

- TCP NOTES FOR CITY OF HAWKINS:
- IF APPLICABLE OR IF REQUIRED, PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PLACED NO LESS THAN 7 DAYS PRIOR TO CONSTRUCTION ON OR NEAR ROADWAY. SEE BELOW FOR PCMS MESSAGES.
  - THE PROVISIONS CONTAINED IN THE TEXAS MUTCD SHALL APPLY TO THIS TCP INSTALLATION AND MAINTENANCE.
  - SIGN SPACING IS TO COMPLY WITH TABLE 6C-1 OF THE TEXAS MUTCD AS SHOWN ON THIS SHEET.
  - CONTRACTOR SHALL INSPECT THE TCP INSTALLATION TO ASSURE ADEQUATE VEHICLE AND PEDESTRIAN VISIBILITY.
  - CONTRACTOR SHALL MONITOR THE TCP INSTALLATION AND NOTIFY THE ENGINEER OF ANY POSSIBLE DEFICIENCIES.
  - TRAFFIC CONTROL DEVICES SHOWN ARE CONSIDERED MINIMUM FOR TRAFFIC CONTROL. ADDITIONAL TRAFFIC CONTROL DEVICES JUN BE REQUIRED BY AS DIRECTED BY THE COUNTY, CITY, OR TXDOT.
  - ONLY PRODUCTS APPROVED BY TXDOT, CITY OR COUNTY OFFICIALS SHALL BE USED.

Advance Warning Sign Spacing	
Posted Speed	Sign Spacing
25	100'
30	120'
35	160'
40	240'
45	320'
50	400'
55	500'
60	600'
65	700'
70	800'
75	900'

Taken from Texas MUTCD Table 6C-1

M1-6F  
24"x 24"

M5-3T 21"x15"

EAST

M3-1 30"x 15"

M6-3 21"x15"

M5-2 21"x15"

M6-1 21"x15"

M5-1 21"x15"

ROAD CLOSED  
XX MILES AHEAD  
LOCAL TRAFFIC ONLY

R11-3a  
60"x 30"

DETOUR

M4-10L 48"x18"

DETOUR

M4-10R 48"x18"

DETOUR  
1500 FT

CW20-2A  
48"x 48"

END  
DETOUR

M4-8a  
24"x 18"

LEGEND

DETOUR ROUTE

RAILROAD CONSTRUCTION

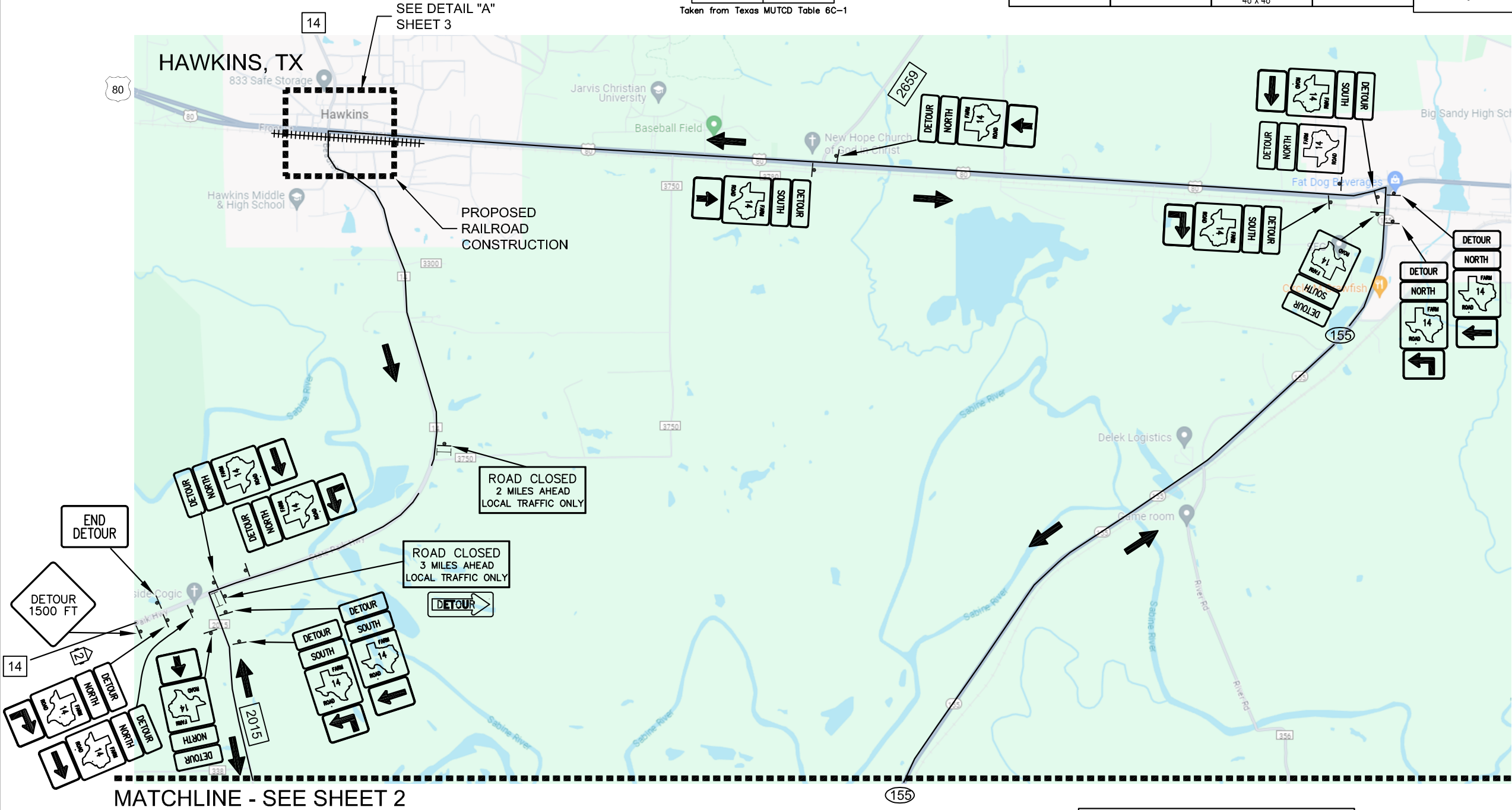
DETOUR TRAFFIC FLOW

EXISTING TRAFFIC FLOW

TYPE III BARRICADES  
(MIN OF 3 BARRICADES REQUIRED  
ON EACH SIDE OF CROSSING)

RAILROAD TRACKS

DETOUR SIGN



DURING CONSTRUCTION

FM 14  
CLOSED AT  
RR XING

USE  
DETOUR  
ROUTE

OVERALL MAP  
(NORTHERN PORTION)  
FM 14  
CLOSED AT  
RAILROAD CROSSING

STATE OF TEXAS  
RANDELL J. SMITH  
110317  
LICENSED  
PROFESSIONAL ENGINEER

RANDELL J. SMITH, PE 7.10.2024

DESIGNED BY: RJS

RR CONTRACTOR: RANDELL J. SMITH, PE

DETOUR CONT: 200 RANCHETTE CT

DATE: JUL 2024

JOB NUMBER: TCP24118

RJS CIVIL ENGINEERING, LLC

2012  
RJS  
CIVIL  
ENGINEERING

SCALE: N.T.S.

FM 14  
CLOSED @ RAILROAD CROSSING  
TRAFFIC CONTROL PLAN  
HAWKINS, TX

1 OF 4

TCP NOTES FOR CITY OF HAWKINS:

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ROAD CLOSED  
R11-2  
W/TYPE III  
BARRICADE  
48 X 30

DETOUR  
M4-10L 48"x18"  
DETOUR  
M4-10L 48"x18"

DETOUR AHEAD  
CW20-2D  
48"x 48"

FARM ROAD  
XXXX  
M1-6F  
24"x 24"

M5-3T 21"x15"  
EAST  
M3-1 30"x 15"

M6-3 21"x15"  
M5-2 21"x15"

M6-1 21"x15"  
M5-1 21"x15"

ROAD CLOSED  
500 FT  
CW20-3C  
48"x 48"

ROAD CLOSED  
1000 FT  
CW20-3B  
48"x 48"

END  
DETOUR  
M4-8a  
24"x 18"

ROAD CLOSED  
TO  
THRU TRAFFIC  
R11-4  
60"x 30"

LEGEND

DETOUR ROUTE

RAILROAD CONSTRUCTION

DETOUR TRAFFIC FLOW

EXISTING TRAFFIC FLOW

TYPE III BARRICADES  
(MIN OF 3 BARRICADES REQUIRED  
ON EACH SIDE OF CROSSING)

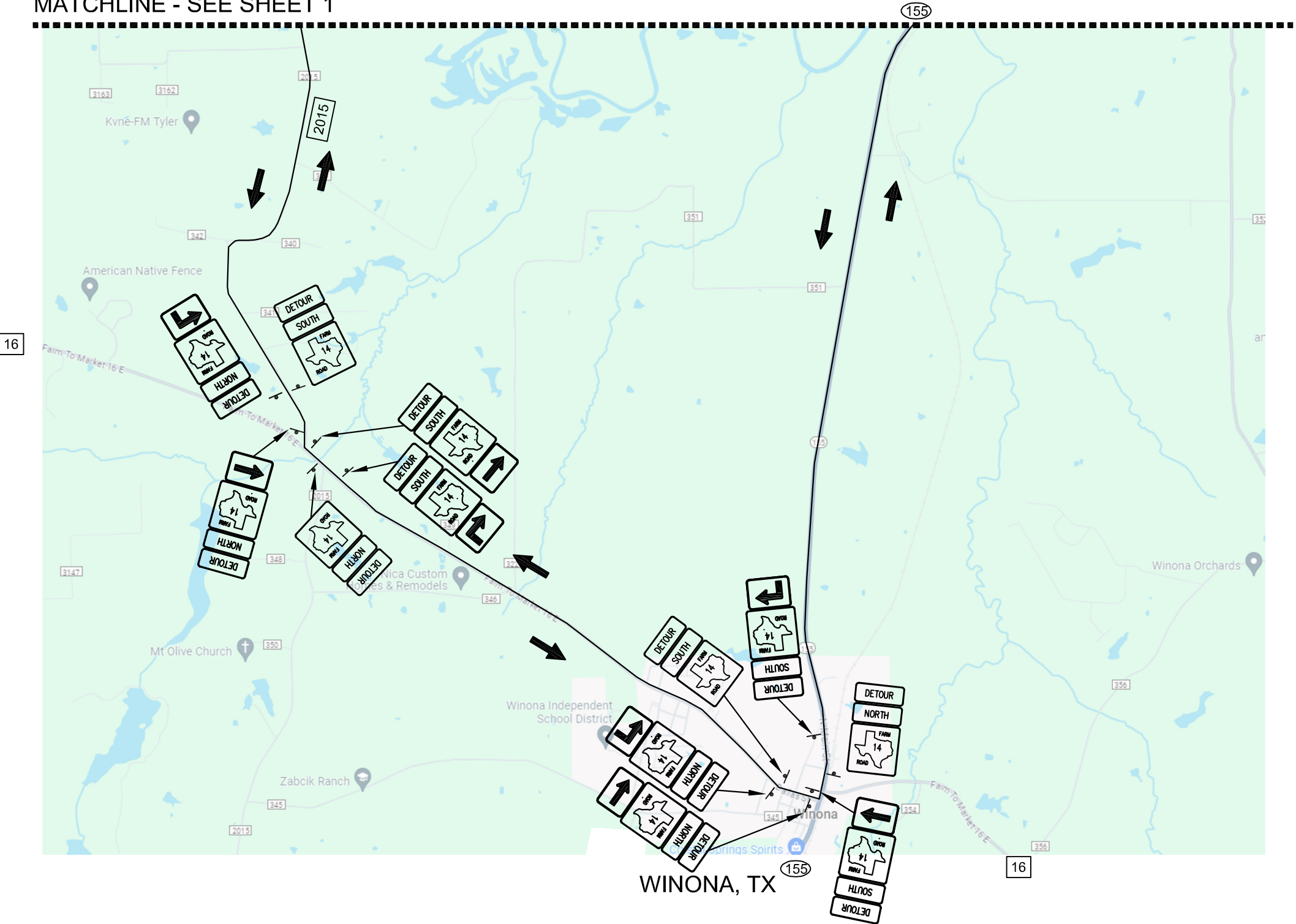
RAILROAD TRACKS

DETOUR SIGN

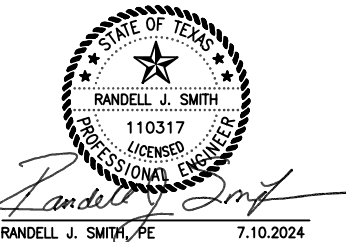
Advance Warning Sign Spacing	
Posted Speed	Sign Spacing
25	100'
30	120'
35	160'
40	240'
45	320'
50	400'
55	500'
60	600'
65	700'
70	800'
75	900'

Taken from Texas MUTCD Table 6C-1

MATCHLINE - SEE SHEET 1



OVERALL MAP  
(SOUTHERN PORTION)  
FM 14  
CLOSED AT  
RAILROAD CROSSING



DESIGNED BY: RJS

RR CONTRACTOR: RJS CIVIL ENGINEERING, LLC

DETOUR CONT: RANDALL J. SMITH, PE

DATE: 200 RANCHETTE CT

JUL 2024 BRYAN, TX 77808

JOB NUMBER: RJS CIVIL ENGINEERING@GMAIL.COM

TCF24118 REGISTRATION #F-14130



SCALE: N.T.S.

FM 14  
CLOSED @ RAILROAD CROSSING  
TRAFFIC CONTROL PLAN  
HAWKINS, TX



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M4-10L 48"x18"

R11-2  
W/TYPE III  
BARRICADE  
48 X 30

M1-6F  
24"x 24"

M5-3T 21"x15"

M3-1 30"x 15"

M4-10L 48"x18"

CW20-2D  
48"x 48"

R3-1  
24"x 24"

R3-2  
24"x 24"

M4-8a  
24"x 18"

CW20-2A  
48"x 48"

LEGEND

DETOUR ROUTE

RAILROAD CONSTRUCTION

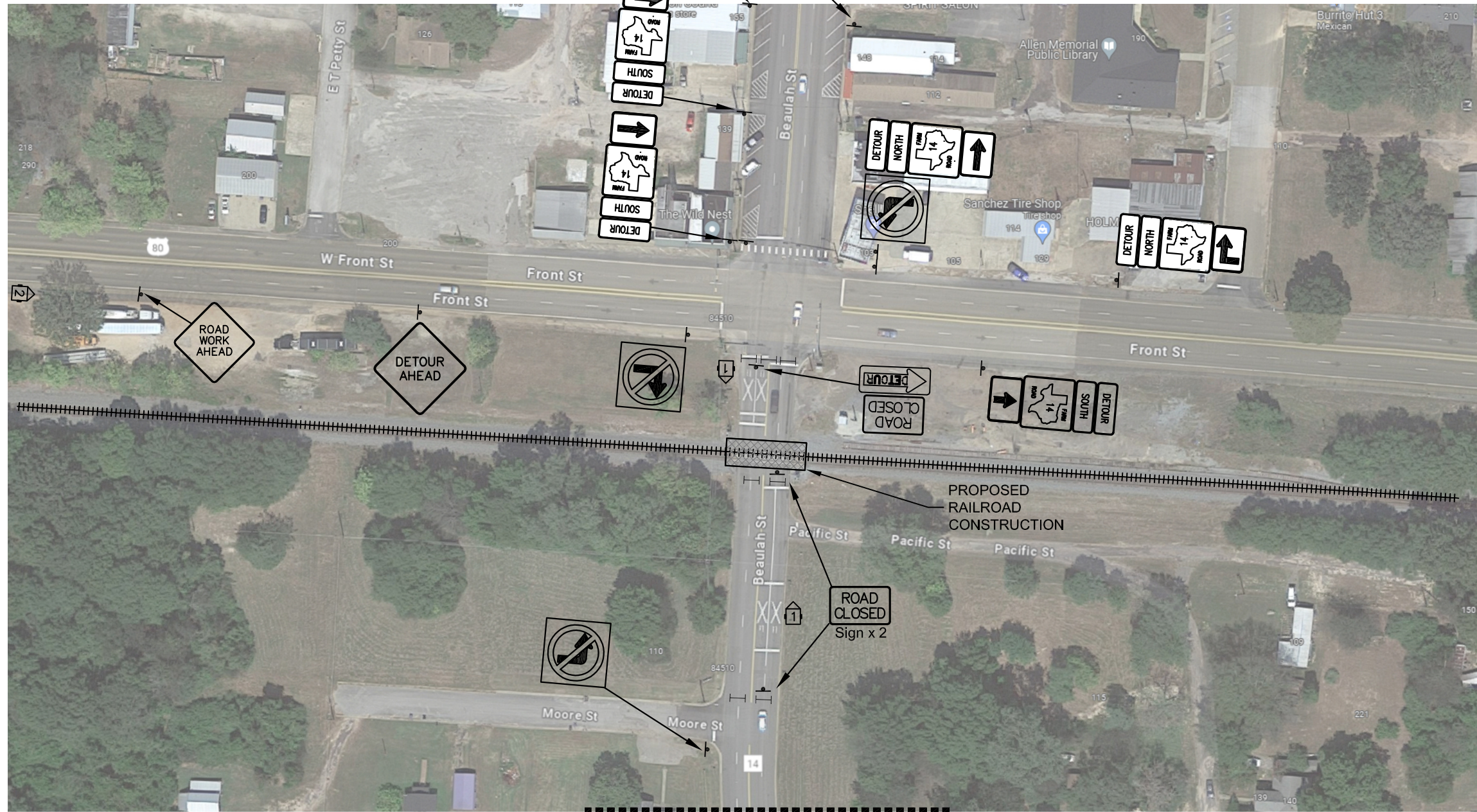
DETOUR TRAFFIC FLOW

EXISTING TRAFFIC FLOW

TYPE III BARRICADES  
(MIN OF 3 BARRICADES REQUIRED  
ON EACH SIDE OF CROSSING)

RAILROAD TRACKS

DETOUR SIGN



MATCHLINE - SEE SHEET 4

DETAIL A  
FM 14 CLOSED  
AT RAILROAD  
CROSSING

BEFORE CONSTRUCTION

FM 14  
CLSD AT  
RR XING

JUL 18-19  
X PM-  
X AM

DURING CONSTRUCTION

FM 14  
CLOSD AT  
RR XING

USE  
DETOUR  
ROUTE

Advance Warning Sign Spacing	
Posted Speed	Sign Spacing
25	100'
30	120'
35	160'
40	240'
45	320'
50	400'
55	500'
60	600'
65	700'
70	800'
75	900'

Taken from Texas MUTCD Table 6C-1

Randell J. Smith, PE  
7.10.2024

DESIGNED BY: RJS

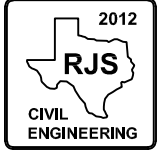
RR CONTRACTOR: RANDALL J. SMITH, PE  
200 RANCHETTE CT  
BRYAN, TX 77808

DETOUR CONT: ROADSAFE

DATE: JUL 2024

JOB NUMBER: TCP24118

RJS CIVIL ENGINEERING, LLC



SCALE: N.T.S.

FM 14  
CLOSED @ RAILROAD CROSSING  
TRAFFIC CONTROL PLAN  
HAWKINS, TX



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LEGEND			
Type 3 Barricade		Channelizing Devices	
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "A" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L=WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

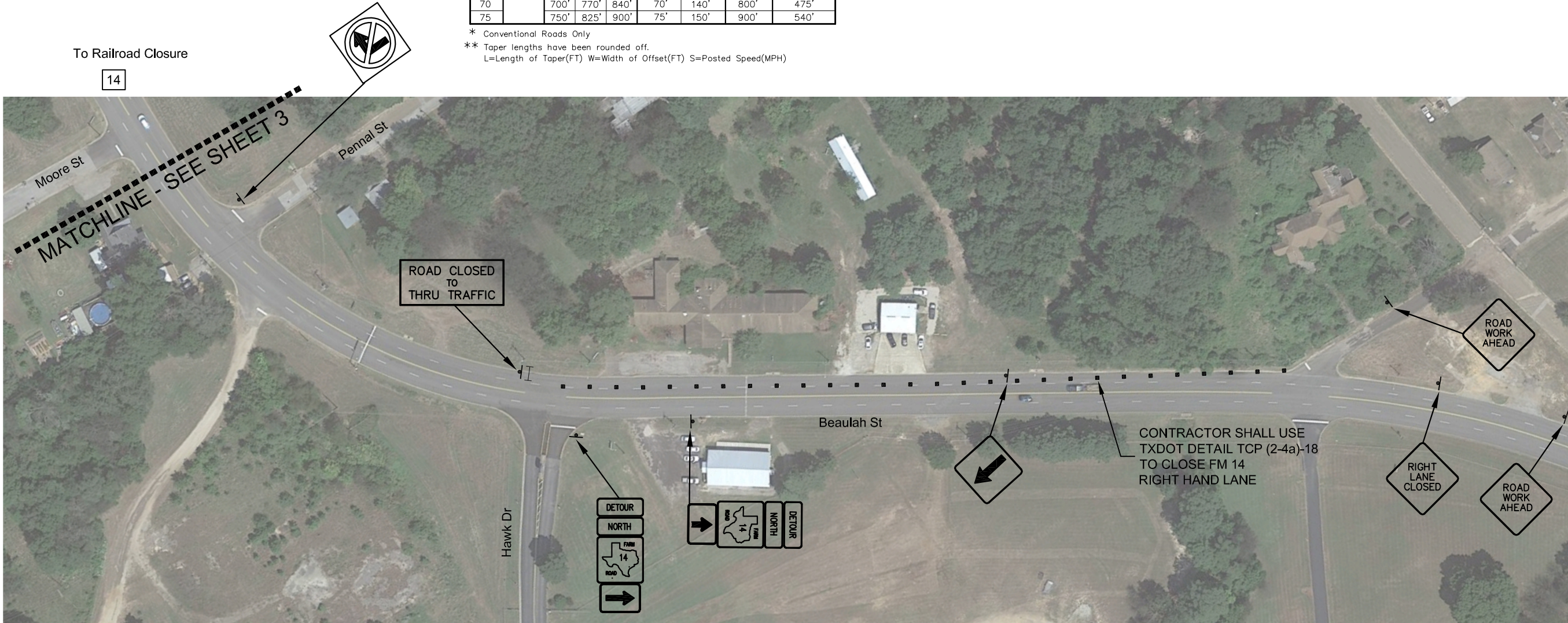
\* Conventional Roads Only  
\*\* Taper lengths have been rounded off.  
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

 CW20-1 48"x 48"	 R11-4 60"x 30"	 W20-5 48"x 48"	 R3-1 24"x 24"	 R3-2 24"x 24"	 CW1-6aT
 CW20-1 48"x 48"	 R11-4 60"x 30"	 W20-5 48"x 48"	 R3-1 24"x 24"	 R3-2 24"x 24"	 CW1-6aT

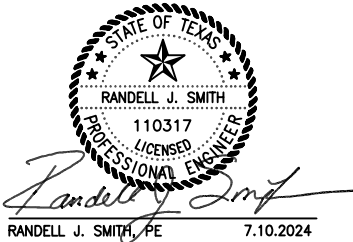
LEGEND	
	DETOUR ROUTE
	RAILROAD CONSTRUCTION
	DETOUR TRAFFIC FLOW
	EXISTING TRAFFIC FLOW
	TYPE III BARRICADES (MIN OF 3 BARRICADES REQUIRED ON EACH SIDE OF CROSSING)
	RAILROAD TRACKS
	DETOUR SIGN

To Railroad Closure

14



DETAIL B  
FM 14 LANE  
CLOSURE



DESIGNED BY: RJS

RR CONTRACTOR: RANDALL J. SMITH, PE

DETOUR CONT: 200 RANCHETTE CT

DATE: JUL 2024

JOB NUMBER: TCP24118

RJS CIVIL ENGINEERING, LLC

2012

RJS CIVIL ENGINEERING

SCALE: N.T.S.

FM 14  
CLOSED @ RAILROAD CROSSING  
TRAFFIC CONTROL PLAN  
HAWKINS, TX

4 OF 4