

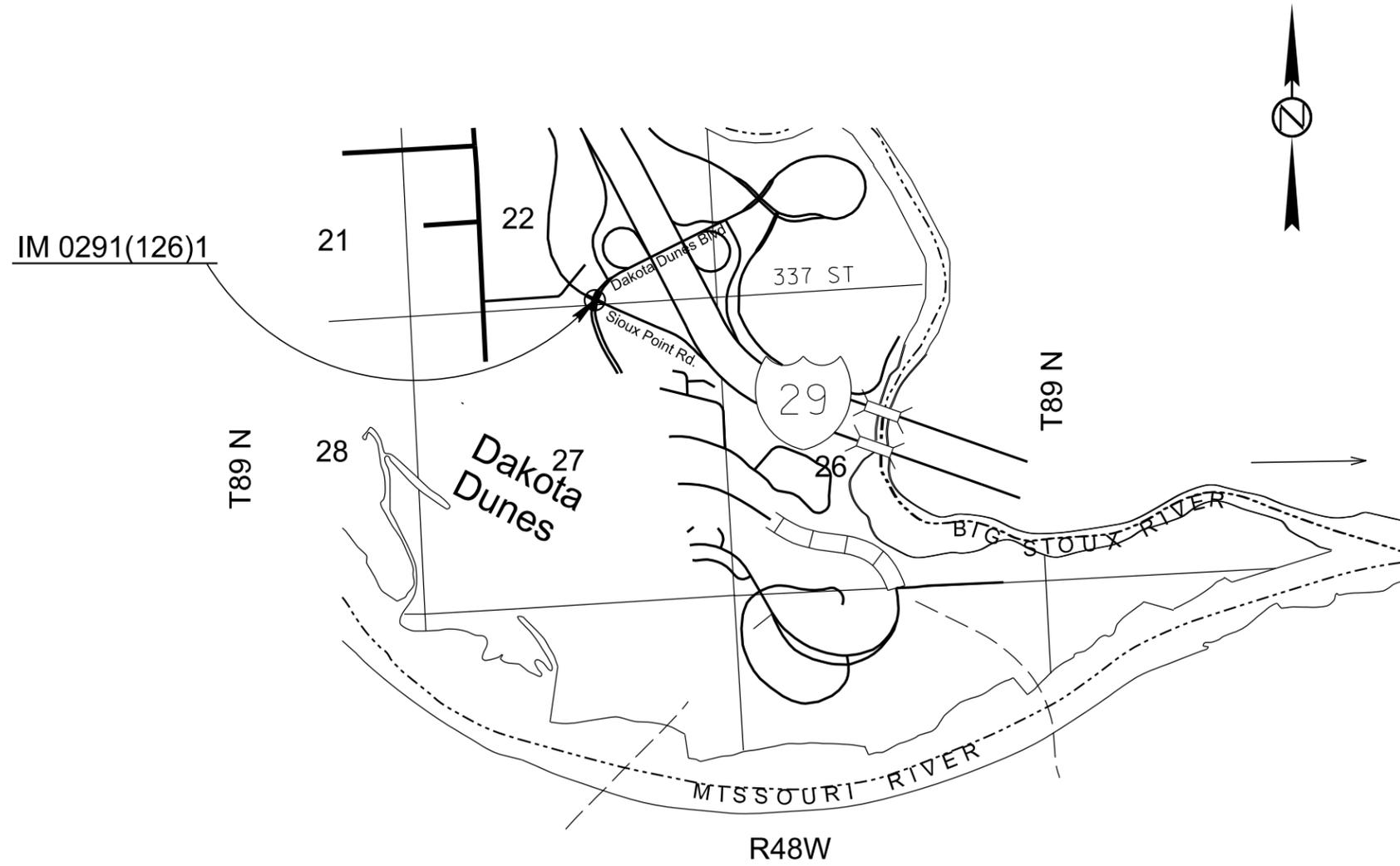
Section M: Pavement Marking Plans

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0291(126)1	M1	M6

Plotting Date: 07/31/2015

INDEX OF SHEETS

M1	General Layout W/ Index
M2	Estimate With General Notes & Tables
M3-M5	Pavement Marking Layouts
M6	Standard Plate



Plot Scale - 1:200

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SECTION M ESTIMATE OF QUANTITIES

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
633E0010	Cold Applied Plastic Pavement Marking, 4"	2,880	Ft
633E0020	Cold Applied Plastic Pavement Marking, 8"	860	Ft
633E0030	Cold Applied Plastic Pavement Marking, 24"	525	Ft
633E0040	Cold Applied Plastic Pavement Marking, Arrow	15	Each
633E0050	Cold Applied Plastic Pavement Marking, Message	4	Word
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	2,880	Ft
633E5005	Grooving for Cold Applied Plastic Pavement Marking, 8"	860	Ft
633E5015	Grooving for Cold Applied Plastic Pavement Marking, 24"	525	Ft
633E5025	Grooving for Cold Applied Plastic Pavement Marking, Arrow	15	Each
633E5035	Grooving for Cold Applied Plastic Pavement Marking, Message	4	Word
634E0560	Remove Pavement Marking, 4" or Equivalent	2,950	Ft
634E0565	Remove Pavement Marking, Arrow	12	Each
634E0570	Remove Pavement Marking, Message	12	Word

COLD APPLIED PLASTIC PAVEMENT MARKING

All materials shall be applied as per manufacturer's recommendations.

Cold Applied Plastic Pavement Markings shall be 3M Series 380 AW or approved equal.

GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING

The Contractor shall establish a positive means for the removal of the grinding and/or grooving residue. Residue from dry grooving shall be vacuumed. Solid residue shall be removed from the pavement surfaces before being blown by traffic action or wind. Residue from wet grooving shall 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, shall be disposed of in a manner that will prevent it from reaching any waterway in a concentrated state. All costs for removal of grinding and/or grooving residue shall be included in the contract unit price per foot for Grooving for Cold Applied Plastic Pavement Marking.

REMOVE PAVEMENT MARKING, 4" OR EQUIVALENT

Markings that fall outside of the new groove shall be obliterated using additional methods approved by the Engineer. Removal of the existing markings shall be accomplished without causing damage to the pavement, pavement joints, or joint sealant. The Contractor shall 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 shall be incidental to the contract unit price per foot for Remove Pavement Marking, 4" or Equivalent.

PAVEMENT MARKING LAYOUT

DAKOTA DUNES BOULEVARD & SIOUX POINT ROAD

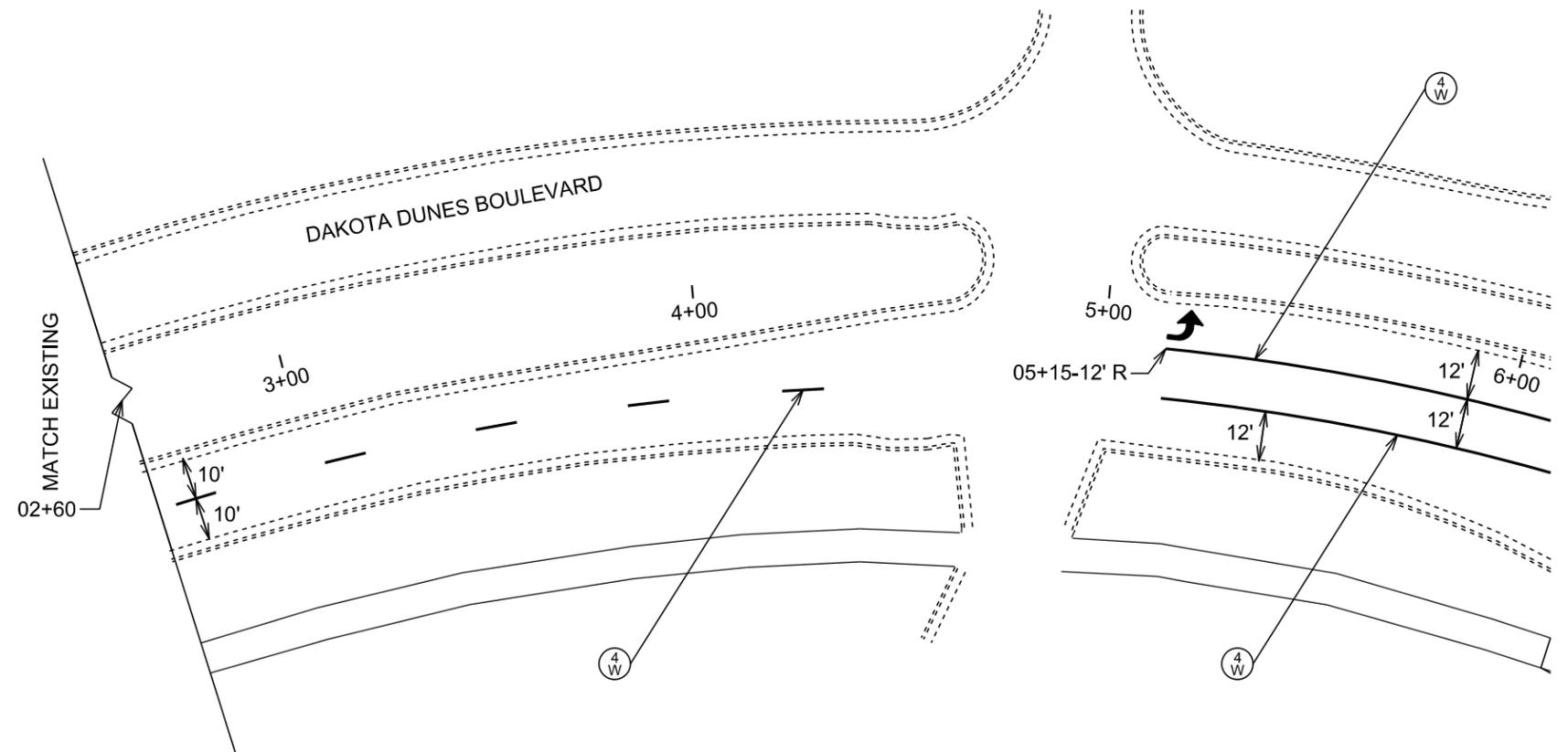
STATE OF SOUTH DAKOTA	PROJECT IM 0291(126)1	SHEET M3	TOTAL SHEETS M6
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Plotting Date: 07/31/2015

SCALE
1" = 40'



ESTIMATE OF QUANTITIES			
KEY	ITEM	EST QUANT	UNIT
	REMOVE PAVEMENT MARKINGS, 4" OR EQUIVALENT	2,950	FT
	REMOVE PAVEMENT MARKINGS, ARROW	12	EACH
	REMOVE PAVEMENT MARKINGS, MESSAGE	12	FT
(4 W)	COLD APPLIED PLASTIC PAVEMENT MARKING, 4" WHITE	1,090	FT
(4 Y)	COLD APPLIED PLASTIC PAVEMENT MARKING, 4" YELLOW	1,790	FT
(8 W)	COLD APPLIED PLASTIC PAVEMENT MARKING, 8" WHITE	860	FT
(24 W)	COLD APPLIED PLASTIC PAVEMENT MARKING, 24" WHITE	420	FT
(24 Y)	COLD APPLIED PLASTIC PAVEMENT MARKING, 24" YELLOW	105	FT
↩	COLD APPLIED PLASTIC PAVEMENT MARKING, ARROW (LEFT - 8 / RIGHT - 7)	15	EACH
ONLY	COLD APPLIED PLASTIC PAVEMENT MARKING, MESSAGE	4	EACH
	GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING, 4"	2,880	FT
	GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING, 8"	860	FT
	GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING, 24"	525	FT
	GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING, ARROW (LEFT - 8 / RIGHT - 7)	15	EACH
	GROOVING FOR COLD APPLIED PLASTIC PAVEMENT MARKING, MESSAGE	4	EACH



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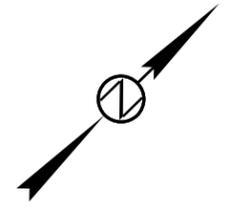
PAVEMENT MARKING LAYOUT

DAKOTA DUNES BOULEVARD & SIOUX POINT ROAD

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	IM 0291(126)1	M4	M6

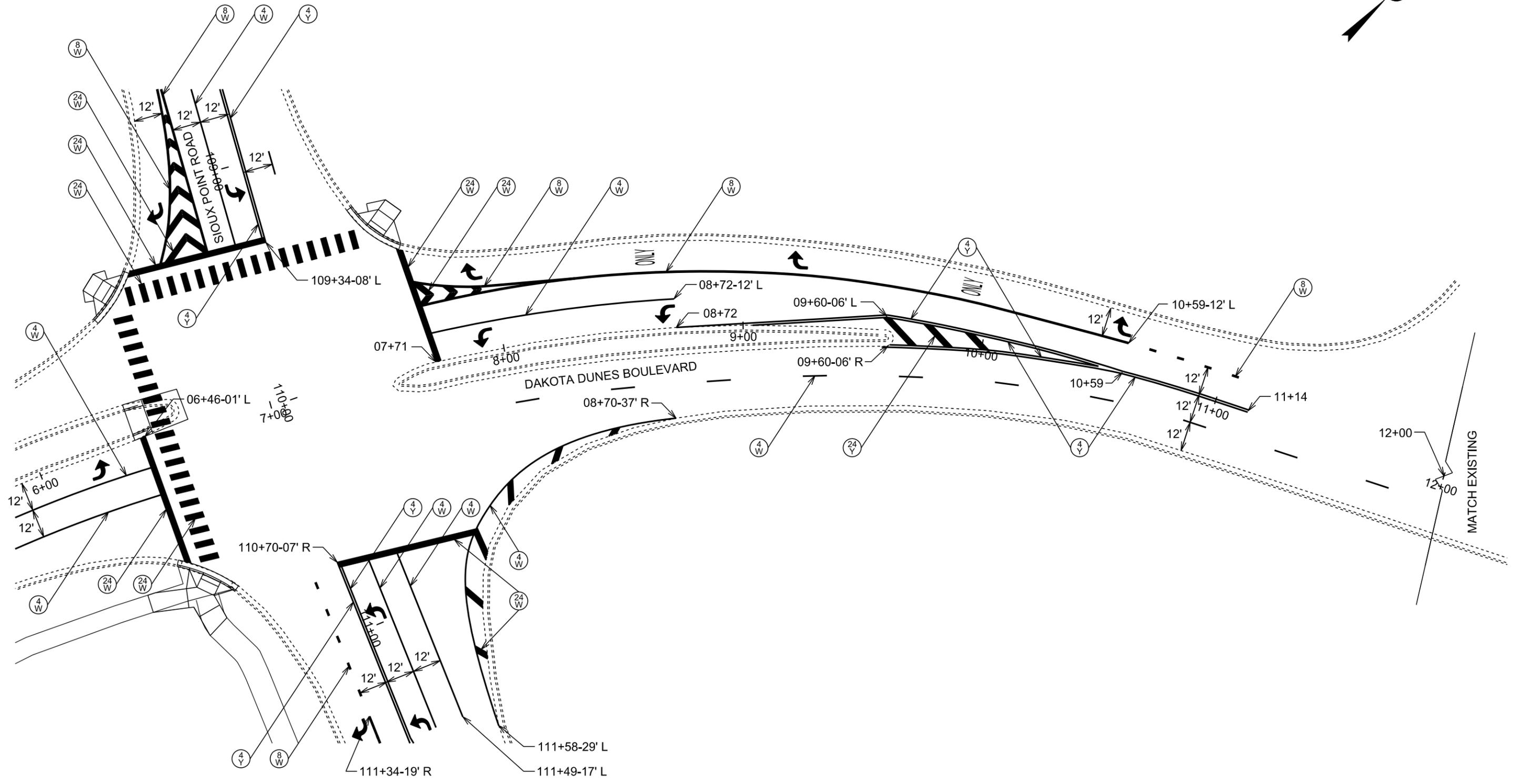
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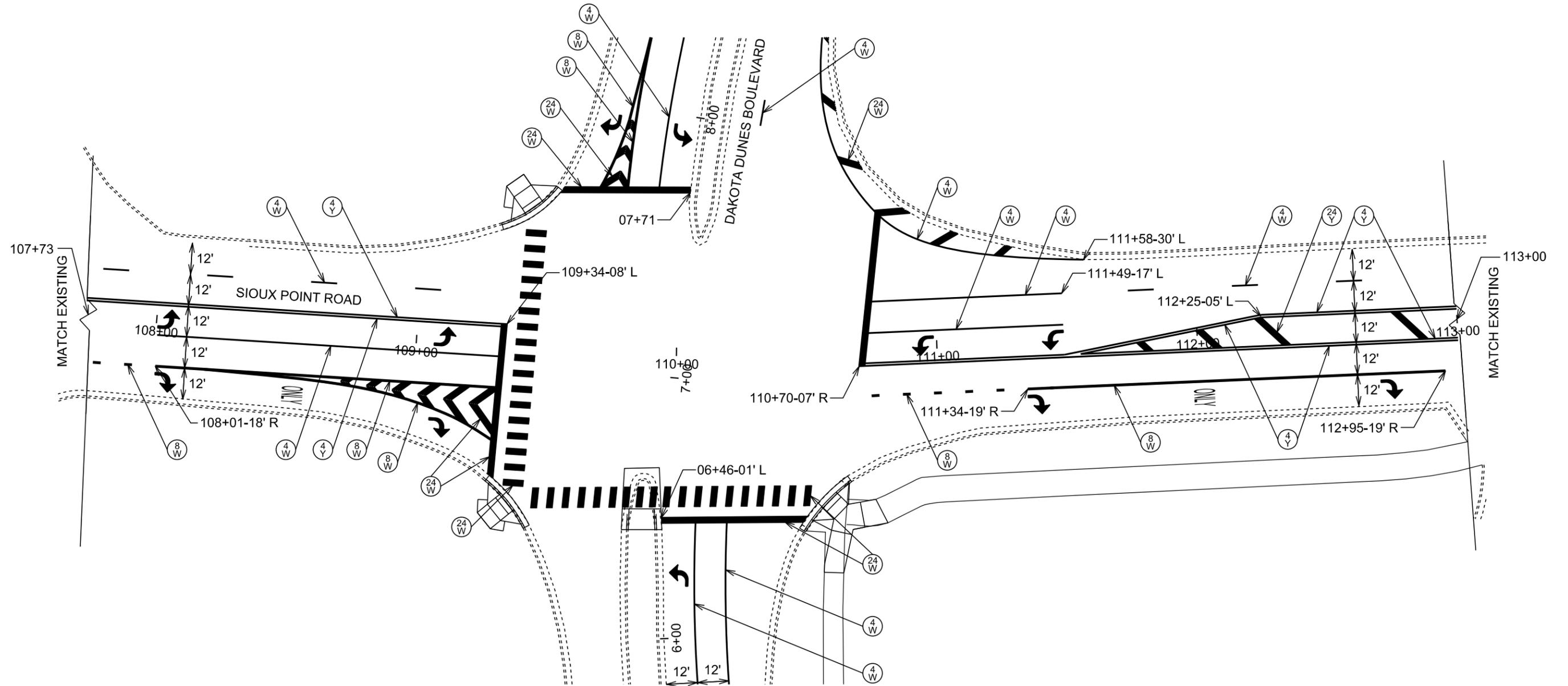
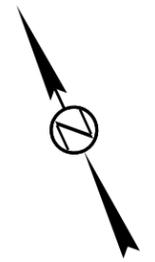
PAVEMENT MARKING LAYOUT

DAKOTA DUNES BOULEVARD & SIOUX POINT ROAD

STATE OF SOUTH DAKOTA	PROJECT IM 0291(126)1	SHEET M5	TOTAL SHEETS M6
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Plotting Date: 07/31/2015

SCALE
1" = 40'



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