

**KINGS COUNTY, CALIFORNIA
RESOURCE MANAGEMENT AGENCY**

**PLANS FOR
BRIDGE PREVENTIVE
MAINTENANCE & REPAIR**

**LACEY BLVD BRIDGE OVER
LAST CHANCE DITCH, BR. No. 45C0033**

**LACEY BLVD BRIDGE OVER
LEMOORE CANAL, BR. No. 45C0044**

**6TH AVE BRIDGE OVER
E. BRANCH LAKELAND CANAL BR. No. 45C0081**

**21ST AVE BRIDGE OVER
CLARKS FORK KINGS RIVER, BR. No. 45C0095**

**24TH AVE BRIDGE OVER
KINGS RIVER, BR. No. 45C0096**

**LACEY BLVD BRIDGE OVER
CLARKS FORK KINGS RIVER, BR. No. 45C0113**

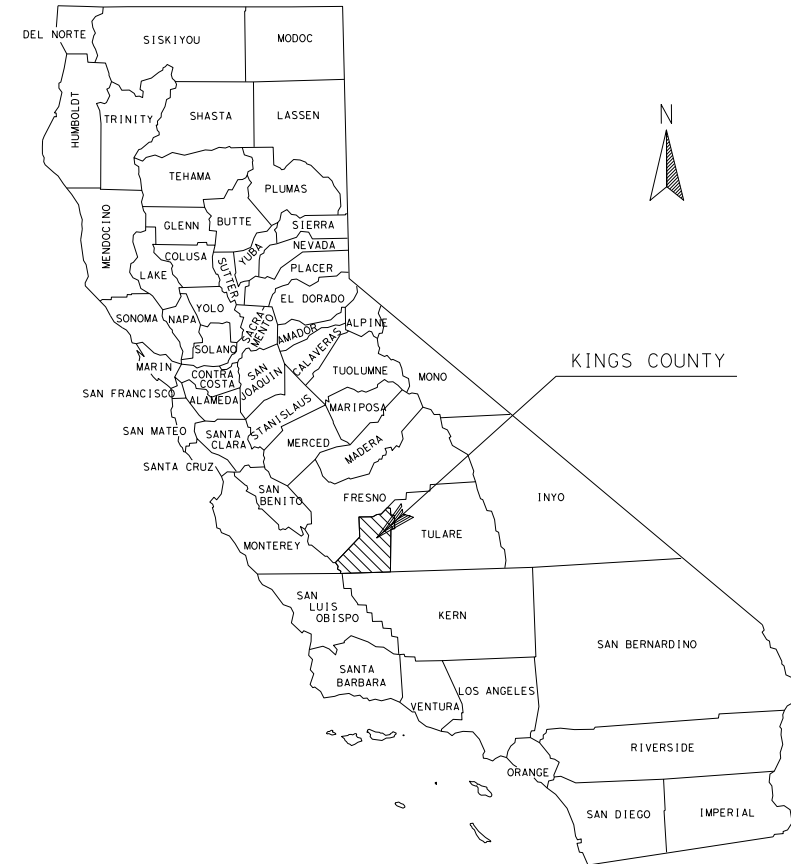
**6TH AVE BRIDGE OVER
TULE RIVER, BR. No. 45C0006**

**22ND AVE BRIDGE OVER
CLARKS FORK KINGS RIVER, BR. No. 45C0015**

**EVERETT AVE BRIDGE OVER
LAST CHANCE DITCH, BR. No. 45C0101**

**LAUREL AVE BRIDGE OVER
KINGS RIVER, BR. No. 45C0114**

FEDERAL AID PROJECT BPMP 5945(103)



INDEX OF PLANS

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5	GENERAL PLANS, BR. No. 45C0033, 45C0044 & 45C0081
6	GENERAL PLANS, BR. No. 45C0095 & 45C0096
7	GENERAL PLAN, BR. No. 45C0101
8	GENERAL PLAN, BR. No. 45C0113
9	GENERAL PLAN, BR. No. 45C0114

GENERAL NOTES:

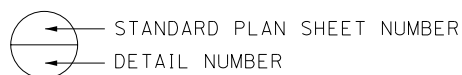
PROJECT STANDARD SPECIFICATIONS

State of California Standard Specifications 2022

PROJECT STANDARD PLANS

State of California Standard Plans 2022 Edition with Errata

A3A	Abbreviations (Sheet 1 of 3)
A3B	Abbreviations (Sheet 2 of 3)
A3C	Abbreviations (Sheet 3 of 3)
A10A	Legend - Lines and Symbols (Sheet 1 of 5)
RSP A10B	Legend - Lines and Symbols (Sheet 2 of 5)
A10C	Legend - Lines and Symbols (Sheet 3 of 5)
A10D	Legend - Lines and Symbols (Sheet 4 of 5)
A10E	Legend - Lines and Symbols (Sheet 5 of 5)
RSP A20A	Pavement Markers and Traffic Lines - Typical Details



APPROVED:

Mitchel Cabrera
MITCHEL CABRERA, P.E. CHIEF ENGINEER

05/11/2023

DATE

NO.	DESCRIPTION	DATE	BY

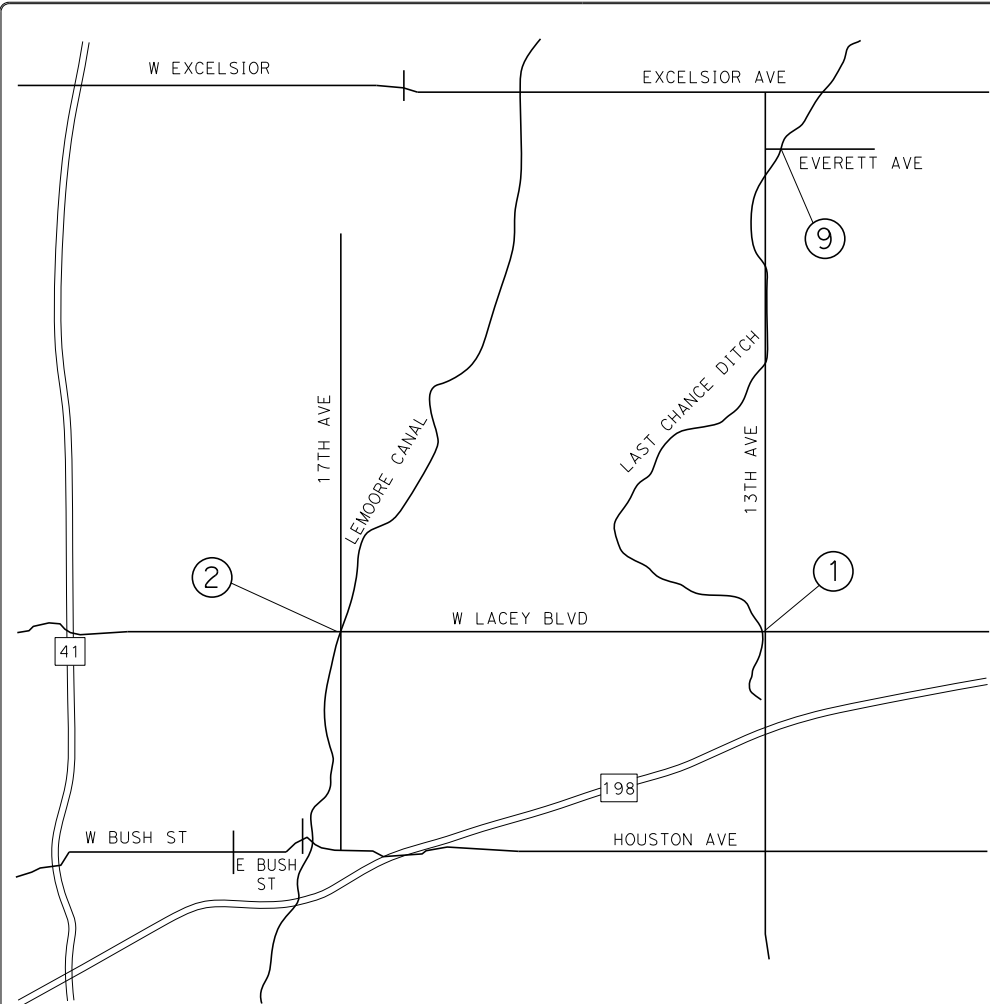
KINGS COUNTY PUBLIC
WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



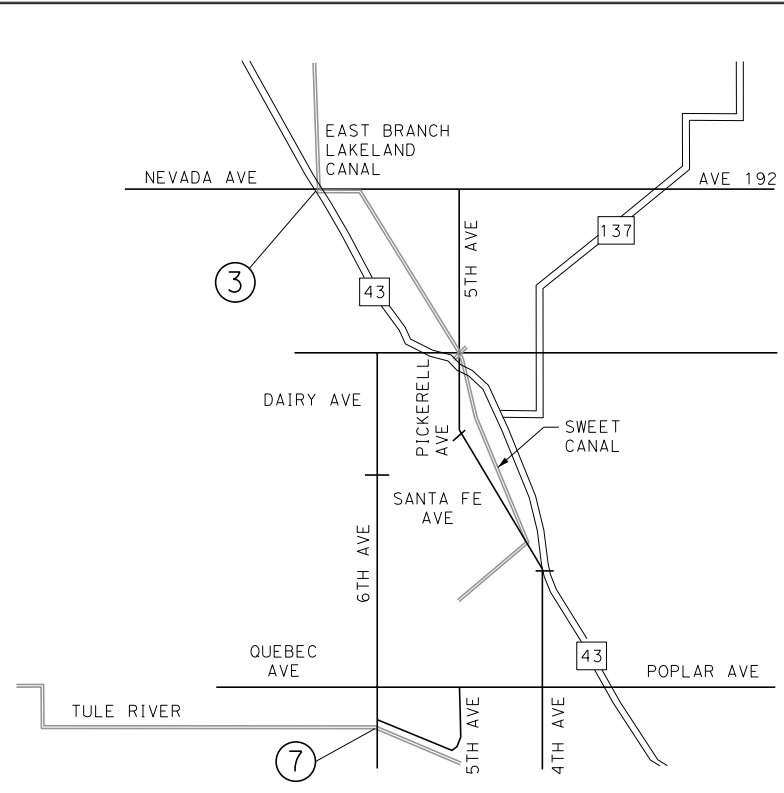
NCM
NCM ENGINEERING
CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

TITLE SHEET
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

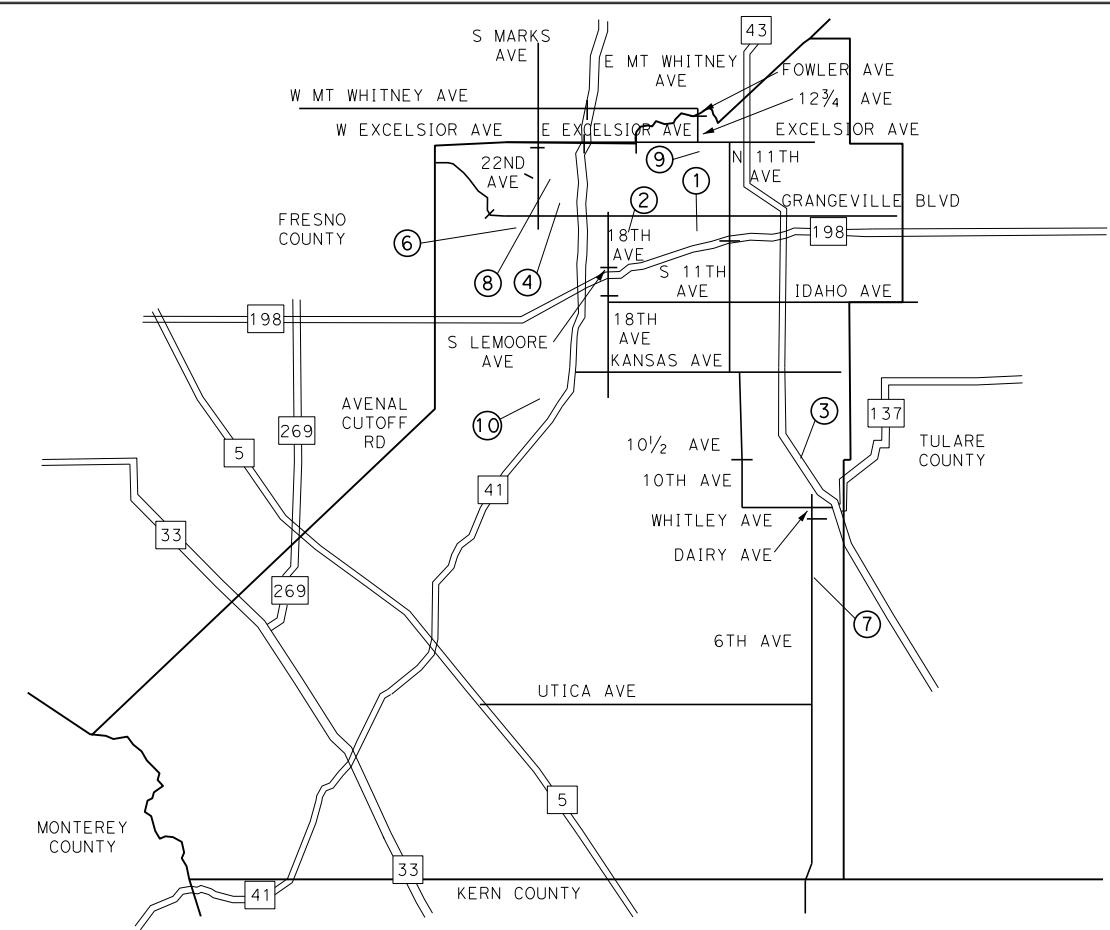
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JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	KIN_aa_cover.dgn
DATE	2/03/2023
SHEET No.	



LOCATION MAP FOR BRIDGES 1, 2 & 9



LOCATION MAP FOR BRIDGES 3 & 7



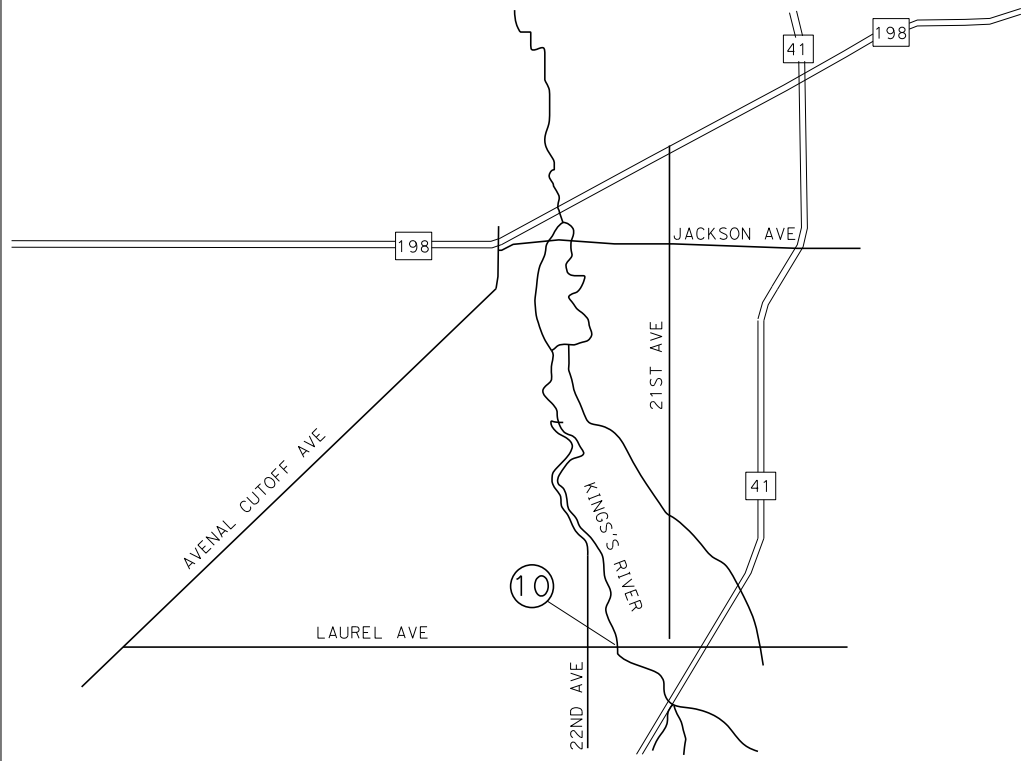
KINGS COUNTY MAP

LEGEND

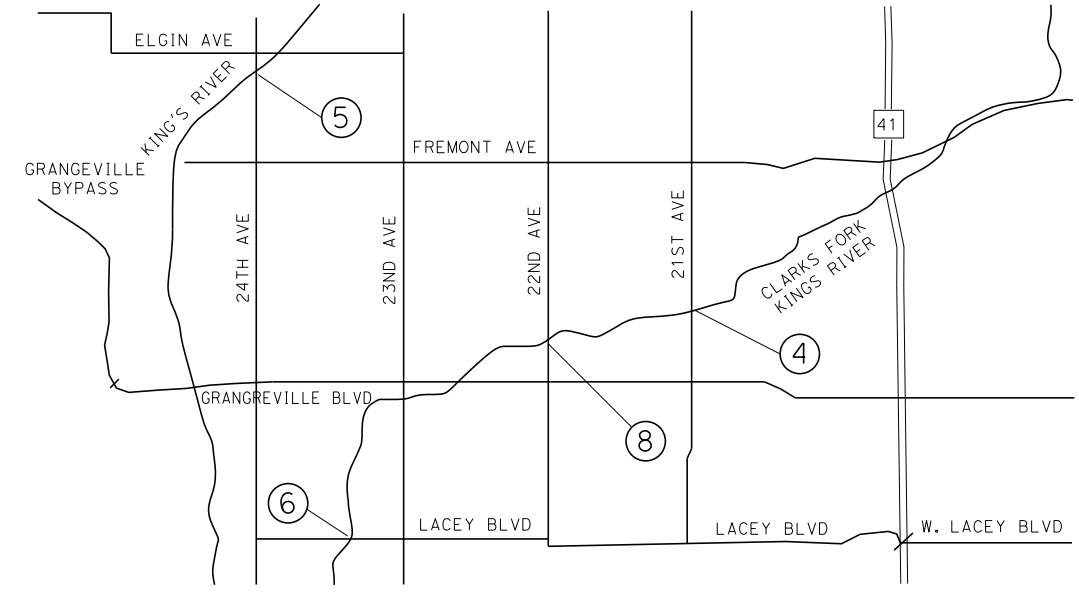
Bridge Project Locations (#)

NORTH

(For All Maps)



LOCATION MAP FOR BRIDGE 10



LOCATION MAP FOR BRIDGES 4, 5, 6 & 8

PROJECT	BRIDGE No.	BRIDGE NAME	LATITUDE	LONGITUDE
#1	45C0033	LACEY BLVD OVER LAST CHANCE DITCH	36.3280	-119.6915
#2	45C0044	LACEY BLVD OVER LEMOORE CANAL	36.3280	-119.7631
#3	45C0081	6TH AVE OVER E. BRANCH LAKELAND CANAL	36.1958	-119.5649
#4	45C0095	21ST AVE OVER CLARKS FORK KINGS RIVER	36.3510	-119.8339
#5	45C0096	24TH AVE OVER KINGS RIVER	36.3741	-119.8871
#6	45C0113	LACEY BLVD OVER CLARKS FORK KINGS RIVER	36.3285	-119.8758
#7	45C0006	6TH AVE OVER TULE RIVER	36.0433	-119.5719
#8	45C0015	22ND AVE OVER CLARKS FORK KINGS RIVER	36.3480	-119.8513
#9	45C0101	EVERETT AVE OVER LAST CHANCE DITCH	36.3935	-119.6886
#10	45C0114	LAUREL AVE OVER KINGS RIVER	36.1894	-119.8456

NO.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



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1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016









VICINITY MAP
BRIDGE PREVENTIVE MAINTENANCE PROJECT
KINGS COUNTY

SCALE	NO SCALE
DIVISION	DESIGN
JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	KIN_vicinitymap.dgn
DATE	2/03/2023
SHEET No.	

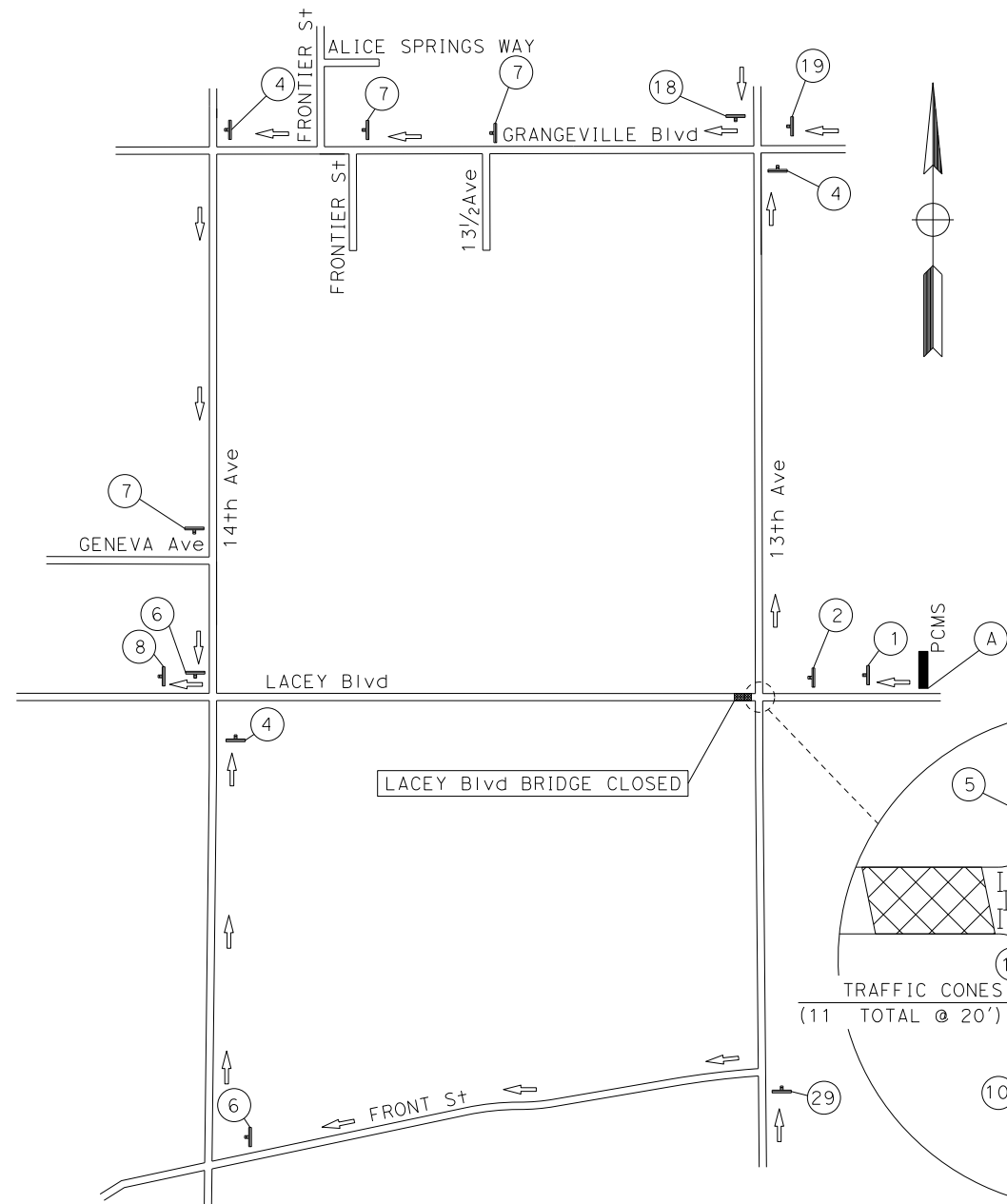


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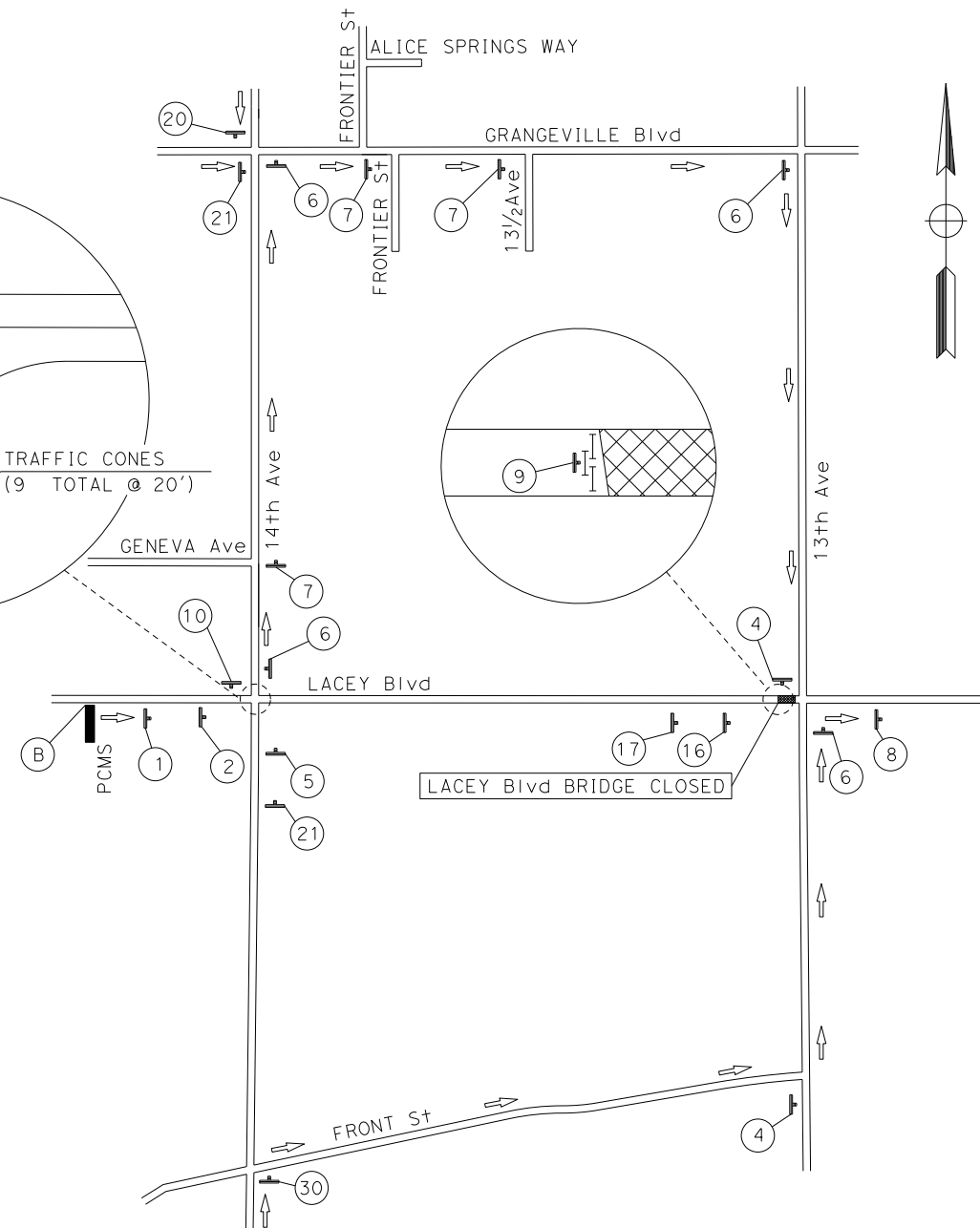
-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE

NOTES:

1. LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS AND PORTABLE CHANGEABLE MESSAGE SIGNS ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER. ALTERNATE MESSAGES MUST BE APPROVED BY THE ENGINEER.
2. SIGNAL AT THE INTERSECTION OF LACEY Blvd AND 13th Ave SHOULD BE SWITCHED TO FLASHING RED BEFORE PLACING DETOUR SIGNS.



DETOUR PLAN No. 1A
WB LACEY Blvd



DETOUR PLAN No. 1B
EB LACEY Blvd

PROJECT #1
LACEY Blvd OVER LAST CHANCE DITCH
(Br. No. 45C0033)

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



REVISIONS	DESCRIPTION	DATE	BY
No.			

KINGS COUNTY PUBLIC
WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230









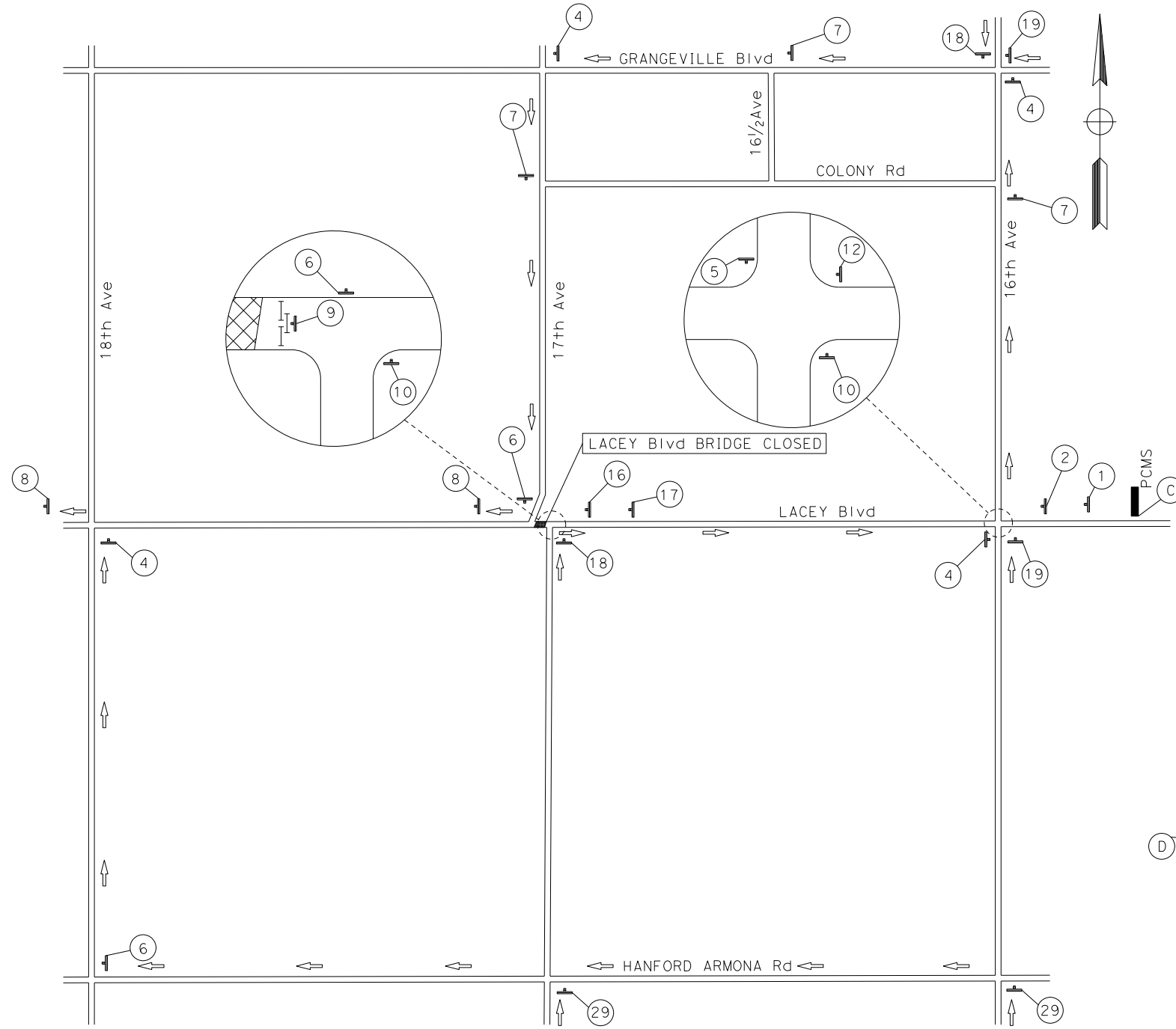
NCM
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1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

DETOUR PLAN
Br. No. 45C0033
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

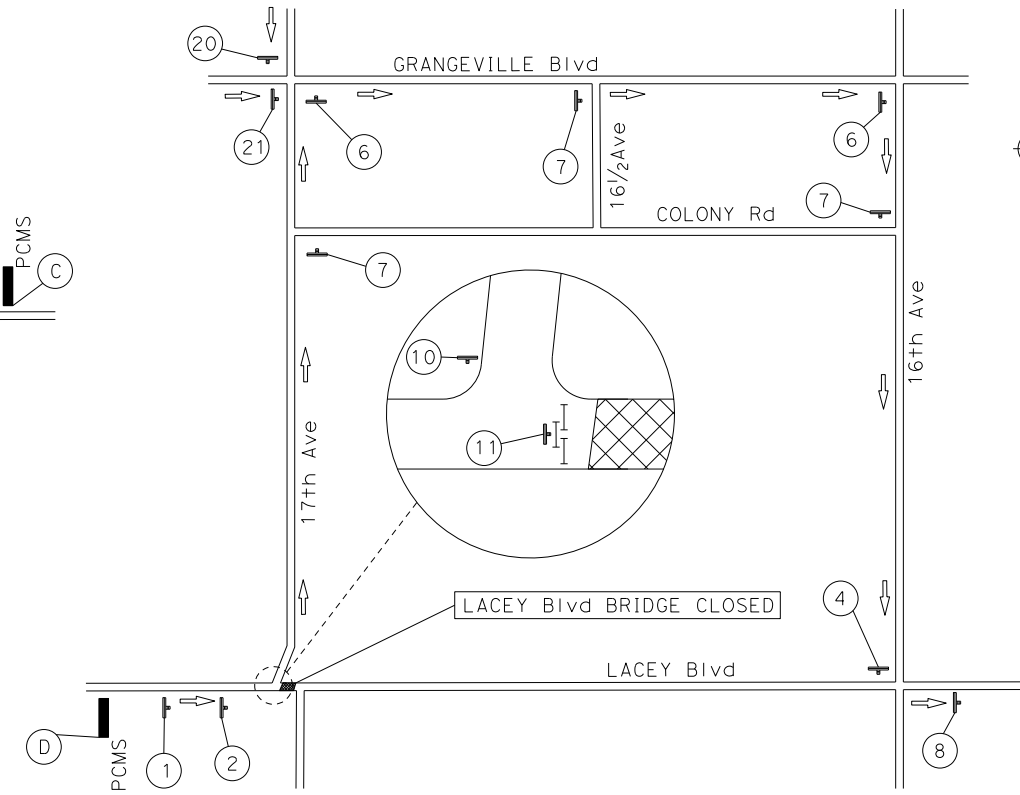
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JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b001.dgn
DATE	2/03/2023
SHEET No.	

LEGEND:

-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE



DETOUR PLAN No. 2A
WB LACEY Blvd



DETOUR PLAN No. 2B
EB LACEY Blvd

PROJECT #2
LACEY Blvd OVER LEMOORE CANAL
(Br. No. 45C0044)

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No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC
WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230









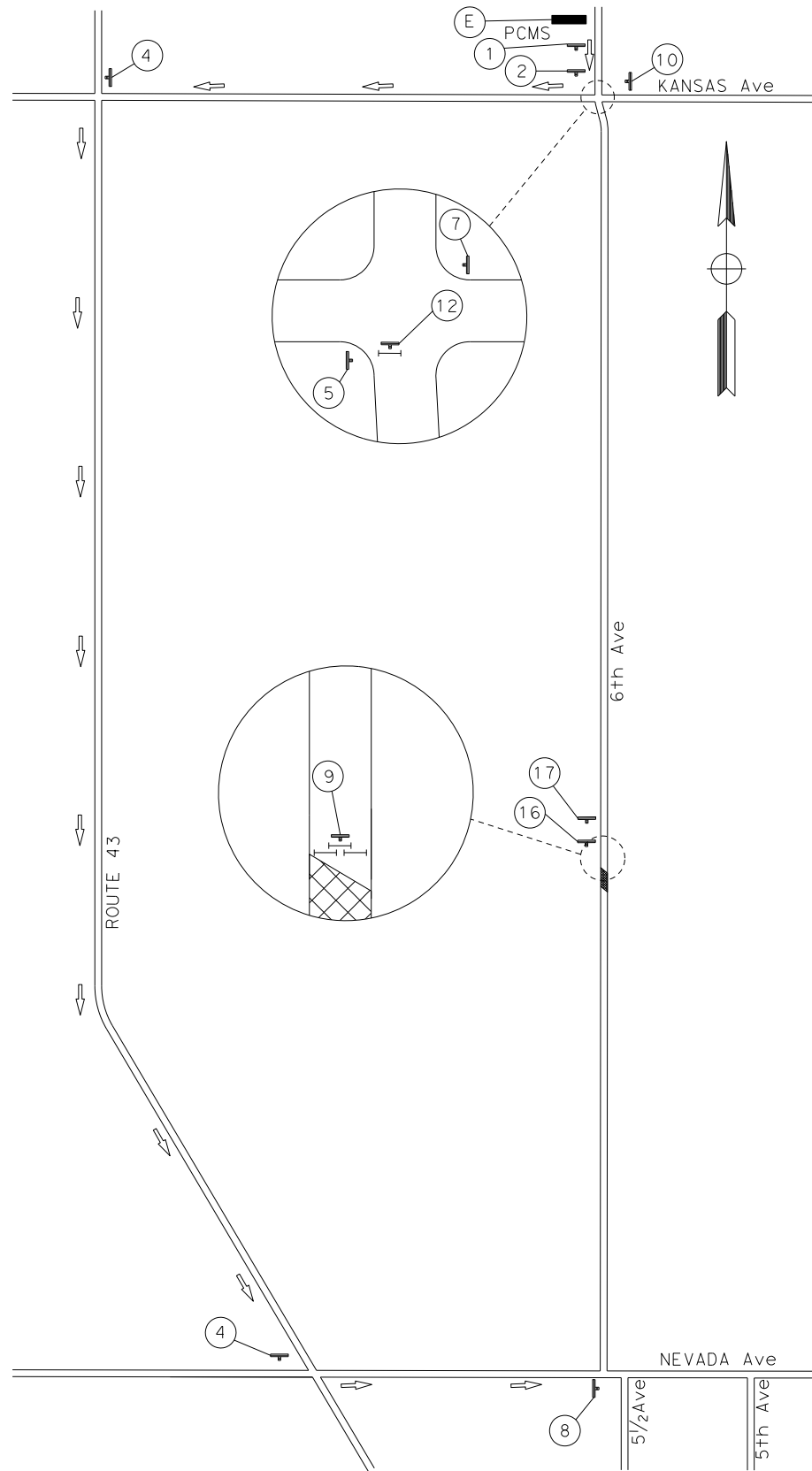
NCM NCM ENGINEERING
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1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

DETOUR PLAN
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BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

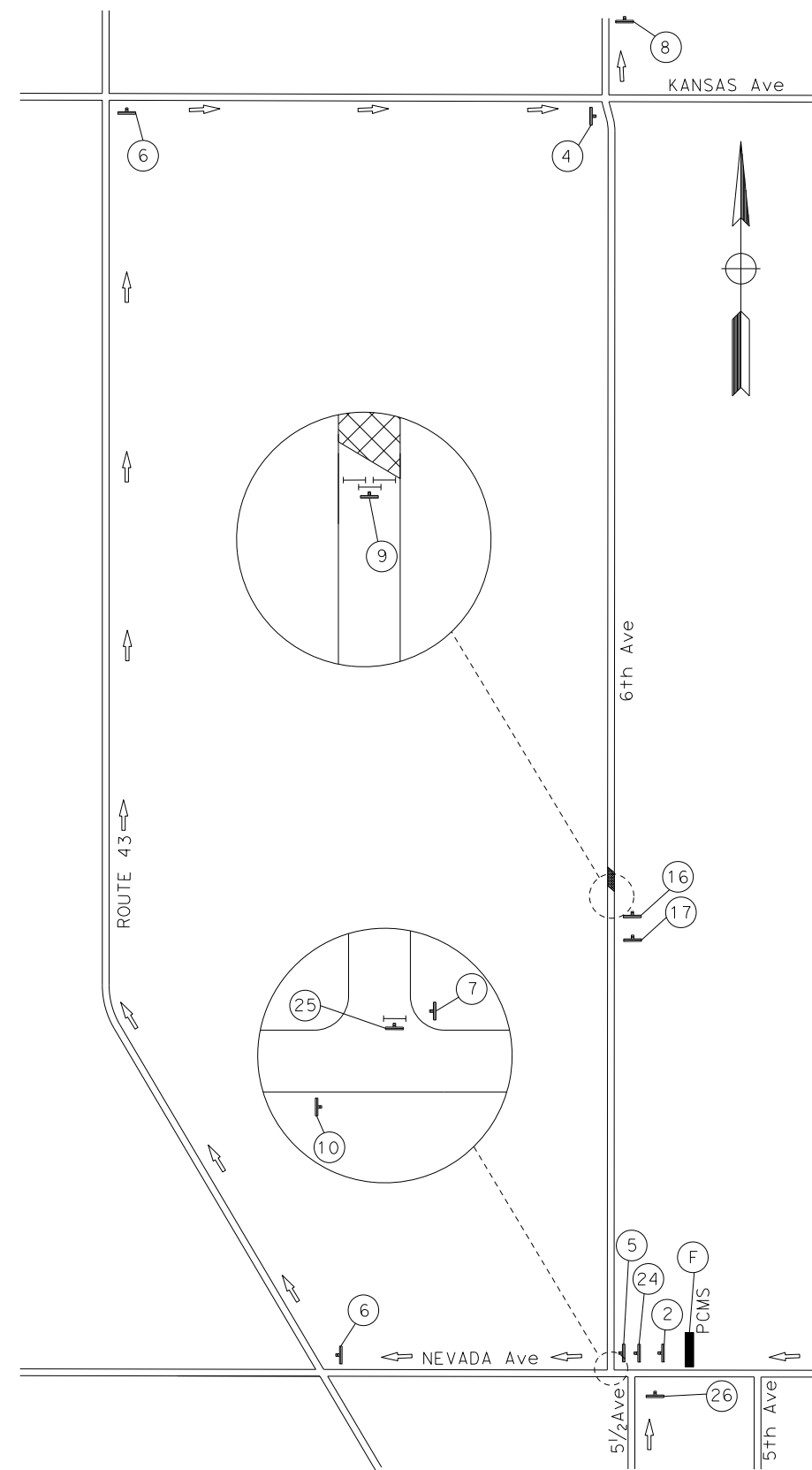
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JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b002.dgn
DATE	2/03/2023
SHEET No.	

LEGEND:

-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE



DETOUR PLAN No. 3A
SB 6th Ave



DETOUR PLAN No. 3B
NB 6th Ave

PROJECT #3
6TH Ave OVER E. BRANCH LAKELAND CANAL
(Br. No. 45C0081)



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NO.	REVISIONS DESCRIPTION	DATE	BY

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WORKS DEPARTMENT
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




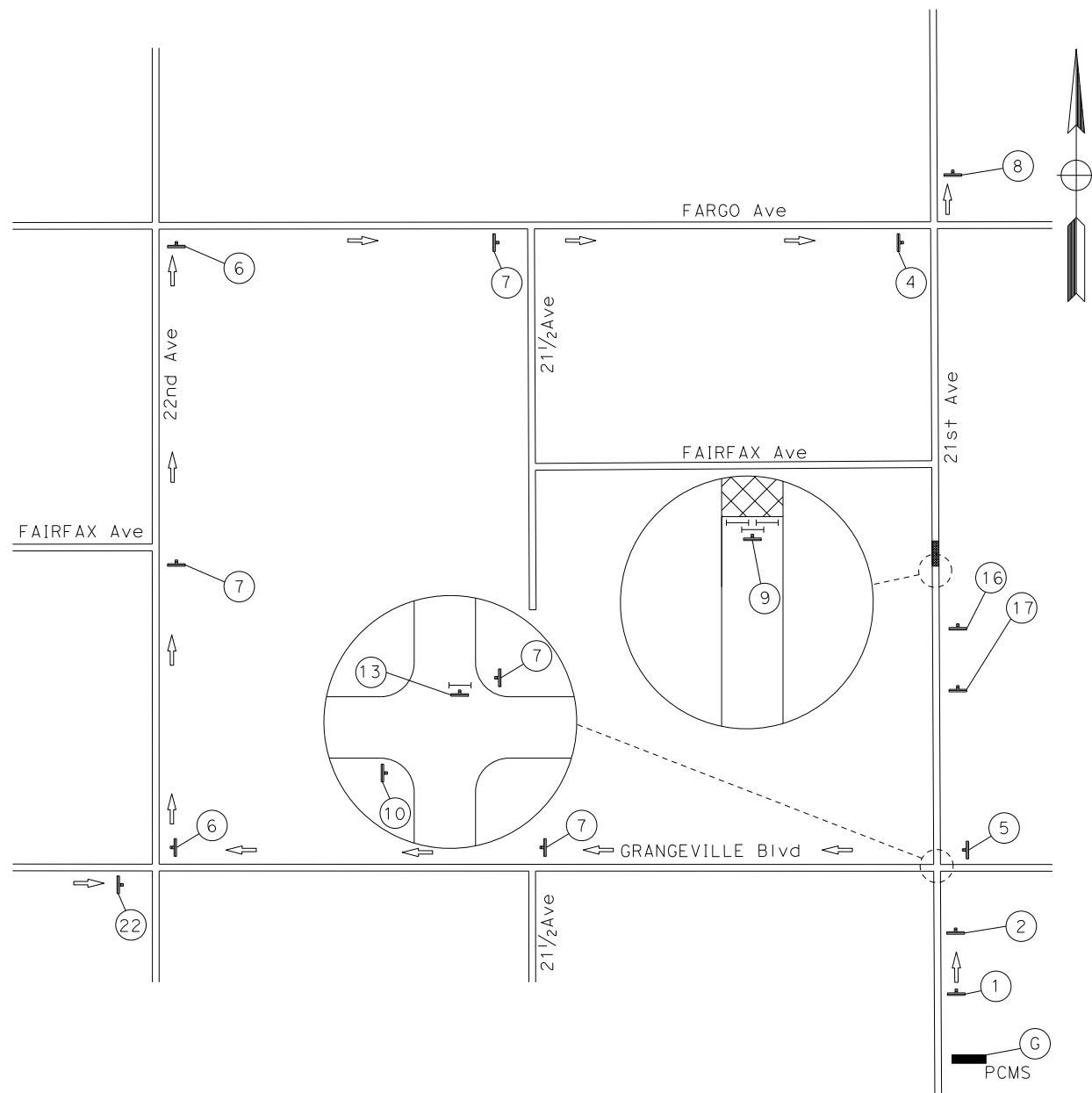
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FRESNO, CA 93710
559-492-3016

DETOUR PLAN
Br. No. 45C0081
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

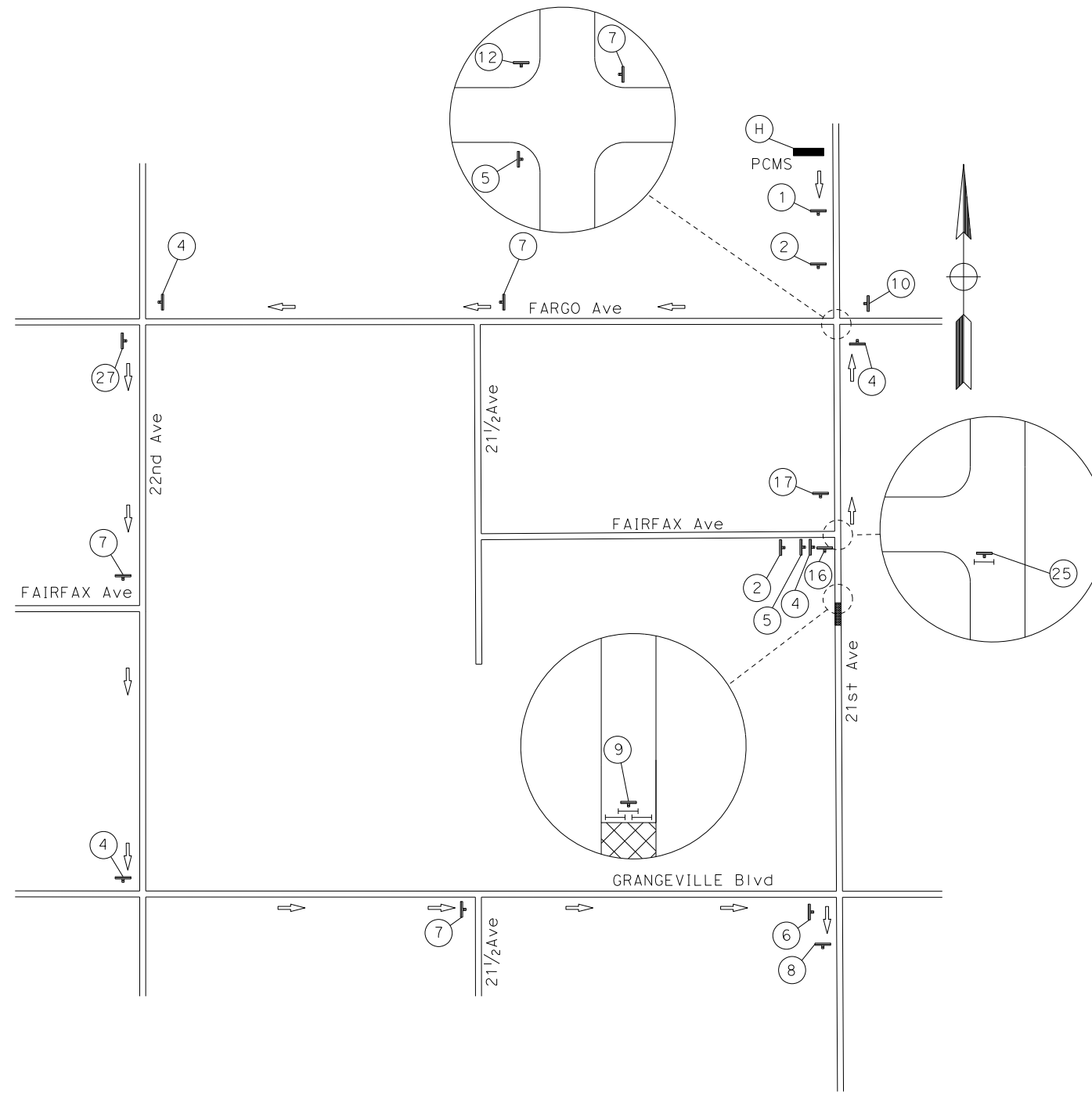
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JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b003.dgn
DATE	2/03/2023
SHEET No.	

LEGEND:

-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE



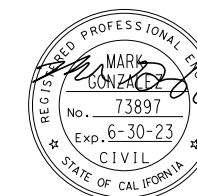
DETOUR PLAN No. 4A
NB 21st Ave



DETOUR PLAN No. 4B
SB 21st Ave

PROJECT #4
21st Ave OVER CLARKS FORK KINGS RIVER
(Br. No. 45C0095)

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230









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1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

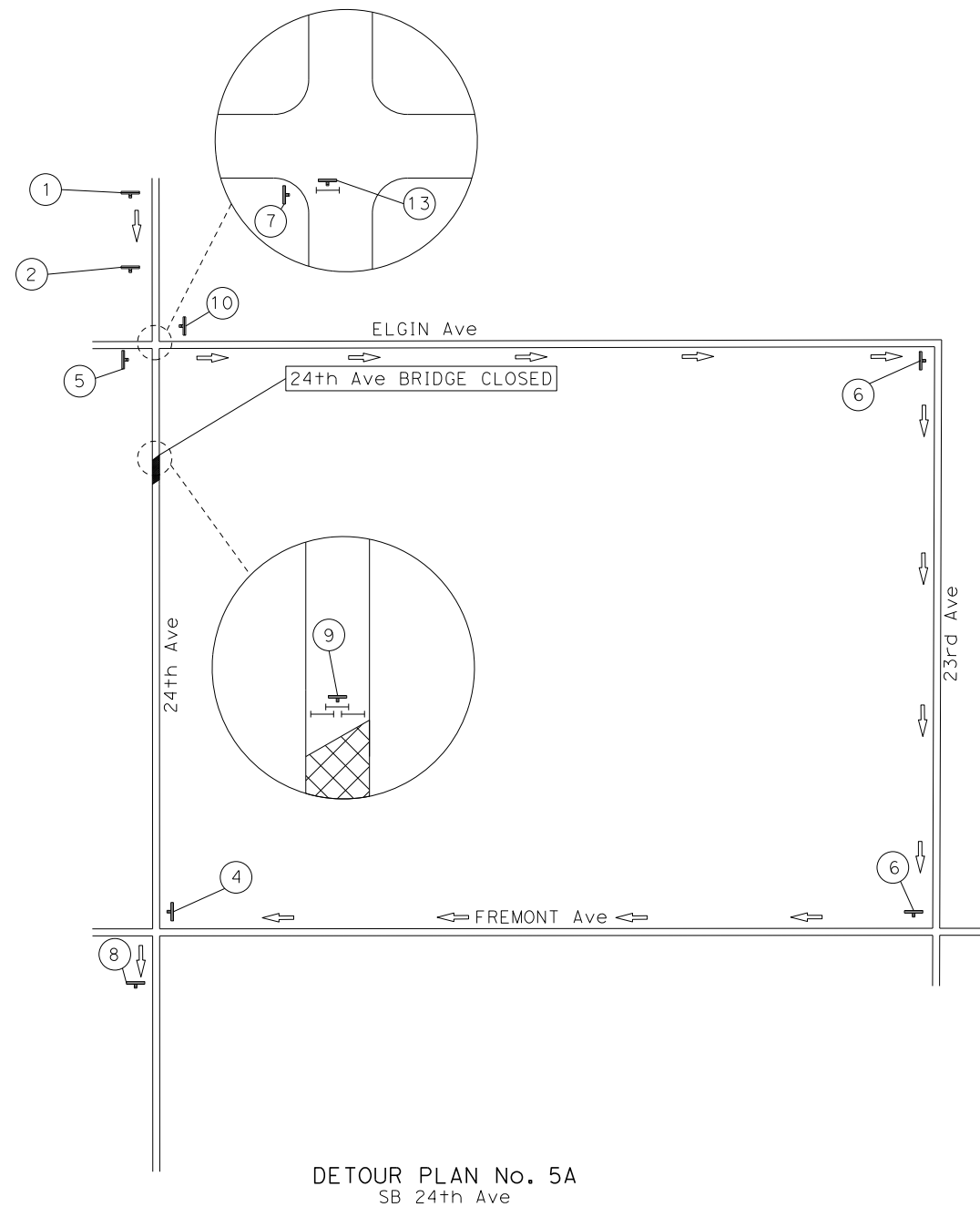


DETOUR PLAN
Br. No. 45C0095
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

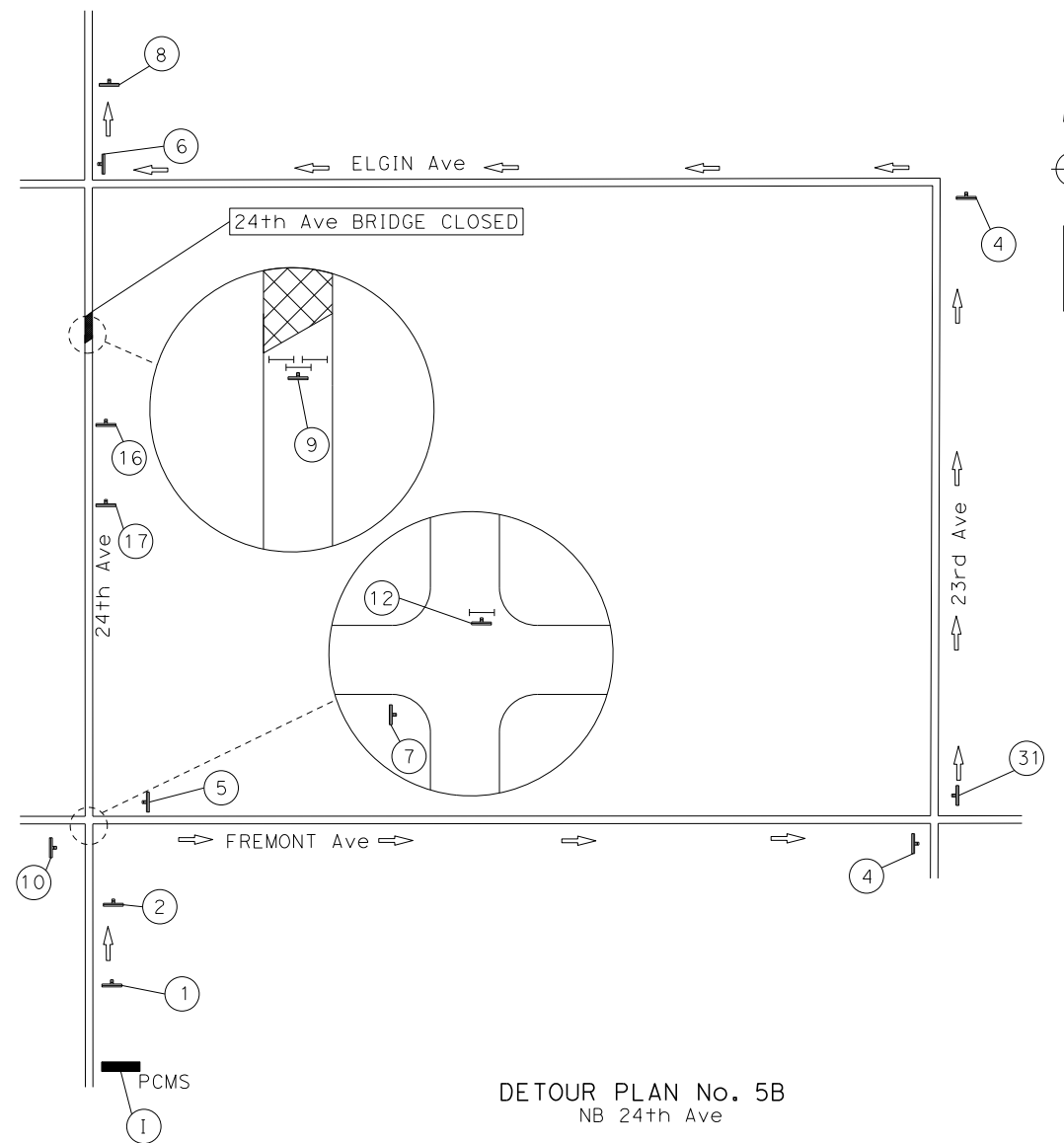
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JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
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DATE	2/03/2023
SHEET No.	

LEGEND:

-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE



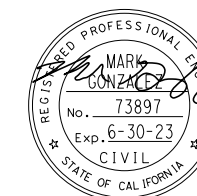
DETOUR PLAN No. 5A
SB 24th Ave



DETOUR PLAN No. 5B
NB 24th Ave

PROJECT #5
24th Ave OVER KINGS RIVER
(Br. No. 45C0096)

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC
WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230









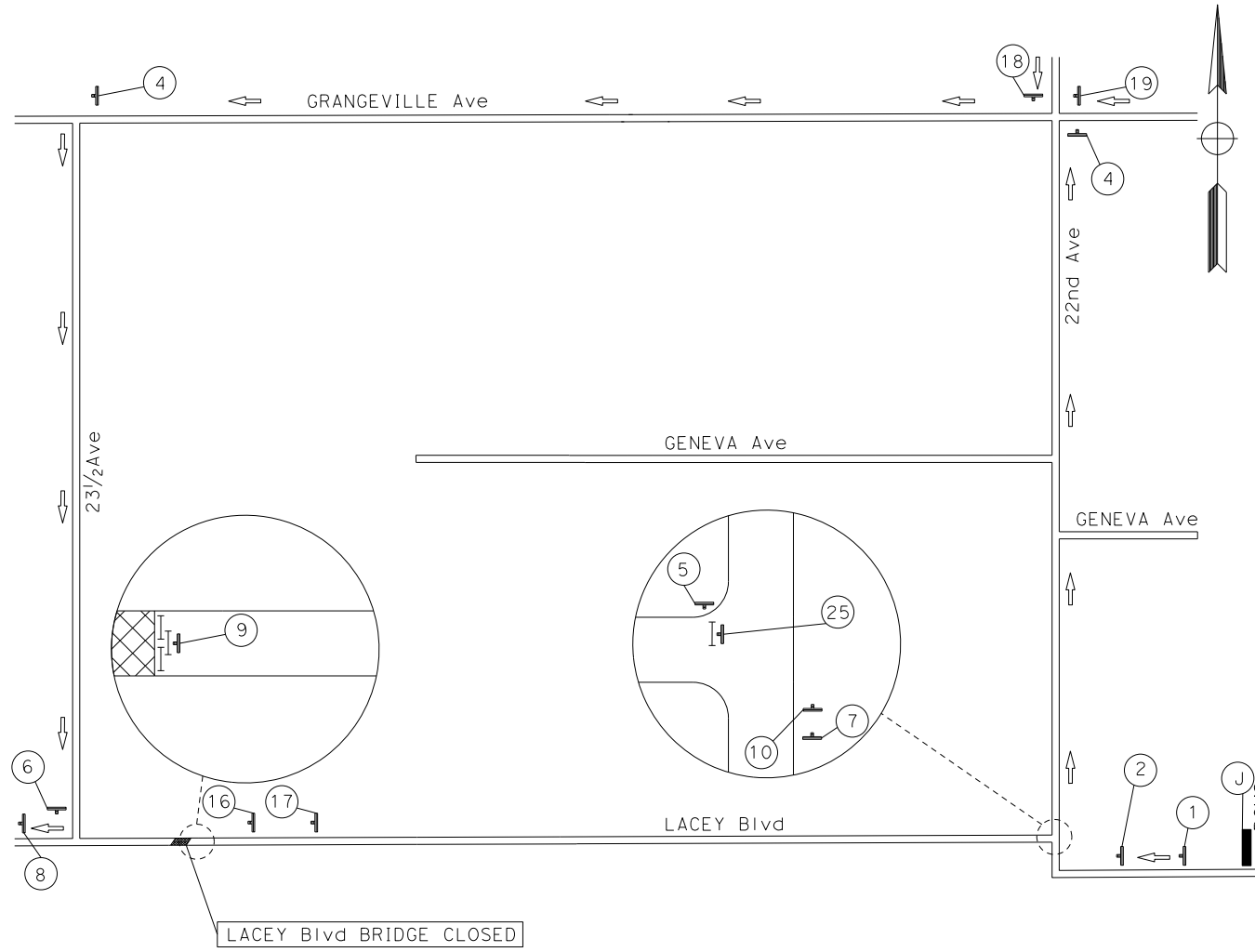
NCM
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CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

DETOUR PLAN
Br. No. 45C0096
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

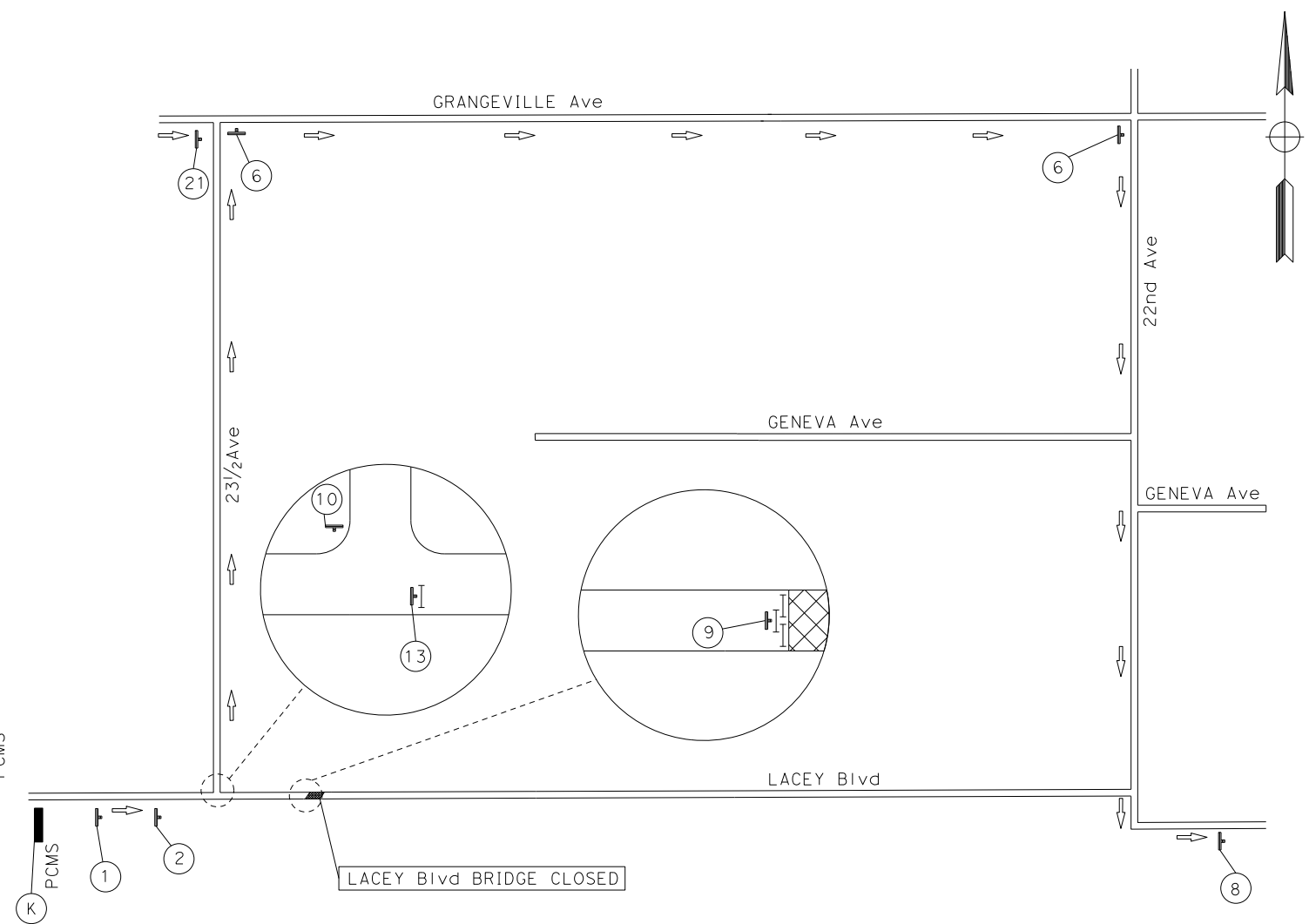
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DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b005.dgn
DATE	2/03/2023
SHEET No.	

LEGEND:

-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE



DETOUR PLAN No. 6A
WB LACEY Blvd



DETOUR PLAN No. 6B
EB LACEY Blvd

PROJECT #6
LACEY Blvd OVER CLARKS FORK KINGS RIVER
(Br. No. 45C0113)



APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230









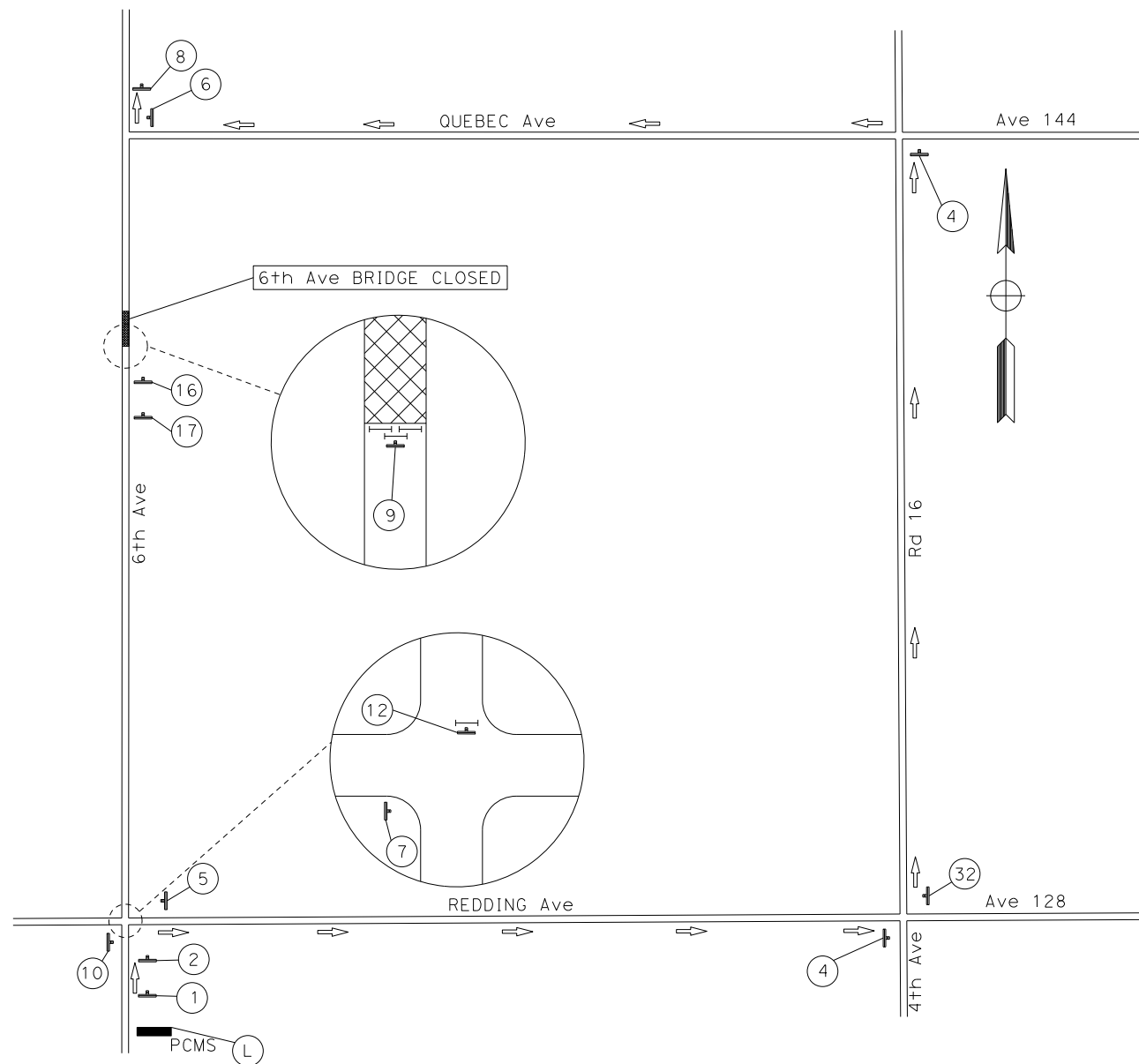
NCM
NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

DETOUR PLAN
Br. No. 45C0113
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

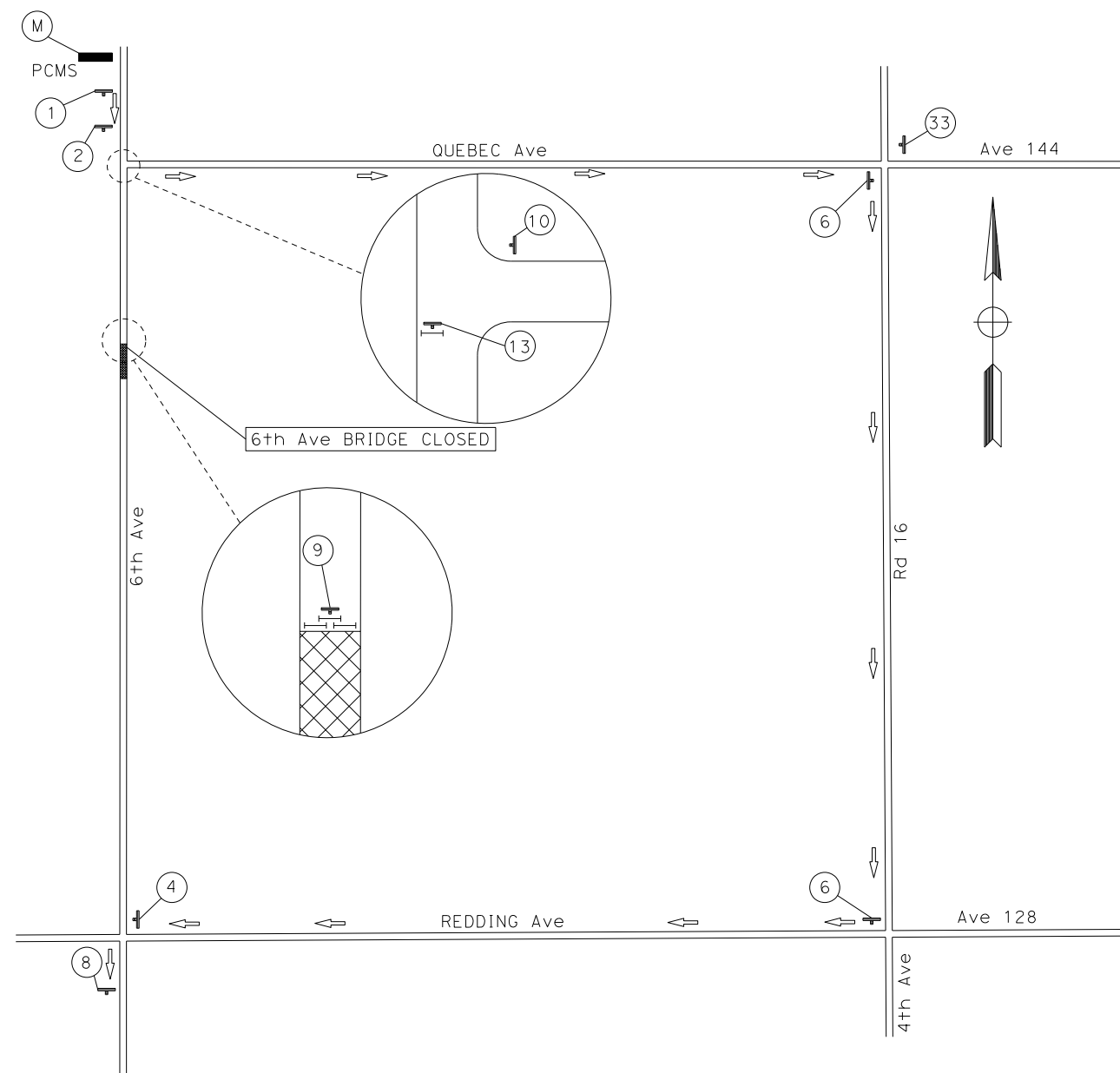
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JOB NO.	
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DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b006.dgn
DATE	2/03/2023
SHEET No.	

LEGEND:

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-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE

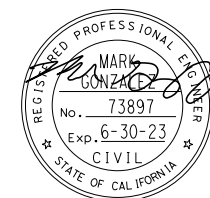


DETOUR PLAN No. 7A
NB 6th Ave



DETOUR PLAN No. 7B
SB 6th Ave


PROJECT #7
6th Ave OVER TULE RIVER
(Br. No. 45C0006)



APPROVED FOR DETOUR CONSTRUCTION WORK ONLY

No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230









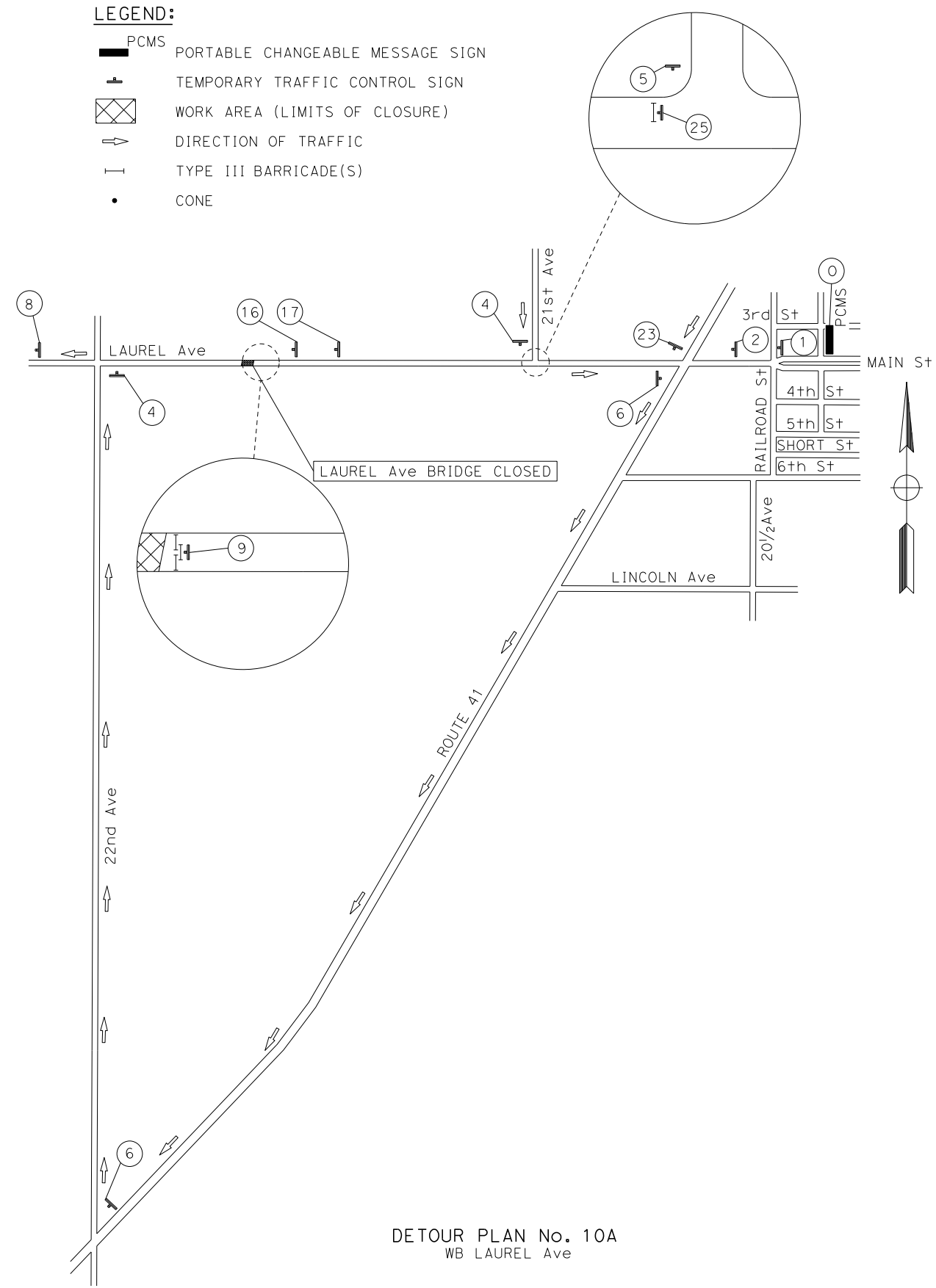
NCM
NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

DETOUR PLAN
Br. No. 45C0006
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

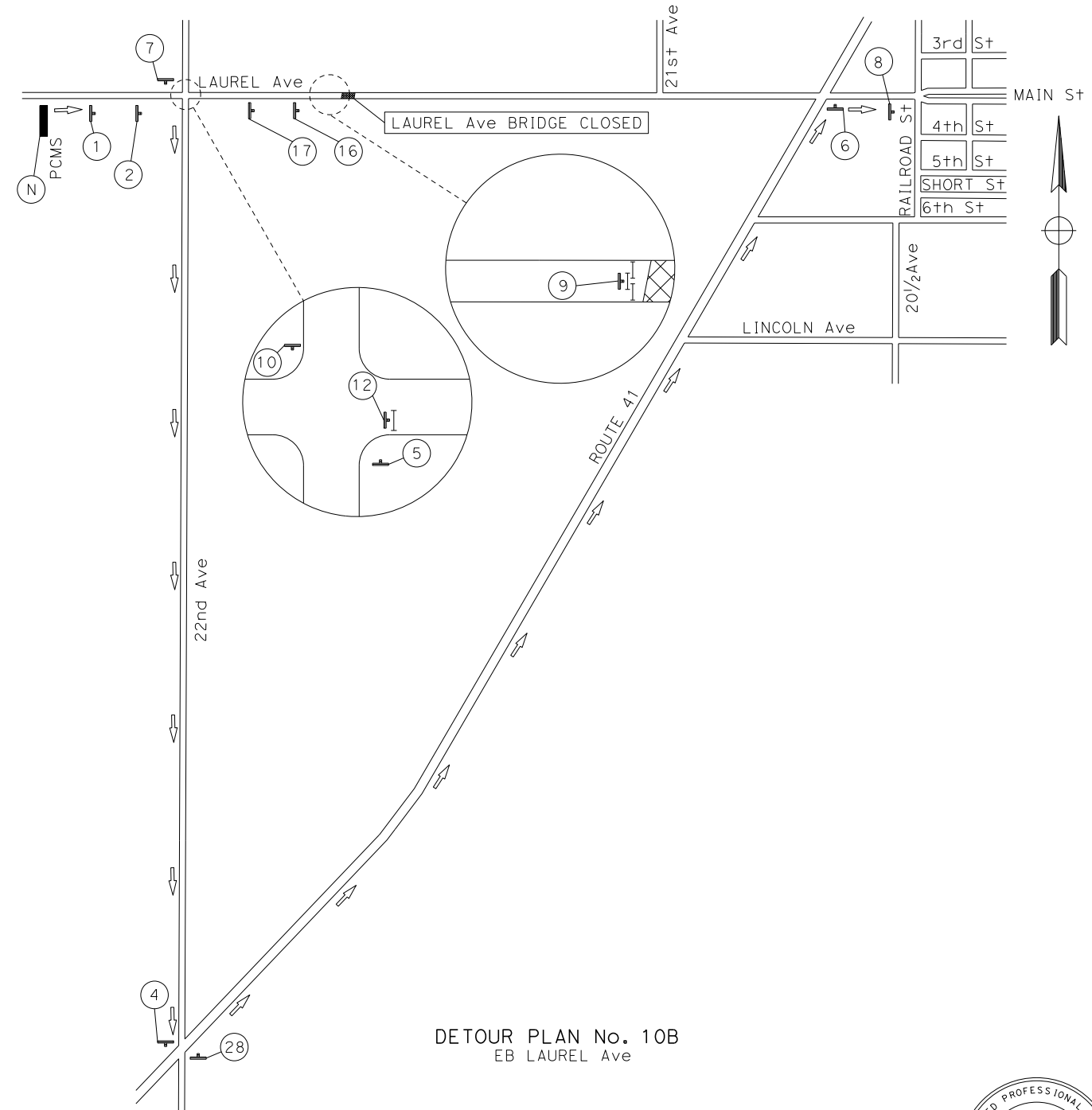
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JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b007.dgn
DATE	2/03/2023
SHEET No.	

LEGEND:

-  PCMS PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY TRAFFIC CONTROL SIGN
-  WORK AREA (LIMITS OF CLOSURE)
-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE(S)
-  CONE



DETOUR PLAN No. 10A
WB LAUREL Ave



DETOUR PLAN No. 10B
EB LAUREL Ave

PROJECT # 10
LAUREL Ave OVER KINGS RIVER
(Br. No. 45C0114)

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016



DETOUR PLAN
Br. No. 45C0114
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	NO SCALE
DIVISION	DESIGN
JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1b008.dgn
DATE	2/03/2023
SHEET No.	

PROJECT #1 PORTABLE CONSTRUCTION AREA SIGNS
(LACEY Blvd Br. No. 45C0033)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	2	
3	R11-2		48 x 30	ROAD CLOSED	1	MOUNTED ON BARRICADE
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	5	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	2	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	7	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	6	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	1	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	3	
13	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
14	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	1	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	1	
18	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
19	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
20	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
21	W16-8P		48 x 12	LACEY BLVD *	2	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
25	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	2	
29	W16-8P		48 x 12	LACEY BLVD *	2	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
30	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
	M4-10 (L+)		48 x 18	DETOUR (ARROW RIGHT)		

PROJECT #1 PORTABLE CHANGEABLE MESSAGE SIGN
(LACEY Blvd Br. No. 45C0033)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
A	BRIDGE CLOSED AHEAD	DETOUR USE 13TH	1
B	LACEY BLVD CLOSED	DETOUR USE 14TH	1

PROJECT #2 PORTABLE CONSTRUCTION AREA SIGNS
(LACEY Blvd Br. No. 45C0044)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	2	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	5	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	1	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	5	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	6	
8	M4-8a		24 x 18	END DETOUR	3	
9	R11-2		48 x 30	ROAD CLOSED	1	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	3	
11	W16-8P		48 x 30	ROAD CLOSED	1	MOUNTED ON BARRICADE
	M3-2		48 x 18	DETOUR (ARROW LEFT)		
12	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	1	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	1	
18	W16-8P		48 x 12	LACEY BLVD *	2	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
	M4-10 (RT)		48 x 18	DETOUR (ARROW RIGHT)		
19	W16-8P		48 x 12	LACEY BLVD *	2	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
20	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
	M4-10 (LT)		48 x 18	DETOUR (ARROW LEFT)		
21	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
29	W16-8P		48 x 12	LACEY BLVD *	2	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		

PROJECT #2 PORTABLE CHANGEABLE MESSAGE SIGN
(LACEY Blvd Br. No. 45C0044)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
C	LACEY BLVD CLOSED	DETOUR USE 16TH	1
D	BRIDGE CLOSED AHEAD	DETOUR USE 17TH	1

REVISIONS	No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016



DETOUR PLAN QUANTITIES
Br. No's 45C0033, 45C0044
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	NO SCALE
DIVISION	DESIGN
JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1d001.dgn
DATE	2/03/2023
SHEET No.	



PROJECT #3 PORTABLE CONSTRUCTION AREA SIGNS
(6th Ave Br. No. 45C0081)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	1	
2	W20-2		36 x 36	DETOUR AHEAD	2	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	3	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	2	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	2	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	2	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	2	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	2	
12	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	2	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	2	
24	W16-8P		48 x 12	6TH AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	NORTH *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
25	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
26	W16-8P		48 x 12	6TH AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	NORTH *		
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		

PROJECT #3 PORTABLE CHANGEABLE MESSAGE SIGN
(6th Ave Br. No. 45C0081)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
E	6TH AVE CLOSED AHEAD	DETOUR USE KANSAS	1
F	6TH AVE CLOSED AHEAD	DETOUR USE SR 43	1

PROJECT #4 PORTABLE CONSTRUCTION AREA SIGNS
(21st Ave Br. No. 45C0095)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	3	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	5	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	3	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	3	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	8	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	2	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	2	
12	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
13	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	2	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	2	
22	W16-8P		48 x 12	21ST AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	NORTH *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
25	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
27	W16-8P		48 x 12	21ST AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	SOUTH *		
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		

PROJECT #4 PORTABLE CHANGEABLE MESSAGE SIGN
(21st Ave Br. No. 45C0095)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
G	ROAD CLOSED AHEAD	DETOUR USE GRANGVIL	1
H	ROAD CLOSED AHEAD	DETOUR USE FARGO	1

APPROVED FOR DETOUR CONSTRUCTION WORK ONLY



No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016



DETOUR PLAN QUANTITIES
Br. No's 45C0081, 45C0095
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	NO SCALE
DIVISION	DESIGN
JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	10002.dgn
DATE	2/03/2023
SHEET No.	

PROJECT #5 PORTABLE CONSTRUCTION AREA SIGNS
(24th Ave Br. No. 45C0096)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	2	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	3	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	2	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	3	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	2	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	2	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	2	
12	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
13	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	1	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	1	
31	W16-8P		48 x 12	24TH AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	NORTH *		
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		

PROJECT #5 PORTABLE CHANGEABLE MESSAGE SIGN
(24th Ave Br. No. 45C0096)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
I	ROAD CLOSED AHEAD	DETOUR USE FREMONT	1

PROJECT #6 PORTABLE CONSTRUCTION AREA SIGNS
(LACEY Blvd Br. No. 45C0113)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	2	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	2	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	1	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	3	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	1	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	2	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	2	
13	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	1	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	1	
18	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
19	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	1	*ORANGE BACKGROUND
	W16-8P		48 x 12	LACEY BLVD *		
21	M3-2		24 x 12	WEST *	1	*ORANGE BACKGROUND
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
25	W16-8P		48 x 12	LACEY BLVD *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
25	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE

PROJECT #6 PORTABLE CHANGEABLE MESSAGE SIGN
(LACEY Blvd Br. No. 45C0113)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
J	LACEY BLVD CLOSED	DETOUR USE 22ND	1
K	ROAD CLOSED AHEAD	DETOUR USE 23 1/2	1



No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

DETOUR PLAN QUANTITIES
Br. No's 45C0096, 45C0113
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	NO SCALE
DIVISION	DESIGN
JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1d003.dgn
DATE	2/03/2023
SHEET No.	

DETOUR QUANTITIES

PROJECT No.	TRAFFIC CONE	TYPE III BARRICADE
	EA	EA
1	34	8
2		6
3		8
4		8
5		8
6		8
7		8
10		8
TOTAL	34	62

PROJECT #7 PORTABLE CONSTRUCTION AREA SIGNS
(6th Ave Br. No. 45C0006)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	2	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	3	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	1	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	3	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	1	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	2	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	2	
12	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
13	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	1	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	1	
32	W16-8P		48 x 12	6TH AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	NORTH*		
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
33	W16-8P		48 x 12	6TH AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	SOUTH *		
	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)		

PROJECT #7 PORTABLE CHANGEABLE MESSAGE SIGN
(6th Ave Br. No. 45C0006)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
L	ROAD CLOSED AHEAD	DETOUR USE REDDING	1
M	ROAD CLOSED AHEAD	DETOUR USE QUEBEC	1

PROJECT #10 PORTABLE CONSTRUCTION AREA SIGNS
(LAUREL Ave Br. No. 45C0114)

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF SIGNS	NOTES
	FEDERAL	STATE	IN x IN			
1	W20-3		36 x 36	ROAD CLOSED AHEAD	2	
2	W20-2		36 x 36	DETOUR AHEAD	2	
4	M4-10 (L+)		48 x 18	DETOUR (ARROW LEFT)	3	
5	R3-1		36 x 36	RIGHT TURN PROHIBITED	2	
6	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)	3	
7		SC3	36 x 12	DETOUR (ARROW STRAIGHT)	1	
8	M4-8a		24 x 18	END DETOUR	2	
9	R11-2		48 x 30	ROAD CLOSED	2	MOUNTED ON BARRICADE
10	R3-2		36 x 36	LEFT TURN PROHIBITED	1	
12	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		
16	W20-3 (500')		36 x 36	ROAD CLOSED (500')	2	
17	W20-3 (1000')		36 x 36	ROAD CLOSED (1000')	2	
23	W16-8P		48 x 12	LAUREL AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	WEST *		
		SC3	36 x 12	DETOUR (ARROW STRAIGHT)		
25	R11-4		60 x 30	ROAD CLOSED TO THRU TRAFFIC	1	MOUNTED ON BARRICADE
28	W16-8P		48 x 12	LAUREL AVE *	1	*ORANGE BACKGROUND
	M3-2		24 x 12	EAST *		
	M4-10 (R+)		48 x 18	DETOUR (ARROW RIGHT)		

PROJECT #10 PORTABLE CHANGEABLE MESSAGE SIGN
(LAUREL Ave Br. No. 45C0114)

SIGN No.	FIRST FRAME	SECOND FRAME	No. OF SIGNS
N	ROAD CLOSED AHEAD	DETOUR USE 22ND	1
O	ROAD CLOSED AHEAD	DETOUR USE SR 43	1

REVISIONS	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016



DETOUR PLAN QUANTITIES
Br. No's 45C0006, 45C0114
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	NO SCALE
DIVISION	DESIGN
JOB NO.	
DESIGNED	S. CADENA
DRAWN	B. POORE
CHECKED	M. GONZALEZ
FILE	1d004.dgn
DATE	2/03/2023
SHEET No.	






QUANTITIES

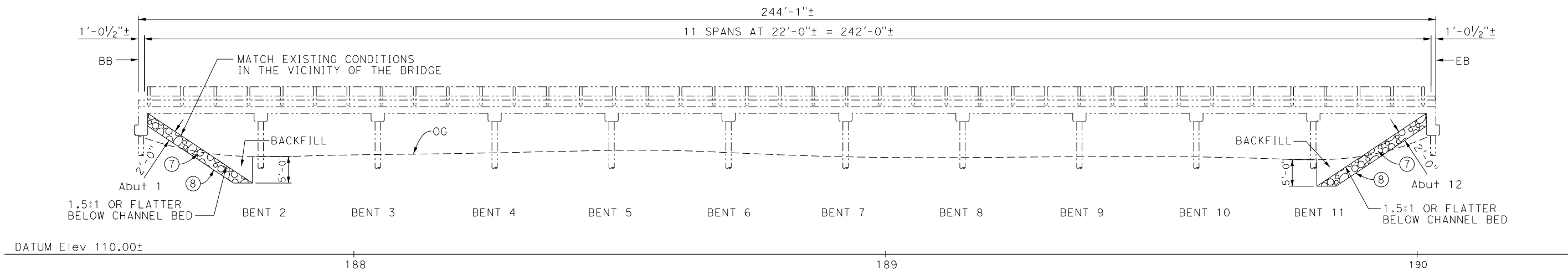
ITEM	UNIT	QUANTITY
TEMPORARY HIGH-VISIBILITY FENCE	LF	500
REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	60
REPLACE ASPHALT CONCRETE SURFACING	CY	29
ROCK SLOPE PROTECTION (150 lb, Class III, METHOD B) (CY)	CY	328
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	575
PAINT TRAFFIC STRIPE (2-COAT)	LF	180
REMOVE PAINTED TRAFFIC STRIPE	LF	120

NOTES:

- ② Remove center yellow painted traffic stripe in AC repair area
- ③ Remove edge white painted traffic stripe from in AC repair area
- ④ Paint 2-coat yellow center painted traffic stripe in AC repair area per Caltrans RSP A20A
- ⑤ Paint 2-coat white painted edge stripe in AC repair area per Caltrans Standard Plan A20B
- ⑥ Asphalt concrete repair at the approach of North and South ends
- ⑦ Prepare grade and add 2' RSP Class III (Method B)
- ⑧ RSP Fabric Class 8

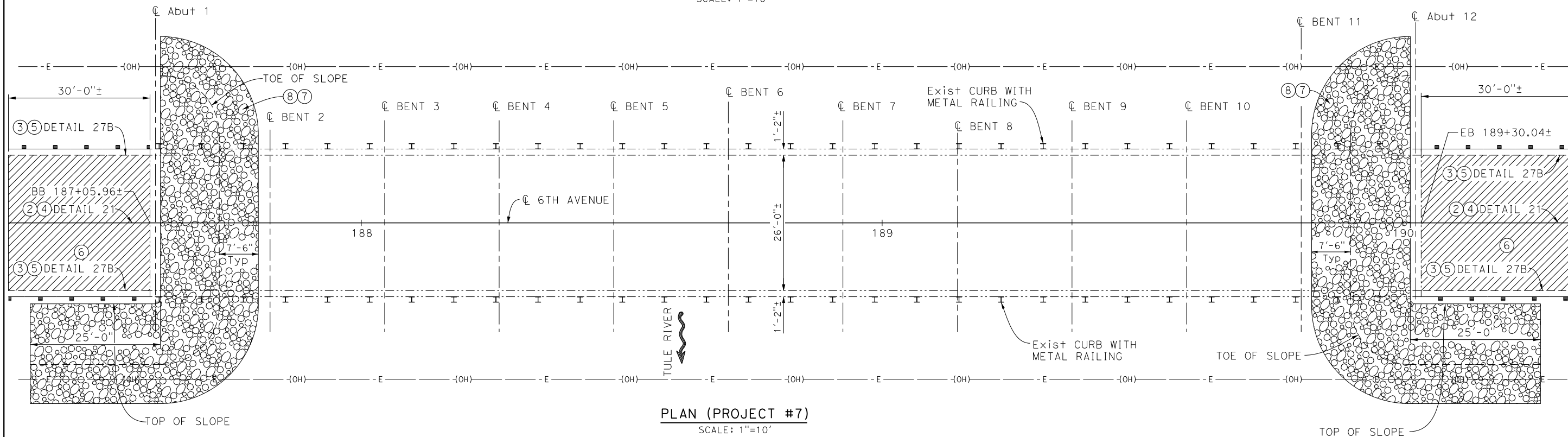
LEGEND:

-  Indicates limits of Rock Slope Protection, Class III (Method B)
-  Indicates limits of Replace Asphalt Concrete Surfacing
- Indicates Existing Structure
-  Indicates Direction of Flow



ELEVATION

SCALE: 1"=10'



PLAN (PROJECT #7)

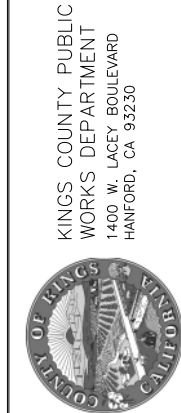
SCALE: 1"=10'

6th AVENUE BRIDGE AT TULE RIVER
Br. No. 45C0006

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL



REVISIONS	DESCRIPTION	DATE	BY



NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

GENERAL PLAN
Br. No. 45C0006
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	15_KIN_45C-a-gp01.dgn
DATE	2/9/2023
SHEET No.	




QUANTITIES

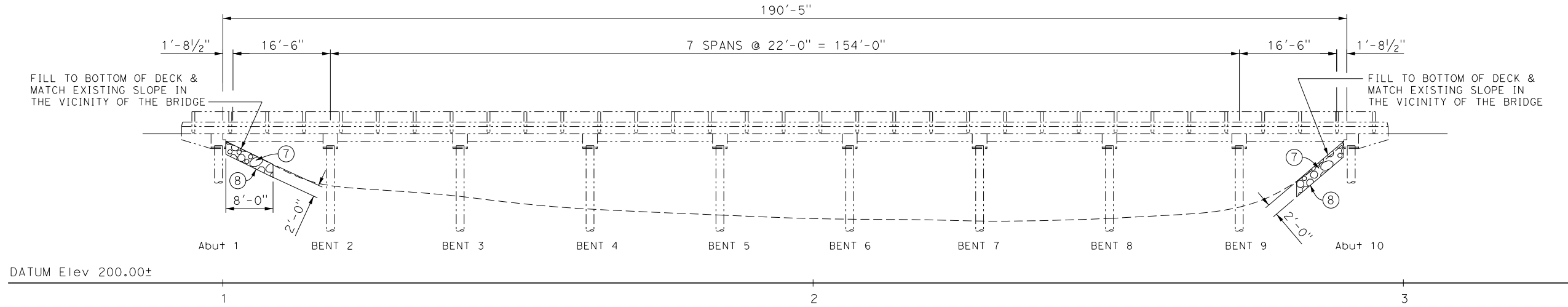
ITEM	UNIT	QUANTITY
TEMPORARY HIGH-VISIBILITY FENCE	LF	550
ROCK SLOPE PROTECTION (150lb, Class III, METHOD B)(CY)	CY	71
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SOYD	163

NOTES:

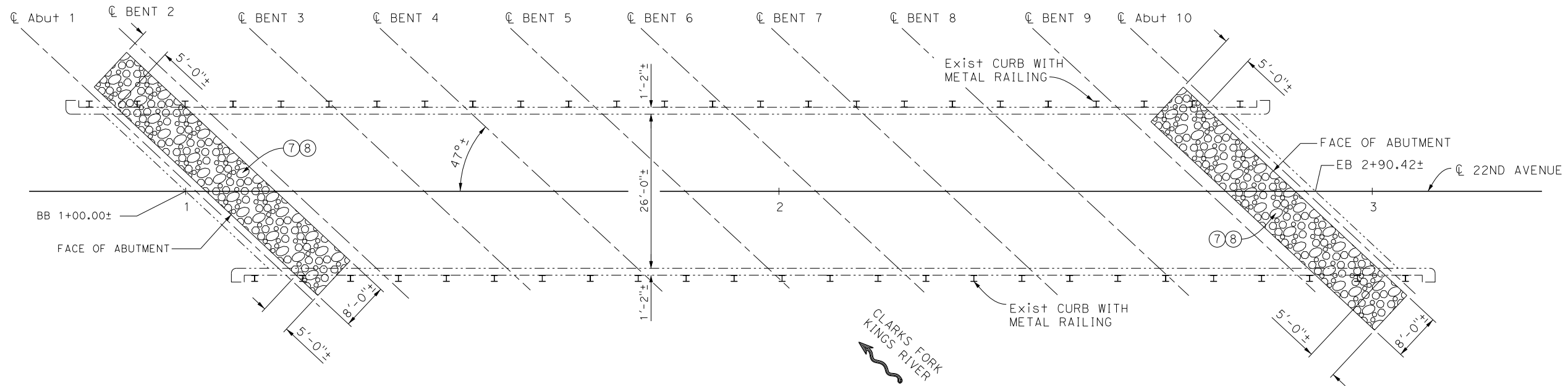
- ⑦ Prepare grade and add 2' RSP Class III (Method B)
- ⑧ RSP Fabric Class 8

LEGEND:

-  Indicates limits of Rock Slope Protection, Class III (Method B)
-  Indicates Existing Structure
-  Indicates Direction of Flow



ELEVATION
SCALE: 1"=10'



PLAN (PROJECT #8)
SCALE: 1"=10'

22ND AVENUE BRIDGE AT CLARKS FORK KINGS RIVER
Br. No. 45C0015

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL



REVISIONS	DATE	BY

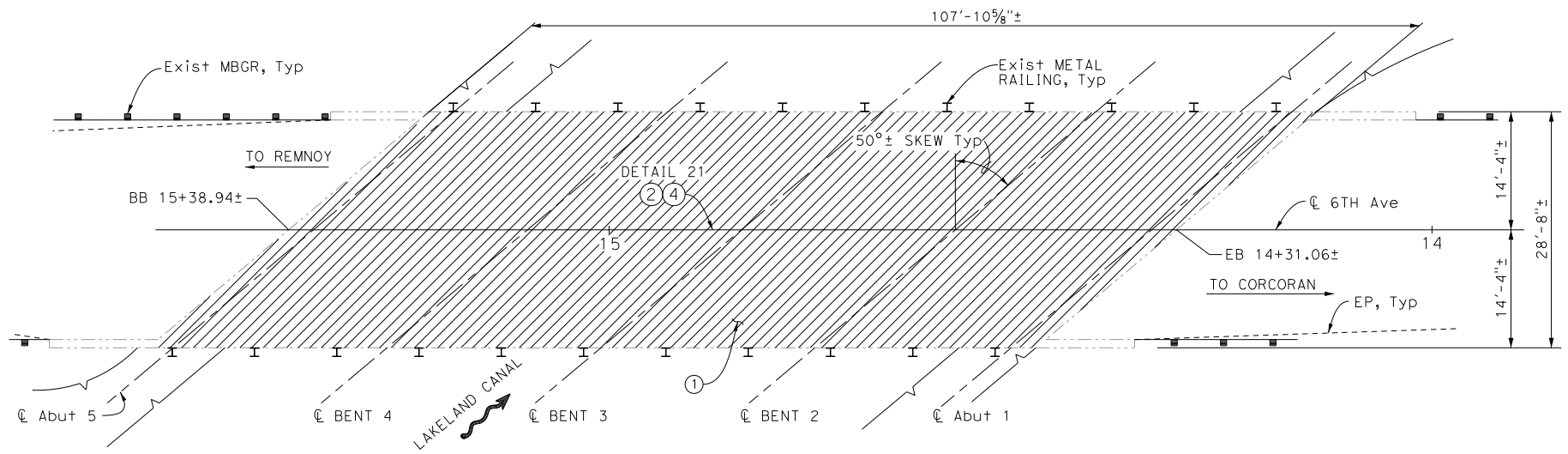
KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM
NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

GENERAL PLAN
Br. No. 45C0015
BRIDGE PREVENTIVE MAINTENANCE PROJECT
KINGS COUNTY

SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	16_KIN_45C-a-gp01.dgn
DATE	2/9/2023
SHEET No.	



PLAN (PROJECT #3)

SCALE: 1" = 10'
 6TH AVENUE BRIDGE AT LAKELAND CANAL
 Br. No. 45C0081

GENERAL NOTES:

- For removal of unsound concrete quantities, a 2" depth is assumed.

LEGEND:

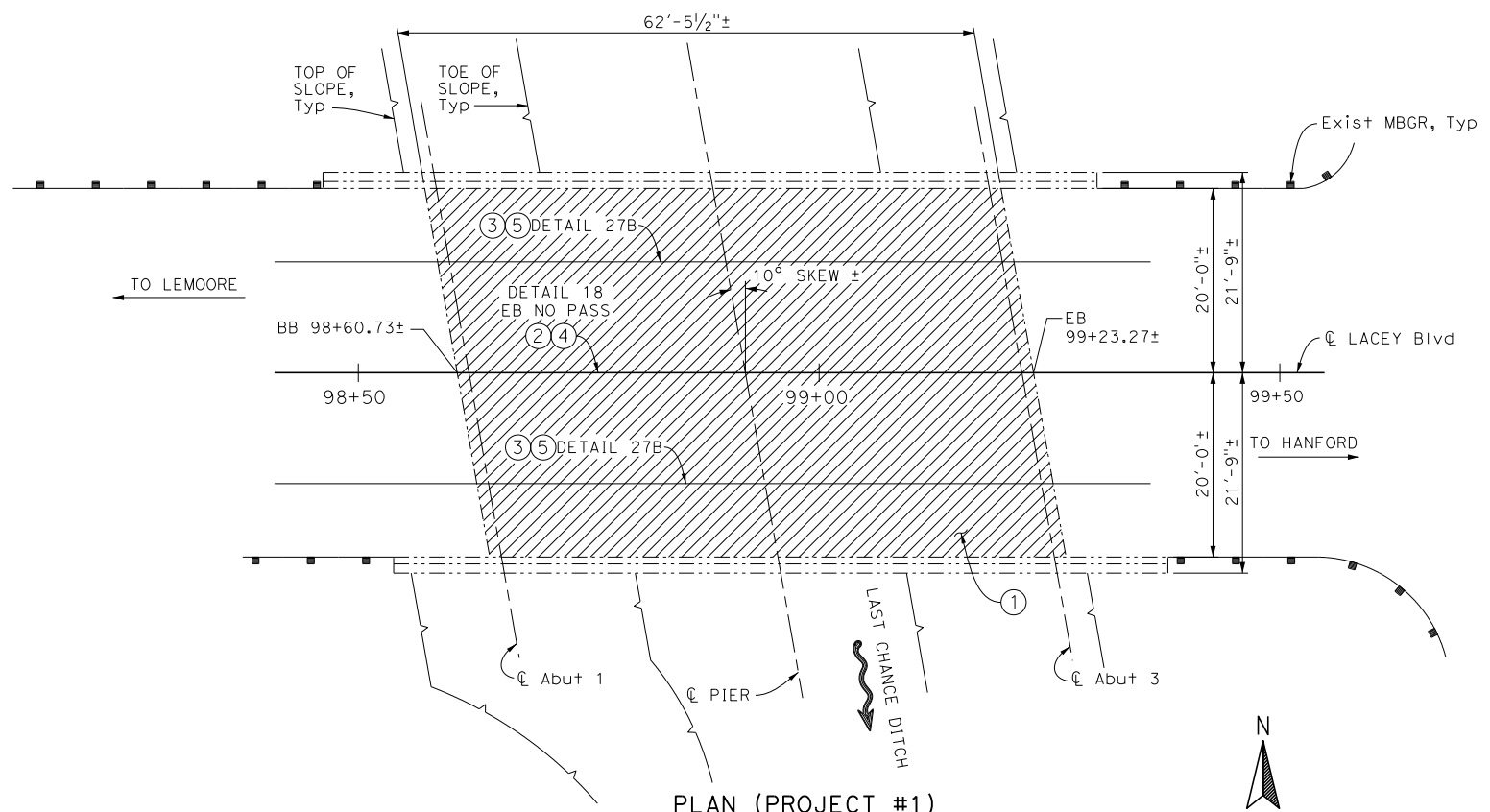
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate
- Indicates Existing Structure
- Indicates Direction of Flow

NOTES:

- Repair spalled surface area throughout the deck
- Remove center yellow painted traffic stripe from BB to EB
- Remove edge white painted traffic stripe from BB to EB
- Paint 2-coat yellow center painted traffic stripe from BB to EB per Caltrans RSP A20A
- Paint 2-coat white painted edge stripe from BB to EB per Caltrans Standard Plan A20B

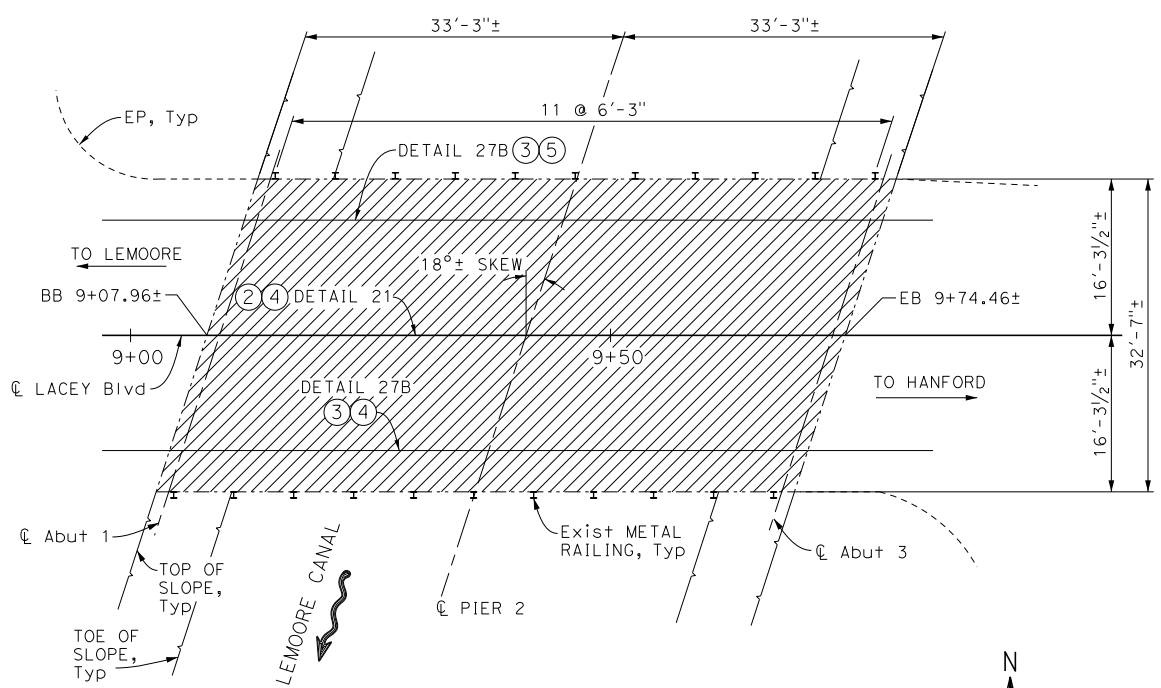
QUANTITIES

ITEM	UNIT	QUANTITY		
		45C0033	45C0044	45C0081
PUBLIC SAFETY PLAN	LS	1	1	1
REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	63	67	108
REPAIR SPALLED SURFACE AREA	SOFT	125		
REMOVE UNSOUND CONCRETE	CF	27		
PREPARE CONCRETE BRIDGE DECK SURFACE	SOFT	2499	2167	3093
TREAT BRIDGE DECK	SOFT	2499	2167	3093
FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL	28	25	35
PAINT TRAFFIC STRIPE (2-COAT)	LF	188	200	108
REMOVE PAINTED TRAFFIC STRIPE	LF	126	133	



PLAN (PROJECT #1)

SCALE: 1" = 10'
 LACEY Blvd BRIDGE AT LAST CHANCE DITCH
 Br. No. 45C0033



PLAN (PROJECT #2)

SCALE: 1" = 10'
 LACEY Blvd BRIDGE AT LEMOORE CANAL
 Br. No. 45C0044

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL



REVISIONS

No.	DESCRIPTION	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
 1400 W. LACEY BOULEVARD
 HANFORD, CA 93230



NCM ENGINEERING CORPORATION
 1322 E. SHAW AVE., SUITE 340
 FRESNO, CA 93710
 559-492-3016



GENERAL PLAN
 Br. No's. 45C0033, 45C0044 & 45C0081
 BRIDGE PREVENTIVE MAINTENANCE PROJECT
 KINGS COUNTY

SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	17_KIN_45C-a-gp01.dgn
DATE	2/6/2023
SHEET	No.

QUANTITIES

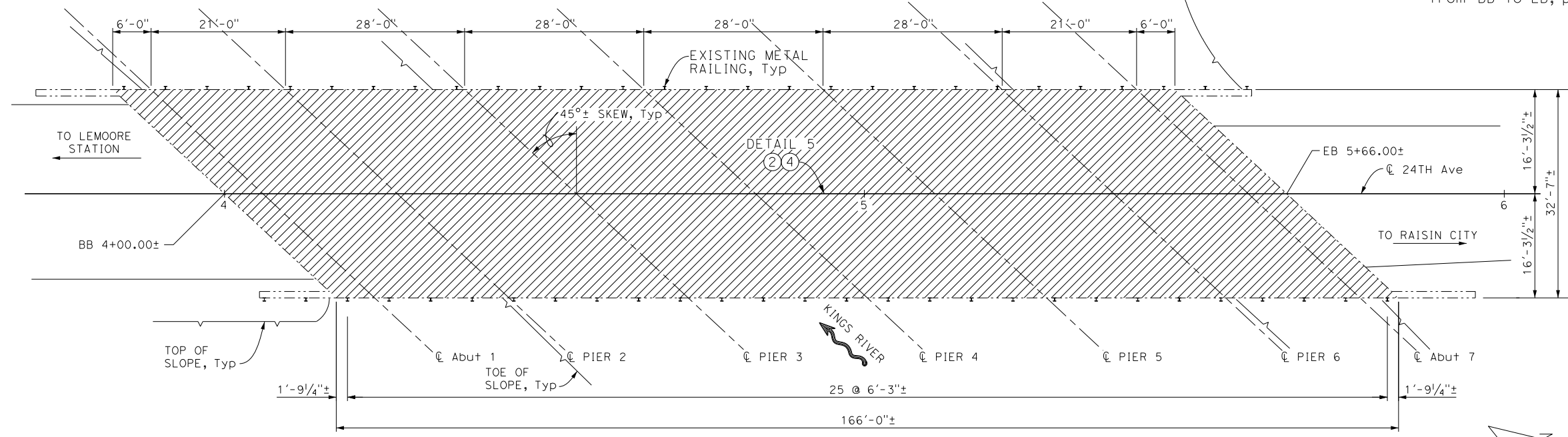
ITEM	UNIT	QUANTITY	
		45C0095	45C0096
REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	194	166
PUBLIC SAFETY PLAN	LS	1	1
PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	6322	5409
TREAT BRIDGE DECK	SQFT	6322	5409
FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL	71	61
PAINT TRAFFIC STRIPE (2-COAT)	LF	194	166

LEGEND:

- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate
- Indicates Existing Structure
- Indicates Direction of Flow

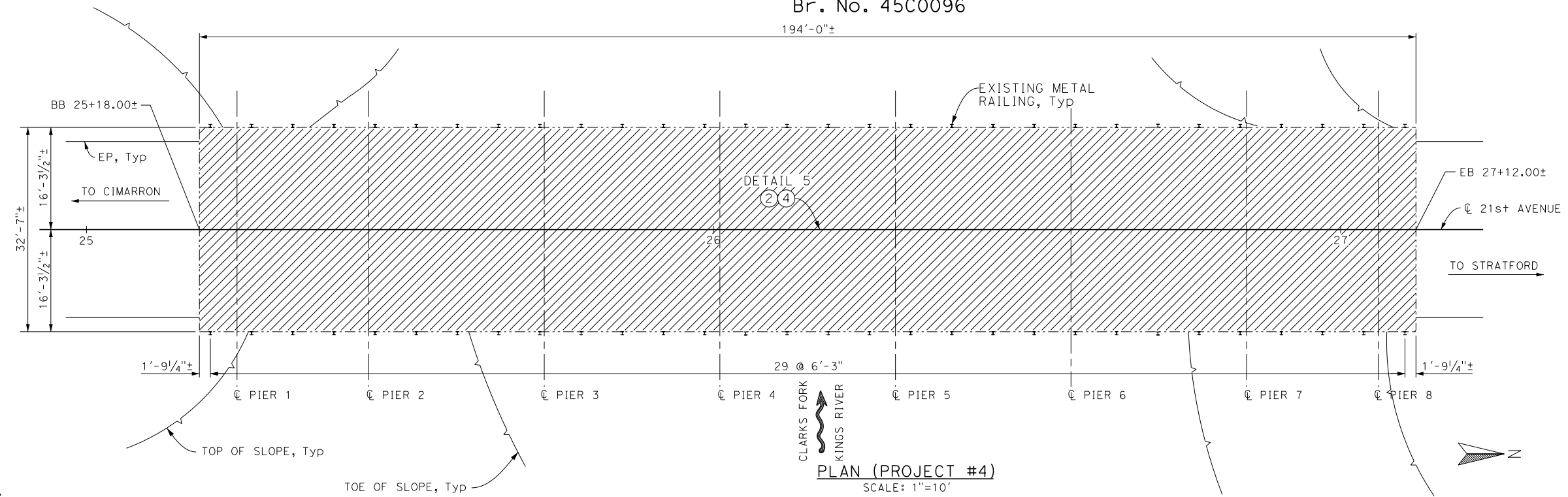
NOTES:

- Remove broken center yellow painted traffic stripe from BB to EB
- Paint 2-coat yellow center painted traffic stripe from BB to EB, per Caltrans RSP A20A



PLAN (PROJECT #5)
SCALE: 1"=10'

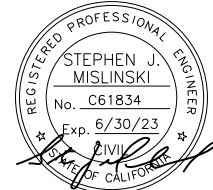
24TH AVENUE BRIDGE AT KINGS RIVER Br. No. 45C0096



PLAN (PROJECT #4)
SCALE: 1"=10'

21st AVENUE BRIDGE AT CLARK FORK KINGS RIVER Br. No. 45C0095

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL



REVISIONS	DESCRIPTION	DATE	BY
No.			

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230

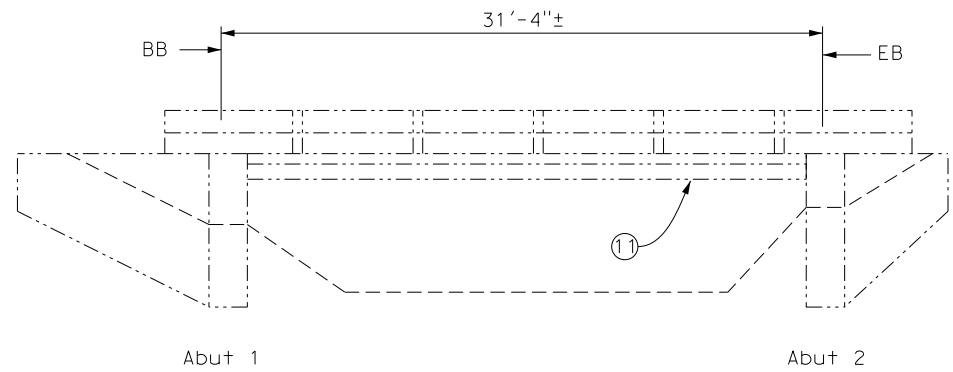


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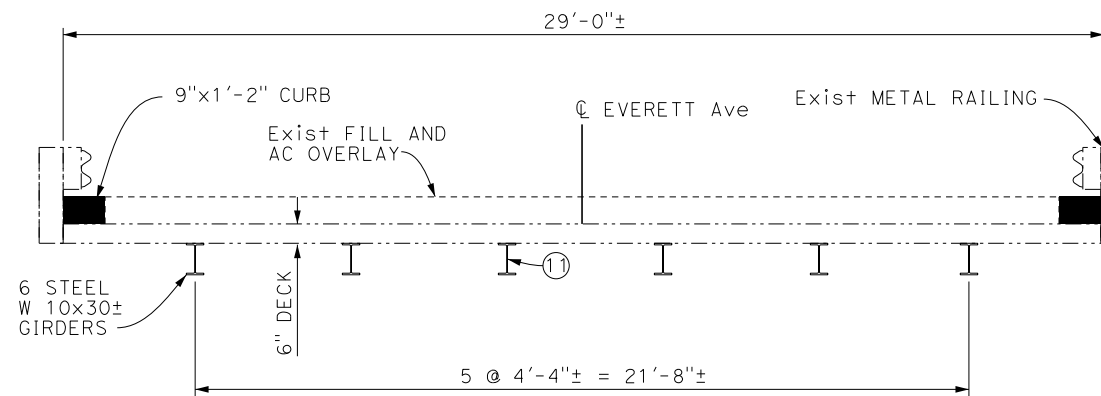
NCM

GENERAL PLAN
Br. No's 45C0095 & 45C0096
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

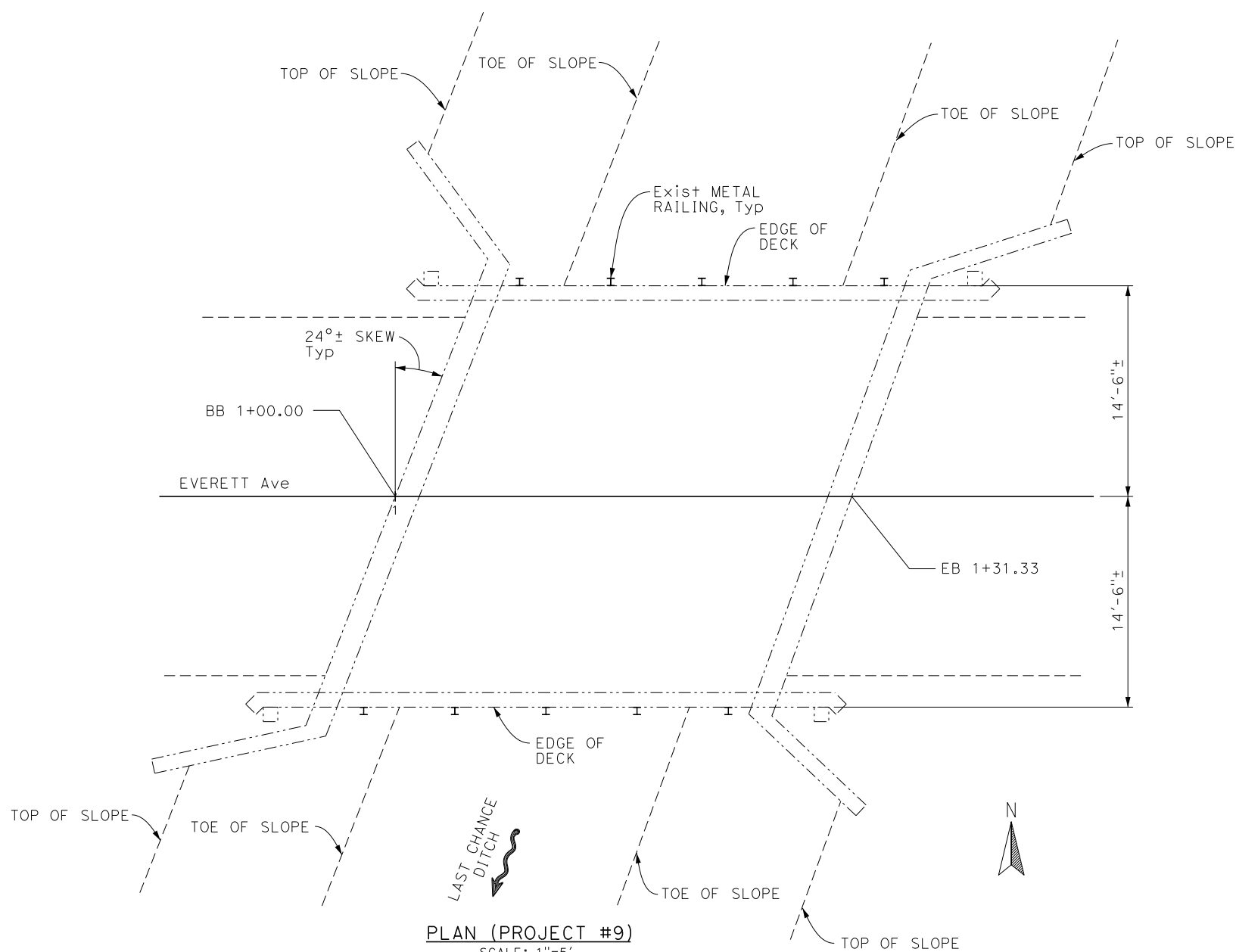
SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	18_KIN_45C-a-gp01.dgn
DATE	2/3/2023
SHEET No.	



ELEVATION
SCALE: 1"=5'



TYPICAL SECTION
SCALE: 3/8"=1'-0"



PLAN (PROJECT #9)
SCALE: 1"=5'

EVERETT AVENUE BRIDGE AT LAST CHANCE DITCH
Br. No. 45C0101

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS BEFORE
ORDERING OR FABRICATING ANY MATERIAL

LEGEND:

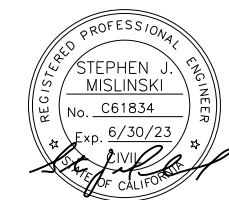
- Indicates Existing Structure
- ~~~~~ Indicates Direction of Flow

NOTES:

- ⑪ Repair area of peeled paint on girder 3 near Abutment 2
Approx 6.5 feet long area on the web

QUANTITIES

ITEM	UNIT	QUANTITY
SPOT BLAST CLEAN AND PAINT UNDERCOAT	SQFT	5



REVISIONS	DESCRIPTION	DATE	BY
No.			

KINGS COUNTY PUBLIC
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HANFORD, CA 93230

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CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

GENERAL PLAN
Br. No. 45C0101
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	19_KIN_45C-a-gp01.dgn
DATE	2/3/2023
SHEET No.	

QUANTITIES

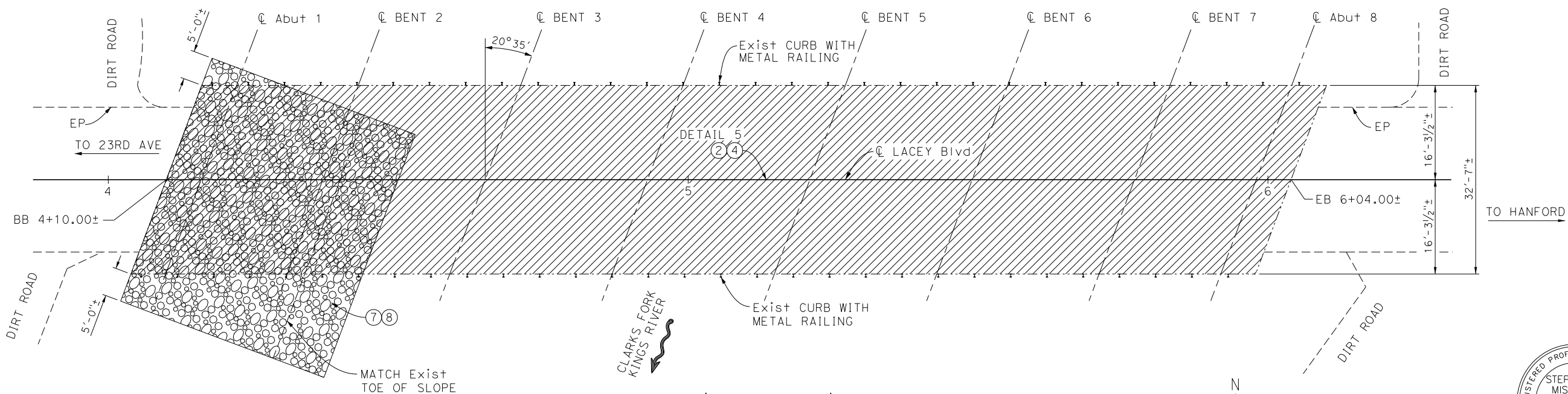
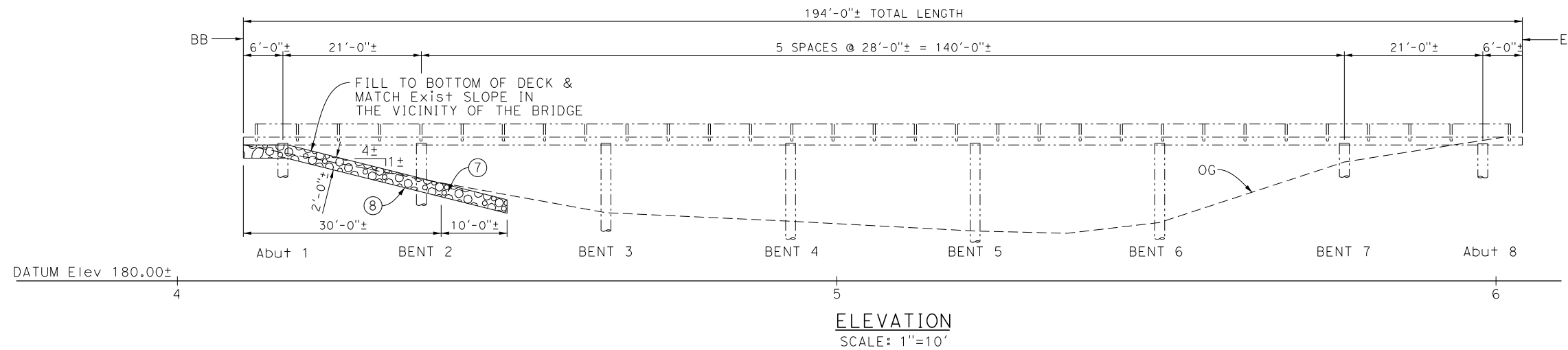
ITEM	UNIT	QUANTITY
TEMPORARY HIGH-VISIBILITY FENCE	LF	400
REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	194
PUBLIC SAFETY PLAN	LS	1
PREPARE CONCRETE BRIDGE DECK SURFACE	SOFT	6322
TREAT BRIDGE DECK	SOFT	6322
FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL	71
ROCK SLOPE PROTECTION (150lb, Class III, METHOD B)(CY)	CY	137
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SOYD	246
PAINT TRAFFIC STRIPE (2-COAT)	LF	194

NOTES:

- ② Remove broken center yellow painted traffic stripe from BB to EB
- ④ Paint 2-coat yellow center painted traffic stripe from BB to EB per Caltrans RSP A20A
- ⑦ Prepare grade and add 2' RSP Class III (Method B)
- ⑧ RSP Fabric Class 8

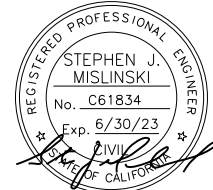
LEGEND:

- Indicates limits of Rock Slope Protection, Class III (Method B)
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate
- Indicates Existing Structure
- Indicates Direction of Flow



NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

PLAN (PROJECT #6)
SCALE: 1"=10'
LACEY Blvd BRIDGE AT CLARKS FORK KINGS RIVER
Br. No. 45C0113



REVISIONS	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230



NCM ENGINEERING CORPORATION
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FRESNO, CA 93710
559-492-3016



GENERAL PLAN
Br. No. 45C0113
BRIDGE PREVENTIVE MAINTENANCE PROJECT
KINGS COUNTY

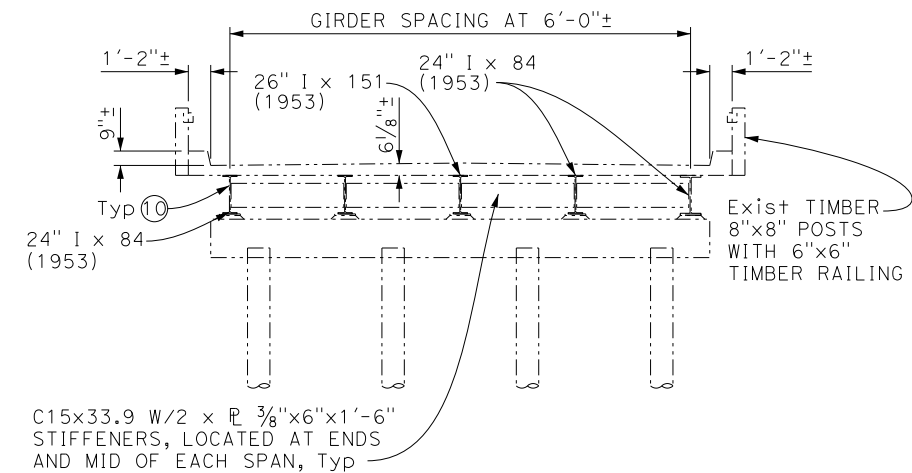
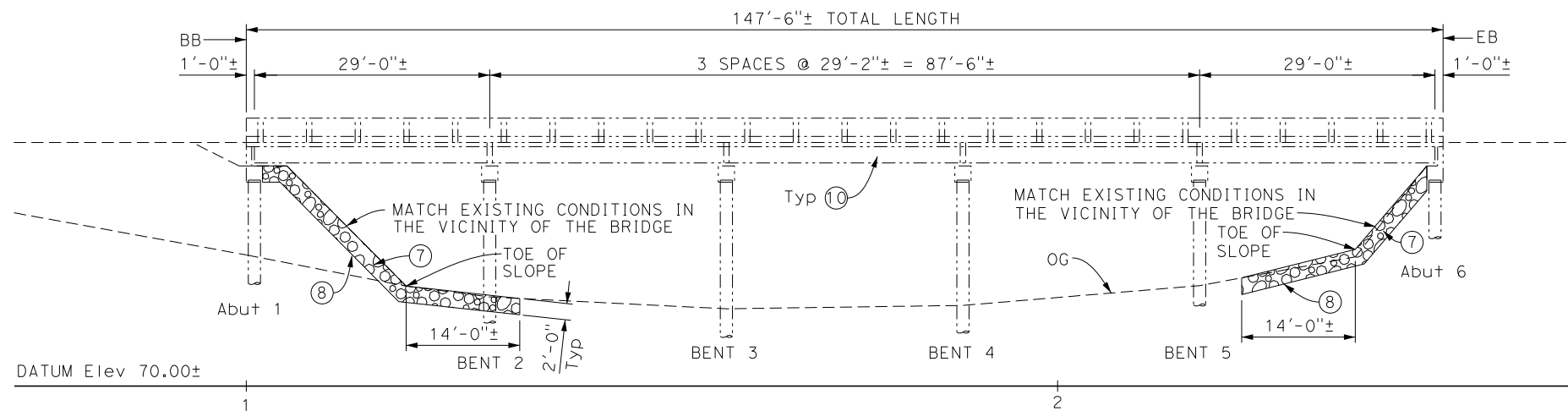
SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	20_KIN_45C-a-gp01.dgn
DATE	2/9/2023
SHEET No.	

NOTES:

- ② Remove broken center yellow painted traffic stripe from BB to EB
- ④ Paint 2-coat yellow center painted traffic stripe from BB to EB per Caltrans RSP A20A
- ⑦ Prepare grade and add 2' RSP Class III (Method B)
- ⑧ RSP Fabric Class 8
- ⑨ Replace Joint Seal (Type A)
- ⑩ Clean and Paint All Existing Structural Steel Elements

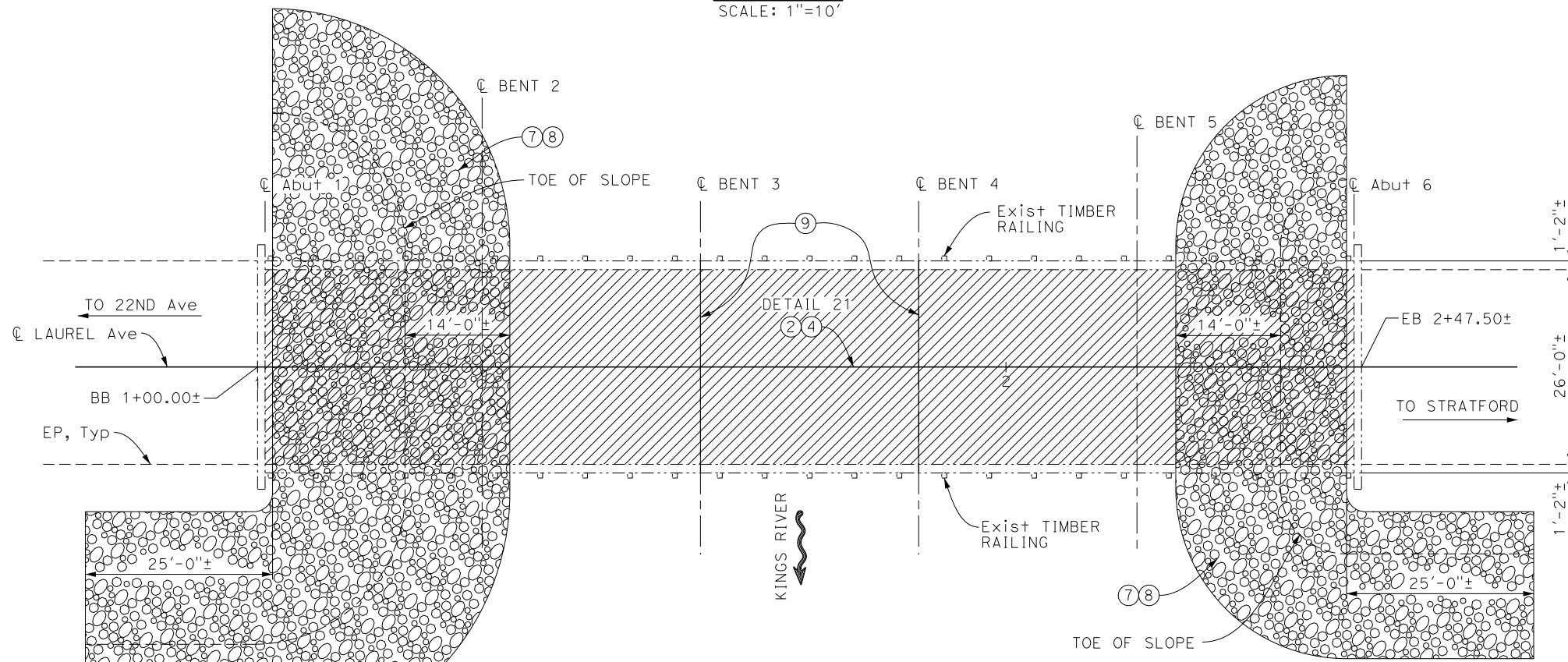
LEGEND:

- Indicates limits of Rock Slope Protection, Class III (Method B)
- Indicates limits of prepare concrete bridge deck surface and treat bridge deck with methacrylate
- Indicates Existing Structure
- Indicates Direction of Flow



ELEVATION
SCALE: 1"=10'

TYPICAL SECTION
SCALE: 1"=5'



PLAN (PROJECT #10)
SCALE: 1"=10'

LAUREL AVENUE BRIDGE AT KINGS RIVER
Br. No. 45C0114

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

QUANTITIES

ITEM	UNIT	QUANTITY
TEMPORARY HIGH-VISIBILITY FENCE	LF	650
REMOVE YELLOW PAINTED TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	148
CLEAN EXPANSION JOINT	LF	60
JOINT SEAL (TYPE A)	LF	60
CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LS	1
PUBLIC SAFETY PLAN	LS	1
PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	3783
TREAT BRIDGE DECK	SQFT	3783
FURNISH BRIDGE DECK TREATMENT MATERIAL	GAL	43
ROCK SLOPE PROTECTION (150lb, Class III, METHOD B)(CY)	CY	460
ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	801
PAINT TRAFFIC STRIPE (2-COAT)	LF	148

REVISIONS	DATE	BY

KINGS COUNTY PUBLIC WORKS DEPARTMENT
1400 W. LACEY BOULEVARD
HANFORD, CA 93230

NCM ENGINEERING CORPORATION
1322 E. SHAW AVE., SUITE 340
FRESNO, CA 93710
559-492-3016

NCM

GENERAL PLAN
Br. No. 45C0114
BRIDGE PREVENTIVE
MAINTENANCE PROJECT
KINGS COUNTY

SCALE	AS SHOWN
DIVISION	DESIGN
JOB NO.	
DESIGNED	R. PRICE
DRAWN	A. SEGURA
CHECKED	S. MISLINSKI
FILE	21_KIN_45C-a-gp01.dgn
DATE	2/9/2023
SHEET No.	

