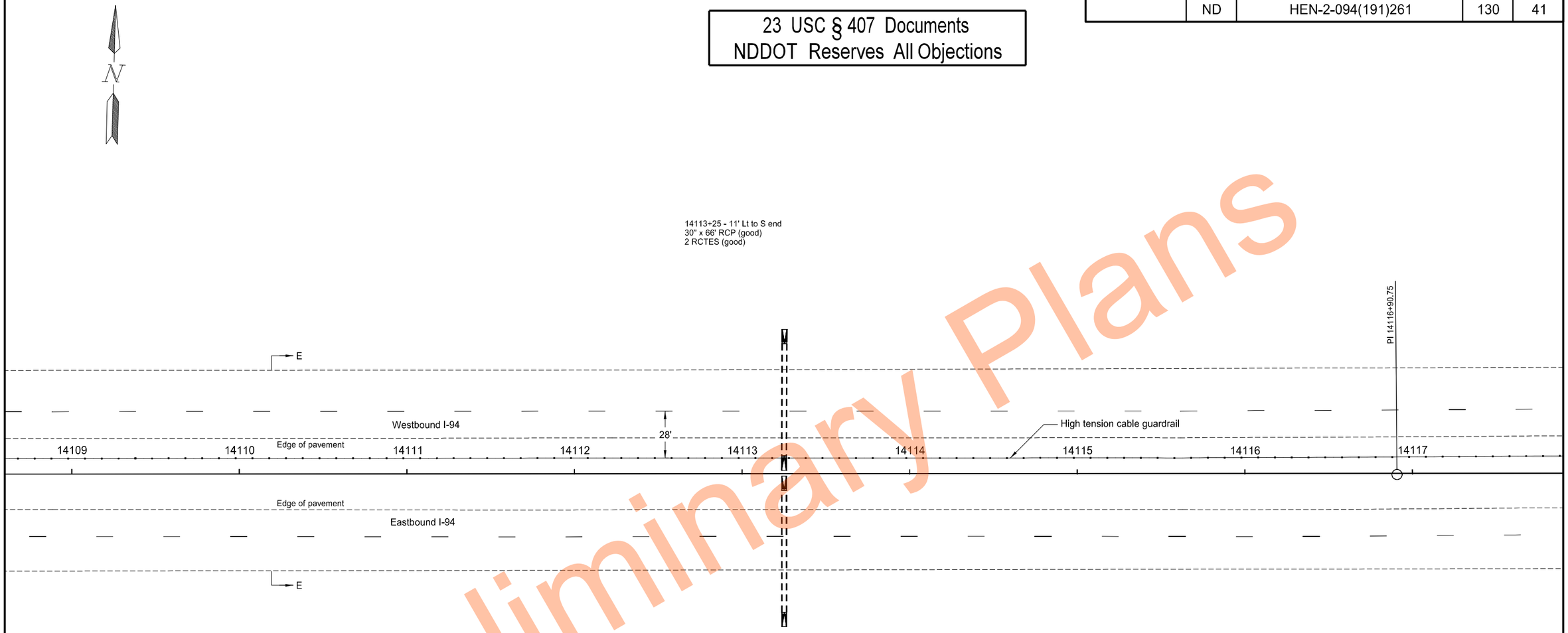

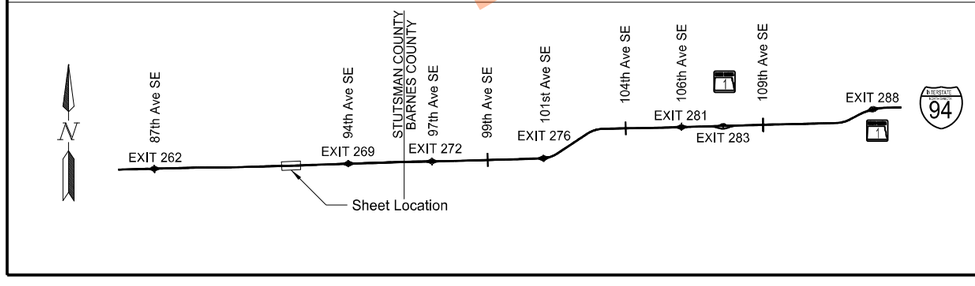

High Tension Median Cable Guardrail Layout

Segment E
Sta 14109+25.0 to Sta 14117+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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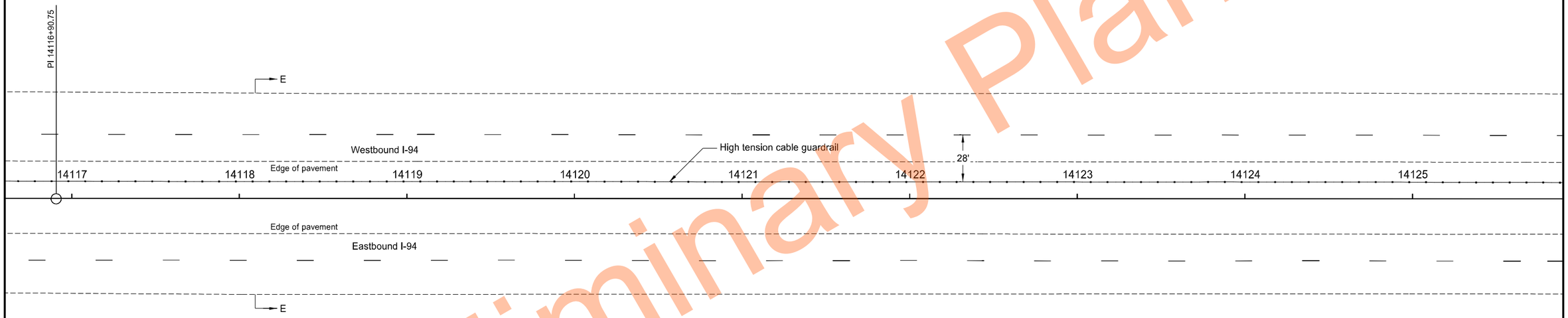
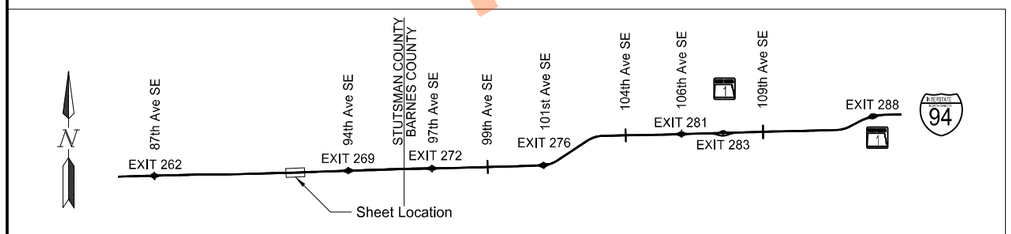
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment E
Sta 14117+25.0 to Sta 14125+25.0

I-94 Median
E of Exit 260 to W of Oakes

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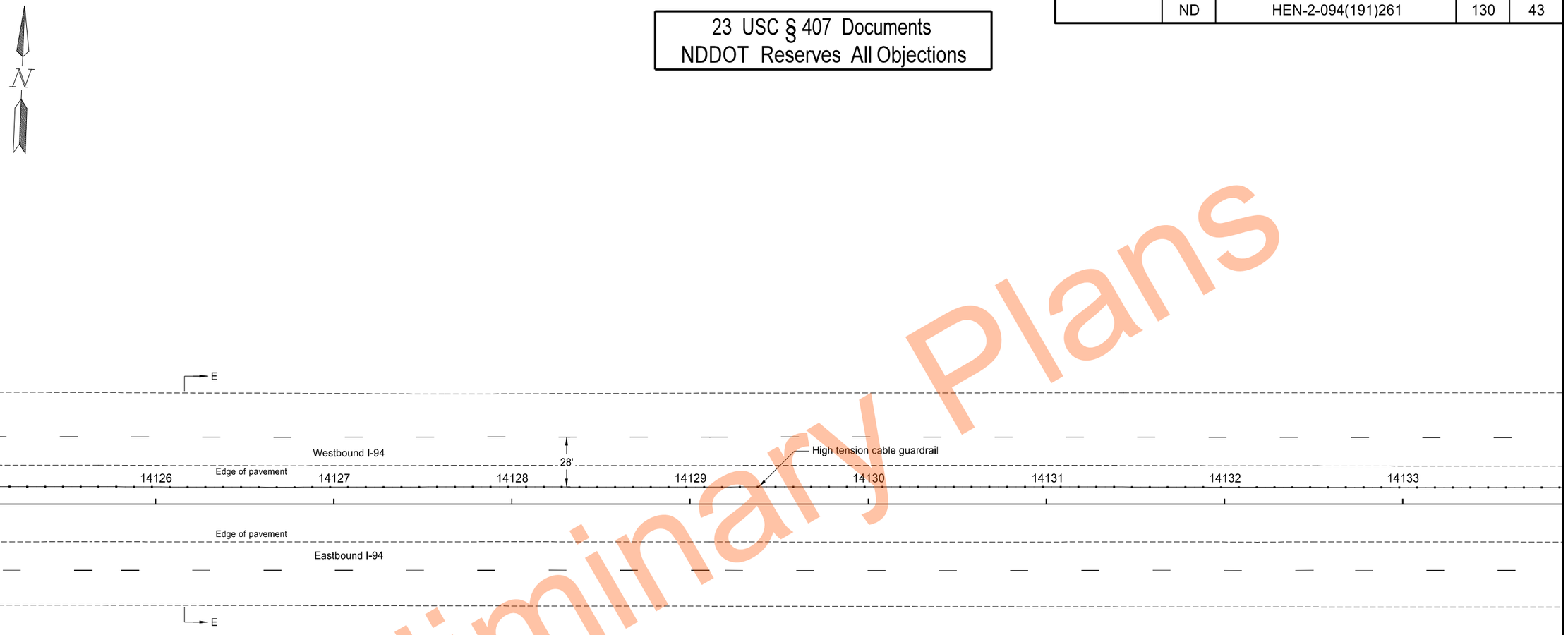
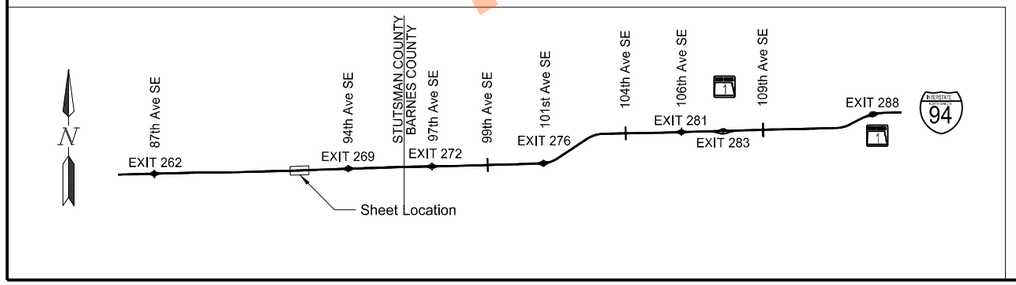
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	43

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment E
Sta 14125+25.0 to Sta 14133+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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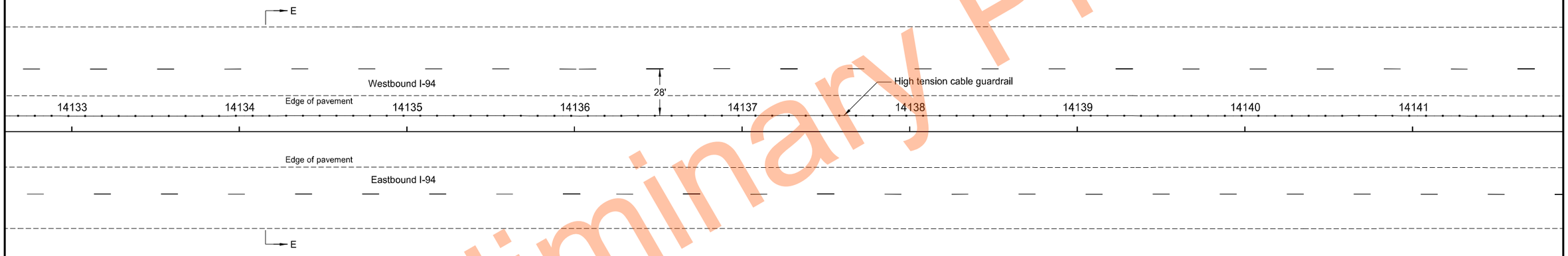
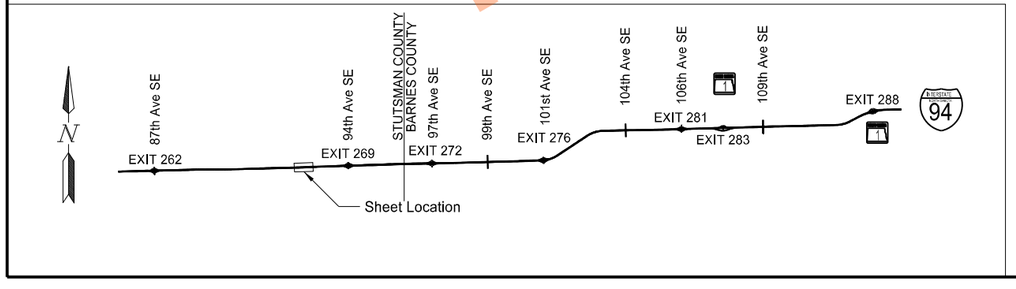
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment E
Sta 14133+25.0 to Sta 14141+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	45

23 USC § 407 Documents
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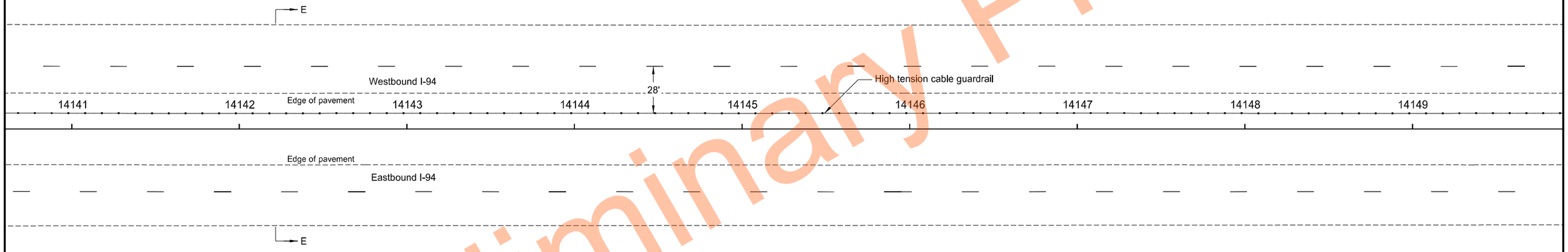

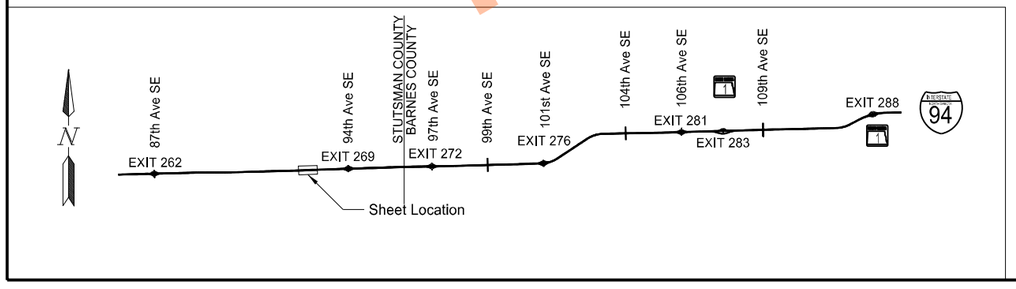

High Tension Median Cable Guardrail Layout

Segment E
Sta 14141+25.0 to Sta 14149+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	46

23 USC § 407 Documents
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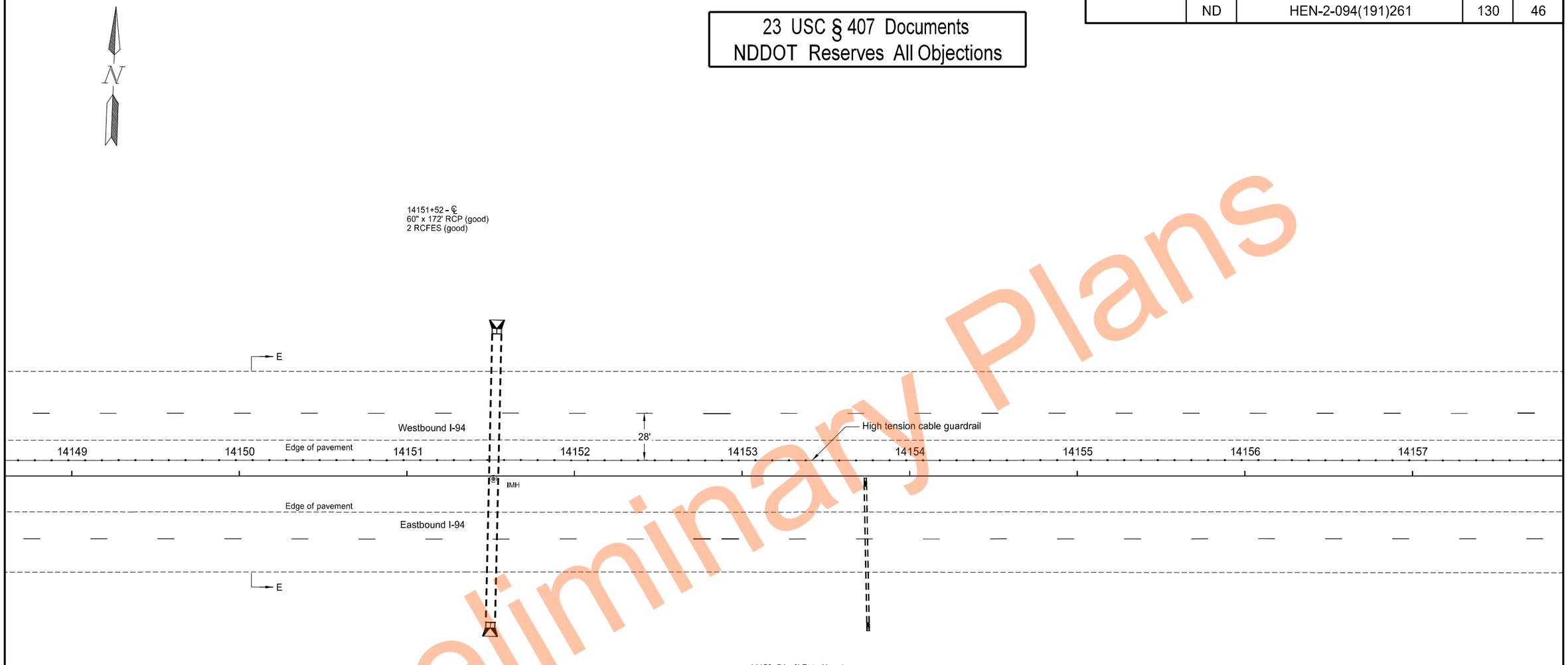

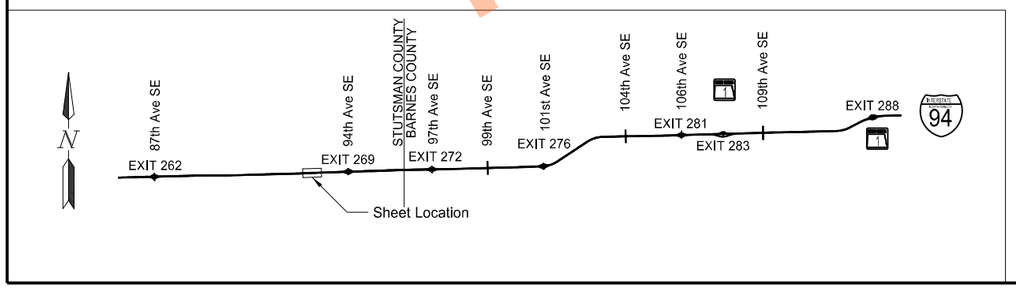

High Tension Median Cable Guardrail Layout

Segment E
Sta 14149+25.0 to Sta 14157+25.0

I-94 Median
E of Exit 260 to W of Oakes

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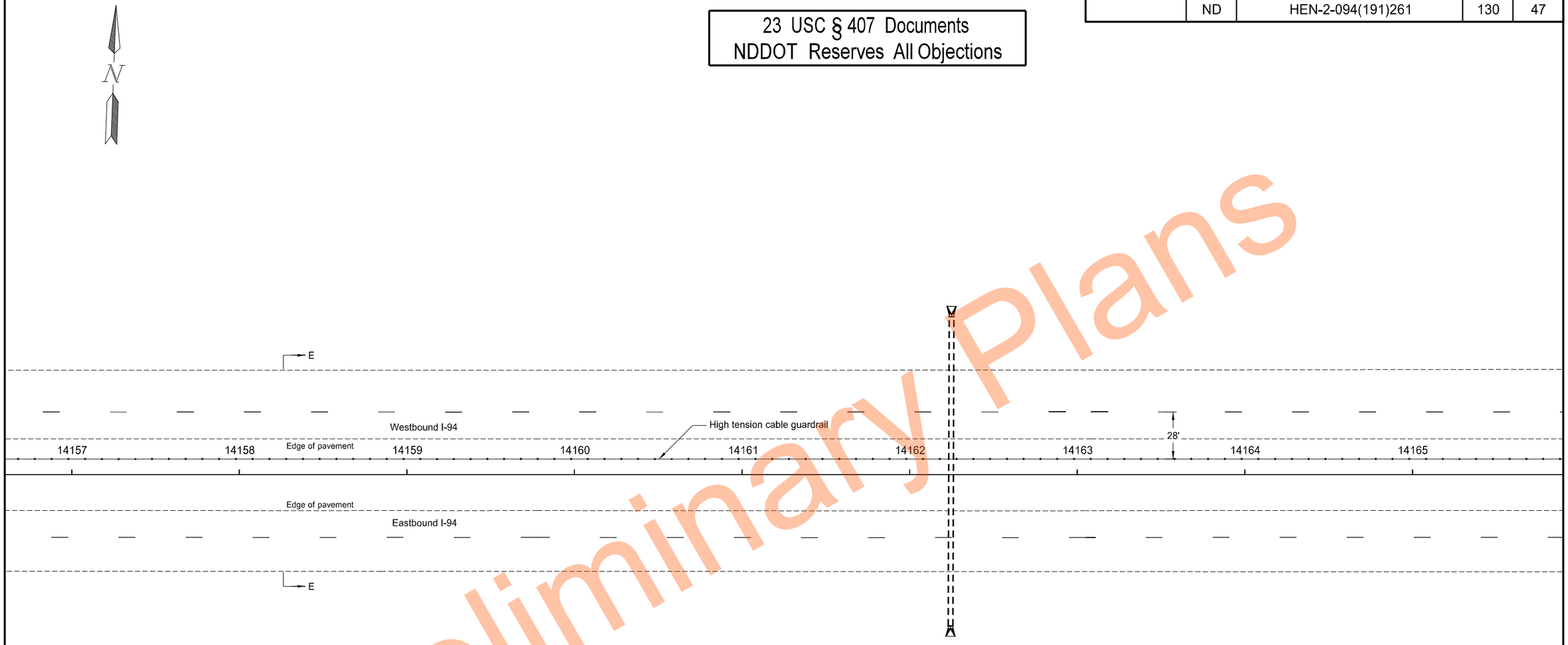
23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment E
Sta 14157+25.0 to Sta 14165+25.0

I-94 Median
E of Exit 260 to W of Oakes

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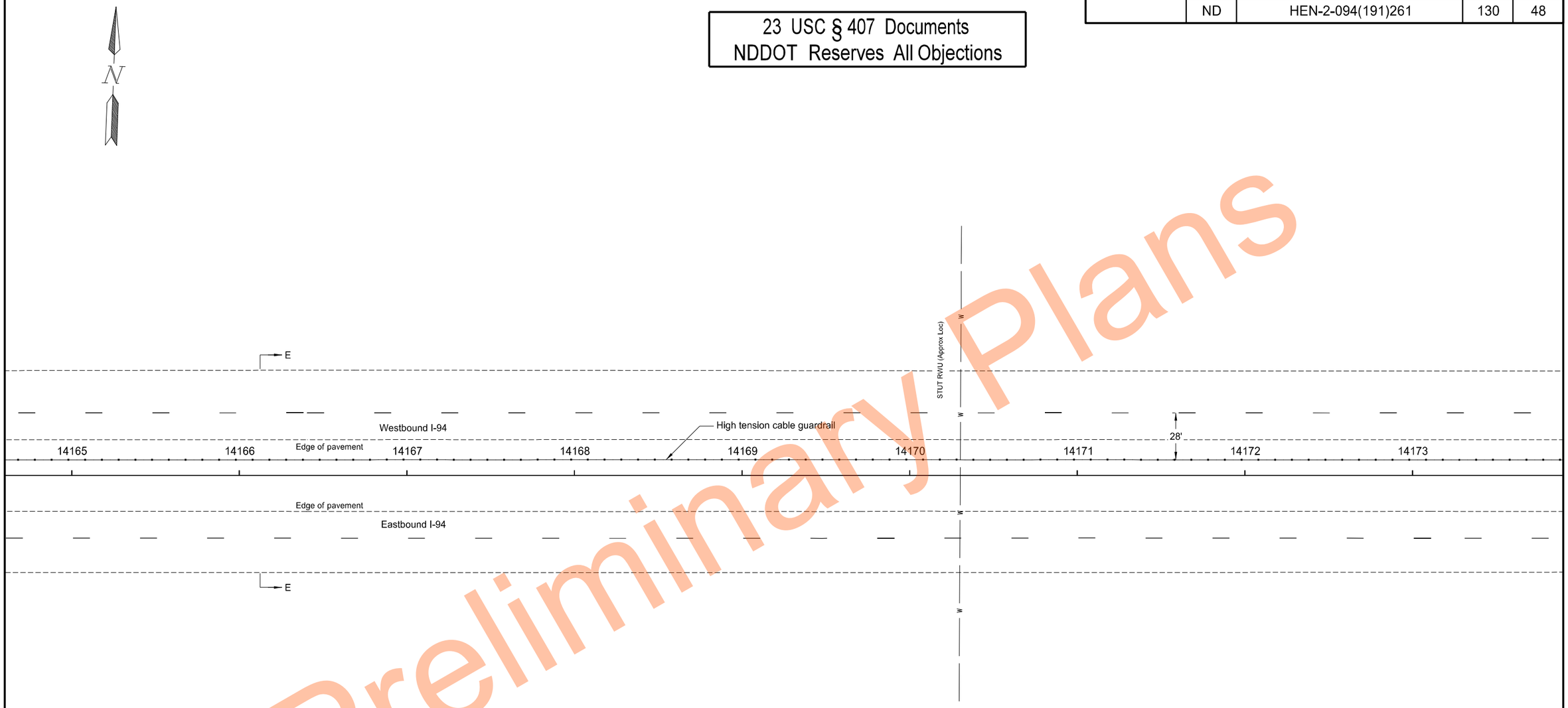
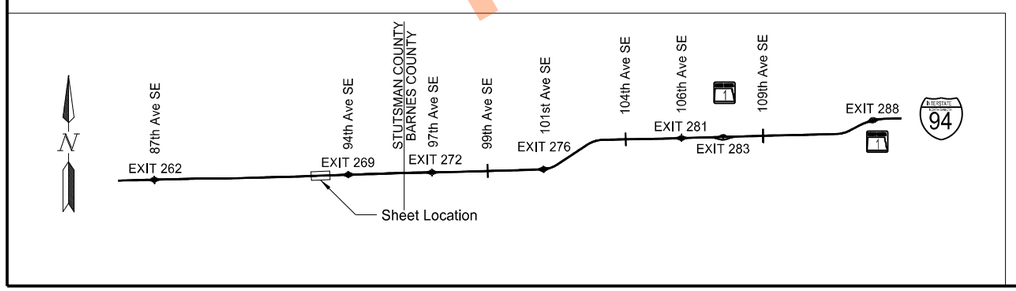
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment E
Sta 14165+25.0 to Sta 14173+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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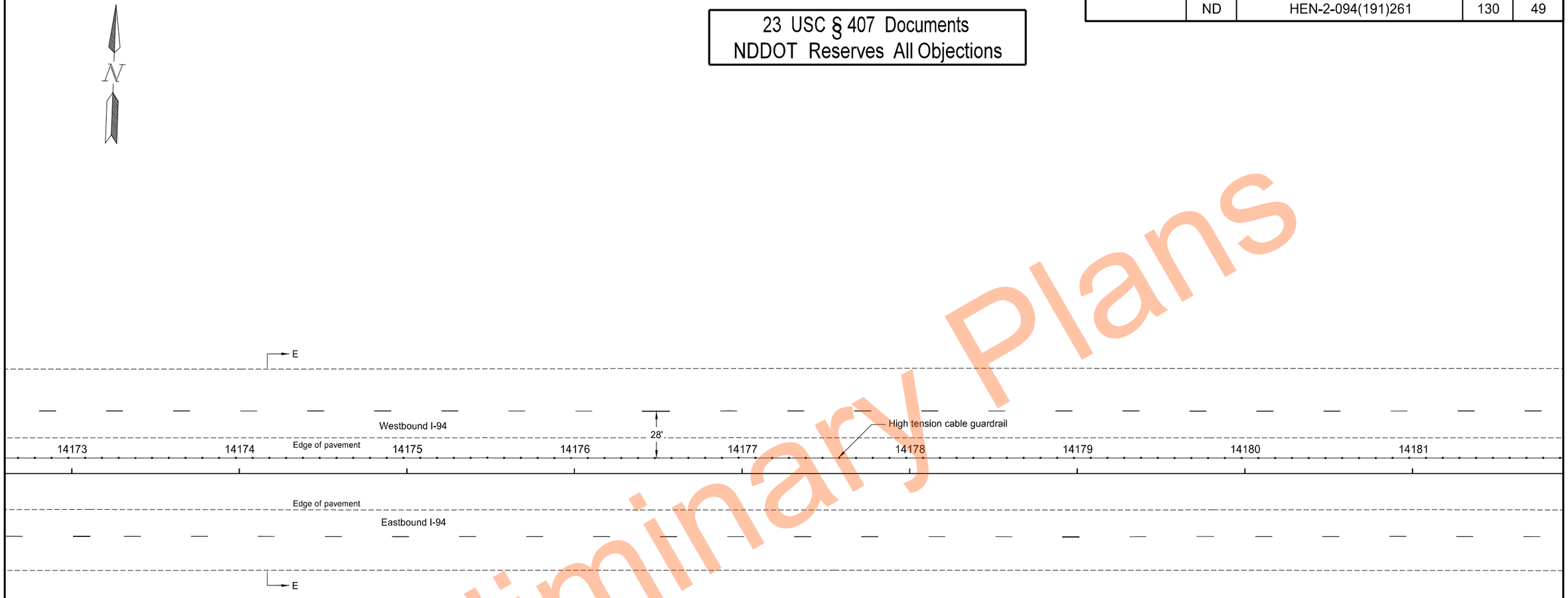
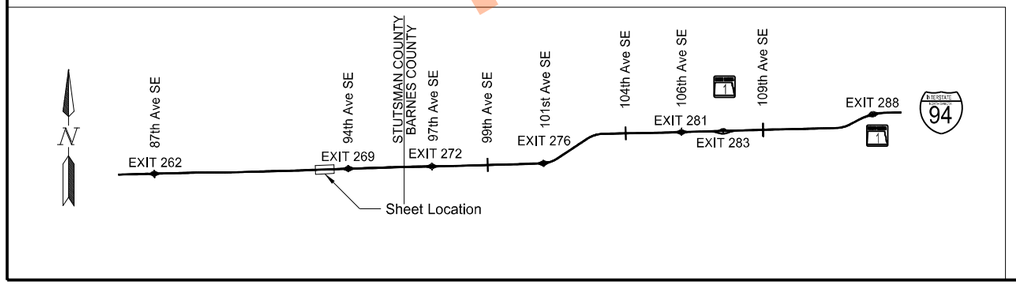
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment E
Sta 14173+25.0 to Sta 14181+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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23 USC § 407 Documents
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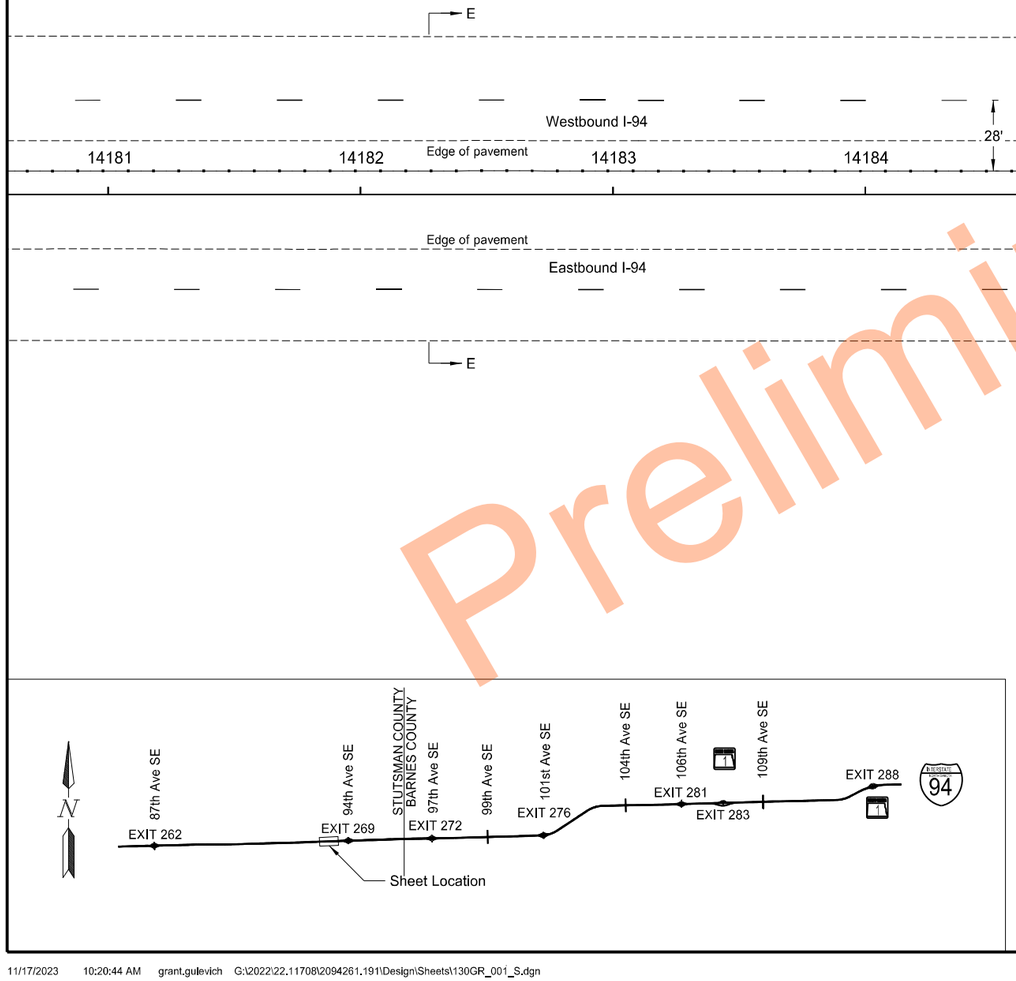
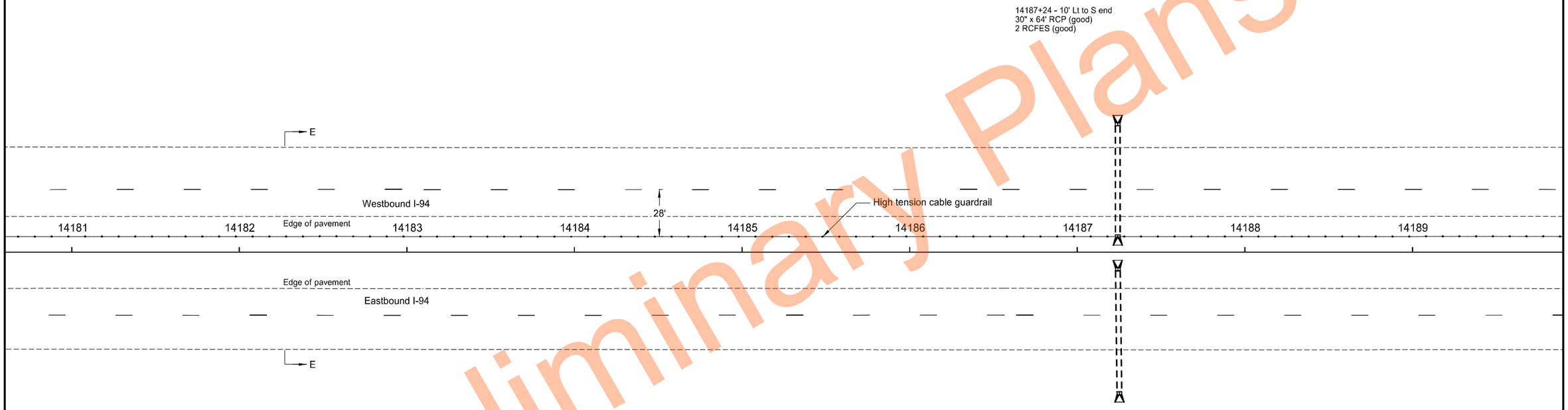
Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment E
Sta 14181+25.0 to Sta 14189+25.0

I-94 Median
E of Exit 260 to W of Oakes

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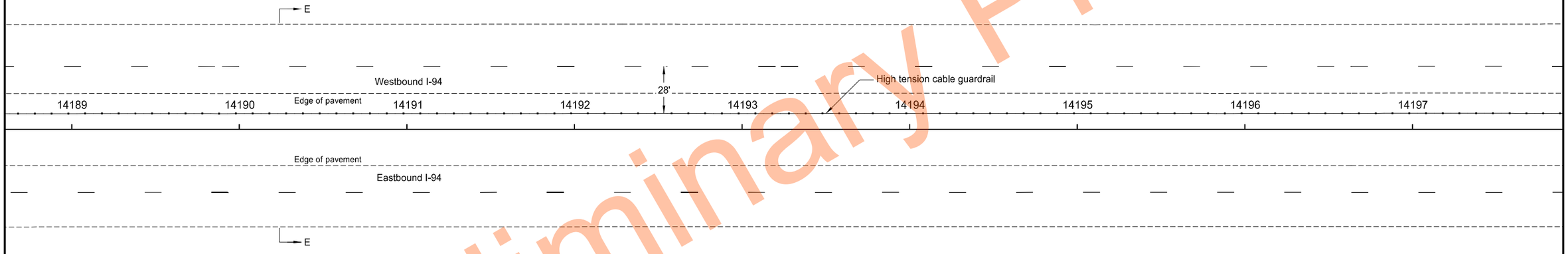
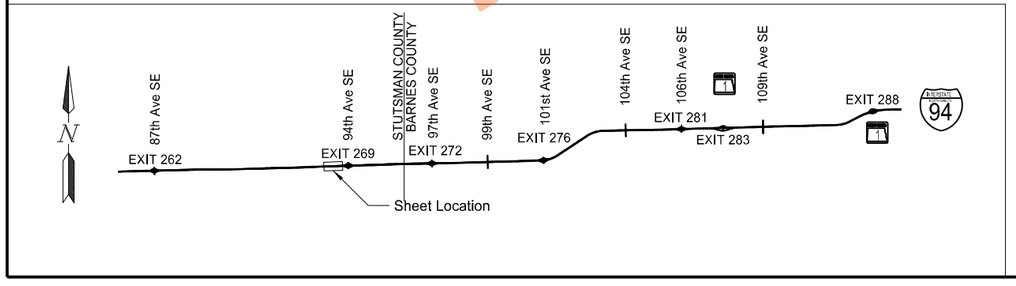
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment E
Sta 14189+25.0 to Sta 14197+25.0

I-94 Median
E of Exit 260 to W of Oakes

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23 USC § 407 Documents
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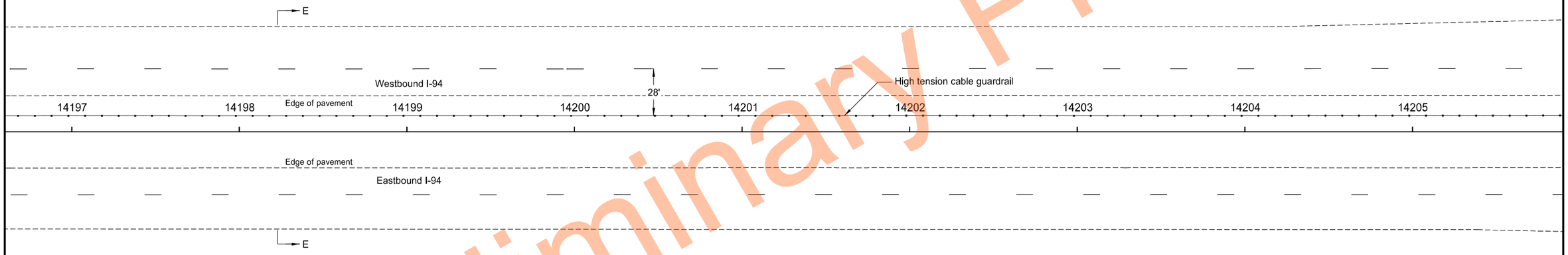

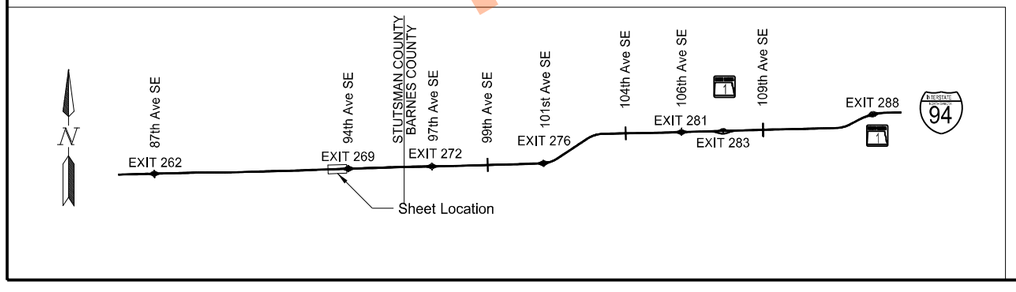

High Tension Median Cable Guardrail Layout

Segment E
Sta 14197+25.0 to Sta 14205+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	53

23 USC § 407 Documents
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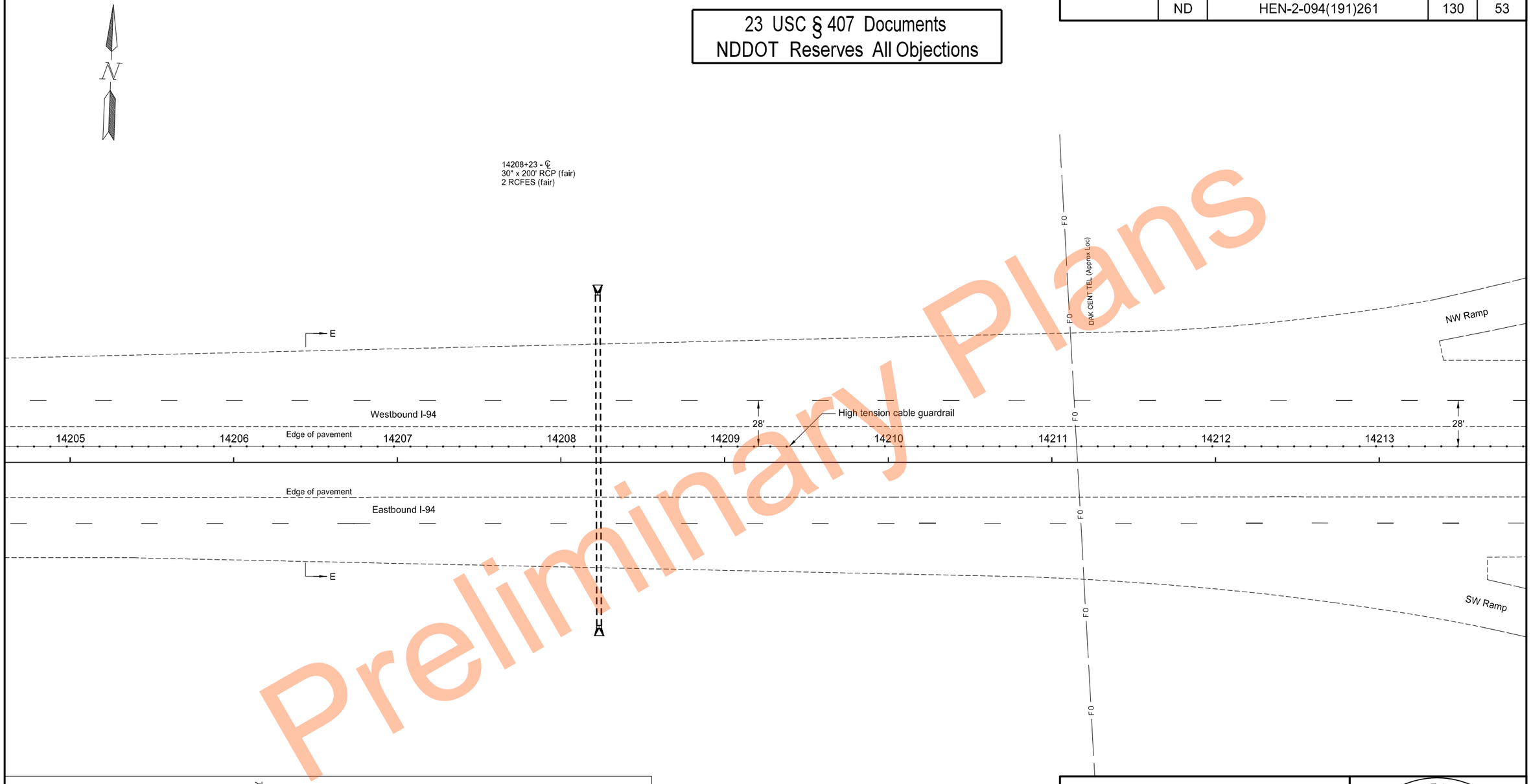
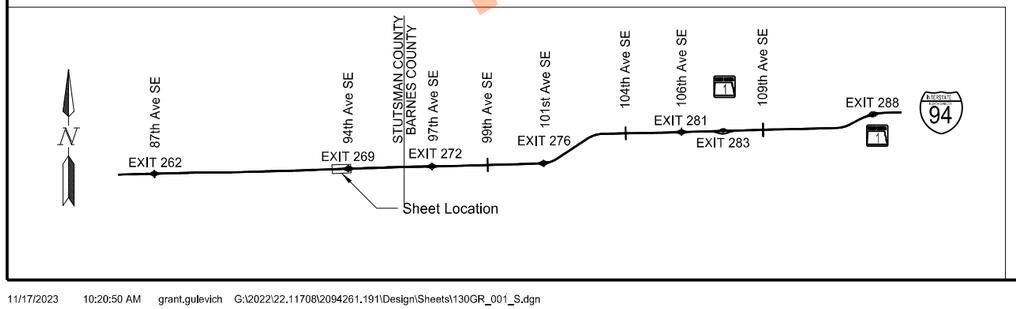
Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment E
Sta 14205+25.0 to Sta 14213+25.0

I-94 Median
E of Exit 260 to W of Oakes

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23 USC § 407 Documents
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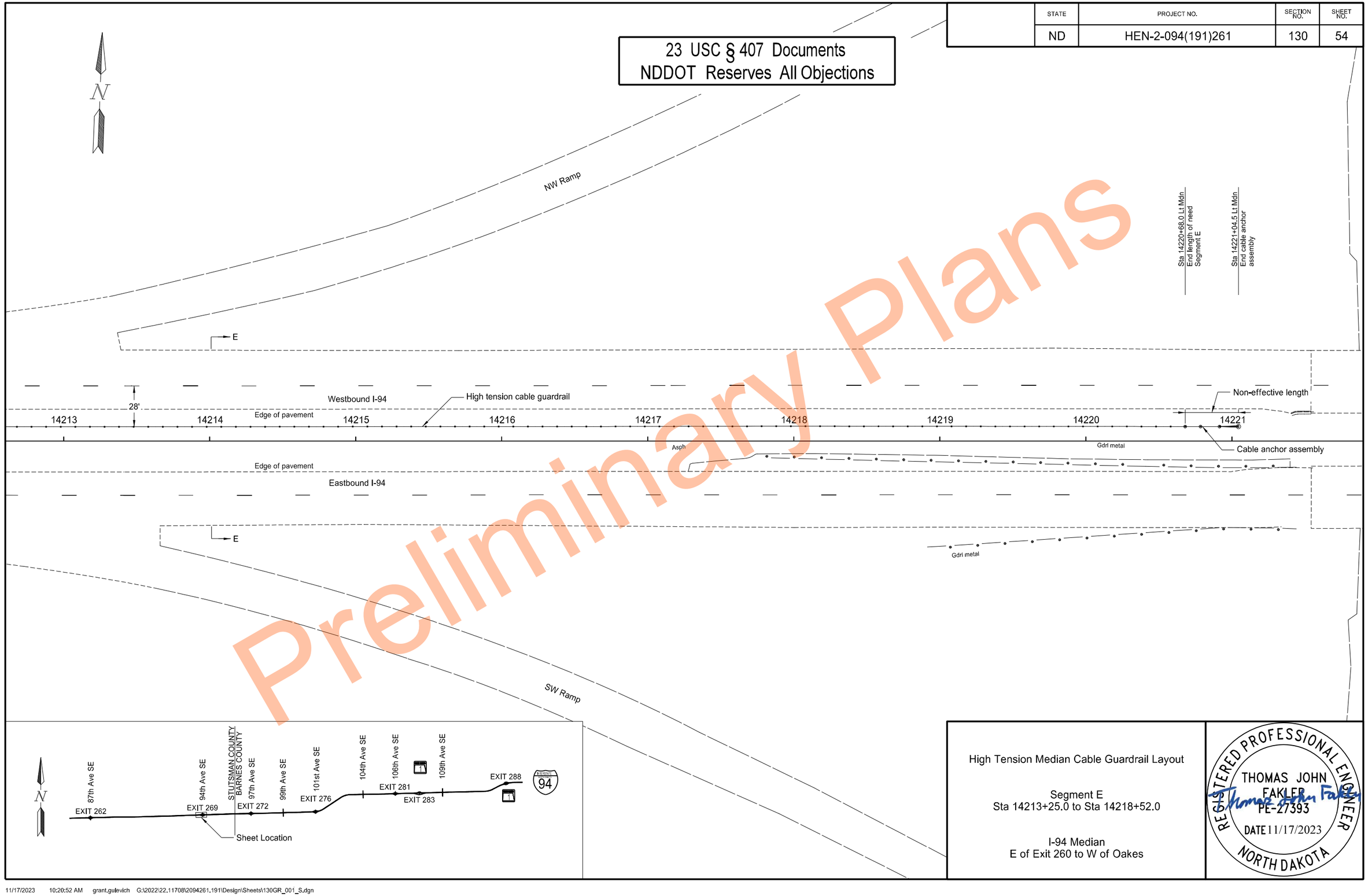

Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment E
Sta 14213+25.0 to Sta 14218+52.0

I-94 Median
E of Exit 260 to W of Oakes

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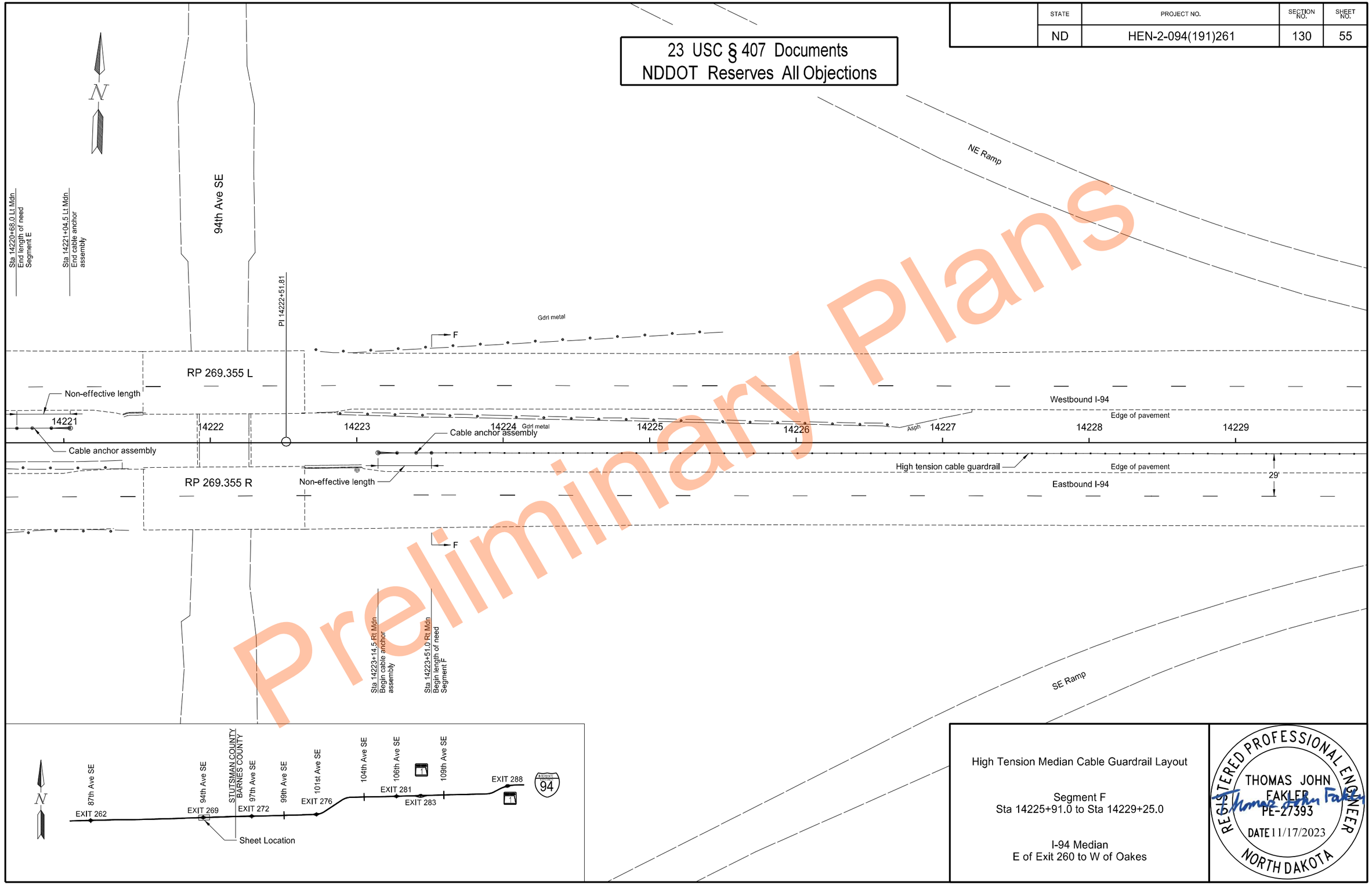
23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment F
Sta 14225+91.0 to Sta 14229+25.0

I-94 Median
E of Exit 260 to W of Oakes

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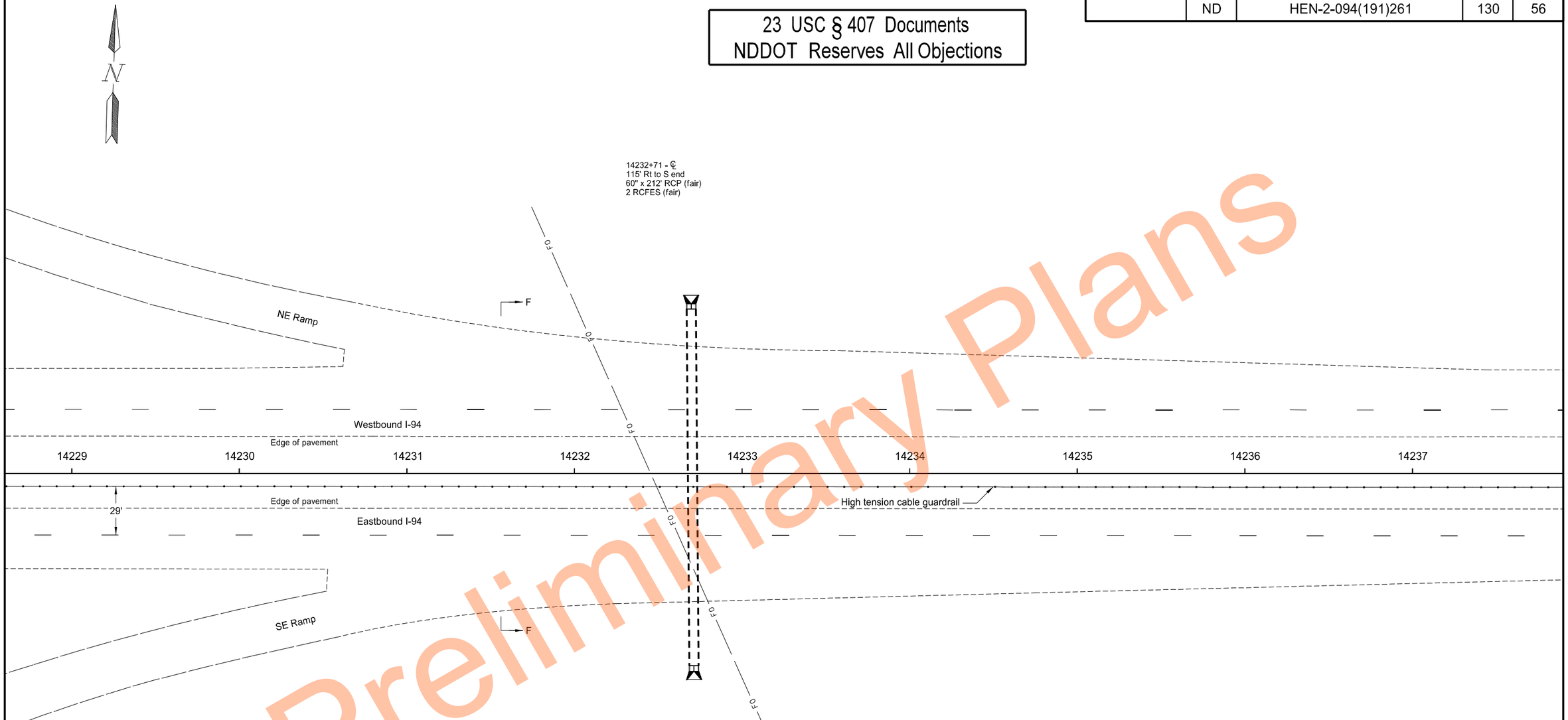
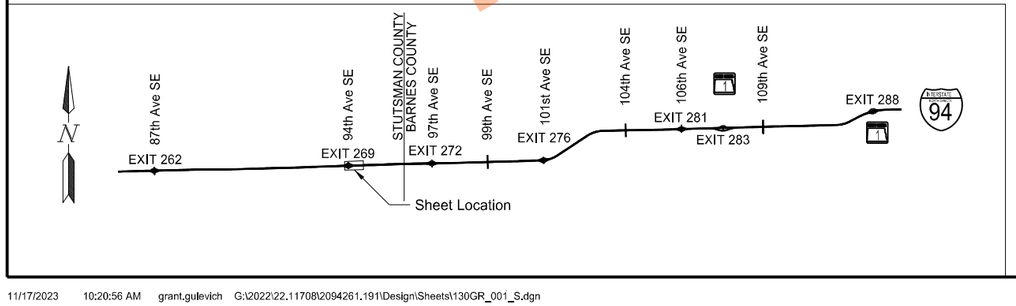
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	56

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment F
Sta 14229+25.0 to Sta 14237+25.0

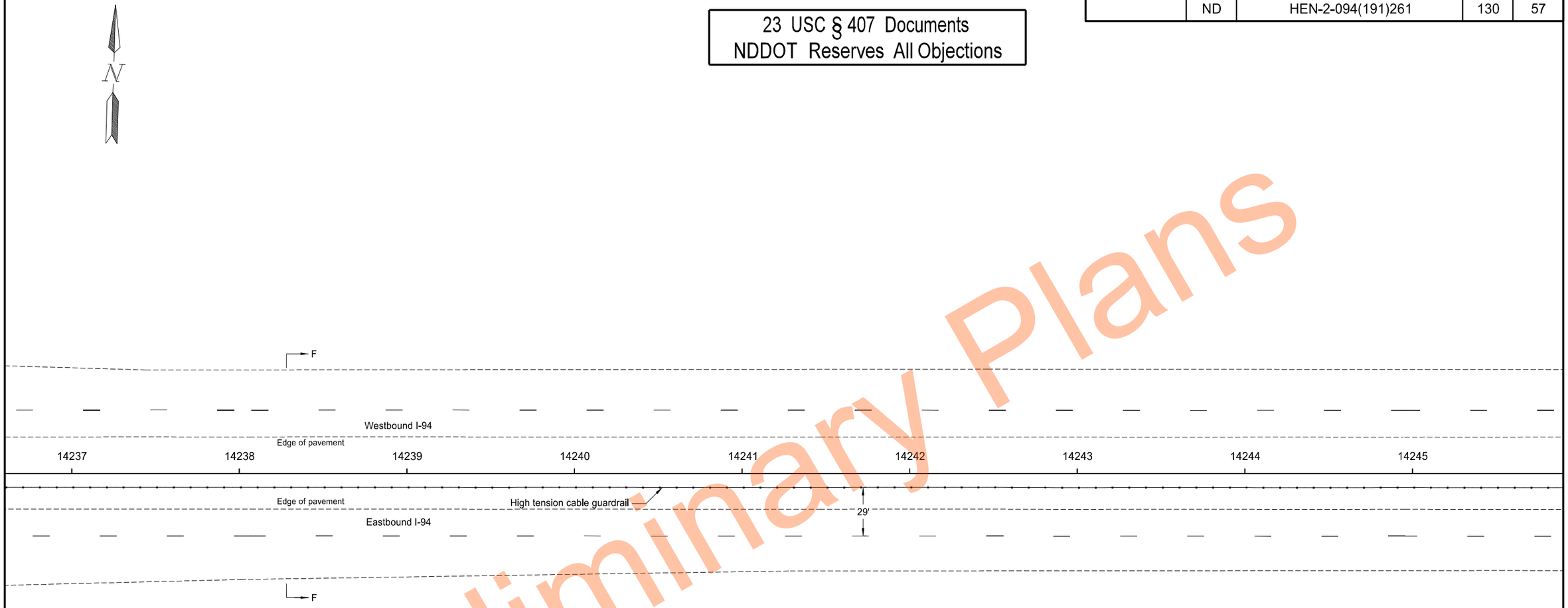
I-94 Median
E of Exit 260 to W of Oakes

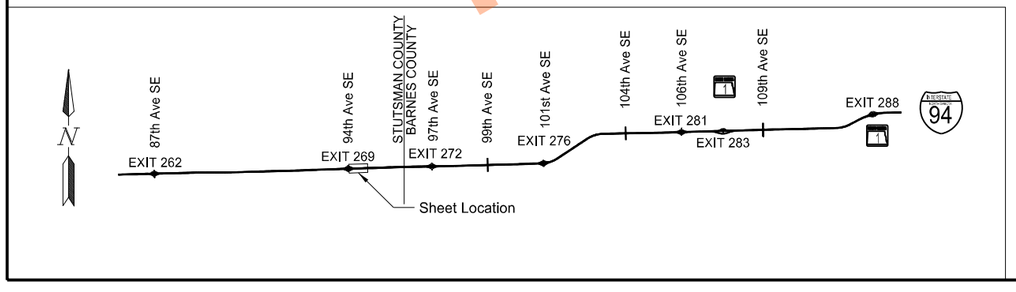
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	57

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment F
Sta 14237+25.0 to Sta 14245+25.0

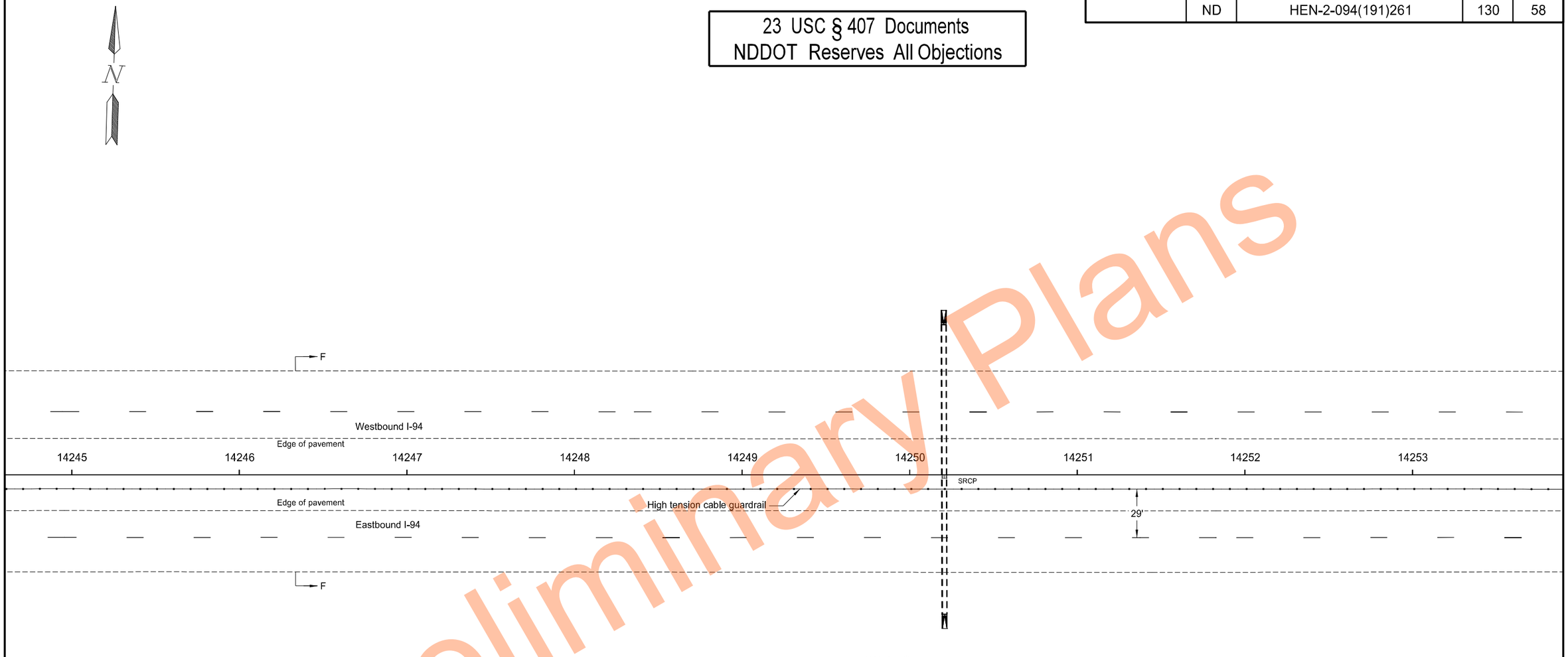
I-94 Median
E of Exit 260 to W of Oakes

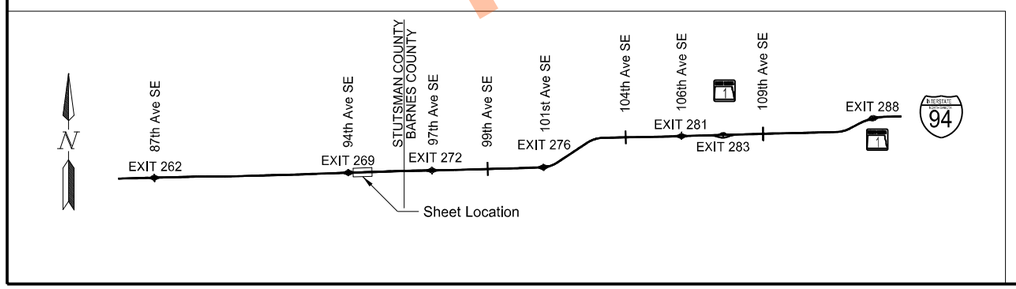
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	58

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment F
Sta 14245+25.0 to Sta 14253+25.0

I-94 Median
E of Exit 260 to W of Oakes

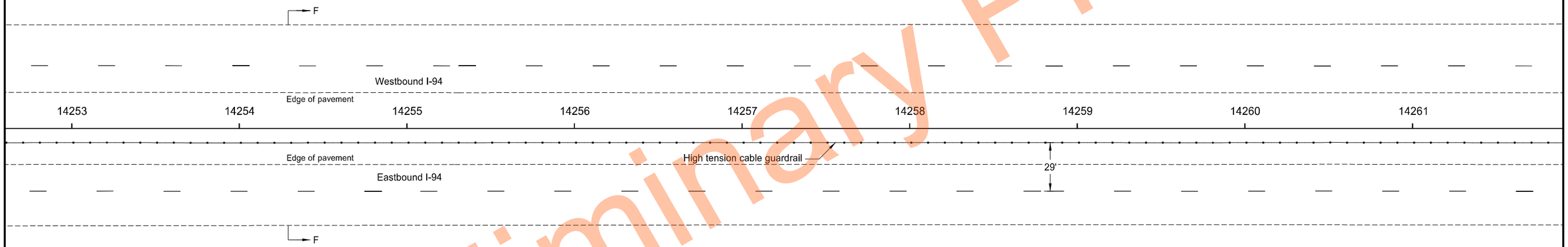
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

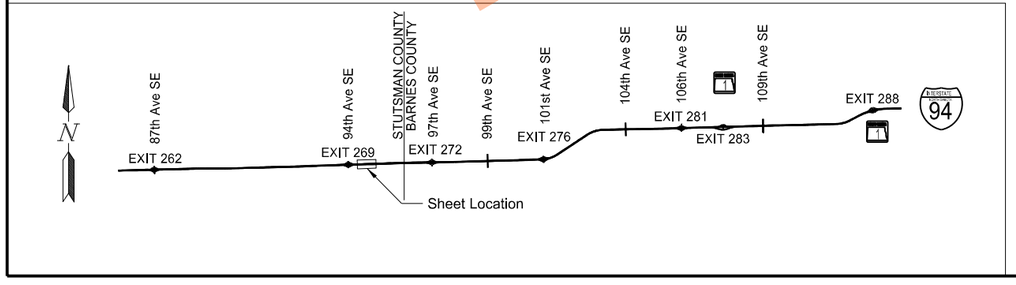
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	59

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment F
Sta 14253+25.0 to Sta 14261+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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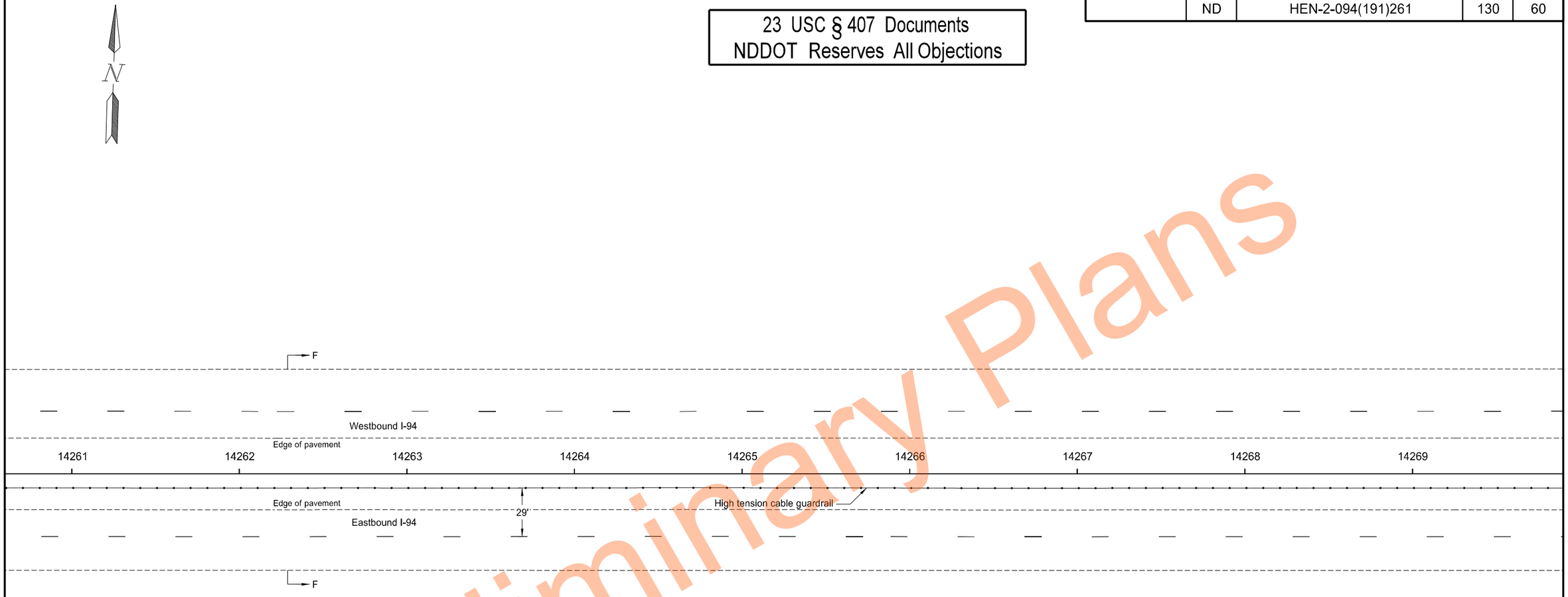
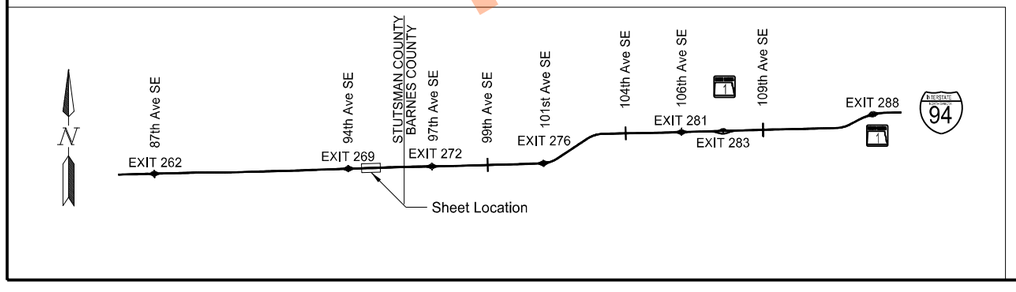
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	60

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment F
Sta 14261+25.0 to Sta 14269+25.0

I-94 Median
E of Exit 260 to W of Oakes

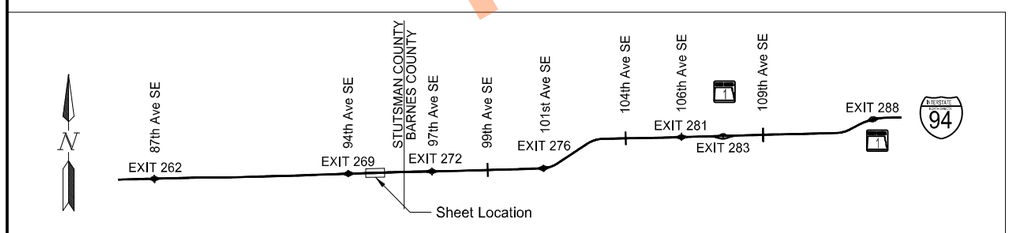
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	61

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment F - Sta 14269+25.0 to Sta 14275+91.0
Segment G - Sta 14276+38.0 to Sta 14277+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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PE-27393
DATE 11/17/2023
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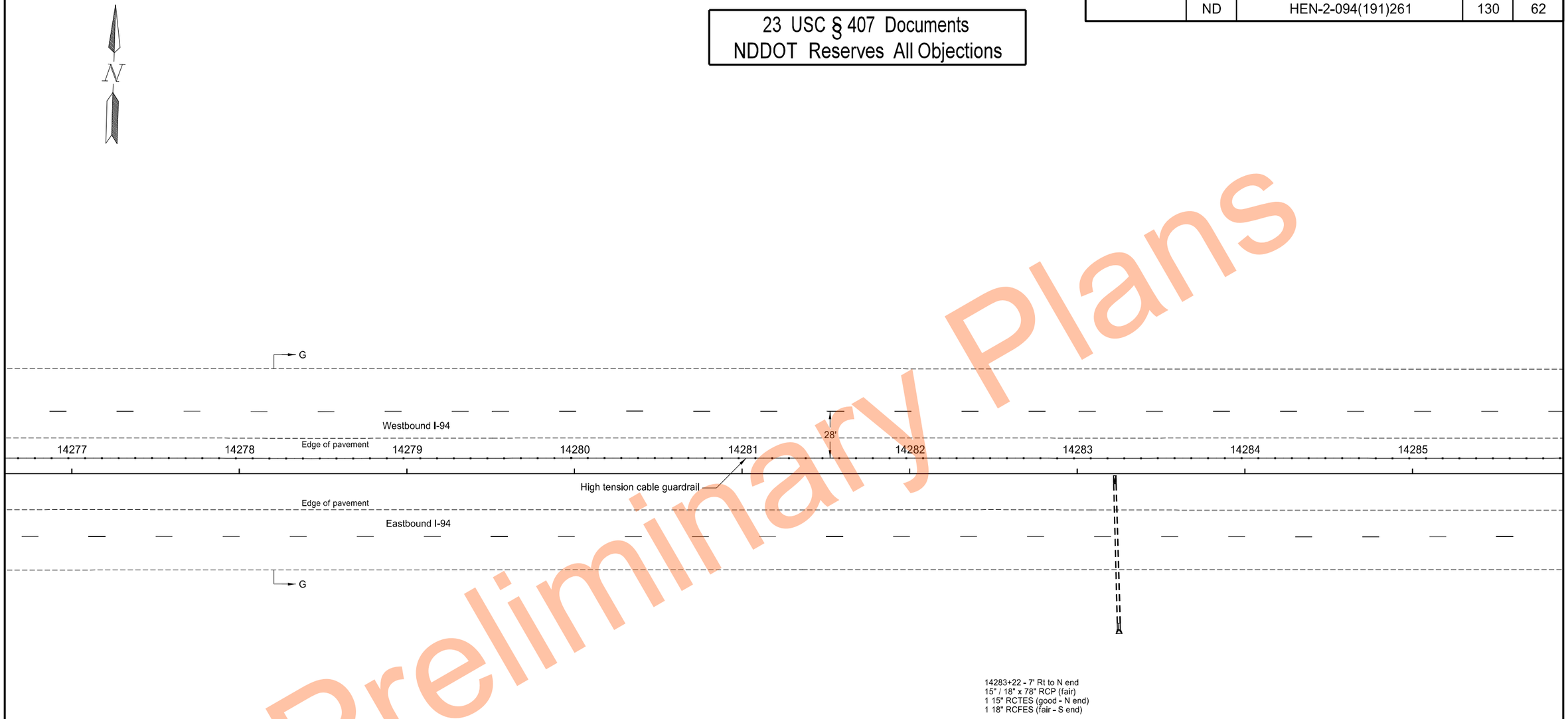
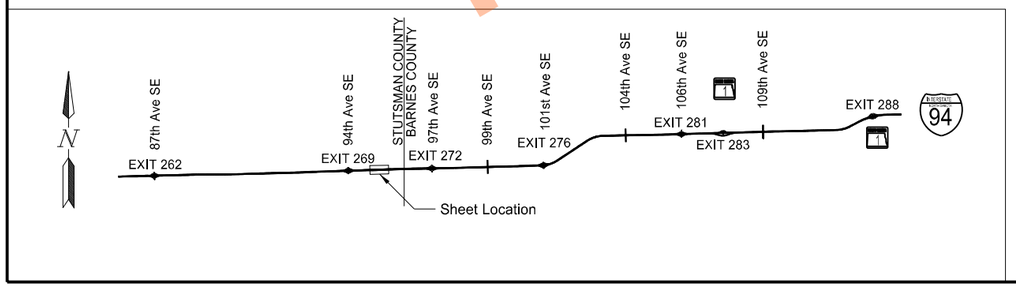
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	62

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14277+25.0 to Sta 14285+25.0

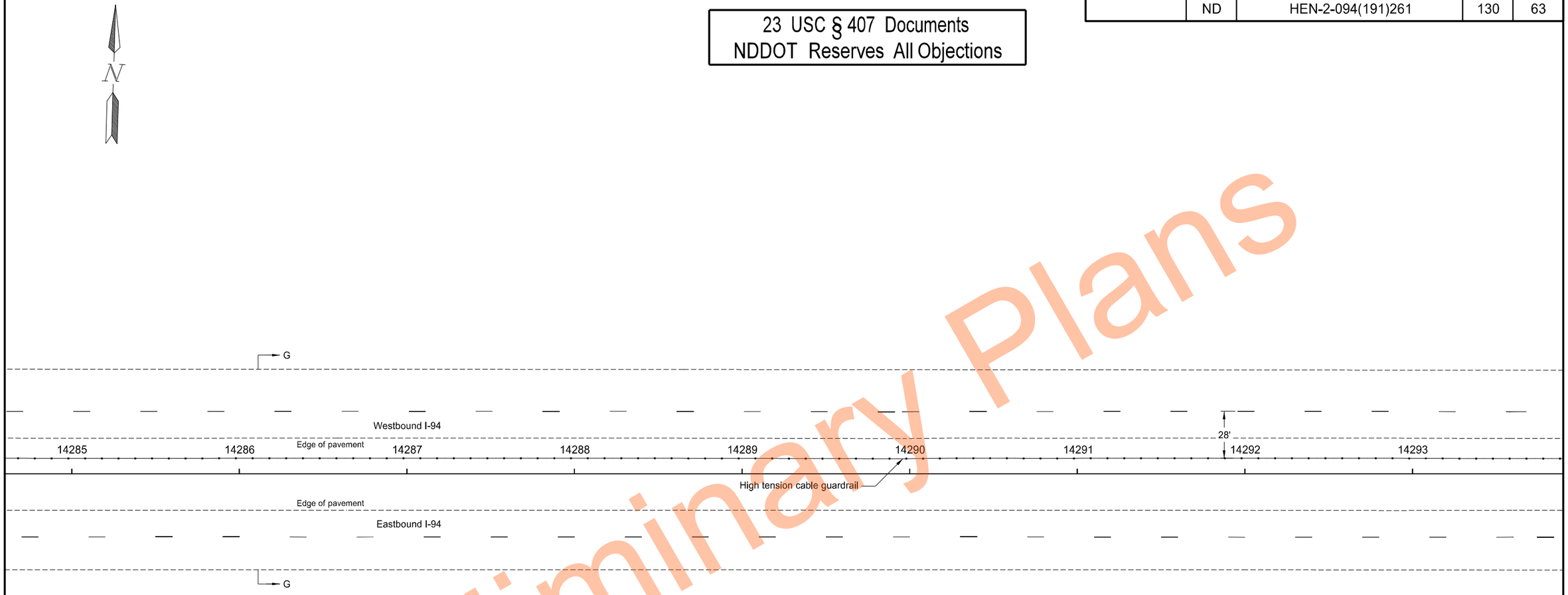
I-94 Median
E of Exit 260 to W of Oakes

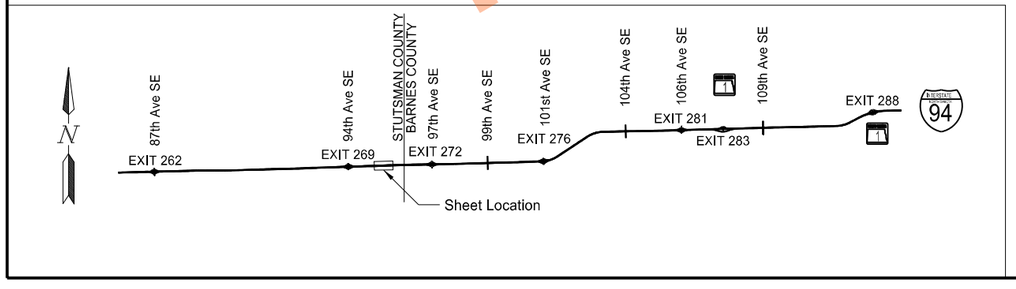
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	63

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14285+25.0 to Sta 14293+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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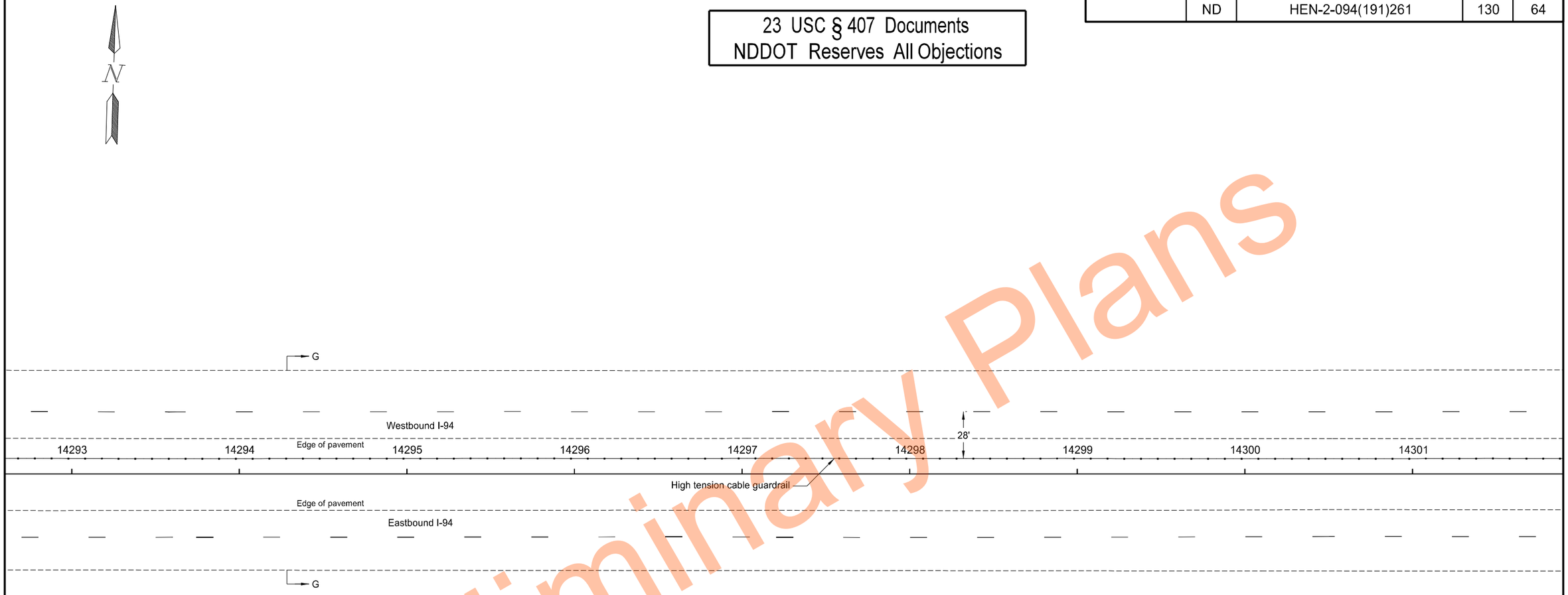
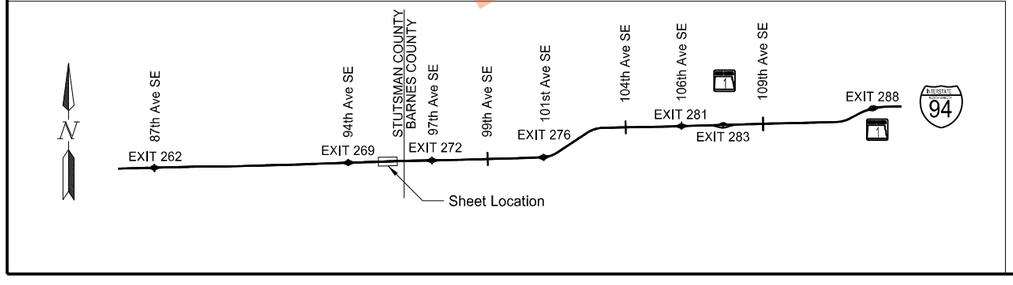
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	64

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14293+25.0 to Sta 14301+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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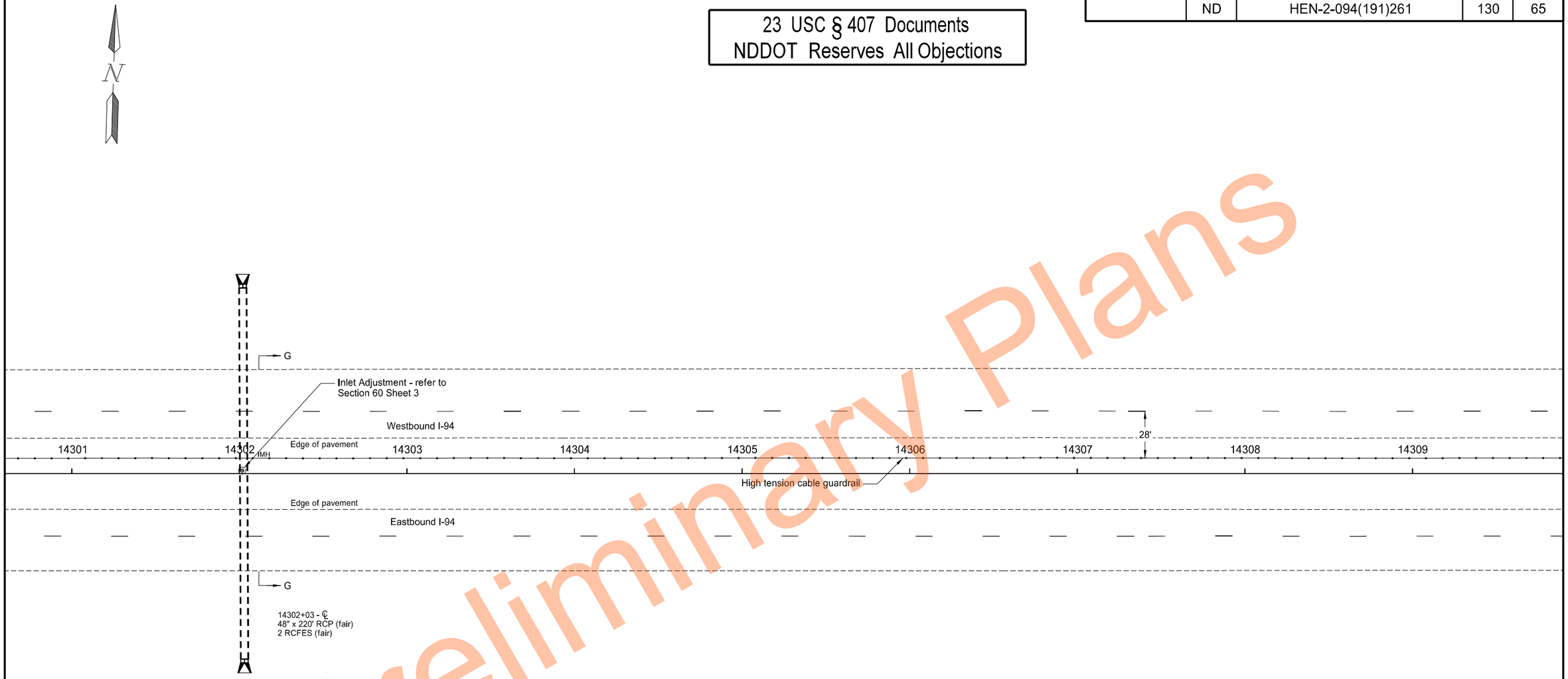
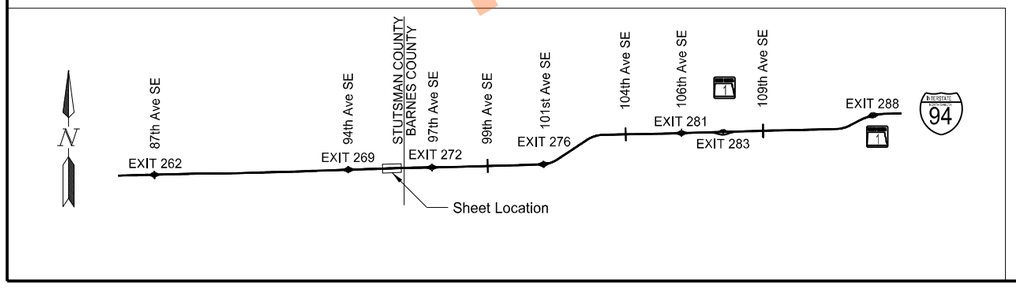
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	65

23 USC § 407 Documents
NDDOT Reserves All Objections





Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment G
Sta 14301+25.0 to Sta 14309+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
DATE 11/17/2023
NORTH DAKOTA

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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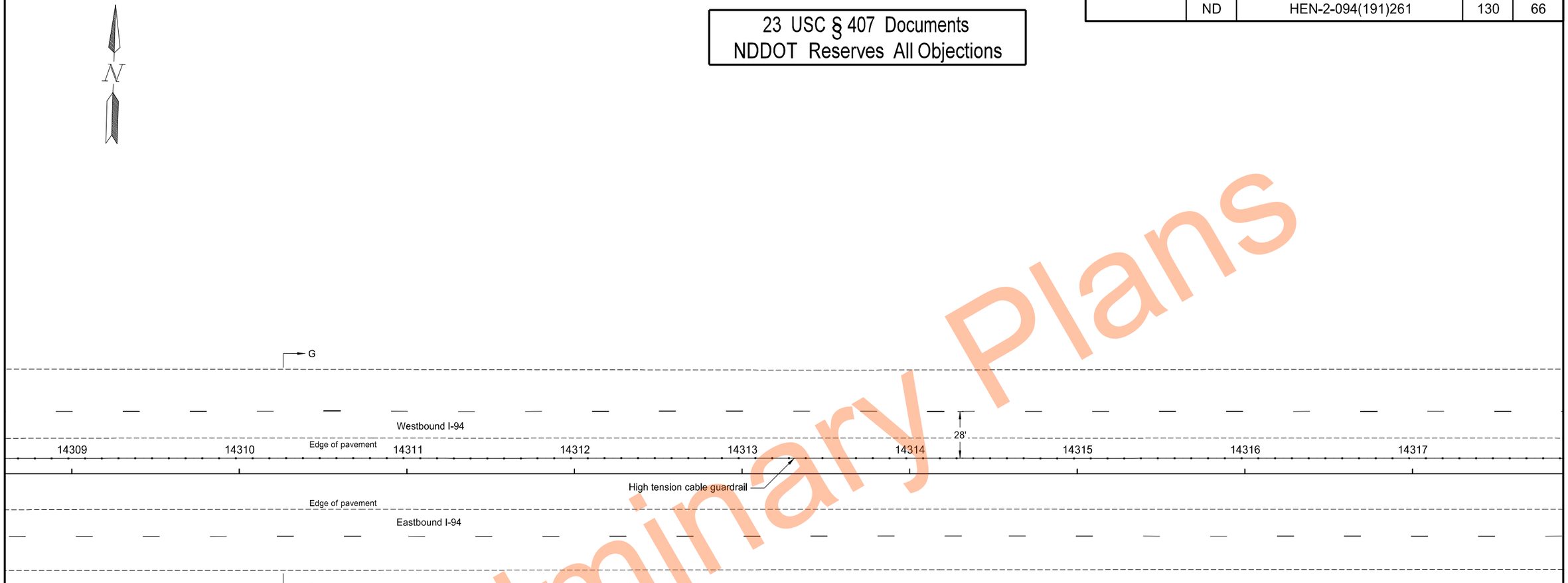
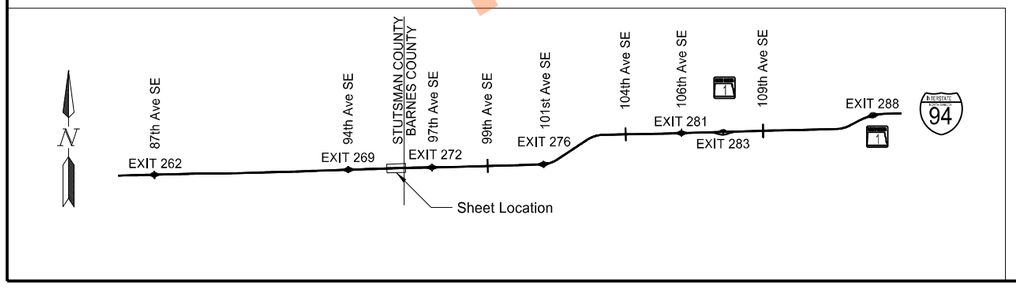
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14309+25.0 to Sta 14317+25.0

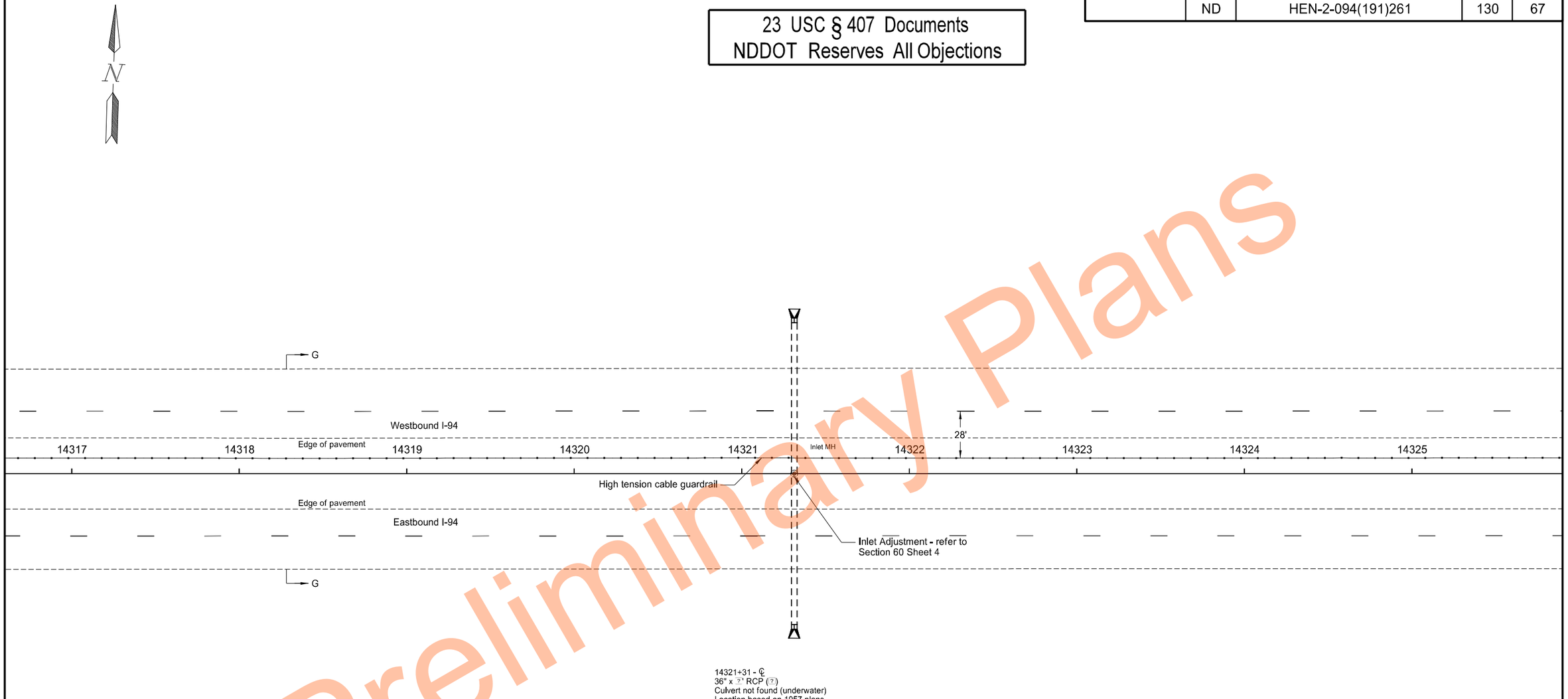
I-94 Median
E of Exit 260 to W of Oakes

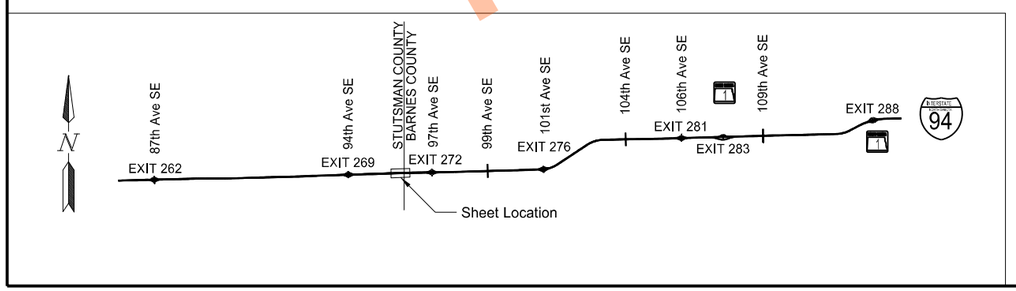
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	67

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14317+25.0 to Sta 14325+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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Preliminary Plans

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	68

23 USC § 407 Documents
NDDOT Reserves All Objections

STUTSMAN COUNTY

BARNES COUNTY

PI 14328+37.68

G

Westbound I-94

28'

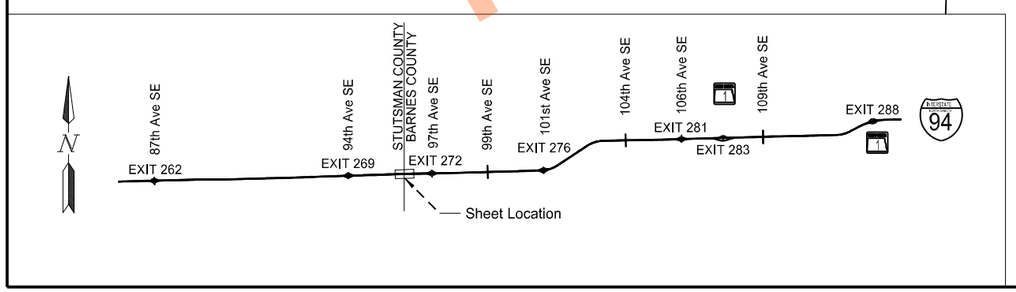
14325 14326 Edge of pavement 14327 14328 14329 14330 14331 14332 14333

High tension cable guardrail

Edge of pavement

Eastbound I-94

G



High Tension Median Cable Guardrail Layout

Segment G
Sta 14325+25.0 to Sta 14333+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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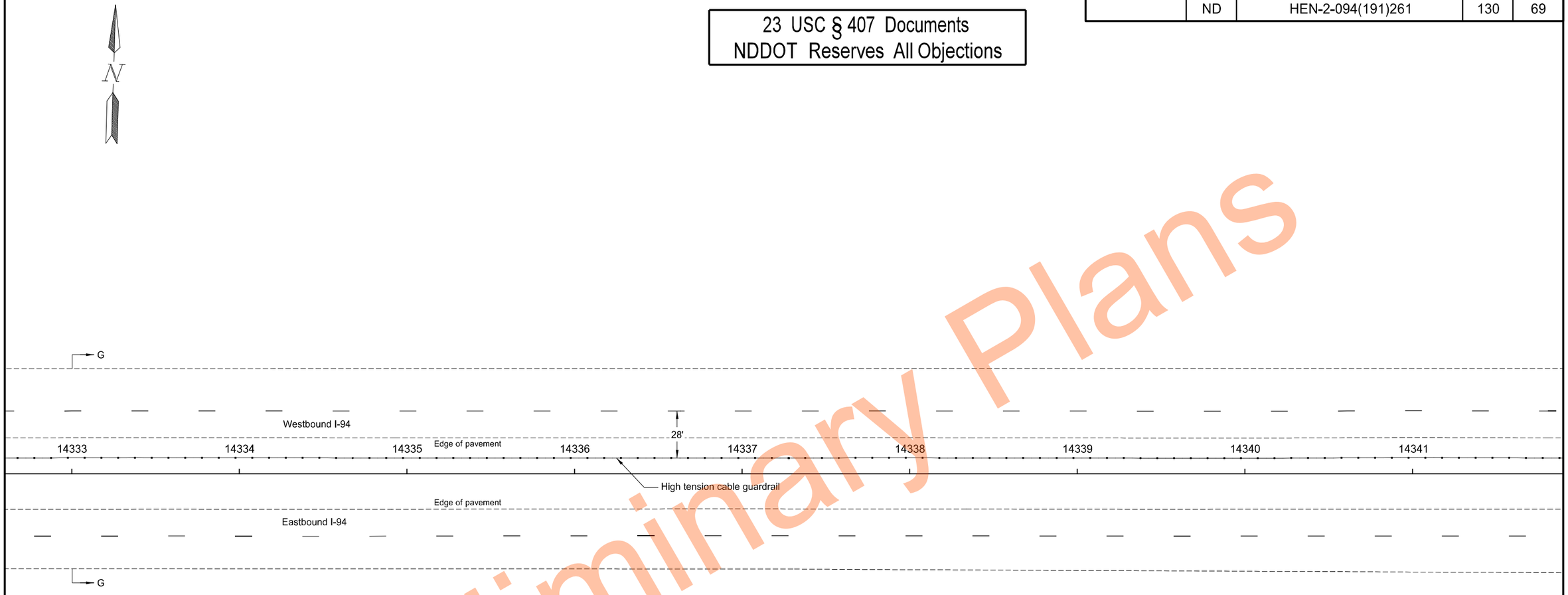
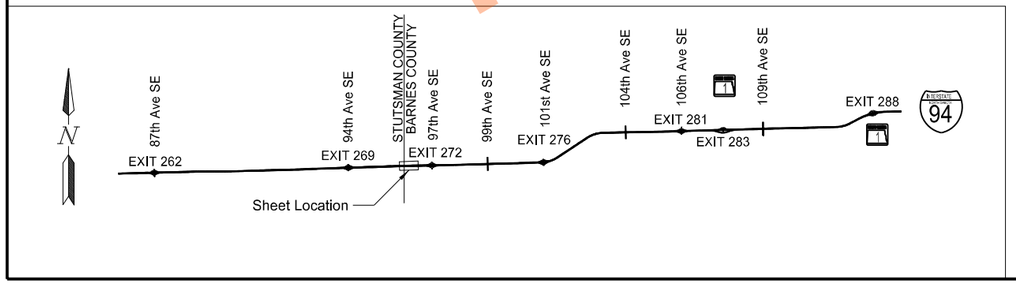
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14333+25.0 to Sta 14341+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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DATE 11/17/2023
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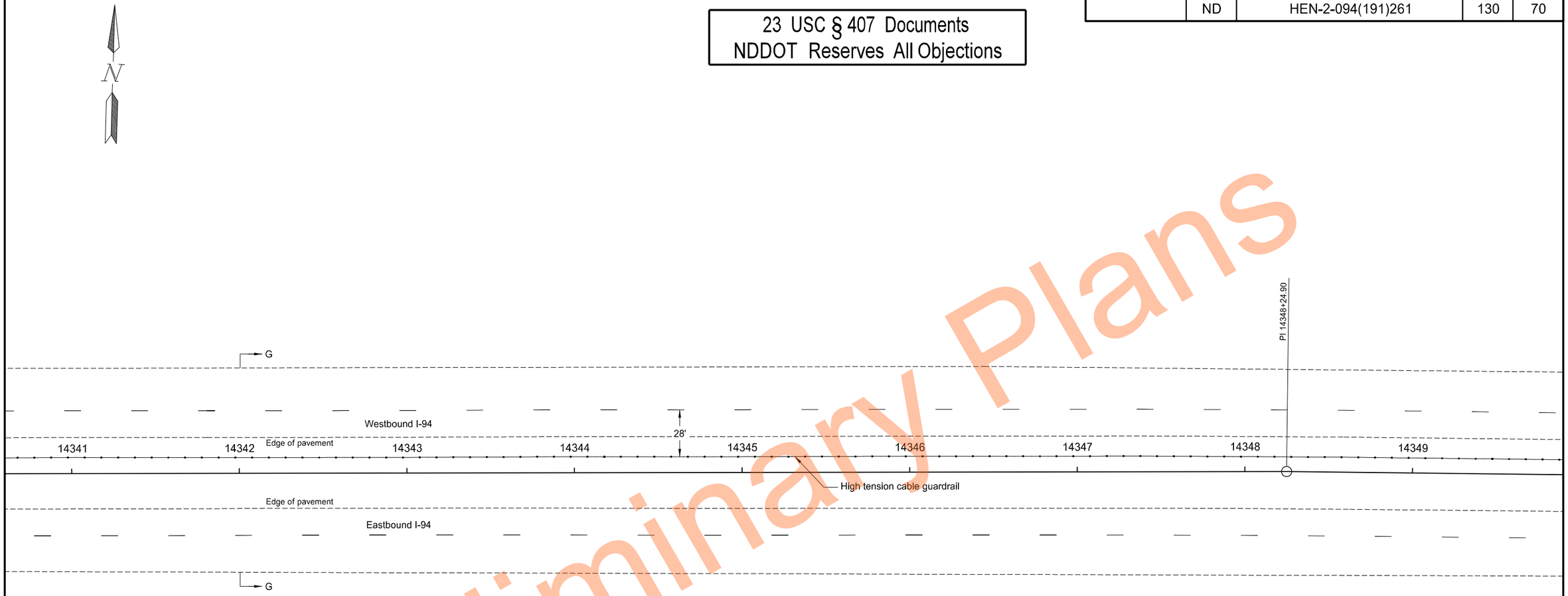
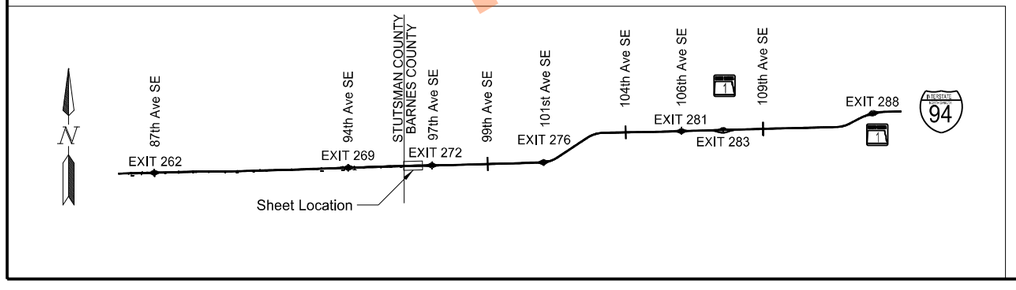
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	70

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14341+25.0 to Sta 14349+25.0

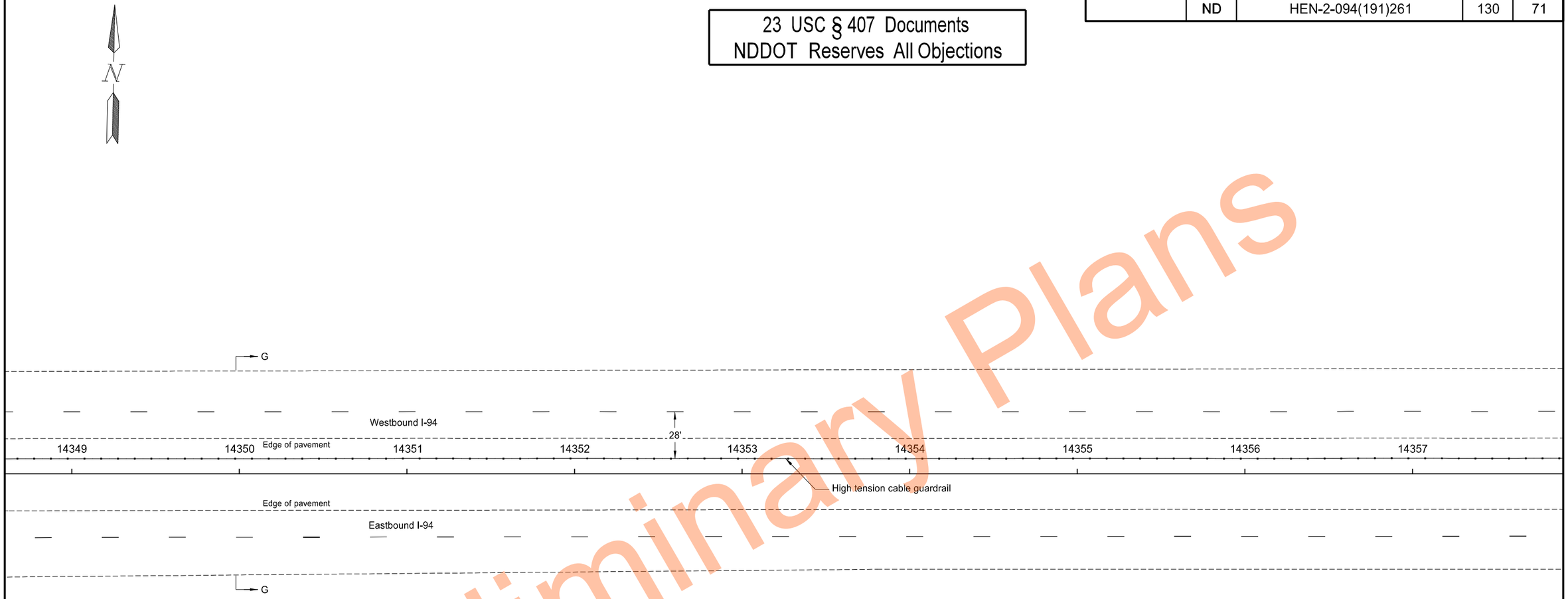
I-94 Median
E of Exit 260 to W of Oakes

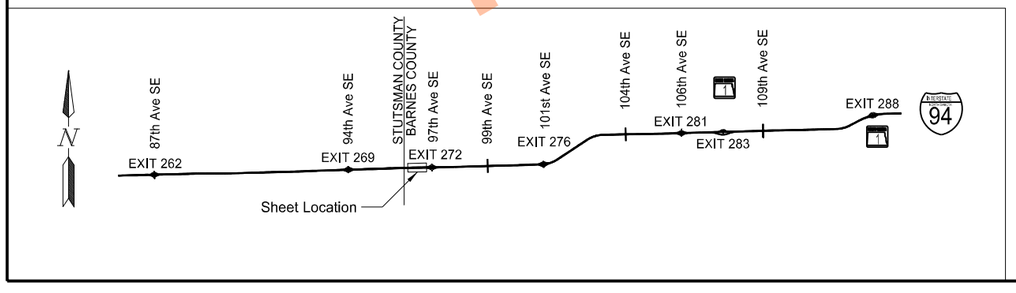
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	71

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14349+25.0 to Sta 14357+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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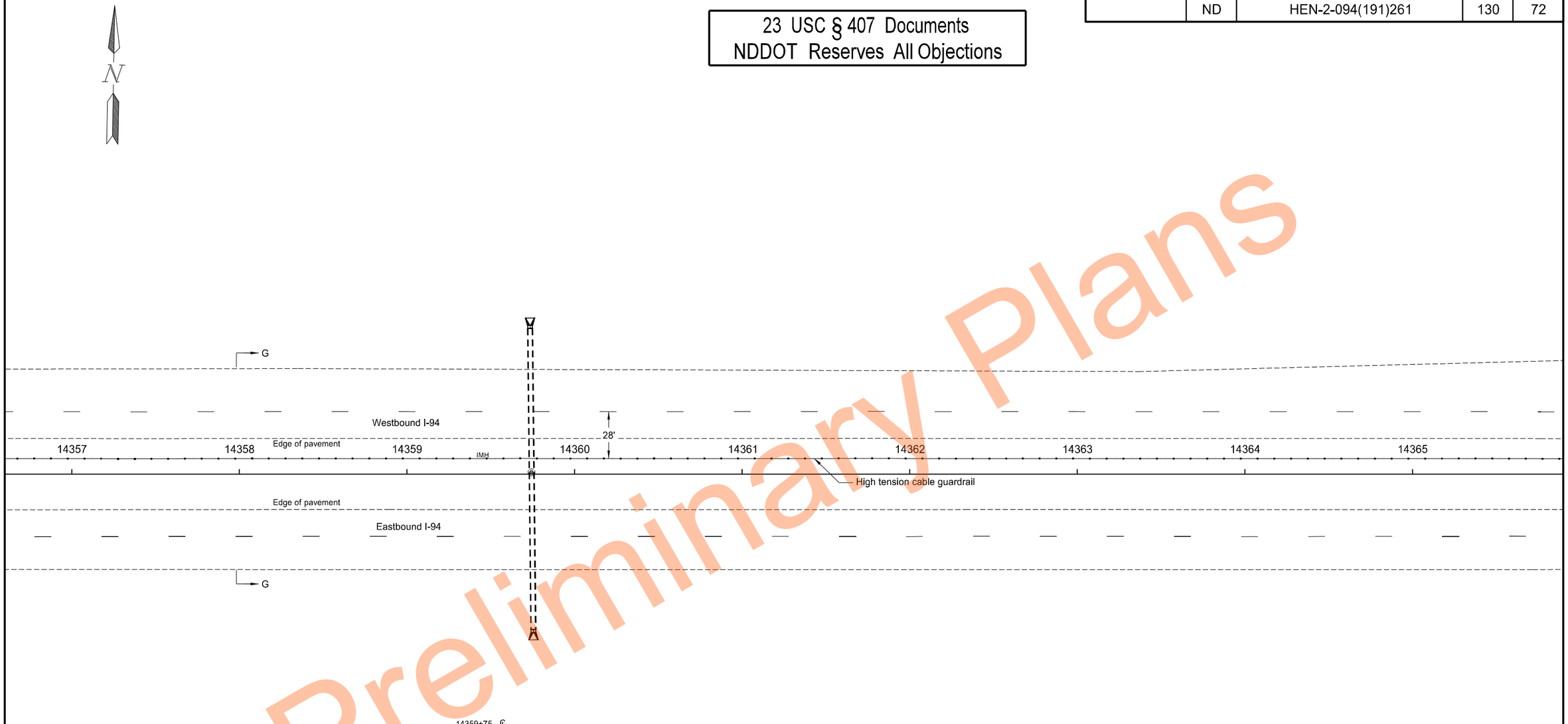
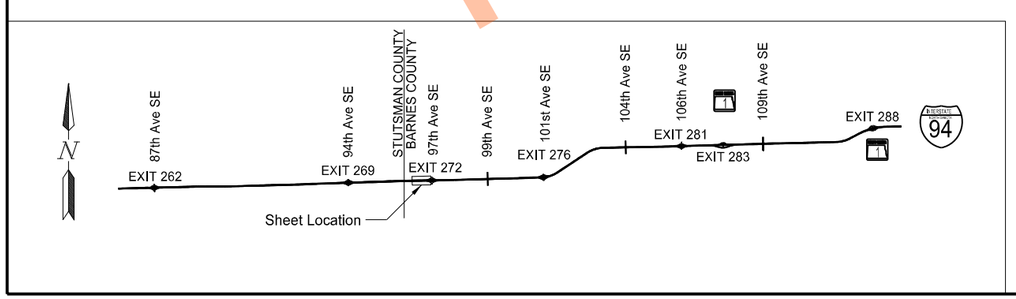
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14357+25.0 to Sta 14365+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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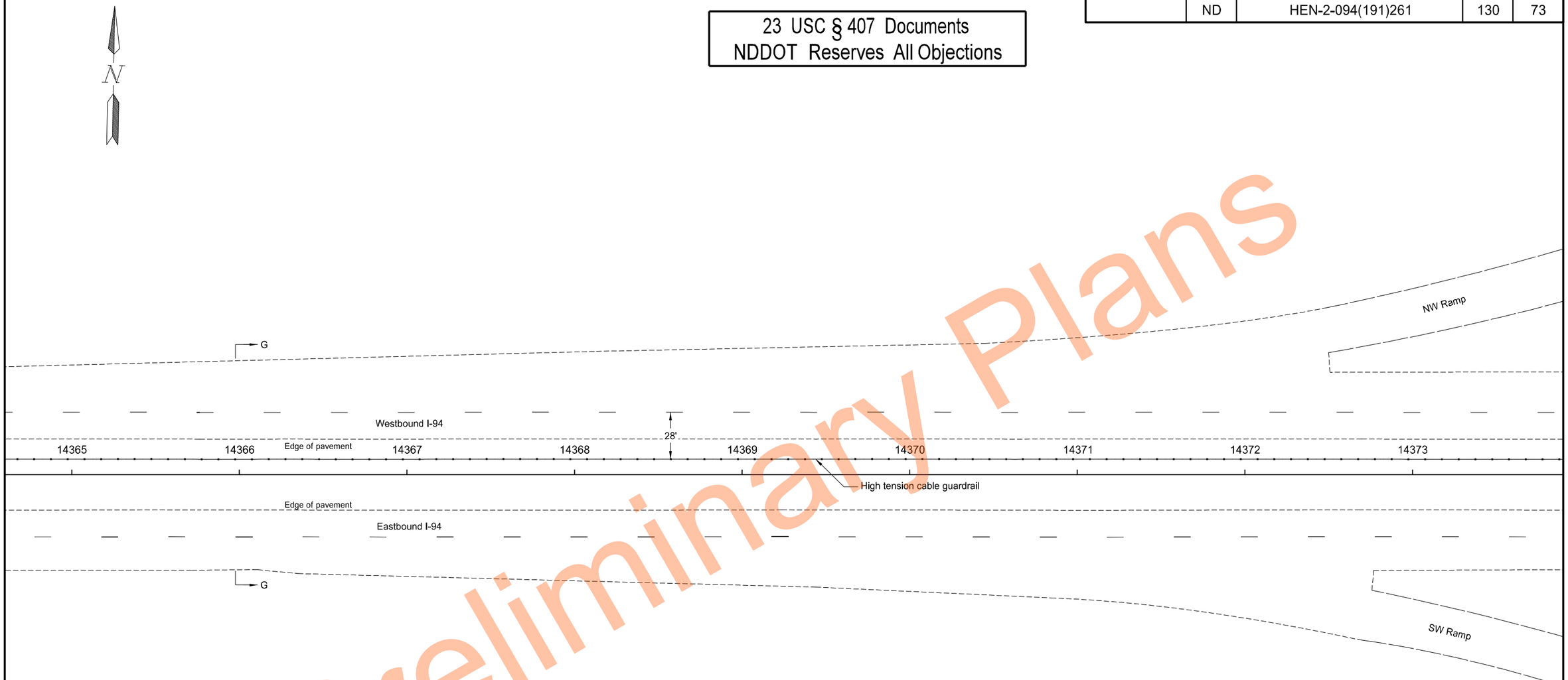
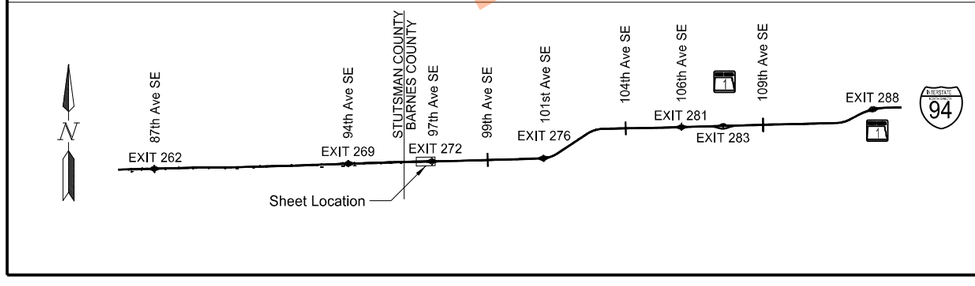
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	73

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment G
Sta 14365+25.0 to Sta 14373+25.0

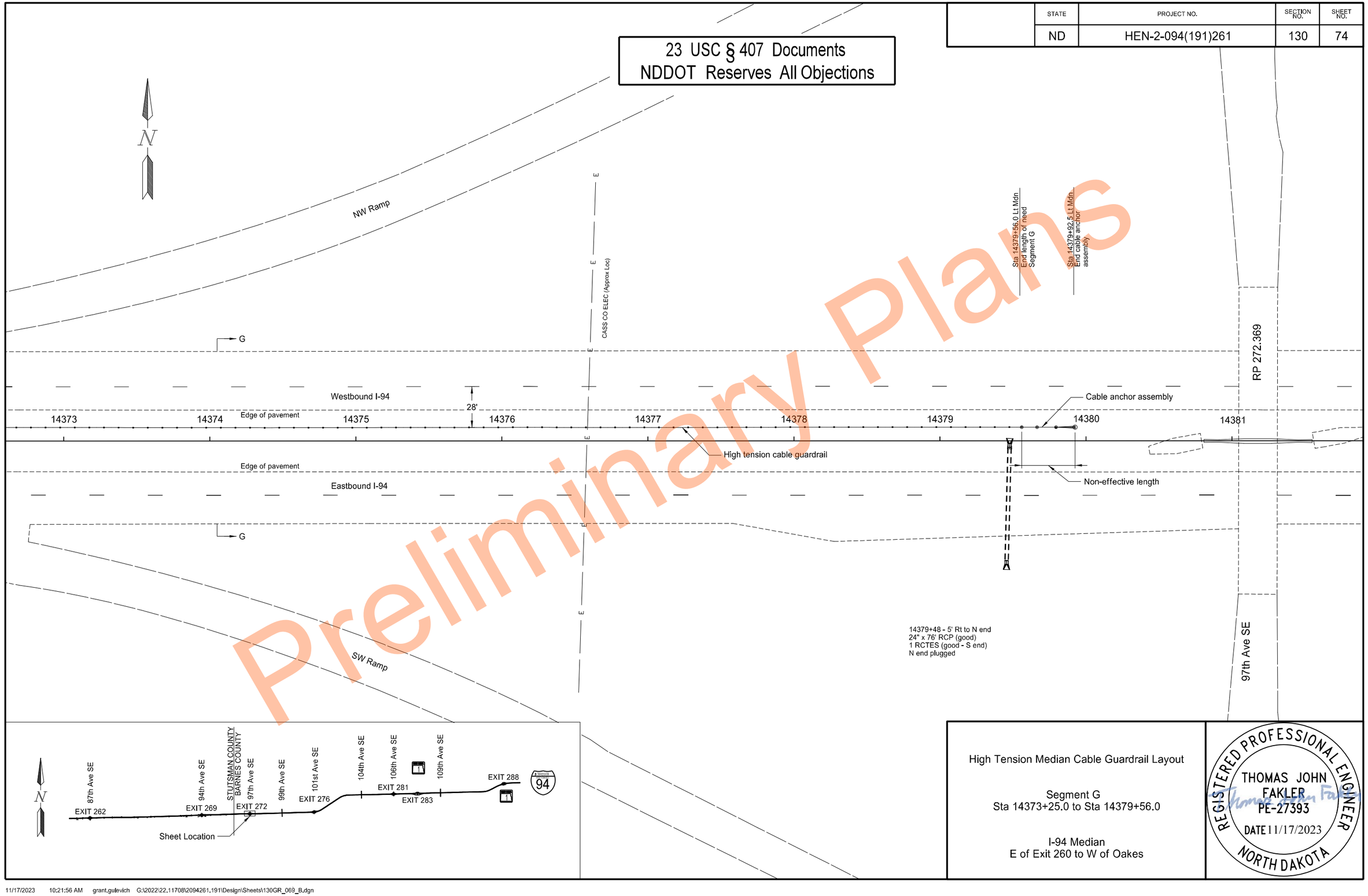
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

23 USC § 407 Documents
NDDOT Reserves All Objections

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	74



Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment G
Sta 14373+25.0 to Sta 14379+56.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
DATE 11/17/2023
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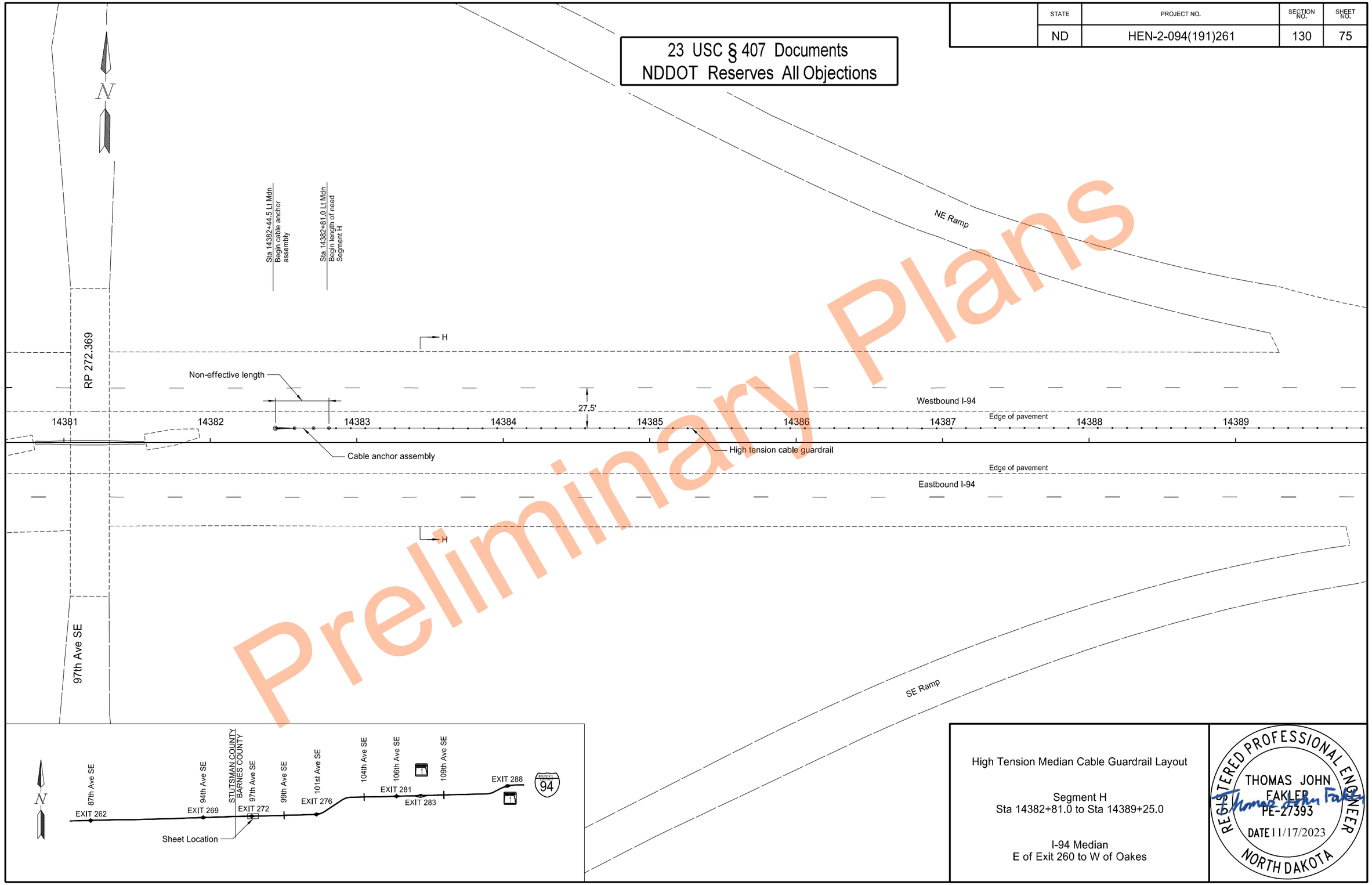
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	75

23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment H
Sta 14382+81.0 to Sta 14389+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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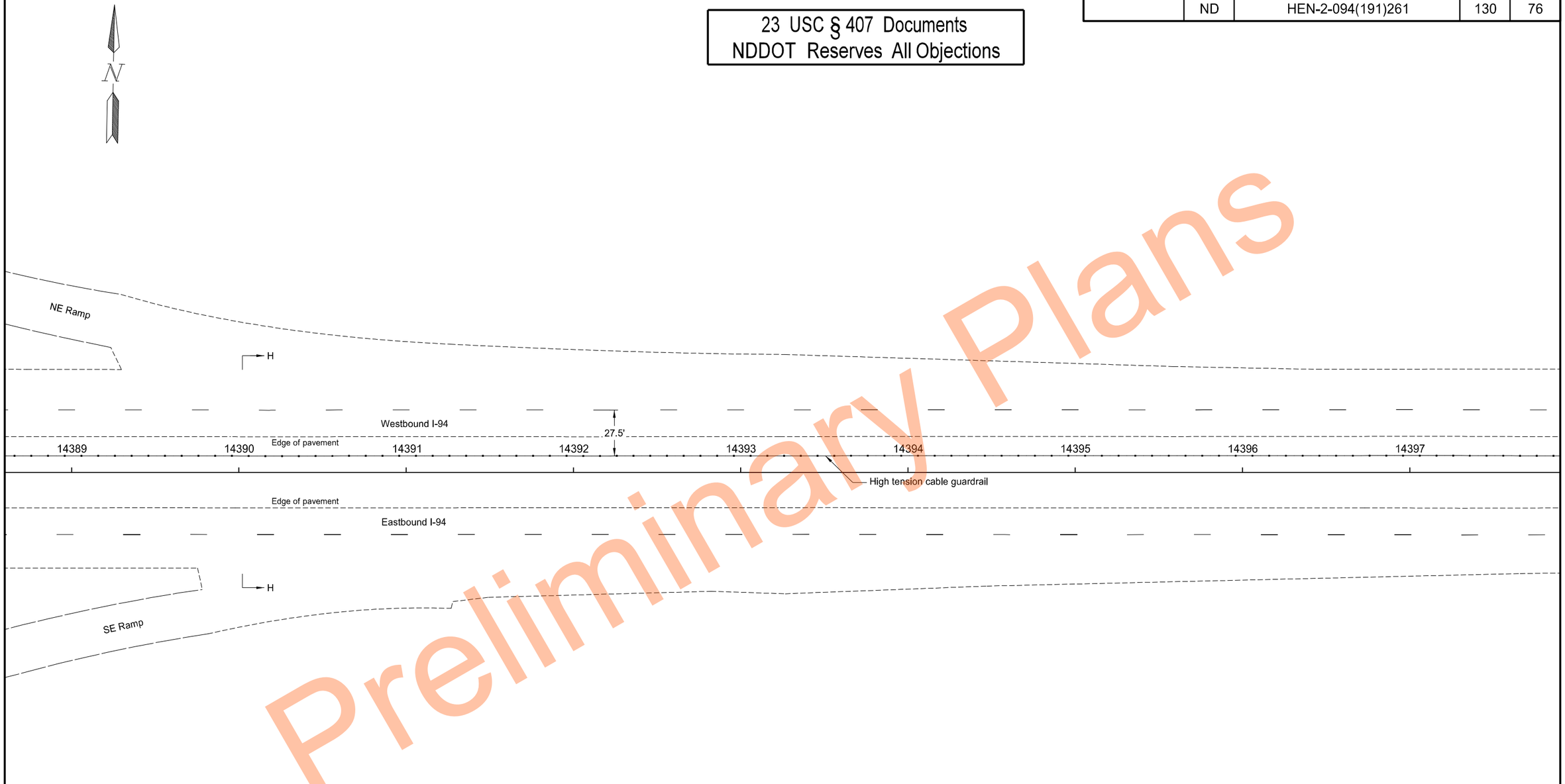
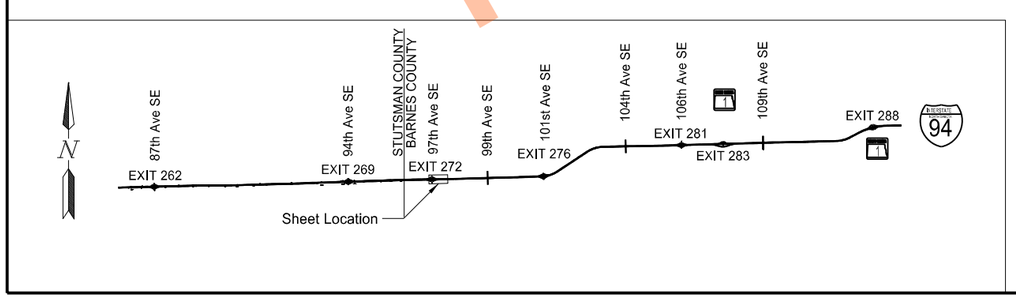
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	76

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14389+25.0 to Sta 14397+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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Preliminary Plans

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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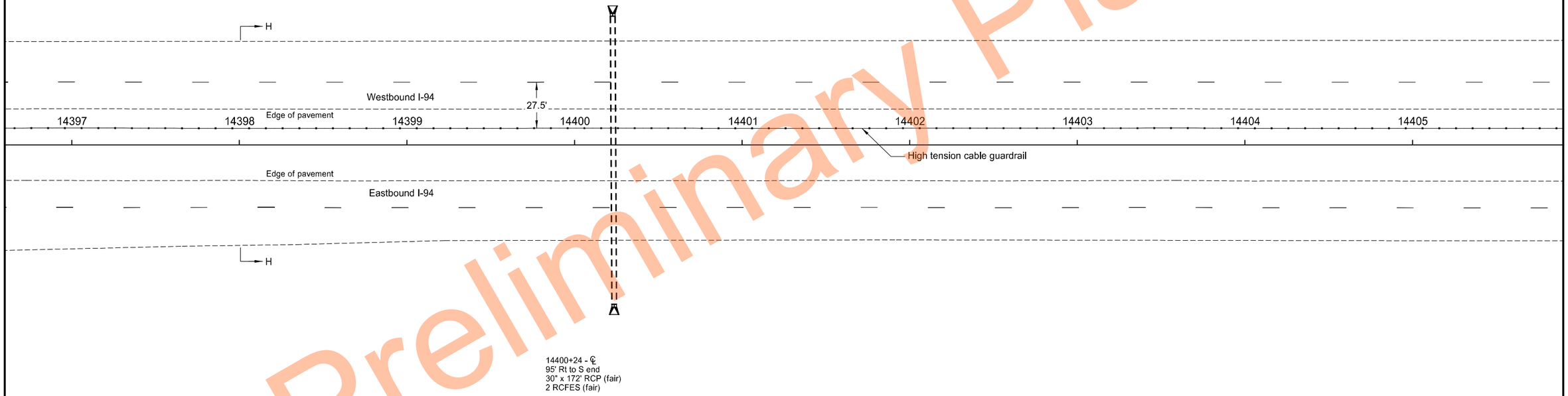
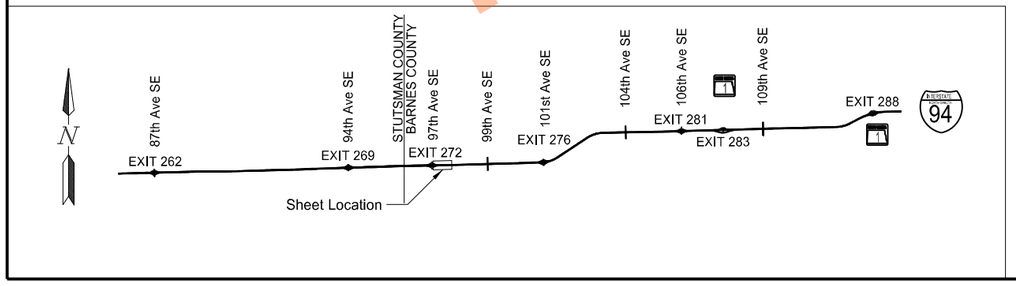
23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment H
Sta 14397+25.0 to Sta 14405+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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PE-27393
DATE 11/17/2023
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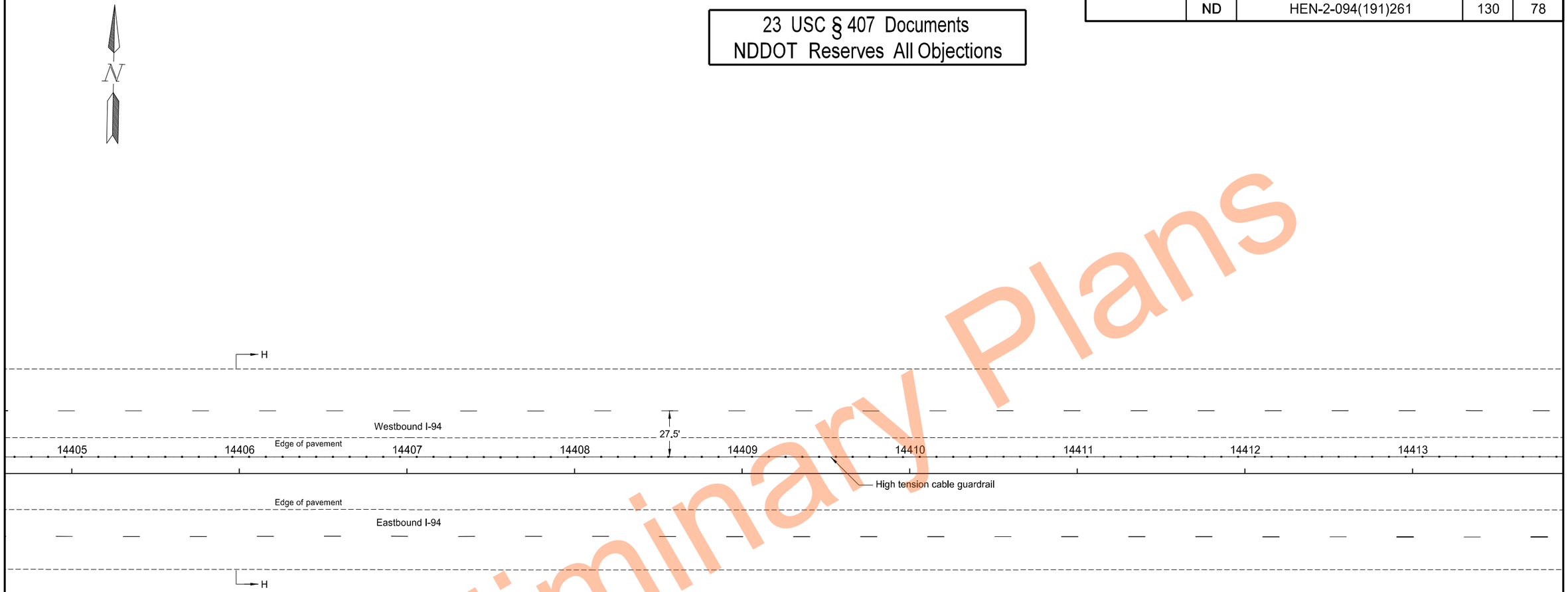
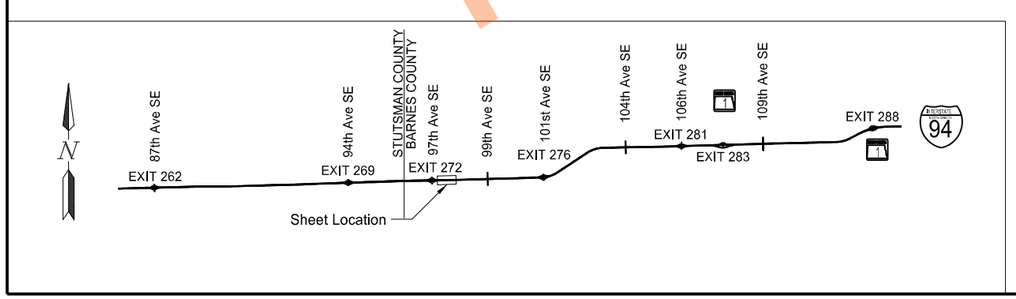
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	78

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14405+25.0 to Sta 14413+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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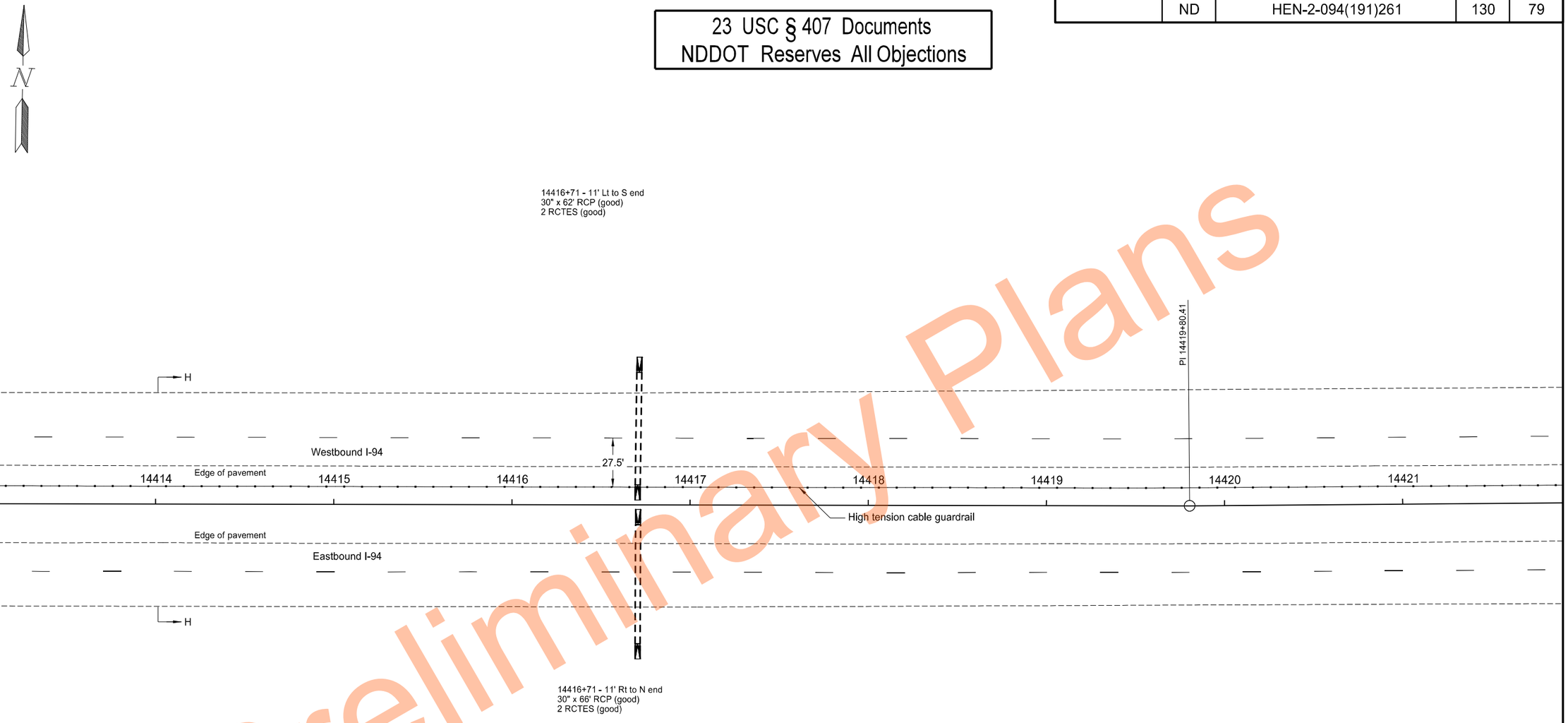
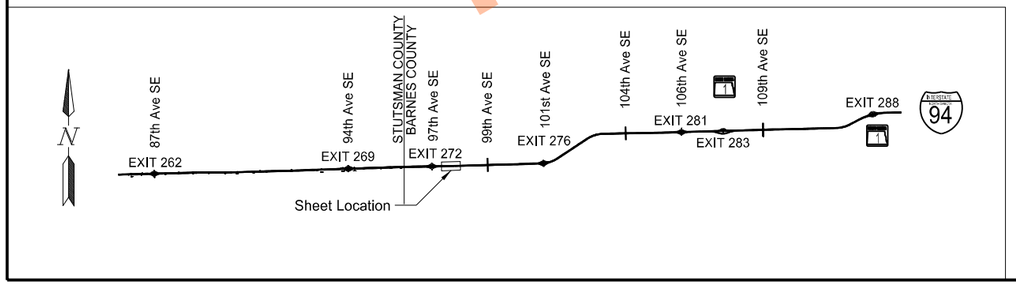
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	79

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14413+25.0 to Sta 14421+25.0

I-94 Median
E of Exit 260 to W of Oakes

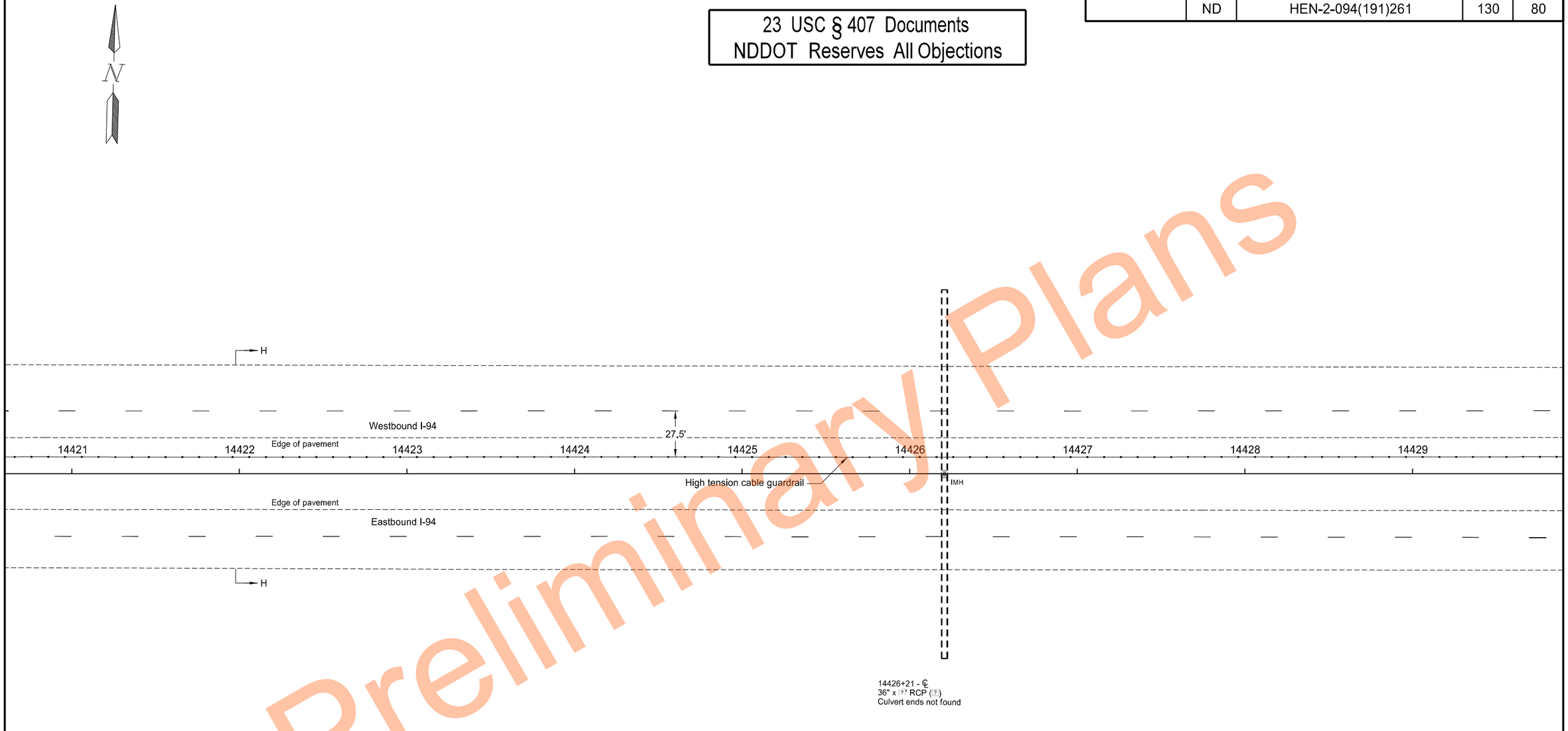
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

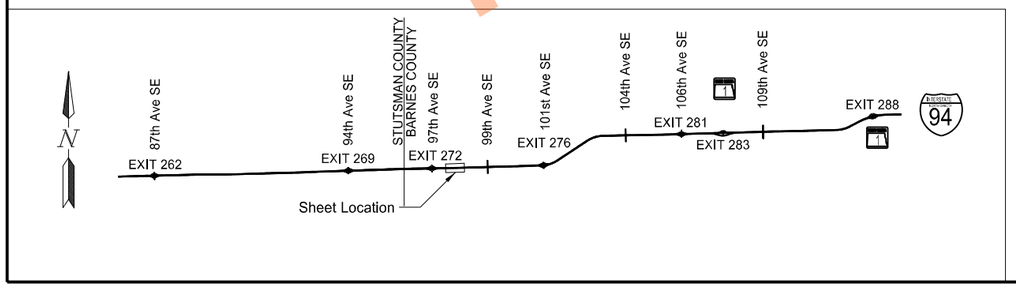
Thomas John Fakler

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	80

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14421+25.0 to Sta 14429+25.0

I-94 Median
E of Exit 260 to W of Oakes

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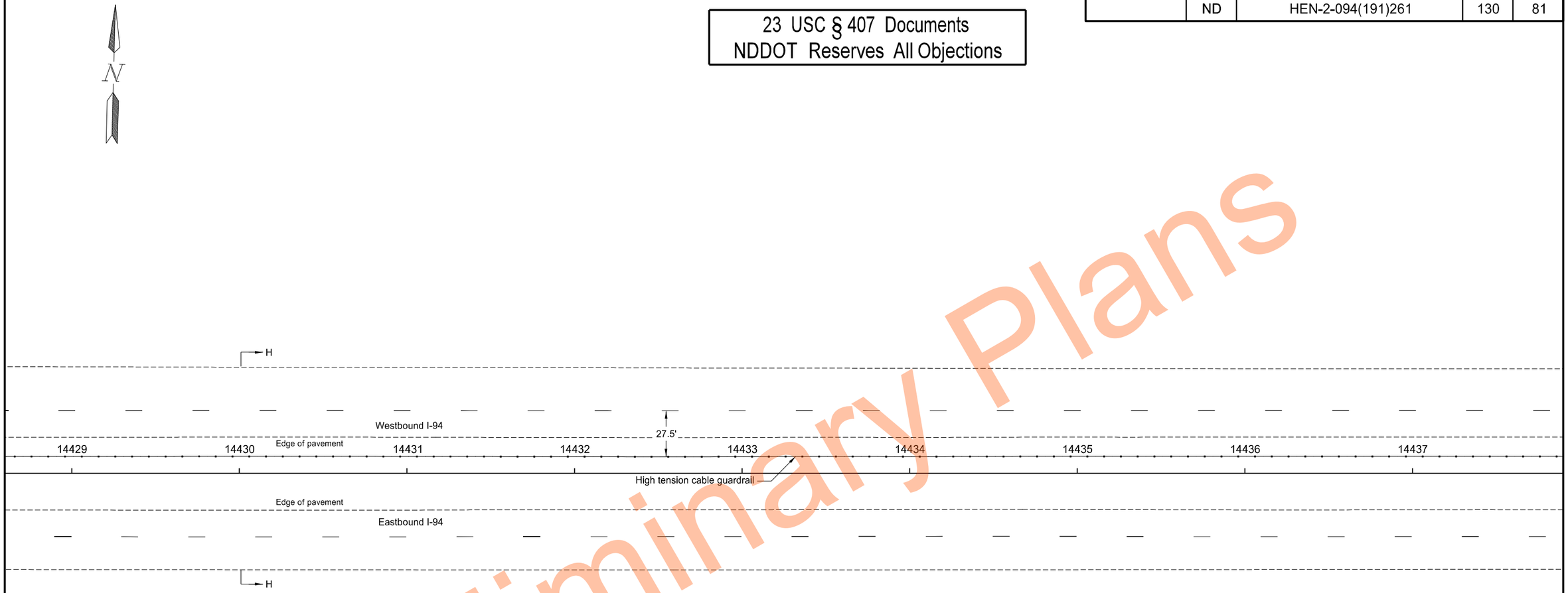
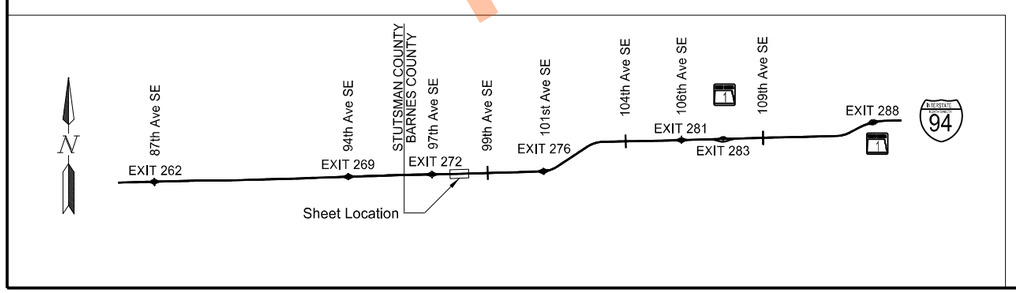
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	81

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14429+25.0 to Sta 14437+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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DATE 11/17/2023
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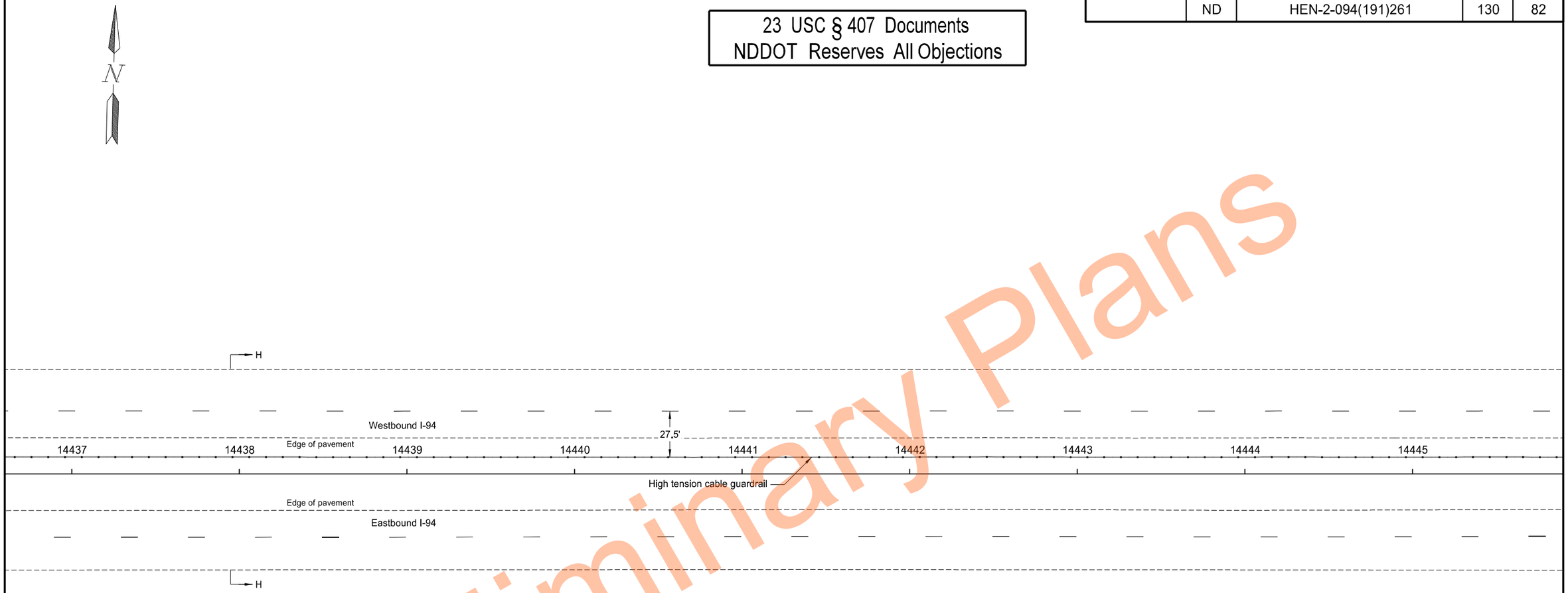
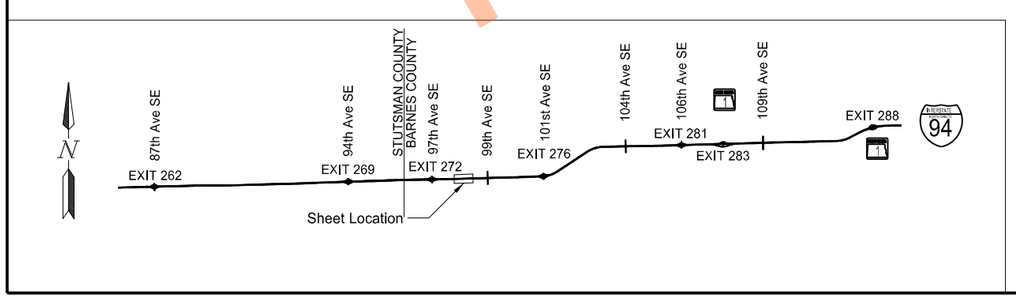
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	82

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14437+25.0 to Sta 14445+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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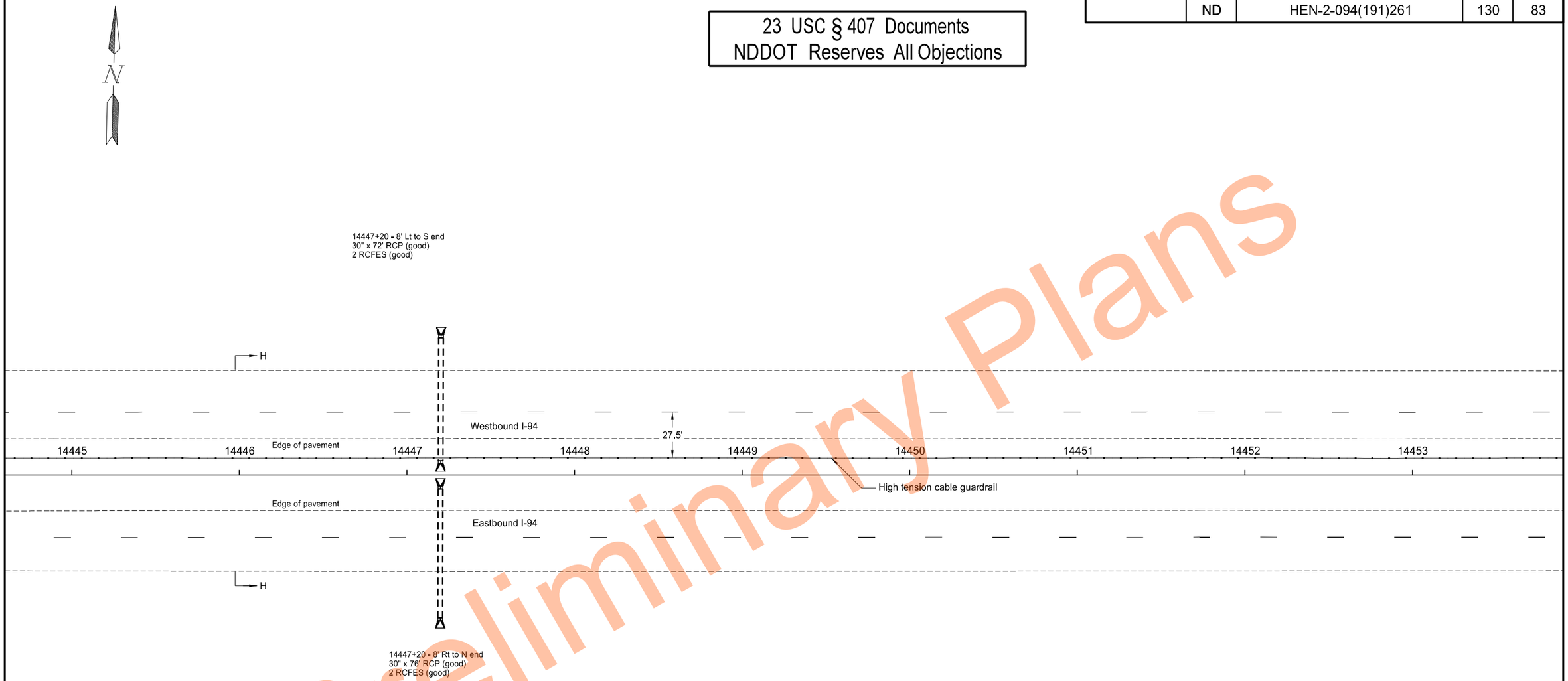
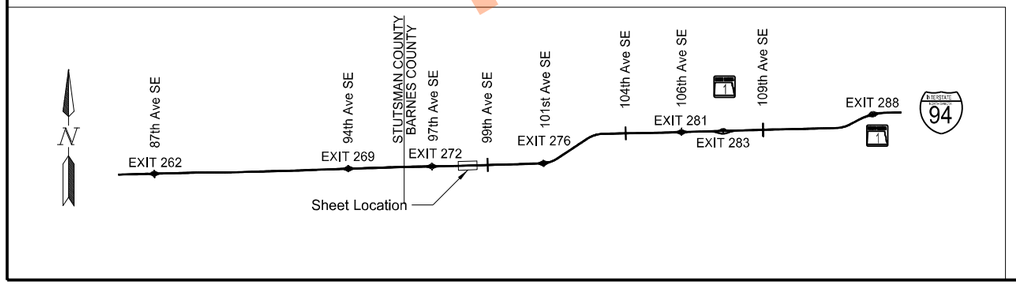
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	83

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14445+25.0 to Sta 14453+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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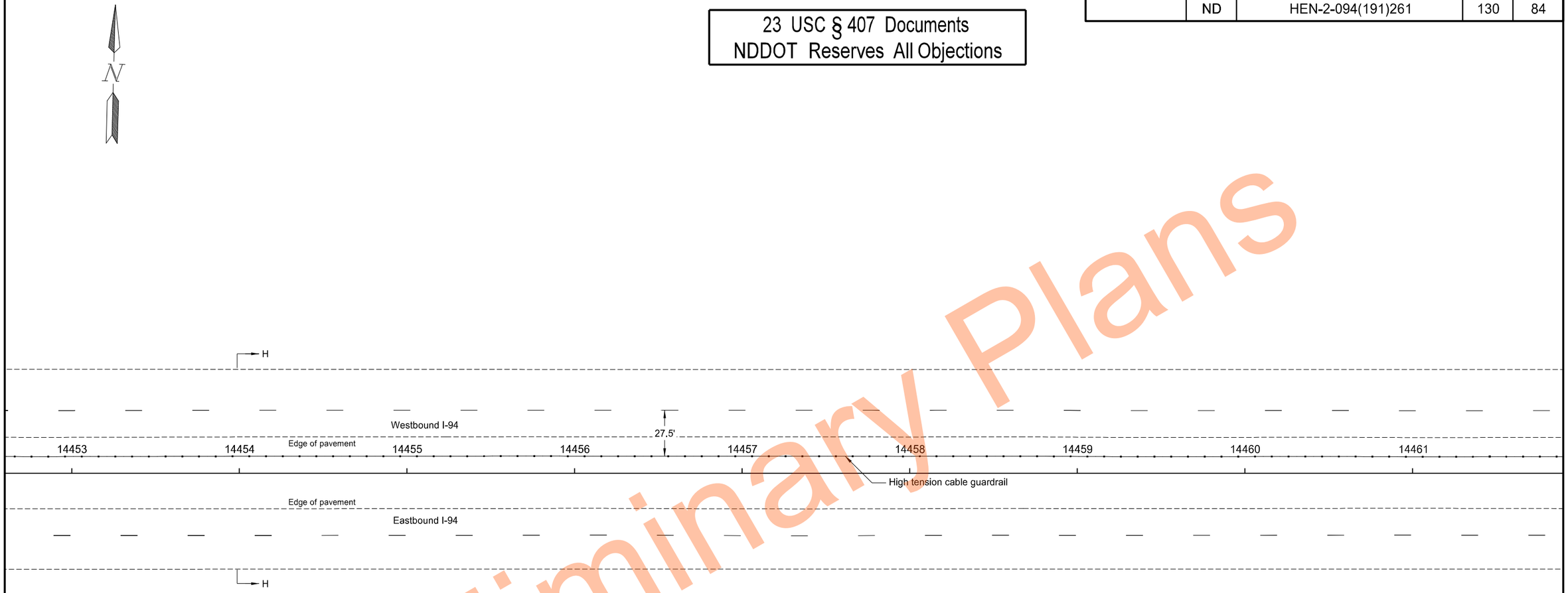
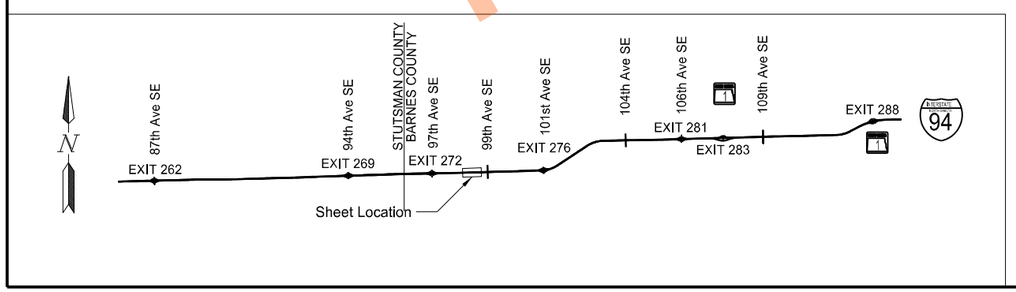
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	84

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H
Sta 14453+25.0 to Sta 14461+25.0

I-94 Median
E of Exit 260 to W of Oakes

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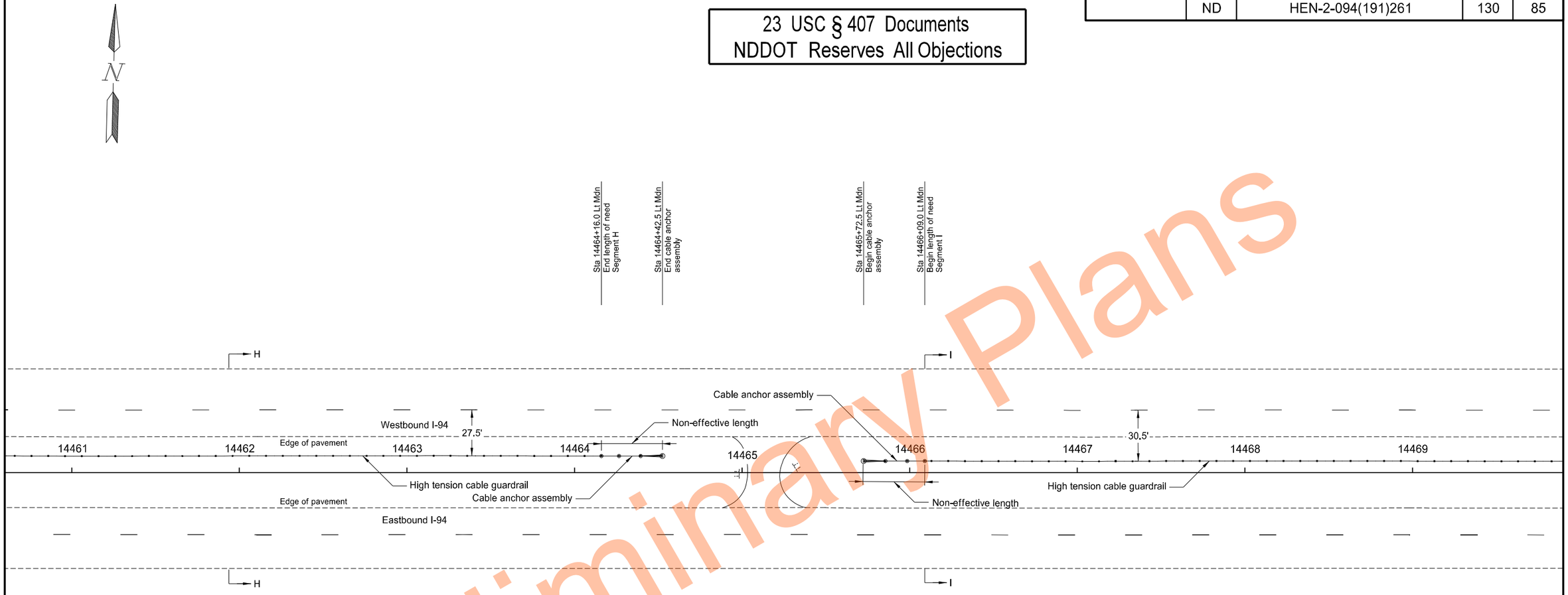
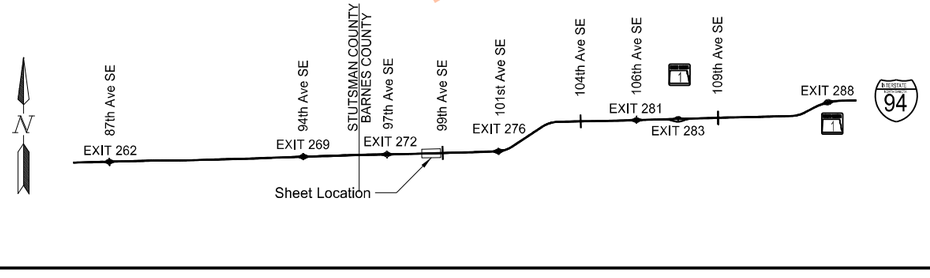
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	85

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment H - Sta 14461+25.0 to Sta 14464+16.0
Segment I - Sta 14466+09.0 to Sta 14469+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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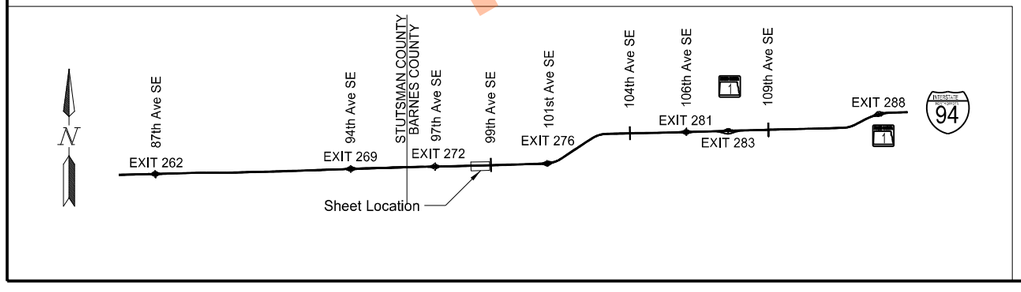
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	86

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment I
Sta 14469+25.0 to Sta 14477+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
DATE 11/17/2023
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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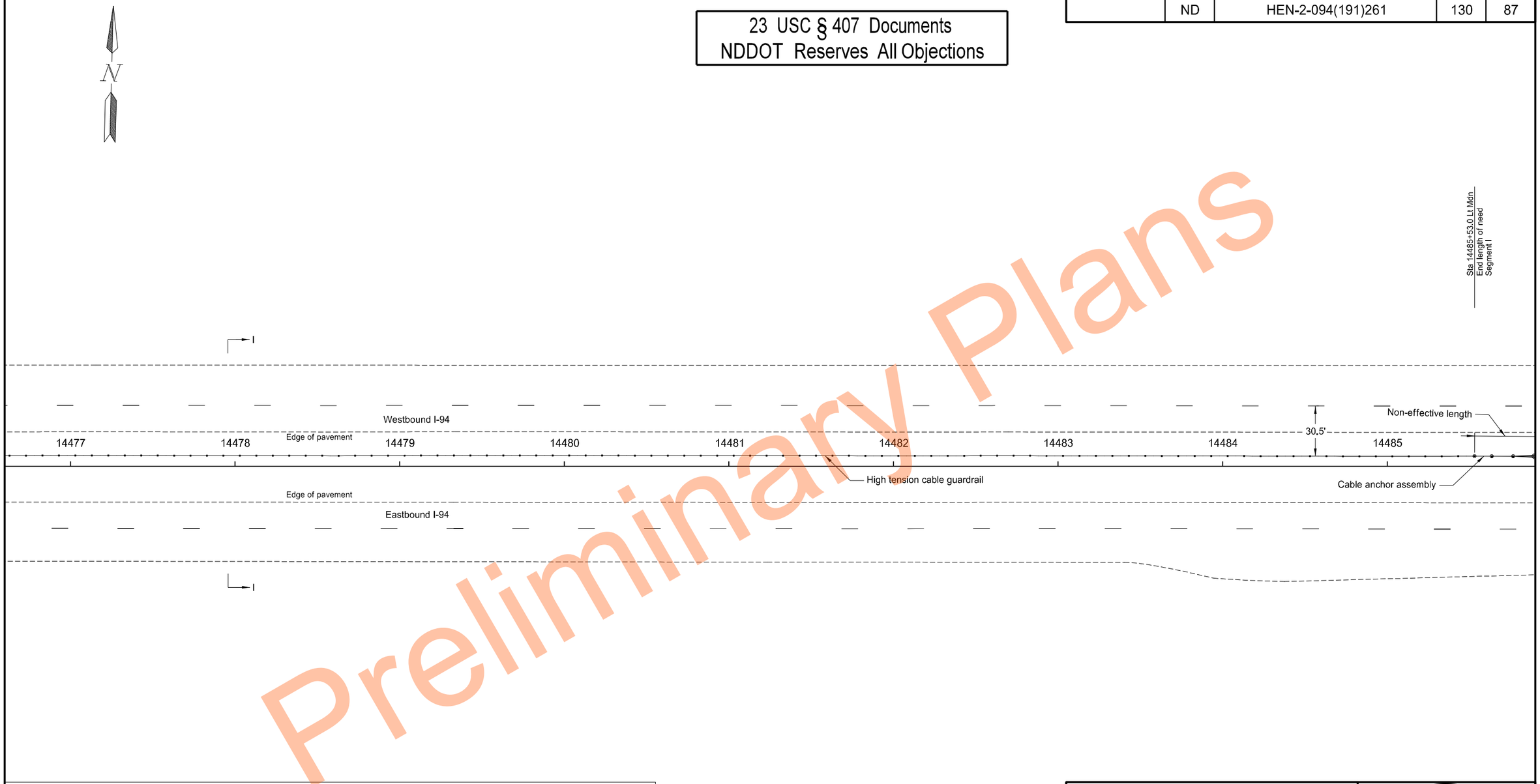
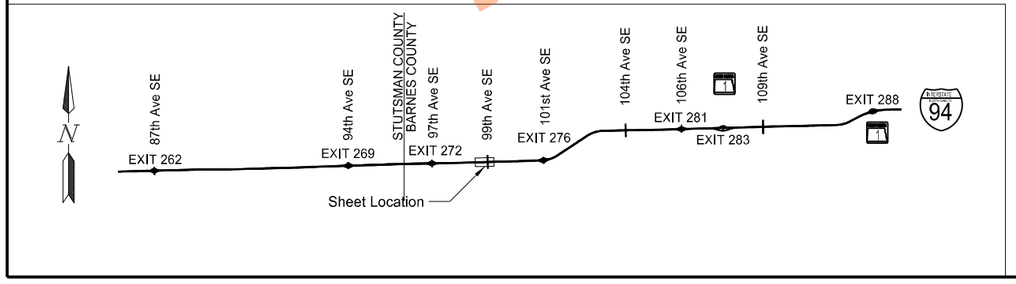
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment I
Sta 14477+25.0 to Sta 14485+25.0

I-94 Median
E of Exit 260 to W of Oakes

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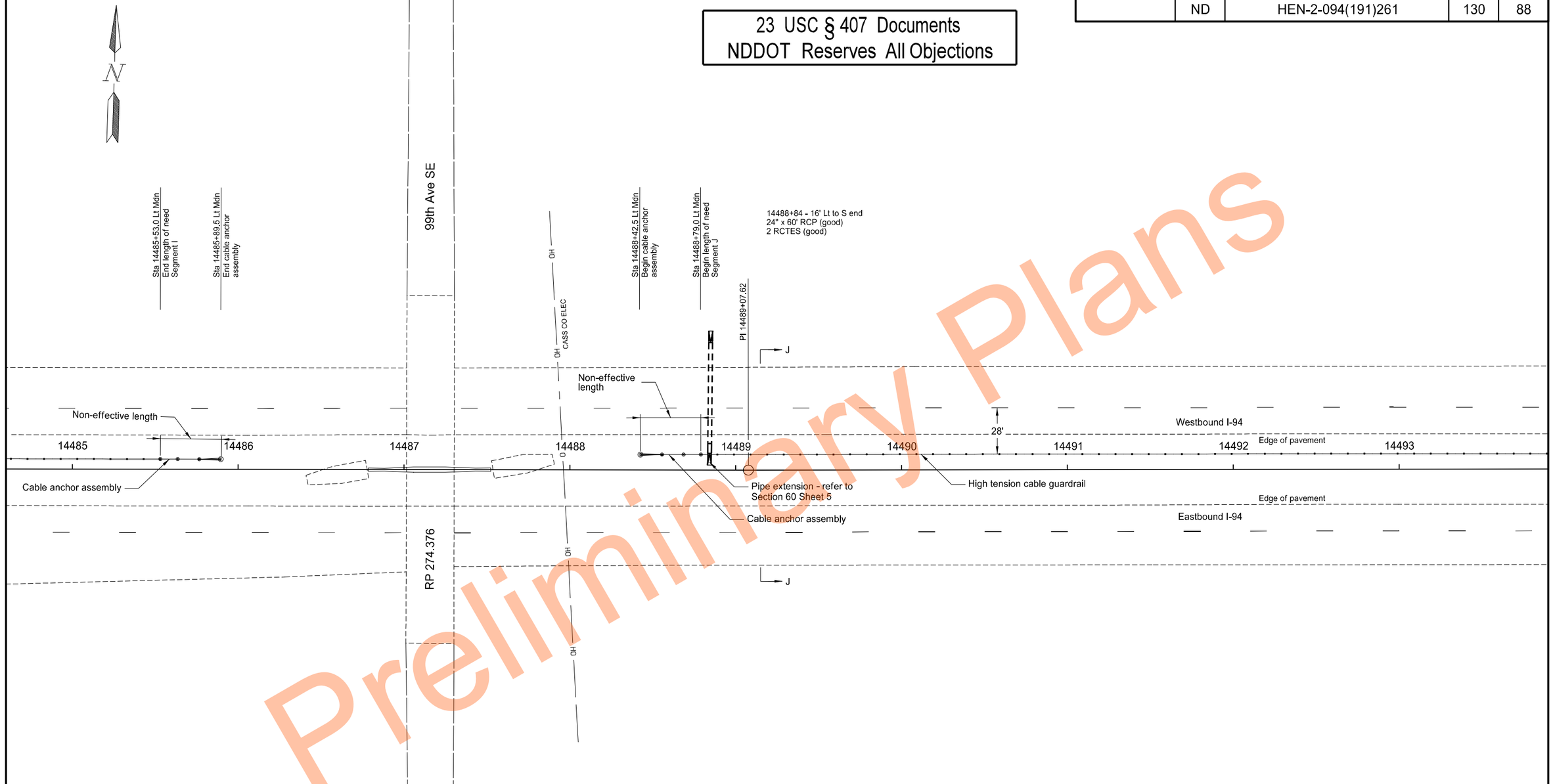
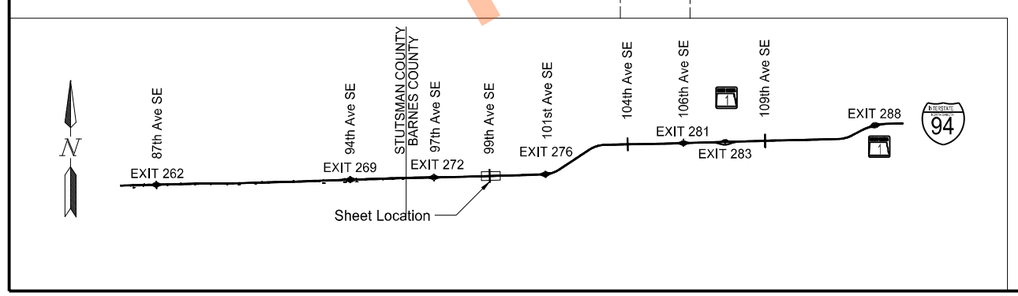
Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	88

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment I - Sta 14485+25.0 to Sta 14485+53.0
Segment J - Sta 14488+79.0 to Sta 14493+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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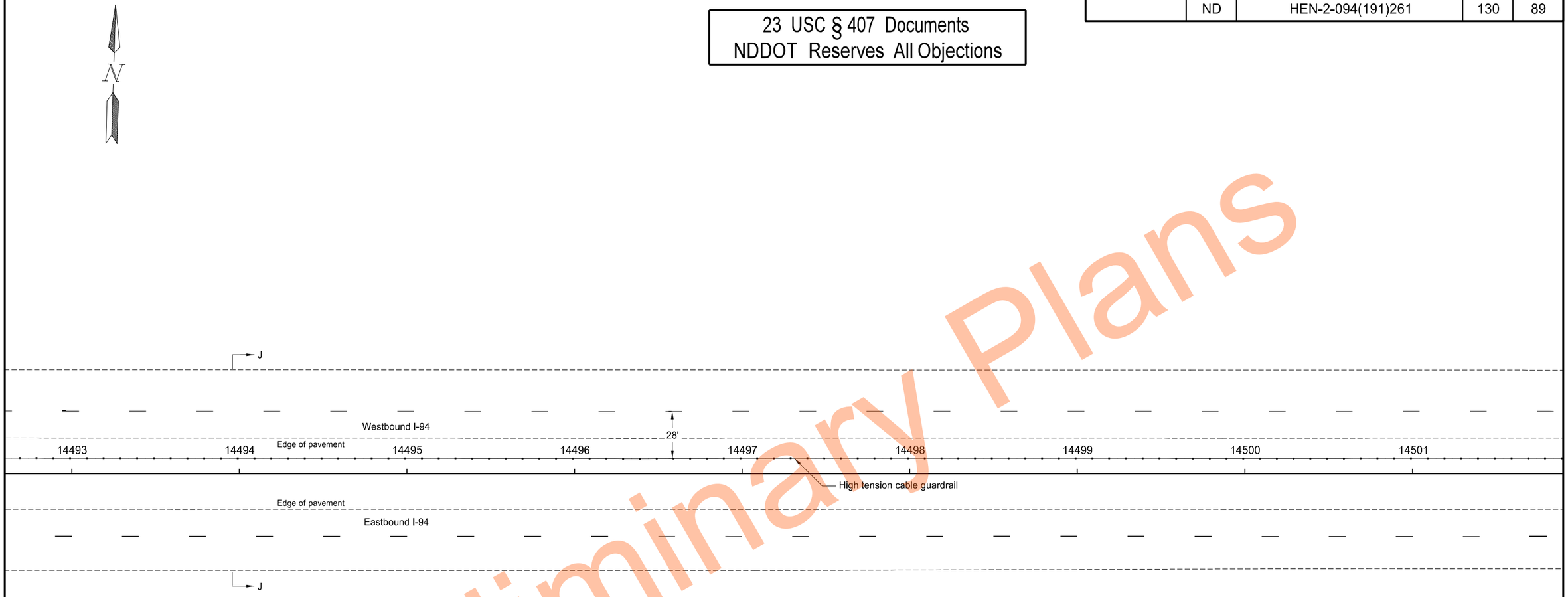
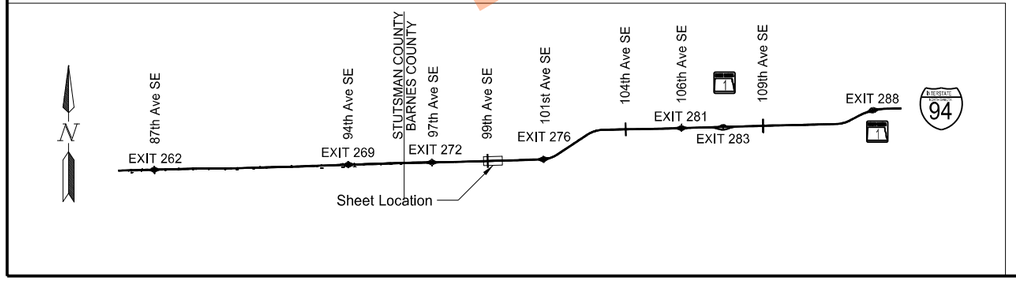
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14493+25.0 to Sta 14501+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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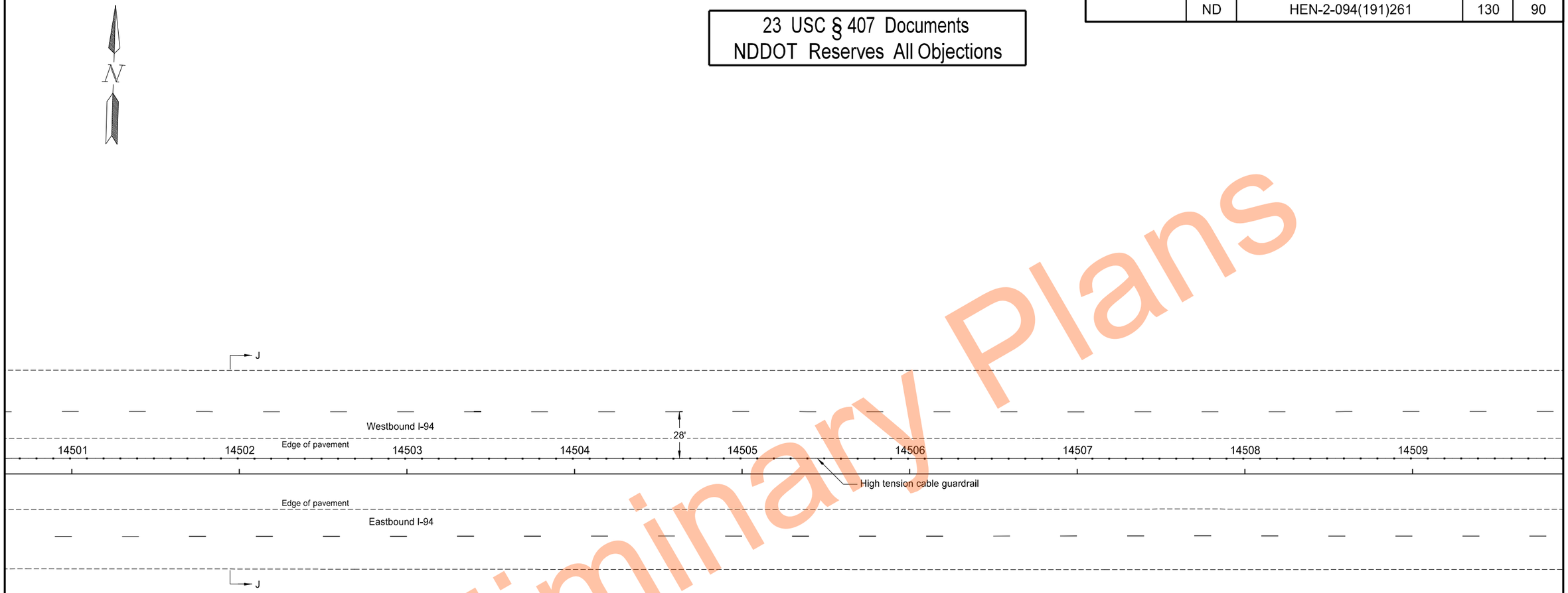
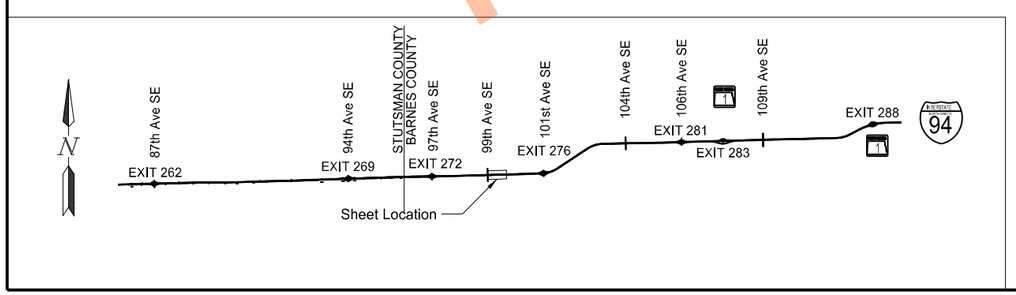
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	90

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14501+25.0 to Sta 14509+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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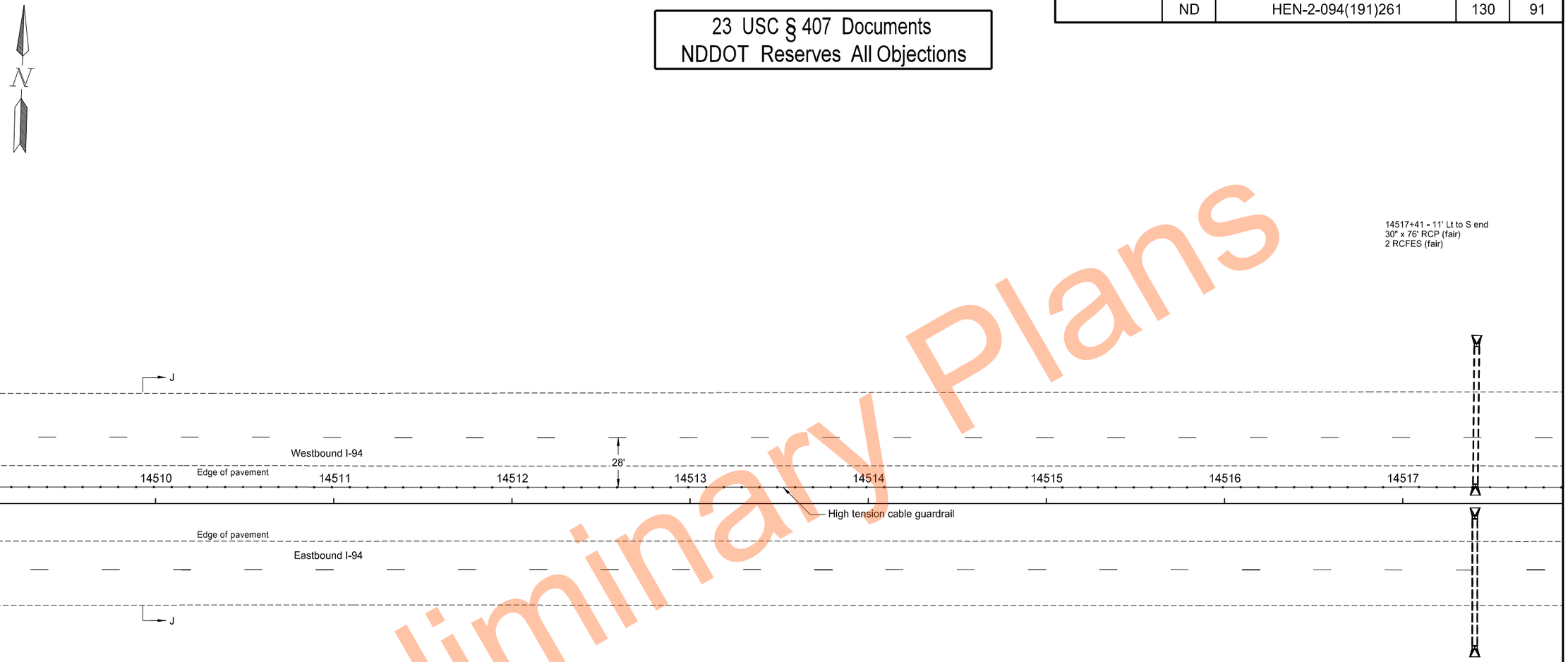
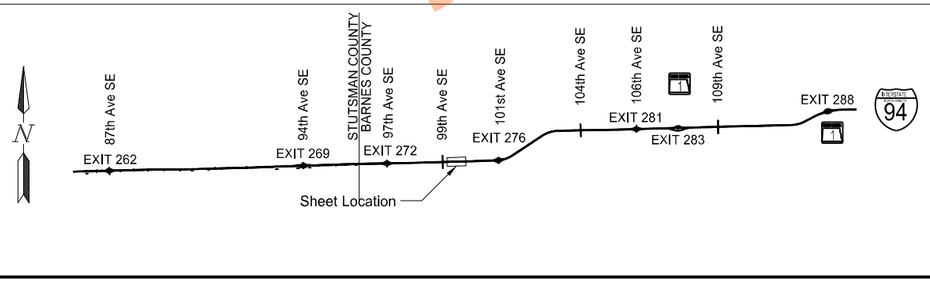
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	91

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14509+25.0 to Sta 14517+25.0

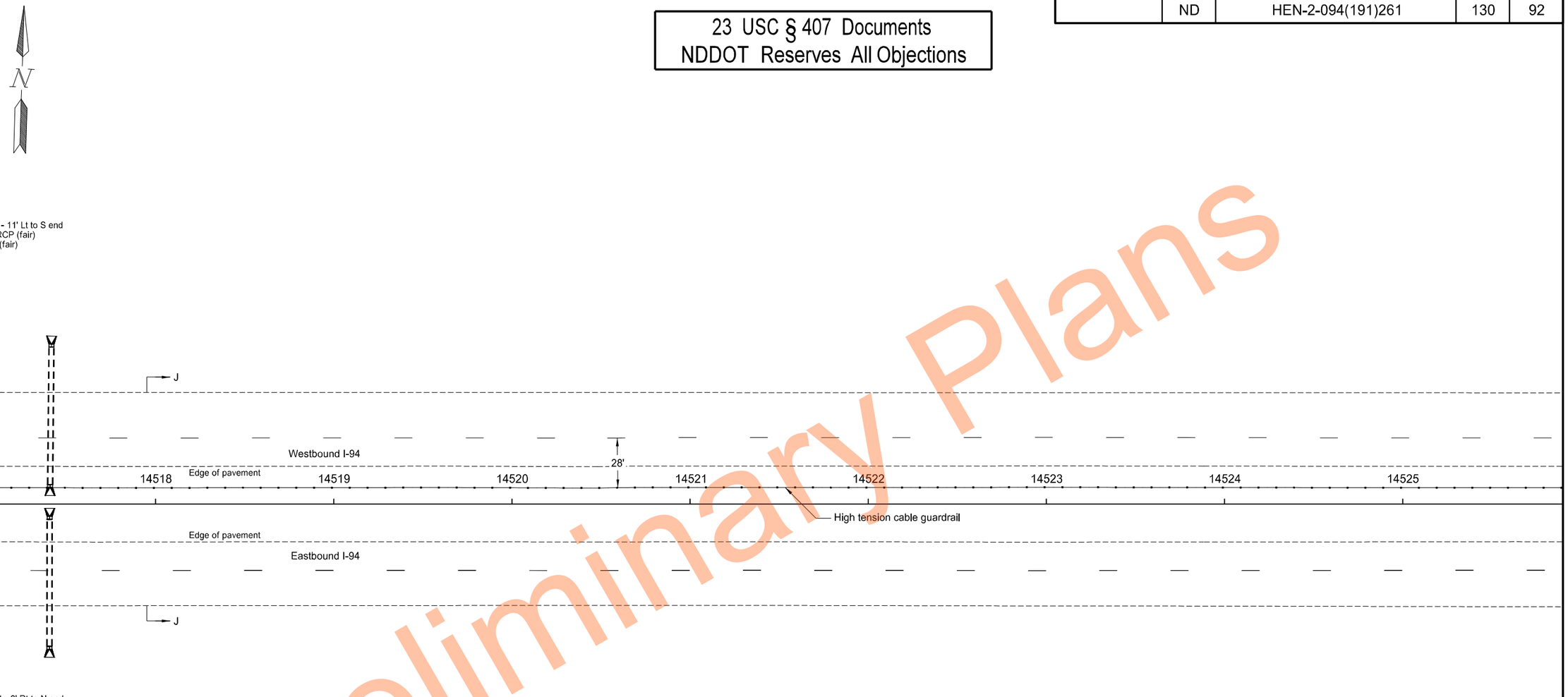
I-94 Median
E of Exit 260 to W of Oakes

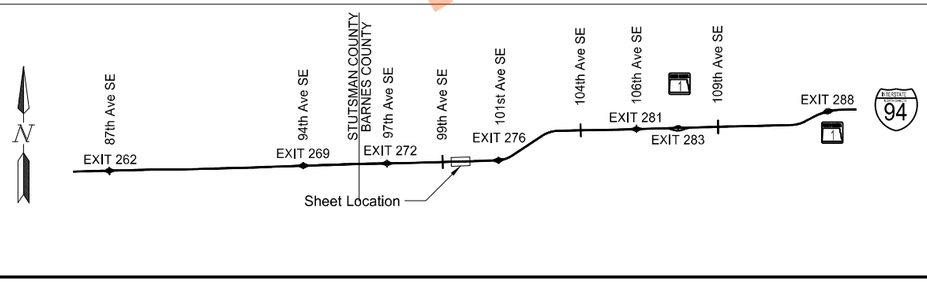
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	92

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14517+25.0 to Sta 14525+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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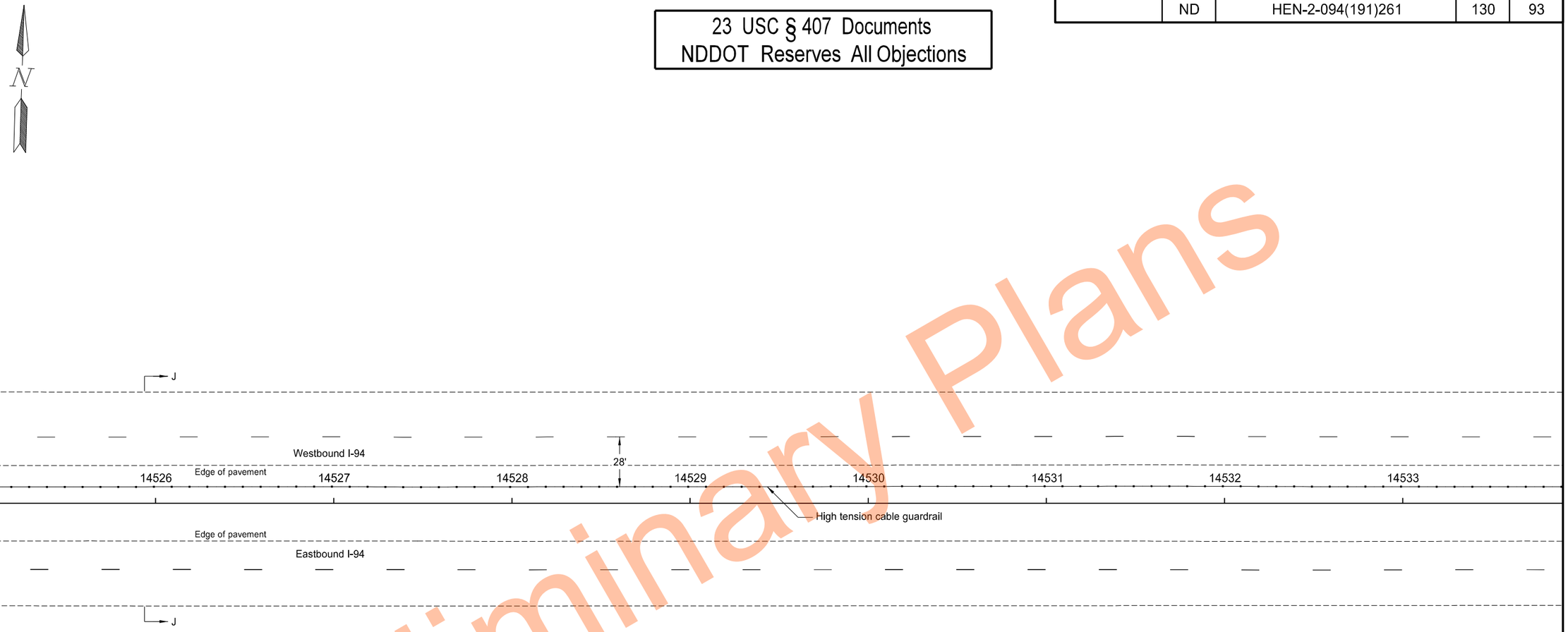
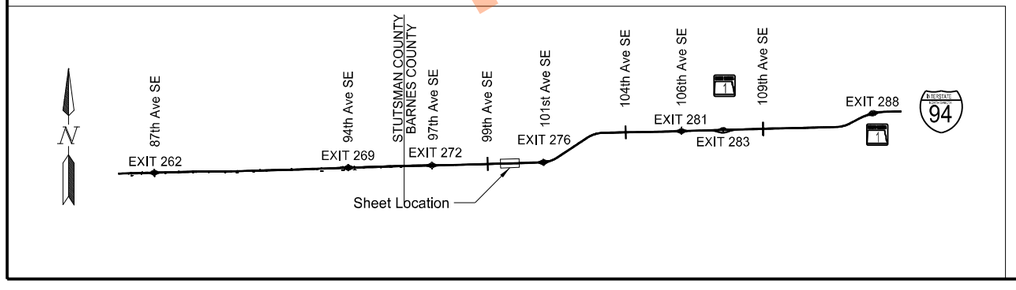
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	93

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14525+25.0 to Sta 14533+25.0

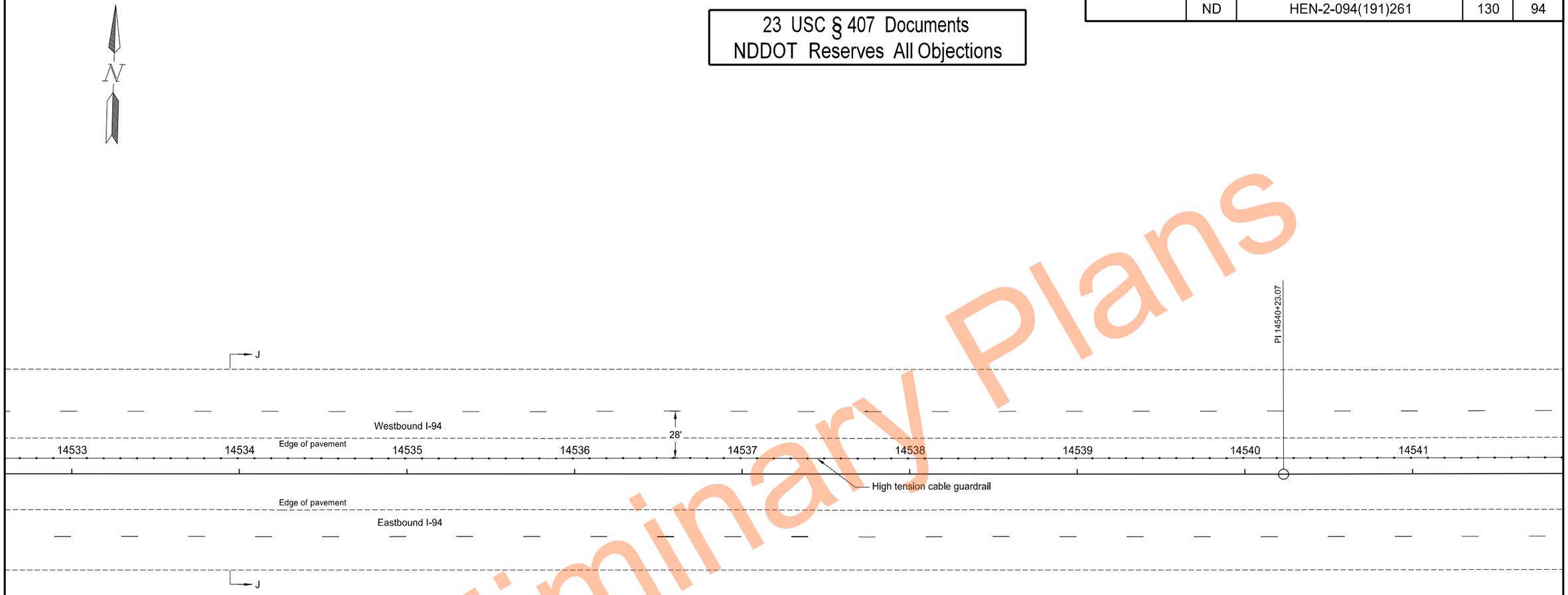
I-94 Median
E of Exit 260 to W of Oakes

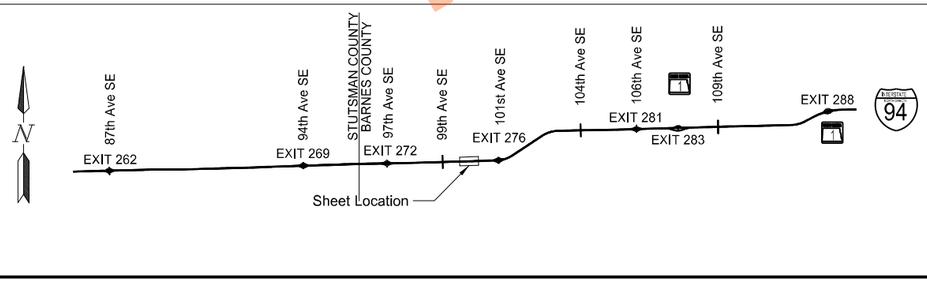
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	94

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14533+25.0 to Sta 14541+25.0

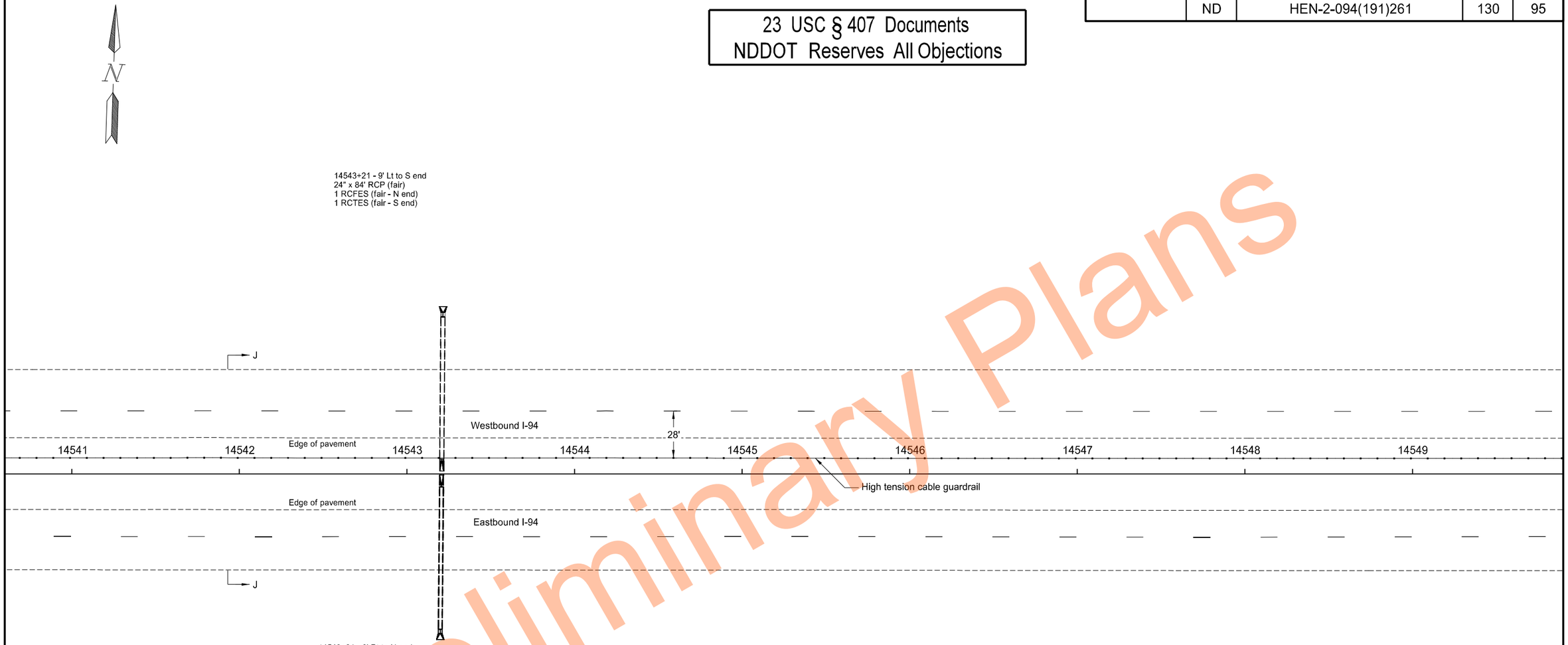
I-94 Median
E of Exit 260 to W of Oakes

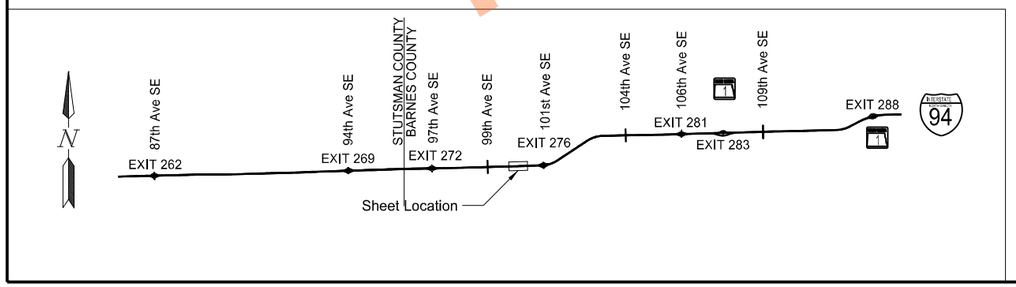
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	95

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14541+25.0 to Sta 14549+25.0

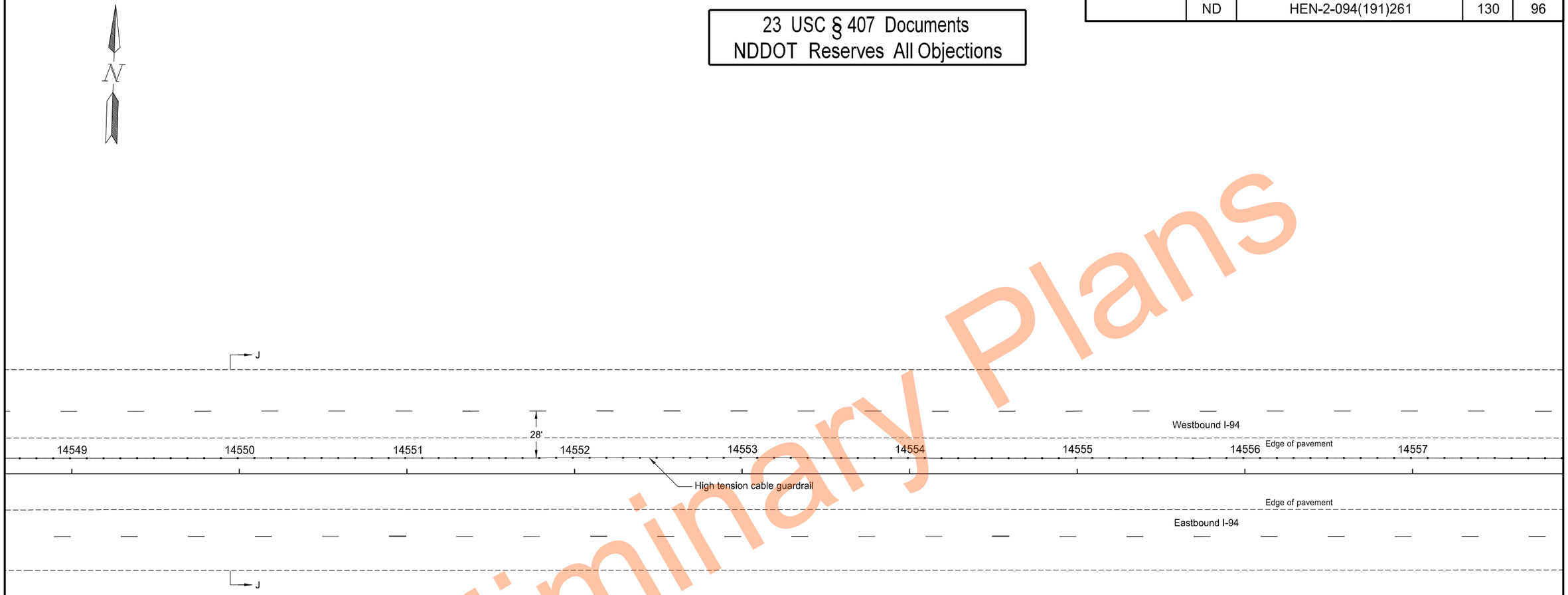
I-94 Median
E of Exit 260 to W of Oakes

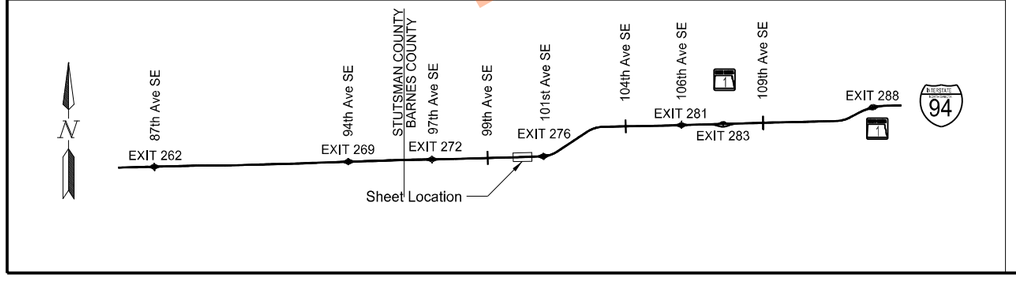
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	96

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14549+25.0 to Sta 14557+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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DATE 11/17/2023
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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	97

23 USC § 407 Documents
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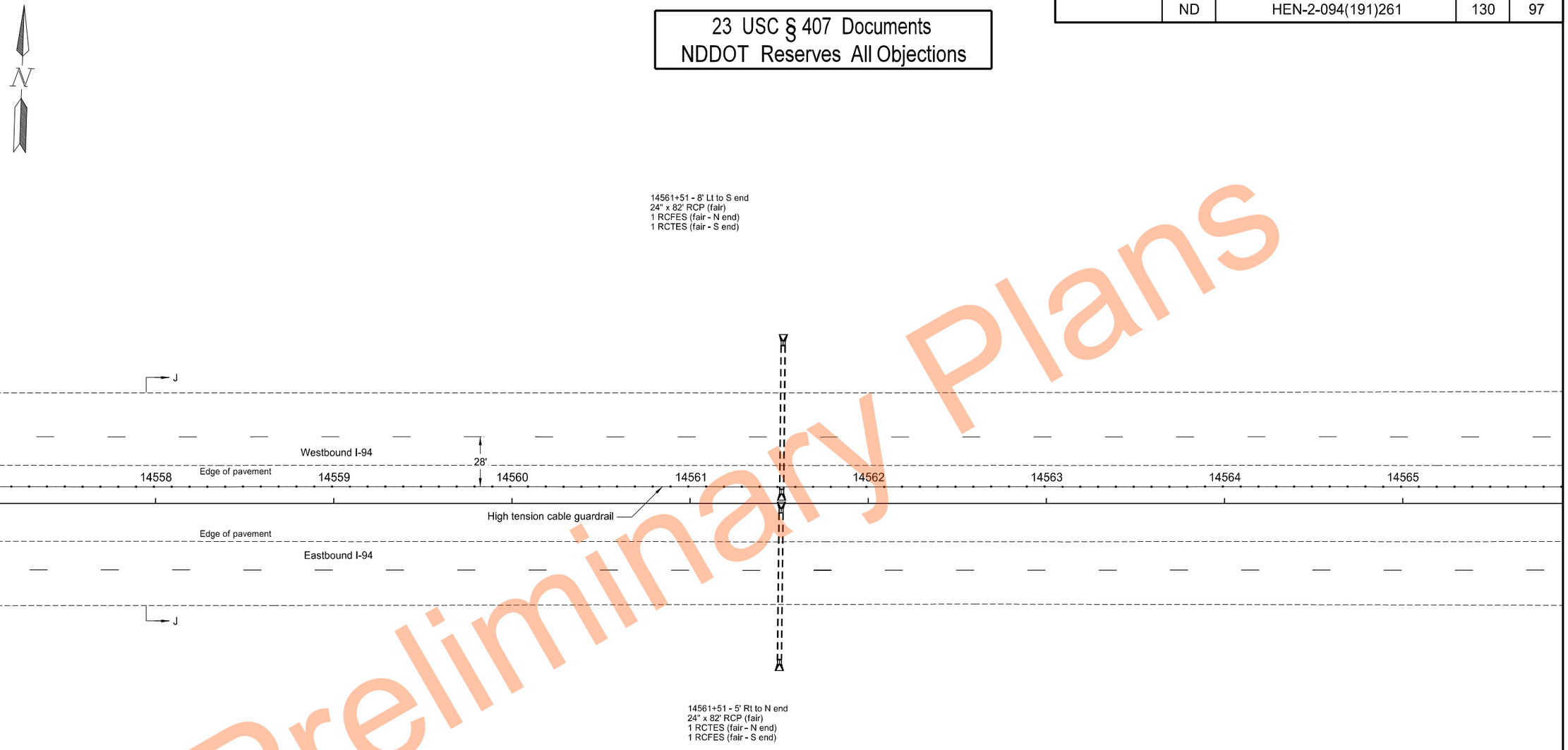

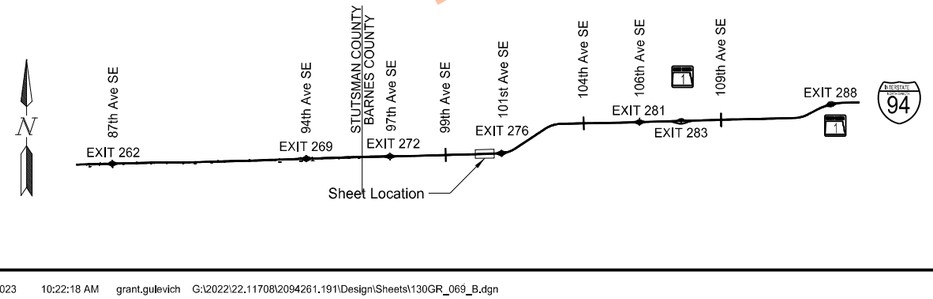

High Tension Median Cable Guardrail Layout

Segment J
Sta 14557+25.0 to Sta 14565+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	98

23 USC § 407 Documents
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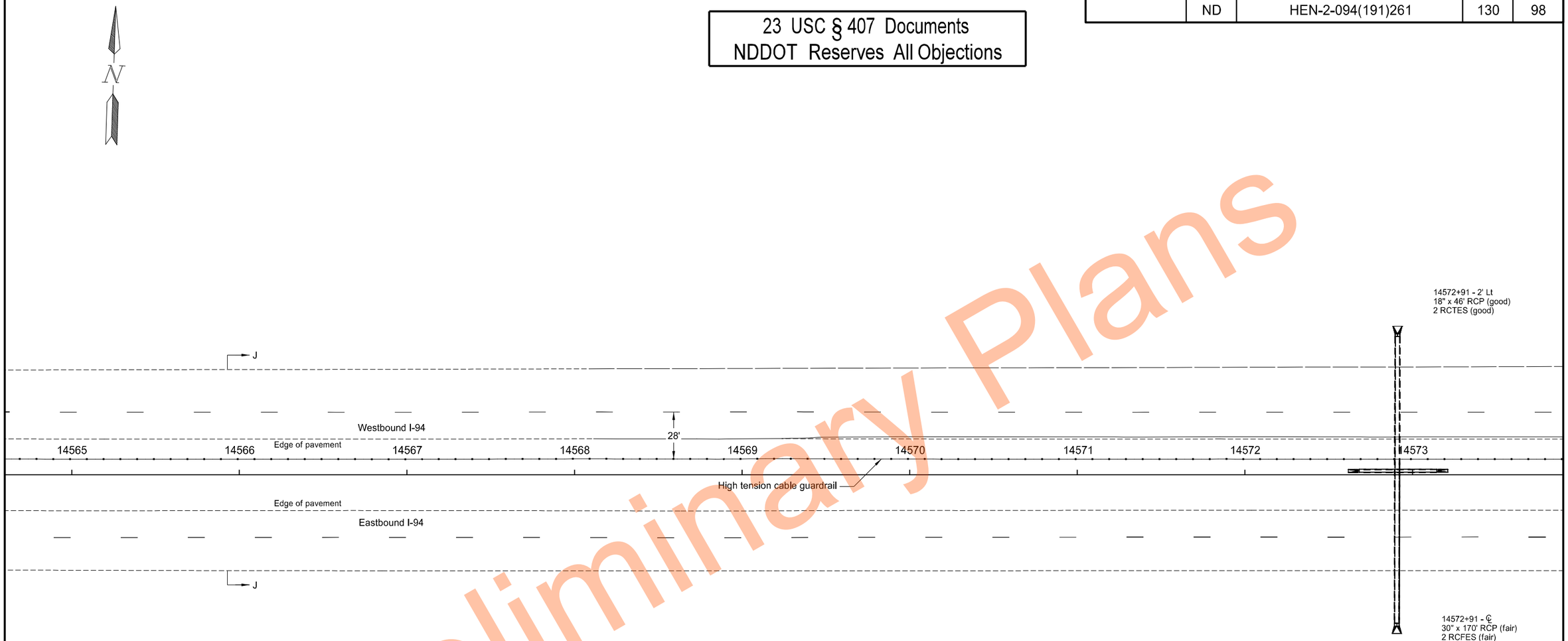

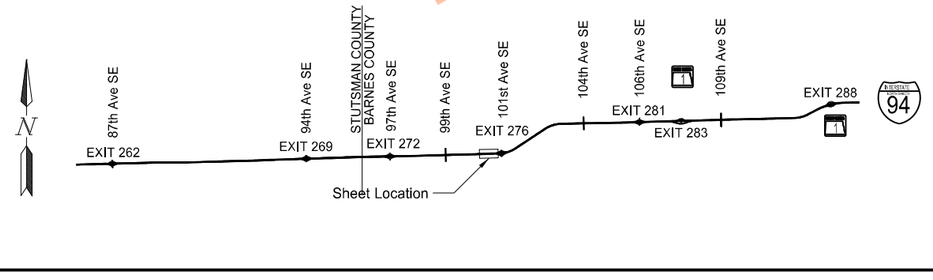

High Tension Median Cable Guardrail Layout

Segment J
Sta 14565+25.0 to Sta 14573+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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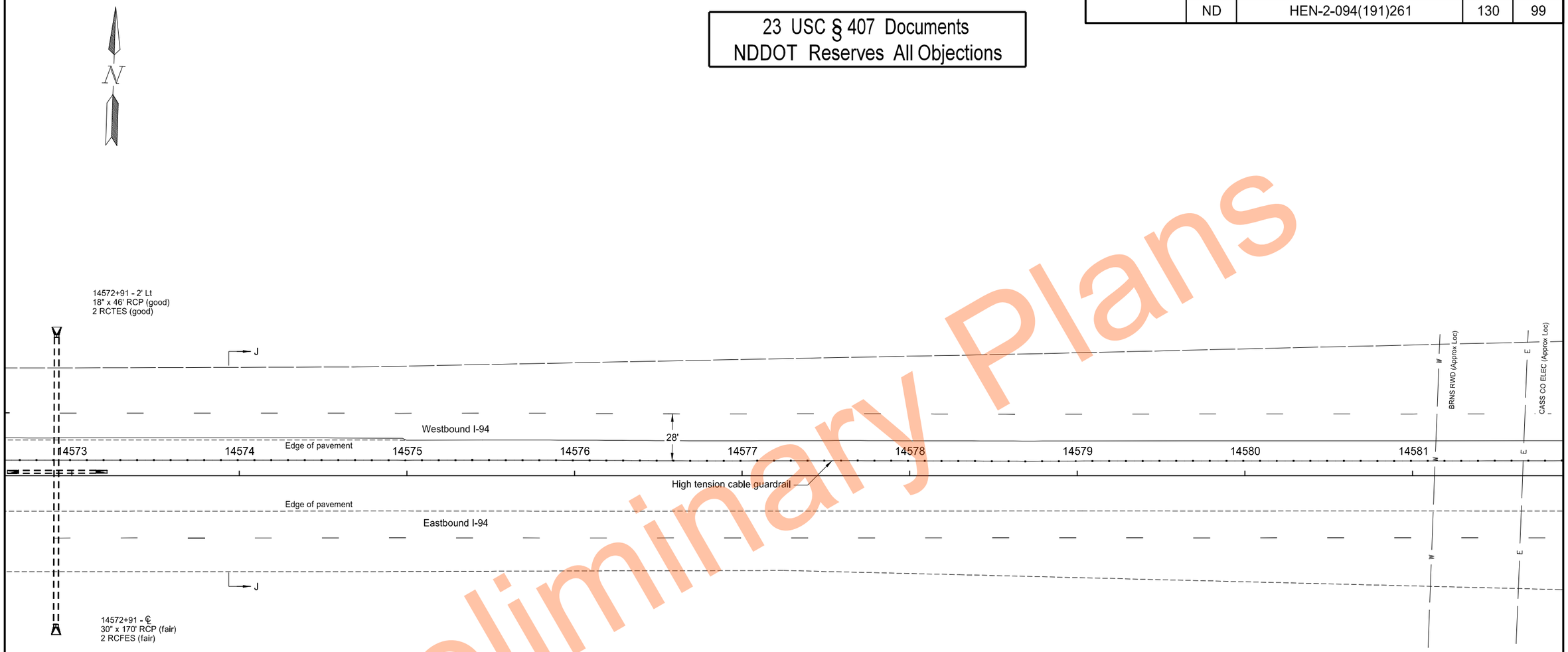
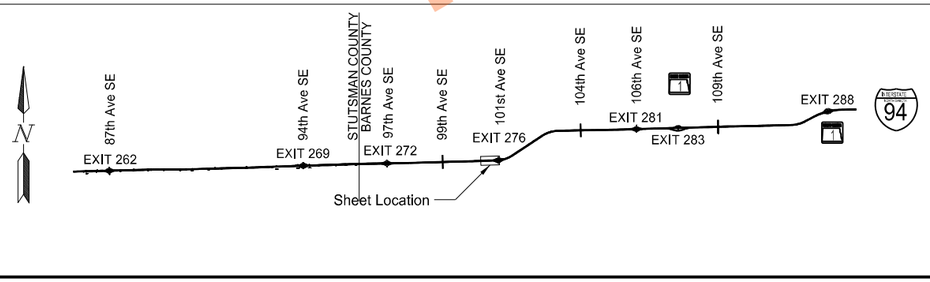
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	99

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment J
Sta 14573+25.0 to Sta 14581+25.0

I-94 Median
E of Exit 260 to W of Oakes

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THOMAS JOHN FAKLER
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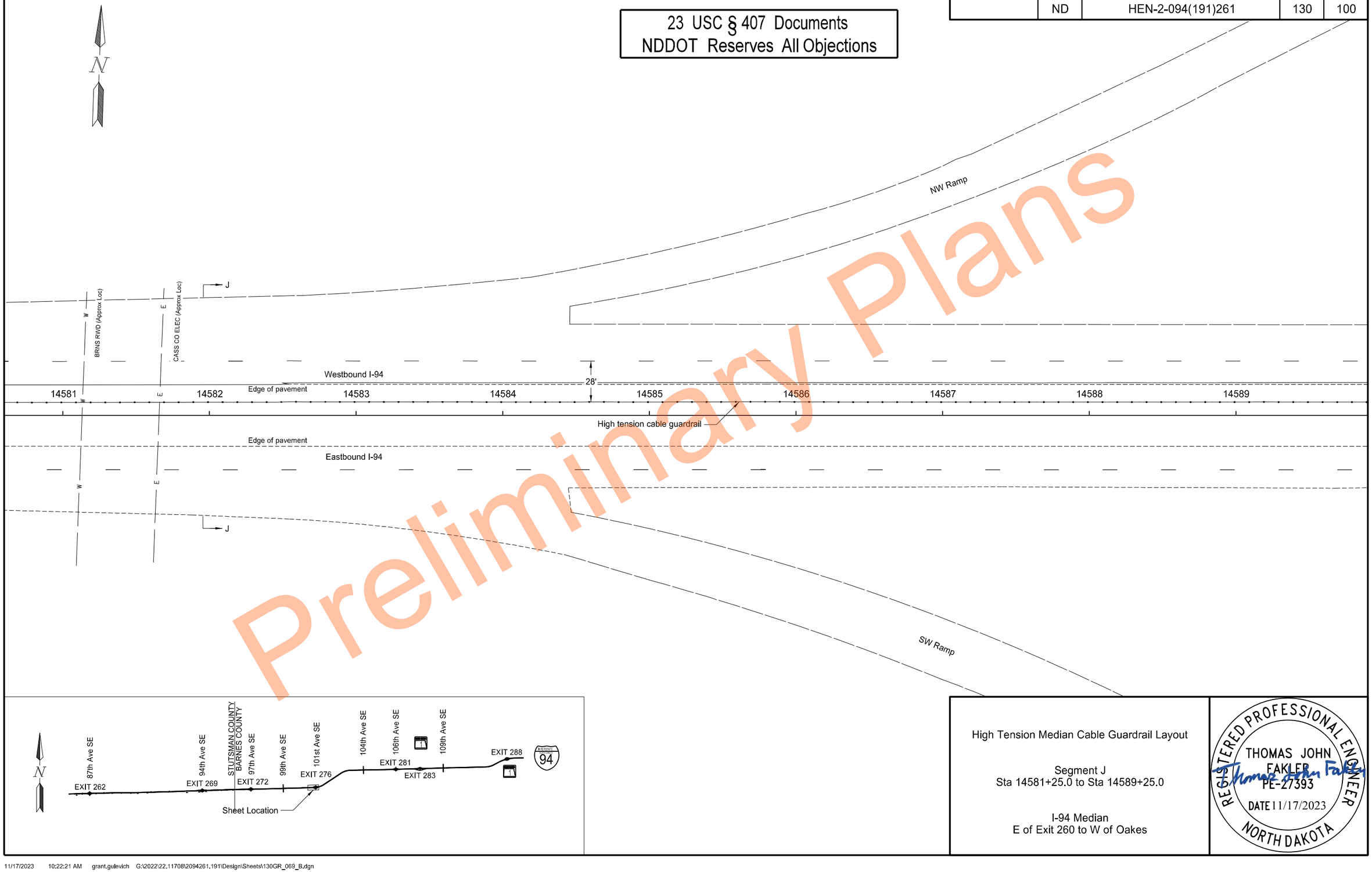
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	100

23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment J
Sta 14581+25.0 to Sta 14589+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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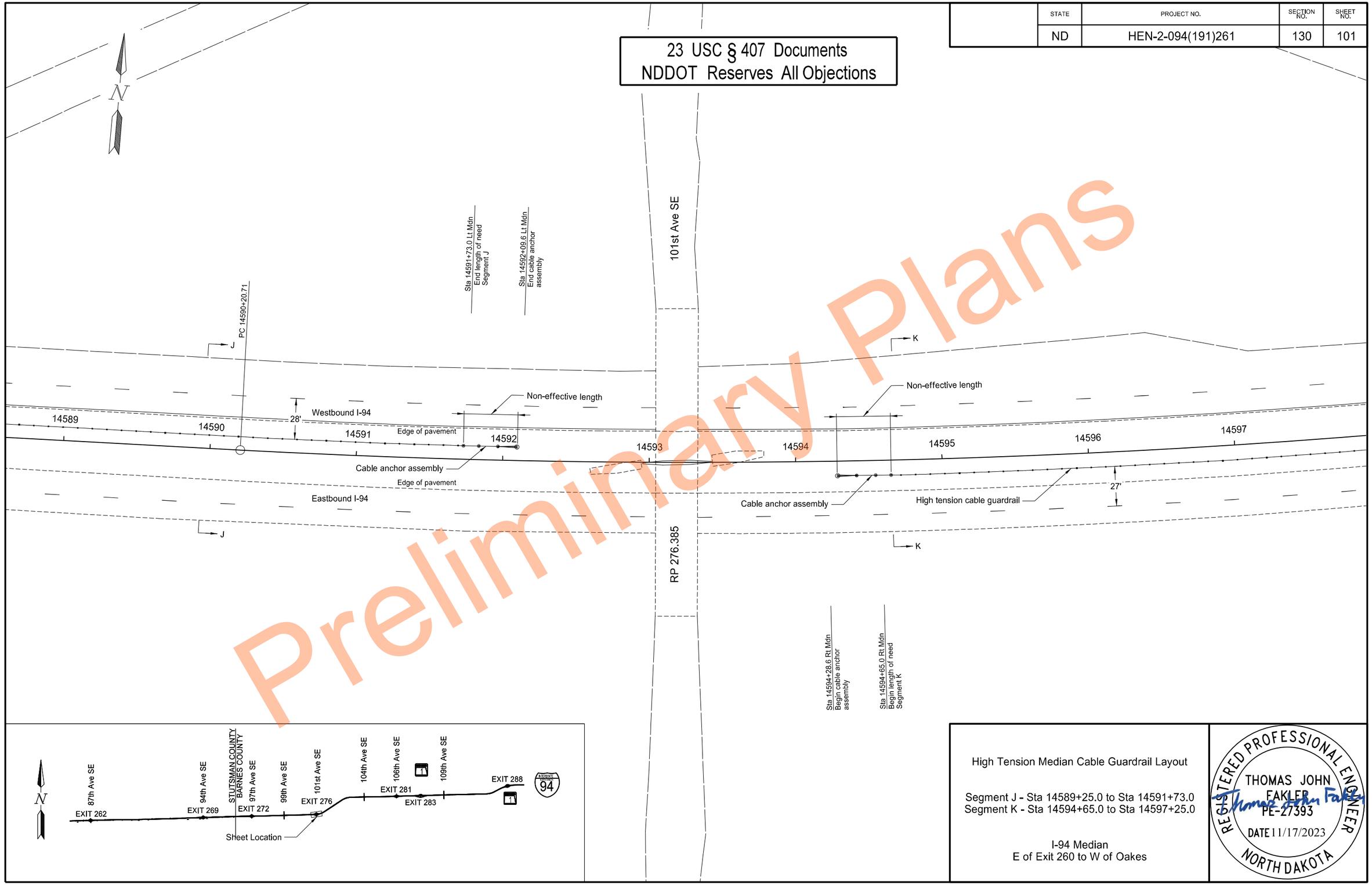
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	101

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment J - Sta 14589+25.0 to Sta 14591+73.0
Segment K - Sta 14594+65.0 to Sta 14597+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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PE-27393
DATE 11/17/2023
NORTH DAKOTA

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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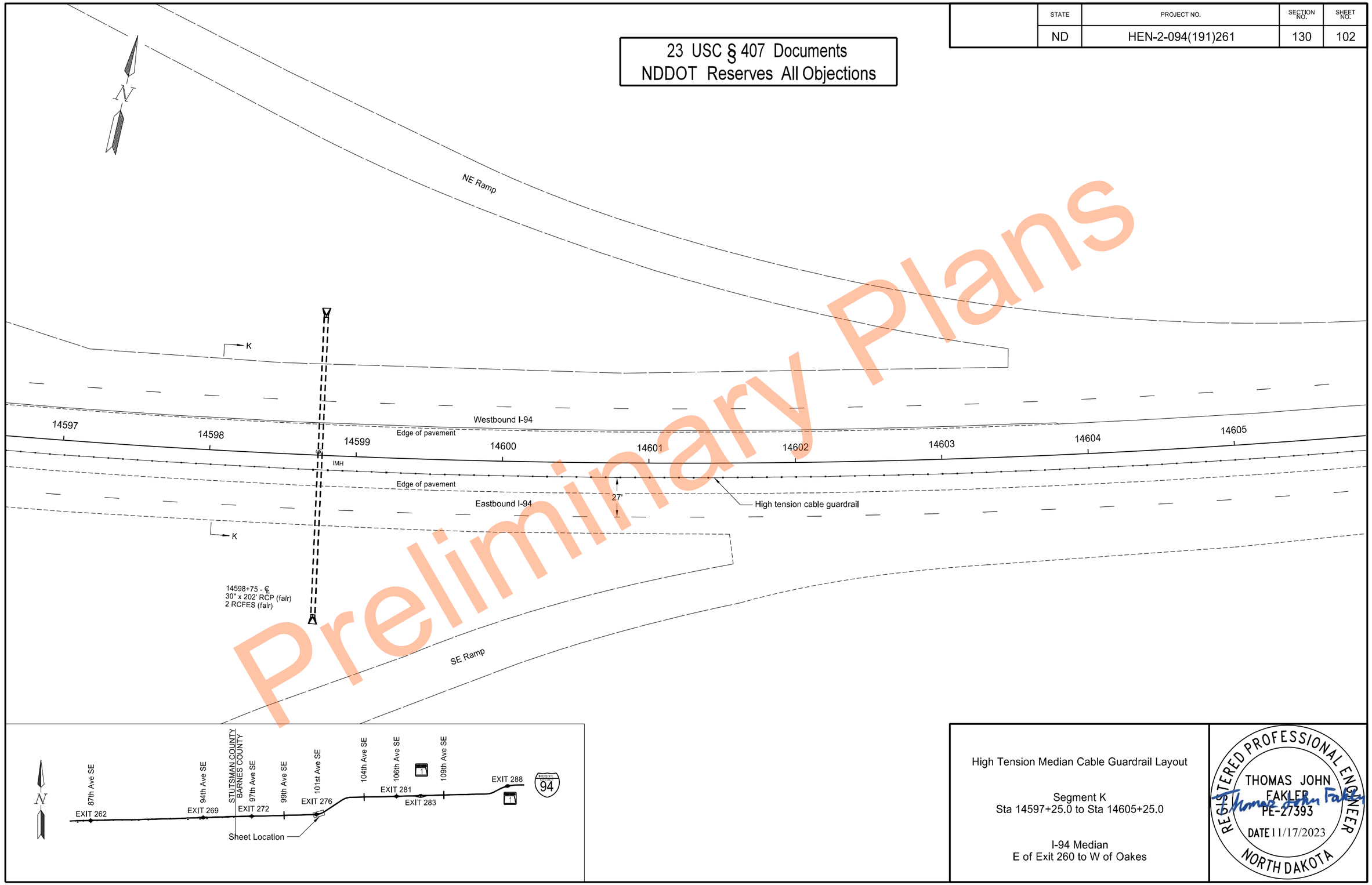
23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment K
Sta 14597+25.0 to Sta 14605+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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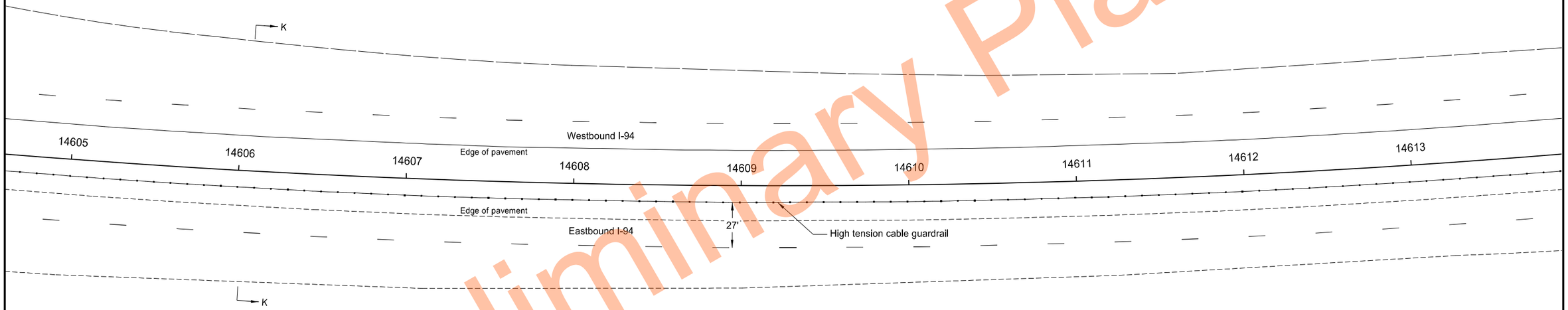
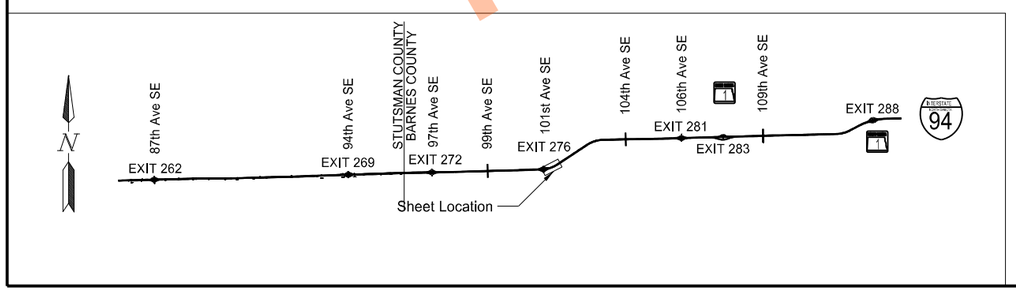
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	103

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment K
Sta 14605+25.0 to Sta 14613+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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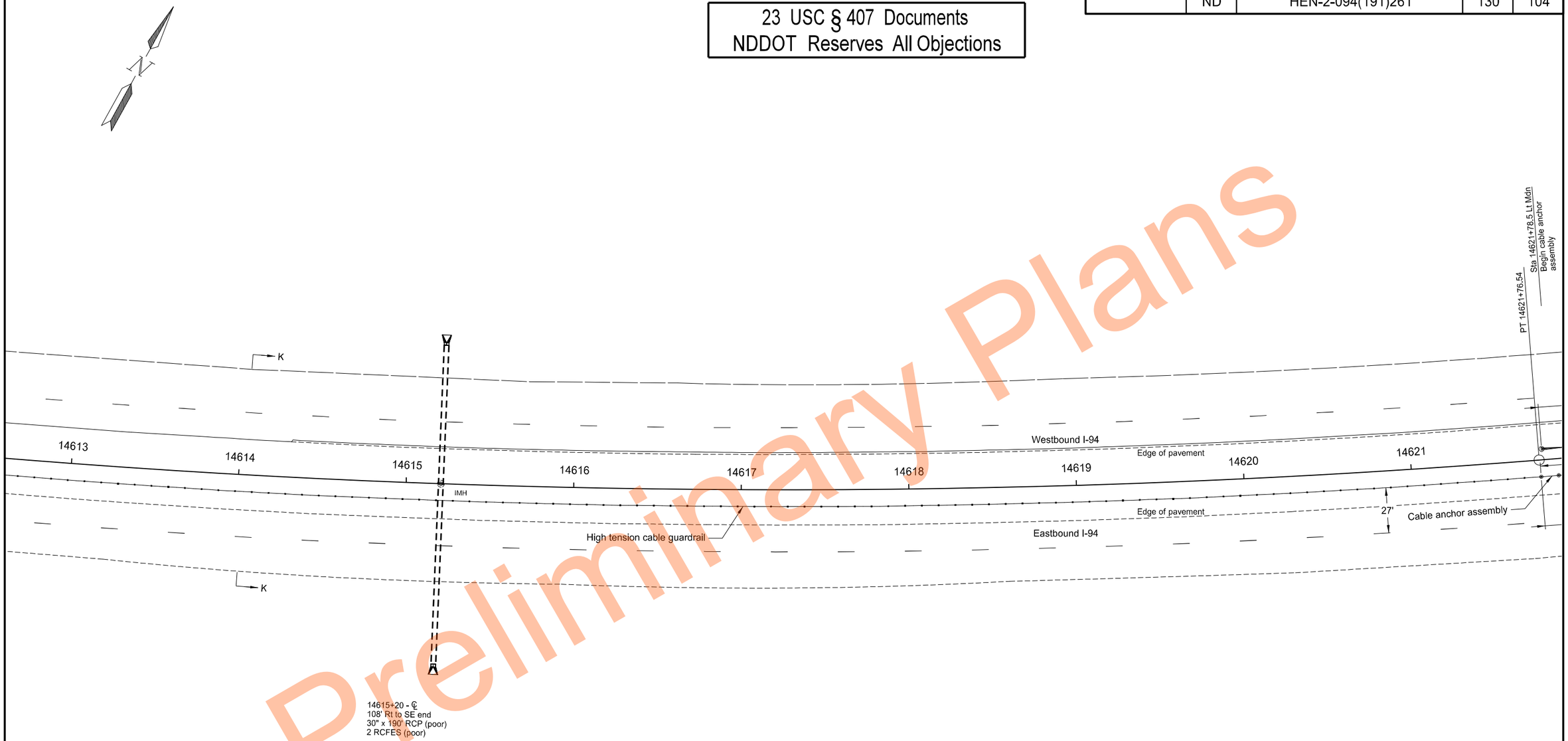
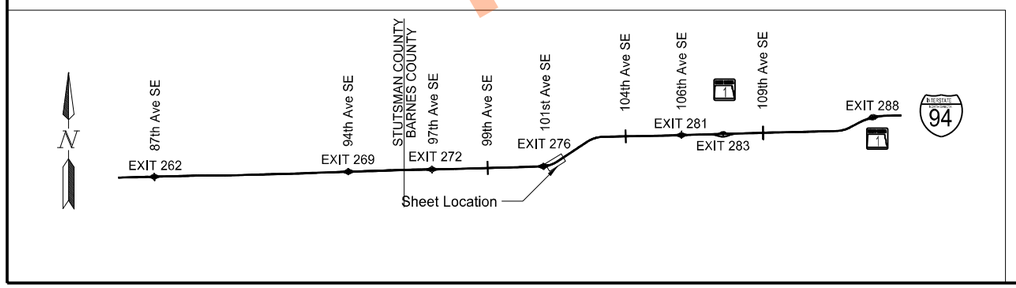
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment K
Sta 14613+25.0 to Sta 14621+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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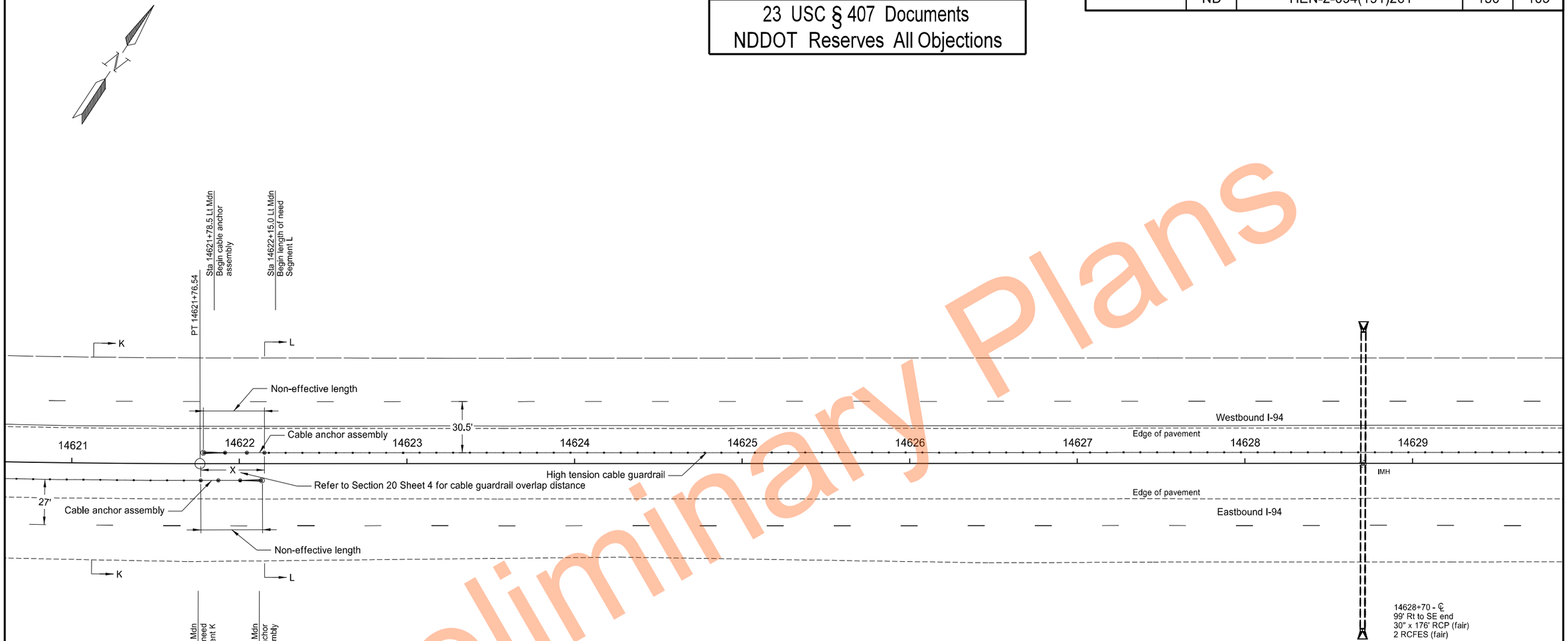
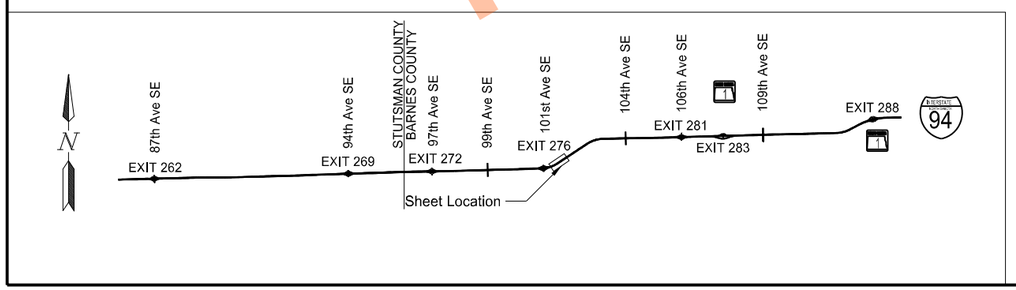
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment K - Sta 14621+25.0 to Sta 14621+77.0
Segment L - Sta 14622+15.0 to Sta 14629+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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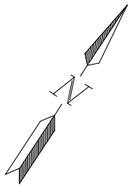
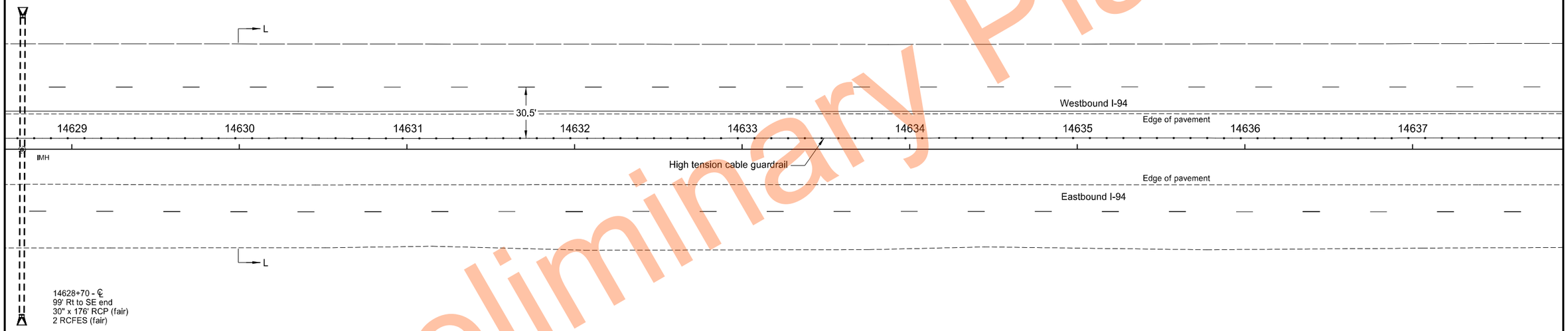
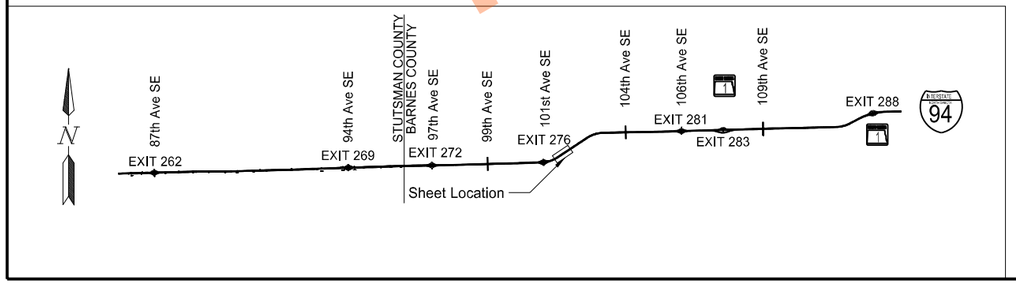
23 USC § 407 Documents
NDDOT Reserves All Objections







High Tension Median Cable Guardrail Layout

Segment L
Sta 14629+25.0 to Sta 14637+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

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	ND	HEN-2-094(191)261	130	107

23 USC § 407 Documents
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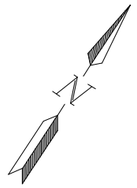

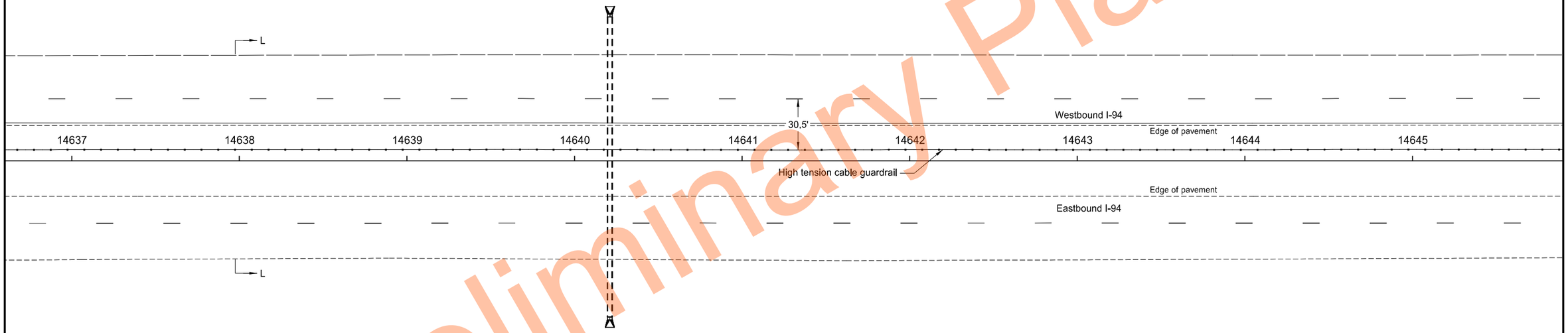

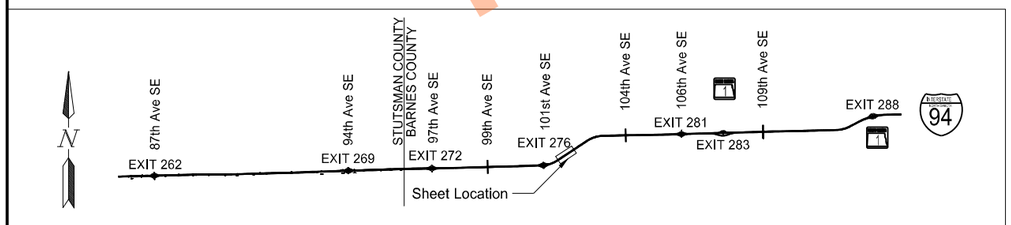

High Tension Median Cable Guardrail Layout

Segment L
Sta 14637+25.0 to Sta 14645+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
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23 USC § 407 Documents
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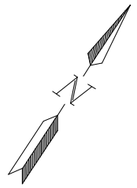

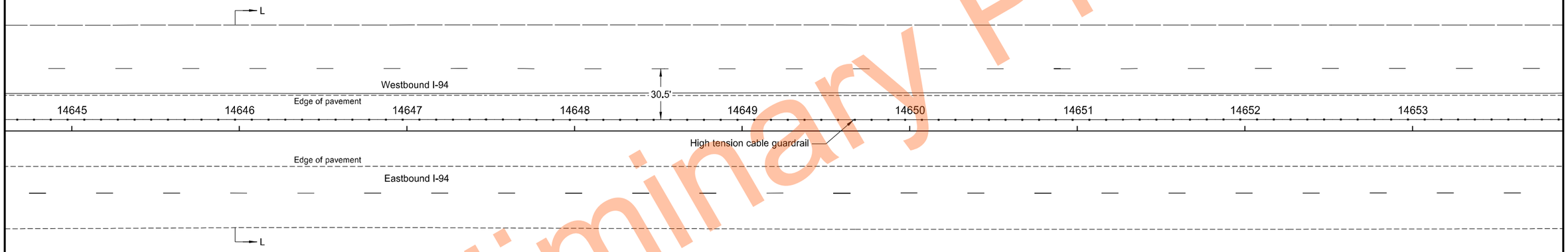

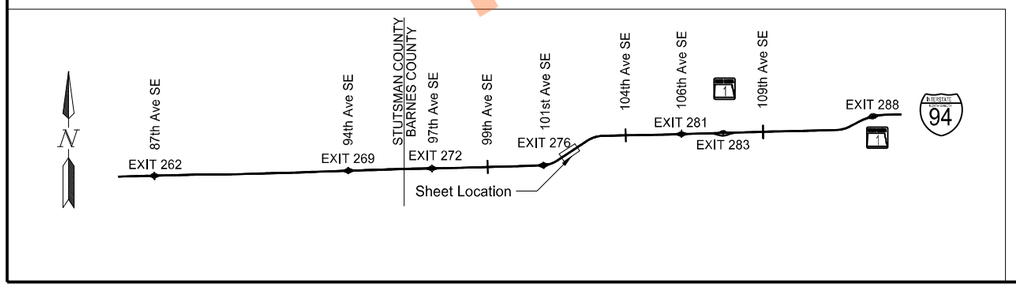

High Tension Median Cable Guardrail Layout

Segment L
Sta 14645+25.0 to Sta 14653+25.0

I-94 Median
E of Exit 260 to W of Oakes

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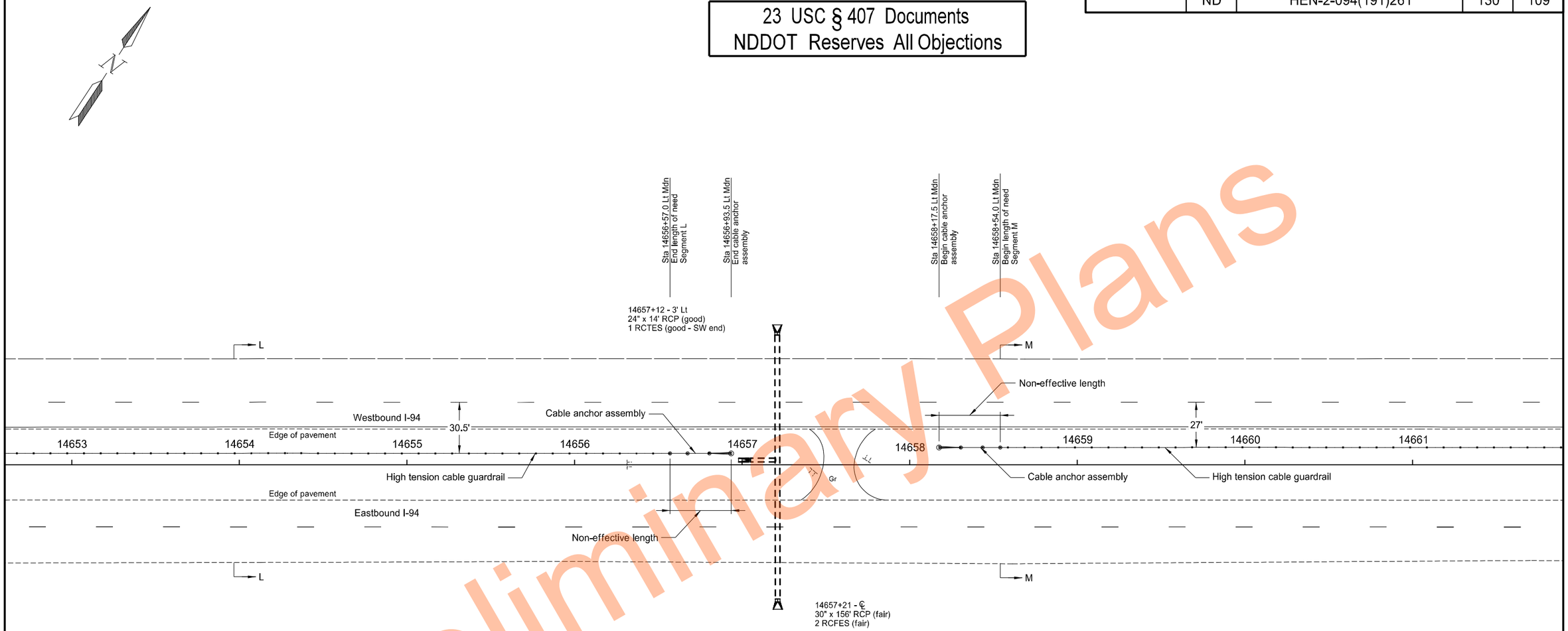

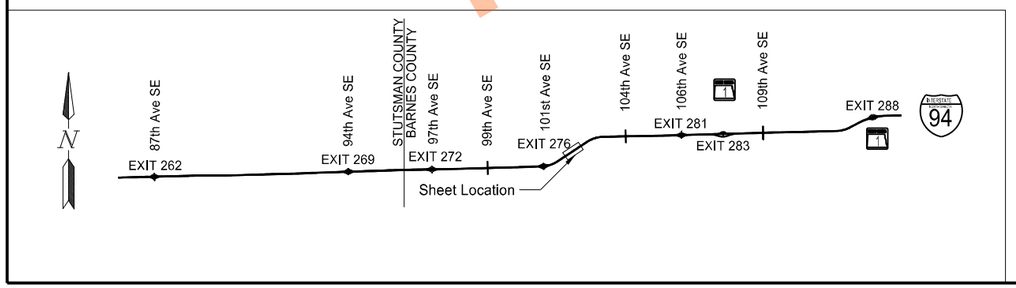

High Tension Median Cable Guardrail Layout

Segment L - Sta 14653+25.0 to Sta 14656+62.0
Segment M - Sta 14658+54.0 to Sta 14661+25.0

I-94 Median
E of Exit 260 to W of Oakes

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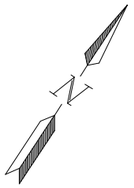
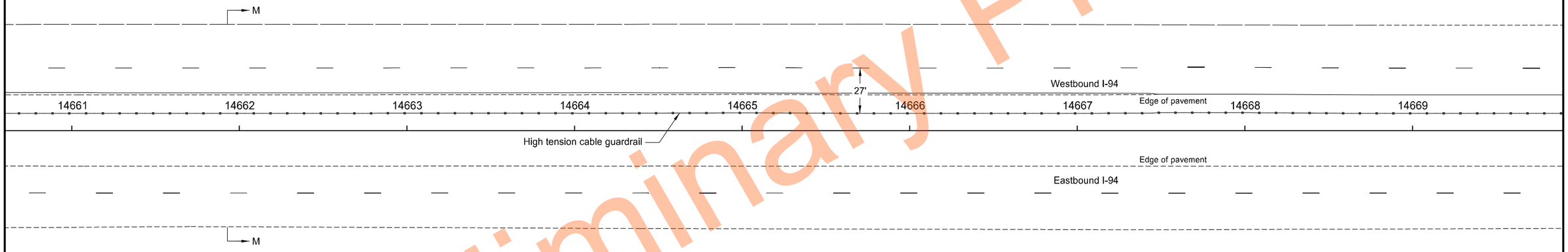
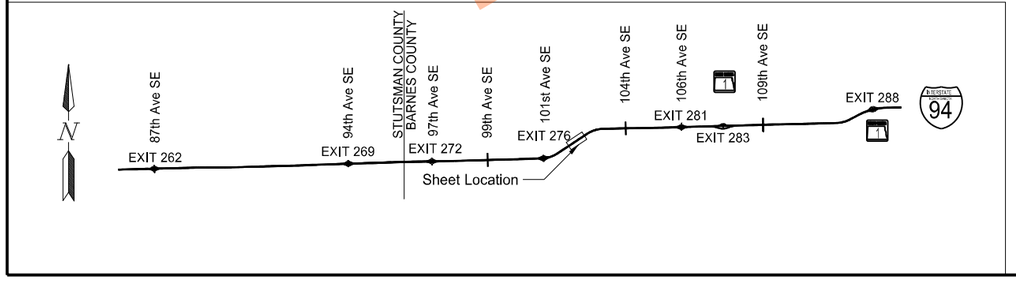






High Tension Median Cable Guardrail Layout

Segment M
Sta 14661+25.0 to Sta 14669+25.0

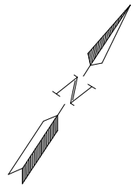
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	111

23 USC § 407 Documents
NDDOT Reserves All Objections



14675+55 - ℄
92' Lt to NW end
24" x 92' RCP (fair)
1 RCFES (fair - N end)

M

Westbound I-94

14669 14670 14671 Edge of pavement 14672 14673 14674 27' 14675 14676 14677

IMH

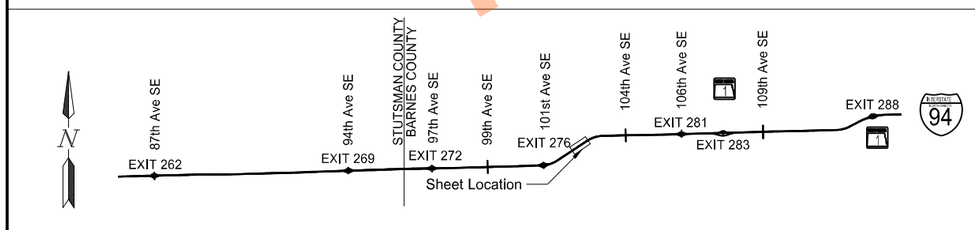
High tension cable guardrail

Edge of pavement

Eastbound I-94

M

14670+61 - ℄
48" x 60" x 182' RC cattle pass (fair)
2 RCFES (fair)



High Tension Median Cable Guardrail Layout

Segment M
Sta 14669+25.0 to Sta 14677+25.0

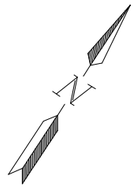
I-94 Median
E of Exit 260 to W of Oakes

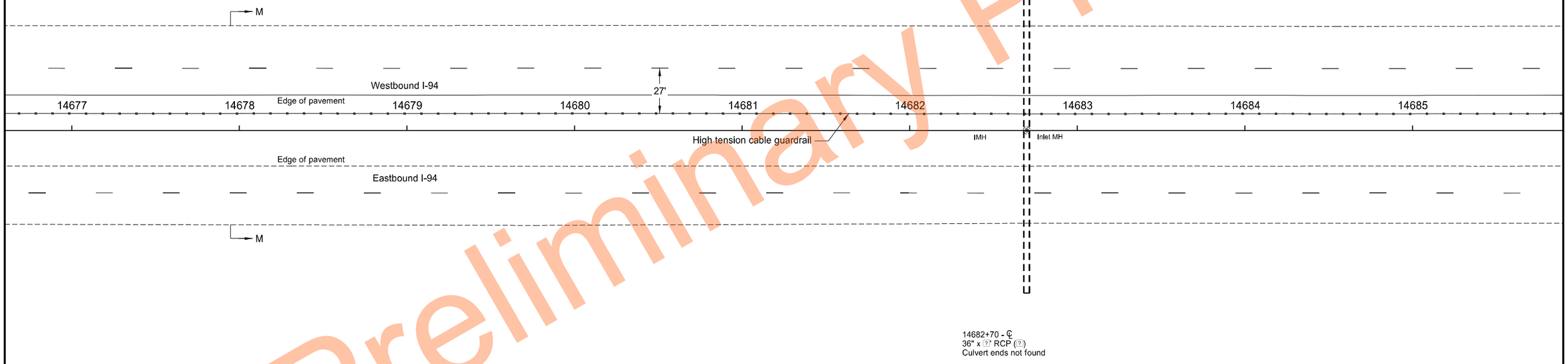
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

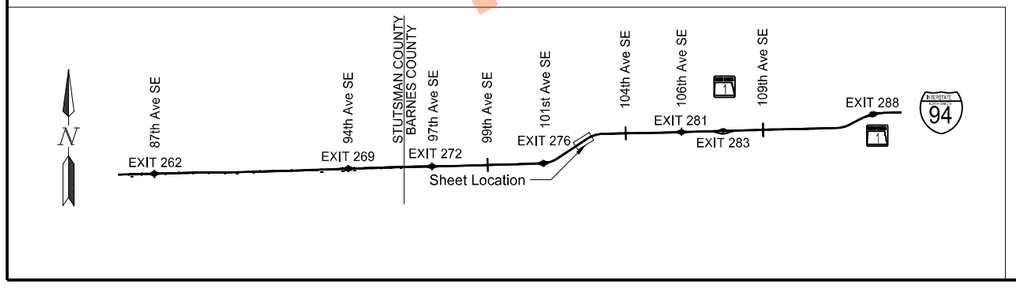
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	112

23 USC § 407 Documents
NDDOT Reserves All Objections







High Tension Median Cable Guardrail Layout

Segment M
Sta 14677+25.0 to Sta 14685+25.0

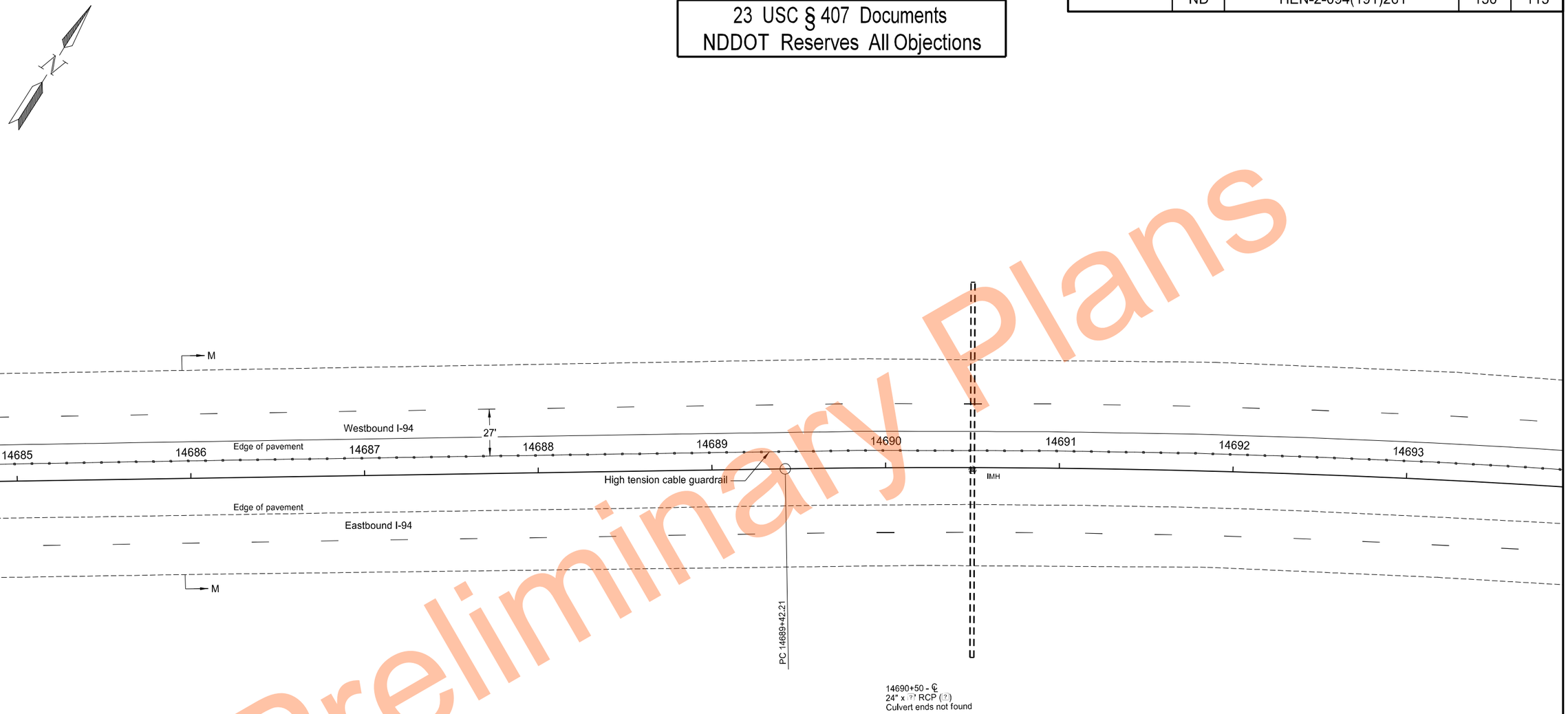
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

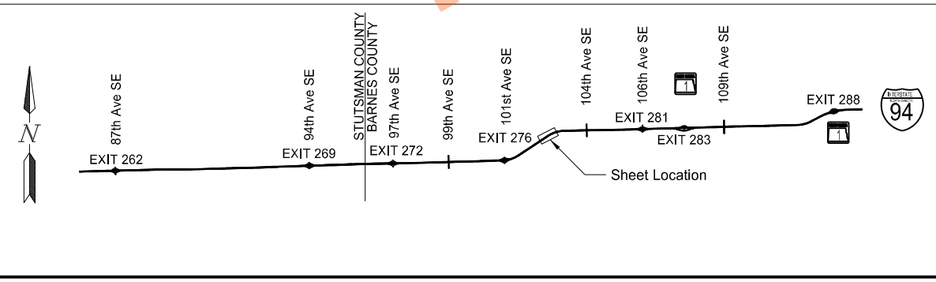
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	113

23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment M
Sta 14685+25.0 to Sta 14693+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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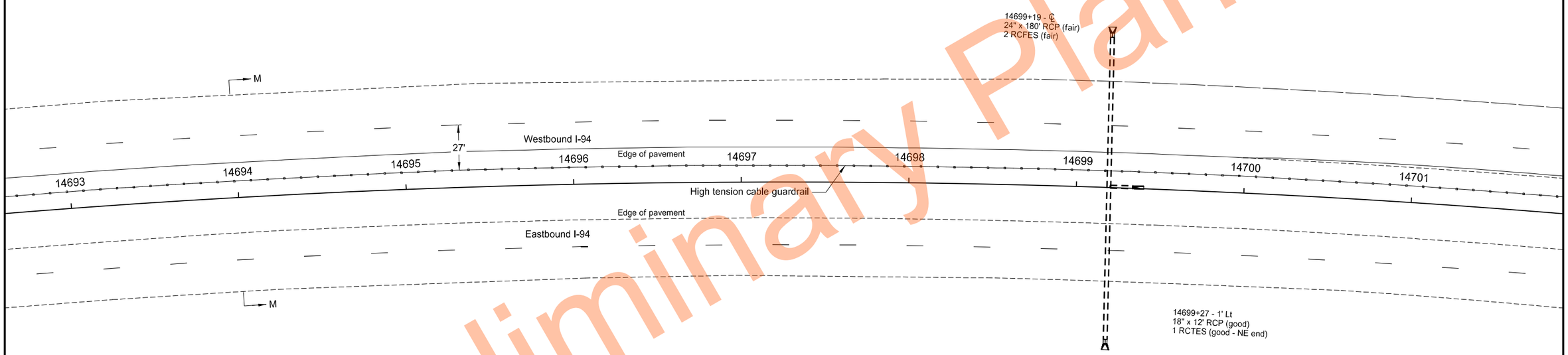
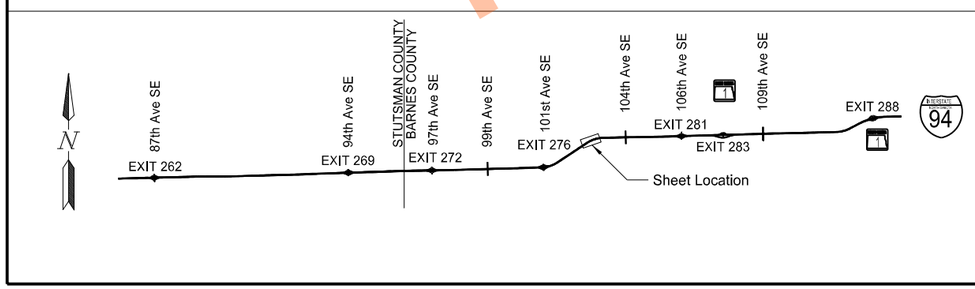
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	114

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment M
Sta 14693+25.0 to Sta 14701+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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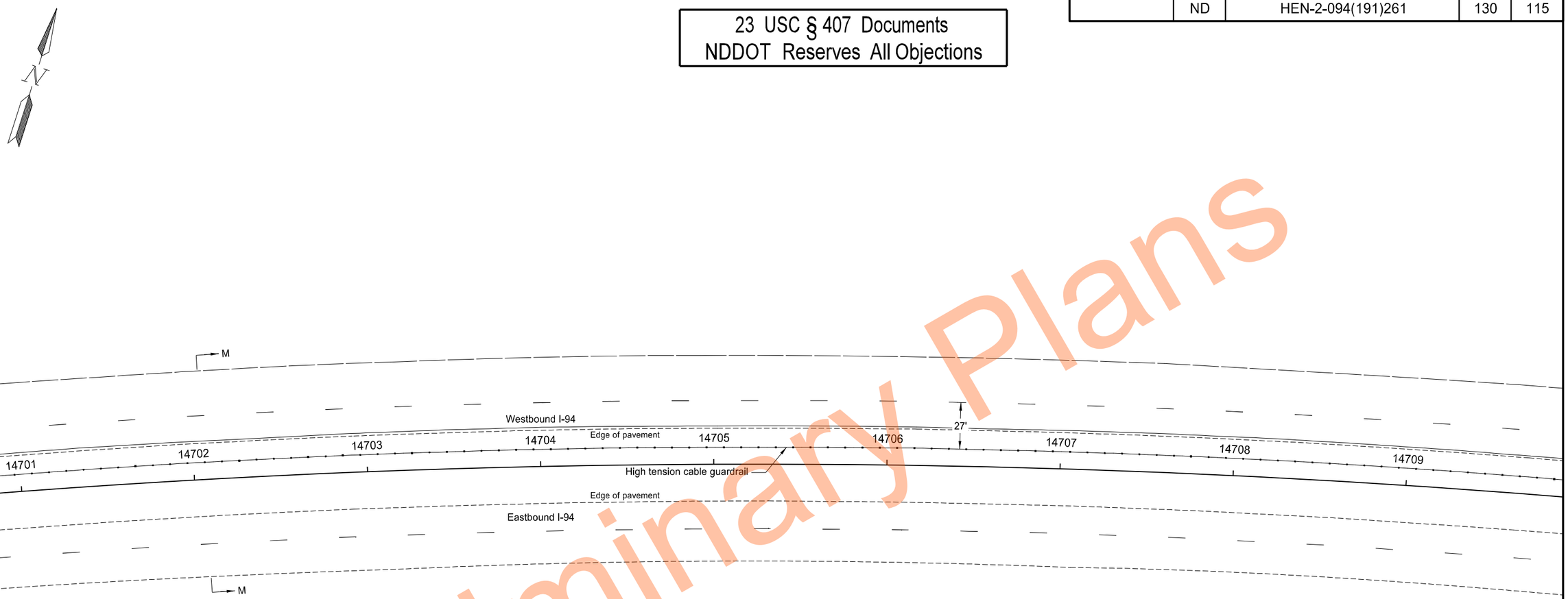
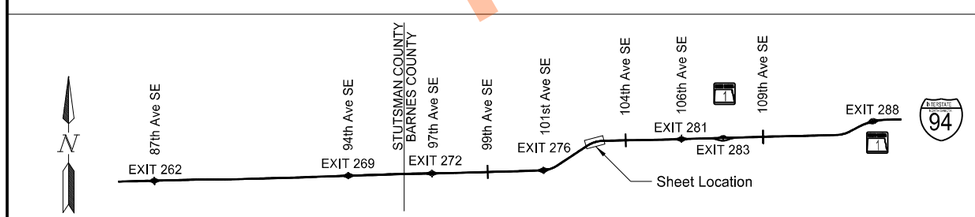
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	115

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14701+25.0 to Sta 14709+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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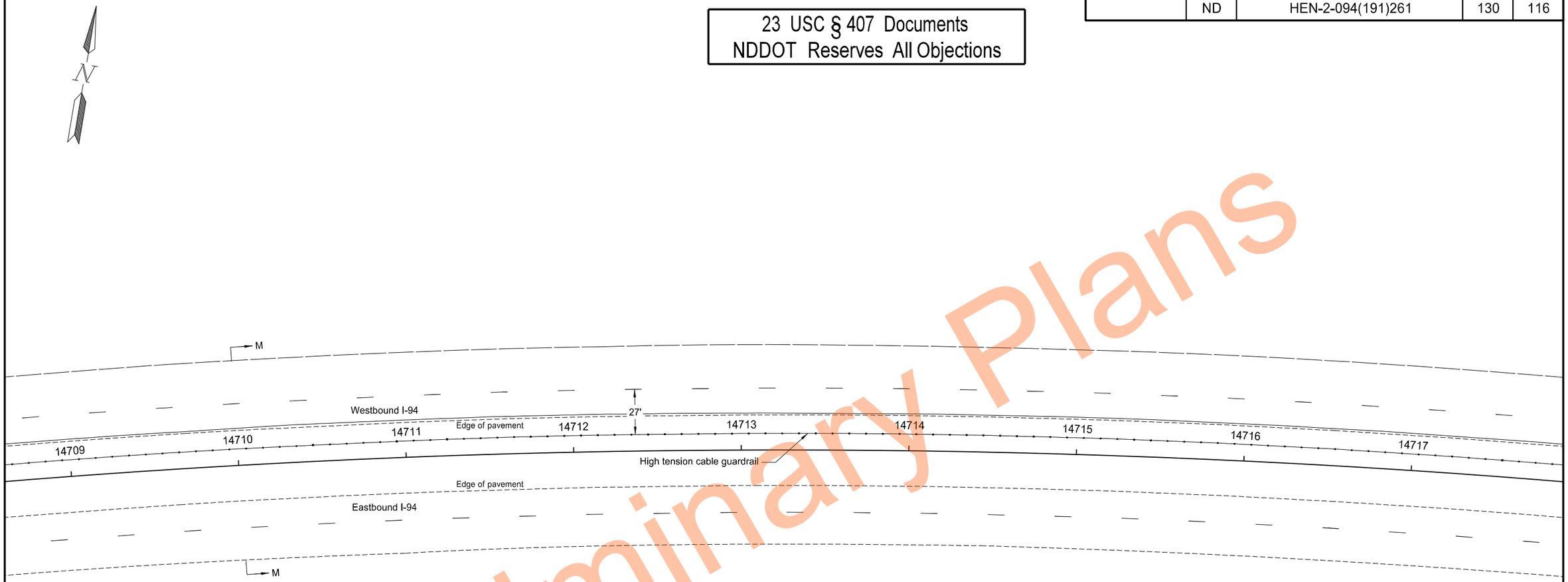
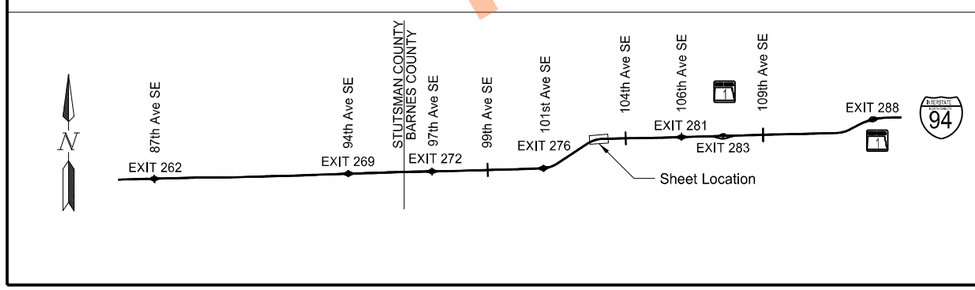
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	116

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14709+25.0 to Sta 14717+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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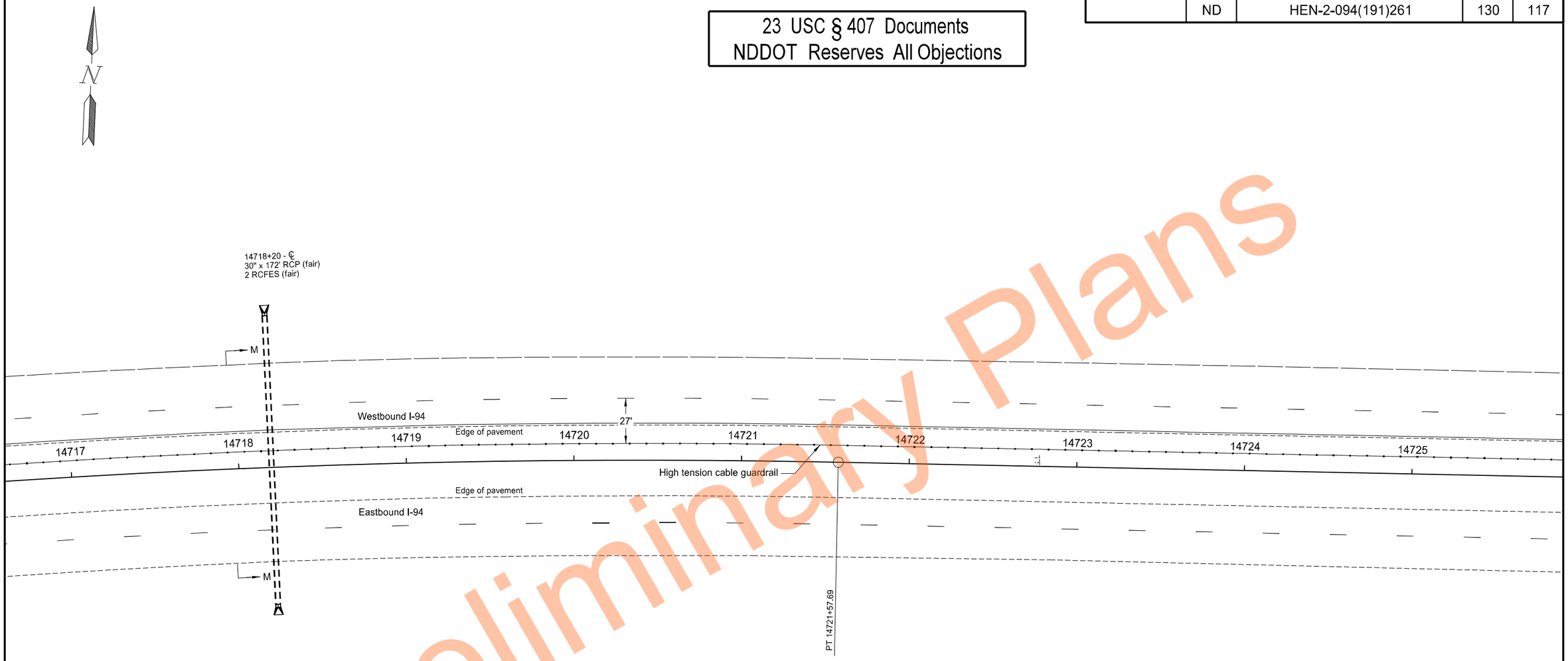
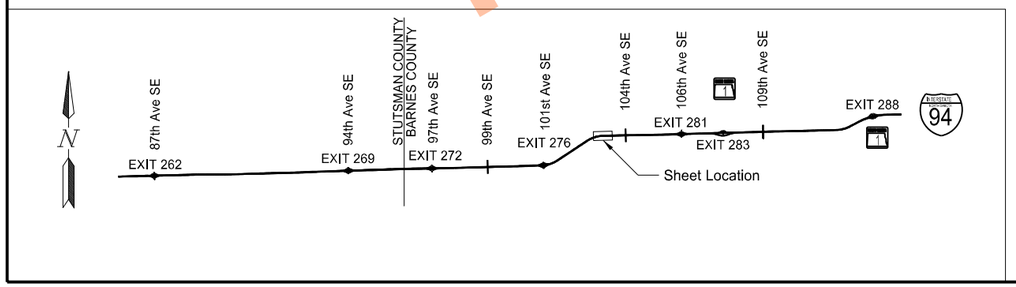
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	117

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14717+25.0 to Sta 14725+25.0

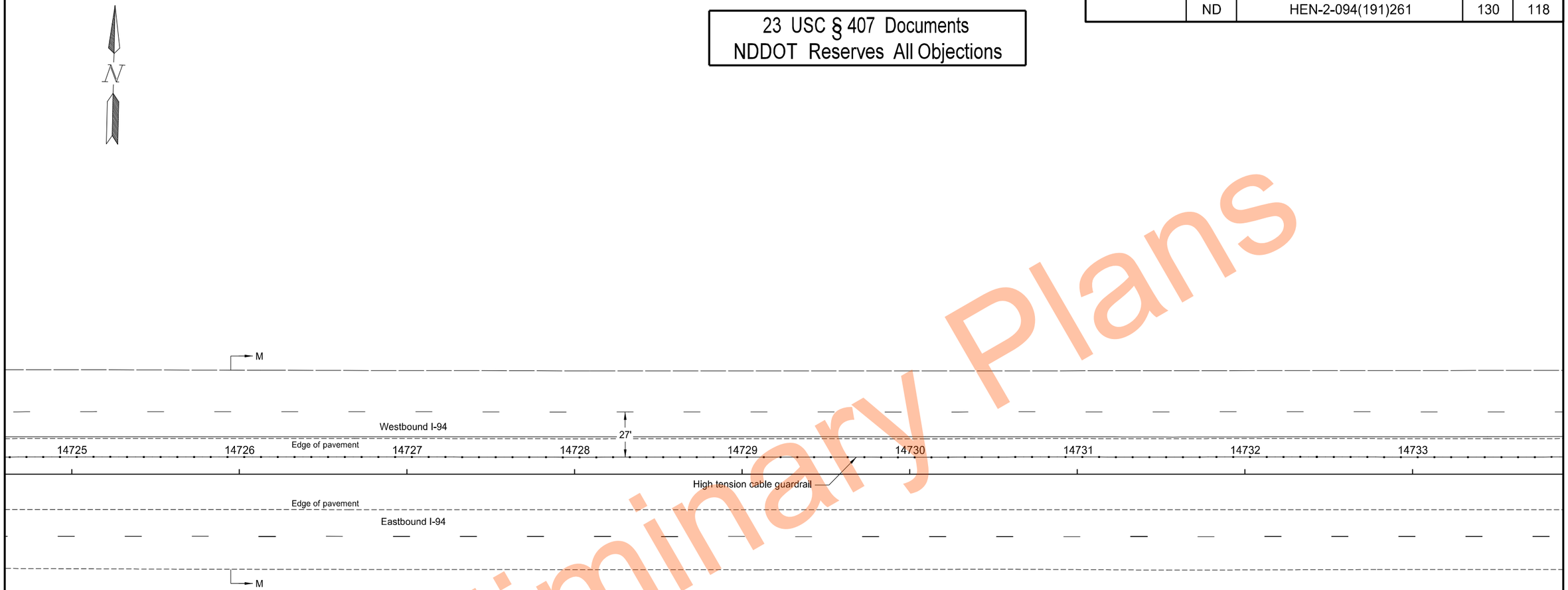
I-94 Median
E of Exit 260 to W of Oakes

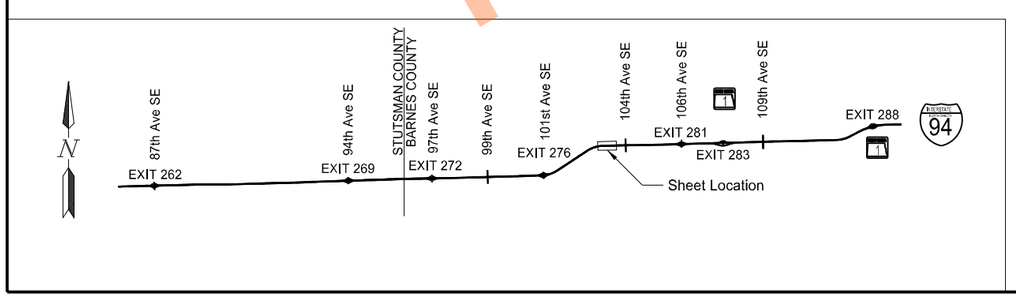
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	118

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14725+25.0 to Sta 14733+25.0

I-94 Median
E of Exit 260 to W of Oakes

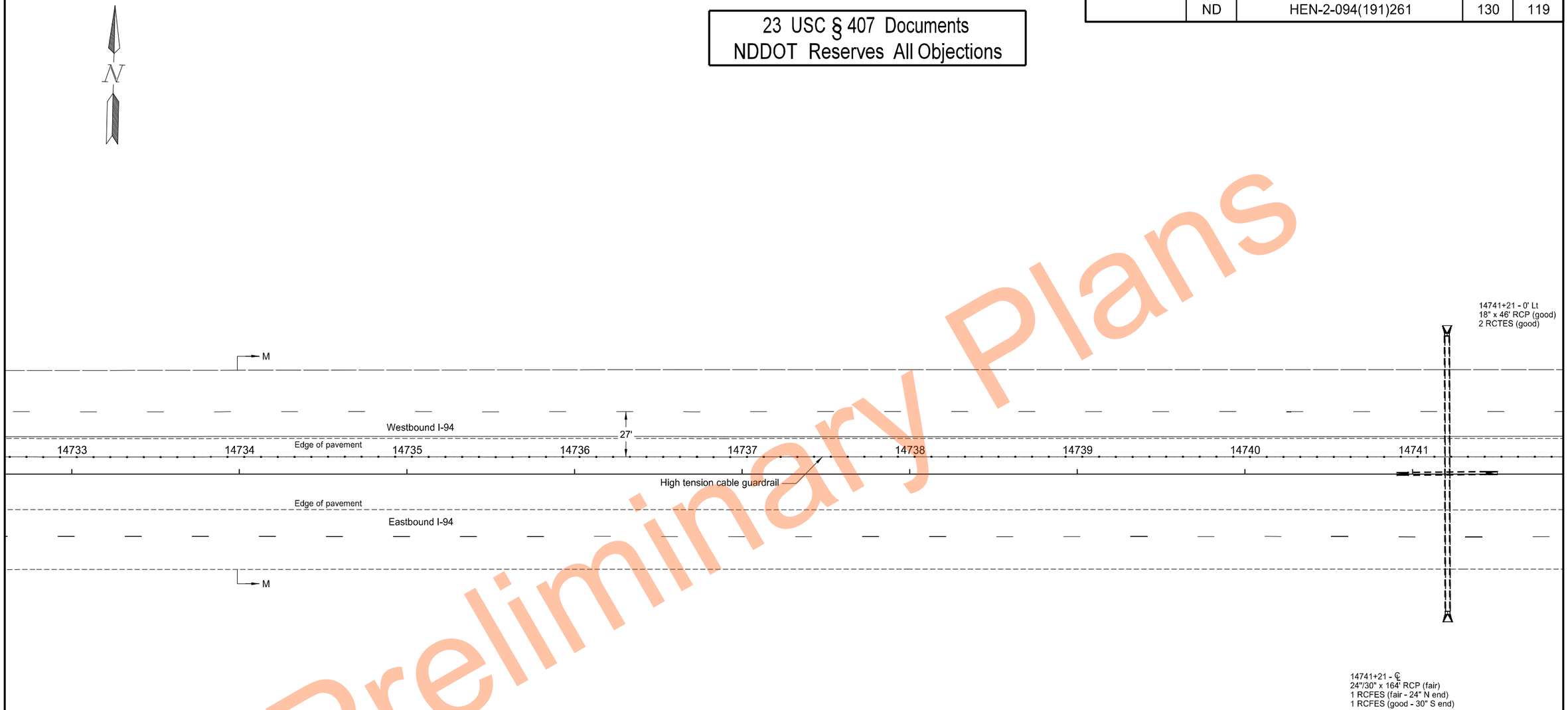
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

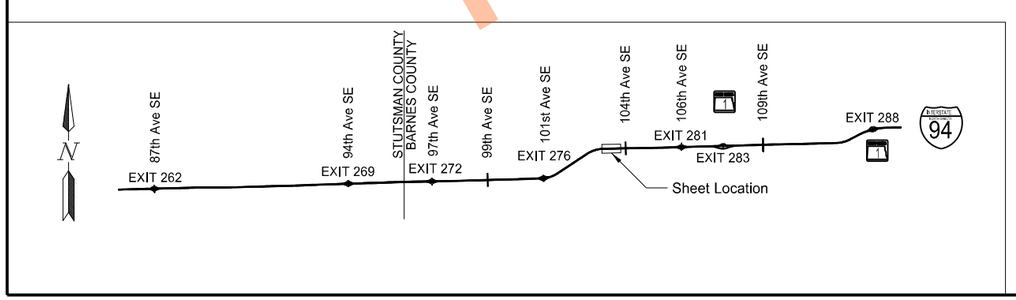
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	119

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment M
Sta 14733+25.0 to Sta 14741+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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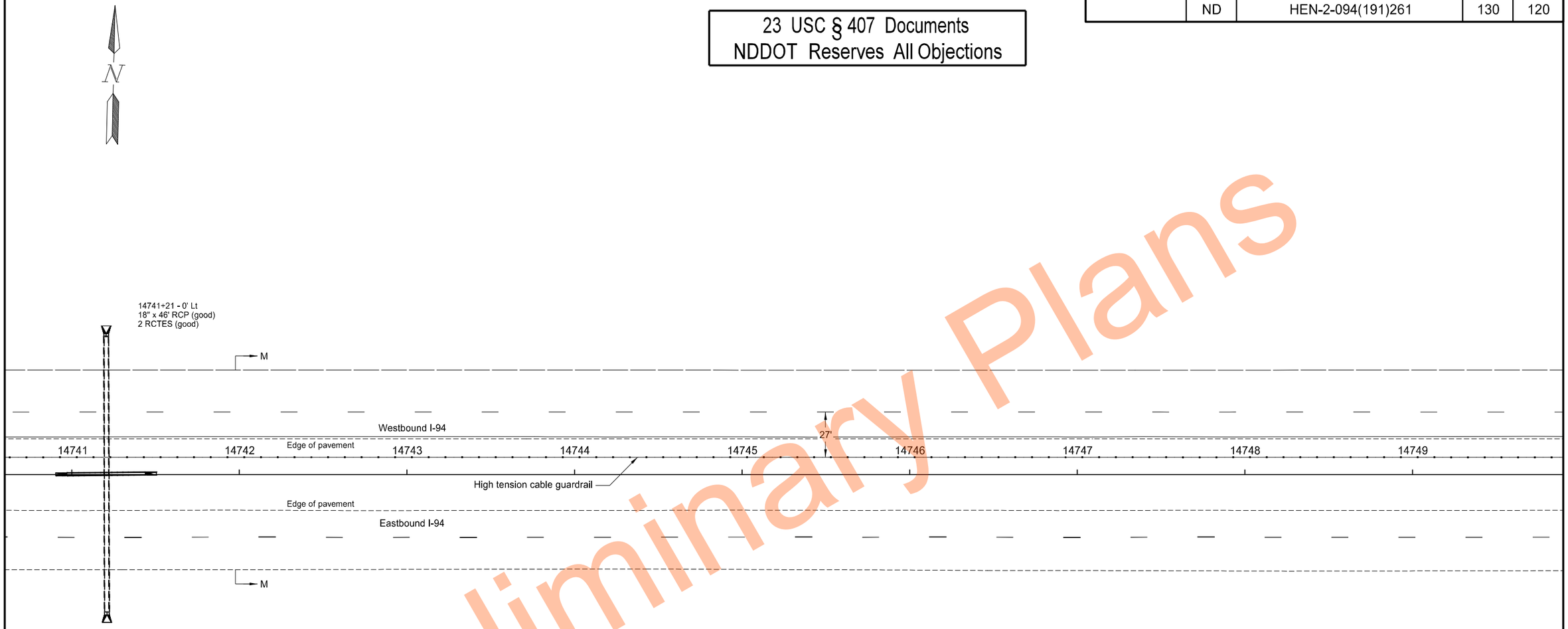
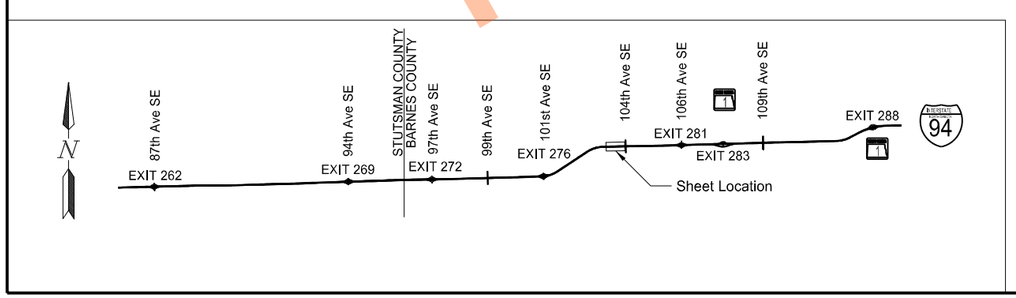
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	120

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14741+25.0 to Sta 14749+25.0

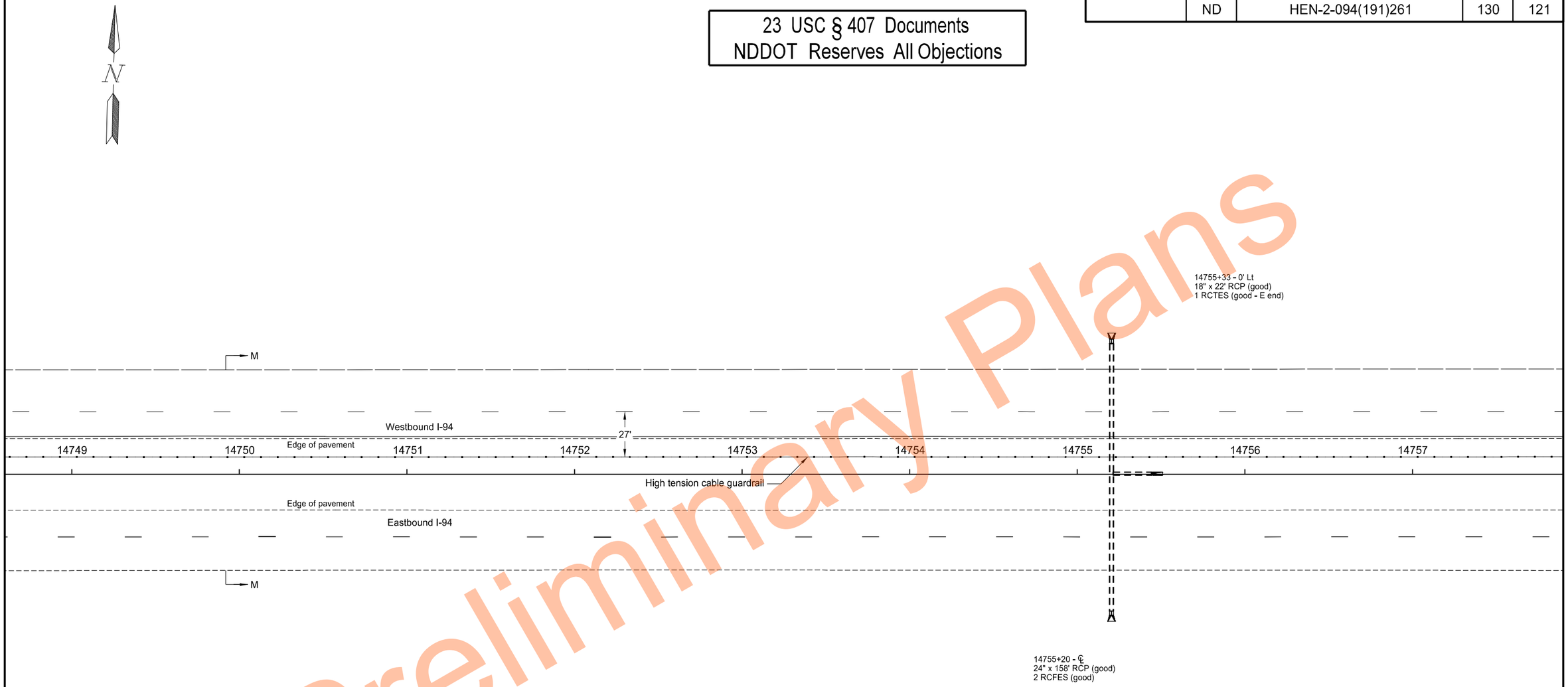
I-94 Median
E of Exit 260 to W of Oakes

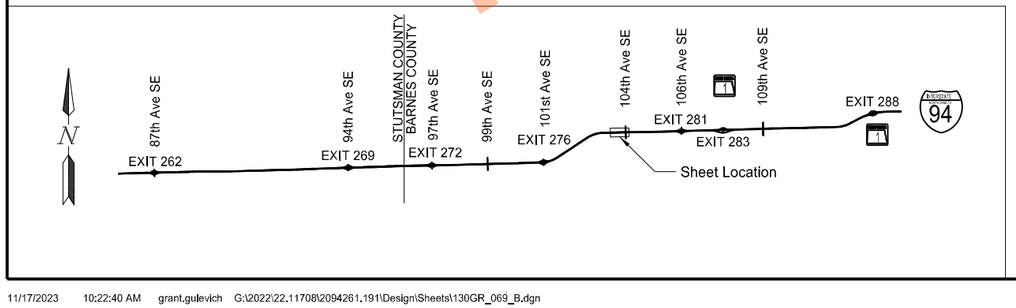
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	121

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14749+25.0 to Sta 14757+25.0

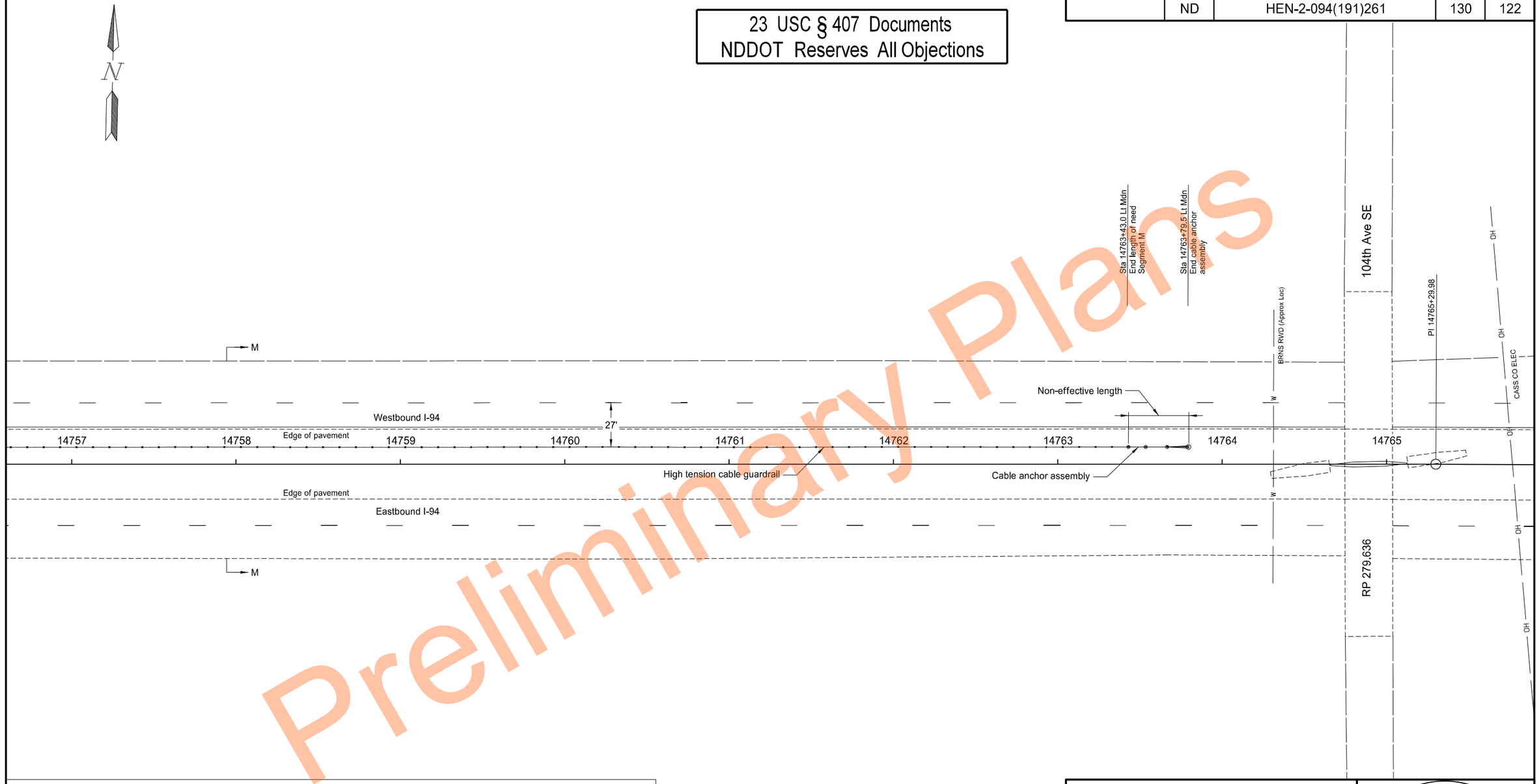
I-94 Median
E of Exit 260 to W of Oakes

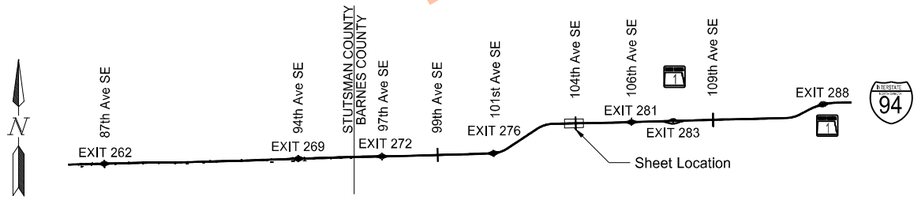
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	122

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment M
Sta 14757+25.0 to Sta 14763+43.0

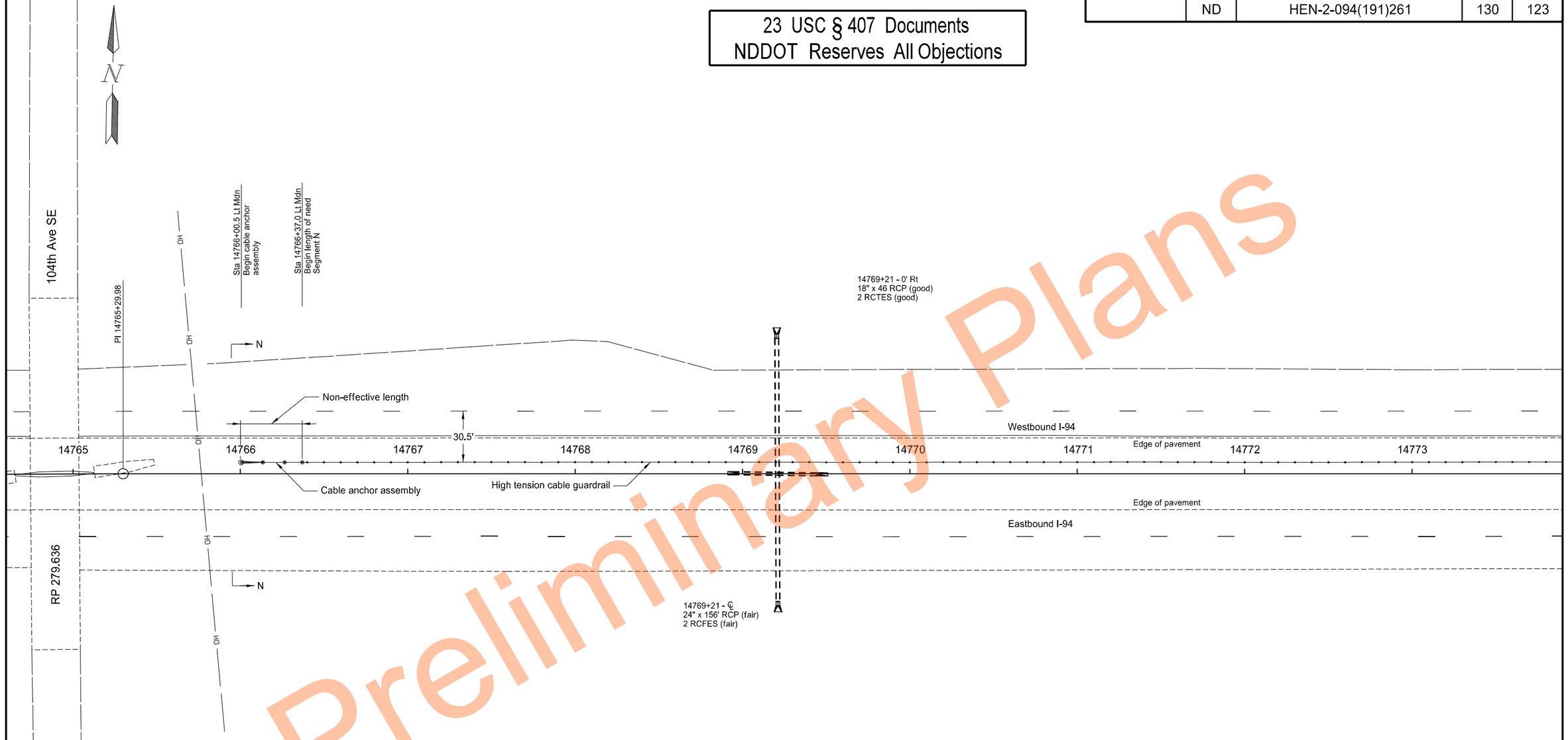
I-94 Median
E of Exit 260 to W of Oakes

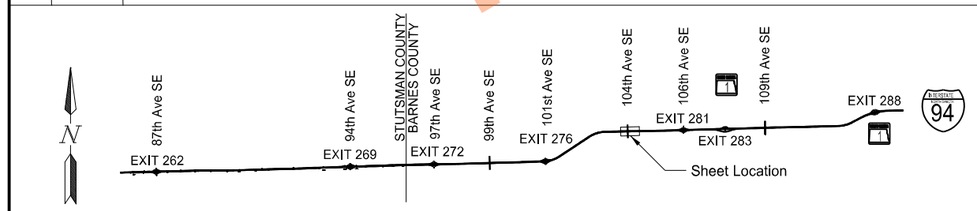
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	123

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment N
Sta 14766+37.0 to Sta 14773+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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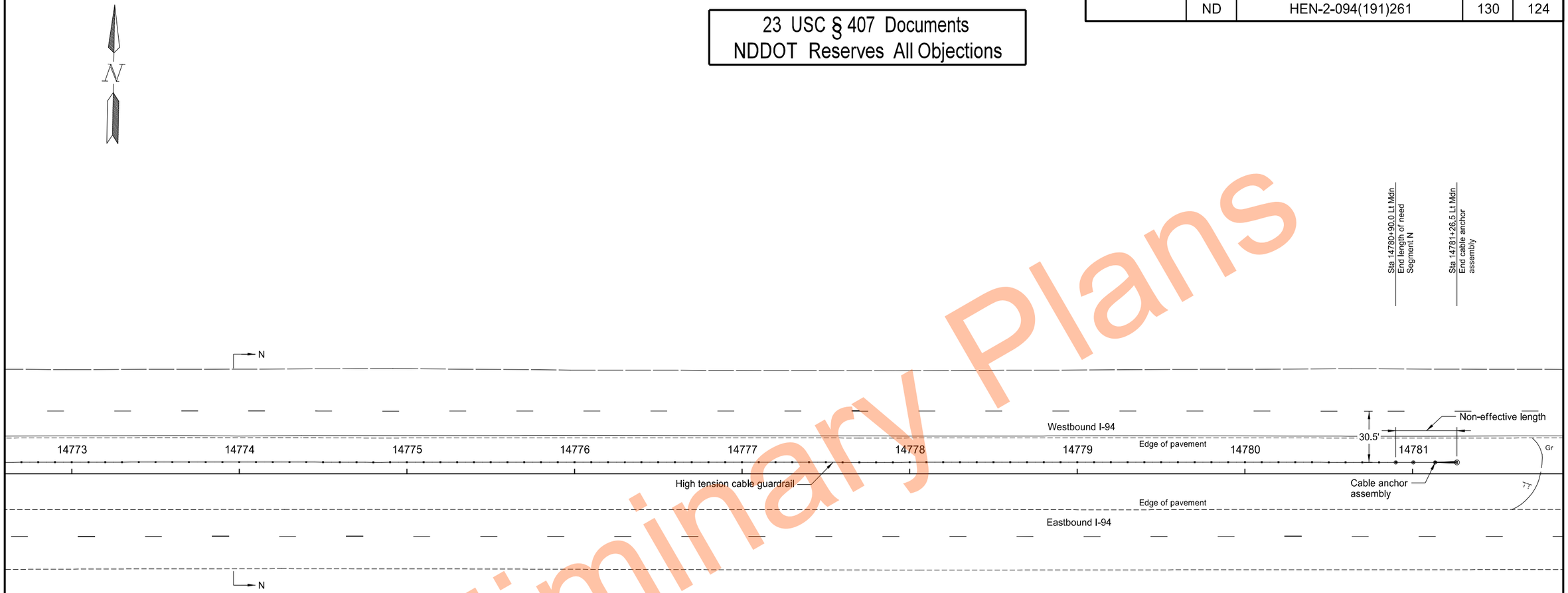
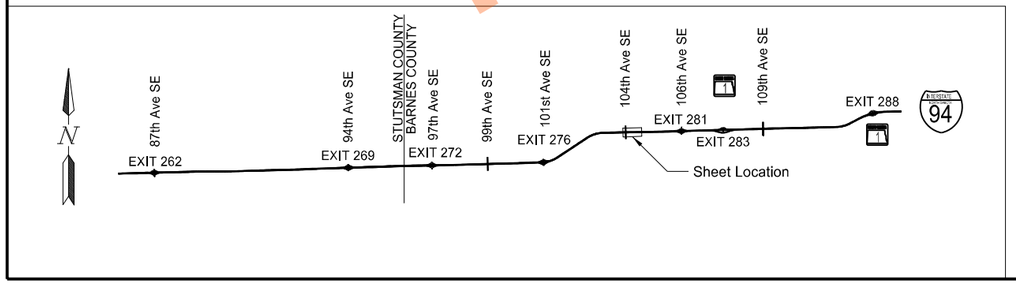
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	124

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment N
Sta 14773+25.0 to Sta 14780+90.0

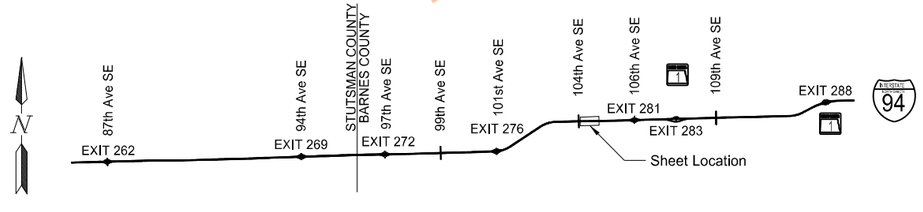
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	125

23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment O
Sta 14782+82.0 to Sta 14789+25.0

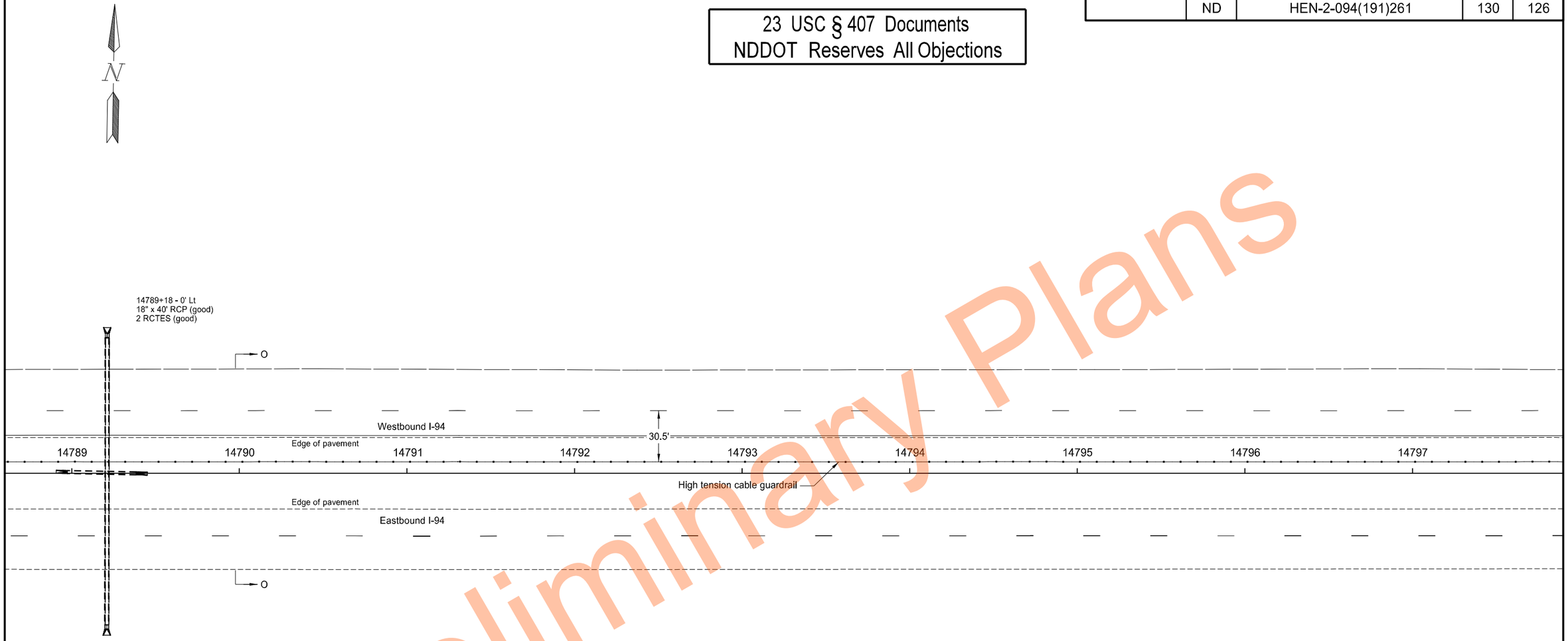
I-94 Median
E of Exit 260 to W of Oakes

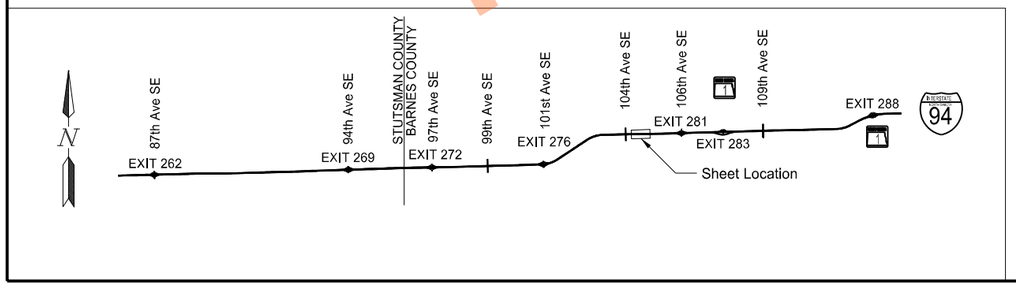
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	126

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14789+25.0 to Sta 14797+25.0

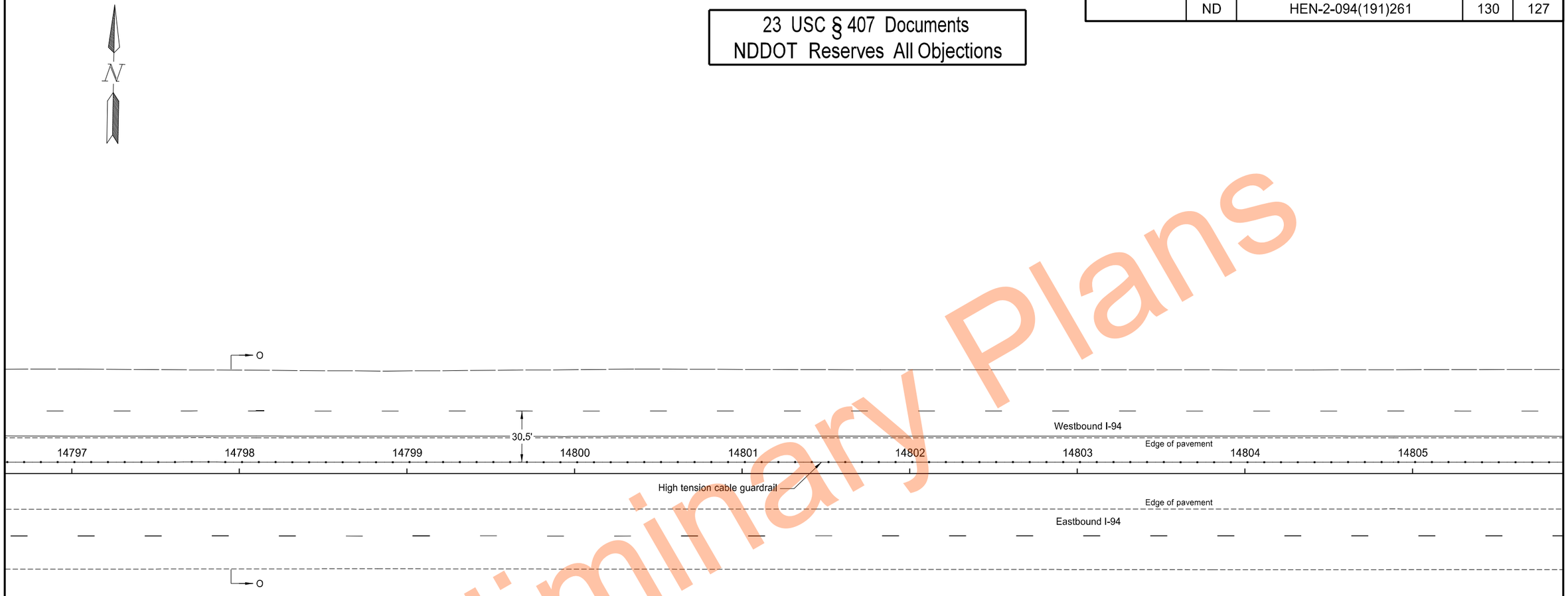
I-94 Median
E of Exit 260 to W of Oakes

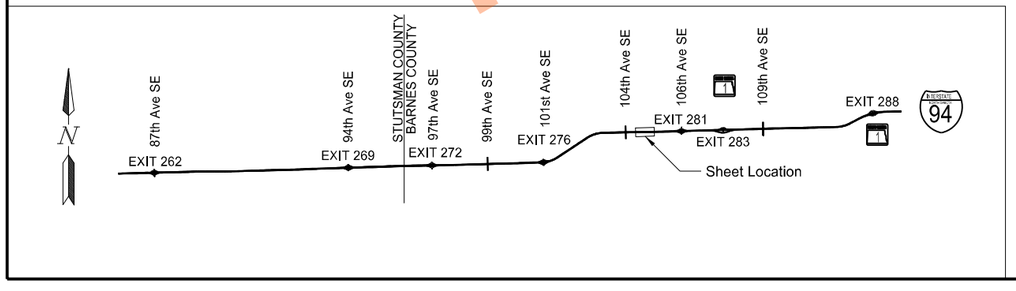
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	127

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14797+25.0 to Sta 14805+25.0

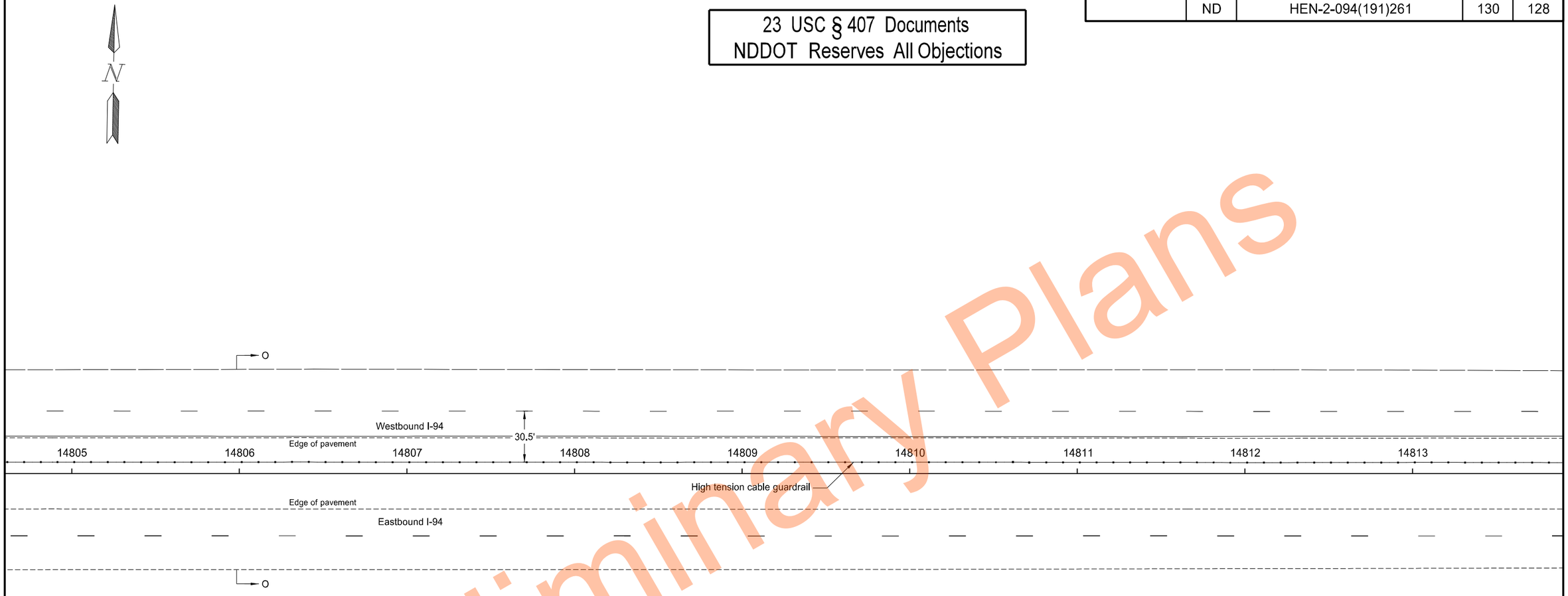
I-94 Median
E of Exit 260 to W of Oakes

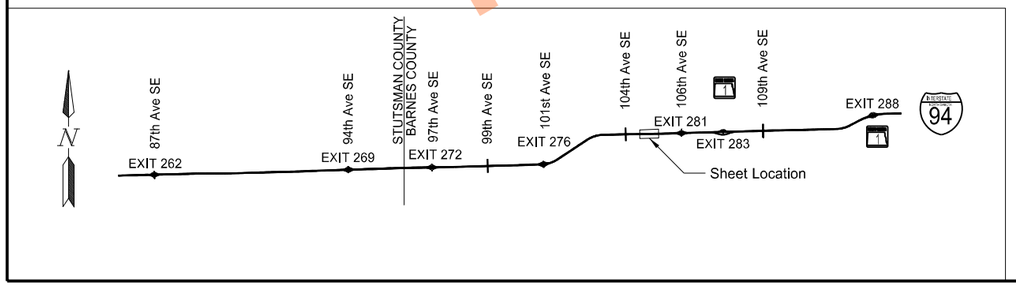
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	128

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14805+25.0 to Sta 14813+25.0

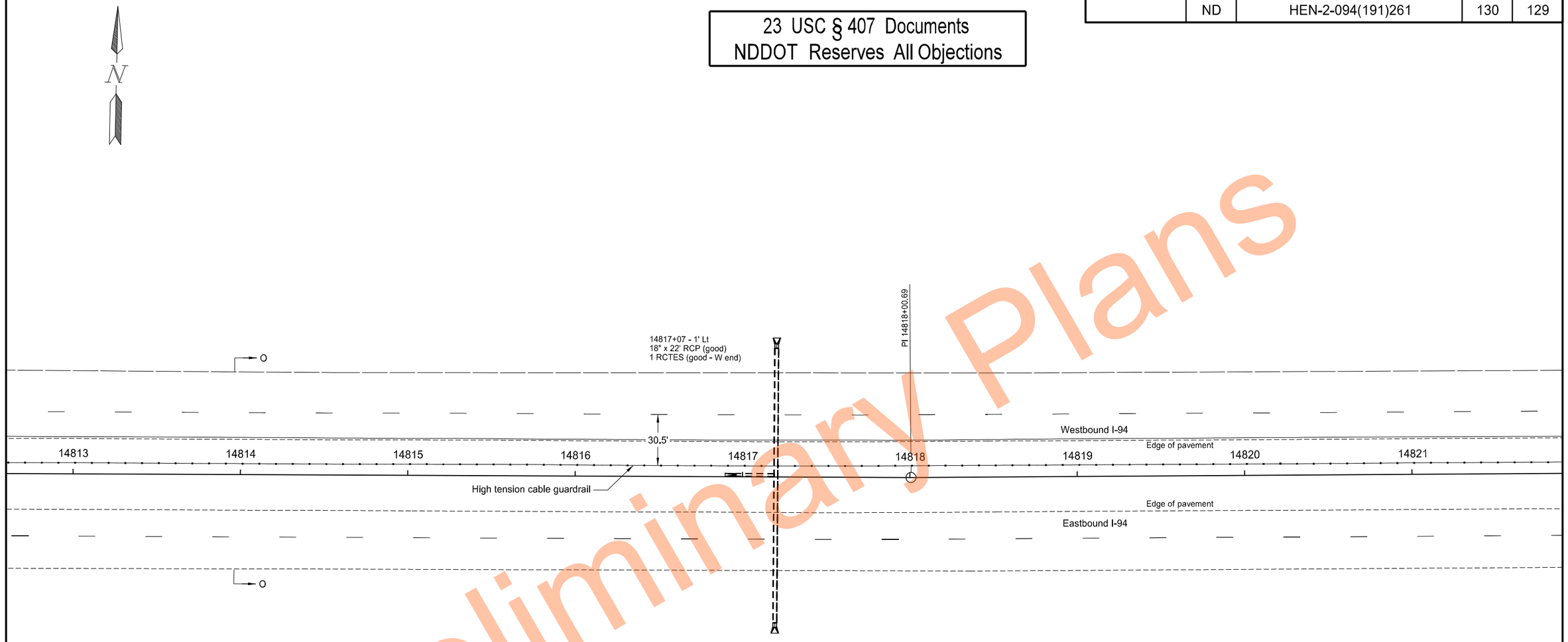
I-94 Median
E of Exit 260 to W of Oakes

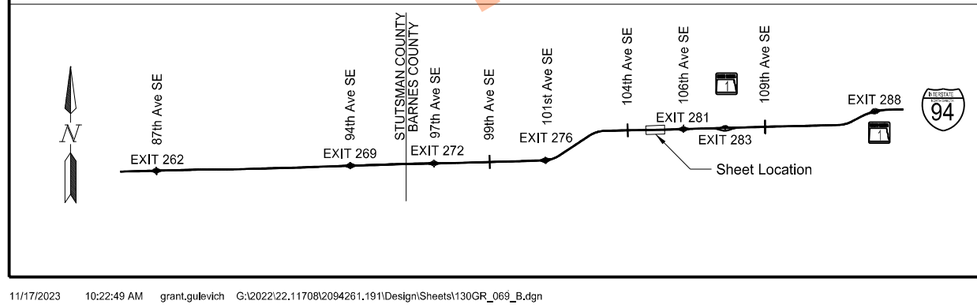
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	129

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14813+25.0 to Sta 14821+25.0

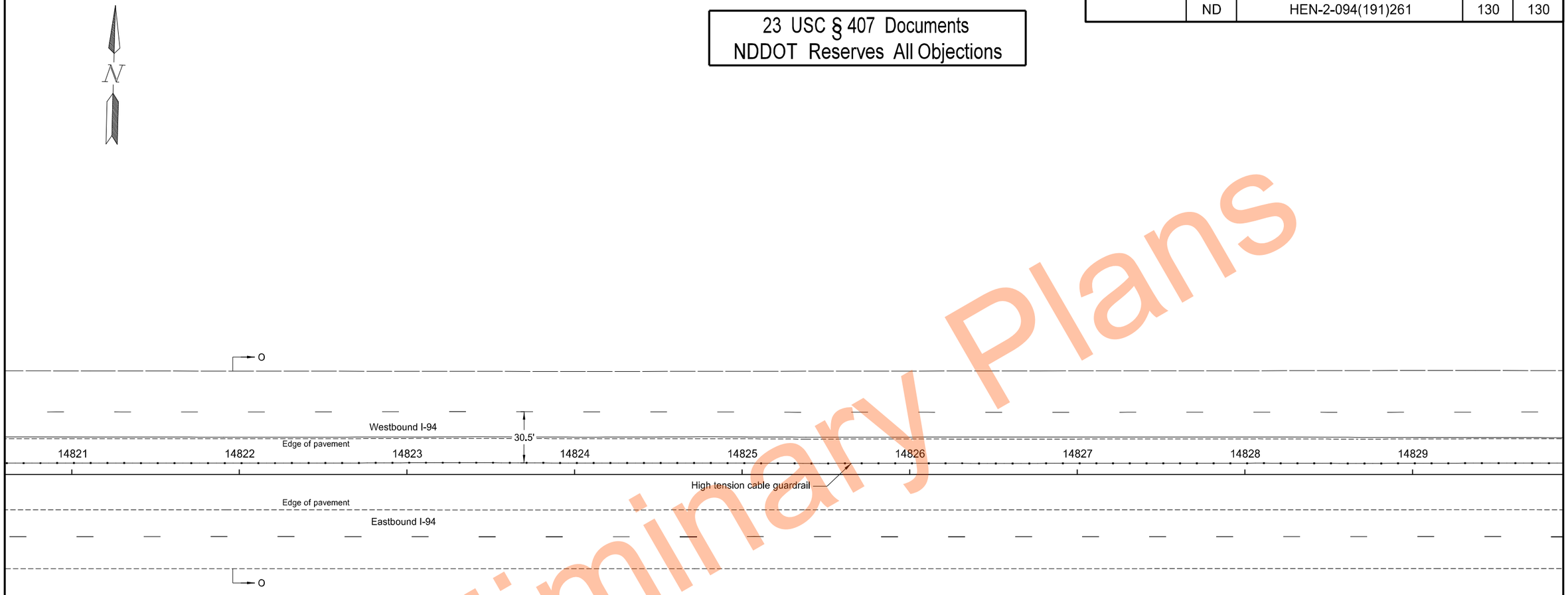
I-94 Median
E of Exit 260 to W of Oakes

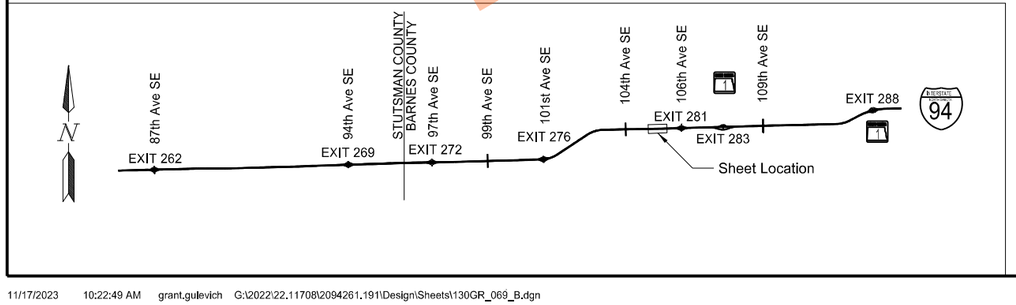
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	130

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14821+25.0 to Sta 14829+25.0

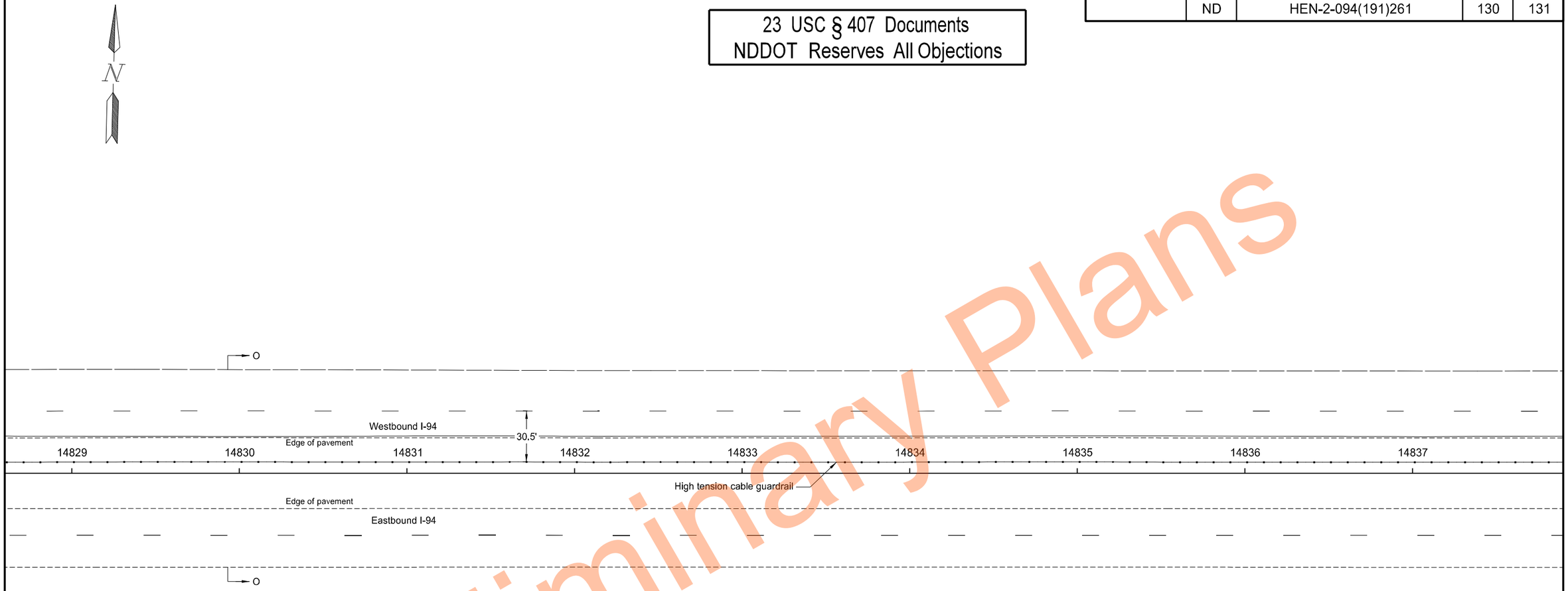
I-94 Median
E of Exit 260 to W of Oakes

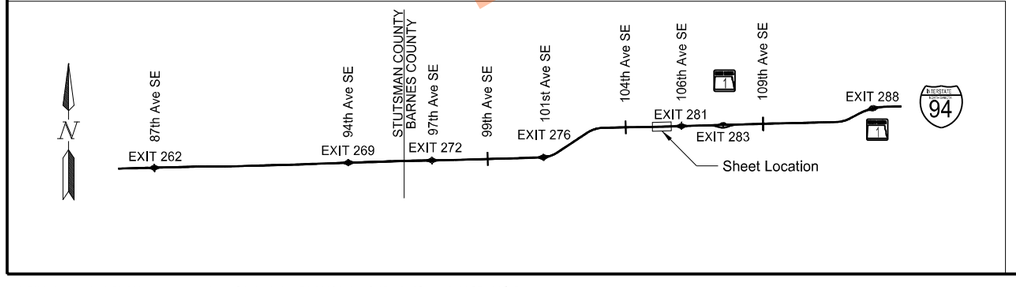
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	131

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14829+25.0 to Sta 14837+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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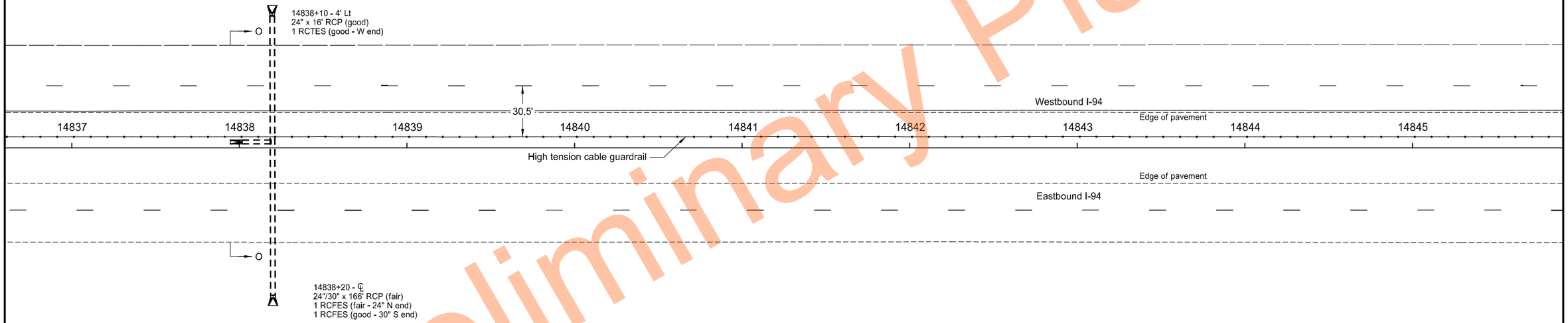
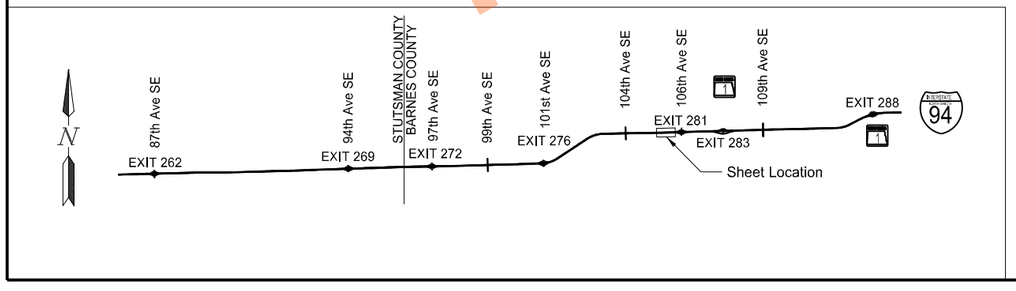
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	132

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14837+25.0 to Sta 14845+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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DATE 11/17/2023
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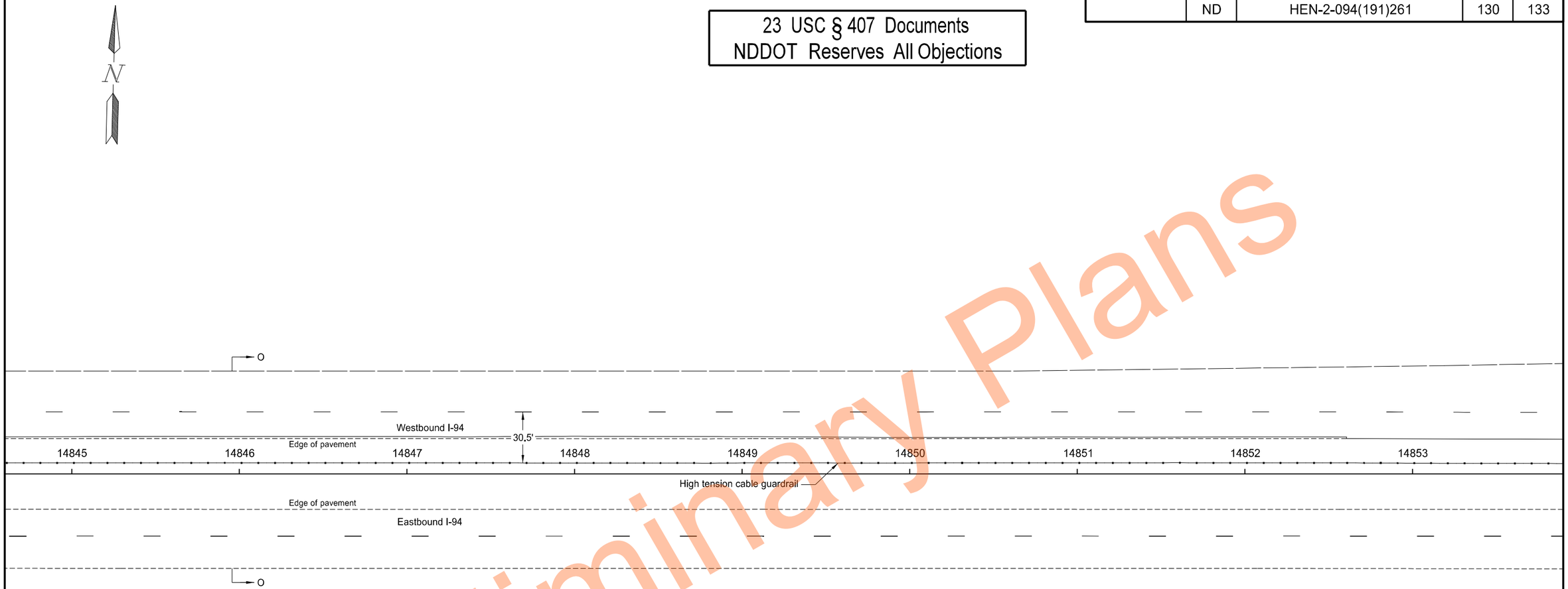
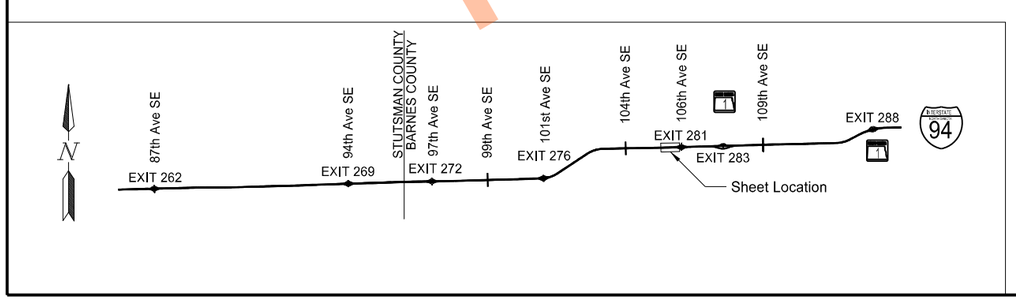
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	133

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment O
Sta 14845+25.0 to Sta 14853+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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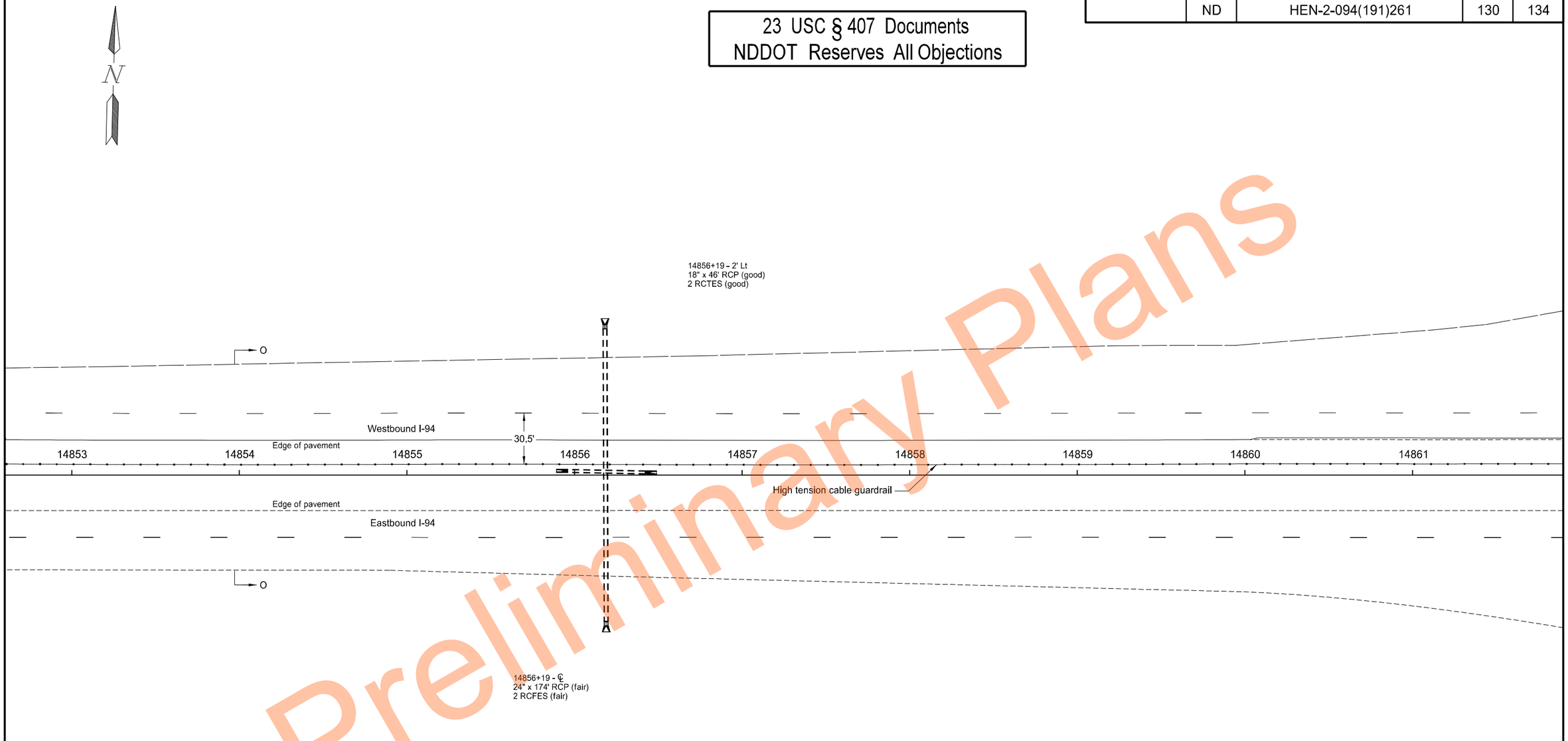
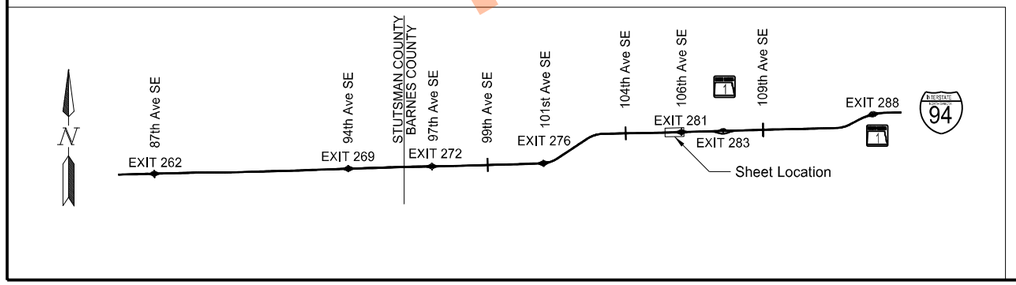
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	134

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment O
Sta 14853+25.0 to Sta 14861+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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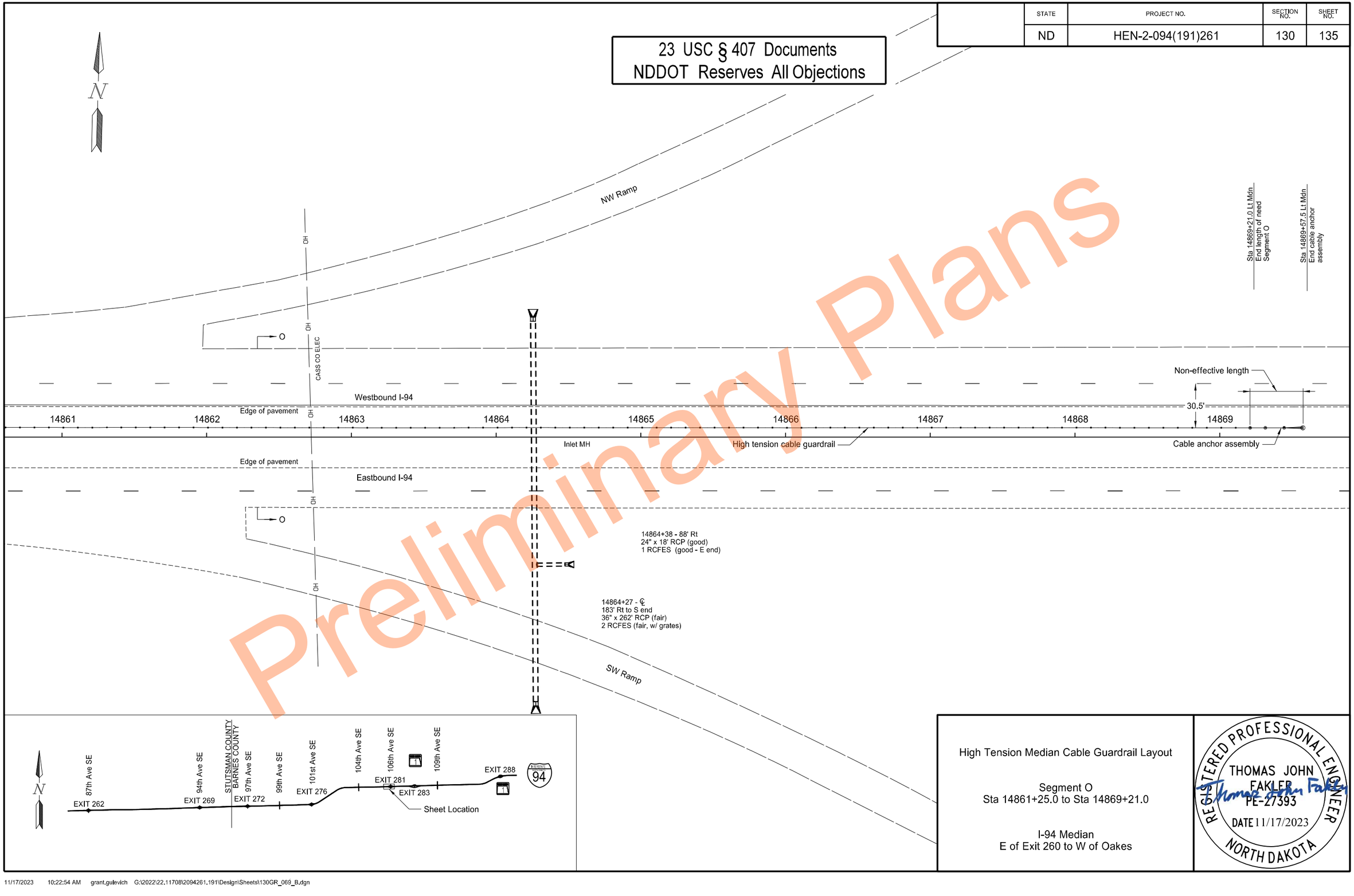
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	135

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment O
Sta 14861+25.0 to Sta 14869+21.0

I-94 Median
E of Exit 260 to W of Oakes

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	136

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans

N

106th Ave SE

NE Ramp

Sta 14869+21.0 Lt Mdn
End length of need
Segment O

Sta 14869+57.5 Lt Mdn
End cable anchor
assembly

Sta 14871+80.5 Lt Mdn
Begin cable anchor
assembly

Sta 14872+17.0 Lt Mdn
Begin length of need
Segment P

P

Non-effective length

Non-effective length

30.5'

30.5'

Westbound I-94

14869 14870 14871 14872 14873 14874 14875 14876 14877

Edge of pavement

Cable anchor assembly

High tension cable guardrail

Cable anchor assembly

Edge of pavement

Eastbound I-94

RP 281.640

14871+61 - ℄
24"/30" x 168' RCP (fair)
1 RCFES (fair - 24" N end)
1 RCFES (good - 30" S end)

P

14871+72 - 0' Lt
18" x 18" RCP (good)
1 RCTES (good - E end)

SE Ramp

N

87th Ave SE
94th Ave SE
STUTSMAN COUNTY
BARNES COUNTY
97th Ave SE
99th Ave SE
101st Ave SE
104th Ave SE
106th Ave SE
109th Ave SE

EXIT 262
EXIT 269
EXIT 272
EXIT 276
EXIT 281
EXIT 283
EXIT 288

Sheet Location

94

High Tension Median Cable Guardrail Layout

Segment P
Sta 14872+17.0 to Sta 14877+25.0

I-94 Median
E of Exit 260 to W of Oakes

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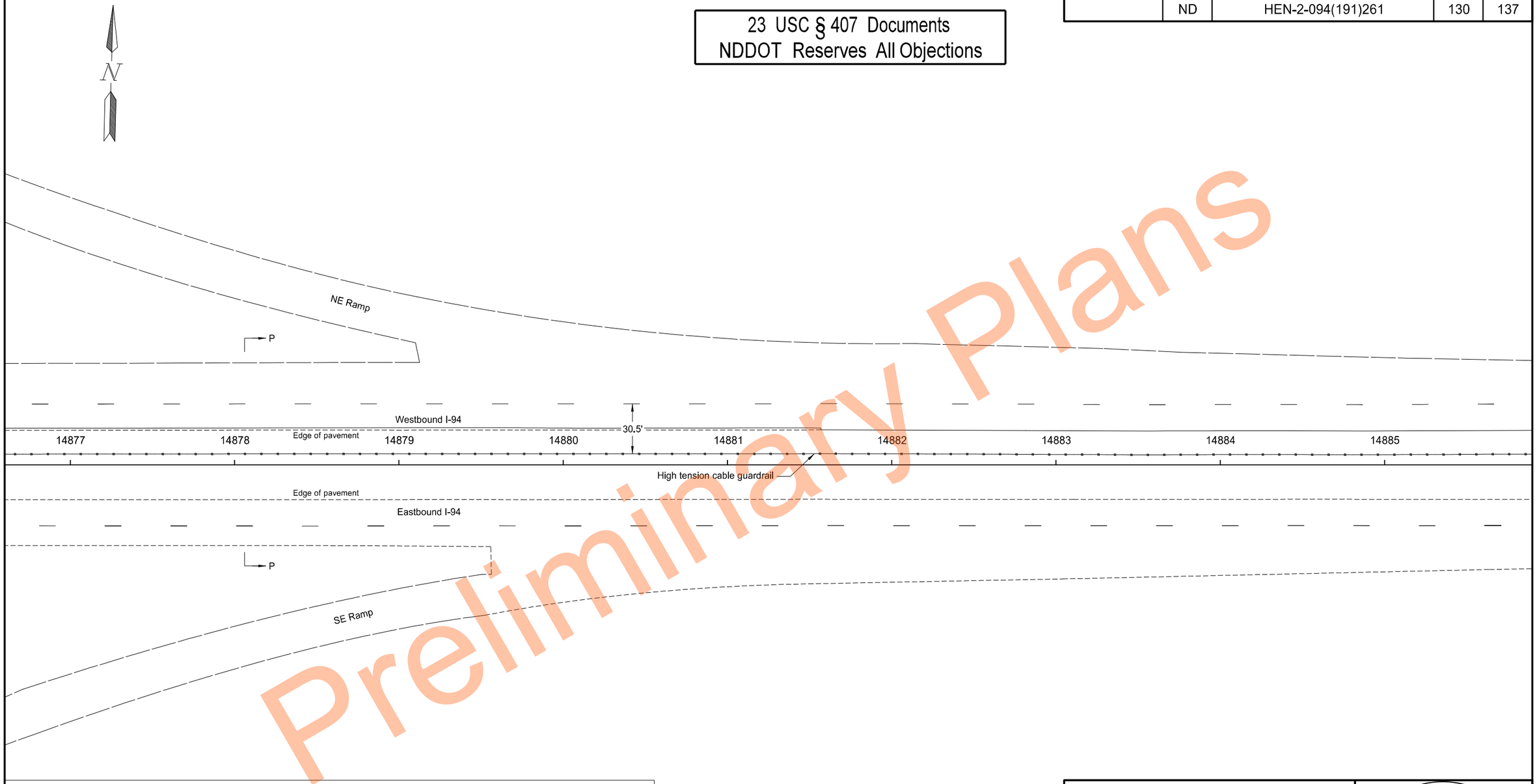
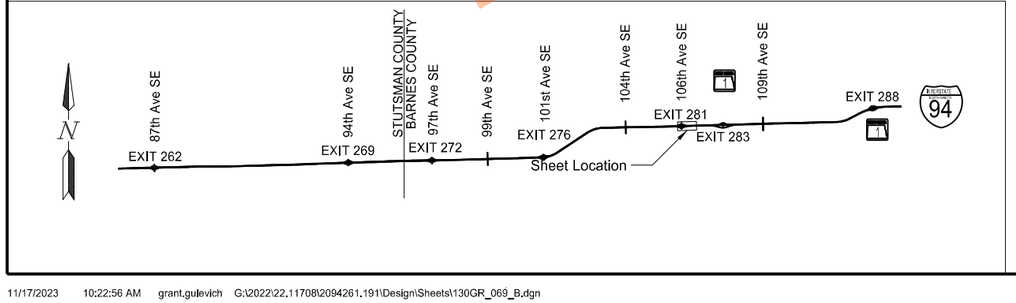
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	137

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment P
Sta 14877+25.0 to Sta 14885+25.0

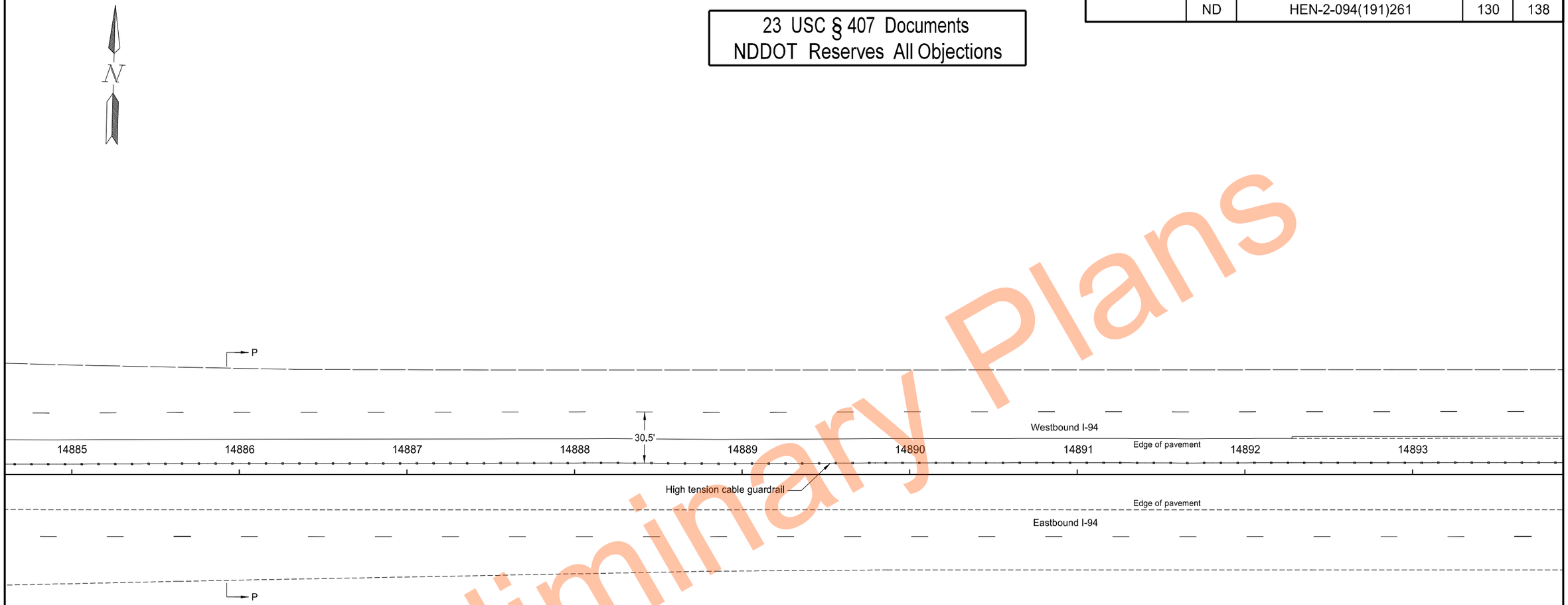
I-94 Median
E of Exit 260 to W of Oakes

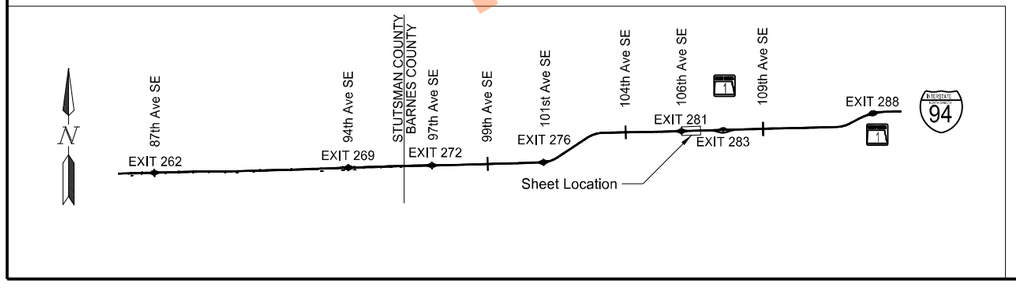
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	138

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment P
Sta 14885+25.0 to Sta 14893+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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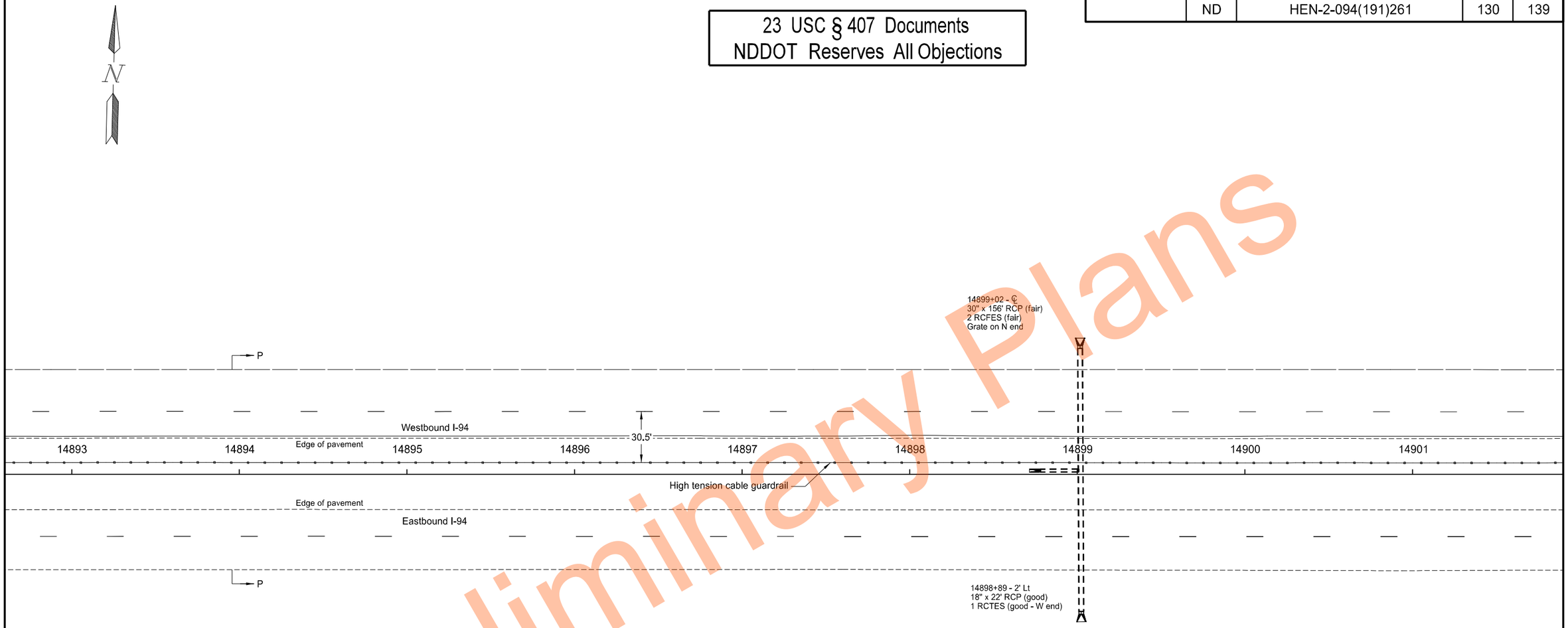
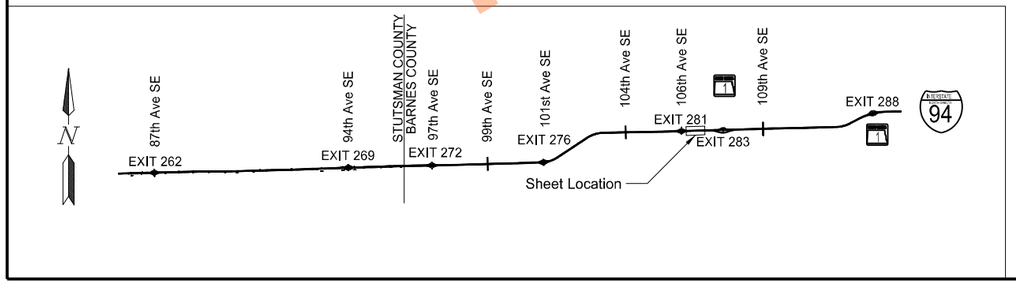
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	139

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment P
Sta 14893+25.0 to Sta 14901+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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DATE 11/17/2023
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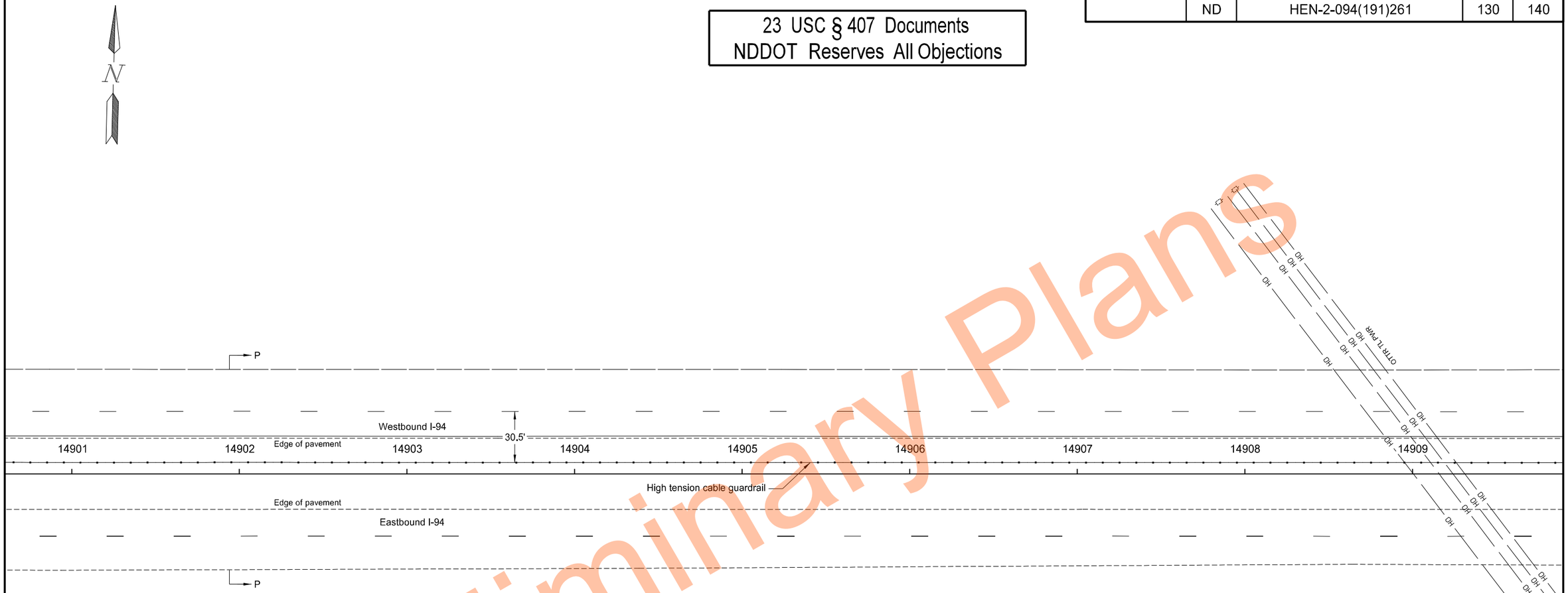
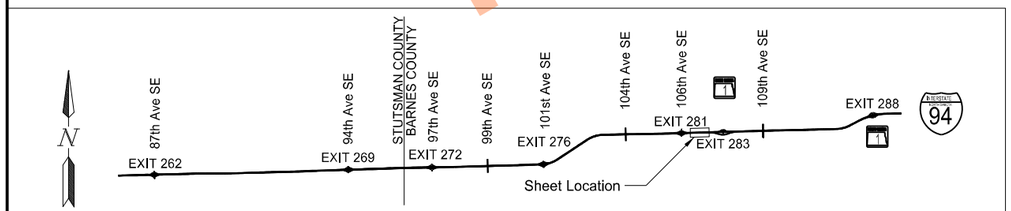
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	140

23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment P
Sta 14901+25.0 to Sta 14909+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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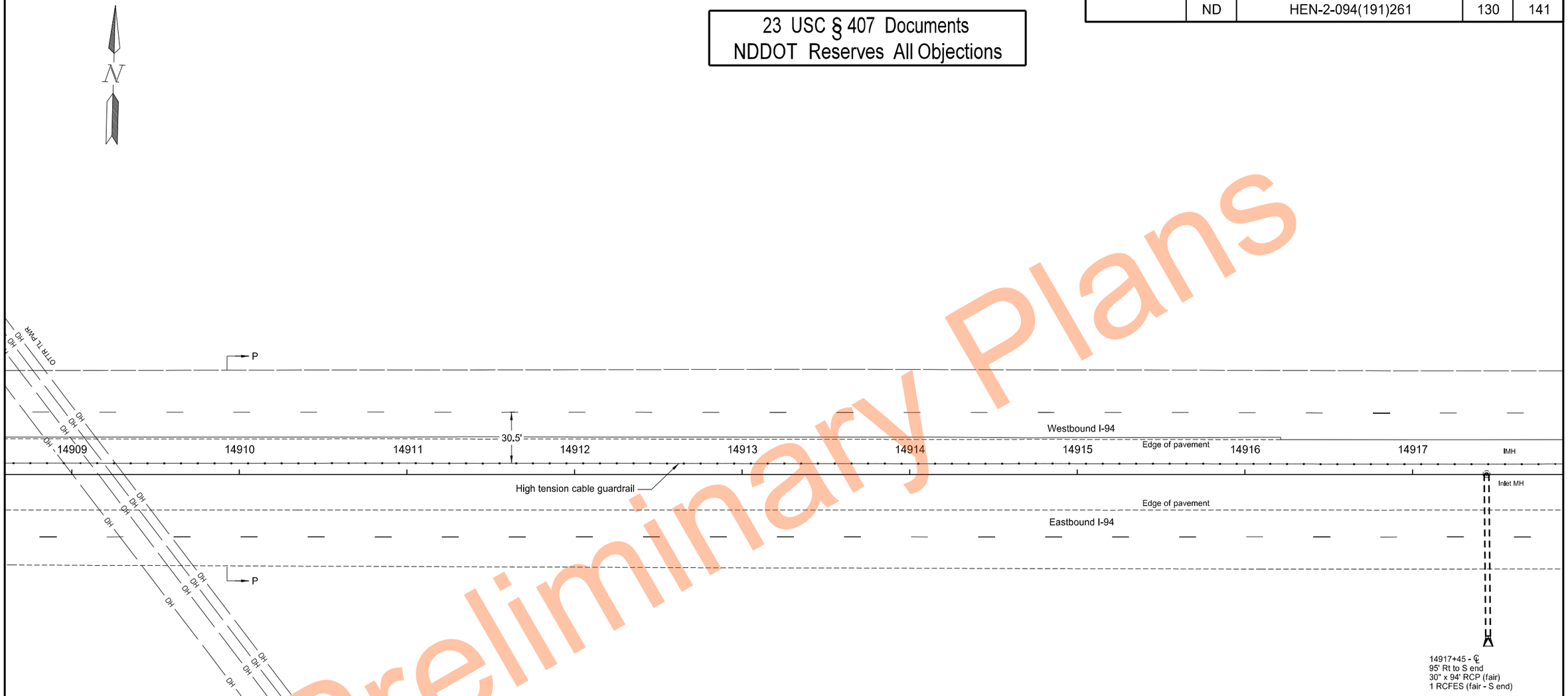
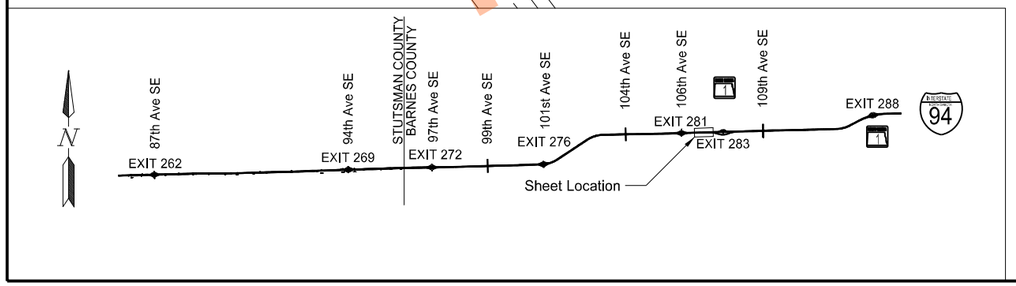
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment P
Sta 14909+25.0 to Sta 14917+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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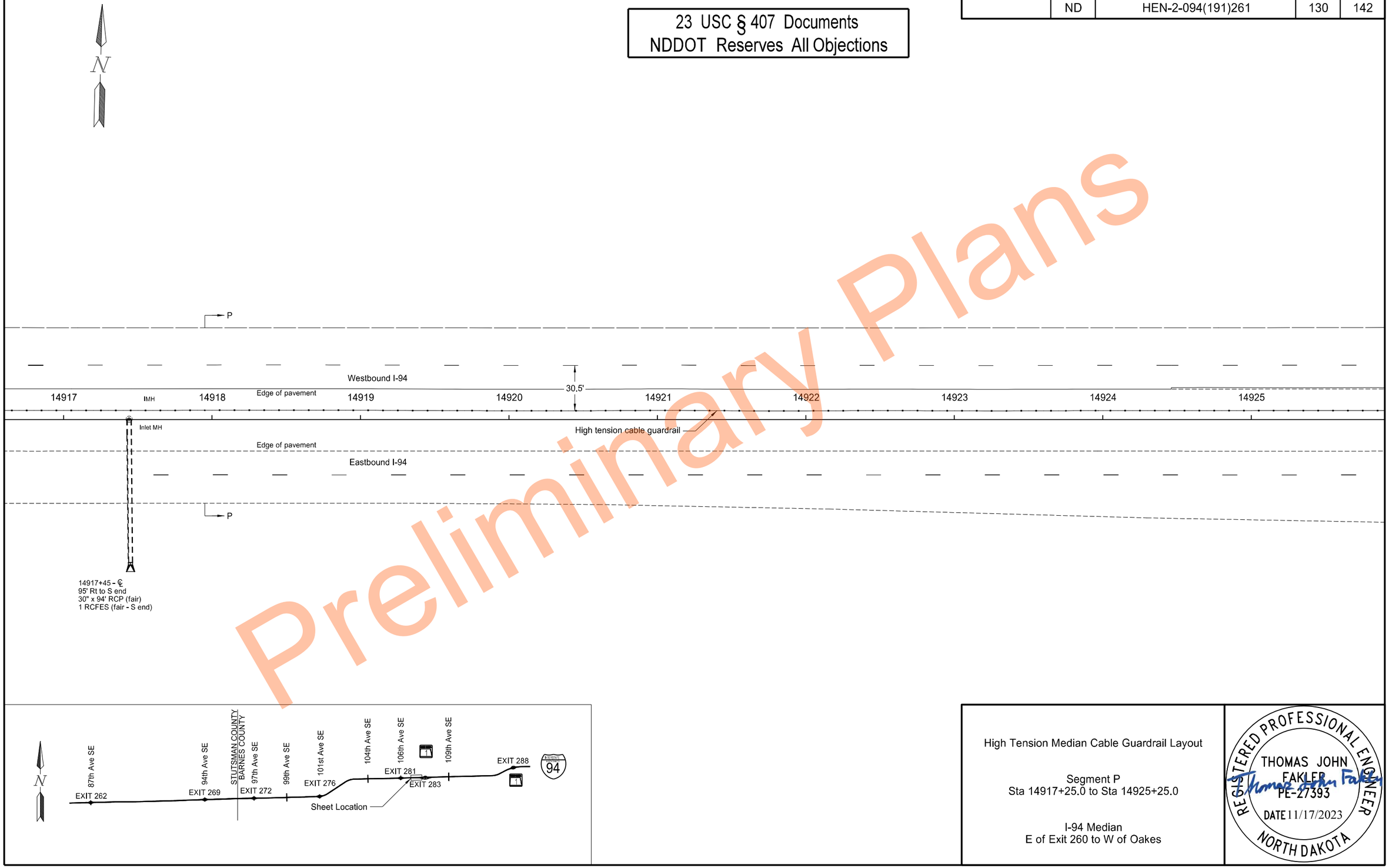
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	142

23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment P
Sta 14917+25.0 to Sta 14925+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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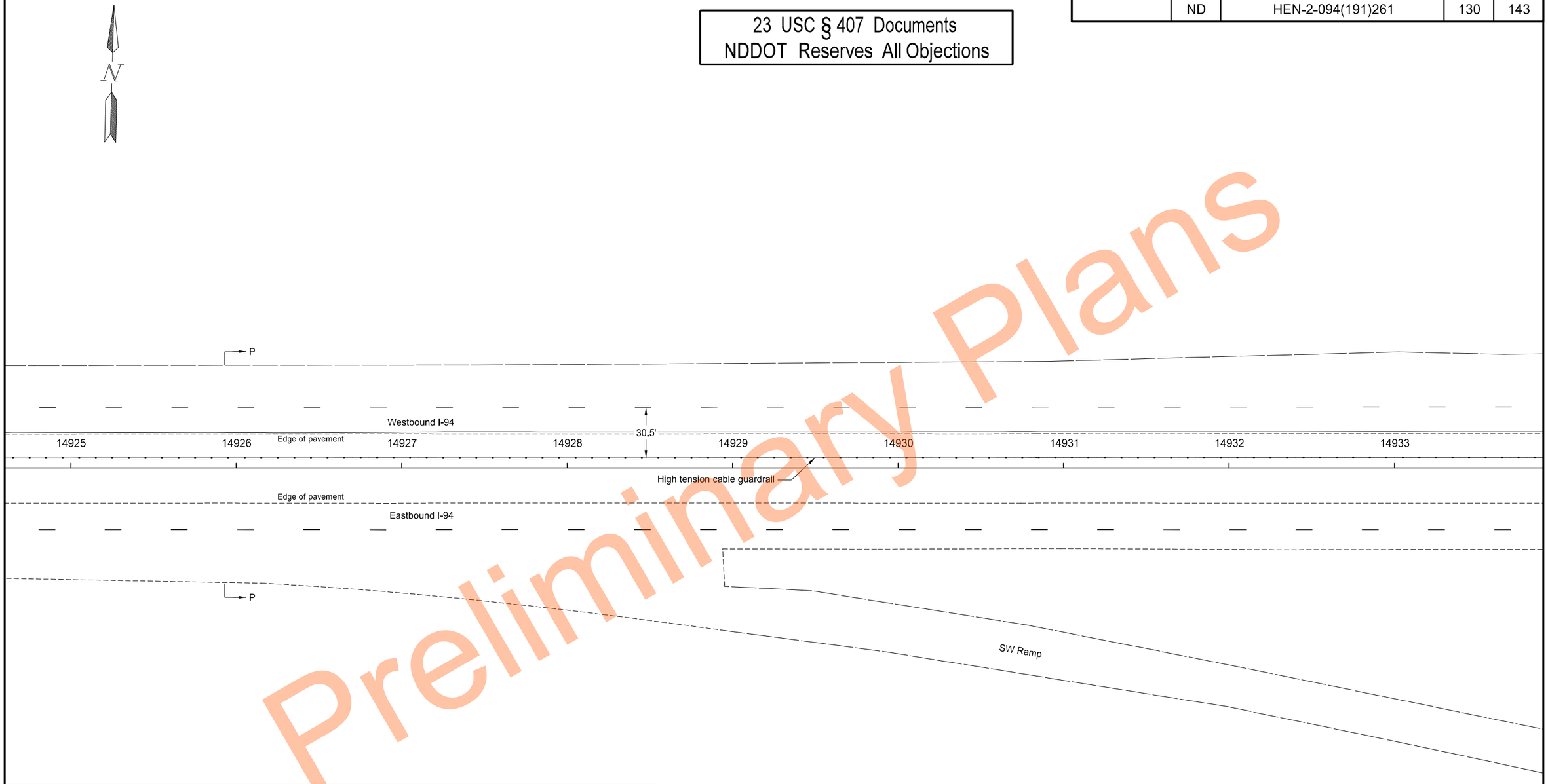
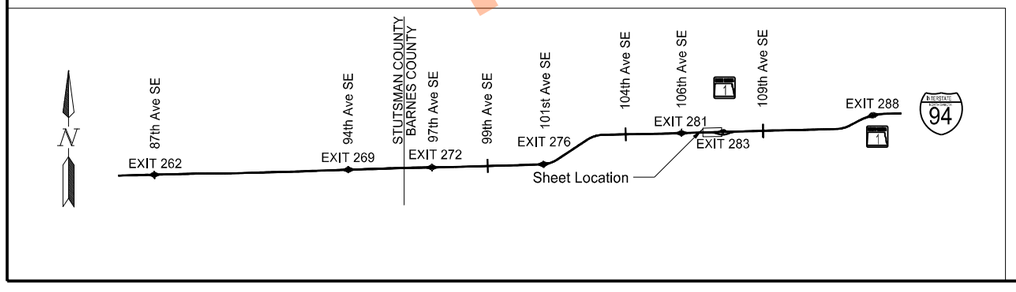
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	143

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment P
Sta 14925+25.0 to Sta 14933+25.0

I-94 Median
E of Exit 260 to W of Oakes

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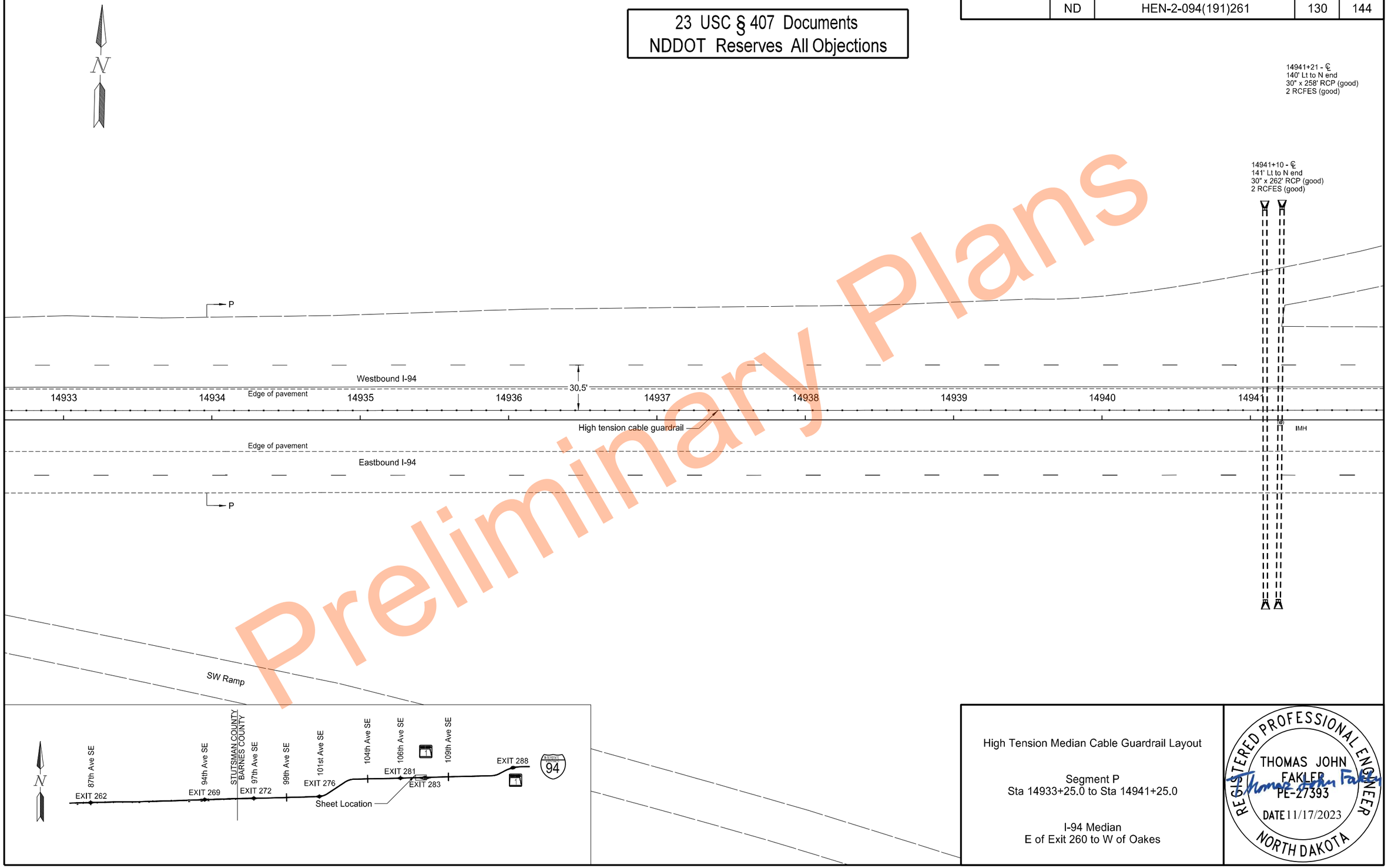
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	144

23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment P
Sta 14933+25.0 to Sta 14941+25.0

I-94 Median
E of Exit 260 to W of Oakes

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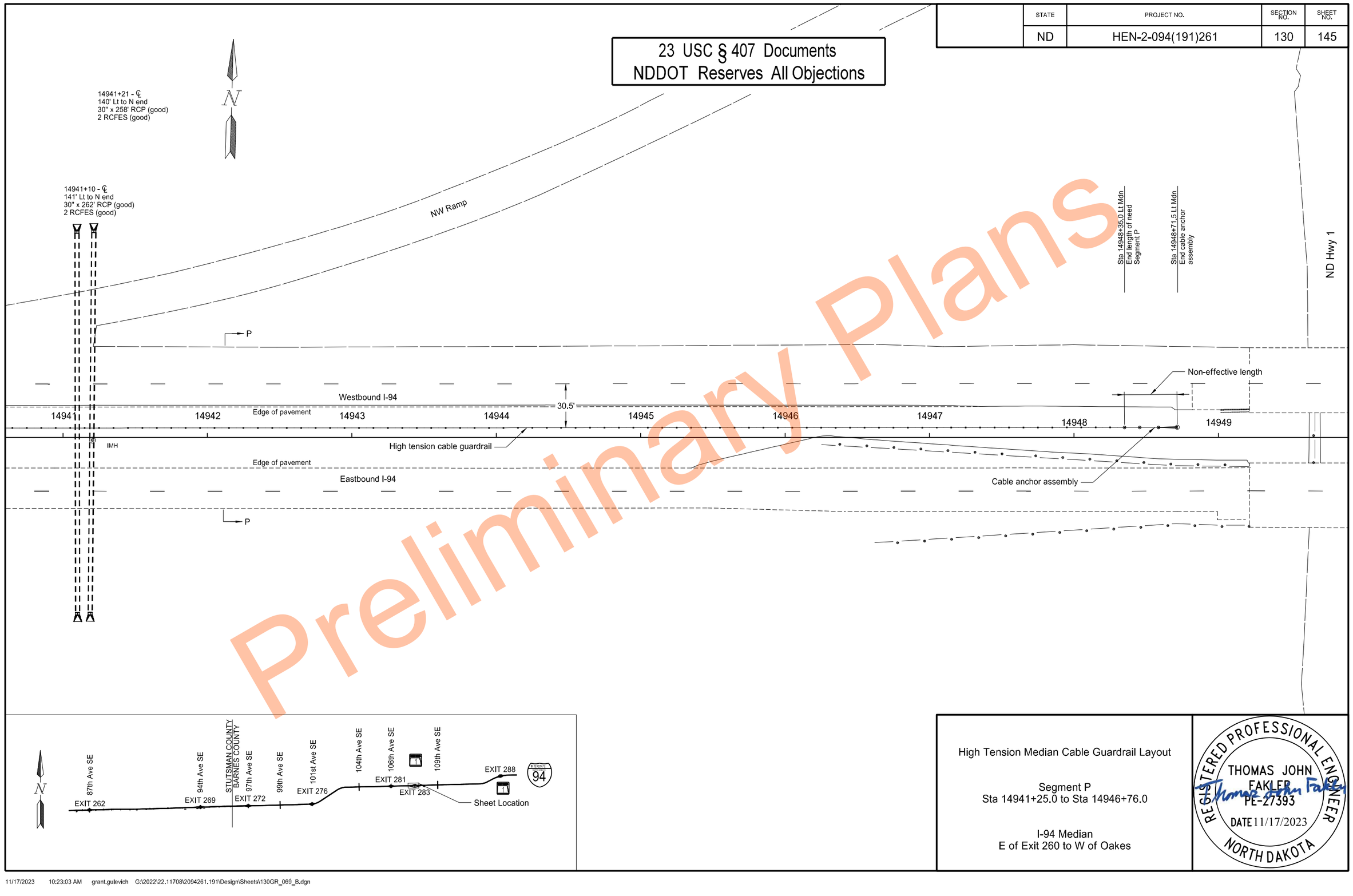
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	145

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment P
Sta 14941+25.0 to Sta 14946+76.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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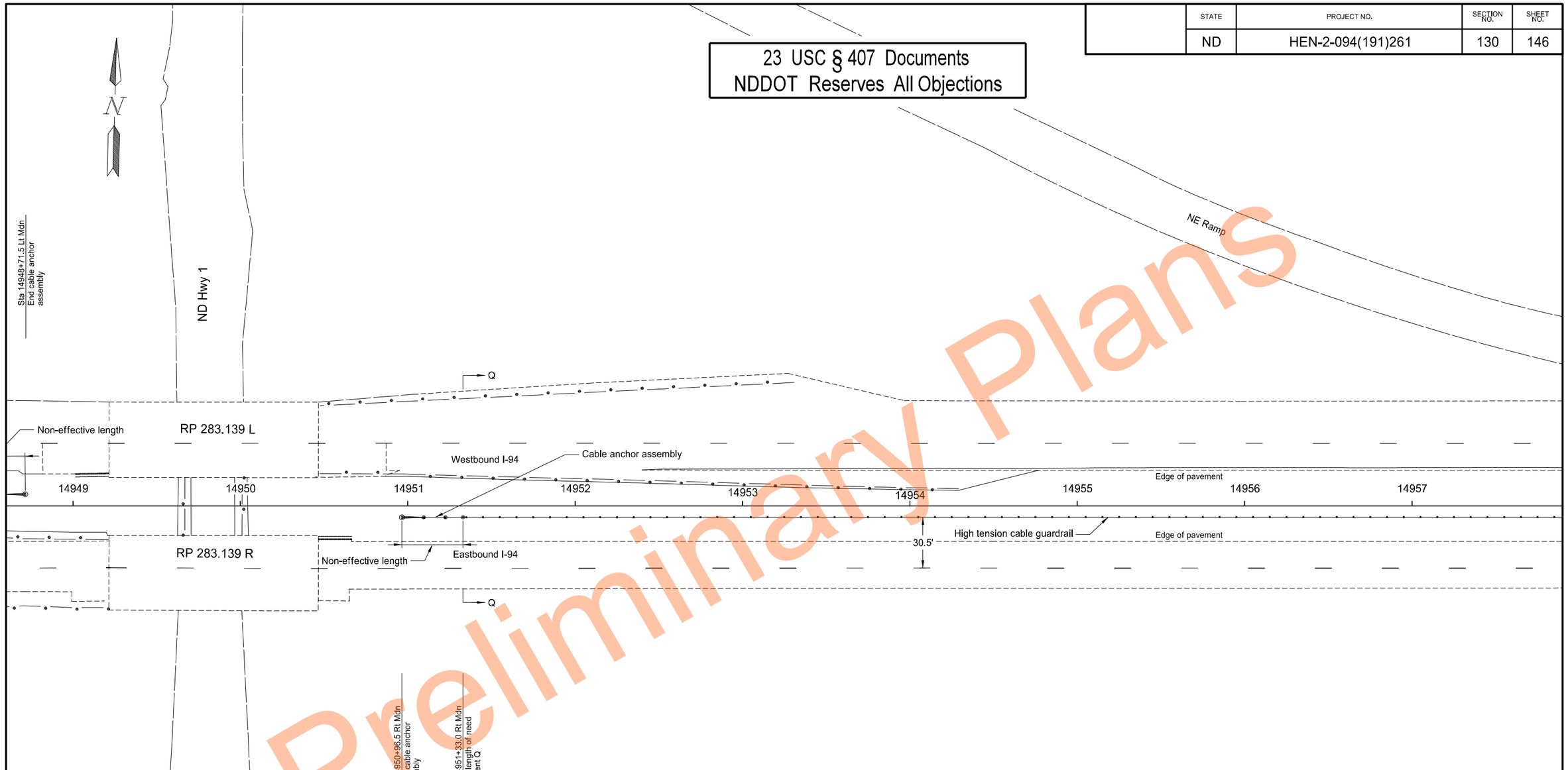
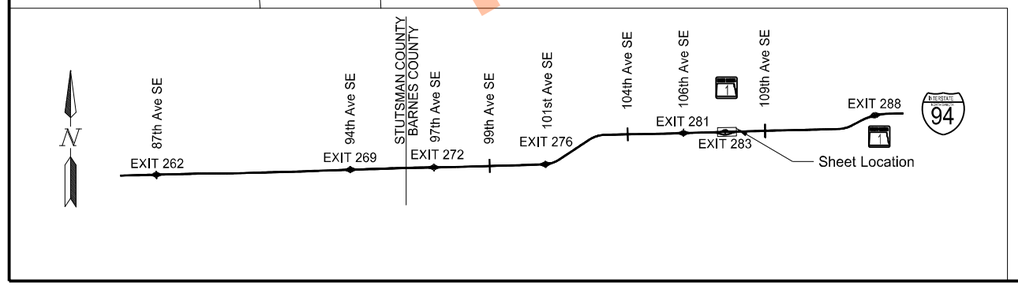
STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	146

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment Q
Sta 14953+68.0 to Sta 14957+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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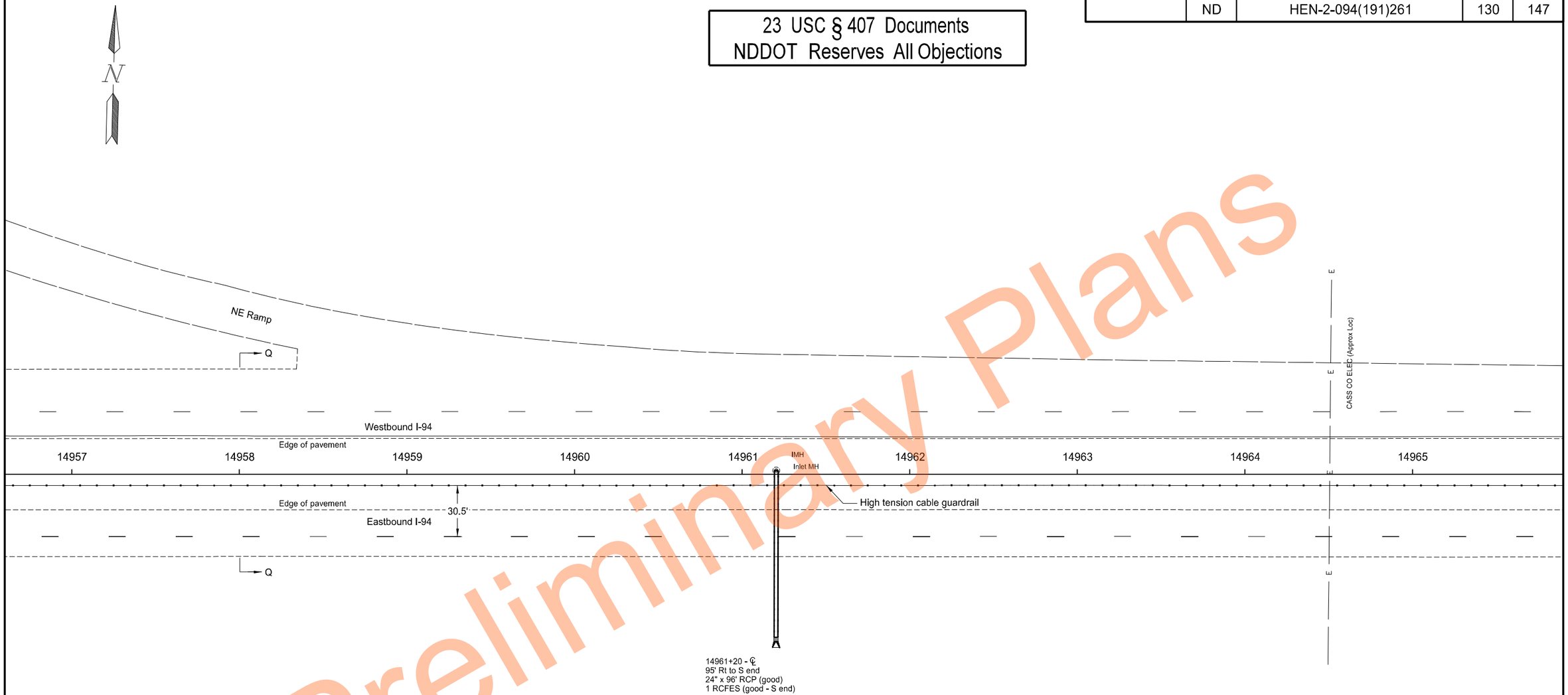
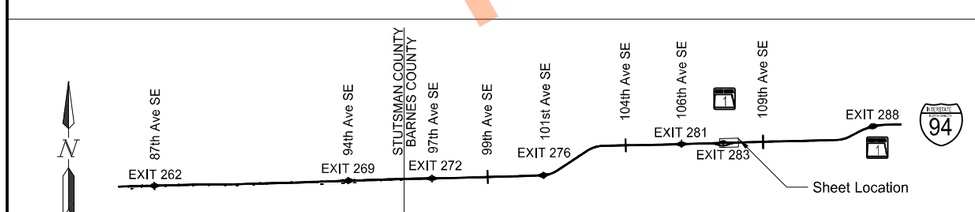
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	147

23 USC § 407 Documents
NDDOT Reserves All Objections





SE Ramp

High Tension Median Cable Guardrail Layout

Segment Q
Sta 14957+25.0 to Sta 14965+25.0

I-94 Median
E of Exit 260 to W of Oakes

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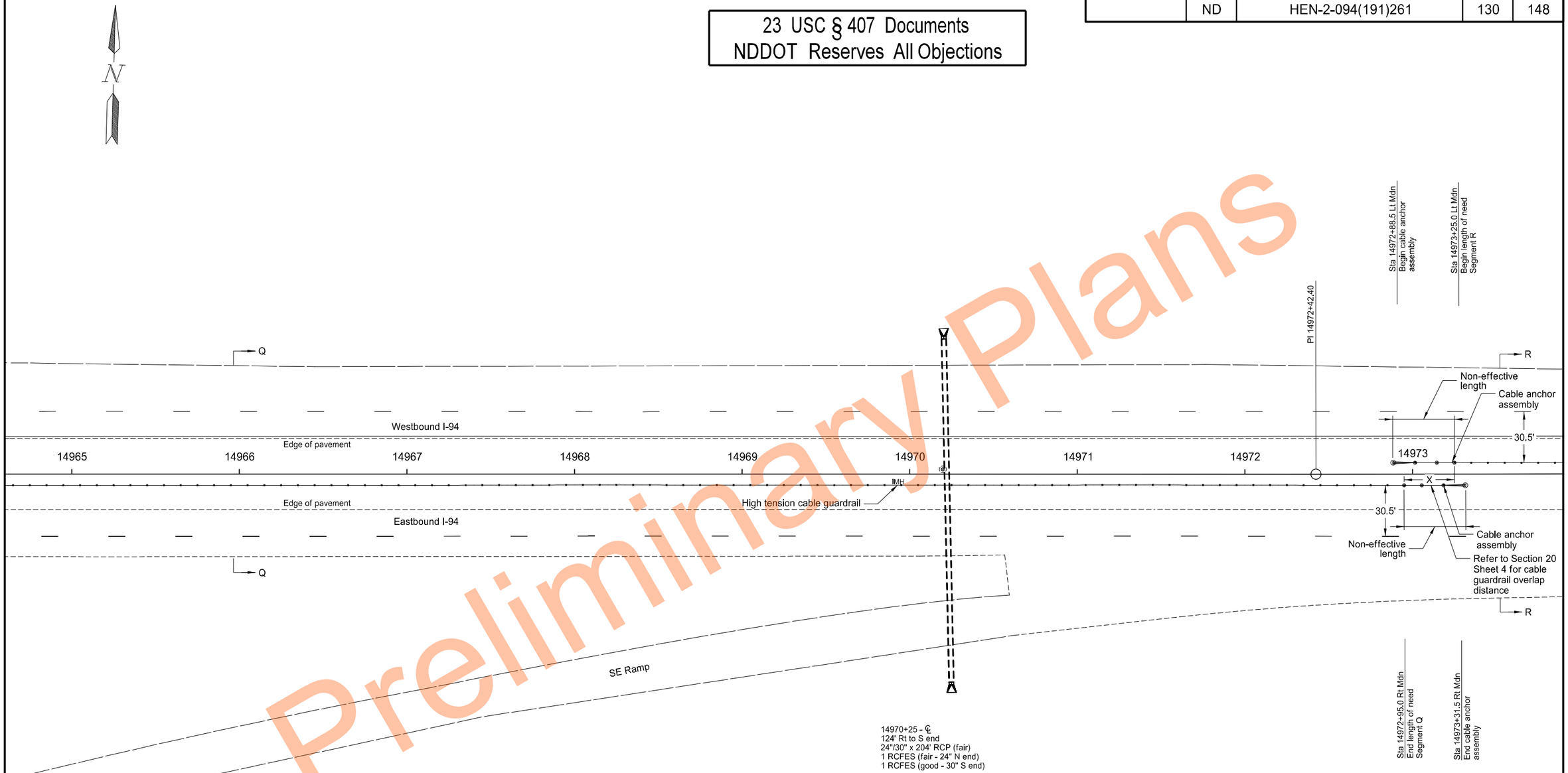
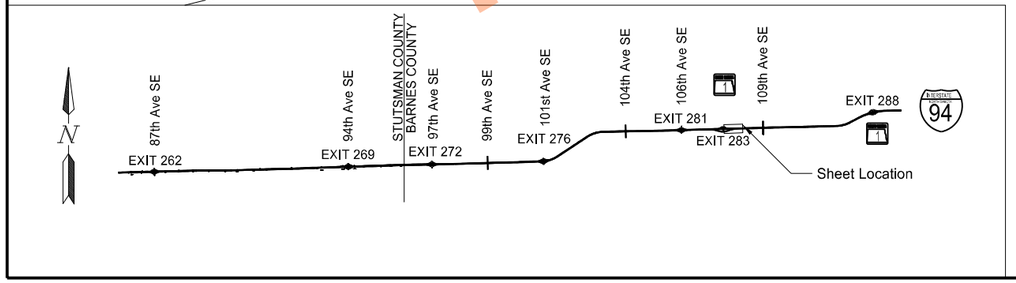
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	148

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment Q
Sta 14965+25.0 to Sta 14972+95.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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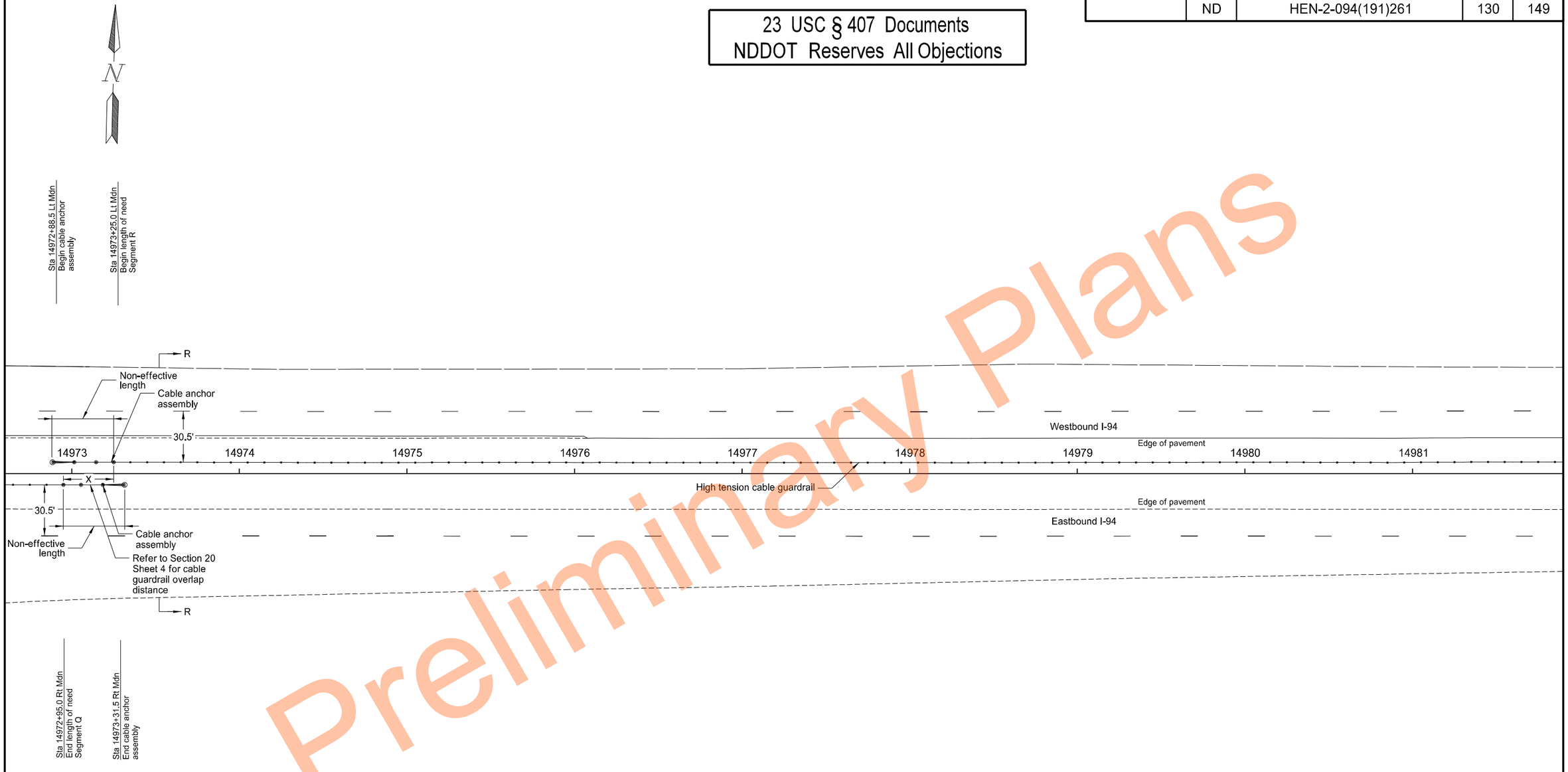
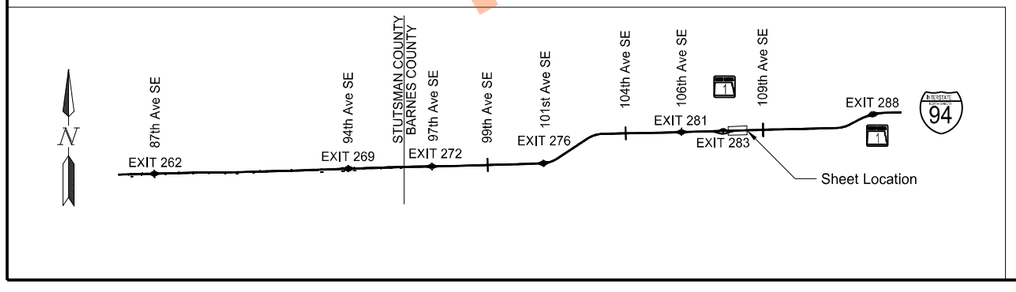
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	149

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment R
Sta 14973+25.0 to Sta 14981+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
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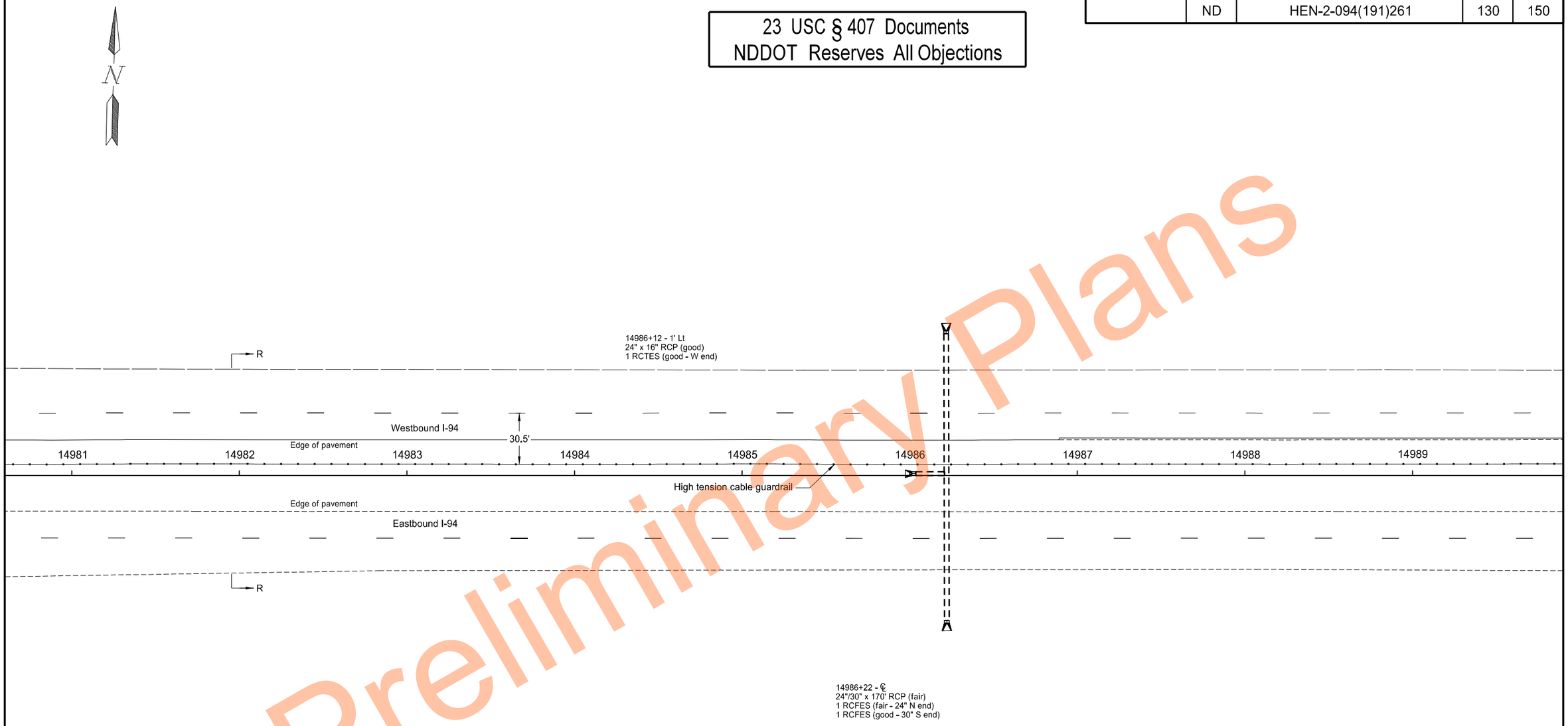
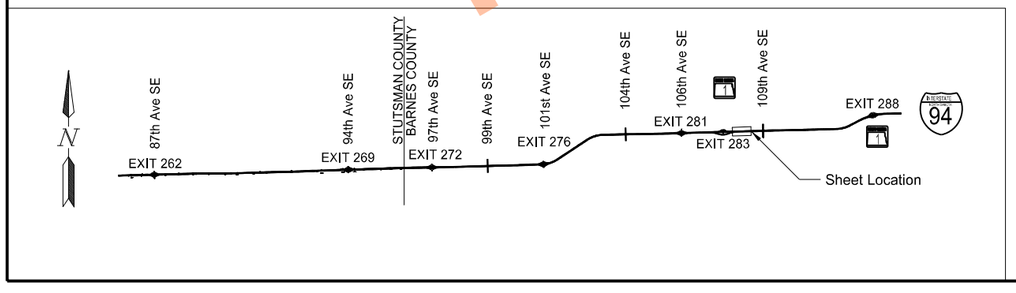
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	150

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment R
Sta 14981+25.0 to Sta 14989+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	151

23 USC § 407 Documents
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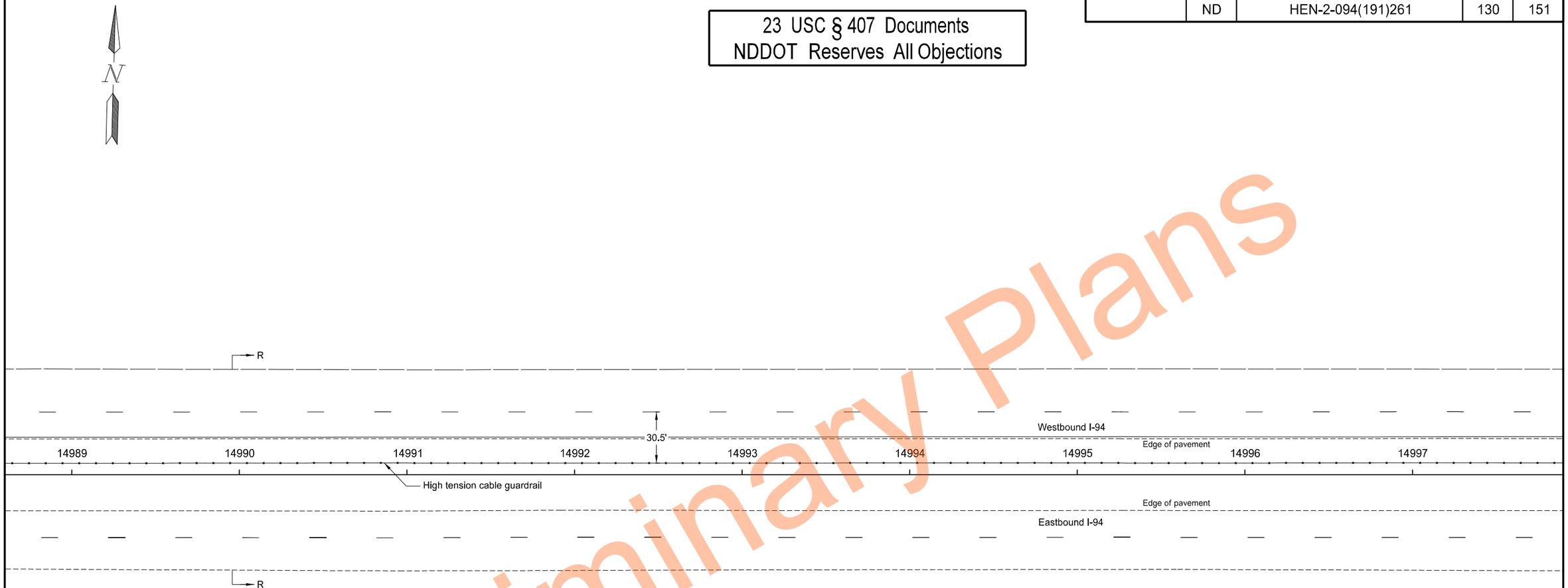

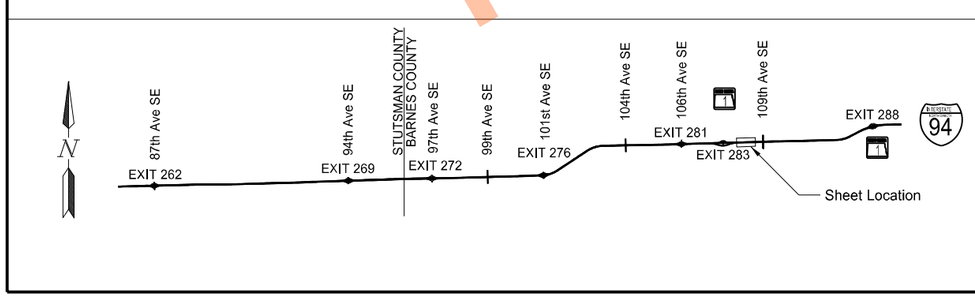

High Tension Median Cable Guardrail Layout

Segment R
Sta 14989+25.0 to Sta 14997+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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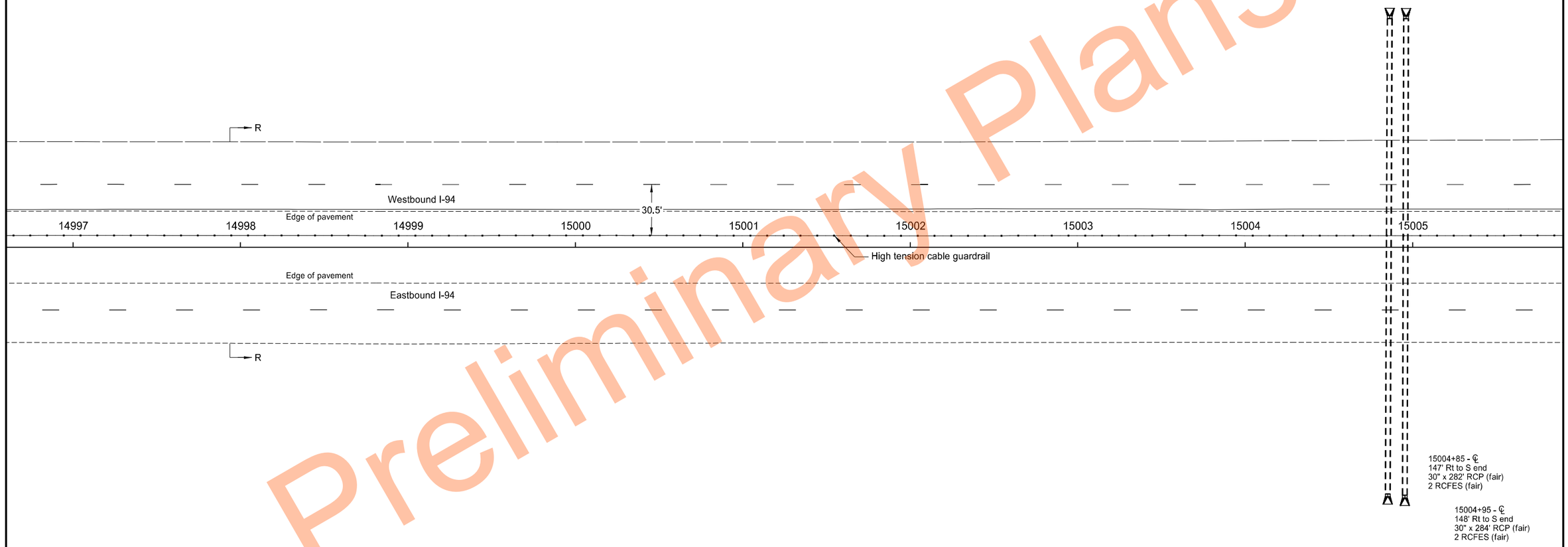
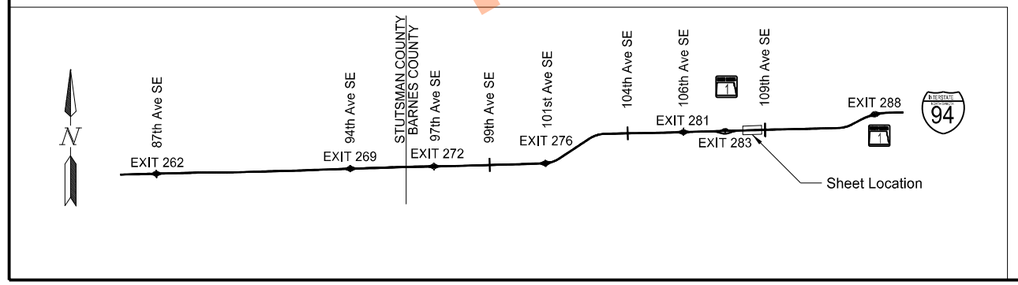
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	152

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment R
Sta 14997+25.0 to Sta 15005+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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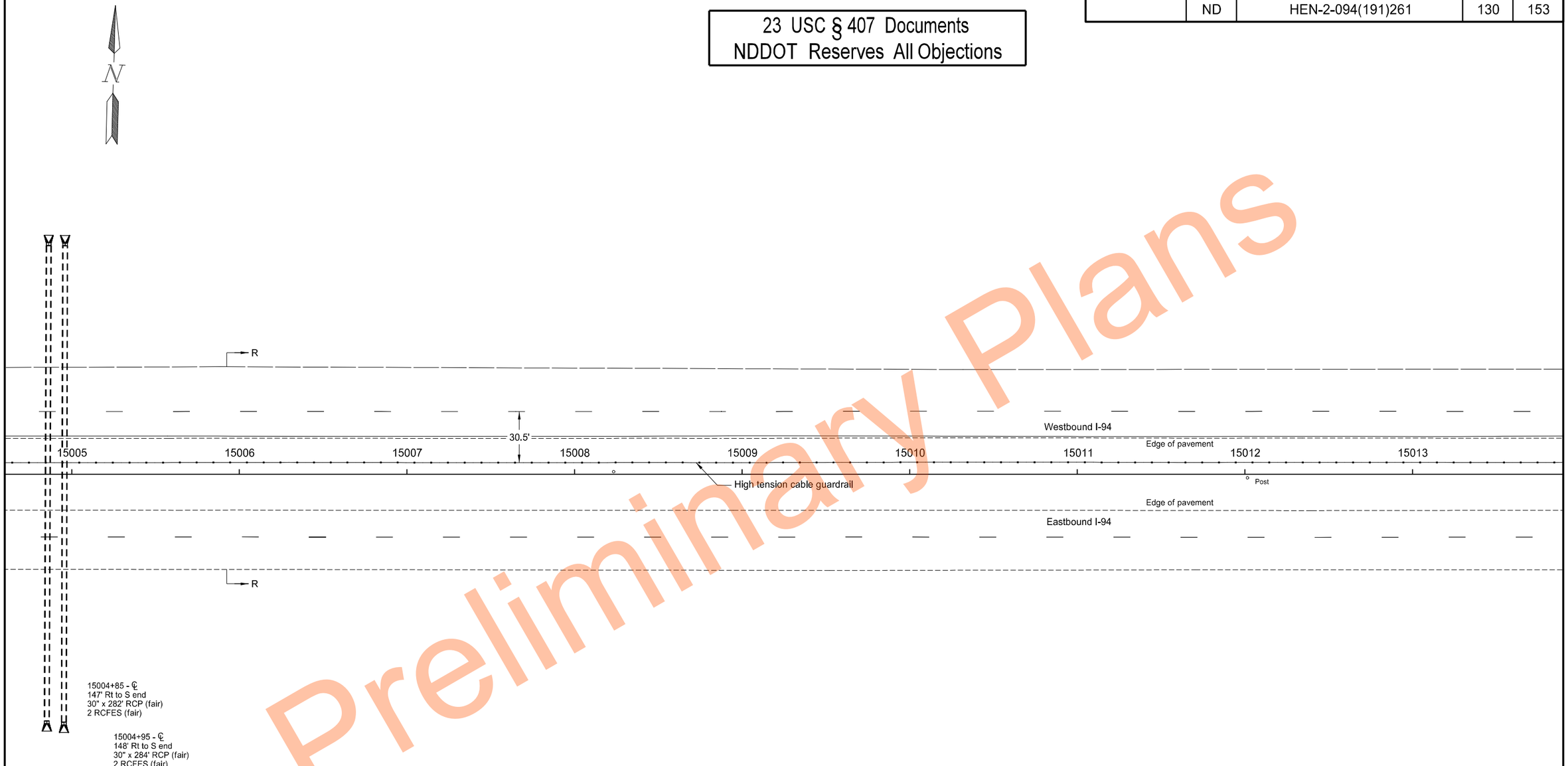
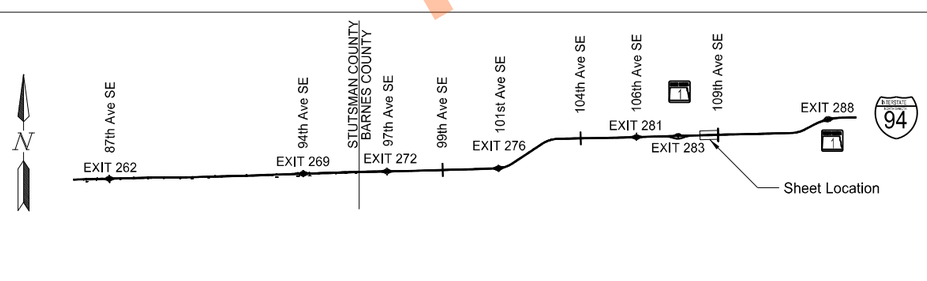
23 USC § 407 Documents
NDDOT Reserves All Objections





Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment R
Sta 15005+25.0 to Sta 15013+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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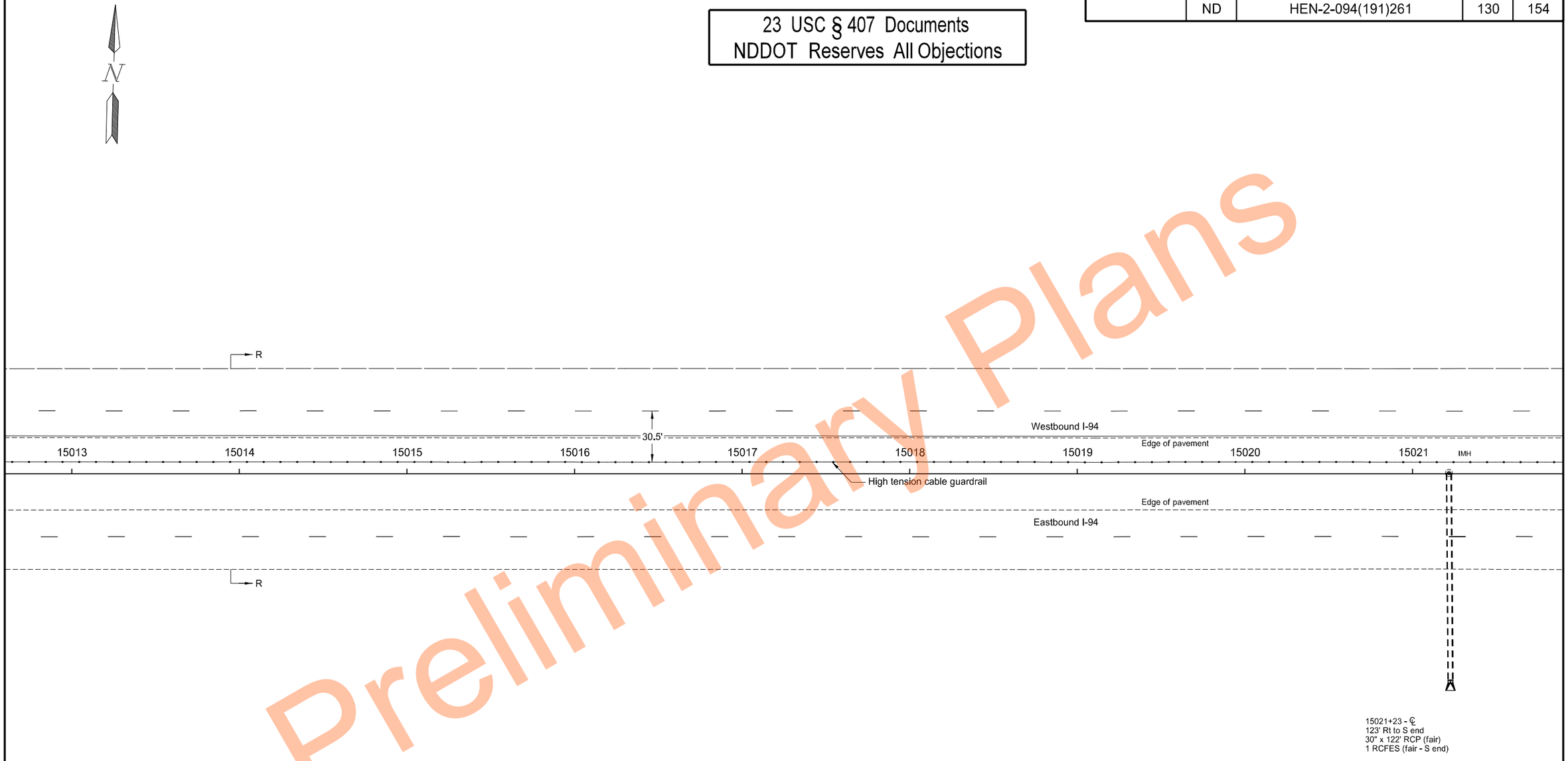
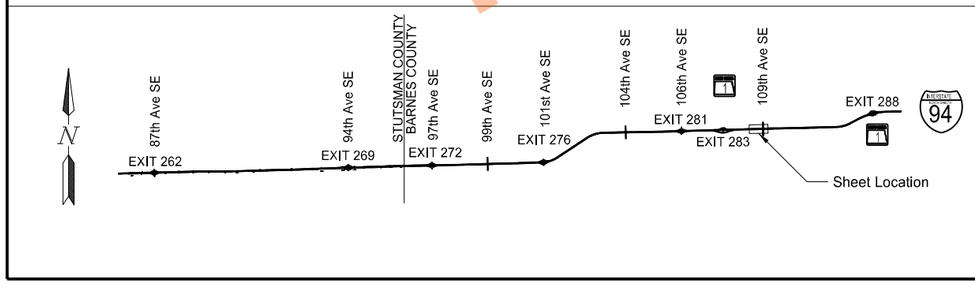
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment R
Sta 15013+25.0 to Sta 15021+25.0

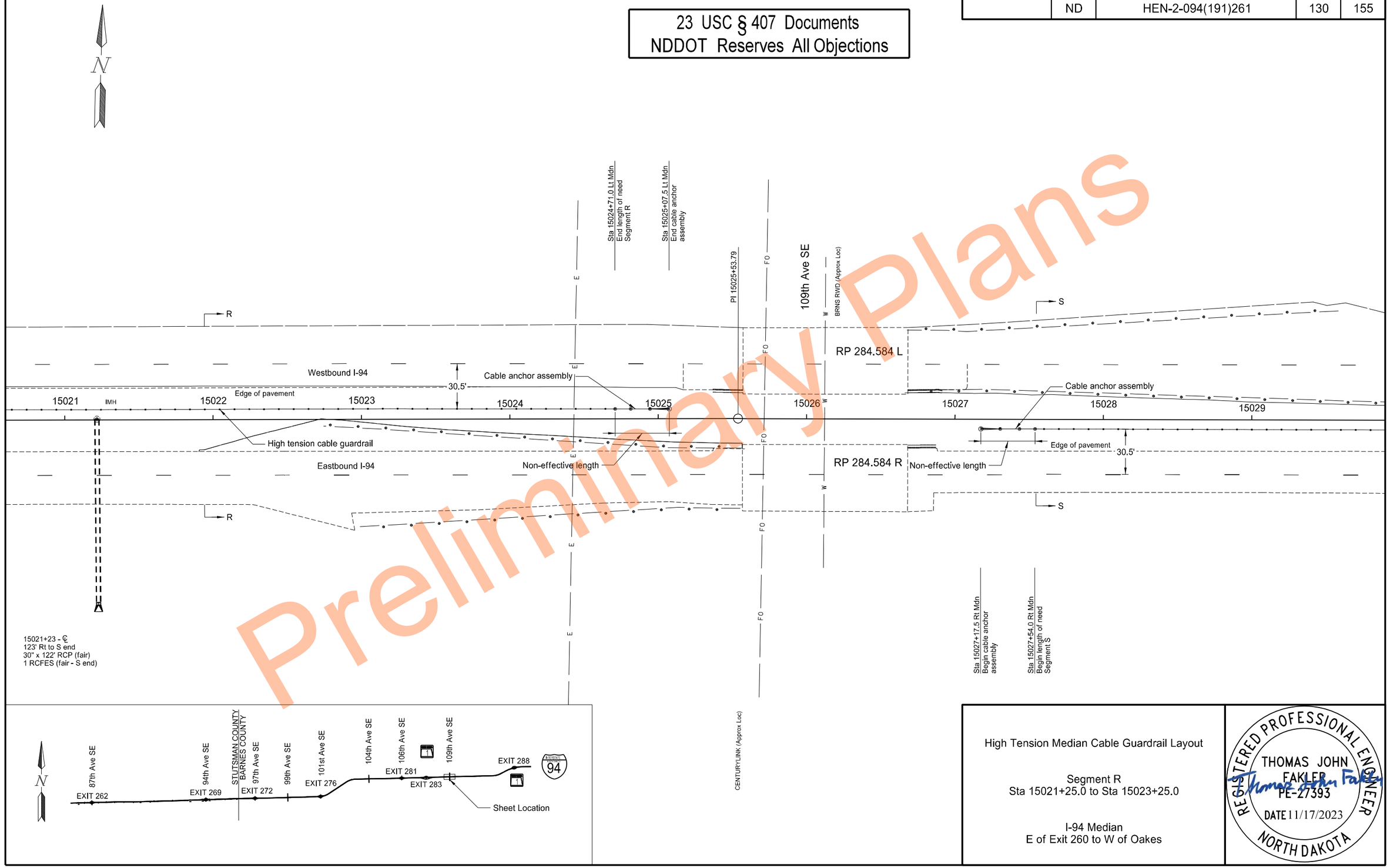
I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	155

23 USC § 407 Documents
NDDOT Reserves All Objections



High Tension Median Cable Guardrail Layout

Segment R
Sta 15021+25.0 to Sta 15023+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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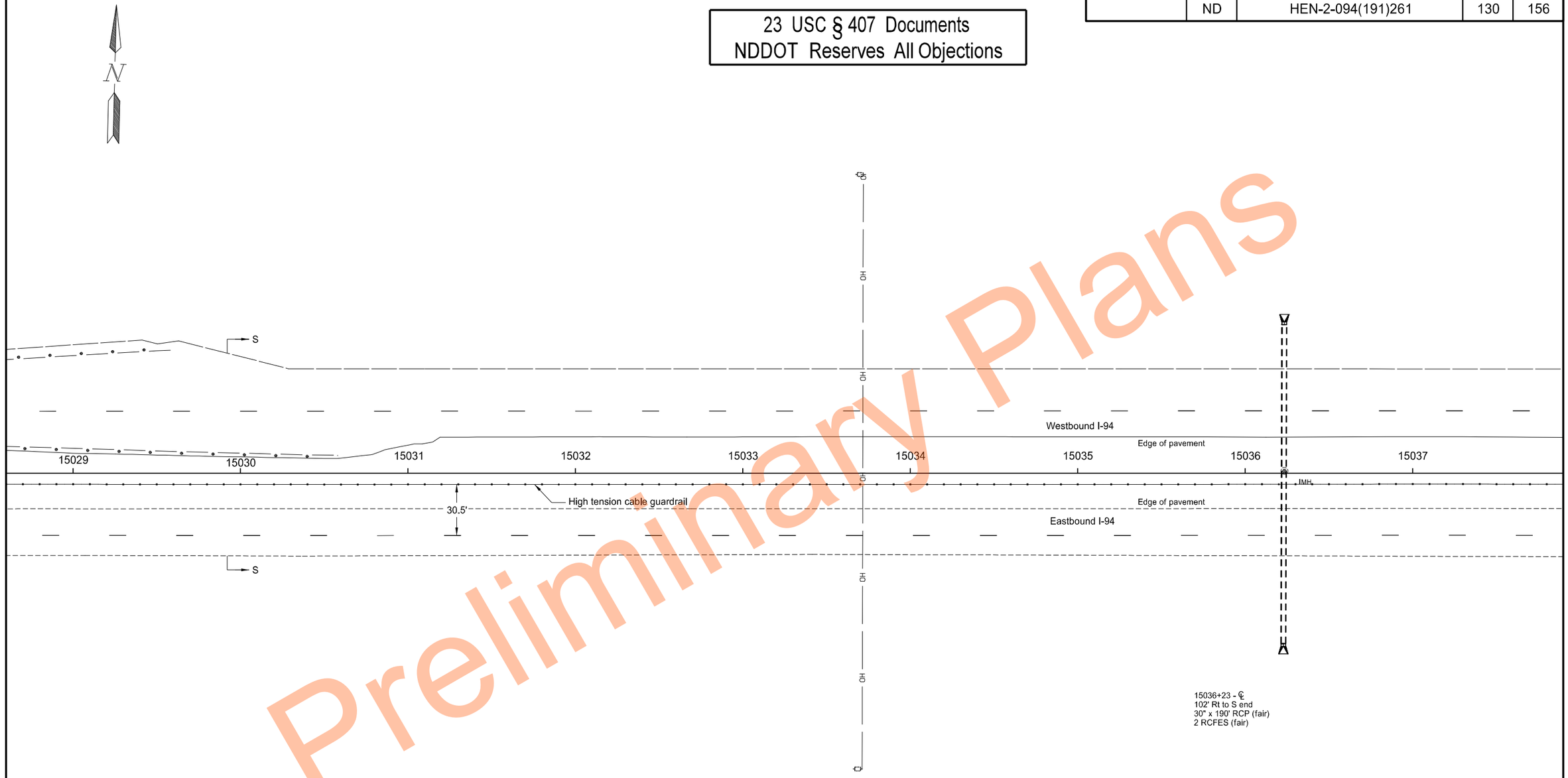
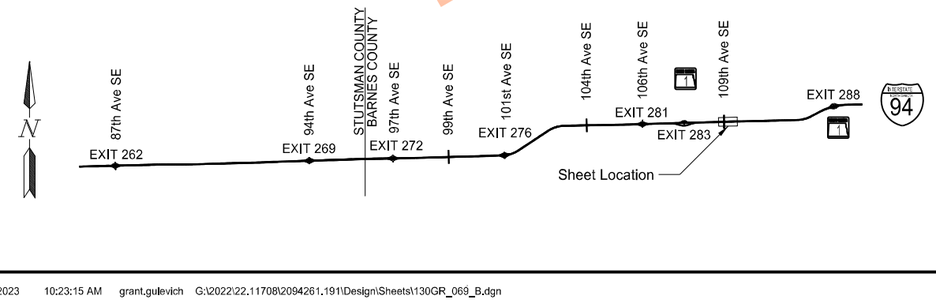
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment S
Sta 15029+92.0 to Sta 15037+25.0

I-94 Median
E of Exit 260 to W of Oakes

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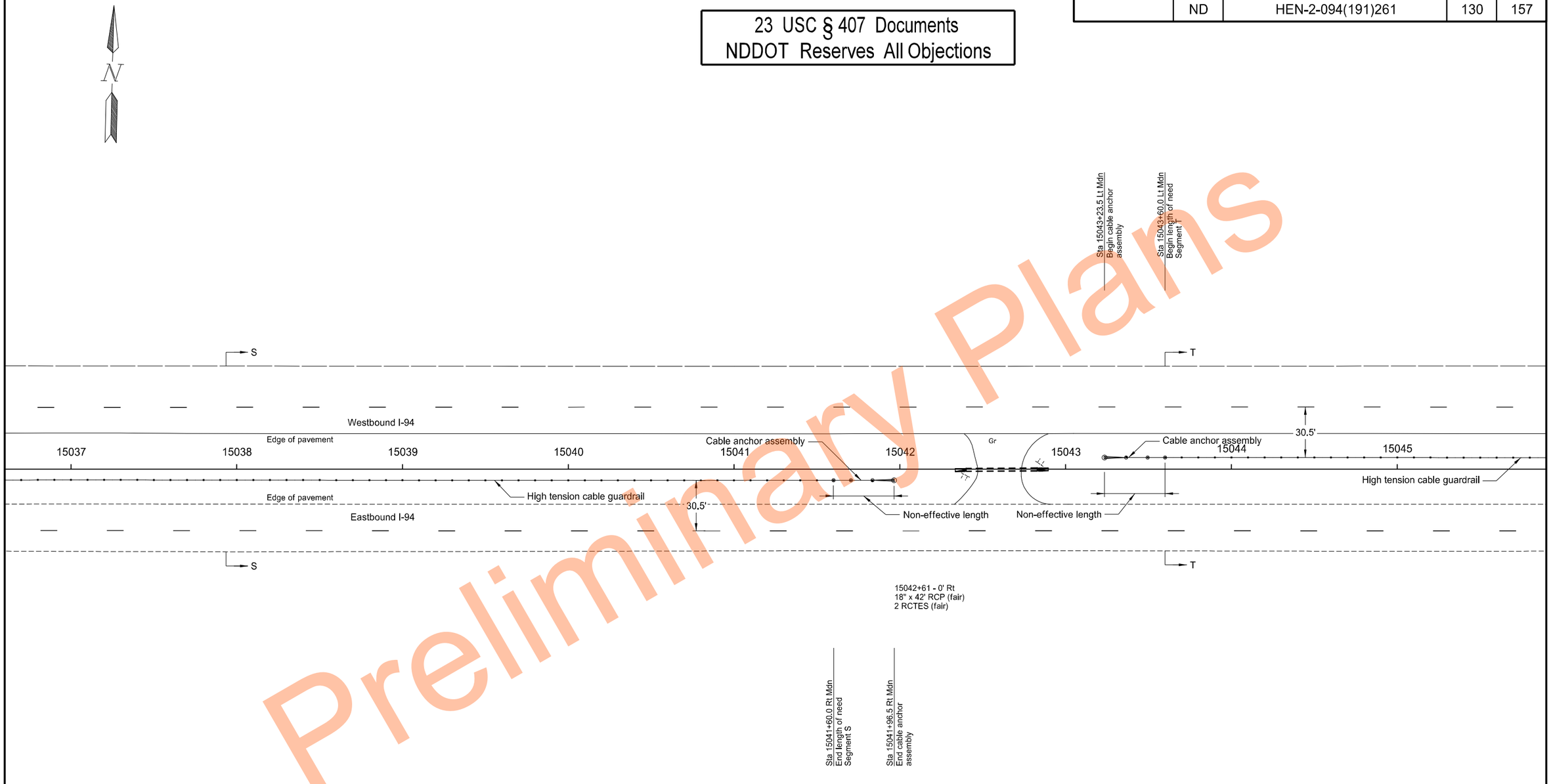
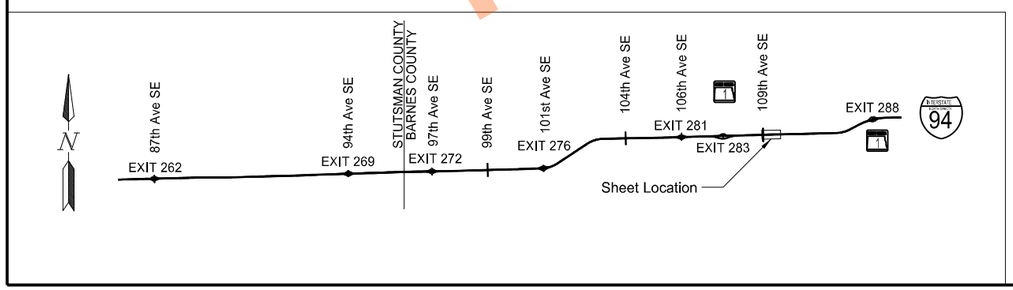
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	157

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment S - Sta 15037+25.0 to Sta 15041+60.0
Segment T - Sta 15043+60.0 to Sta 15045+25.0

I-94 Median
E of Exit 260 to W of Oakes

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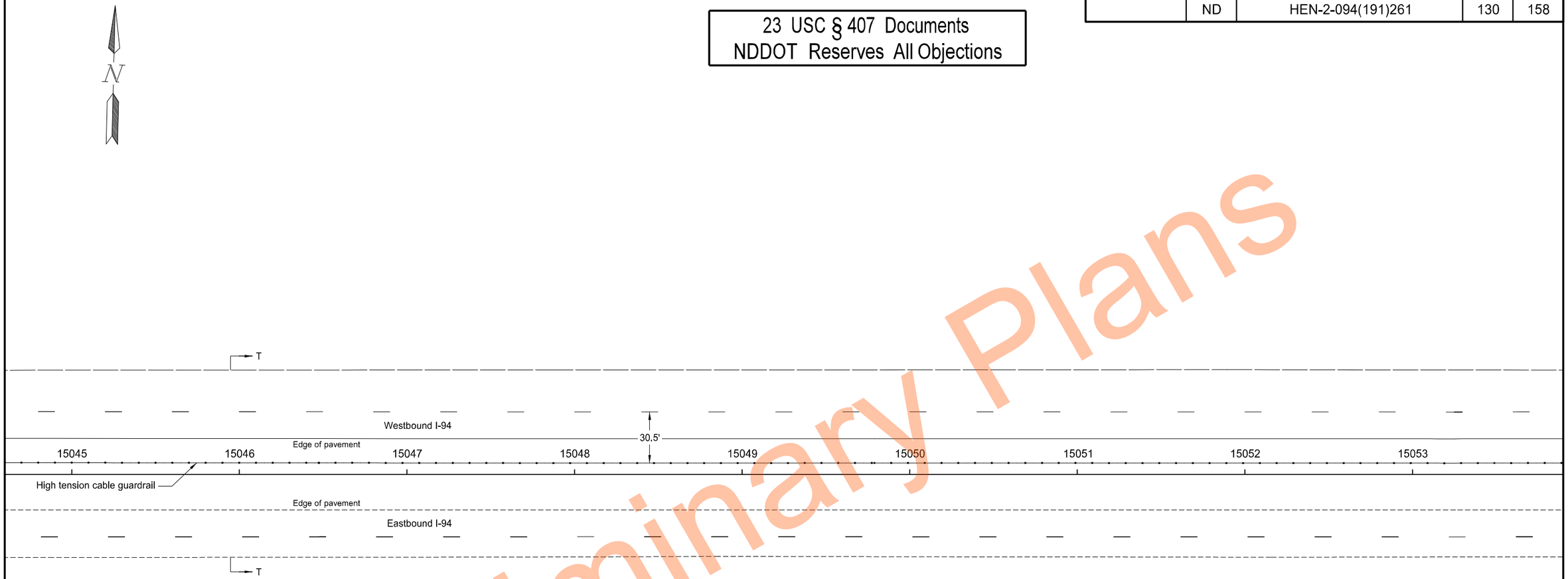
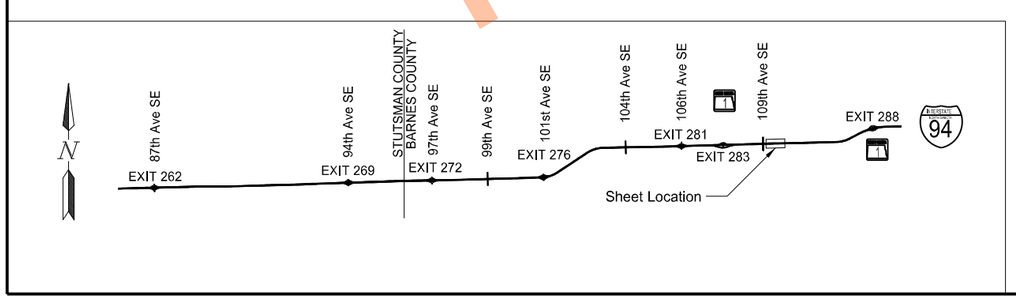
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15045+25.0 to Sta 15053+25.0

I-94 Median
E of Exit 260 to W of Oakes

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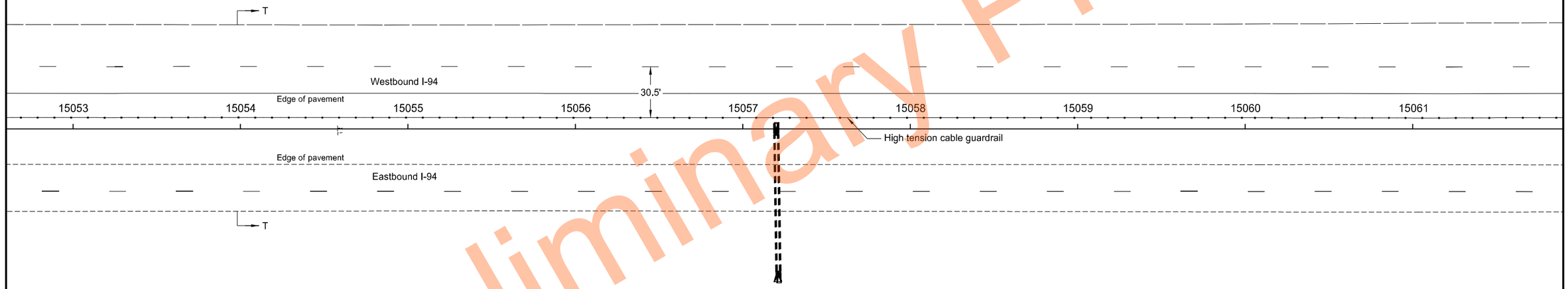
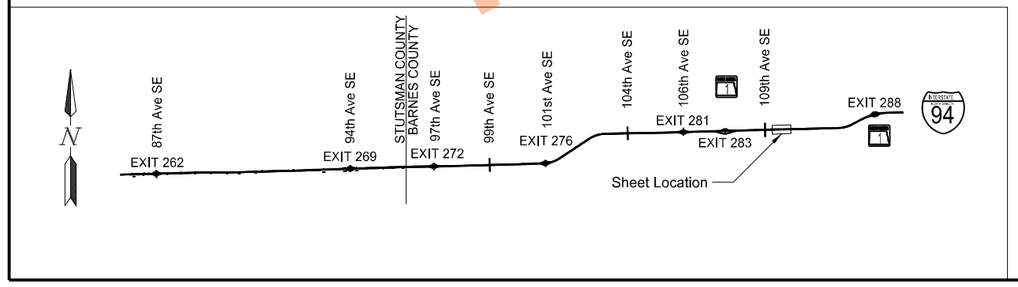
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	159

23 USC § 407 Documents
NDDOT Reserves All Objections

Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment T
Sta 15053+25.0 to Sta 15061+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
DATE 11/17/2023
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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	160

23 USC § 407 Documents
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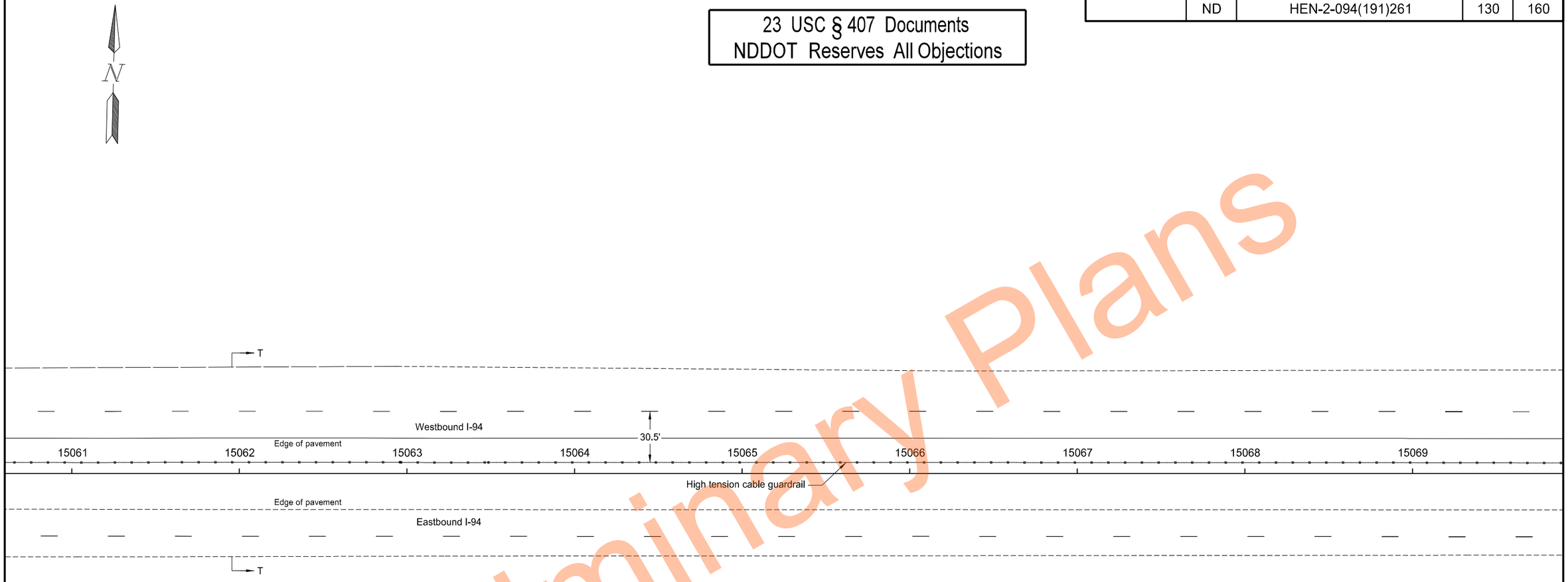

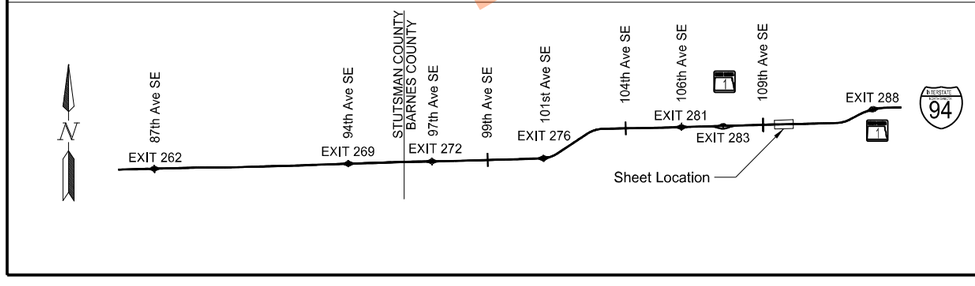

High Tension Median Cable Guardrail Layout

Segment T
Sta 15061+25.0 to Sta 15069+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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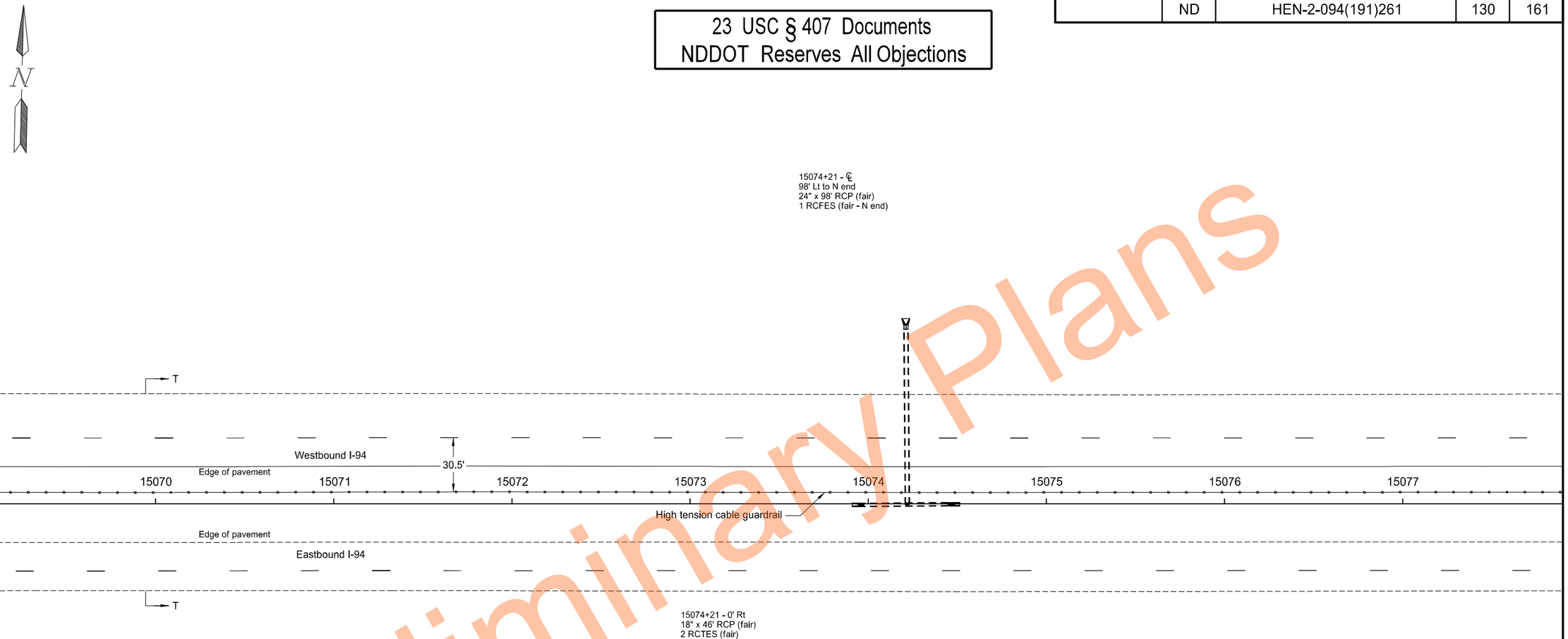
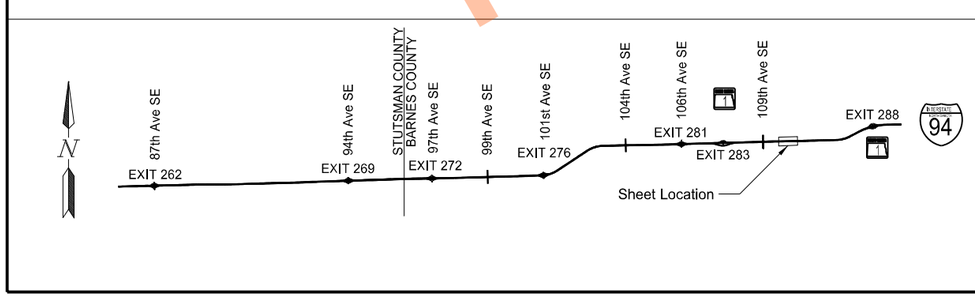
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	161

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15069+25.0 to Sta 15077+25.0

I-94 Median
E of Exit 260 to W of Oakes

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PE-27393
DATE 11/17/2023
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Preliminary Plans

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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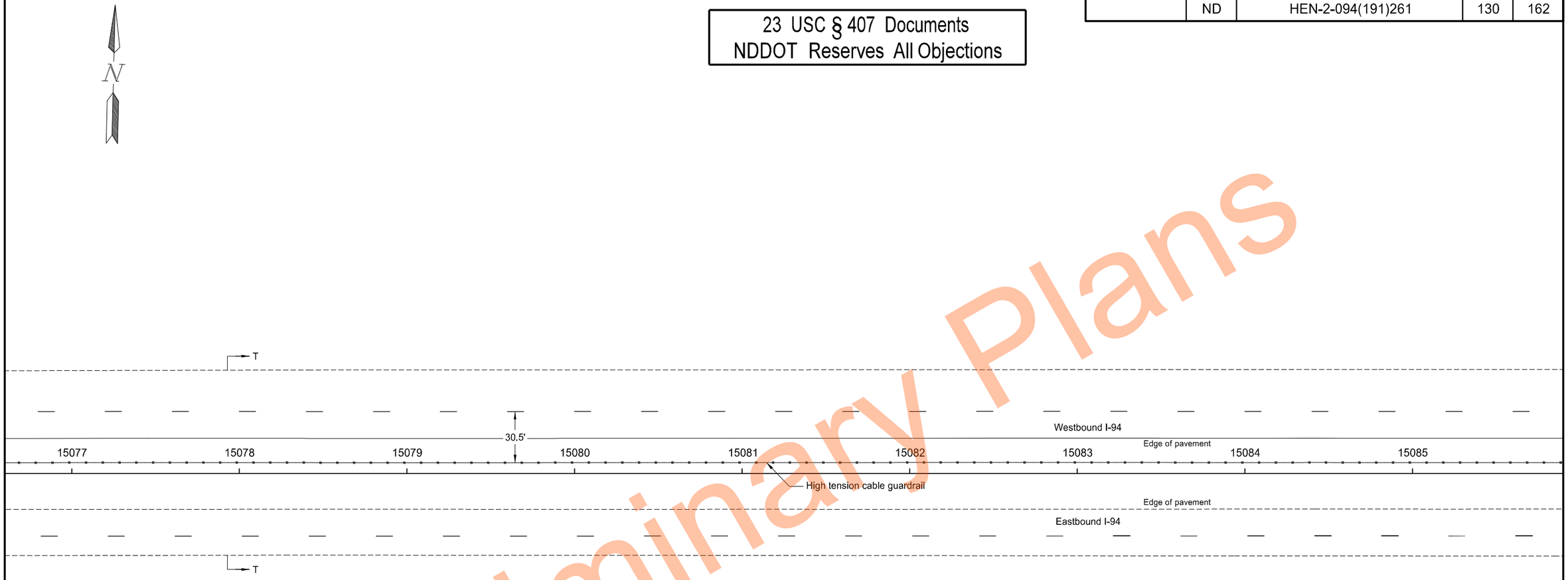
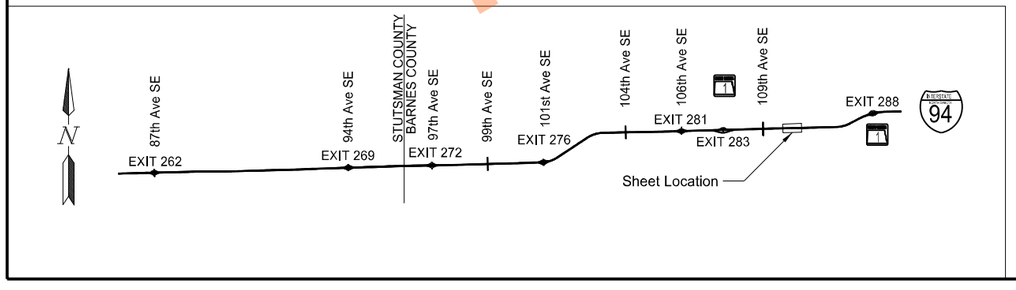
23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment T
Sta 15077+25.0 to Sta 15085+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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23 USC § 407 Documents
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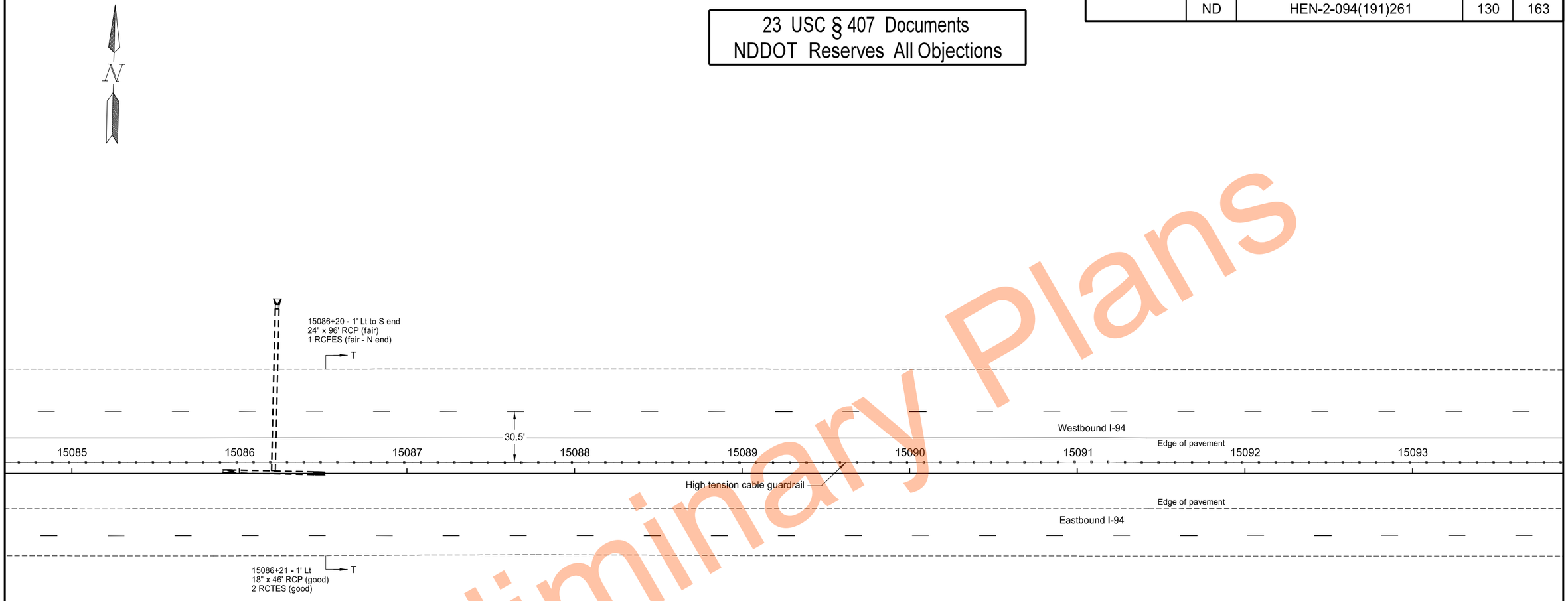

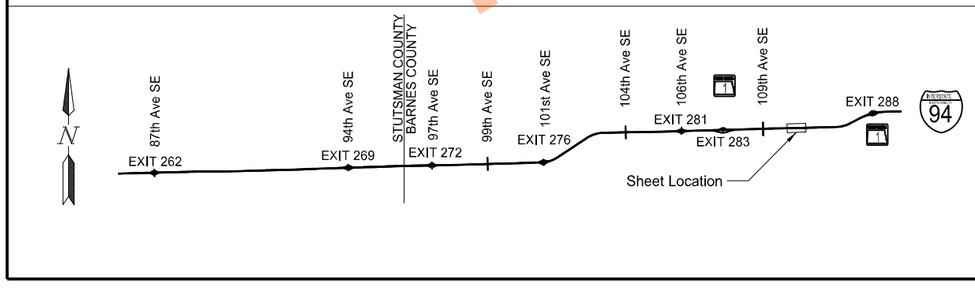

High Tension Median Cable Guardrail Layout

Segment T
Sta 15085+25.0 to Sta 15093+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	164

23 USC § 407 Documents
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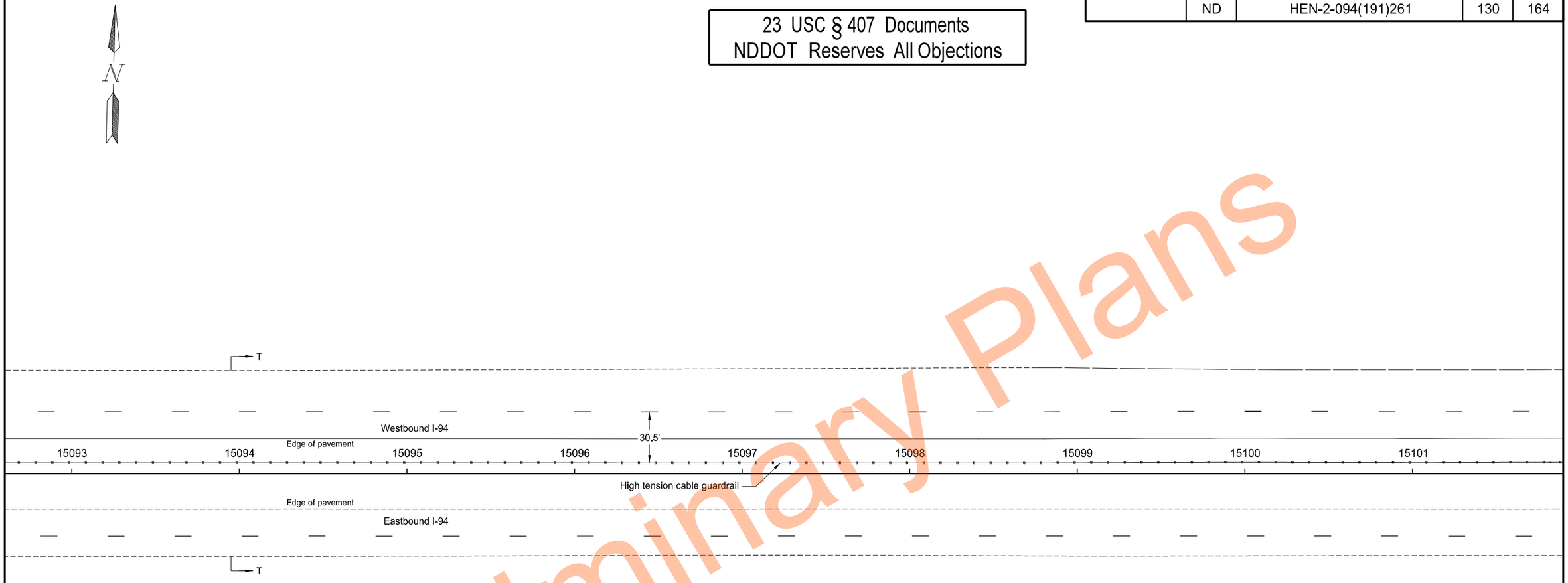

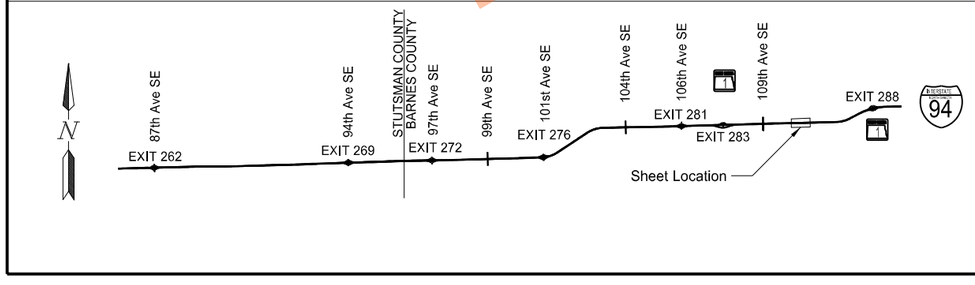

High Tension Median Cable Guardrail Layout

Segment T
Sta 15093+25.0 to Sta 15101+25.0

I-94 Median
E of Exit 260 to W of Oakes

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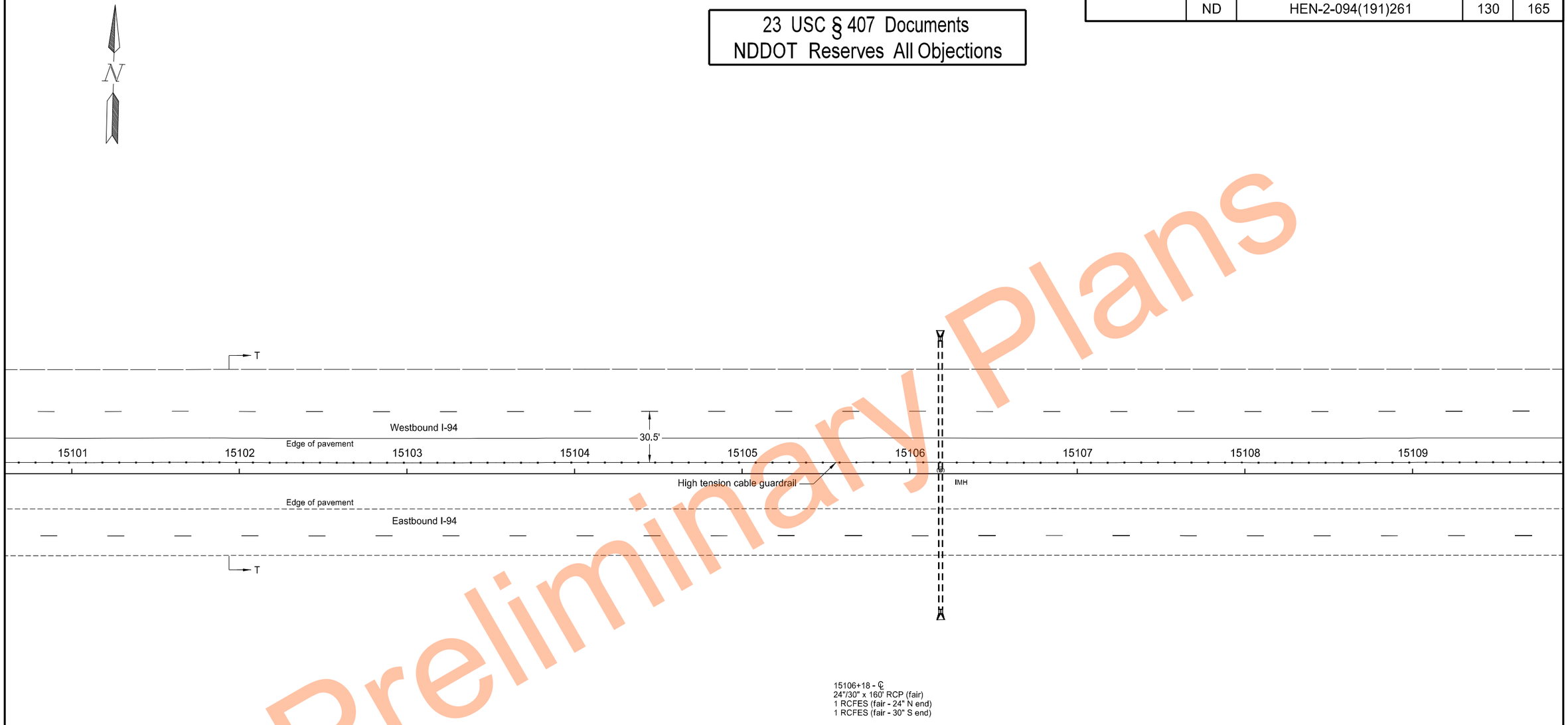
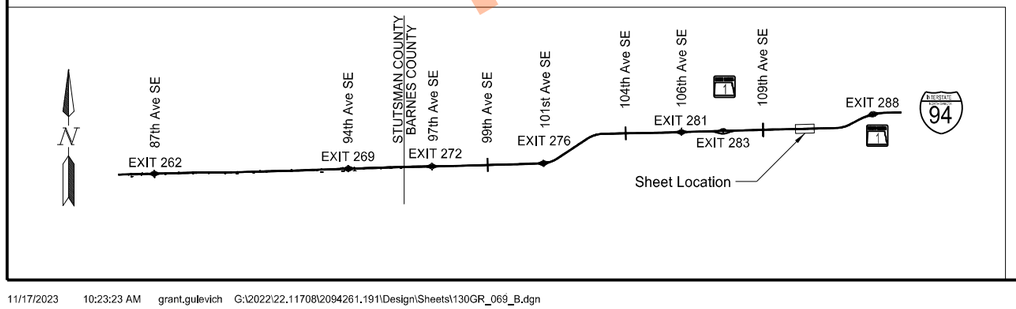
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	165

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15101+25.0 to Sta 15109+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
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DATE 11/17/2023
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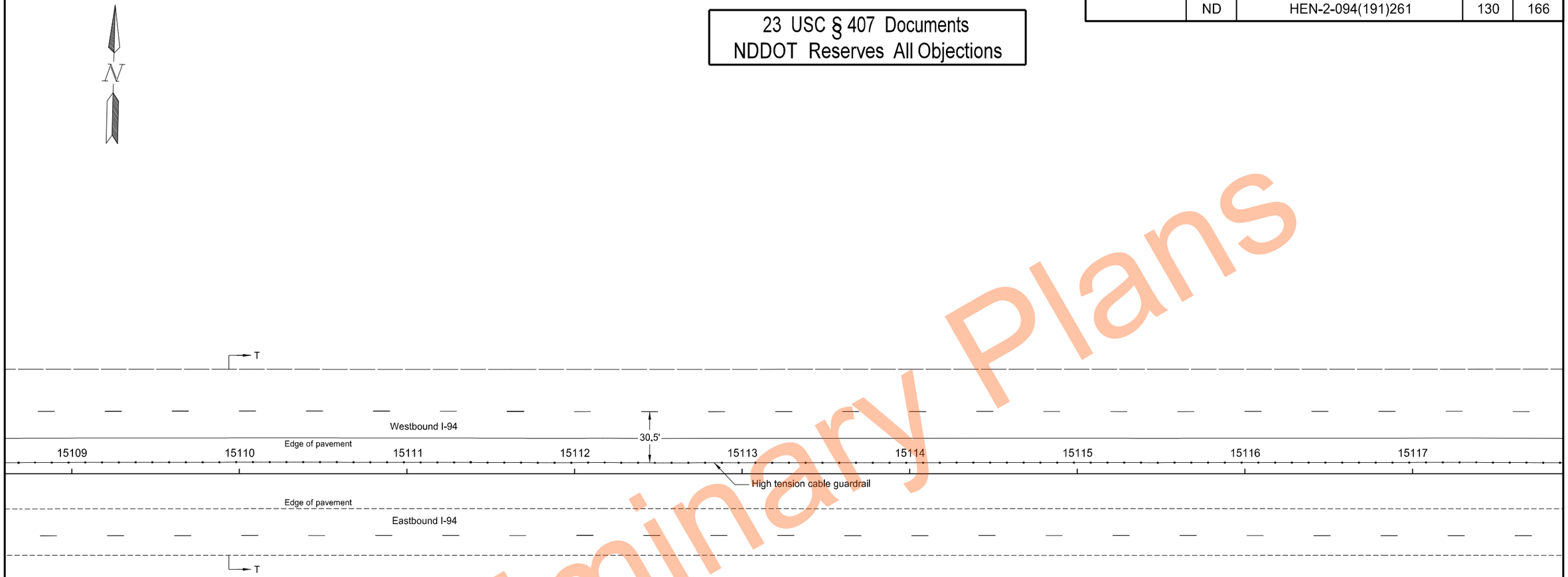
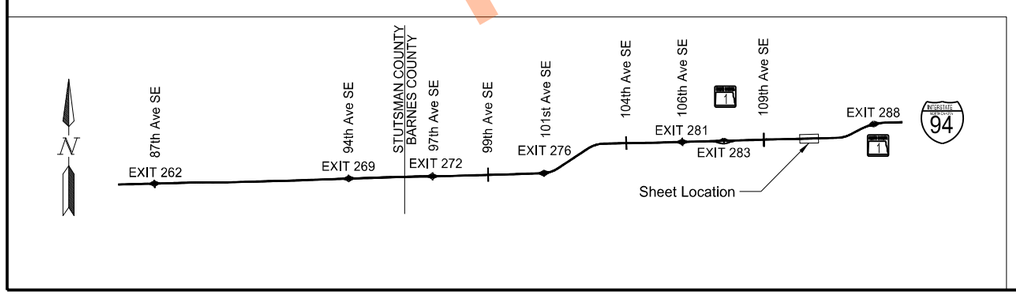
Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	166

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Stat 15109+25.0 to Sta 15117+25.0

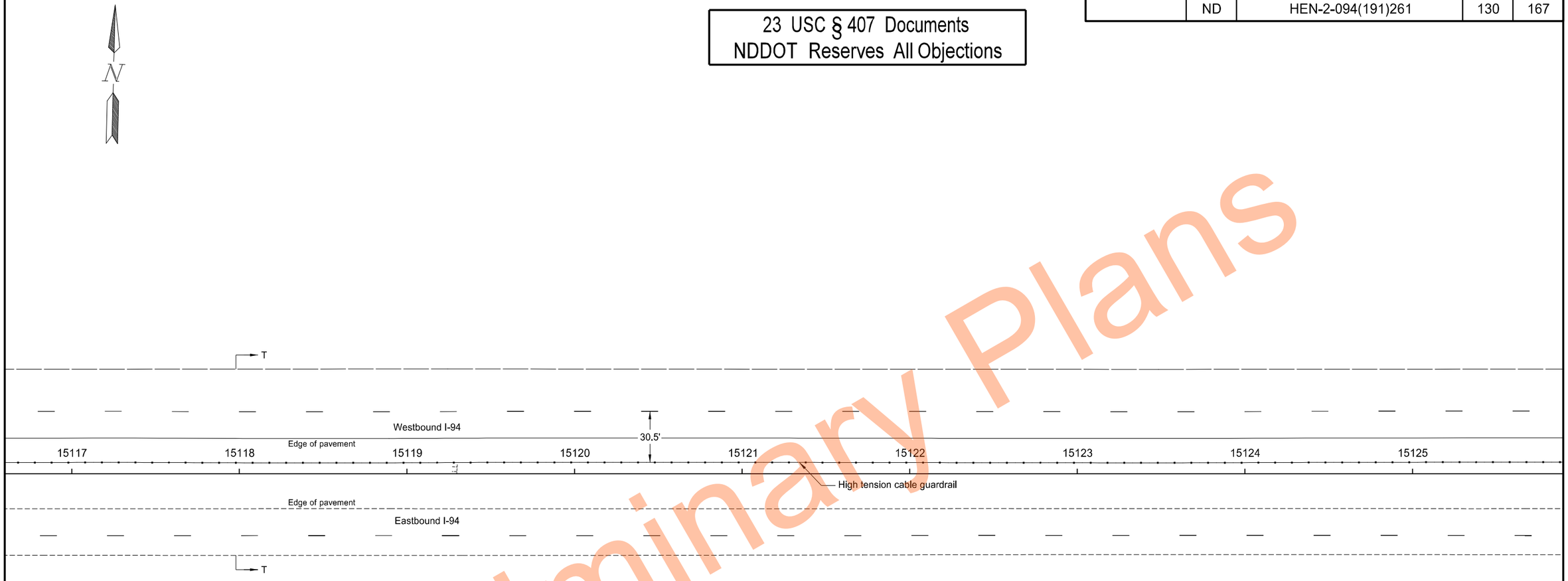
I-94 Median
E of Exit 260 to W of Oakes

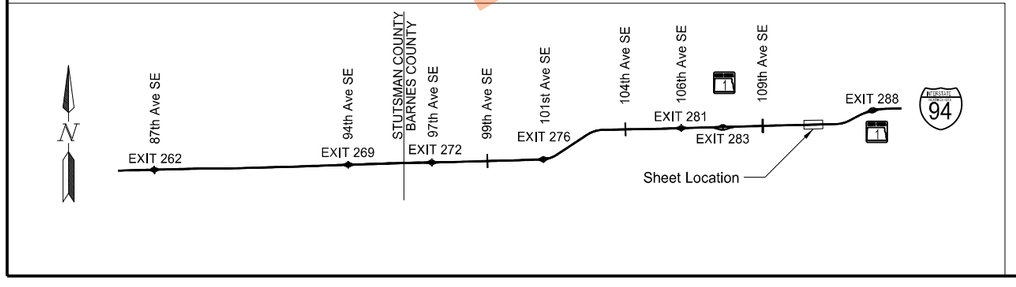
REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	167

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15117+25.0 to Sta 15125+25.0

I-94 Median
E of Exit 260 to W of Oakes

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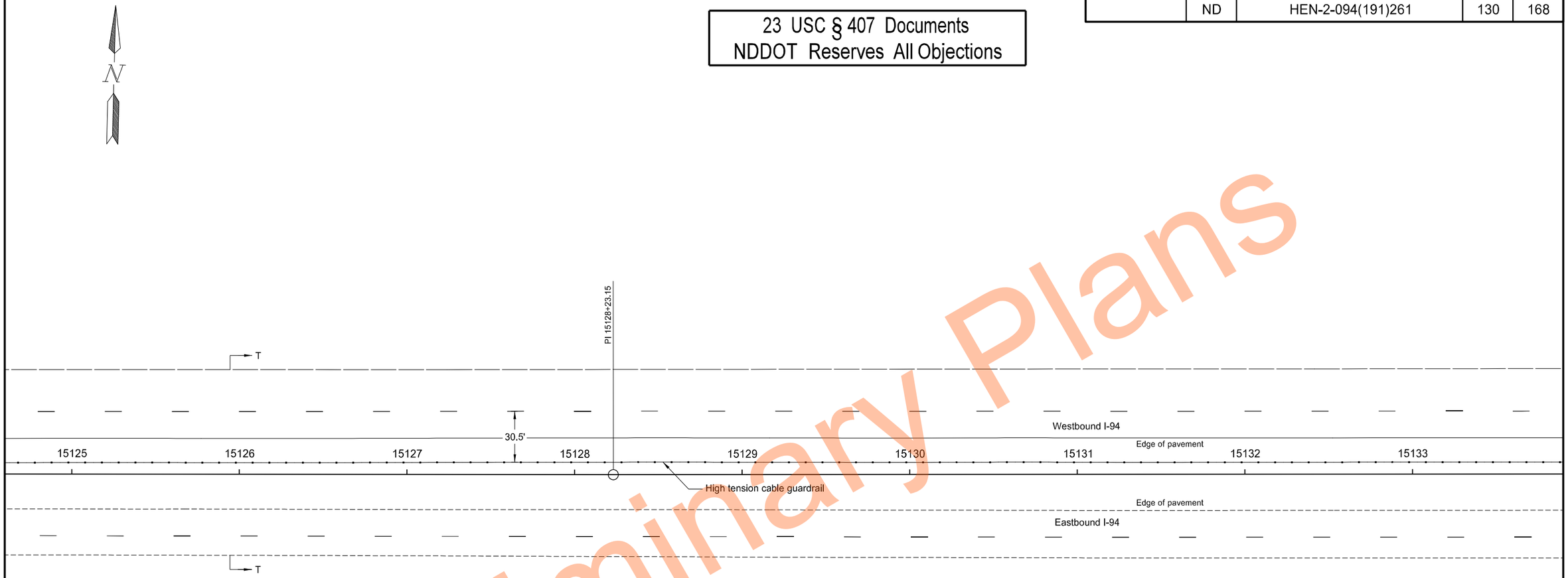
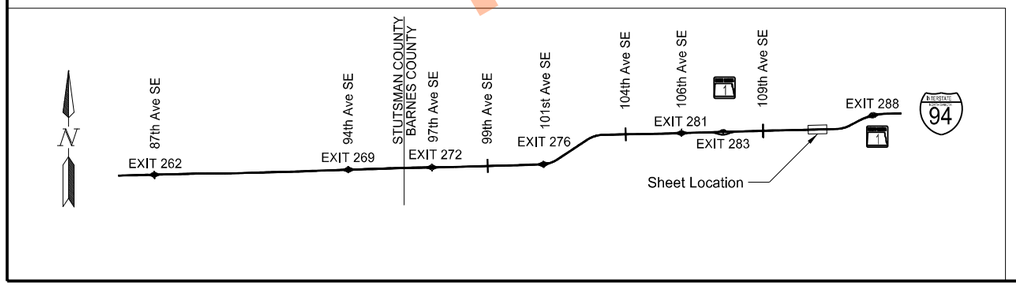
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	168

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15125+25.0 to Sta 15133+25.0

I-94 Median
E of Exit 260 to W of Oakes

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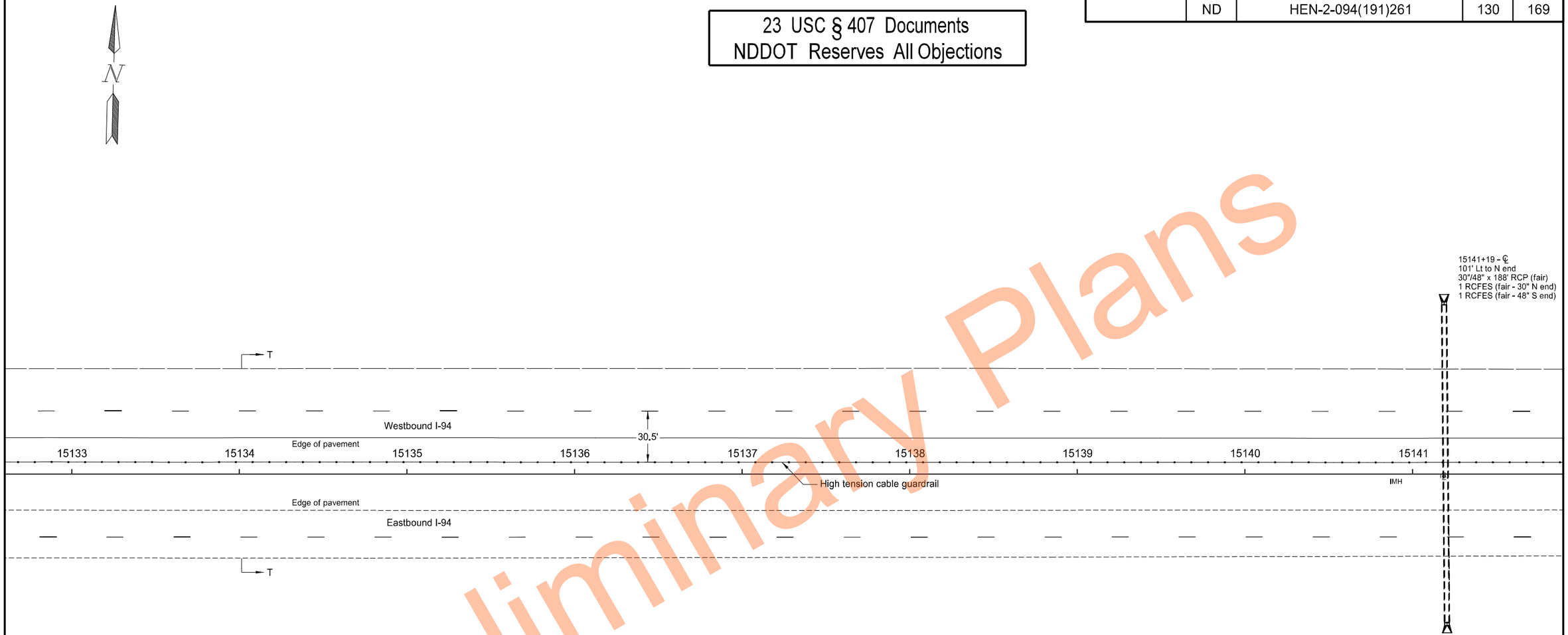
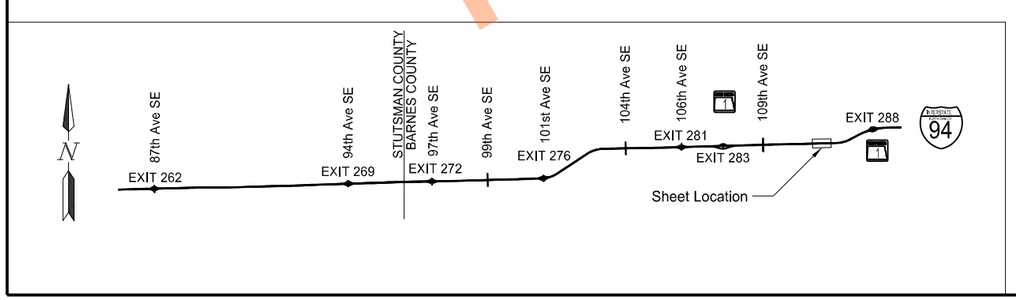
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	169

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15133+25.0 to Sta 15141+25.0

I-94 Median
E of Exit 260 to W of Oakes

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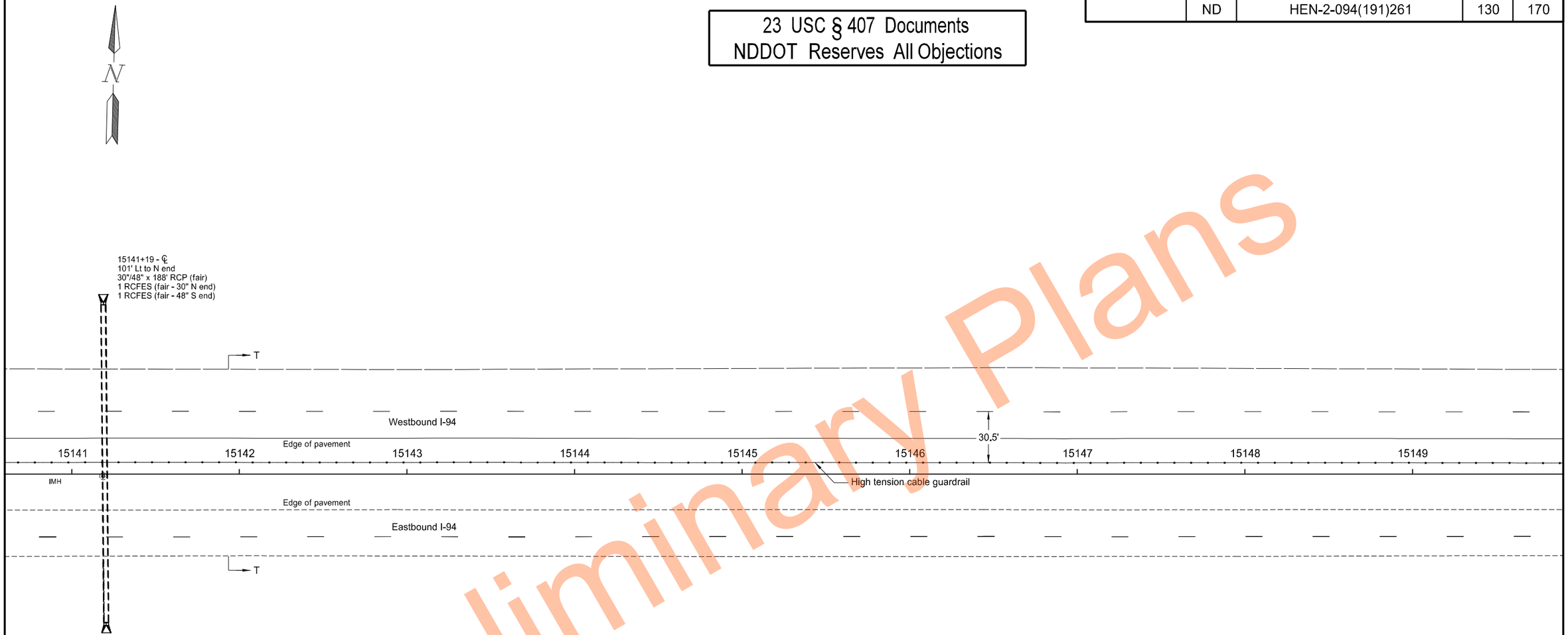
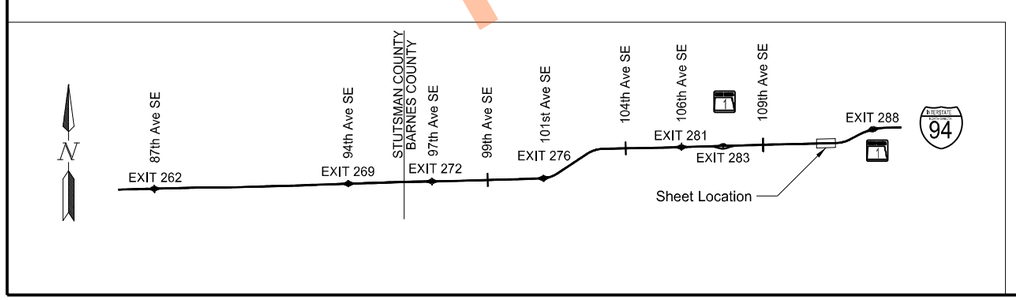
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	170

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15141+25.0 to Sta 15149+25.0

I-94 Median
E of Exit 260 to W of Oakes

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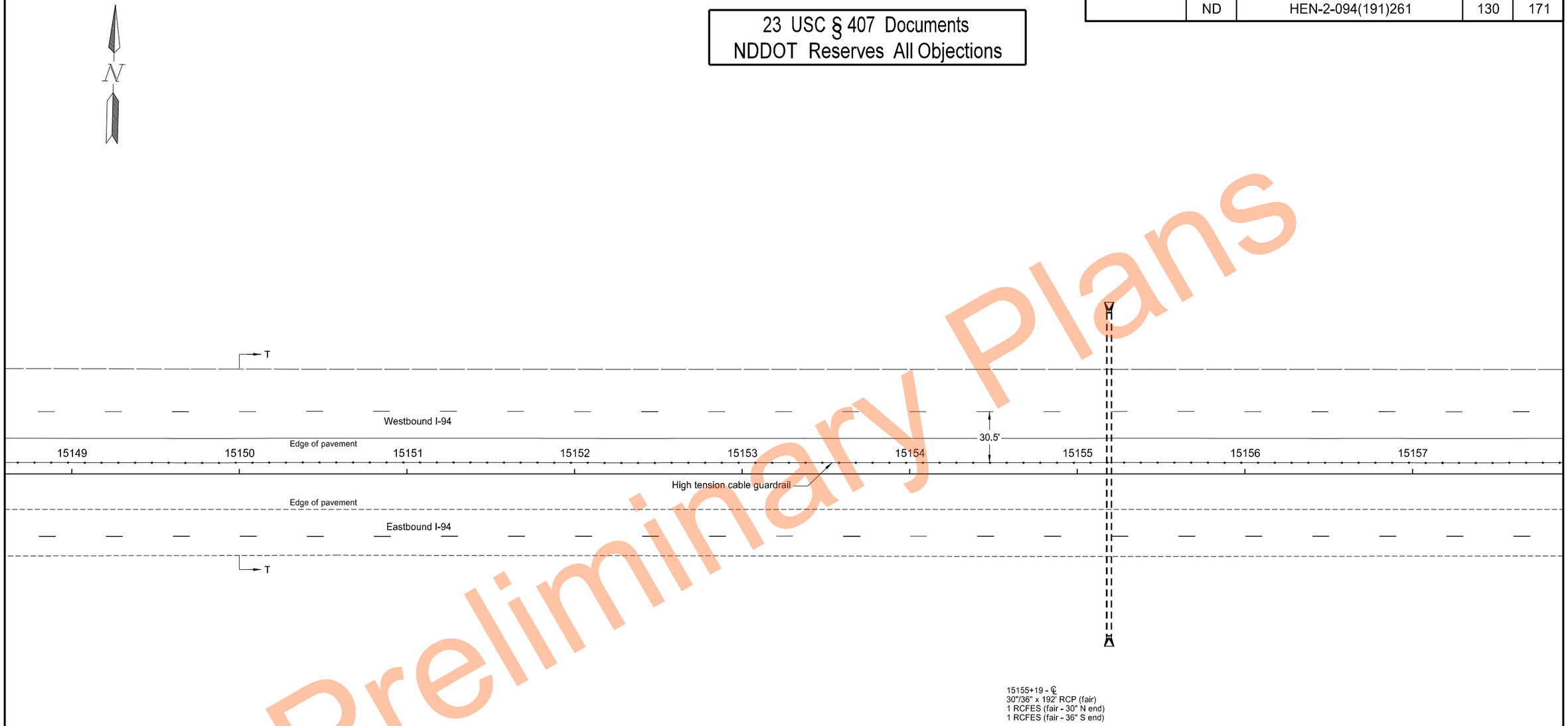
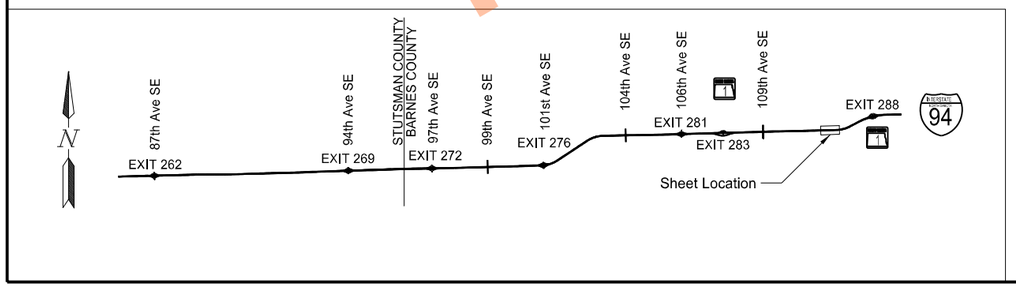
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	171

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T
Sta 15149+25.0 to Sta 15157+25.0

I-94 Median
E of Exit 260 to W of Oakes

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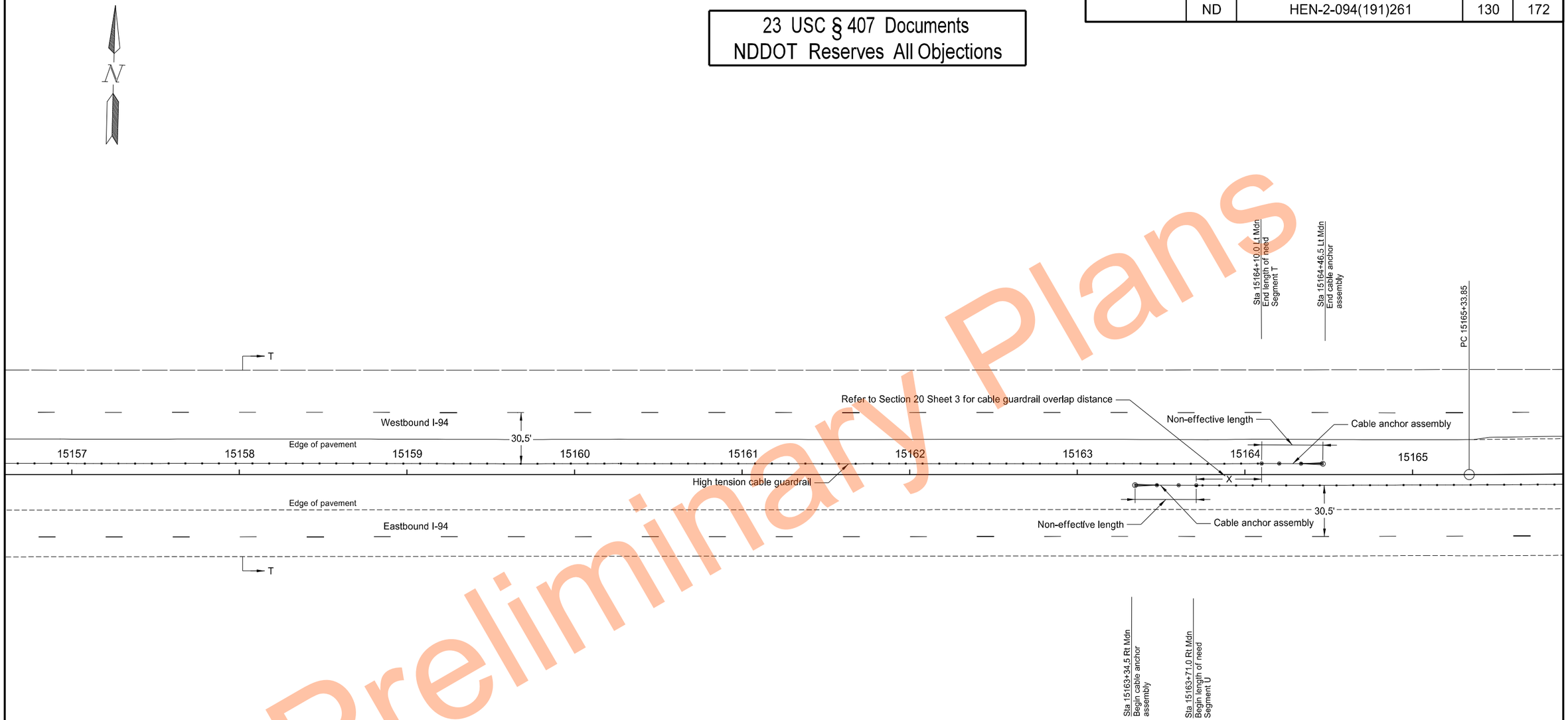
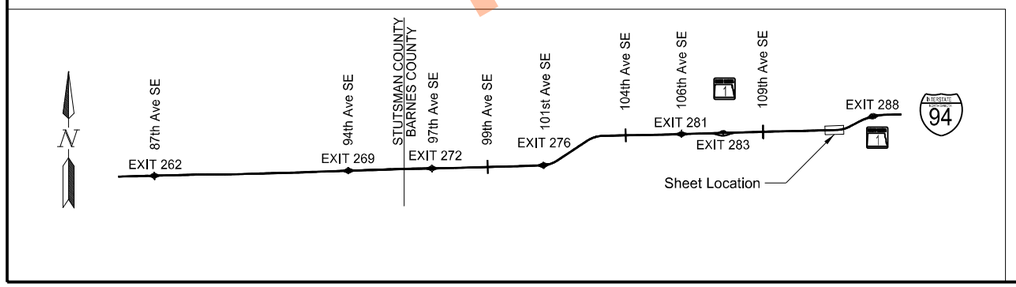
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	172

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment T - Sta 15157+25.0 to Sta 15164+10.0
Segment U - Sta 15163+71.0 to Sta 15165+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	173

23 USC § 407 Documents
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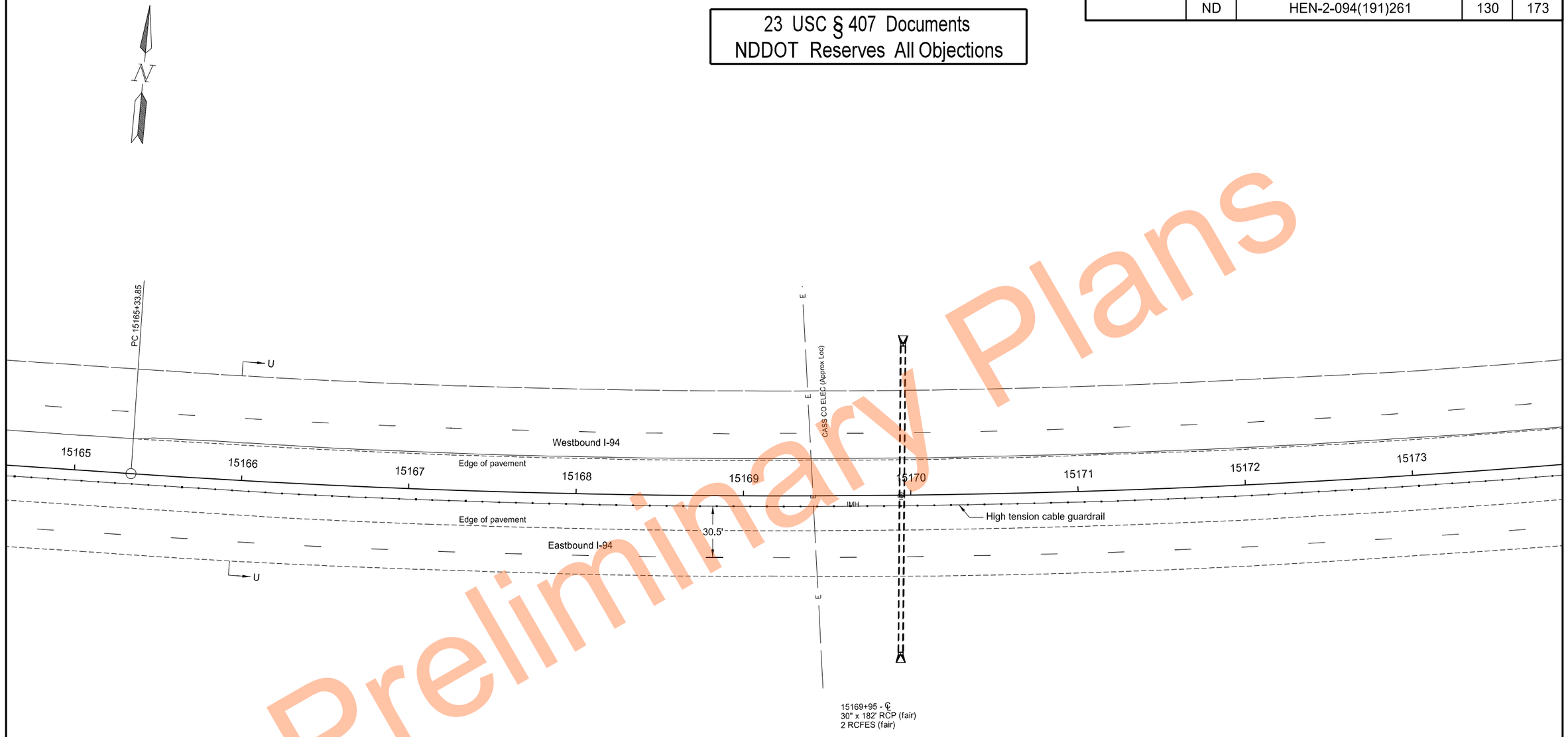

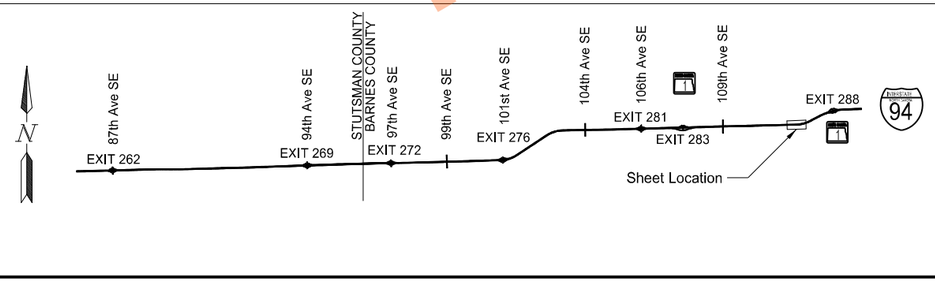

High Tension Median Cable Guardrail Layout

Segment U
Sta 15165+25.0 to Sta 15173+25.0

I-94 Median
E of Exit 260 to W of Oakes

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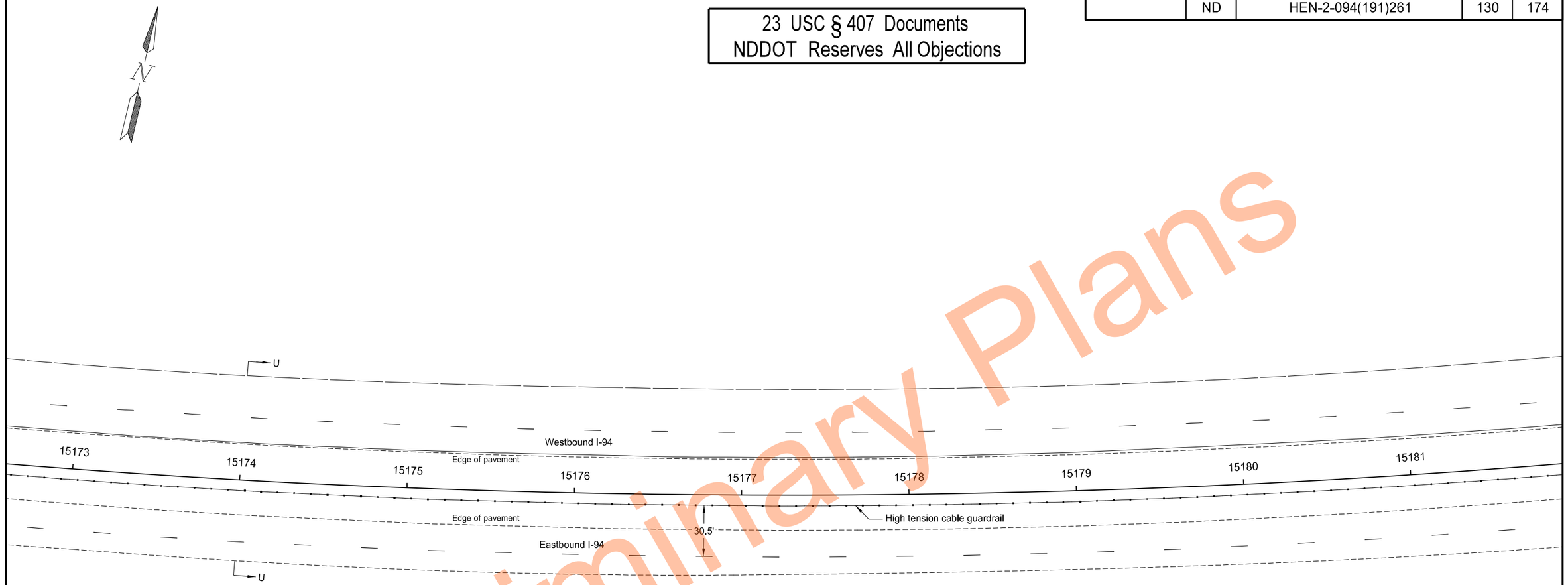
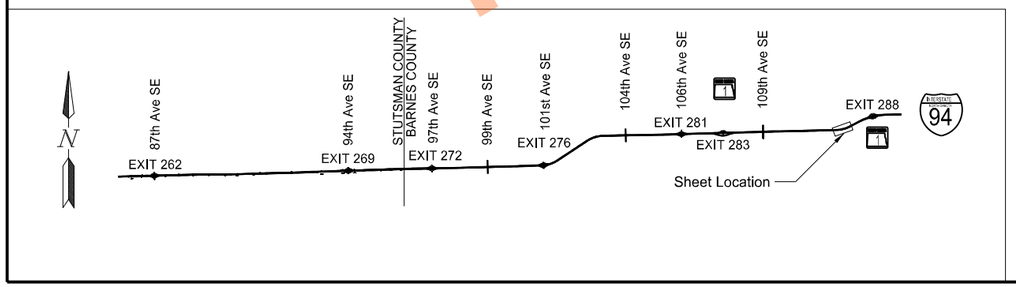
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	174

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment U
Sta 15173+25.0 to Sta 15181+25.0

I-94 Median
E of Exit 260 to W of Oakes

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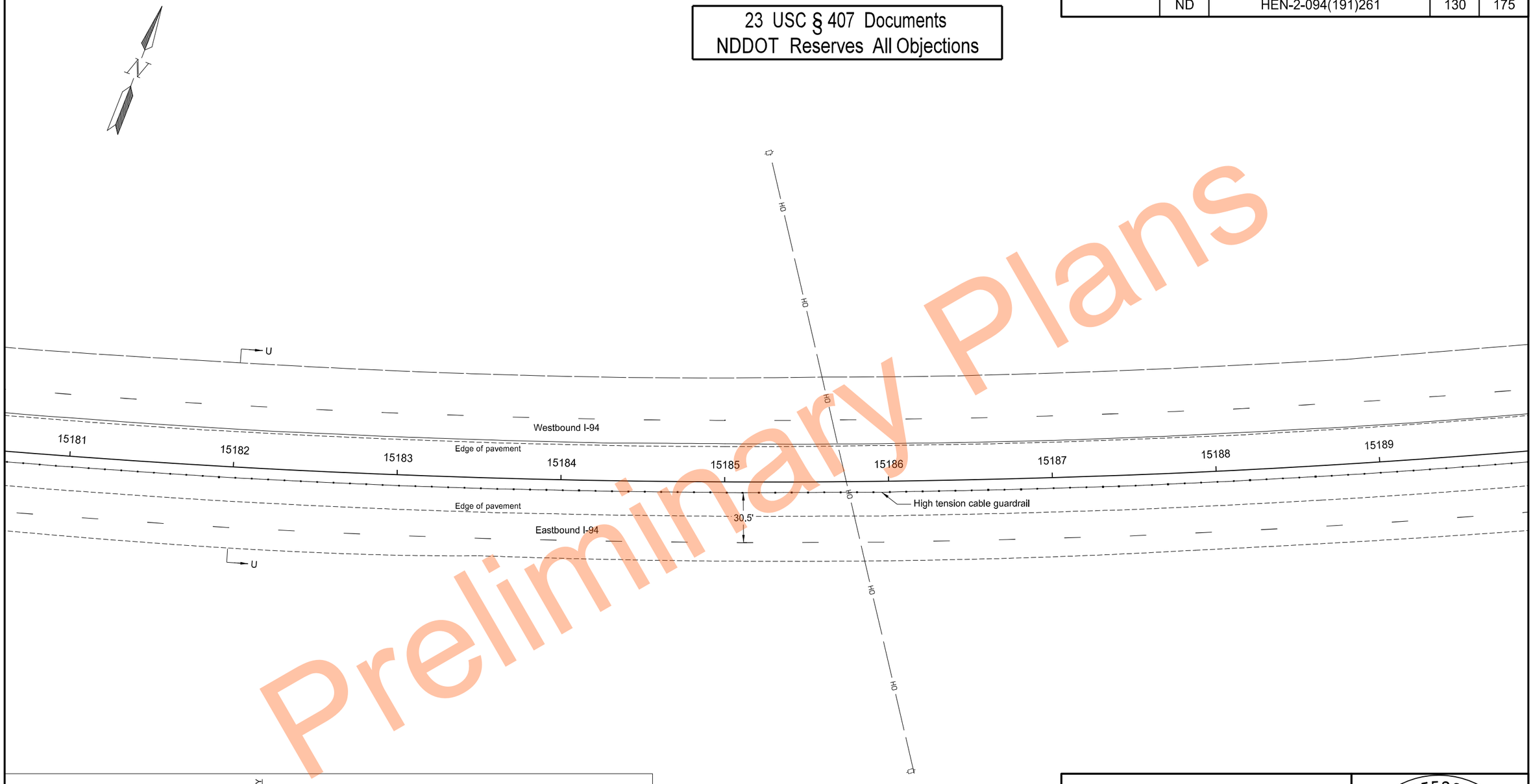
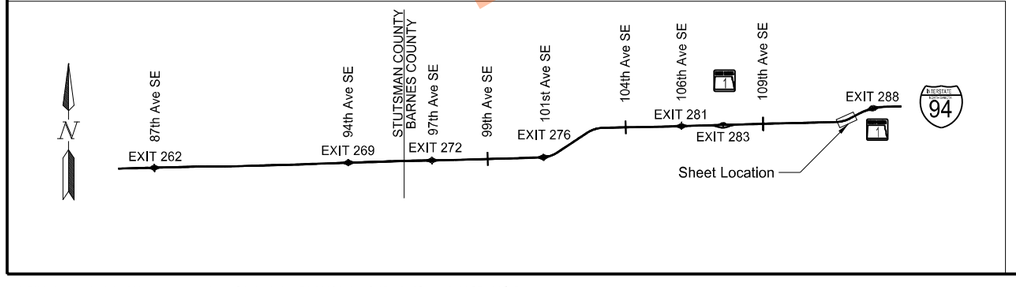
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	175

23 USC § 407 Documents
NDDOT Reserves All Objections



Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment U
Sta 15181+25.0 to Sta 15189+25.0

I-94 Median
E of Exit 260 to W of Oakes

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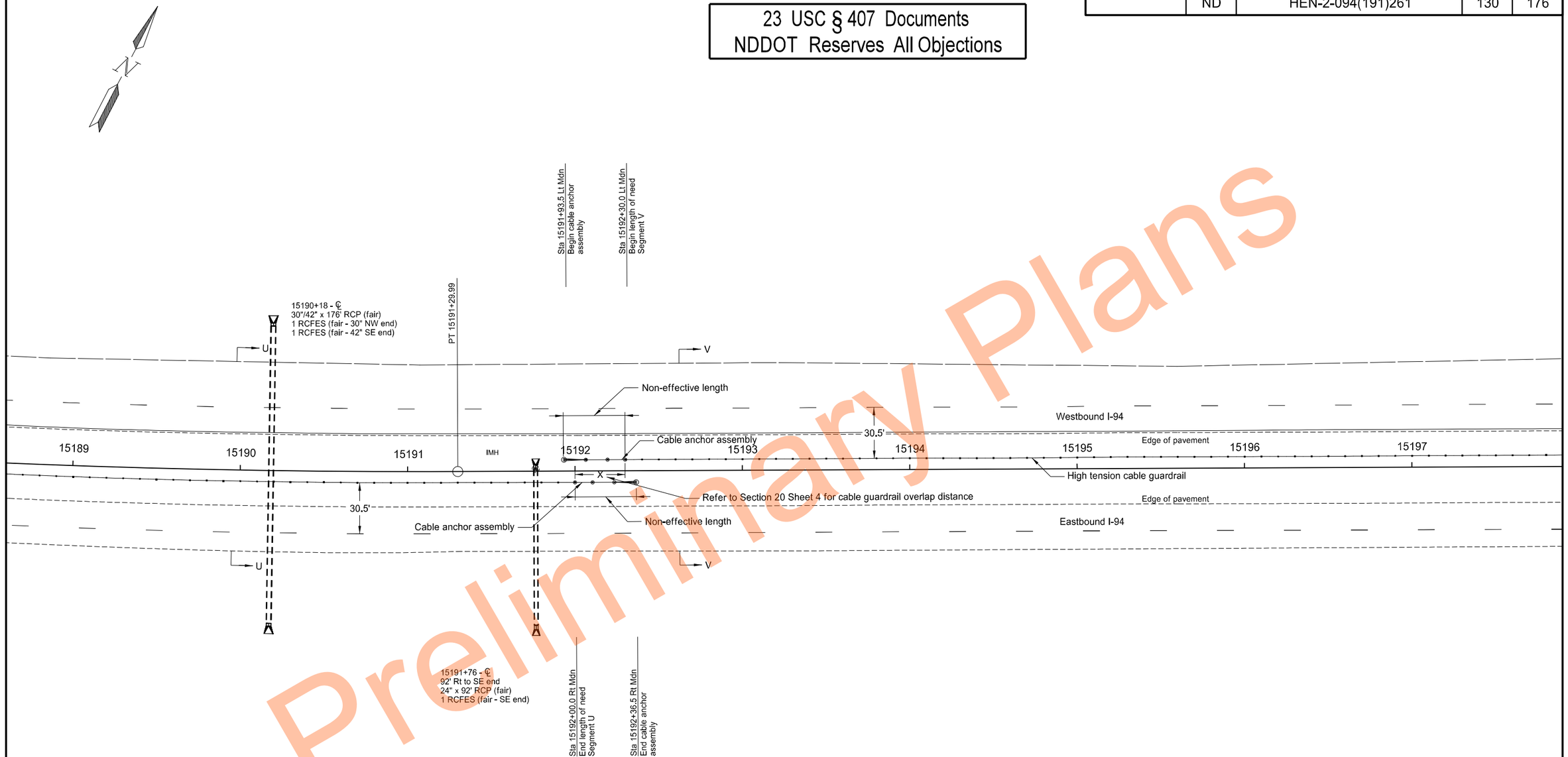
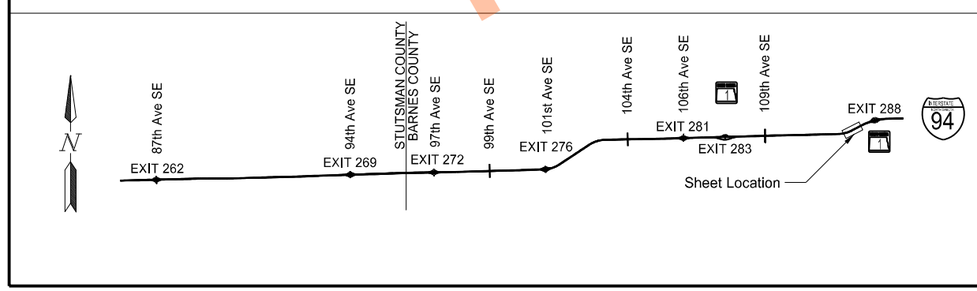
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	176

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment U - Sta 15189+25.0 to Sta 15192+00.0
Segment V - Sta 15192+30.0 to Sta 15197+25.0

I-94 Median
E of Exit 260 to W of Oakes

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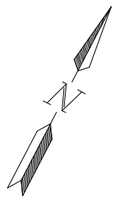
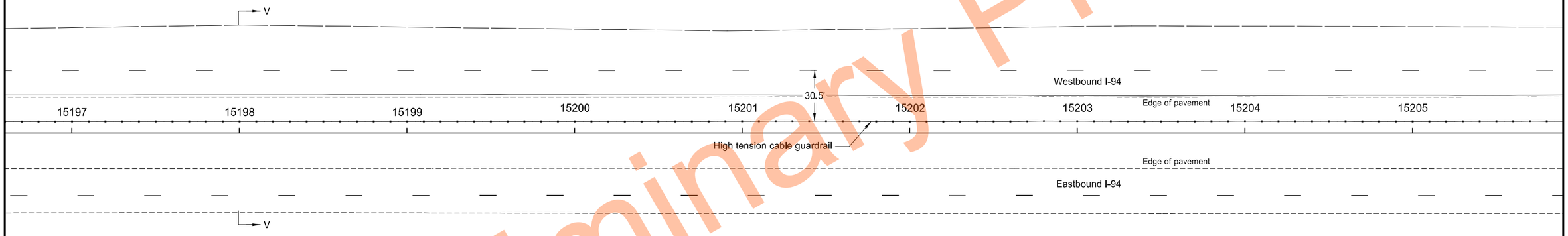
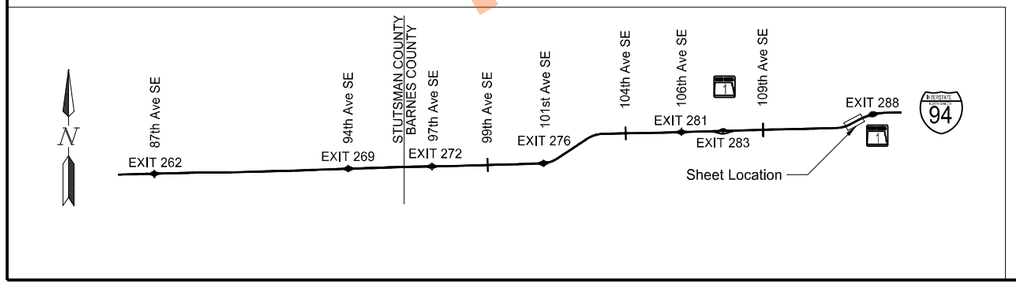
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	177

23 USC § 407 Documents
NDDOT Reserves All Objections







High Tension Median Cable Guardrail Layout

Segment V
Sta 15197+25.0 to Sta 15205+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	178

23 USC § 407 Documents
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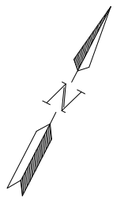

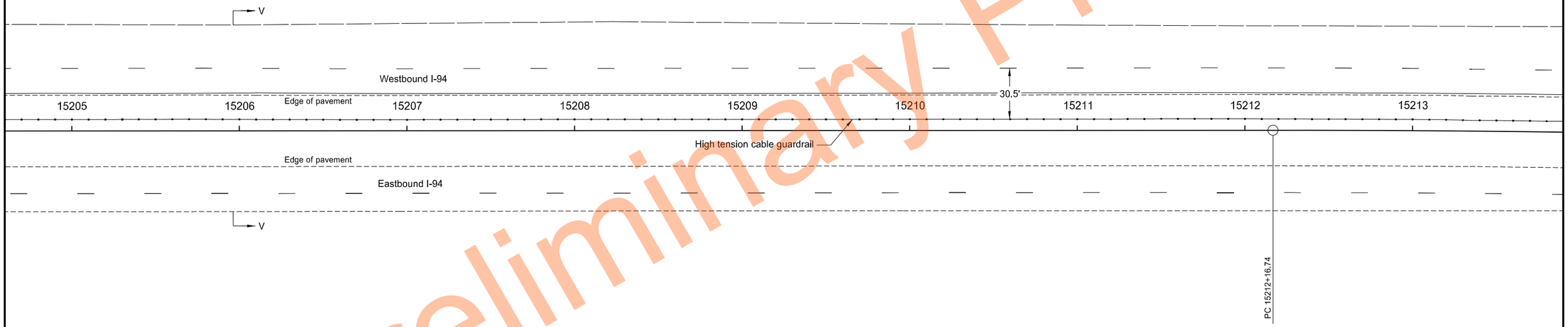

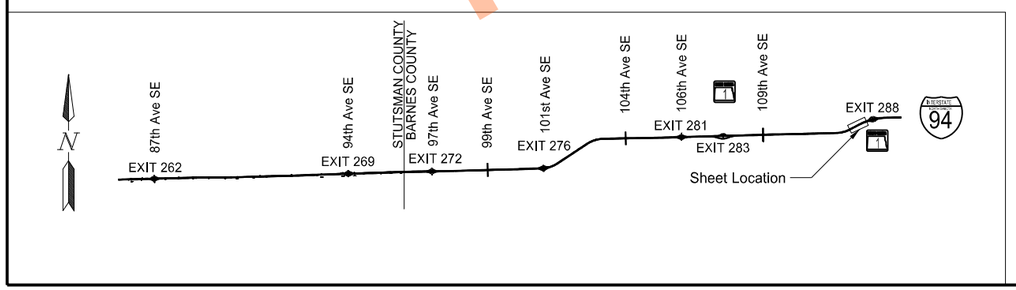

High Tension Median Cable Guardrail Layout

Segment V
Sta 15205+25.0 to Sta 15213+25.0

I-94 Median
E of Exit 260 to W of Oakes

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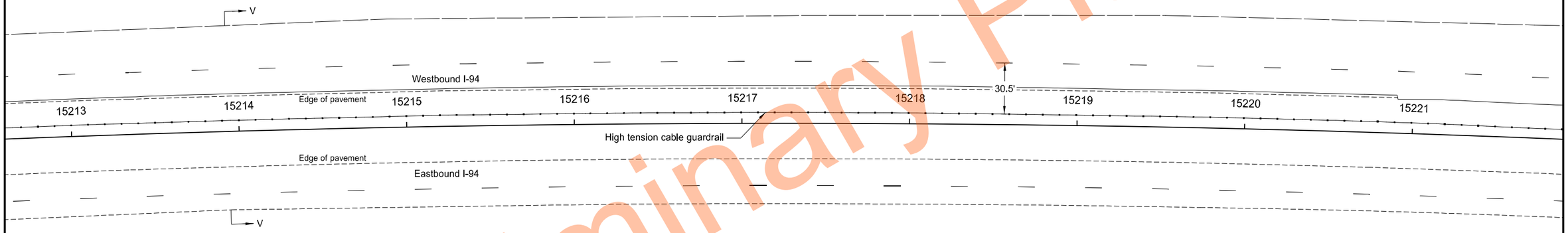
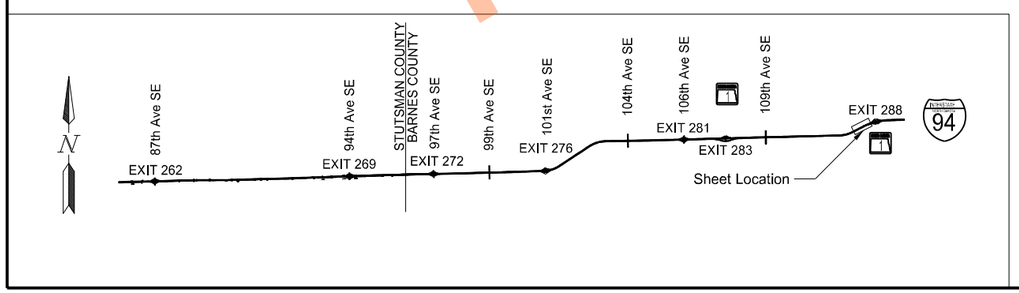
	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	179

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment V
Sta 15213+25.0 to Sta 15221+25.0

I-94 Median
E of Exit 260 to W of Oakes

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Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	180

23 USC § 407 Documents
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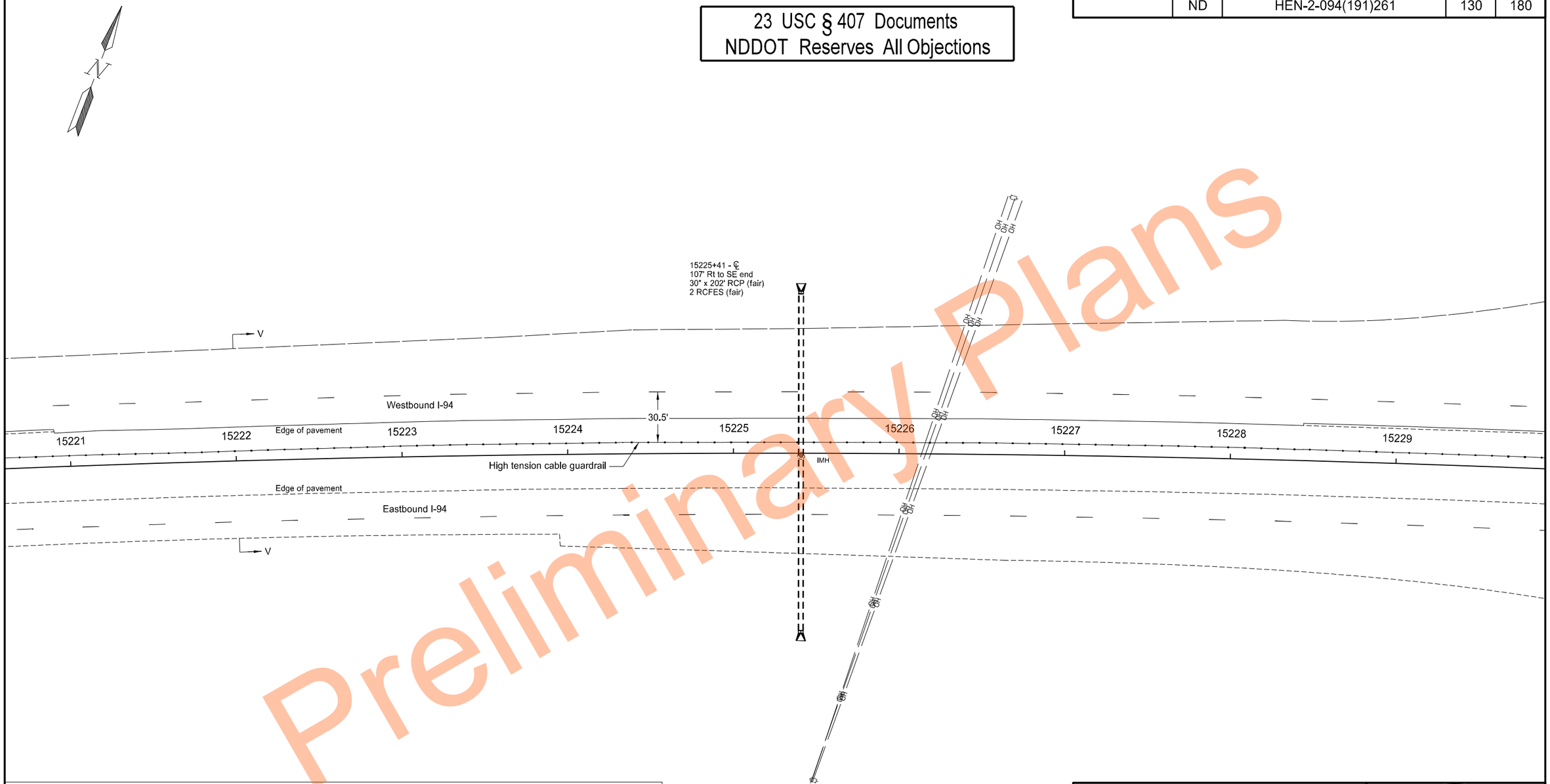

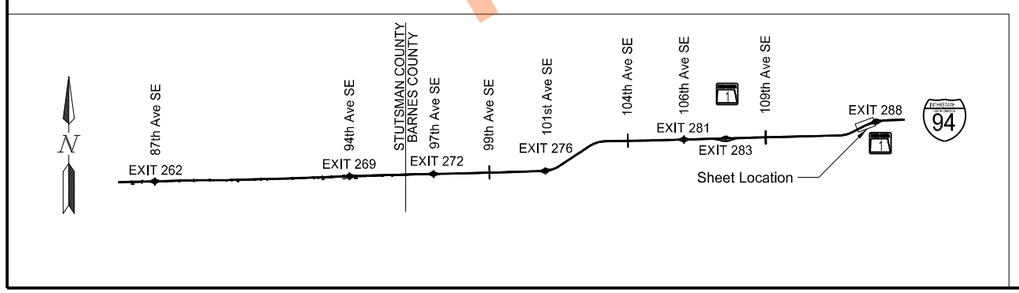

High Tension Median Cable Guardrail Layout

Segment V
Sta 15221+25.0 to Sta 15229+25.0

I-94 Median
E of Exit 260 to W of Oakes

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STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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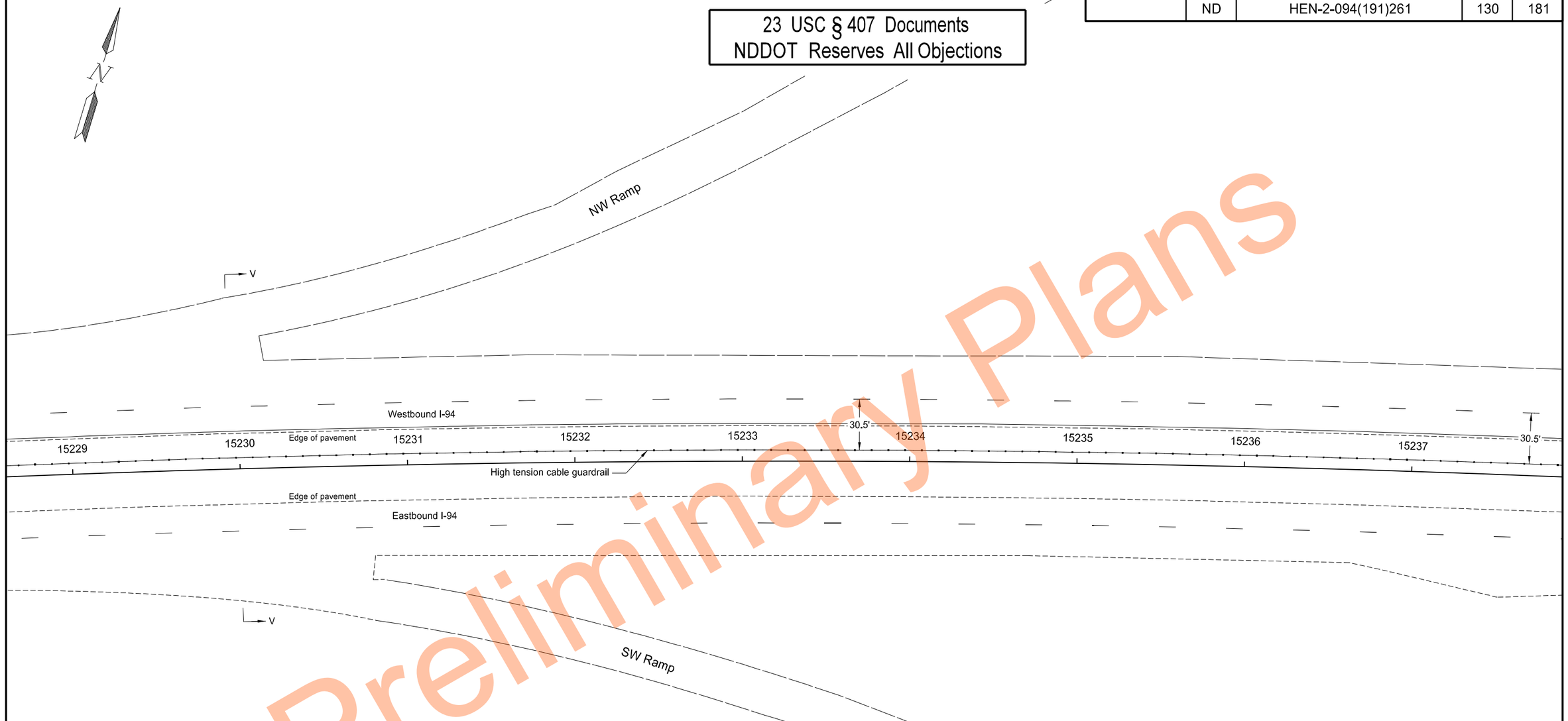
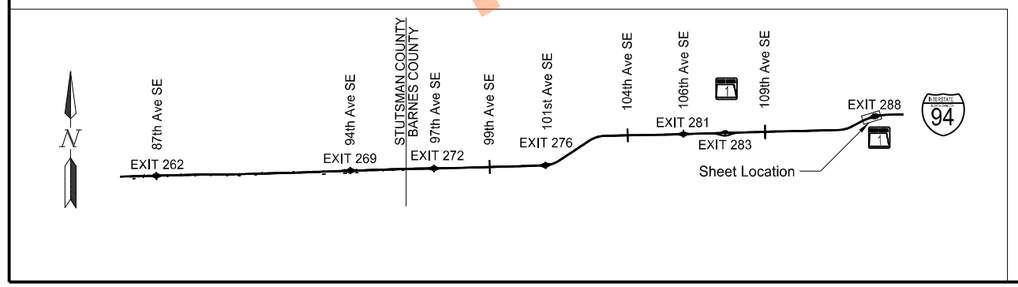
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment V
Sta 15229+25.0 to Sta 15237+25.0

I-94 Median
E of Exit 260 to W of Oakes

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DATE 11/17/2023
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Preliminary Plans

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	HEN-2-094(191)261	130	182

23 USC § 407 Documents
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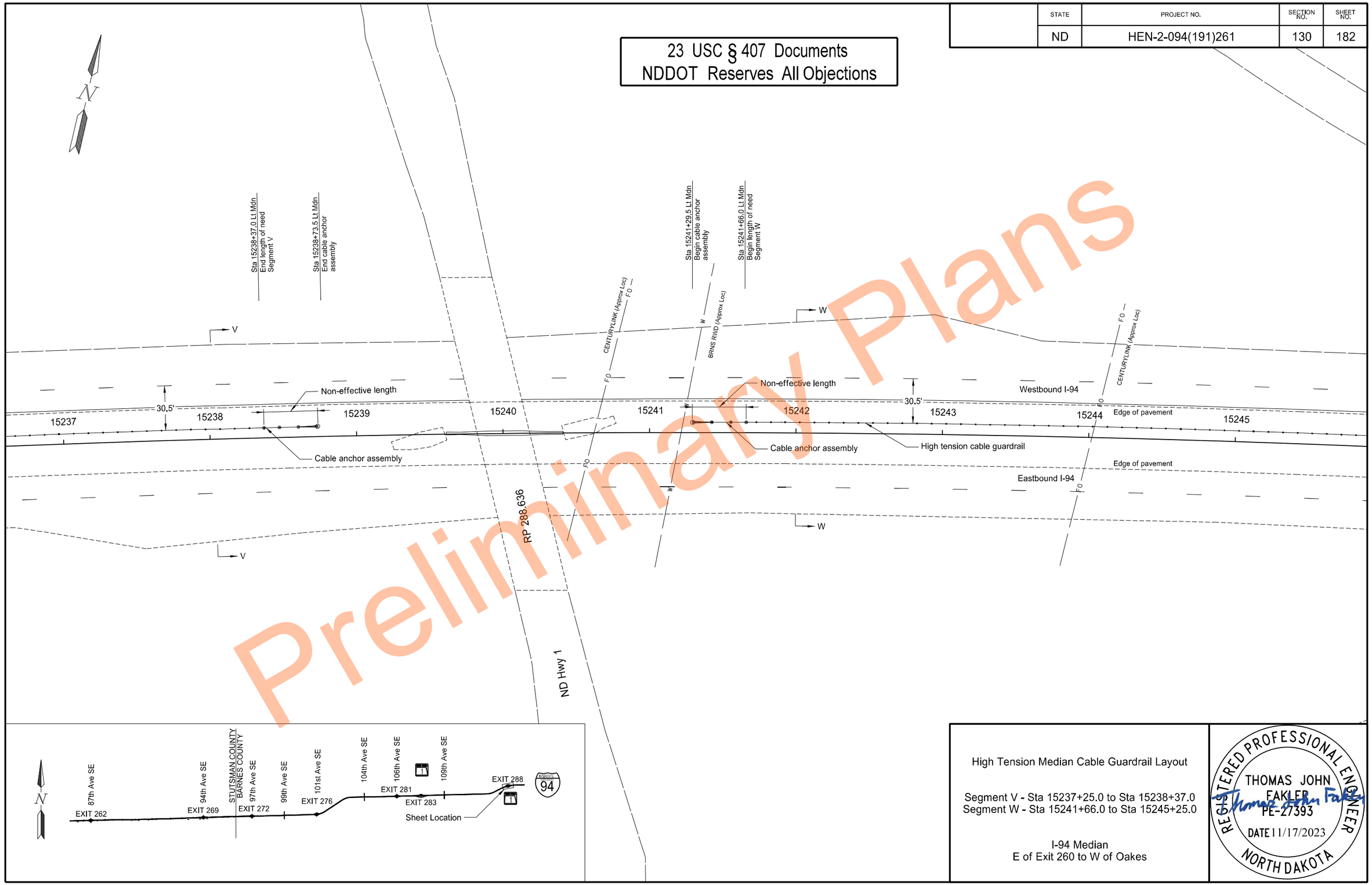
Preliminary Plans



High Tension Median Cable Guardrail Layout

Segment V - Sta 15237+25.0 to Sta 15238+37.0
Segment W - Sta 15241+66.0 to Sta 15245+25.0

I-94 Median
E of Exit 260 to W of Oakes

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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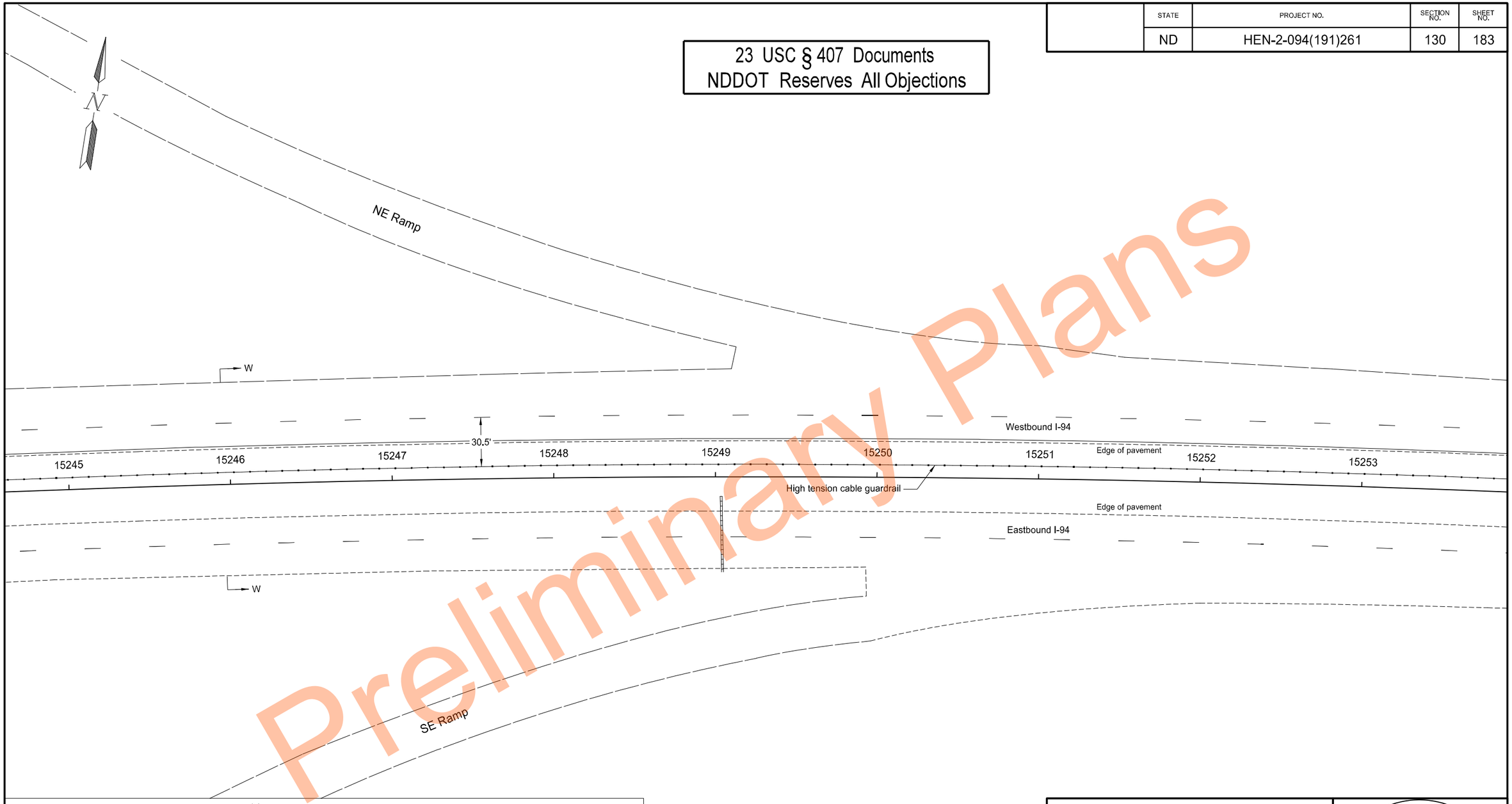
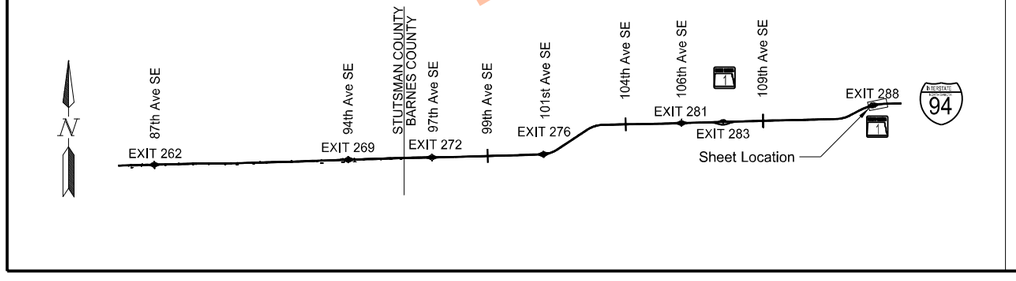
23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment W
Sta 15245+25.0 to Sta 15253+25.0

I-94 Median
E of Exit 260 to W of Oakes

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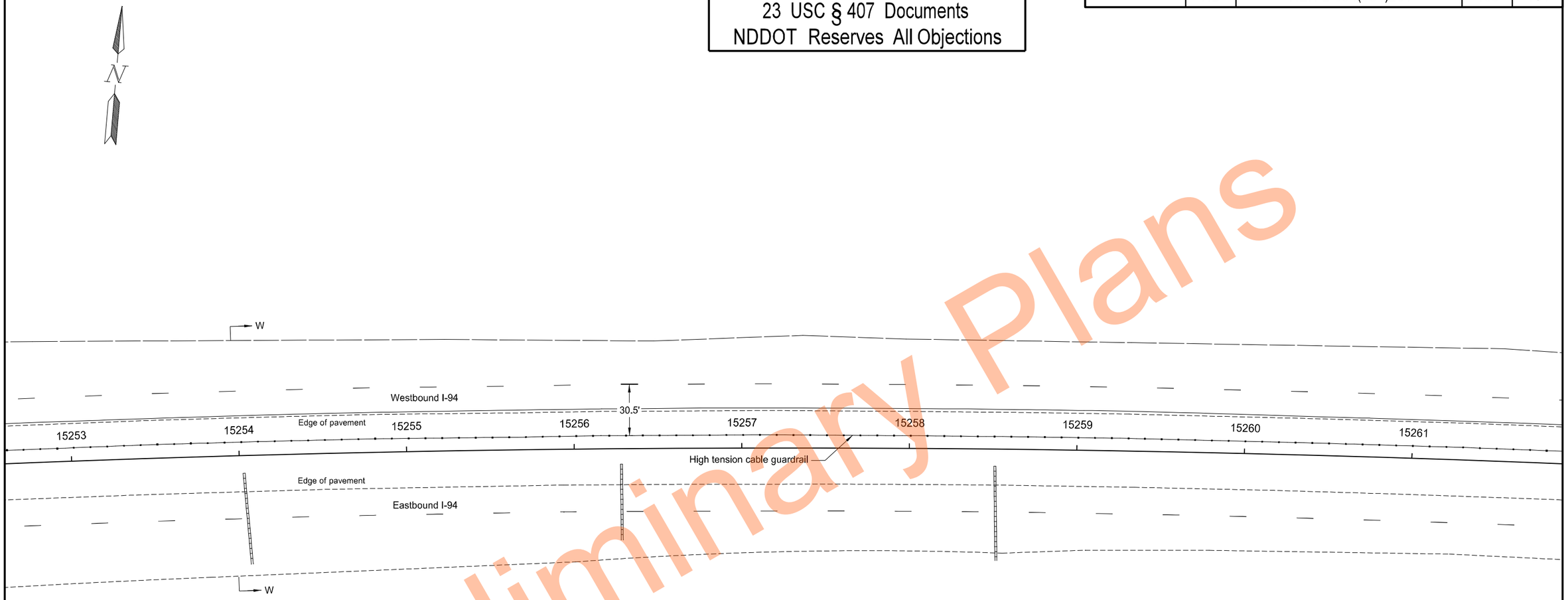
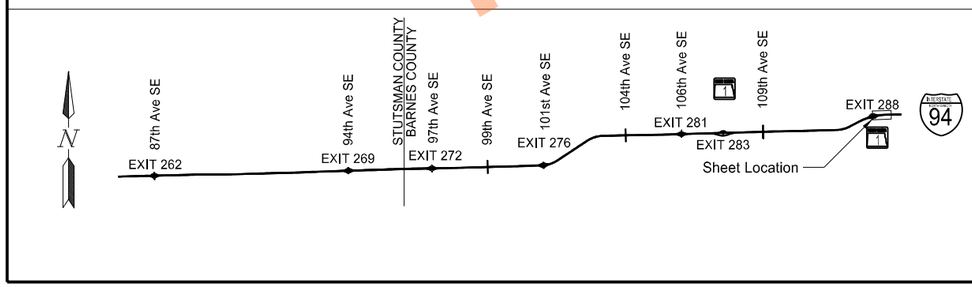
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	HEN-2-094(191)261	130	184

23 USC § 407 Documents
NDDOT Reserves All Objections





High Tension Median Cable Guardrail Layout

Segment W
Sta 15253+25.0 to Sta 15261+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

Preliminary Plans

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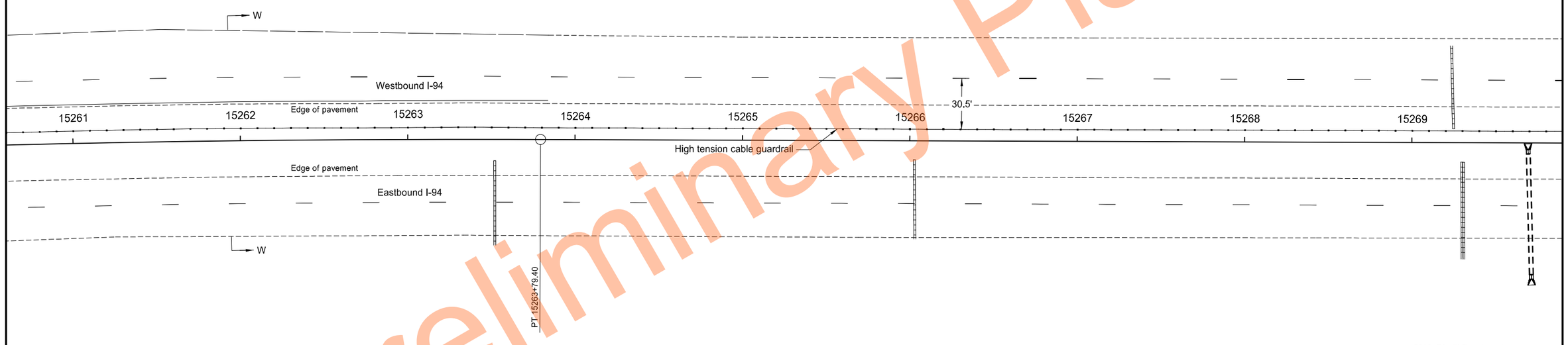

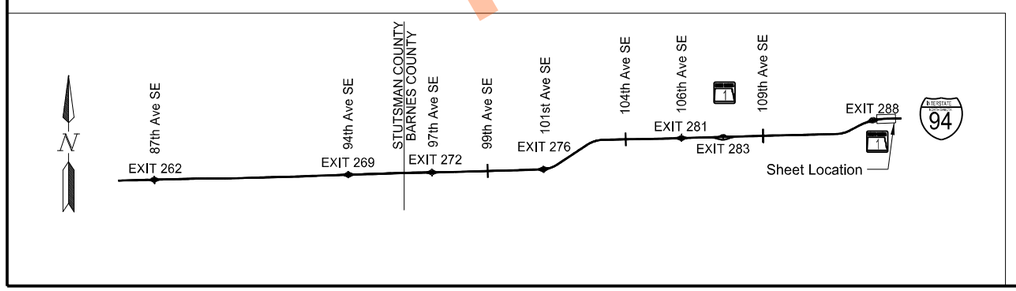

High Tension Median Cable Guardrail Layout

Segment W
Sta 15261+25.0 to Sta 15269+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

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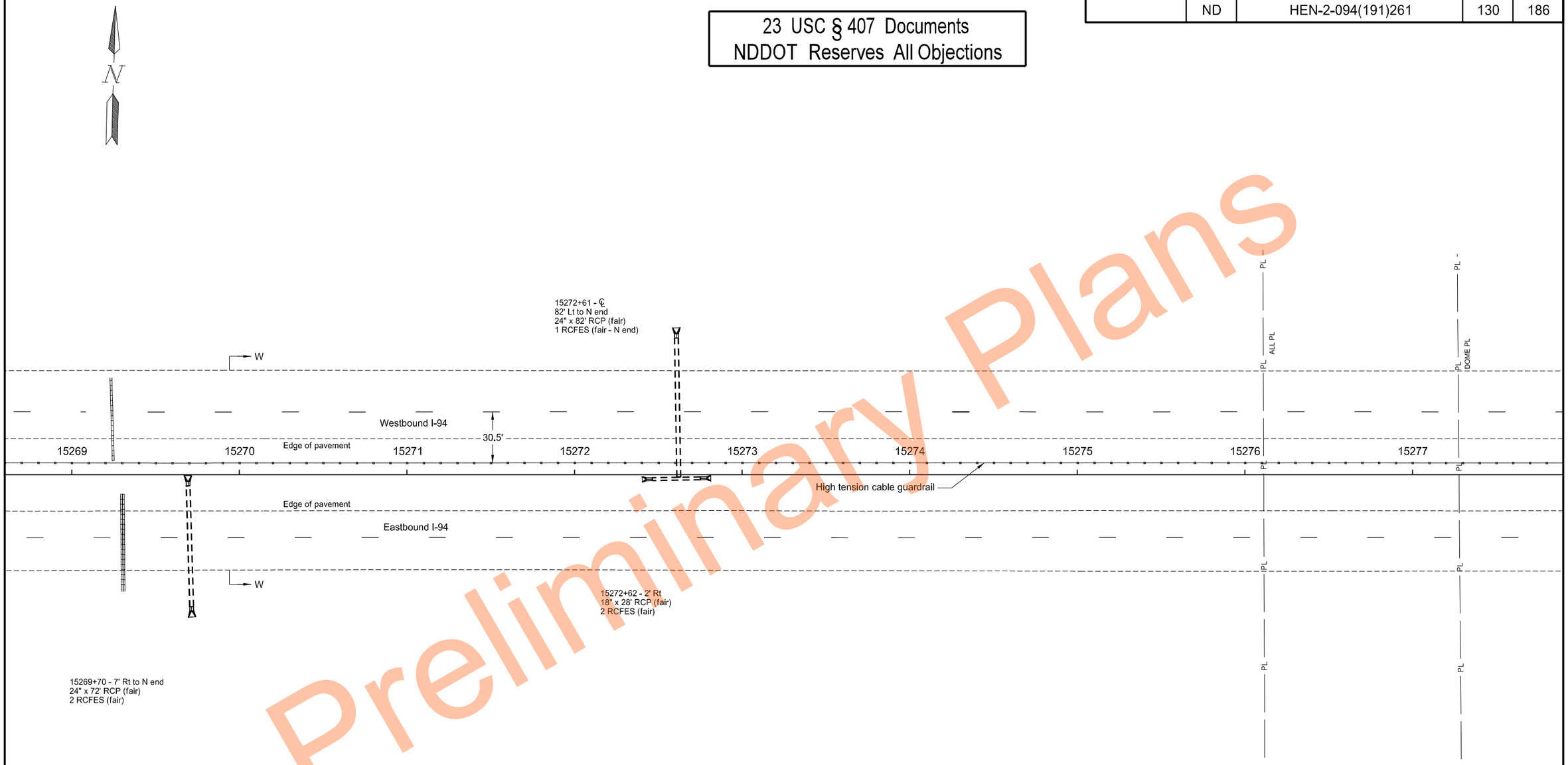

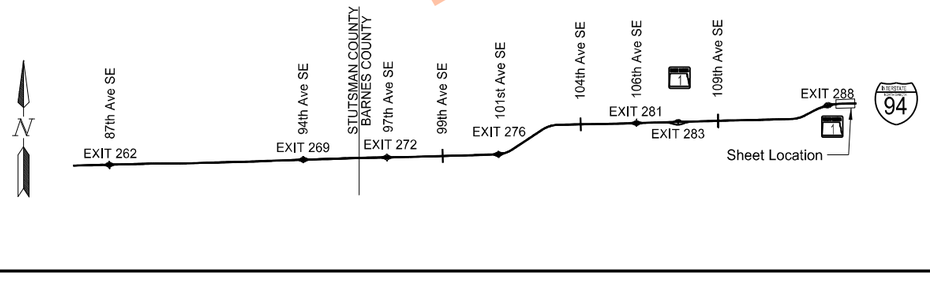

High Tension Median Cable Guardrail Layout

Segment W
Sta 15269+25.0 to Sta 15277+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

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23 USC § 407 Documents
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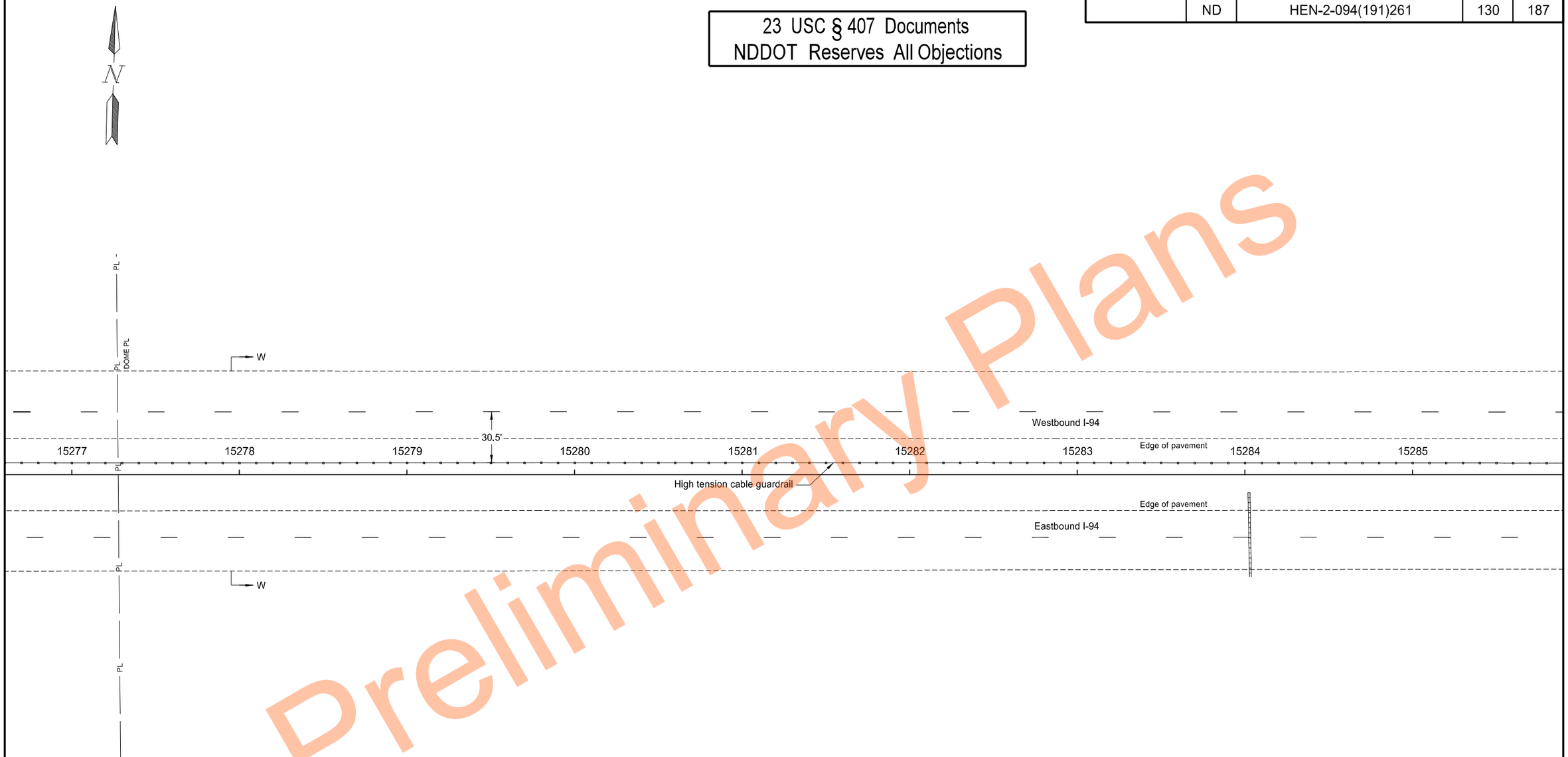

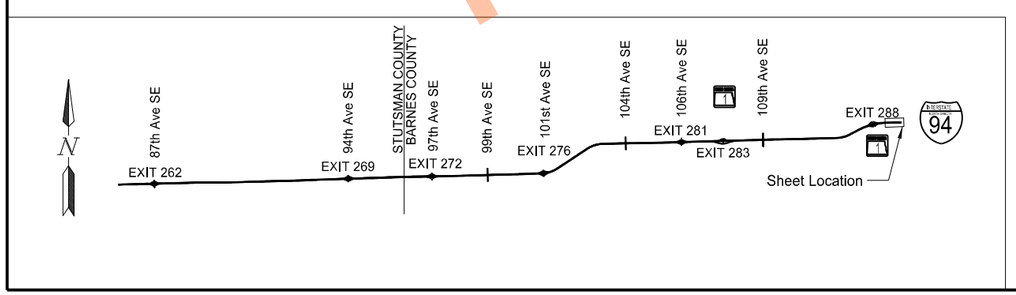

High Tension Median Cable Guardrail Layout

Segment W
Sta 15277+25.0 to Sta 15285+25.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
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Preliminary Plans

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23 USC § 407 Documents
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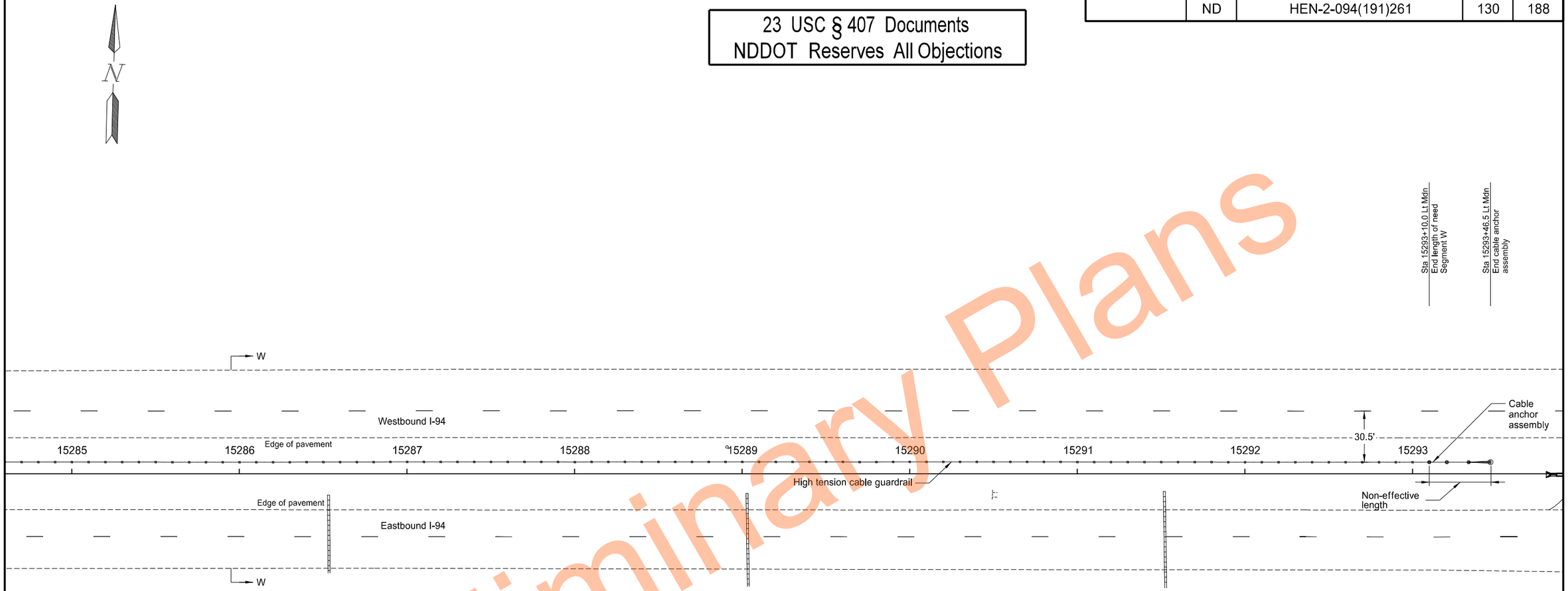
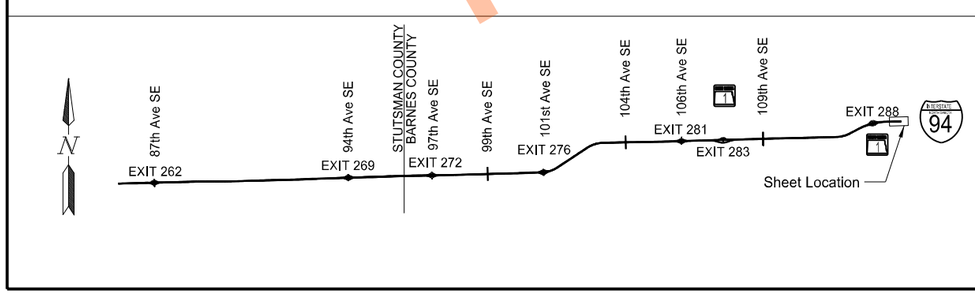
Preliminary Plans





High Tension Median Cable Guardrail Layout

Segment W
Sta 15285+25.0 to Sta 15293+10.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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23 USC § 407 Documents
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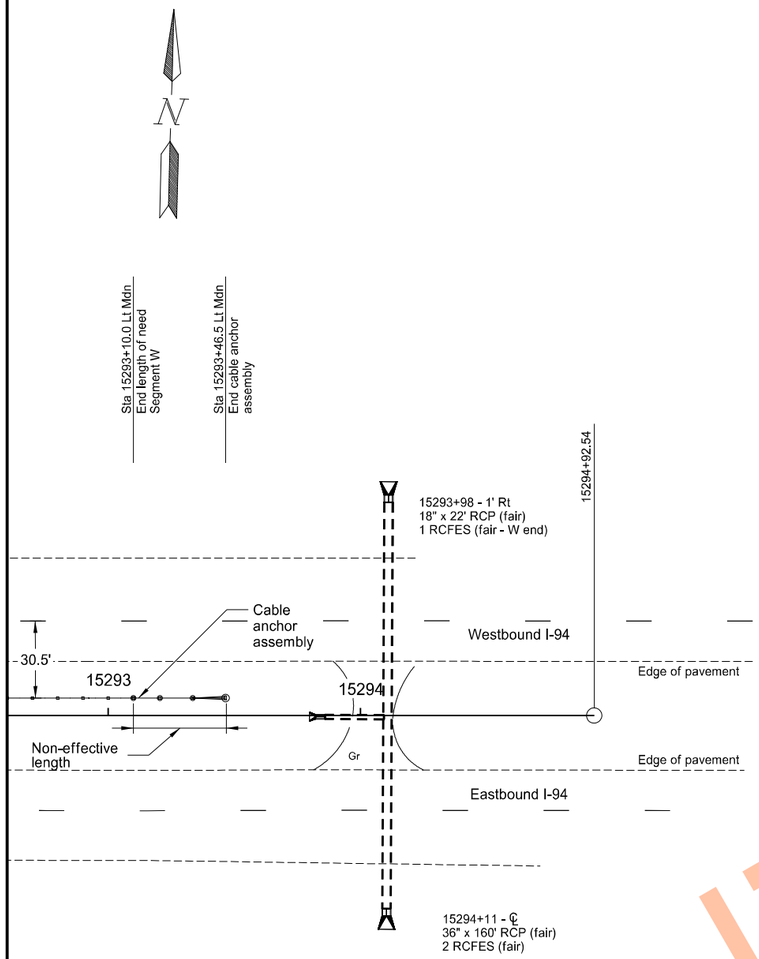

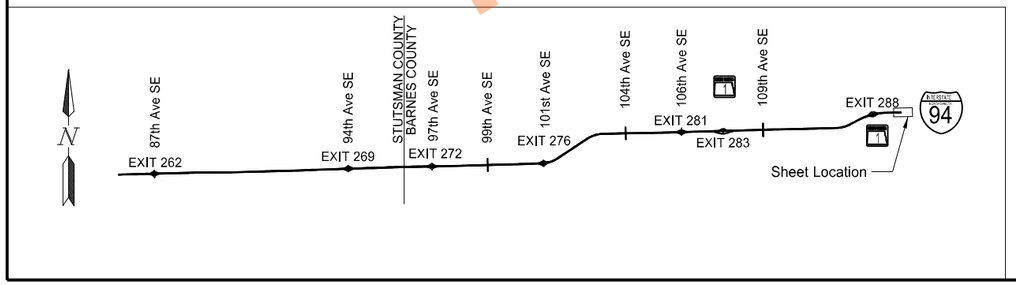

Preliminary Plans

High Tension Median Cable Guardrail Layout

Segment W
Sta 15293+00.0 to Sta 15293+10.0

I-94 Median
E of Exit 260 to W of Oakes

REGISTERED PROFESSIONAL ENGINEER
THOMAS JOHN FAKLER
PE-27393
DATE 11/17/2023
NORTH DAKOTA

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