

MAINTENANCE NO.	SHEET NO.
AFE-E004	1
▲ CONTRACT ID.	M5071
▲ CONTRACT ID.	
■ CONTRACT ID.	

REVISED SHEET  
10 FEB 2014

THE 2007 EDITION OF THE NEBRASKA STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS APPLY TO THIS PROJECT.

THE WORK ON THIS PROJECT CONSISTS OF GROUPS

8-SPECIALTY

▲ GROUPS 8 ARE INCLUDED IN THE LETTING OF AUGUST 15, 2013
▲ GROUPS 8 ARE INCLUDED IN THE LETTING OF APRIL 17, 2014
■ GROUPS ARE INCLUDED IN THE LETTING OF

WITHDRAWN

DESIGN DESIGNATION
MAINTENANCE
TRAFFIC
YEAR: 2010
ADT: 3,135

# STATE OF NEBRASKA DEPARTMENT OF ROADS PLANS FOR CONSTRUCTION HWY. N-71 SOUTH OF KIMBALL KIMBALL COUNTY

## INDEX OF SHEETS

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3	PLAN SHEET
4	PAVEMENT MARKING PLAN--HWY. N-71 SOUTH OF KIMBALL
5	TYPICAL PAVEMENT MARKING PLAN--5" PAVEMENT MARKING

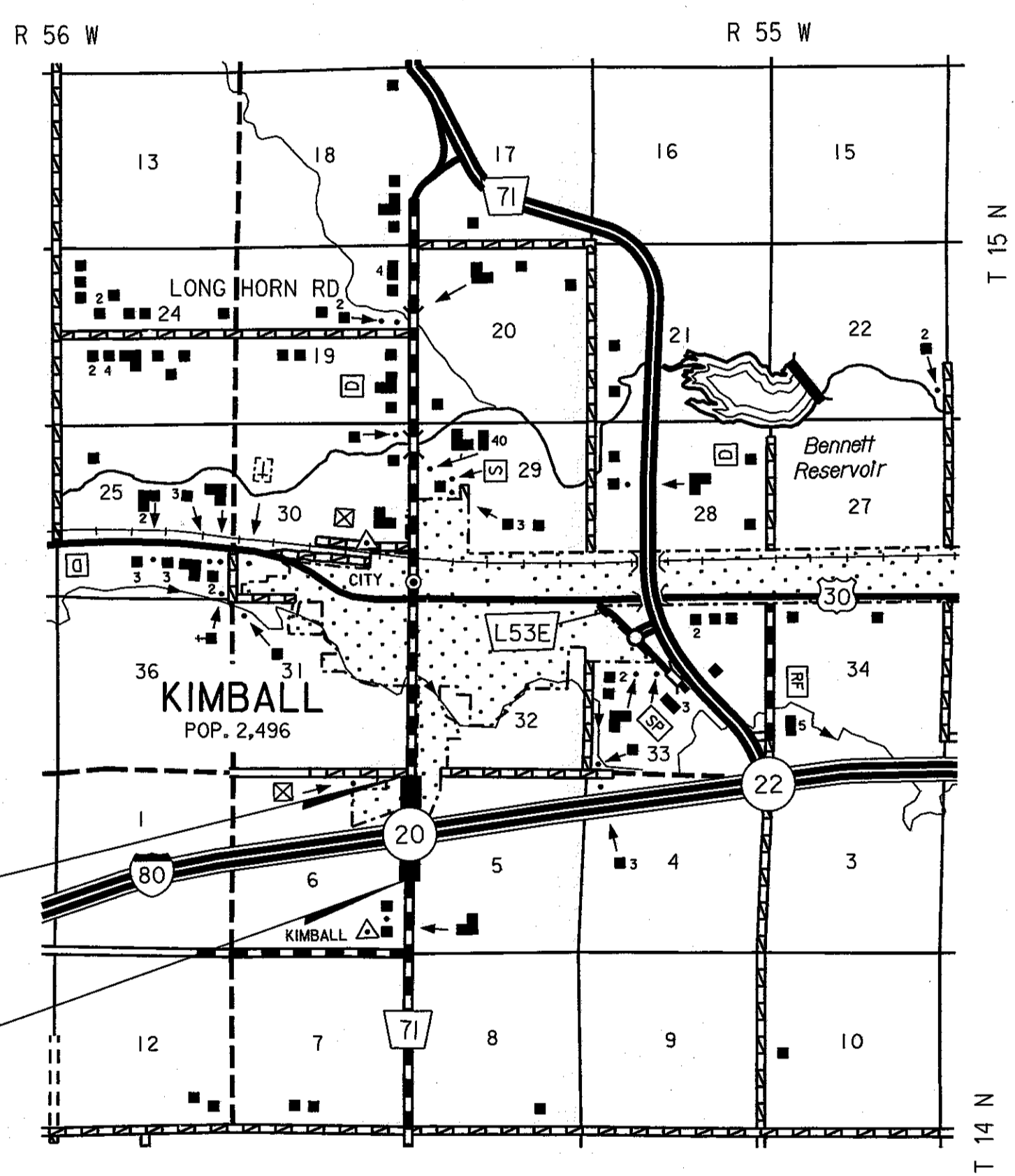
### STANDARD PLANS

920-R5	(2 SHEETS) TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE
924	(3 SHEETS) TYPICAL URBAN TRAFFIC CONTROL PLAN

## SUMMARY OF QUANTITIES

### SPECIALTY ITEMS GROUP 8

ITEM	QUANTITY	UNITS
BARRICADE, TYPE II	500.000	BDAY
TEMPORARY SIGN DAY	20.000	EACH
SIGN DAY	90.000	EACH
FLAGGING	20.000	DAY
MOBILIZATION	1.000	LS
DIAMOND GRINDING AND TEXTURING CONCRETE PAVEMENT	14,064.000	SY
SEALING CRACKS	500.000	LF
SEALING JOINTS	11,083.000	LF
SEALING CONCRETE REPAIR JOINT	1,834.000	LF
PORTLAND CEMENT CONCRETE SMOOTHNESS TESTING	1.000	LS
5" WHITE WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED	1,796.000	LF
12" WHITE WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED	85.000	LF
12" YELLOW WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED	200.000	LF
5" YELLOW WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED	3,310.000	LF



### CONVENTIONAL SIGNS

FENCE R.O.W. OR WIRE	---
GUARDRAIL	=====
TRAVELED WAY	=====
DIKE	=====
CULVERT	-----
POWER POLE	+
TELEPHONE POLE	o
MAILBOX	o
RAILROAD TRACKS	=====
MARSH	=====
TREE - CONIFEROUS	o
TREE - DECIDUOUS	o

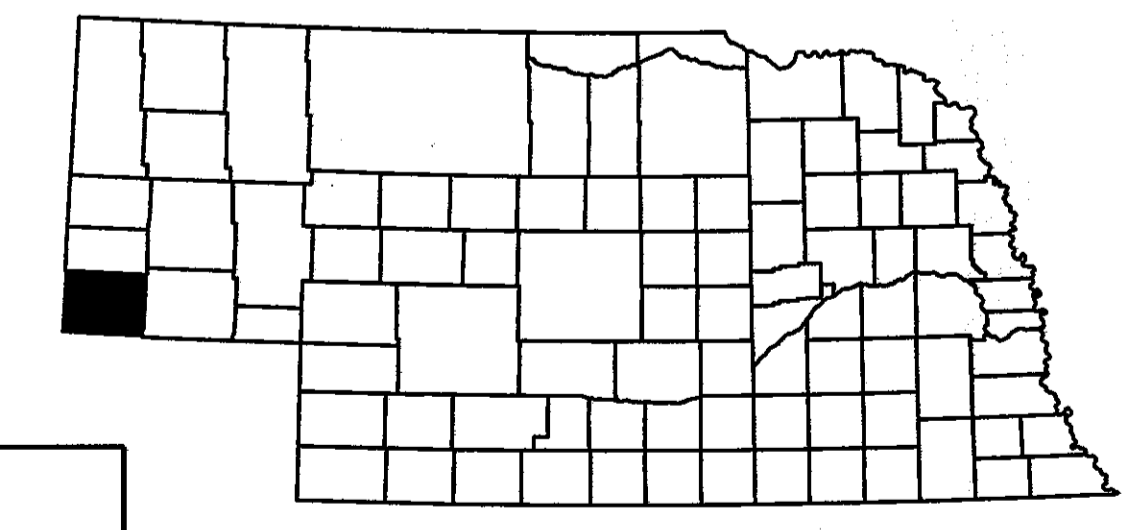
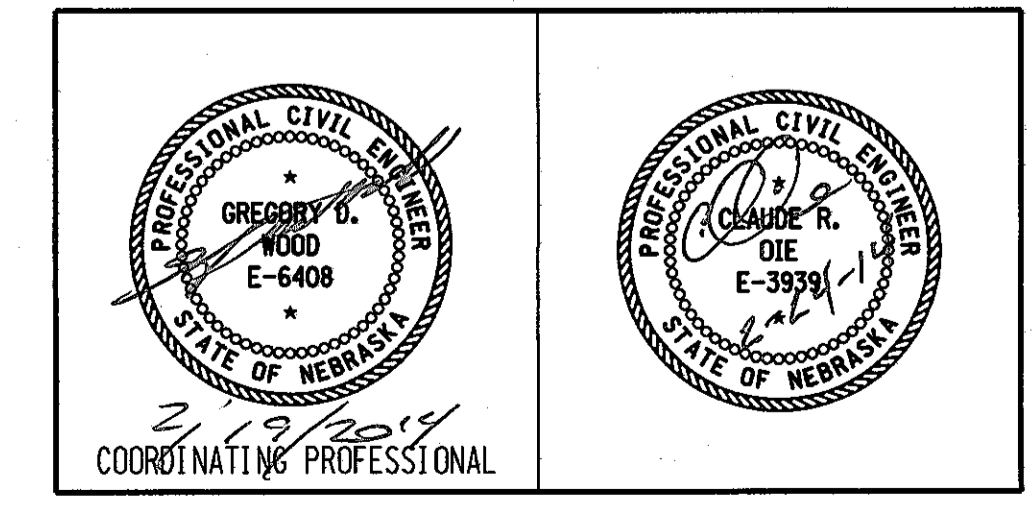
### R.O.W. LEGEND

NEW CONTROLLED ACCESS	=====
PREVIOUS CONTROLLED ACCESS	=====
LIMITS OF CONSTRUCTION	=====
PREVIOUS R.O.W.	=====
NEW R.O.W.	=====
EXISTING PERMANENT EASEMENT	=====
TEMPORARY EASEMENT	=====
EXCESS TAKING	=====
PERMANENT EASEMENT	=====
EXISTING RAILROAD EASEMENT	=====
NEW RAILROAD PERMANENT EASEMENT	=====
NEW RAILROAD TEMPORARY EASEMENT	=====

REFERENCE POST NO. 14+97 TO REFERENCE POST NO. 15+54

EXCEPTIONS: FROM STA. TO STA.

TOTAL NET LENGTH OF PROJECT: 3,067.0 FEET 0.581 MILES



CONSTRUCTION DIVISION

Computer: DRCONSTRUCT10

User: dor17005

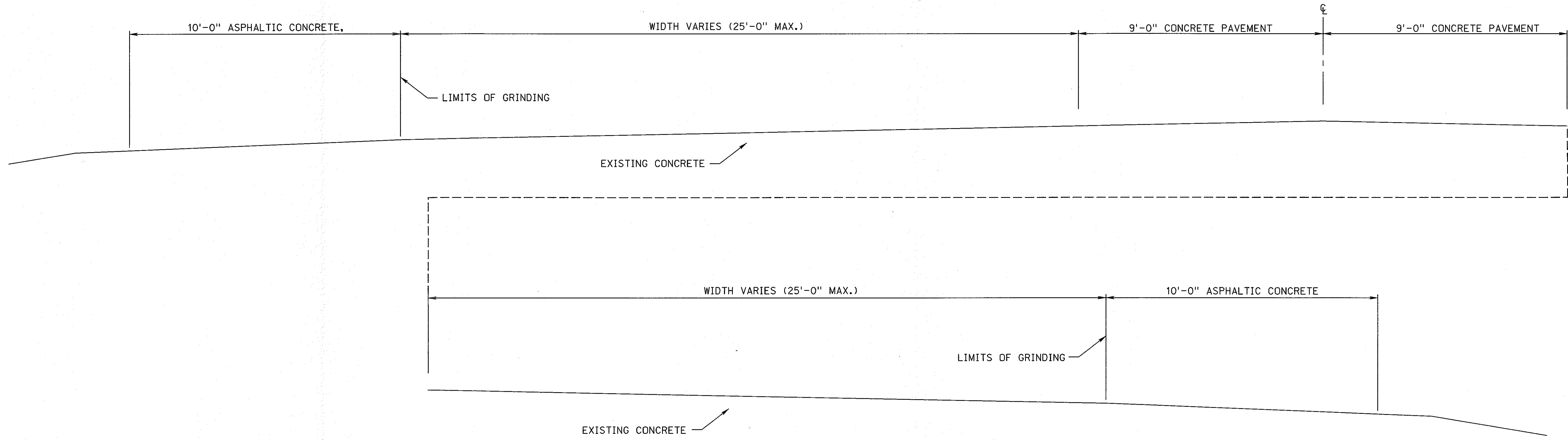
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# TYPICAL CROSS SECTIONS

MAINTENANCE NO. SHEET NO.  
AFE-E004 2-T1  
CONTRACT ID. M5071

REVISED SHEET  
10 FEB 14



HWY. N-71  
STA. 19+33 TO STA. 49+75

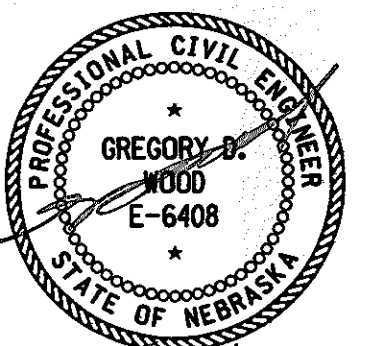
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SHEET 2 OF 2

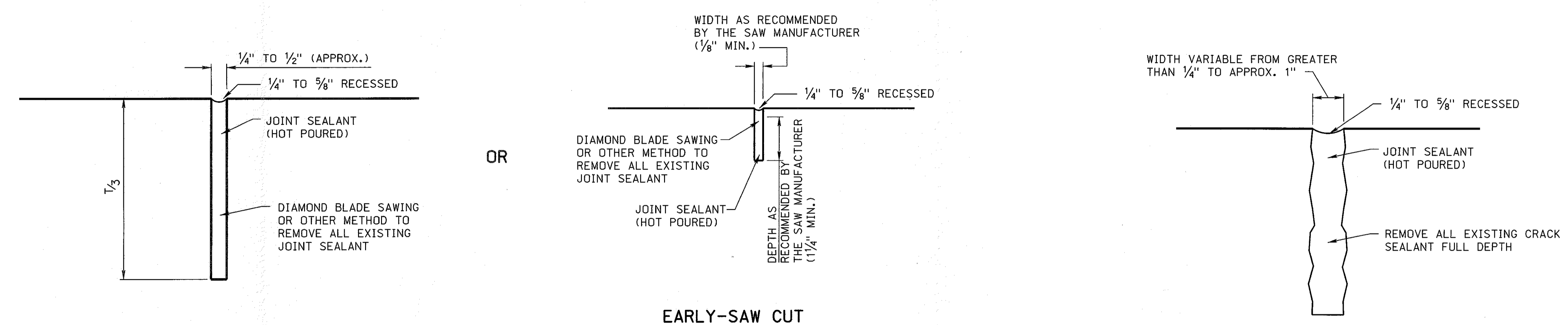


2/19/2014

# TYPICAL CROSS SECTIONS

MAINTENANCE NO.	SHEET NO.
AFE-E004	2-T2
CONTRACT ID. M5071	

(R1) ADDED SHEET  
10 FEB 14



TRANSVERSE AND LONGITUDINAL JOINT DETAILS  
"T" = 8"

DETAIL OF TYPICAL TRANSVERSE AND LONGITUDINAL CRACK

ROADWAY DESIGN DIVISION

Computer: DRDESIGN173

User: dor13182

Date: 11-FEB-2014 09:24

File: m5071.dgn  
Scale: 1:100

PROFESSIONAL CIVIL ENGINEER  
GREGORY D. WOOD  
E-6408  
STATE OF NEBRASKA  
2/12/2014

# GENERAL INFORMATION

MAINTENANCE NO. AFE-E004	SHEET NO. 2-N
CONTRACT ID. M5071	

(R1) REVISED SHEET  
10 FEB 14

### NOTES

The locations of all aerial and underground utility facilities may not be indicated in these plans. Underground utilities, whether indicated or not will be located and flagged by the Utilities at the request of the Contractor.

No excavation will be permitted in the area of underground utility facilities until all such facilities have been located and identified to the satisfaction of all parties. The excavation must be accomplished with extreme care in order to avoid any possibility of damage to the utility facility.

- The Contractor will not be required to furnish Borrow on this Project.
- The Contractor will be required to furnish Waste Areas for Excess Excavation on this Project

DIAMOND GRINDING AND TEXTURING CONCRETE PAVEMENT							
STATION	TO	STATION	LENGTH (FT.)	WIDTH (FT.)	RIGHT	LEFT	SQUARE YARDS
19+33	-	23+00	367	-	18.5	18.5	1509
23+00	-	44+00	2100	-	23	23	10733
44+00	-	46+00	200	-	18.5	18.5	822
46+00	-	49+75	375	24	-	-	1000

SEALING JOINTS			
STATION	TO	STATION	FT.
19+33	-	49+75	11,083

SEALING CONCRETE REPAIR JOINTS			
STATION	TO	STATION	FT.
19+33	-	49+75	1,834

SEALING CRACKS			
STATION	TO	STATION	FT.
19+33	-	49+75	500

5" WHITE WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED			
STATION	TO	STATION	FT.
19+08	-	49+75	1,796

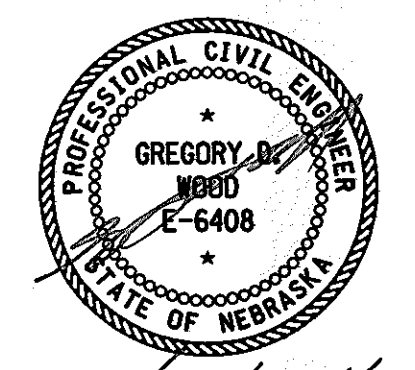
5" YELLOW WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED			
STATION	TO	STATION	FT.
19+08	-	49+75	3,310

12" YELLOW WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED			
STATION	TO	STATION	FT.
19+08	-	49+75	200

12" WHITE WET REFLECTIVE POLYUREA PAVEMENT MARKING, GROOVED			
STATION	TO	STATION	FT.
19+08	-	49+75	85

### LEGEND

- G --- GAS LINE
- E --- ELECTRICAL SERVICE
- P --- POWER LINE
- OP --- OVERHEAD POWER LINE
- SAN --- SANITARY SEWER
- SS --- STORM SEWER
- T --- TELEPHONE LINE
- FO --- FIBER OPTIC TELE. LINE
- OT --- OVERHEAD TELEPHONE LINE
- TV --- CABLE TV LINE
- OTV --- OVERHEAD CABLE TV LINE
- W --- WATER LINE
- O --- FENCE - CHAIN LINK
- X --- FENCE - R.O.W. OR WIRE
- □ --- FENCE - WOOD
- --- FLOWLINE
- --- CENTER LINE DRIVE
- ⊕ BENCH MARK
- ⊙ CENTER PIVOT
- ⊙ CONTROL POINT
- ⊙ GAS METER
- ⊕ GAS VALVE
- ⊕ GRID TICK
- ⊕ GUARDRAIL
- GUARD POST
- GUY POLE
- GUY WIRE
- ⊕ LIGHT POLE
- MAILBOX
- ⊙ MANHOLE
- ⊕ MARSH
- OIL WELL
- ⊕ PHOTO CODE POINT
- ⊕ POWER BOX
- ⊕ POWER POLE
- ⊕ POWER PULL BOX
- ⊕ PROPANE TANK
- ⊕ R.O.W. MARKER
- ⊕ ADVANCED R.R. WARNING SIGN
- ⊕ RAILROAD WARNING
- ⊕ RAILROAD TRACKS
- ⊕ RETAINING WALL
- ⊕ SATELLITE DISH
- ⊕ SIGN
- ⊕ TRAFFIC SIGNAL
- ⊕ TRAFFIC SIGNAL/ST. LIGHT
- ⊕ TELEPHONE BOX
- ⊕ TELE. FIBER OPTICS BOX
- ⊕ TELEPHONE PULL BOX
- ⊕ TELEPHONE POLE
- ⊕ TELEVISION BOX
- ⊕ TREE - CONIFEROUS
- ⊕ TREE - DECIDUOUS
- ⊕ TREE STUMP
- ⊕ WATER (FIRE) HYDRANT
- ⊕ WATER VALVE
- ⊕ WATER METER
- ⊕ WELL
- ⊕ WINDMILL



2/19/2014

Roadway Design Division

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(R1) REVISED SHEET  
10 FEB 14

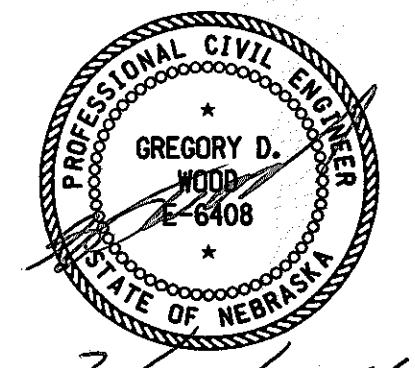
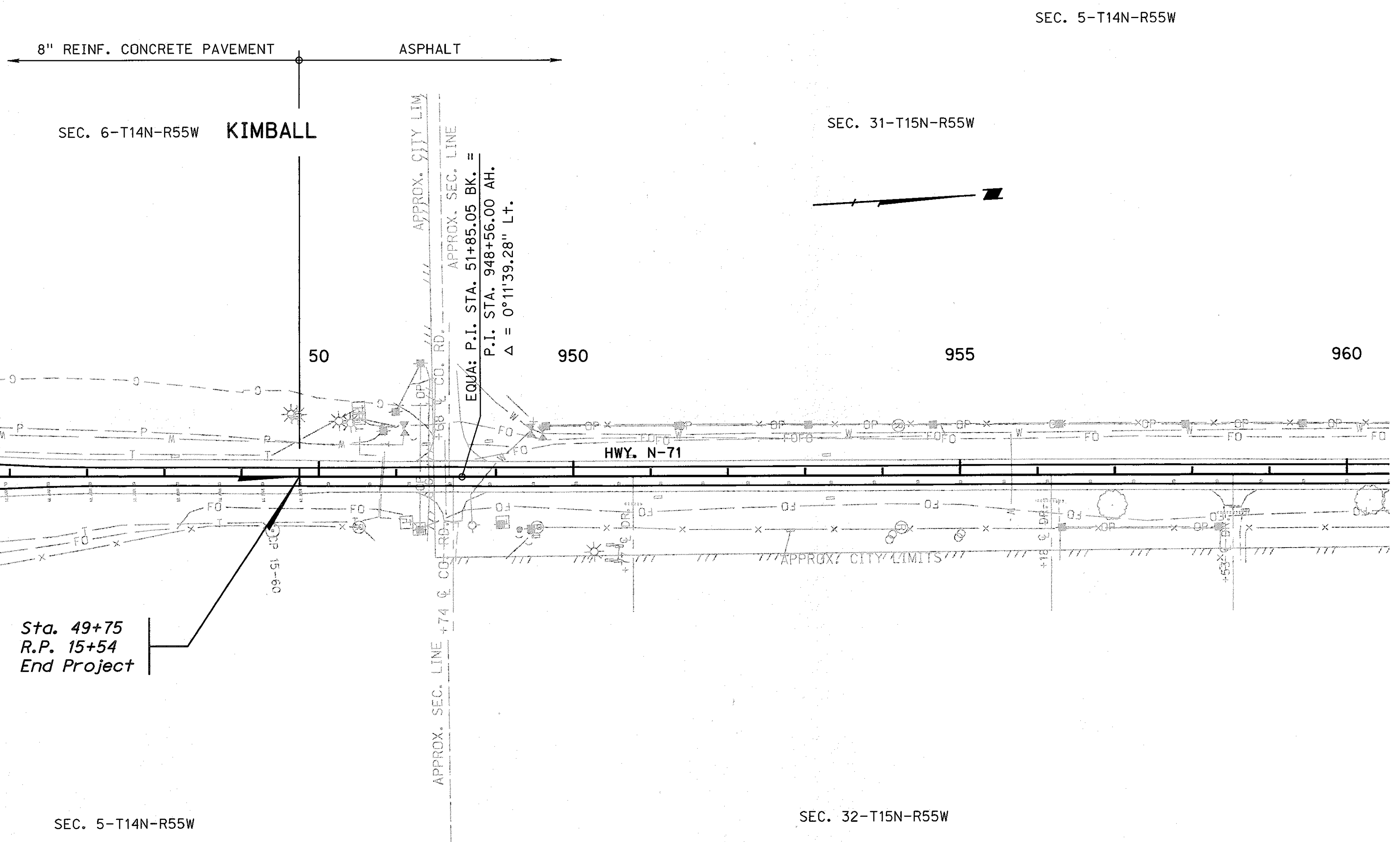
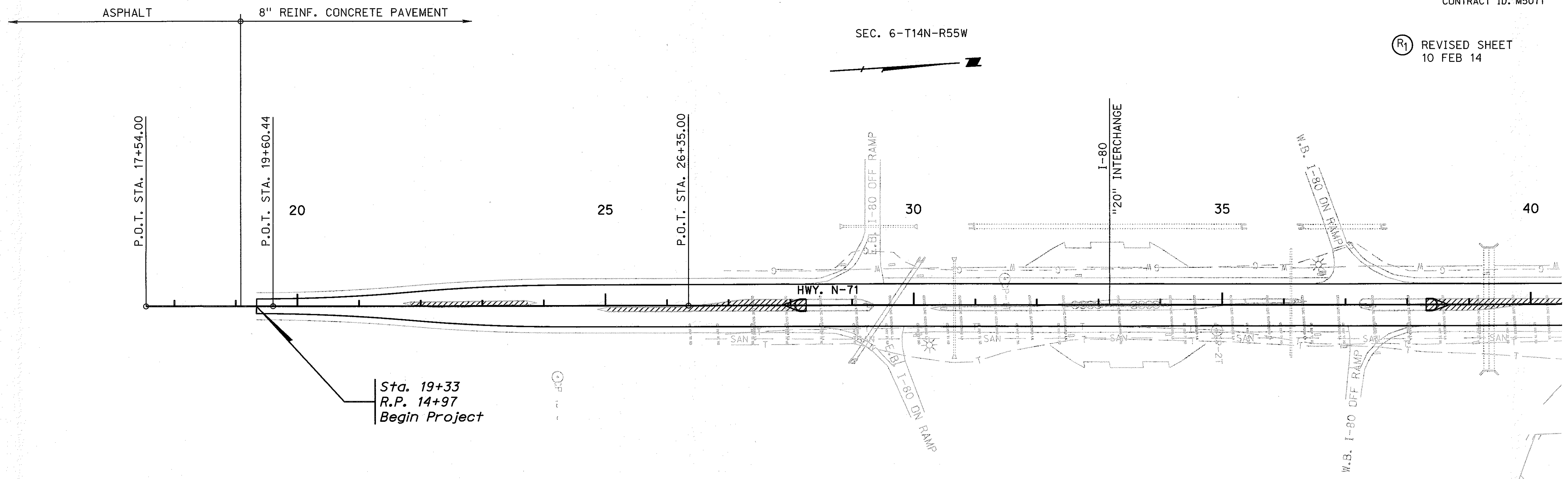
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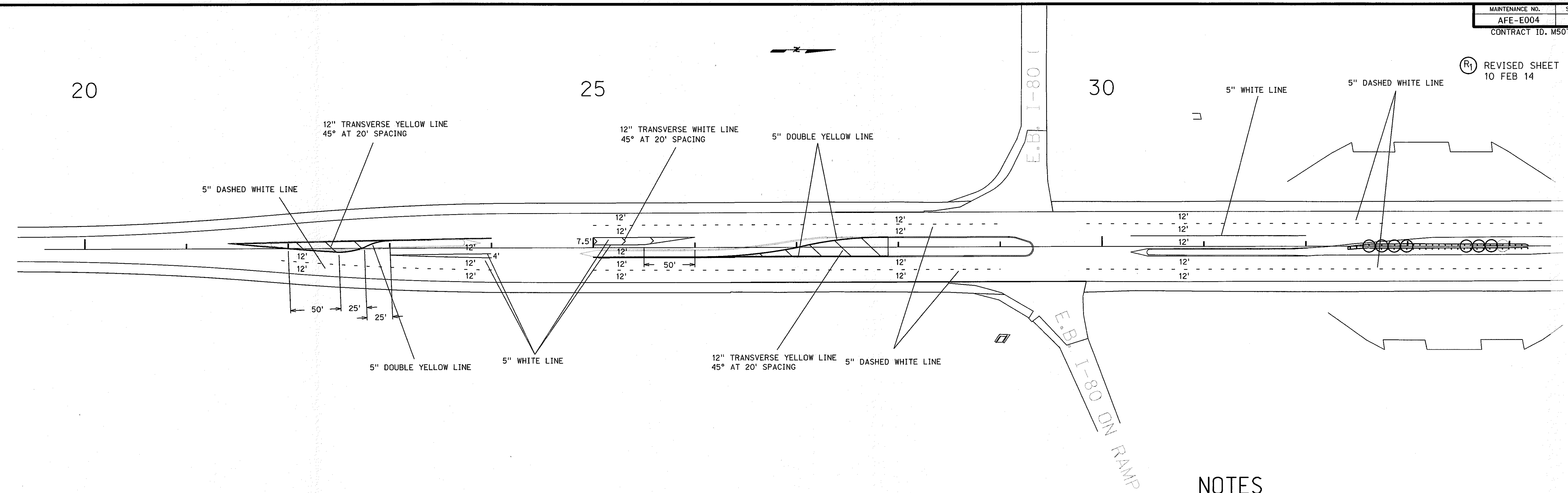
2/19/2014

REVISED SHEET  
10 FEB 14

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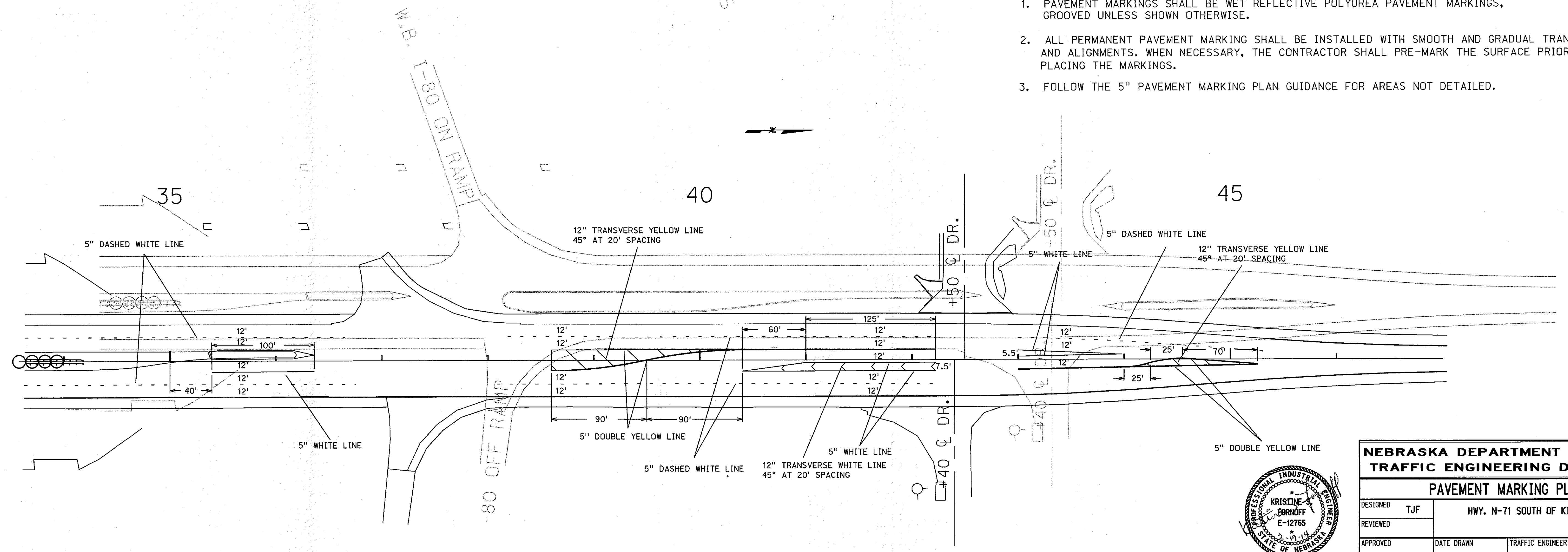
NOTES

1. PAVEMENT MARKINGS SHALL BE WET REFLECTIVE POLYUREA PAVEMENT MARKINGS, GROOVED UNLESS SHOWN OTHERWISE.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WITH SMOOTH AND GRADUAL TRANSITIONS AND ALIGNMENTS. WHEN NECESSARY, THE CONTRACTOR SHALL PRE-MARK THE SURFACE PRIOR TO PLACING THE MARKINGS.
3. FOLLOW THE 5" PAVEMENT MARKING PLAN GUIDANCE FOR AREAS NOT DETAILED.

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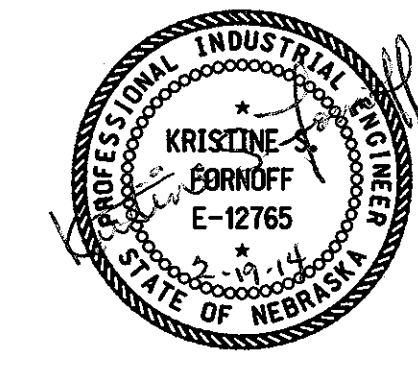
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NEBRASKA DEPARTMENT OF ROADS  
TRAFFIC ENGINEERING DIVISION

PAVEMENT MARKING PLAN

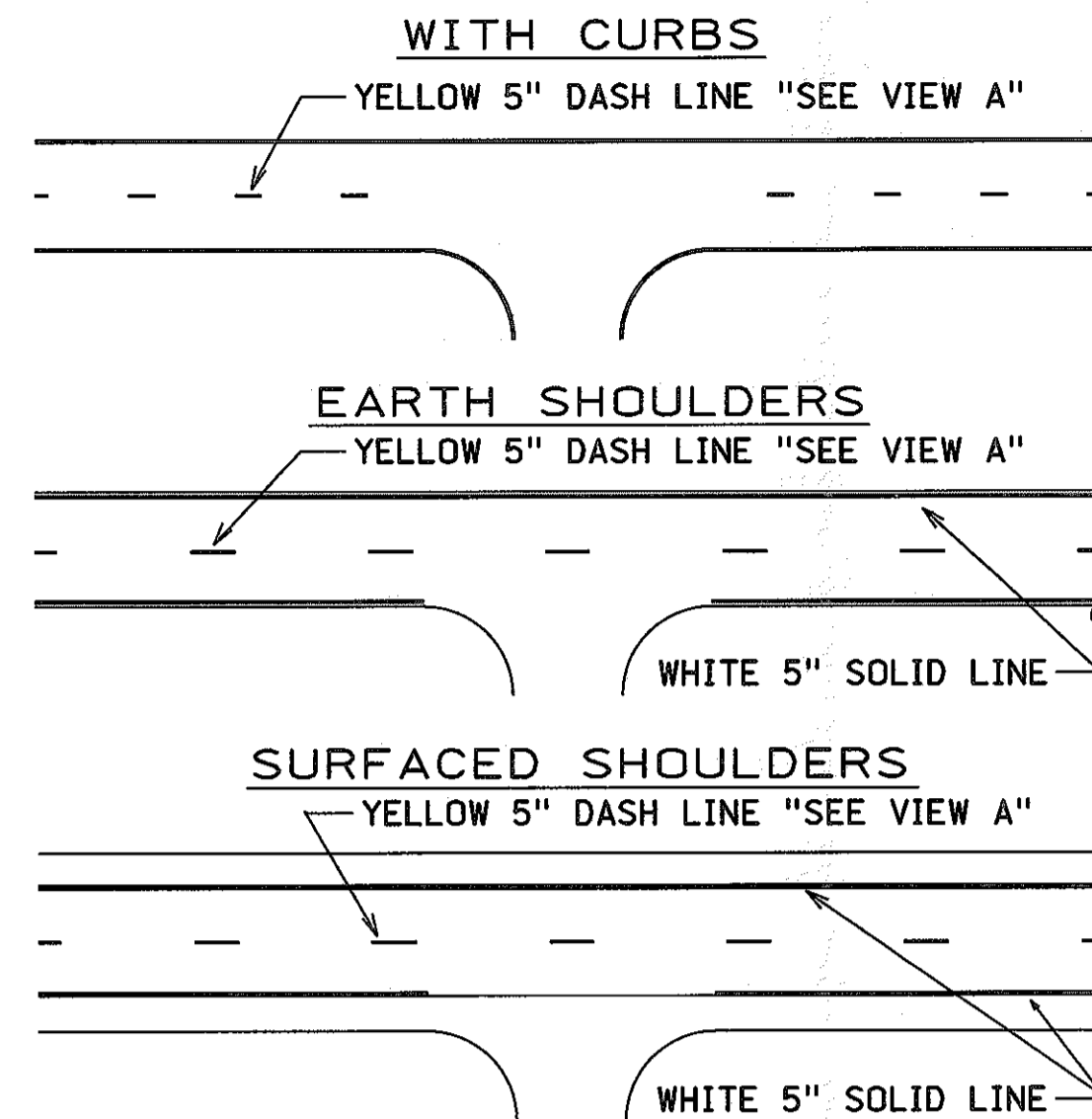
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REVIEWED			
APPROVED	DATE DRAWN	TRAFFIC ENGINEER	DATE
	05/12		



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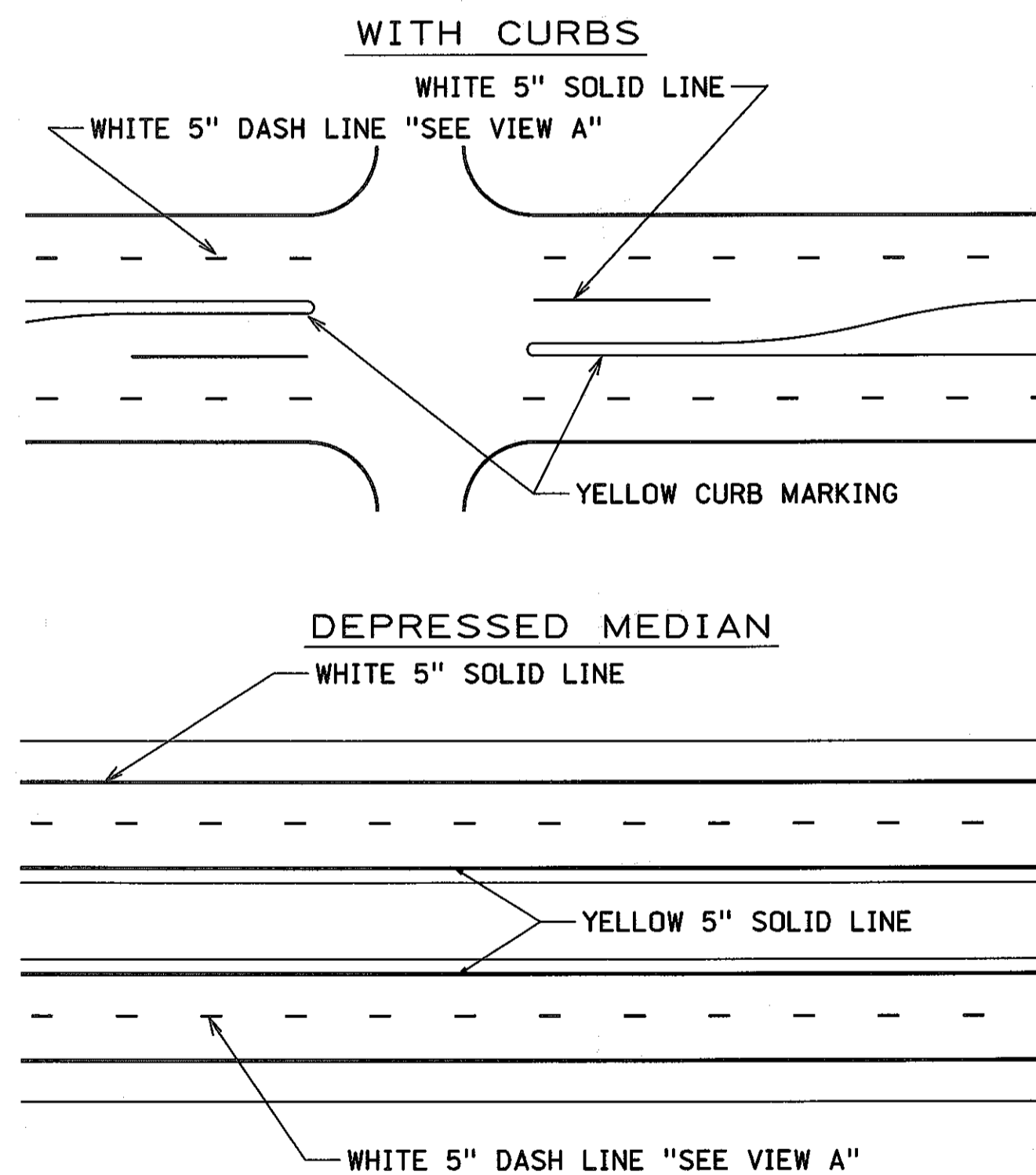
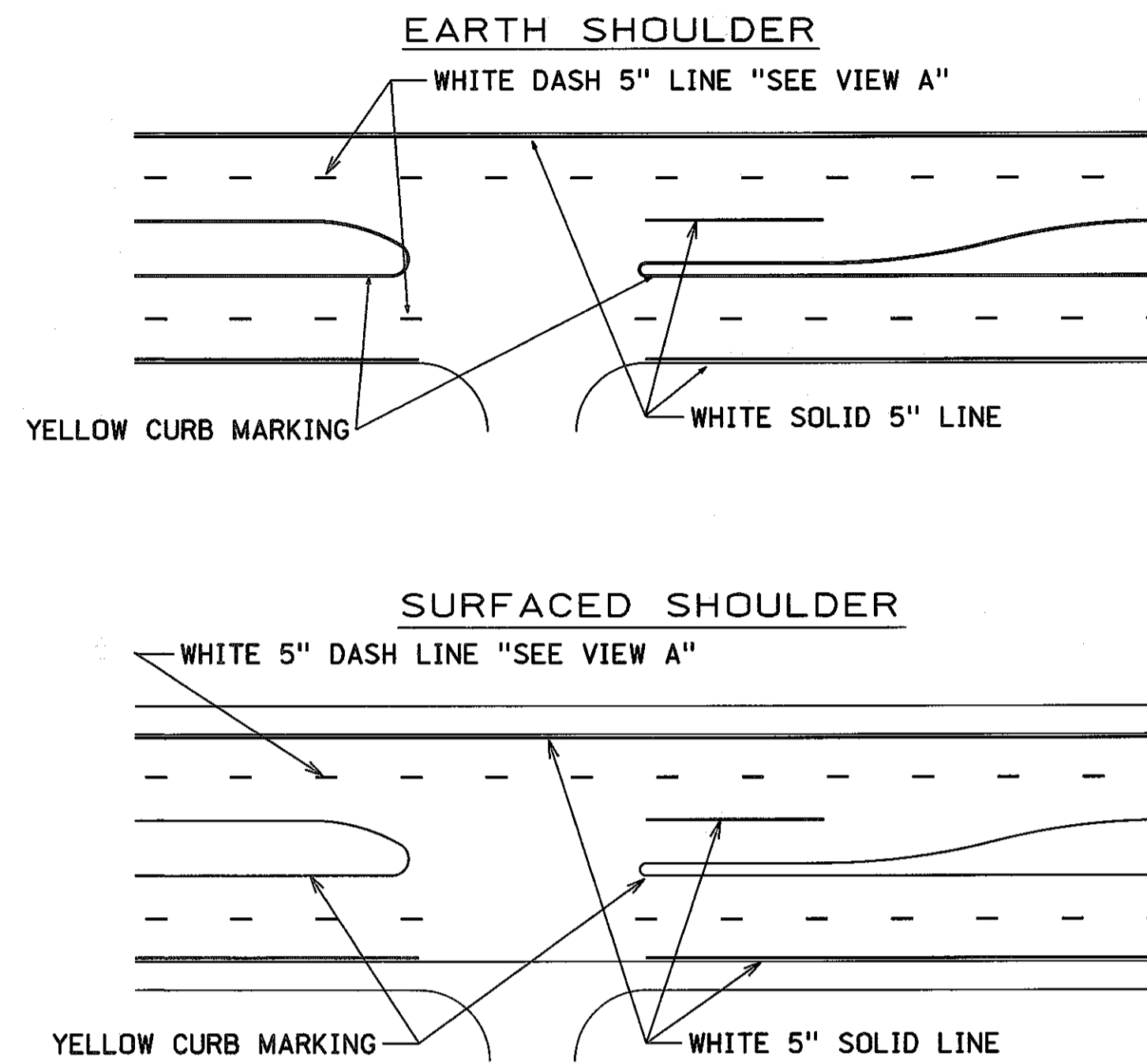
### 2 LANE ROADWAYS



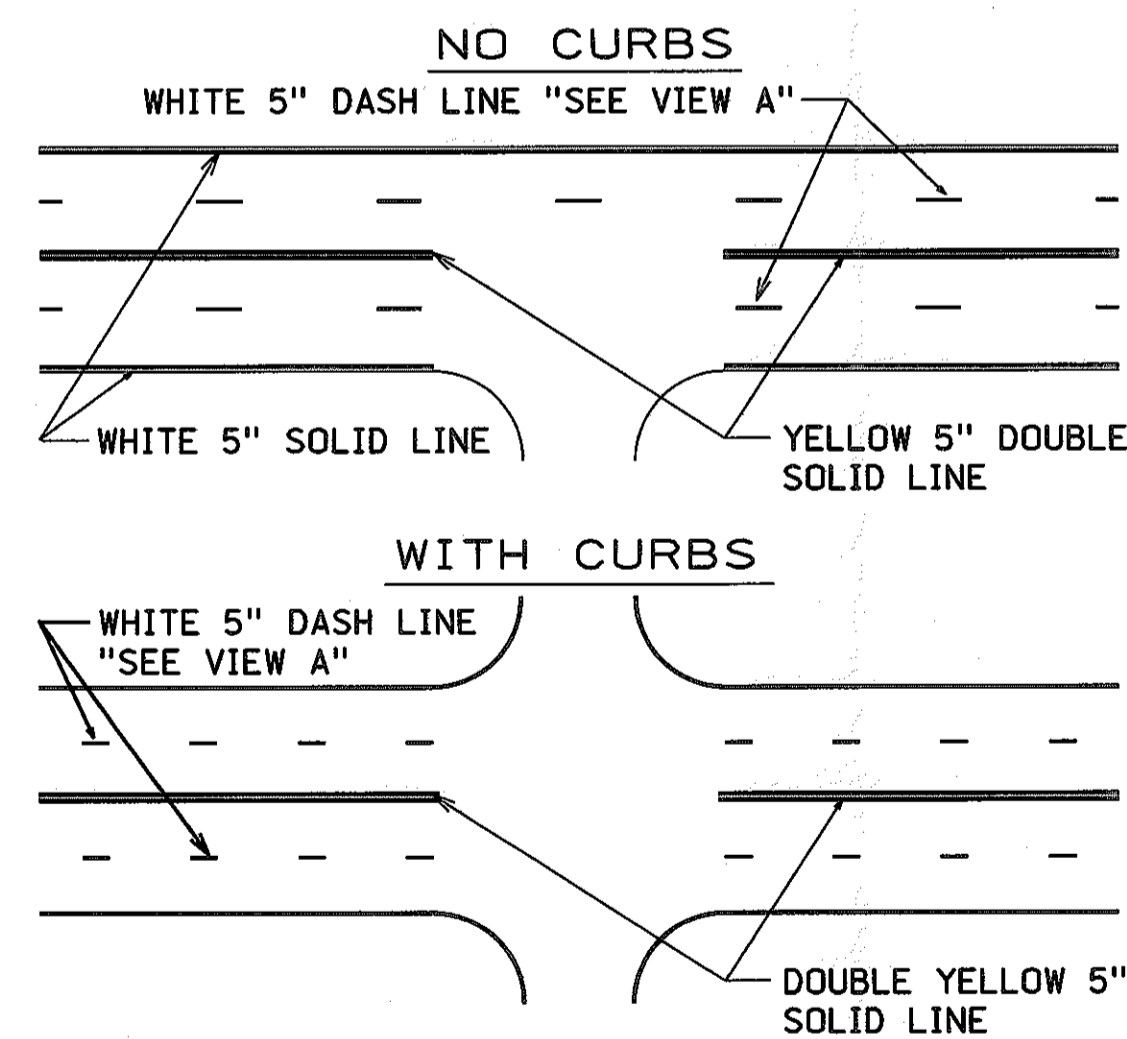
2-LANE ROADWAY REQUIRED LOCATION FOR EDGE LINES		
ROADWAY WIDTH	SHOULDER TYPE	DISTANCE FROM CENTERLINE OF ROADWAY TO OUTSIDE EDGE OF PAVEMENT EDGELINE
LESS THAN 24 FT	SURFACED	12 FT 0 IN
LESS THAN 24 FT	EARTH	PAVEMENT EDGE
24 FT	EARTH	PAVEMENT EDGE
24 FT	SURFACED	12 FT 0 IN
GREATER THAN 24 FT	EARTH	12 FT 0 IN

CENTERLINE MARKING SHALL BE PLACED ON THE "SOUTH" SIDE OF THE CENTER JOINT ON EAST-WEST ROADS AND ON THE "EAST" SIDE OF THE CENTER JOINT ON NORTH-SOUTH ROADS

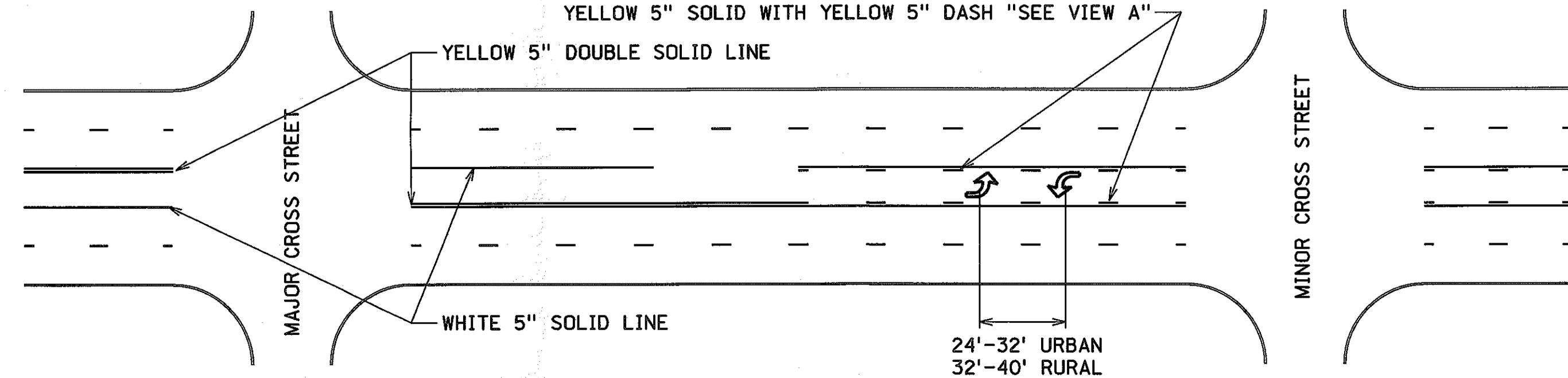
### 4 LANE DIVIDED ROADWAY



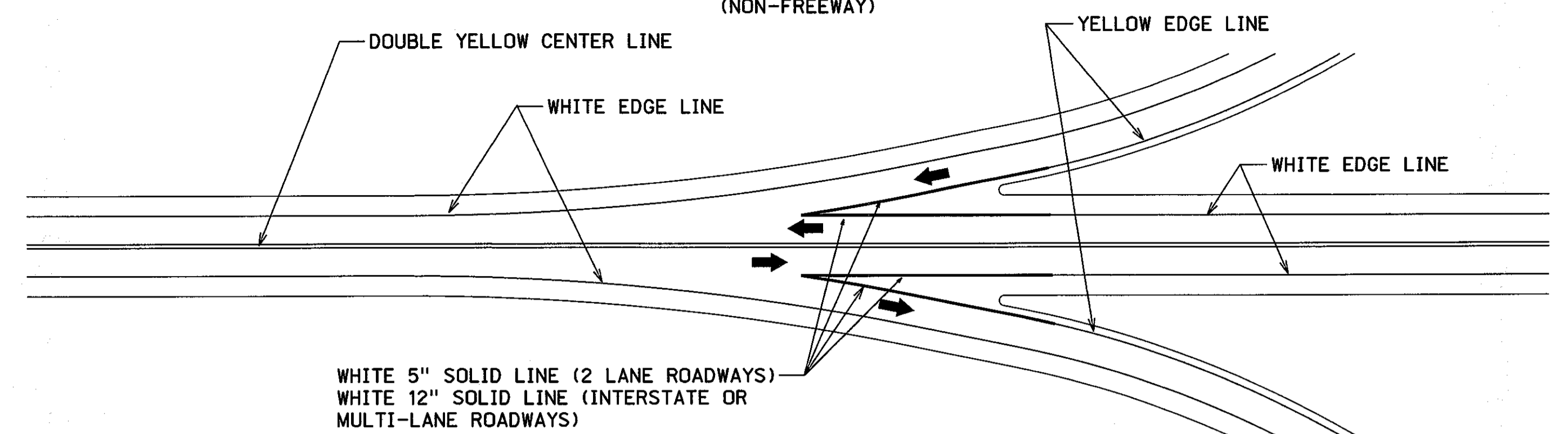
### 4 LANE ROADWAYS



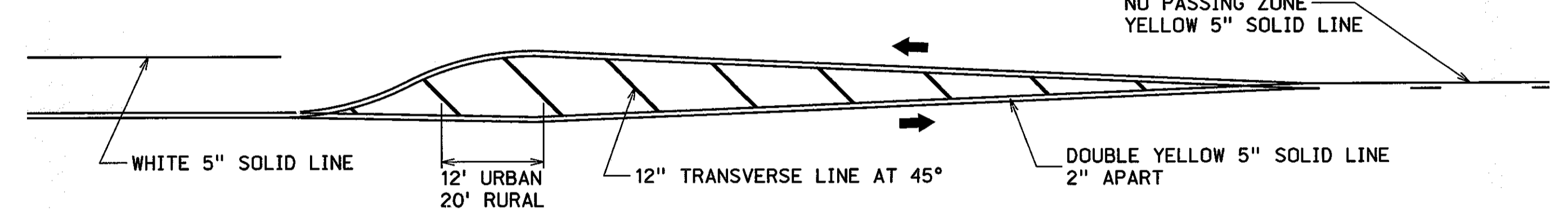
### 3 OR 5 LANE WITH COMMON LEFT TURN LANE



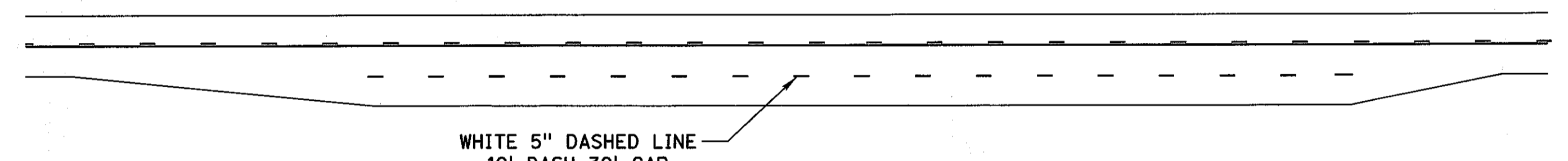
### GORE MARKINGS



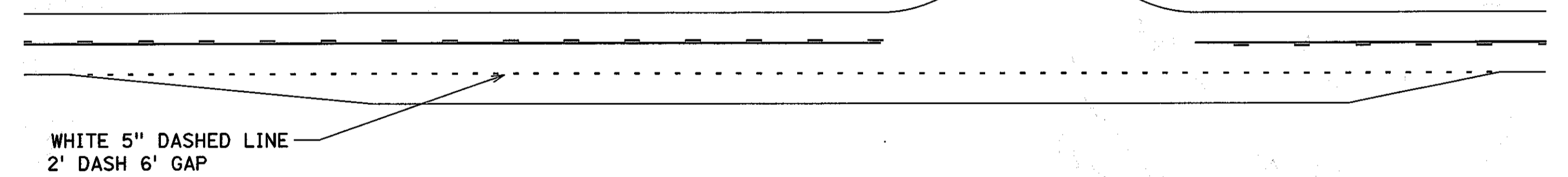
### ISLAND MARKING



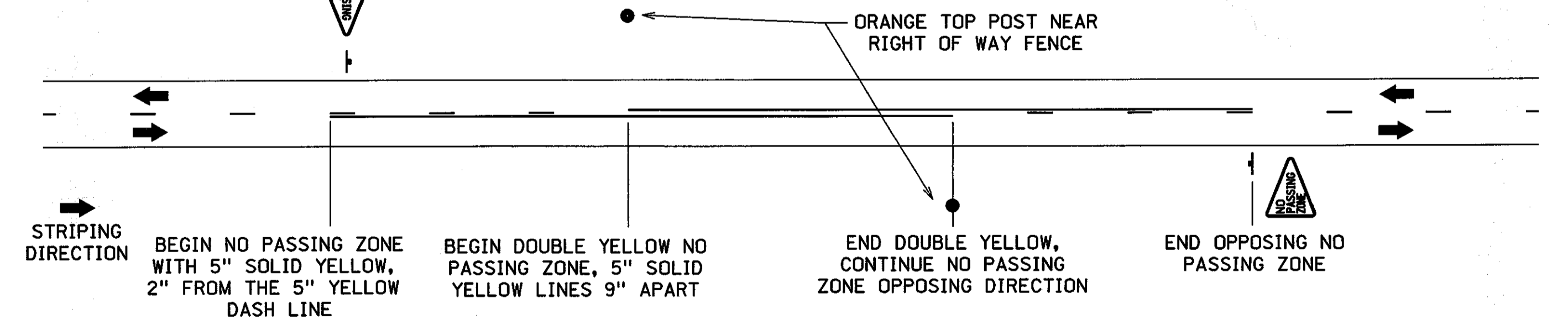
### PASSING LANE MARKING



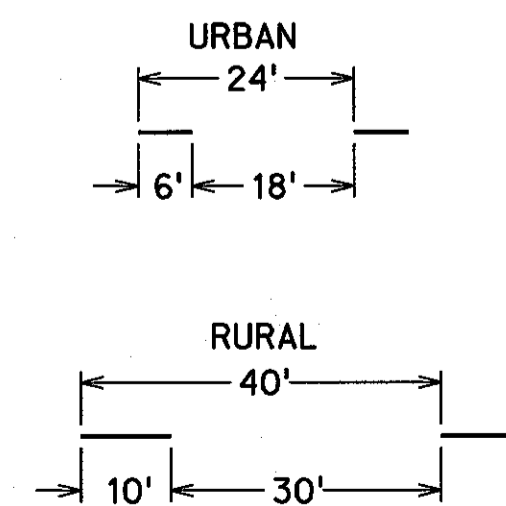
### FLY-BY LANE MARKING



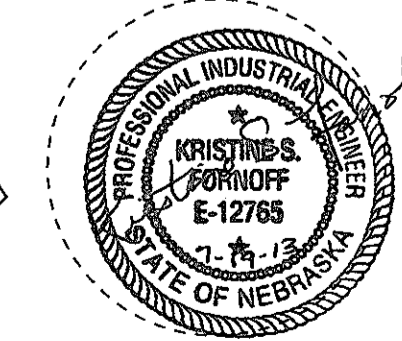
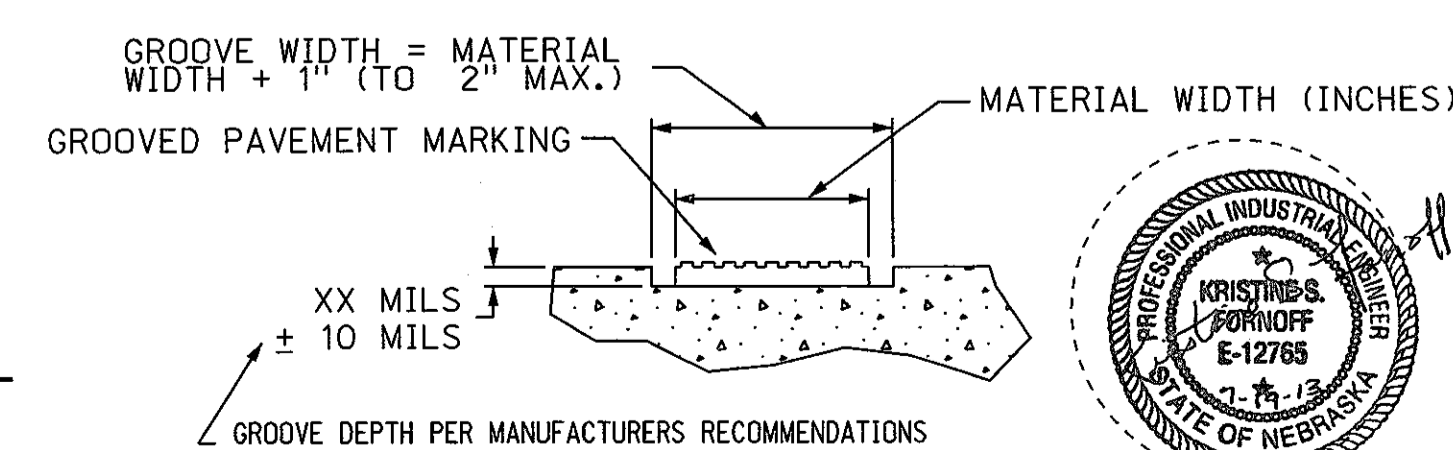
### TYPICAL NO PASSING ZONE MARKINGS



### VIEW A



### PERMANENT PAVEMENT MARKINGS INSTALLED IN GROOVES



### NEBRASKA DEPARTMENT OF ROADS TRAFFIC ENGINEERING DIVISION

### TYPICAL PAVEMENT MARKING PLAN

DESIGNED	VL	5" PAVEMENT MARKING	1/1
REVIEWED		TRAFFIC ENGINEER	
DATE DRAWN	09/09	DATE	