

November 8, 2024

Re: Project's NH-CR 0014(185)229, 436( ) – PCN's 026Z & X05W– Urban Grading, Curb & Gutter, Sidewalk, Signals, Storm Sewer, Lighting, Asphalt Concrete Surfacing, PCC Surfacing, Water Main Improvement & Sewer Manhole Adjustments

To Whom It May Concern,

A pre-bid meeting for the US 14 (Euclid Ave) Reconstruction project is being held on November 26<sup>th</sup> at 1:30 PM CST via Microsoft TEAMS. Interested contracting parties are invited to attend the meeting virtually via the Microsoft Teams Meeting Link provided below.

This meeting will include a presentation of the project covering topics such as the overall scope of work, design aspects, traffic control, and contract time. There will be an opportunity for Contractors to present questions to Department staff, consultants, and project stakeholders.

Attendance is not a requirement, but all interested contracting parties are strongly encouraged to attend.

If attending the meeting you must join the meeting via the link provided. In order to reduce sound feedback please mute the microphone on your computer. Due to the meeting being virtual we are requesting that you please enter the name of your company followed by the individuals from your company attending the meeting into the chat feature of Microsoft Teams.

## [Join Pre-bid Meeting](#)

Date: November 26, 2024

Time: 1:30-3:30 PM (CST)

Meeting ID: 211 221 837 478

Additional instructions regarding the meeting format will be provided at the beginning of the meeting.

We look forward to seeing you there!

Sincerely,  
SD DOT

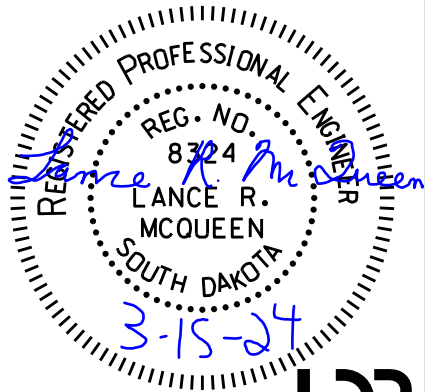
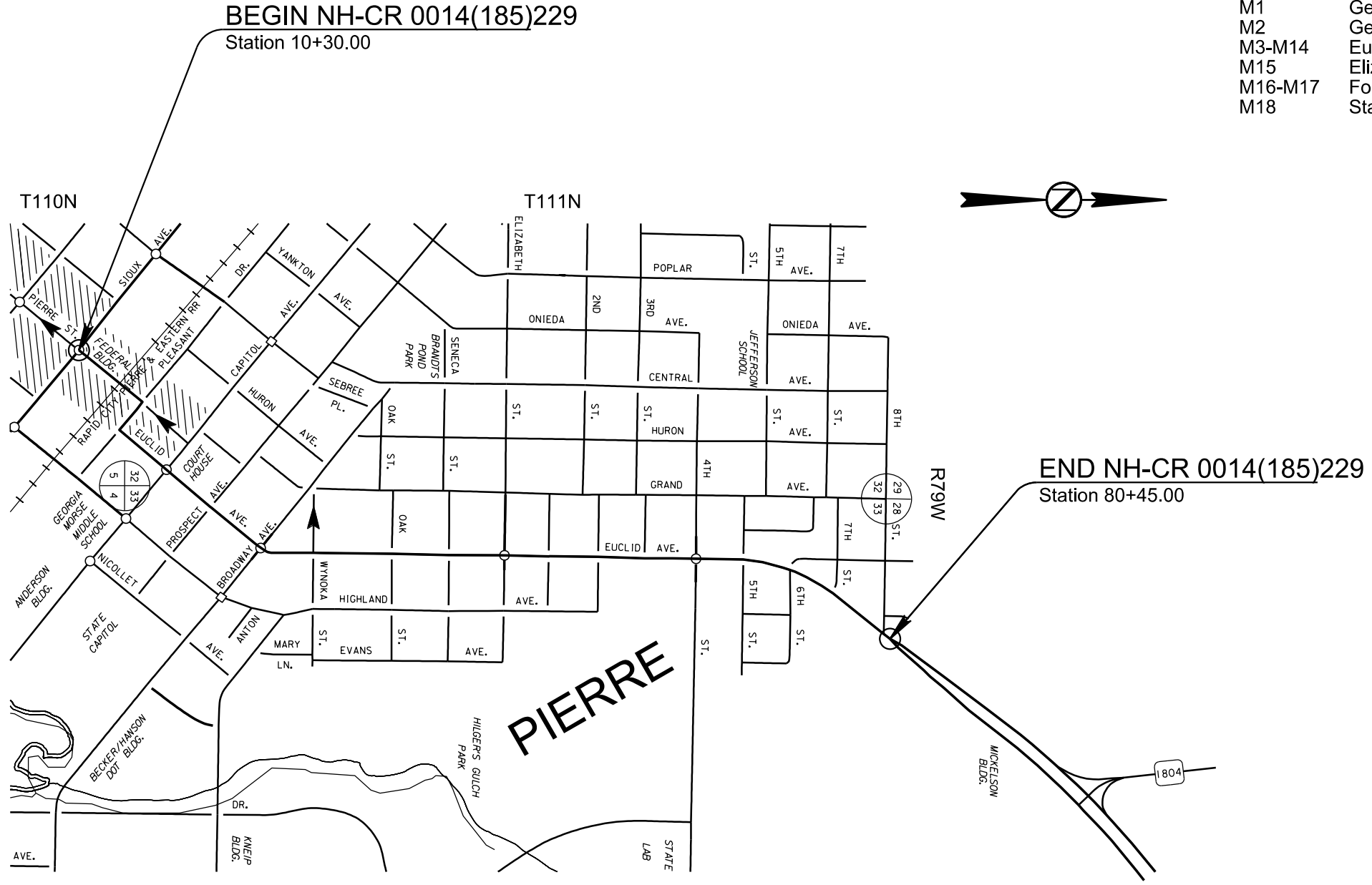
# SECTION M: PAVEMENT MARKING PLANS

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0014(185)229	M1	M18

Plotting Date: 3/12/2024

### INDEX OF SHEETS

- M1 General Layout with Index
- M2 General Notes and Tables
- M3-M14 Euclid Avenue Plan Layout Sheets
- M15 Elizabeth Avenue Plan Layout Sheet
- M16-M17 Fourth Street Plan Layout Sheet
- M18 Standard Plates



Plot Scale - 1:200

Plotted From - LMCQUEEN

File - ...Sheet Files\Section\_MMM01.dgn

**SECTION M ESTIMATE OF QUANTITIES**

Plotting Date: 4/15/2024

REV DATE: 04/16/2024 INITIAL: LRM

Bid Item Number	Item	Quantity	Unit
633E0010	Cold Applied Plastic Pavement Marking, 4"	25,176	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	2,555	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	62	Each
633E0045	Cold Applied Plastic Pavement Marking, Combination Arrow	4	Each
633E0046	Cold Applied Plastic Pavement Marking, Lane Reduction Arrow	2	Each
633E0062	Cold Applied Plastic Pavement Marking, Symbol	1	Each
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	25,176	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	2,555	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	62	Each
633E5030	Grooving for Cold Applied Plastic Pavement Marking, Combination Arrow	4	Each
633E5031	Grooving for Cold Applied Plastic Pavement Marking, Lane Reduction Arrow	2	Each
633E5037	Grooving for Cold Applied Plastic Pavement Marking, Symbol	1	Each
634E0560	Remove Pavement Marking, 4" or Equivalent	4,323	Ft
634E0565	Remove Pavement Marking, Arrow	7	Each

**COLD APPLIED PLASTIC PAVEMENT MARKING**

All materials will be applied as per the manufacturer's recommendations. Cold Applied Plastic Pavement Markings will be 3M Series 380 AW or an approved equal.

**GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING**

The Contractor will establish a positive means for the removal of the grinding and/or grooving residue. Residue from dry grooving will be vacuumed. Solid residue will be removed from the pavement surfaces before being blown by traffic action or wind. The Contractor will conduct this work to control and minimize airborne dust and similar debris that may become a hazard to motor vehicle operation or nuisance to property owners. Residue from wet grooving will not be permitted to flow across lanes being used by public traffic or into gutter or drainage facilities. Residue, whether in solid or slurry form, will be disposed of in a manner that will prevent it from reaching any waterway in a concentrated state. The cleaning of the residue for grooving will be to the satisfaction of the Engineer and may require more than one pass to adequately remove material. All costs for removal of grinding and/or grooving residue will be included in the contract unit price per foot, square foot, each, or word for "Grooving for Cold Applied Plastic Pavement Marking" contract items.

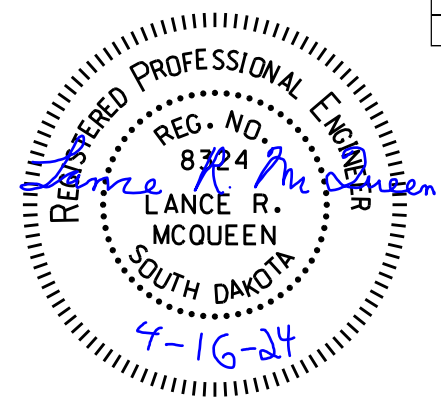
**REMOVE PAVEMENT MARKING, 4" OR EQUIVALENT**

Markings that fall outside of the new groove will be obliterated using additional methods approved by the Engineer. Removal of the existing markings will be accomplished without causing damage to the pavement, pavement joints, or joint sealant. The Contractor will repair any damage to the pavement, pavement joints, or joint sealant for no additional payment and at no cost to the State. All costs for materials, labor, and equipment necessary to remove the existing markings will be incidental to the contract unit price per foot for "Remove Pavement Marking, 4" or Equivalent".

TABLE OF REMOVE PAVEMENT MARKINGS					
Location	4" White (Ft)	4" Yellow (Ft)	24" White (Ft)	24" Yellow (Ft)	Arrow (Each)
Pierre St, Sioux Ave Intersection	139	120	368		2
Capitol Ave, west of Euclid Ave	36	72			1
Capitol Ave, east of Euclid Ave	78	78			4
Broadway Ave, east of Euclid Ave		80			
Fourth St, east of Euclid Ave	55	764		24	1
Field Determined	50	50	50		1
Total	358	1164	418	24	9
4" Equivalent Total	358	1164	2508	143	
<b>4" Equivalent Grand Total</b>			4173		9

TABLE OF PAVEMENT MARKINGS										
Location		Cold Applied Plastic Markings								
		4W (Ft)	4Y (Ft)	24W (Ft)	24Y (Ft)	White Turn Arrow (Each)	White Thru Arrow (Each)	White Combination Arrow (Each)	White Lane Reduction Arrow (Each)	Symbol (Each)
From	To									
<b>Pierre Street</b>										
Sioux Ave Intersection		139	120	521		2				
Sioux Ave	Pleasant Dr	1152	1114	24	68	3	2	3		1
<b>Pleasant Drive</b>										
west of Pierre Street			236	17						
Pierre St	Euclid Ave		787	13		2				
east of Euclid Ave			170	31						
<b>Euclid Avenue</b>										
Pleasant Dr	Capitol Ave	685	764			3				
Capitol Ave Intersection		207	275	522		6				
Capitol Ave	Prospect Ave	860	638			4				
Prospect Ave	Broadway Ave	539	716			4				
Broadway Ave Intersection		49	426	371		1		1		
Broadway Ave	Wynoka St	308	554			5			2	
Wynoka St	Oak St	961	1294		20	3				
Oak St	Seneca St	720	612							
Seneca St	Elizabeth St	280	882		20	1				
Elizabeth St Intersection			100	385						
Elizabeth St	First St	190	524			3				
First St	Second St	128	610			2				
Second St	Fourth St	420	1402			5				
Fourth St Intersection				458						
Fourth St	Fifth St	335	464			3				
Fifth St	Sixth St	120	590			2				
<b>US 14-83</b>										
Sixth St	Seventh St	100	510			2				
Seventh St	Eighth St	160	824			2				
Eighth St	north end of project	270	768		45					
<b>Elizabeth Street</b>										
west end	Euclid Ave	211	934		20	3				
<b>Fourth Street</b>										
west end	Euclid Ave	50	895		20	1				
Euclid Ave	east end	150	931		20	3				
<b>Totals</b>		<b>8035</b>	<b>17141</b>	<b>2342</b>	<b>213</b>	<b>60</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>1</b>
<b>Grand Totals</b>		<b>25176</b>	<b>2555</b>			<b>62</b>		<b>4</b>	<b>2</b>	<b>1</b>

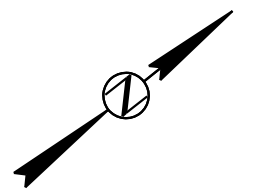
Pavement Grooving (for Cold Applied Plastic Markings)									
Location	4"	24"	24"	Arrows				Symbol	
	(Ft)	(Ft)	(Ft)	(Ft)	(Each)	(Each)	(Each)	(Each)	(Each)
<b>Totals</b>	<b>8035</b>	<b>17141</b>	<b>2342</b>	<b>213</b>	<b>60</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>1</b>
<b>Grand Totals</b>	<b>25176</b>	<b>2555</b>			<b>62</b>		<b>4</b>	<b>2</b>	<b>1</b>



11/03/2021 LRM

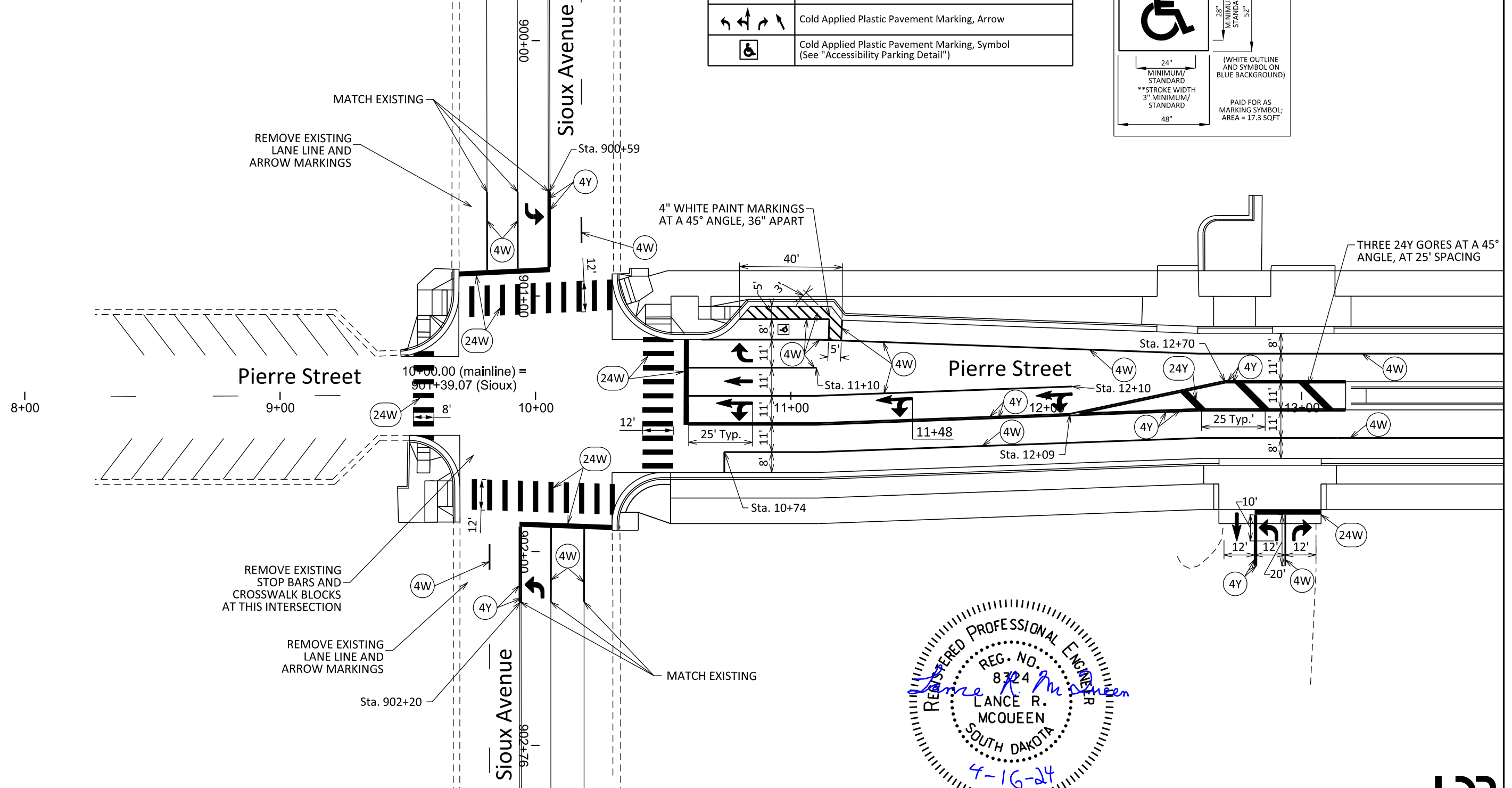


# Pavement Markings - Pierre Street



Pavement Marking Legend

	Cold Applied Plastic Pavement Marking, 4" White or Yellow
	Cold Applied Plastic Pavement Marking, 24" White or Yellow
	Cold Applied Plastic Pavement Marking, Arrow
	Cold Applied Plastic Pavement Marking, Symbol (See "Accessibility Parking Detail")

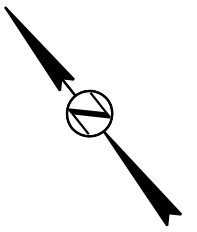


REGISTERED PROFESSIONAL ENGINEER  
REG. NO. 8324  
*Lance R. McQueen*  
LANCE R. MCQUEEN  
SOUTH DAKOTA  
4-16-24



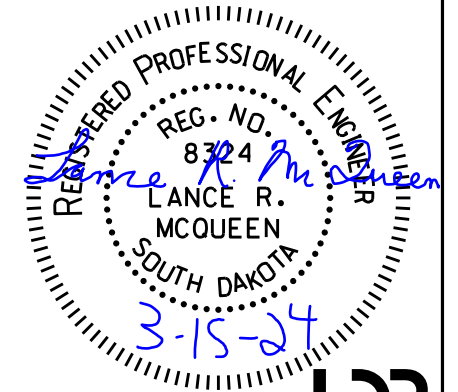
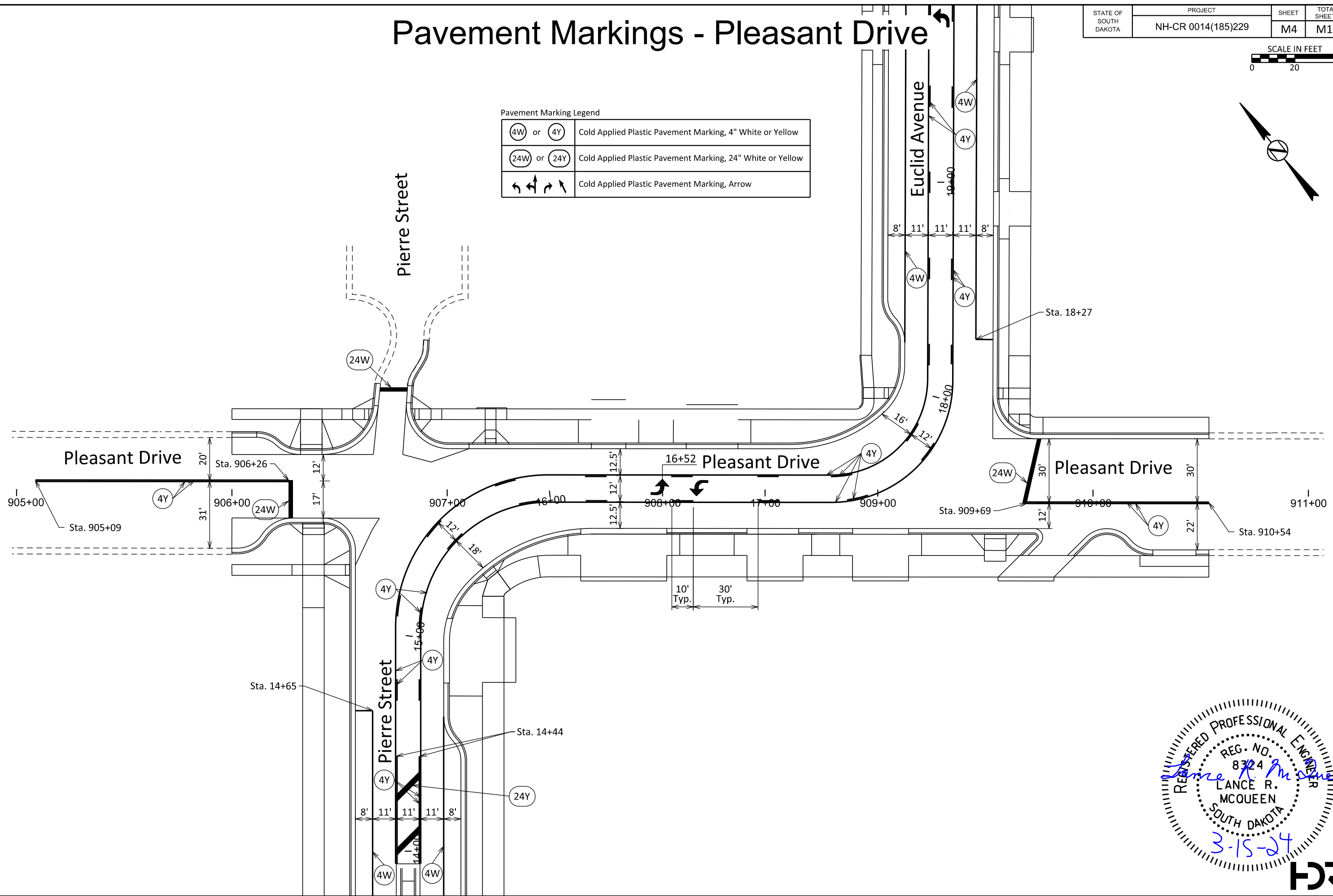
# Pavement Markings - Pleasant Drive

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M4	TOTAL SHEETS M18
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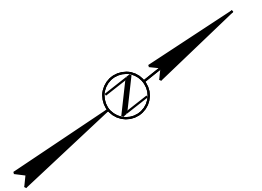
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↩ ↪ ↴ ↵	Cold Applied Plastic Pavement Marking, Arrow



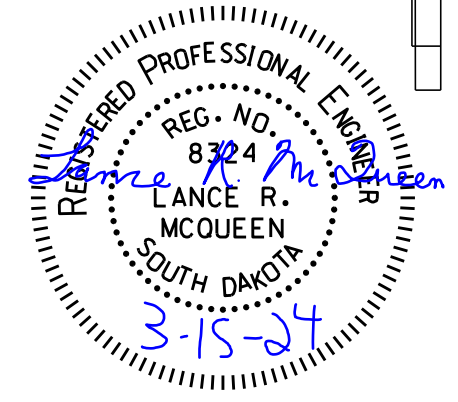
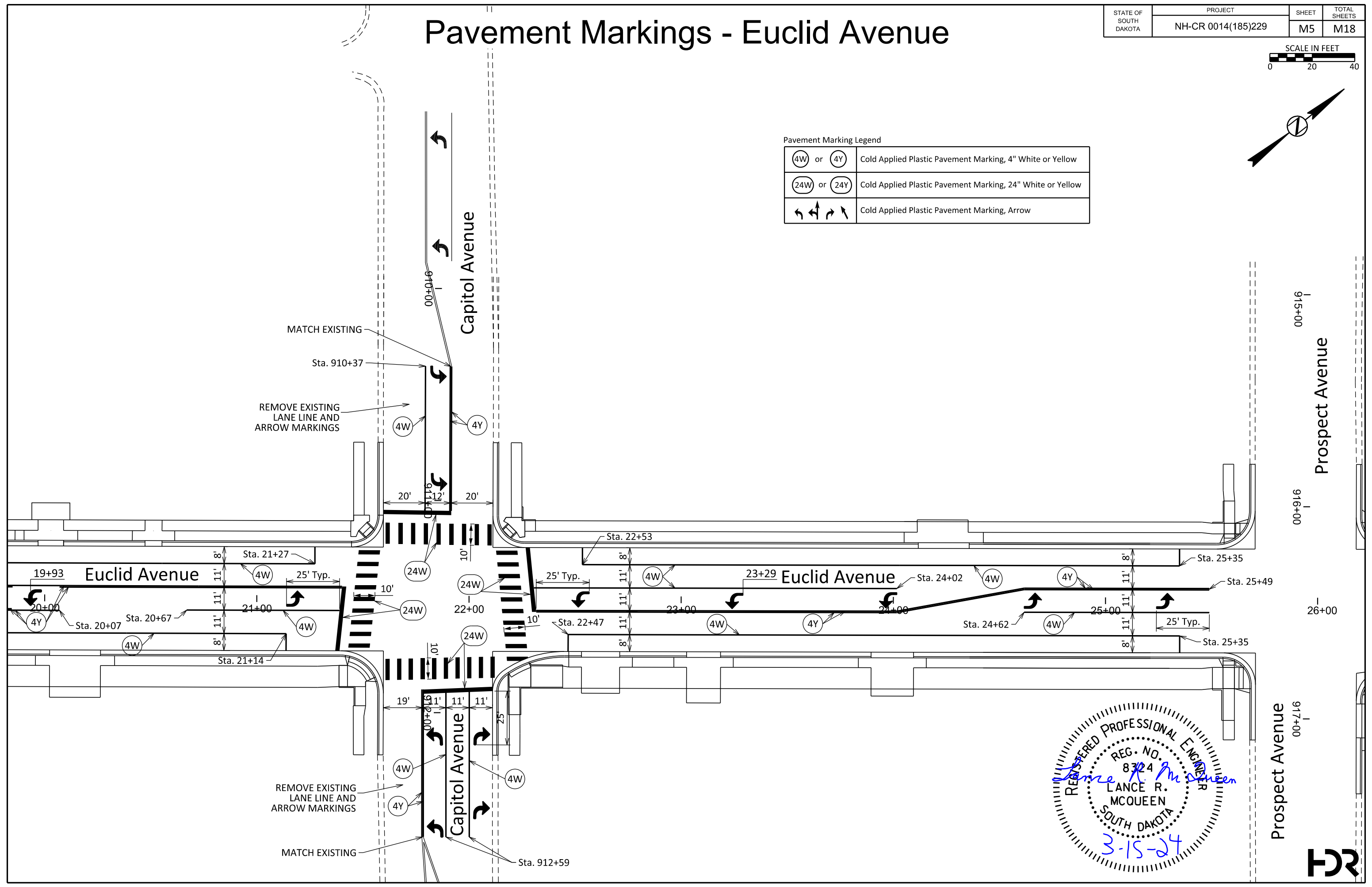
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M5	TOTAL SHEETS M18
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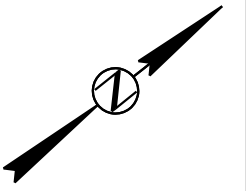
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↖ ↗ ↘ ↙	Cold Applied Plastic Pavement Marking, Arrow



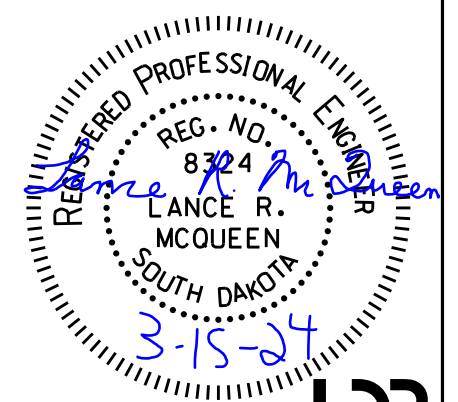
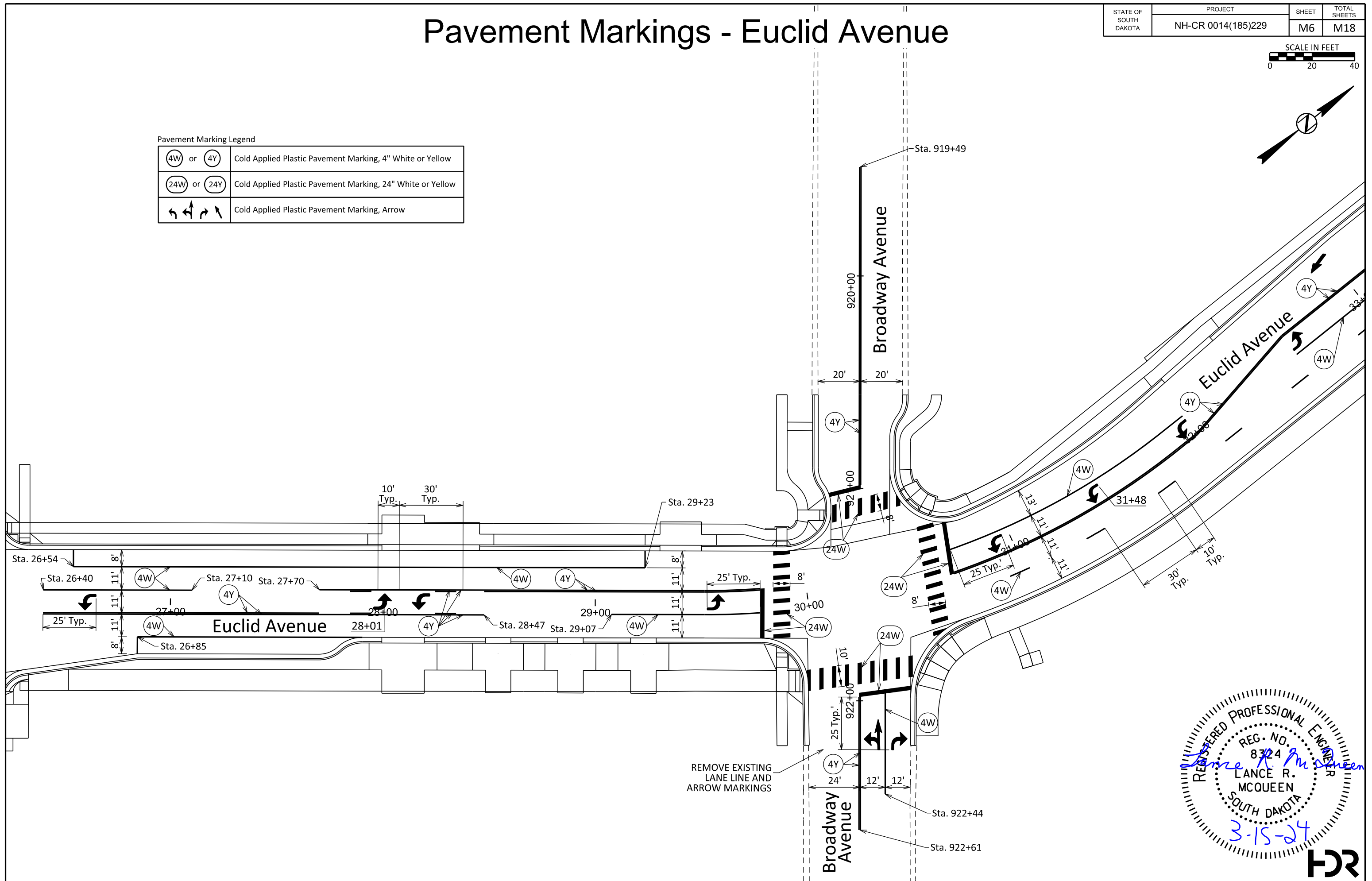
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M6	TOTAL SHEETS M18
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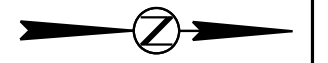
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↖ ↗ ↘ ↙	Cold Applied Plastic Pavement Marking, Arrow



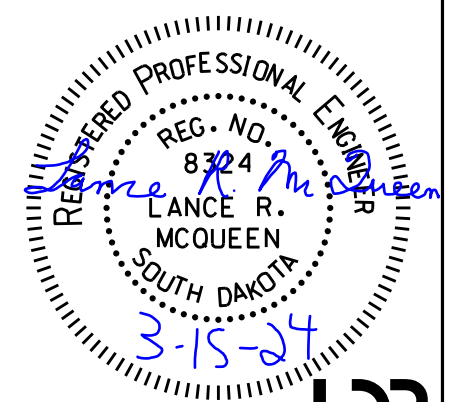
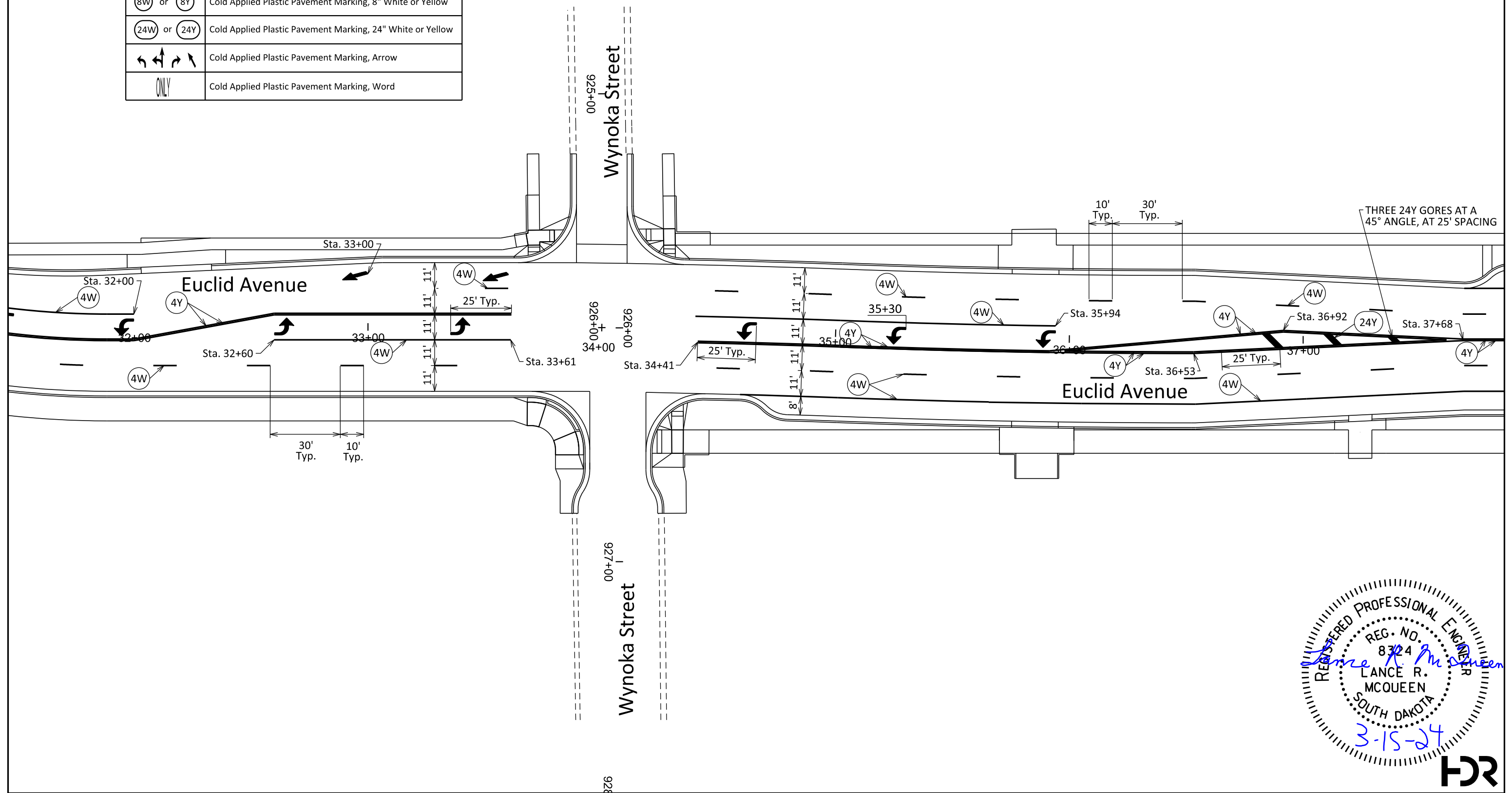
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M7	TOTAL SHEETS M18
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Pavement Marking Legend

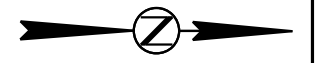
(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(8W) or (8Y)	Cold Applied Plastic Pavement Marking, 8" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↔↔↔↔	Cold Applied Plastic Pavement Marking, Arrow
ONLY	Cold Applied Plastic Pavement Marking, Word





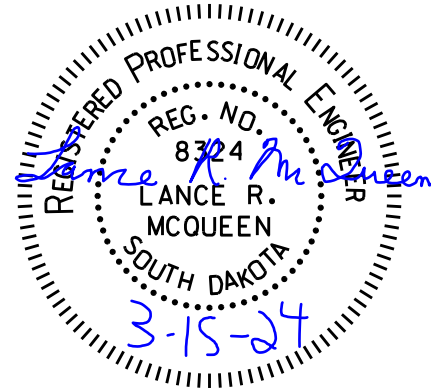
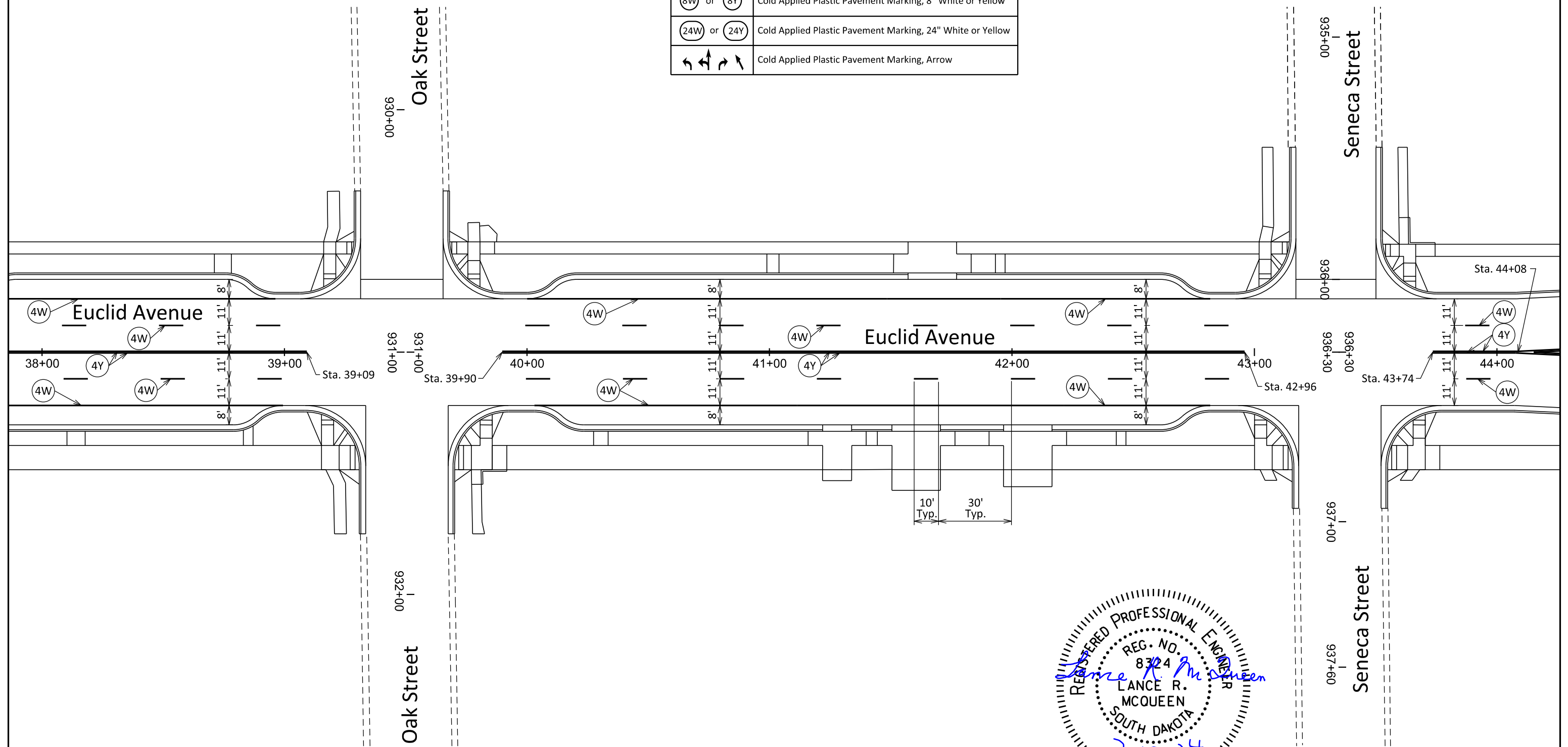
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	NH-CR 0014(185)229	M8	M18



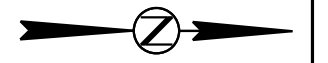
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(8W) or (8Y)	Cold Applied Plastic Pavement Marking, 8" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↔ ↗ ↘ ↙ ↚	Cold Applied Plastic Pavement Marking, Arrow



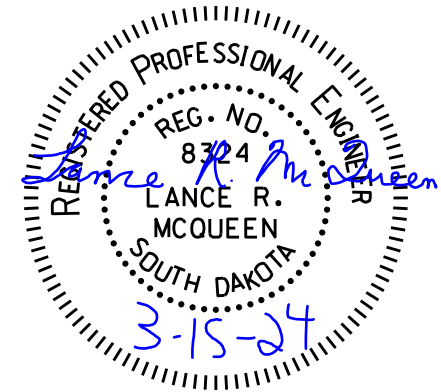
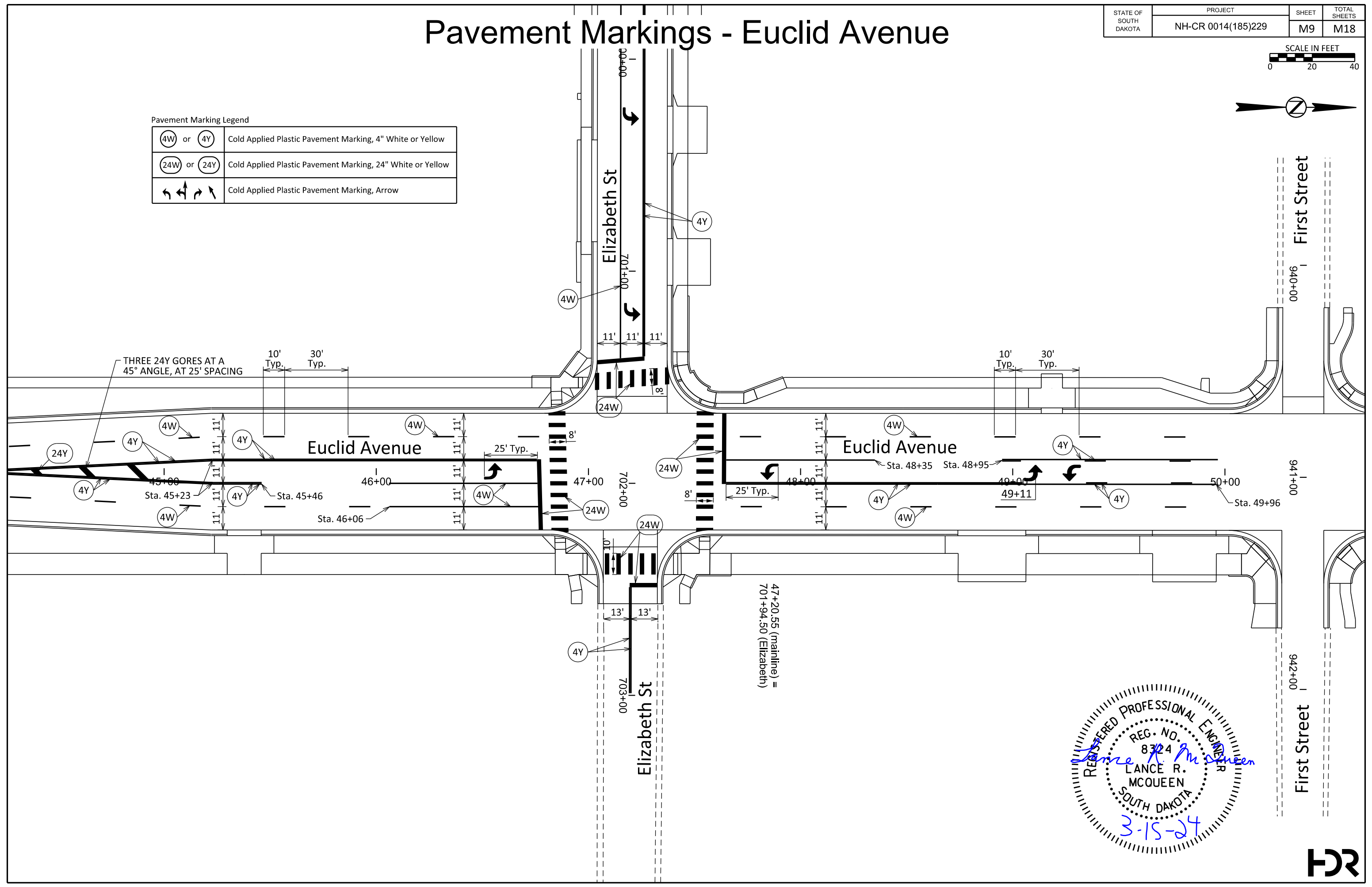
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M9	TOTAL SHEETS M18
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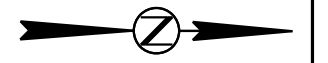
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↶ ↷ ↸ ↹	Cold Applied Plastic Pavement Marking, Arrow



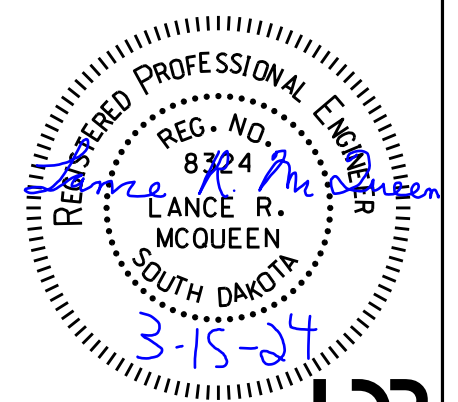
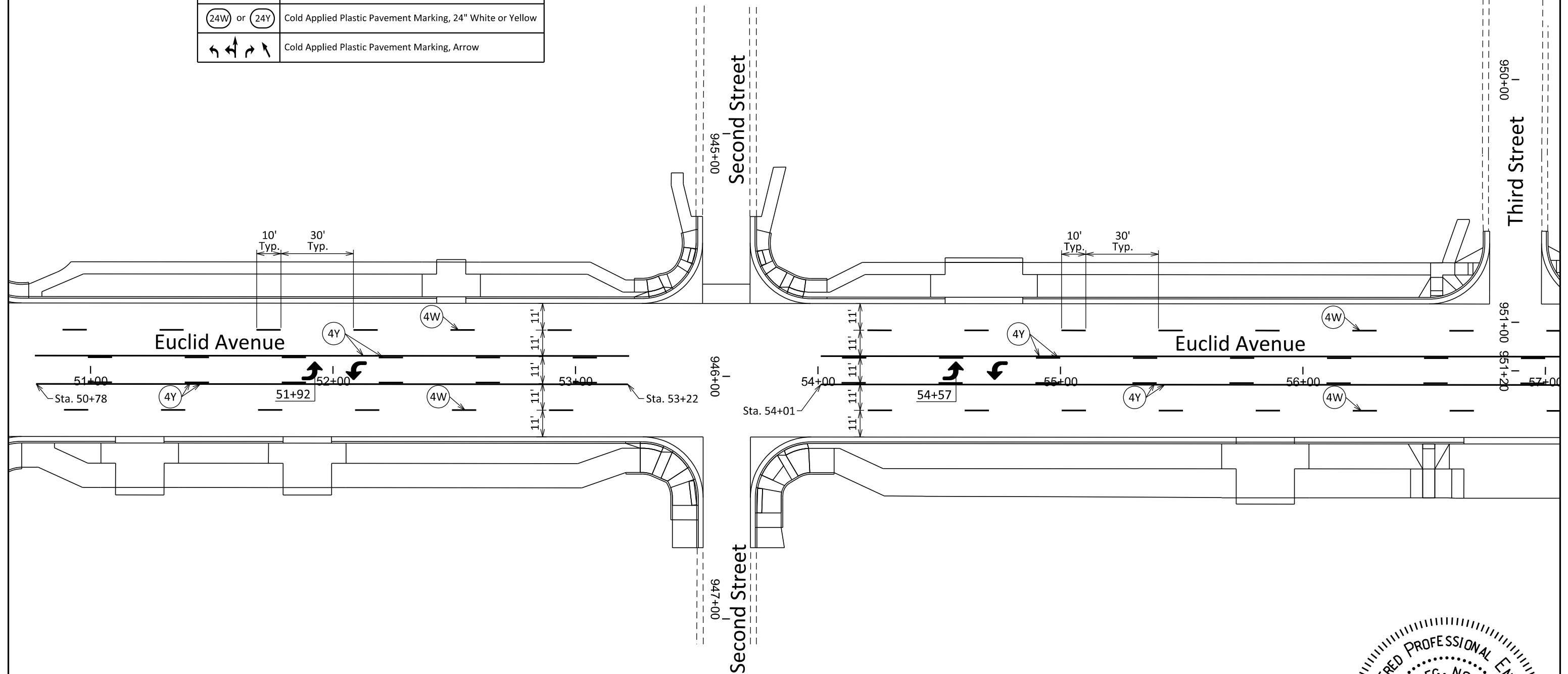
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M10	TOTAL SHEETS M18
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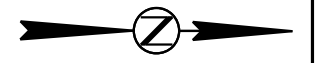
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↔↕↔↕	Cold Applied Plastic Pavement Marking, Arrow



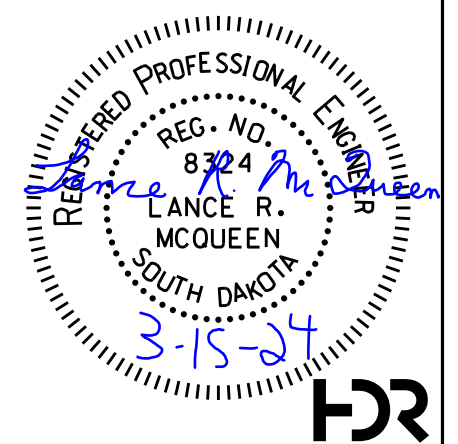
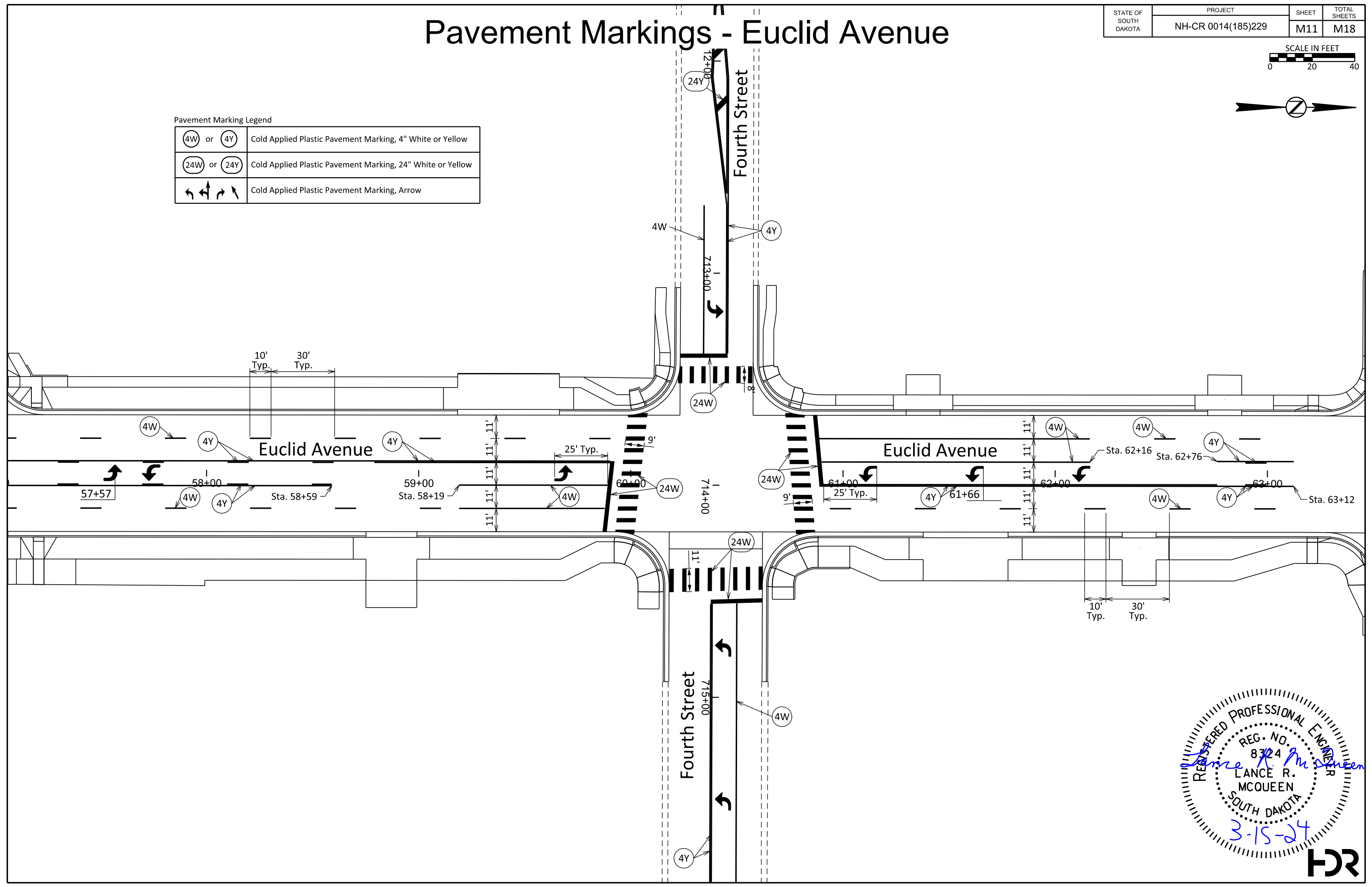
# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M11	TOTAL SHEETS M18
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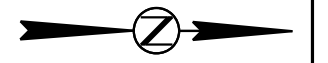
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↶ ↷ ↸ ↹	Cold Applied Plastic Pavement Marking, Arrow

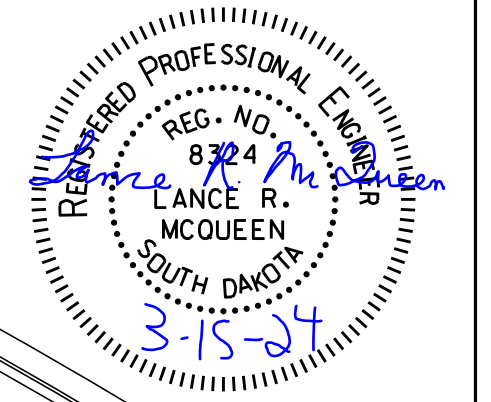
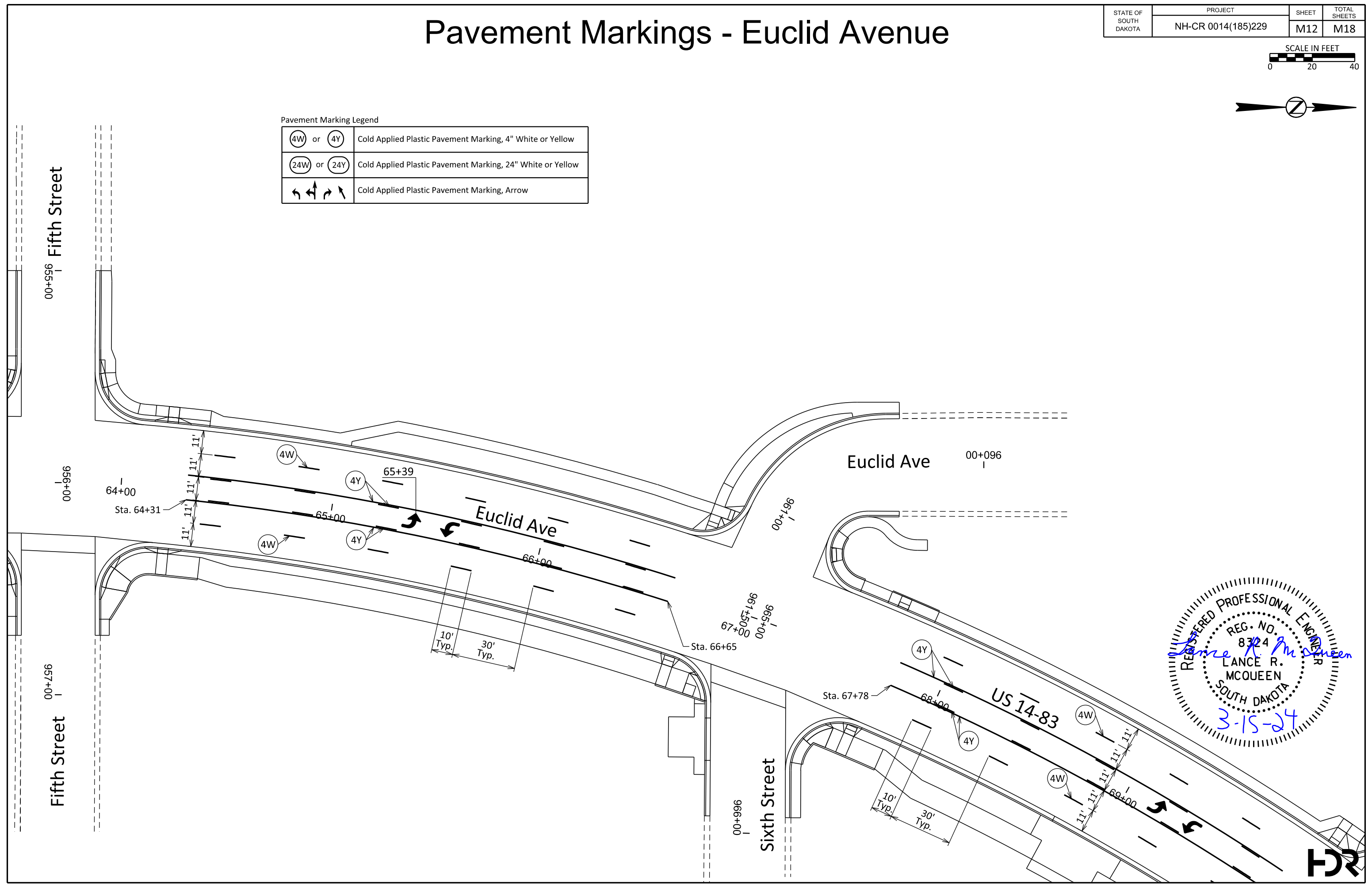


# Pavement Markings - Euclid Avenue

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M12	TOTAL SHEETS M18
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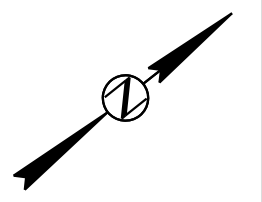


Pavement Marking Legend	
(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↶ ↷ ↸ ↹	Cold Applied Plastic Pavement Marking, Arrow



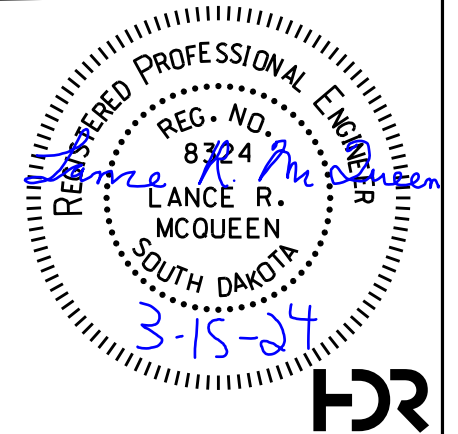
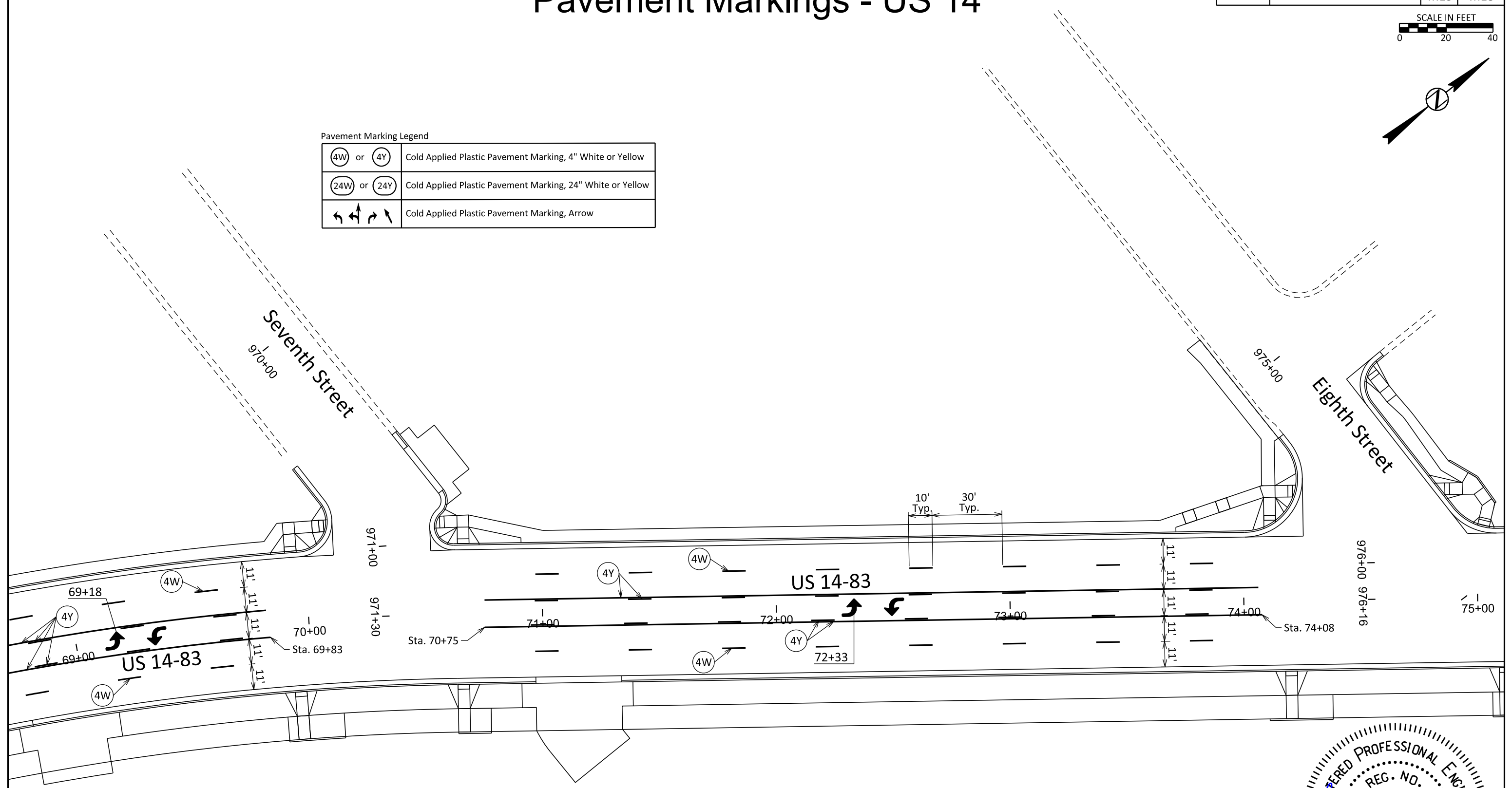
# Pavement Markings - US 14

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M13	TOTAL SHEETS M18
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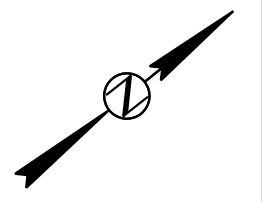
Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↔↔↔↔	Cold Applied Plastic Pavement Marking, Arrow



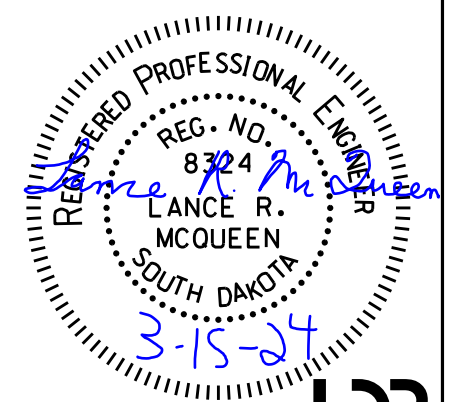
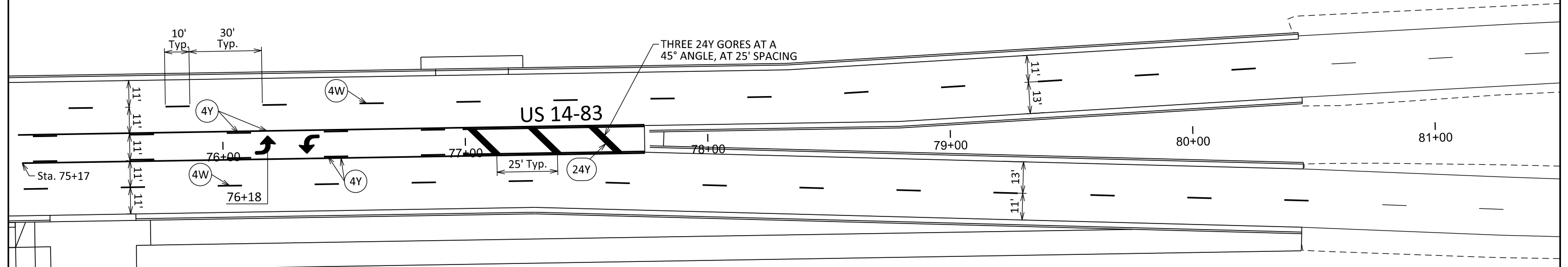
# Pavement Markings - US 14

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M14	TOTAL SHEETS M18
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Pavement Marking Legend

	Cold Applied Plastic Pavement Marking, 4" White or Yellow
	Cold Applied Plastic Pavement Marking, 24" White or Yellow
	Cold Applied Plastic Pavement Marking, Arrow



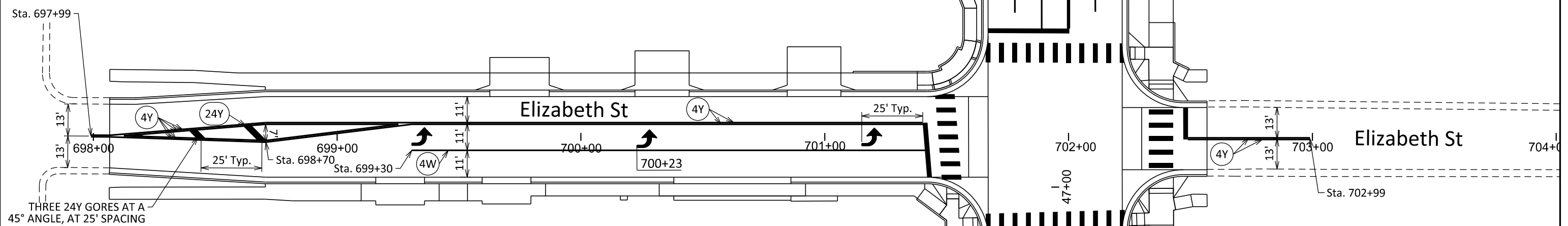
# Pavement Markings - Elizabeth Street

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M15	TOTAL SHEETS M18
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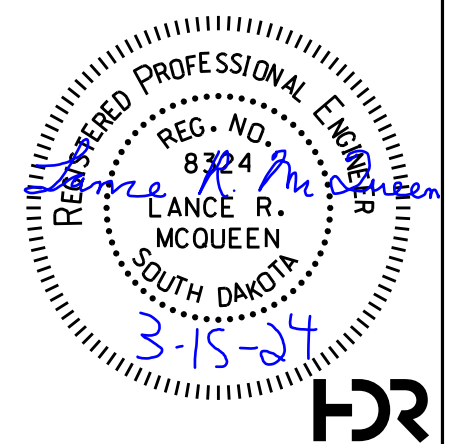


Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↶ ↷ ↸ ↹	Cold Applied Plastic Pavement Marking, Arrow



THREE 24Y GORES AT A 45° ANGLE, AT 25' SPACING





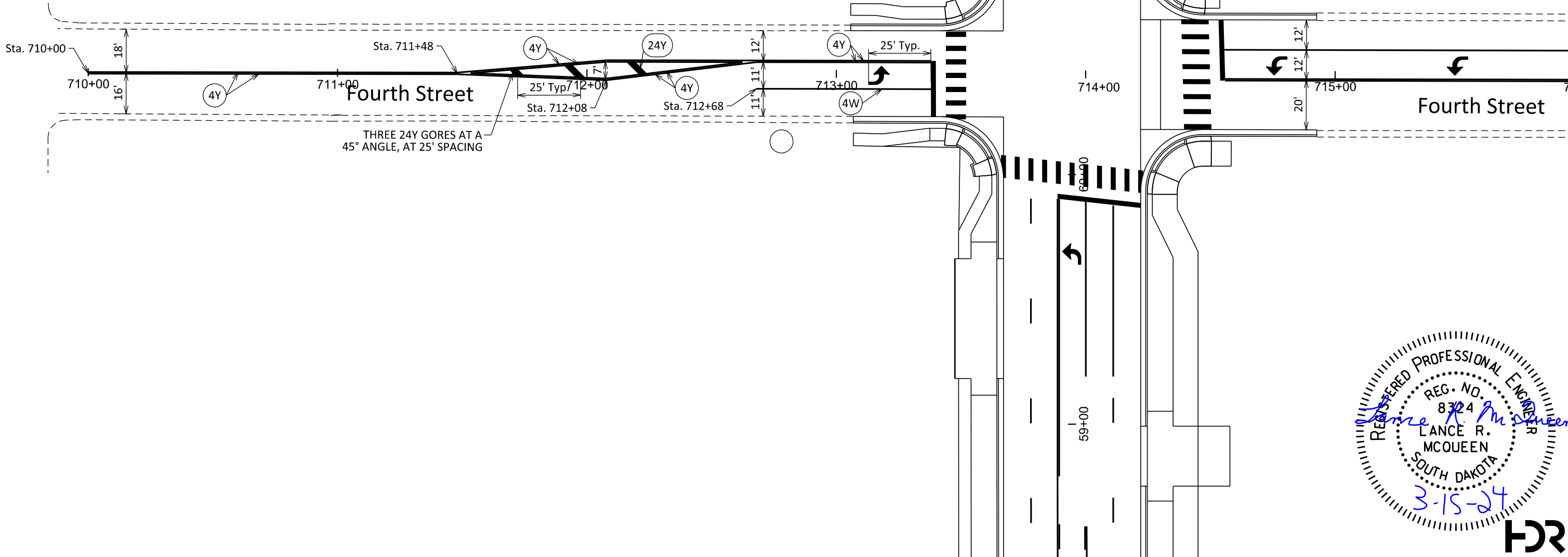
# Pavement Markings - Fourth Street

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M16	TOTAL SHEETS M18
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Pavement Marking Legend

(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↙ ↘ ↗ ↖	Cold Applied Plastic Pavement Marking, Arrow

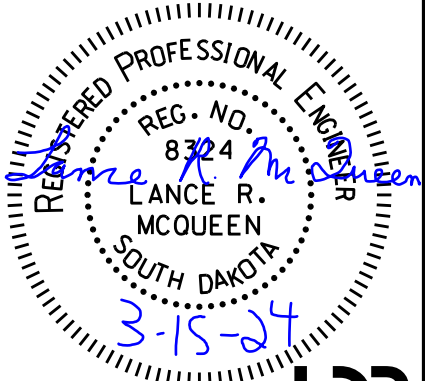
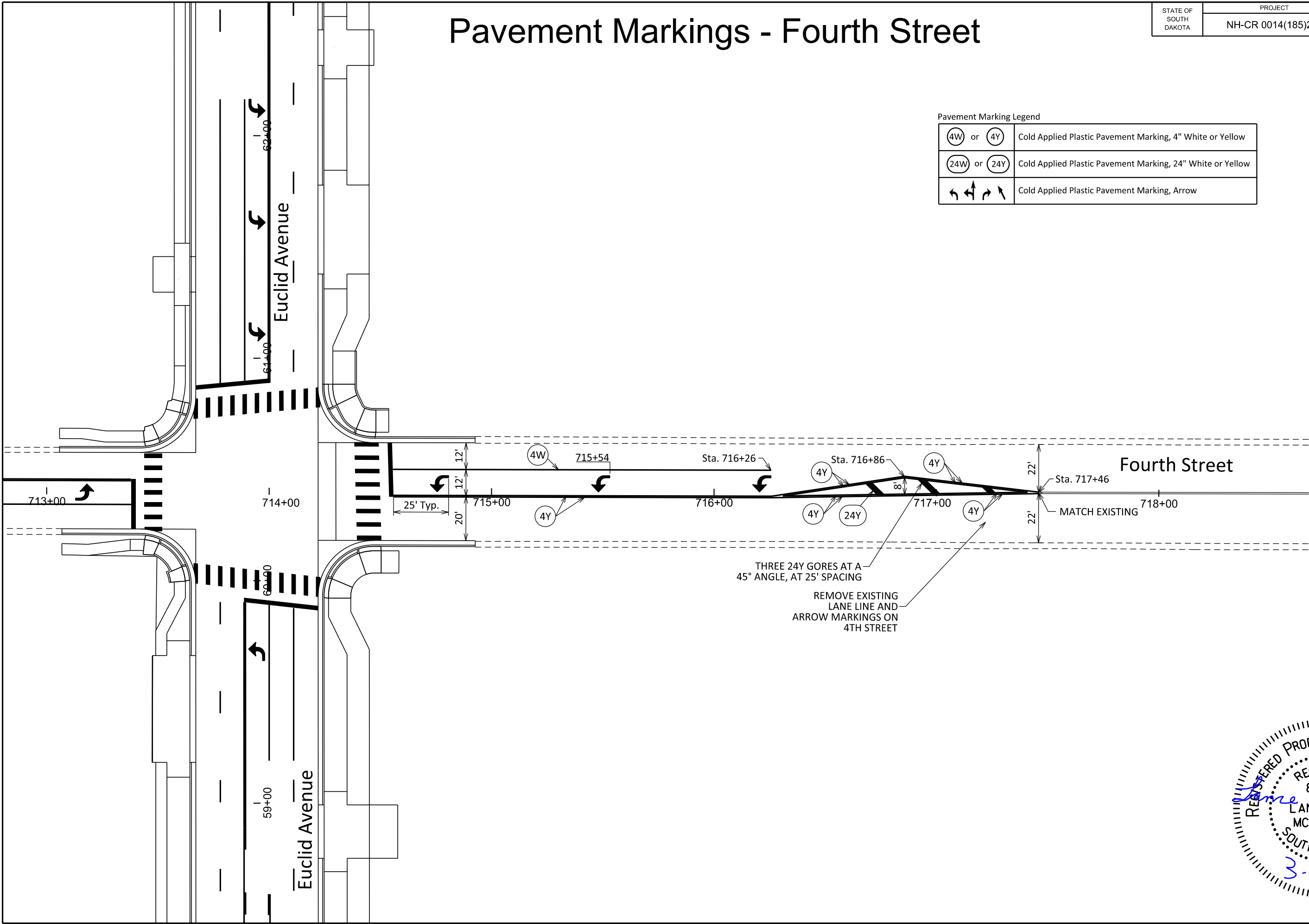


# Pavement Markings - Fourth Street

STATE OF SOUTH DAKOTA	PROJECT NH-CR 0014(185)229	SHEET M17	TOTAL SHEETS M18
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Pavement Marking Legend	
(4W) or (4Y)	Cold Applied Plastic Pavement Marking, 4" White or Yellow
(24W) or (24Y)	Cold Applied Plastic Pavement Marking, 24" White or Yellow
↩ ↪ ↴ ↵	Cold Applied Plastic Pavement Marking, Arrow



Plotting Date: 3/12/2024

