

REFERENCE DRAWINGS ONLY
ENGINEERS SEAL DOES NOT APPLY
TO DETAILS BELOW.

616.6.33 (TA-33) Lane Closure on Left or Right Lane on Divided Highway- MT

SPEED Posted (mph)	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL BUFFER LENGTH (ft.) (B)	CHANNELIZER SPACING (ft.)	
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)		Tapers	Buffer/ Work Areas
0-35	-	200	70	245	280	35	40
40-45	-	500	150	540	400	40	80
50-55	-	1000	185	660	560	50	80
60-70	-	SA - 1000 SB - 1500 SC - 2640	235	840	840	60	120

1 Shoulder taper length based on 10 ft. (standard shoulder width) offset. 2. Lane taper length based on 12 ft. (standard lane width) offset.

URBAN	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)	Channelizer		Protective Vehicle	
			Sign	Truck or Trailer Mounted Arrow Panel	Truck Mounted Attenuator (TMA)	Work Space
	1' Portable 7' Post	1 Mi.	(Advanced Warning Rail System) For Long Term Operations			
	1' Portable 7' Post	2 Mi.				

All protective vehicles shall be used while work is in progress. The protective vehicle shall be equipped with a TMA and flashing arrow panel and positioned at least 150 ft. in advance of the work space. The protective vehicle may be eliminated if the roadway is posted at 45 mph or below, the work vehicle is positioned in advance of the work space, and the work vehicle is equipped with a flashing arrow panel and uses activated rotating lights or strobe lights.

All vehicles, equipment, workers and their activities should be restricted to one side of the pavement.

The open lane shall be provided with a 10 ft. minimum driving surface at all times. This may include a portion of the shoulder, provided the shoulder is of adequate strength to handle traffic.

For short duration operations, signs and channelizers may be reduced or eliminated.

For mobile operations where workers are on foot and move with the operation, channelizers may be reduced or eliminated.

For operations in which channelizers are not used, the arrow mode shall be displayed on any flashing arrow panel located downstream of the taper.

Supplemental warning methods may be used to call attention to the work zone.

Additional warning signs shall be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs may be erected at other intersections within the work zone.

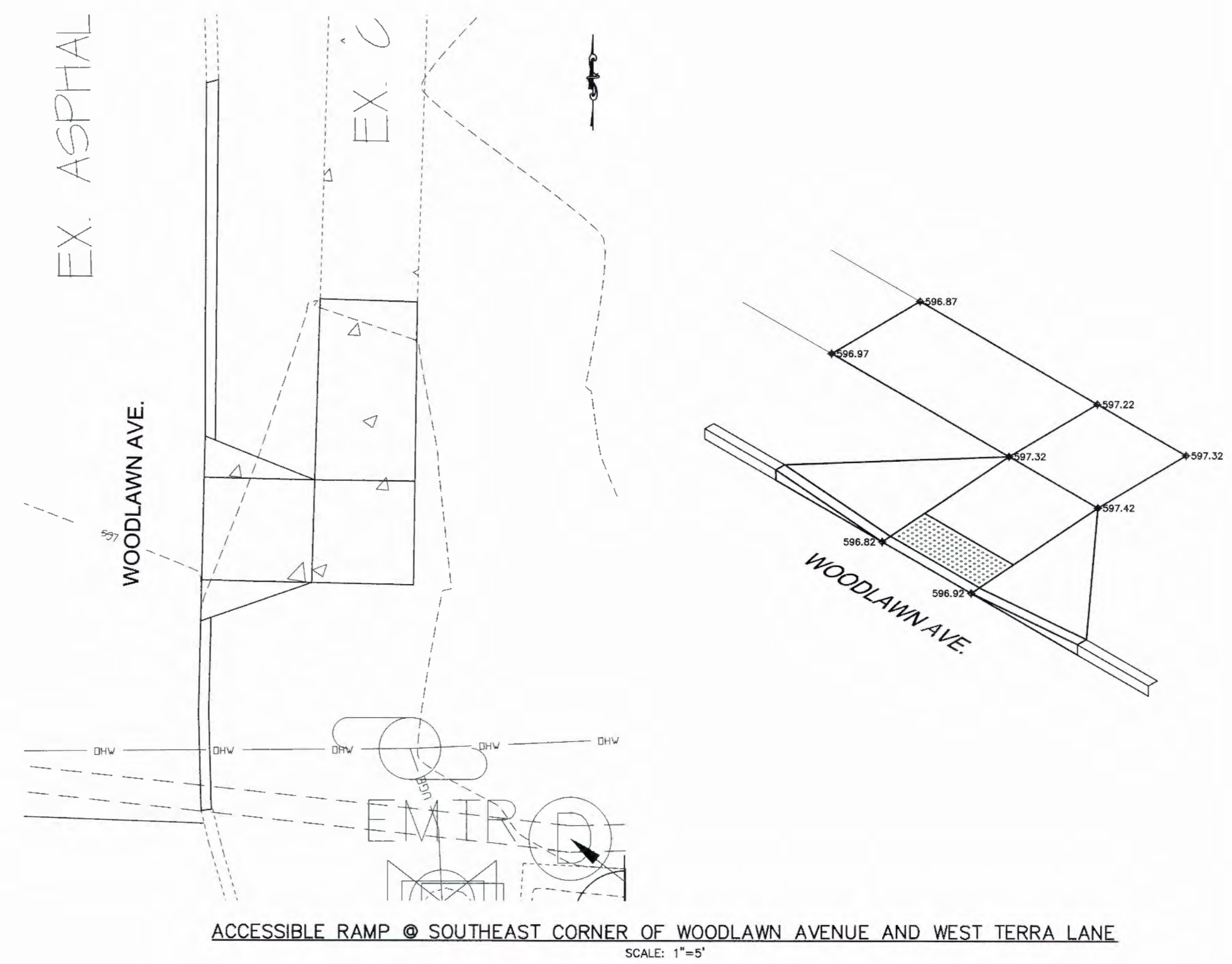
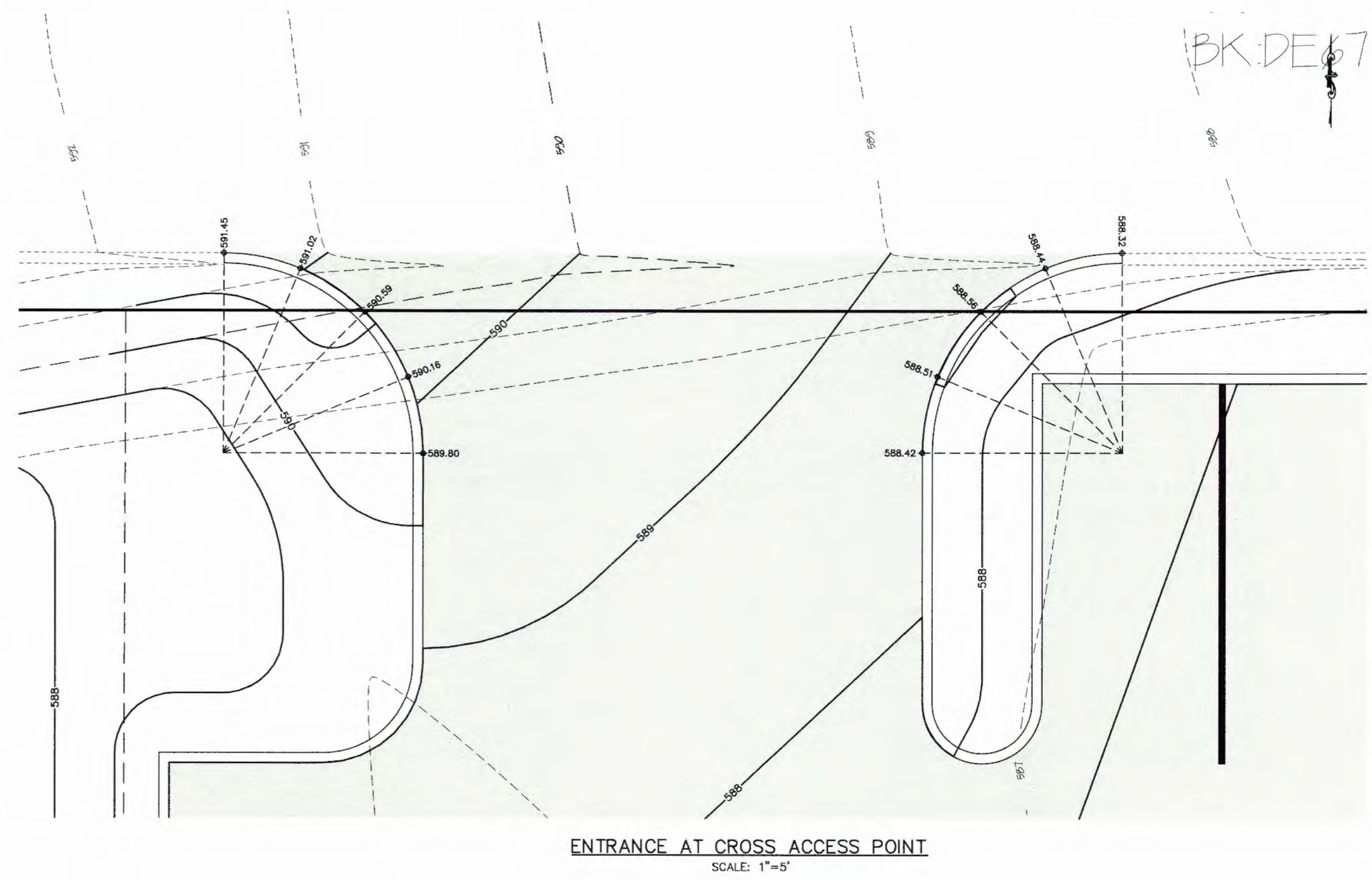
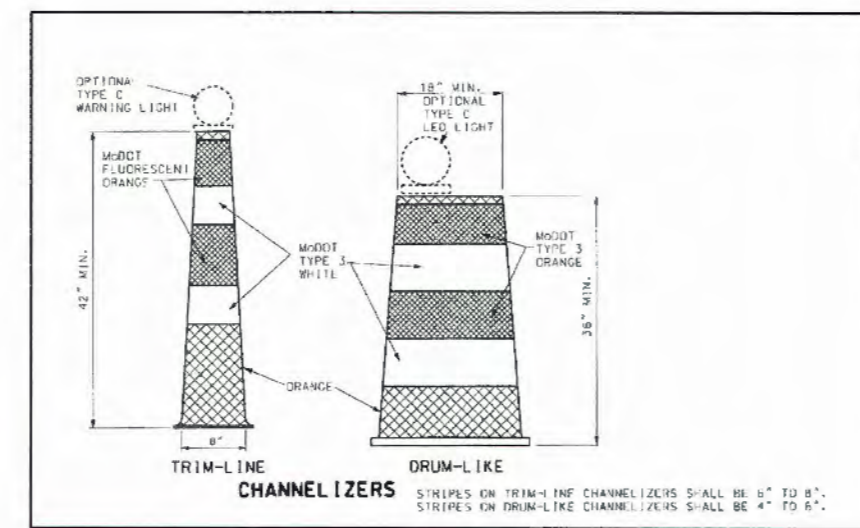
For nighttime operations, review EPG 616.6.83 WARNING LIGHTS for use of sequential lights.

If rumble strips are used, review EPG 616.6.87 RUMBLE STRIPS.

For long-term operations, EPG 616.6.2.2 Flags and Advance Warning Rail System.

SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

TA-33 1/16



PROJECT TITLE:
EL TIO PEPE MEXICAN RESTAURANT

315 WEST TERRA LANE
O'FALLON, ST. CHARLES, MISSOURI 63366

Box Project # 97-8651A Issue Date 04/12/2017

ENGINEERING PLANNING SURVEYING

221 Point West Blvd.
St. Charles, MO 63301
636-928-5532
FAX 636-928-1718

DISCLAIMER OF RESPONSIBILITY

I hereby specify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or projects.

CLIFFORD L. HEITMANN
NUMBER E-29817

CLIFFORD L. HEITMANN
CIVIL ENGINEER
E29817

Copyright 2017
Box Engineering Company, Inc.
Engineering Authority No. 000655
Surveying Authority No. 000144
All Rights Reserved.

REVISIONS

DATE	REVISION
09/19/17	CITY COMMENTS
10/04/17	CITY COMMENTS

Developer / Owner:
WR HOLMAN, LLC
2 HICKORY HILL DRIVE
O'FALLON, MISSOURI 63366
(636) 734-1815

ENTRANCE DETAILS

P+Z No.
33-14.01

CUP No.
33-14.01.01

Page No.
15 of 18

LEFT SIDE OF ROAD - 8/1/2017 - 8/1/2017 - 8/1/2017 - 8/1/2017 - 8/1/2017
FILE LOCATION: \\LOCAL\SERVER\CONV\30\PROJECTS\33314_315 WEST TERRA\CONSTRUCTION\97-8651A_CON.DWG