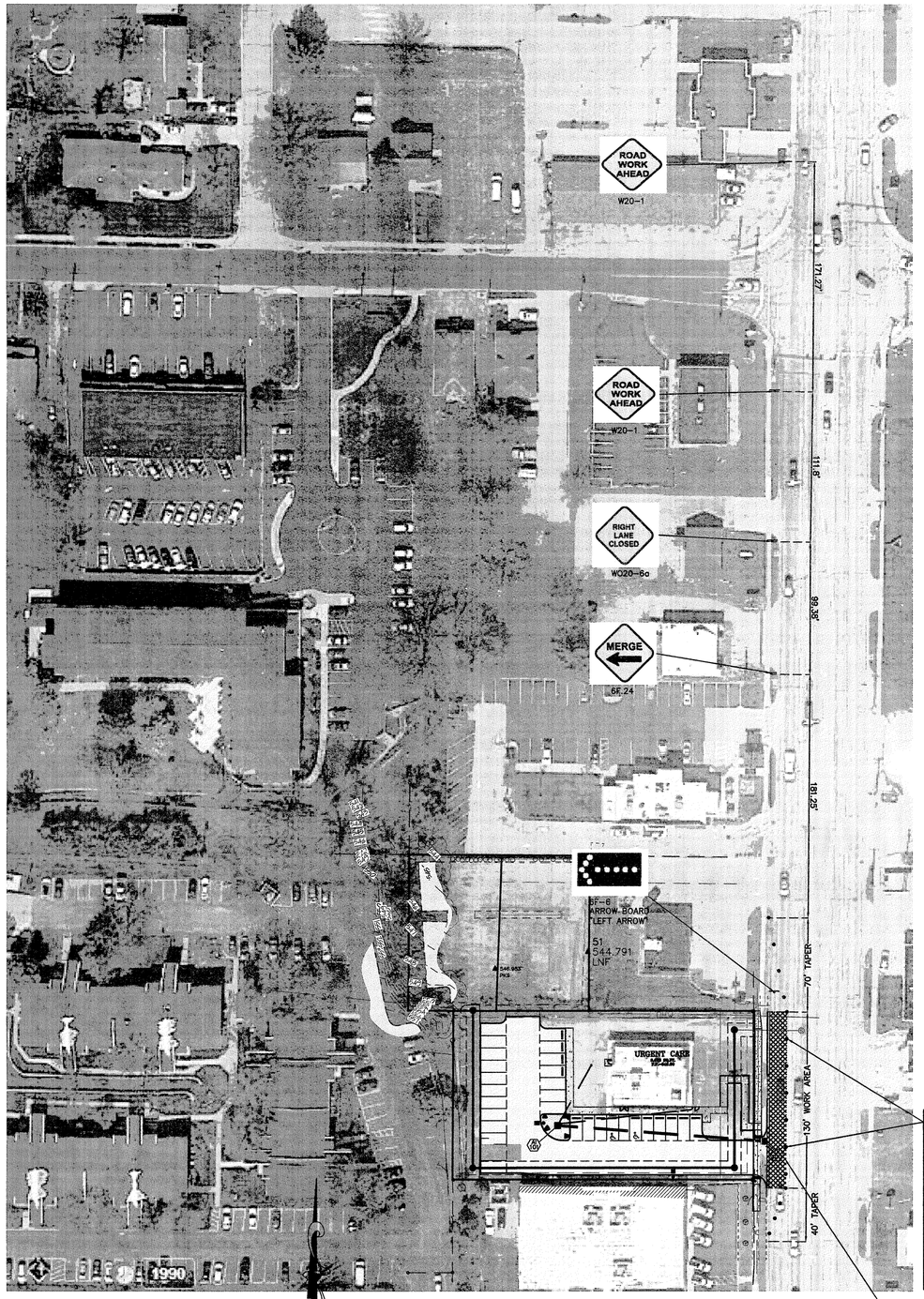
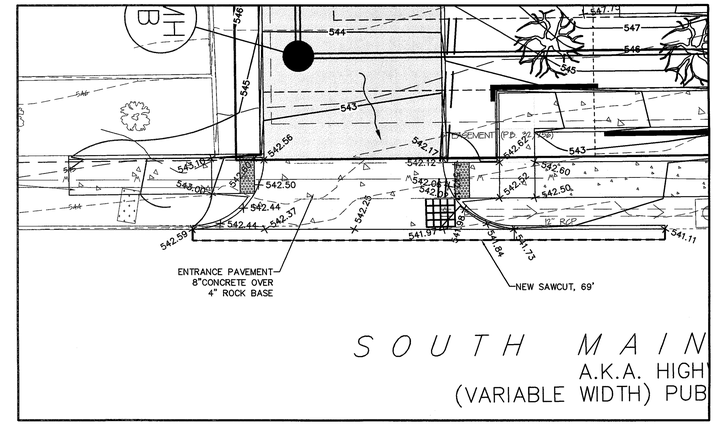




ENTRANCE DETAIL
HORIZONTAL SCALE: 1"=10'

www.invarion.com

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

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)		OPTIONAL	CHANNELIZER SPACING (ft.)	
Permanent Posted (mph)	Undivided (S)	Divided (S)	Shoulder (1) (T1)	Lane (2) (T2)	BUFFER LENGTH (ft.) (B)	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.

	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	1' Portable 7' Post	1 Mi.
RURAL UNDIVIDED	1' Portable 7' Post	2 Mi.

Channelizer
Sign
Truck or Trailer Mounted Arrow Panel
Protective Vehicle
Truck Mounted Attenuator (TMA)
Work Space
(Advanced Warning Rail System) For Long Term Operations

A protective vehicle 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.

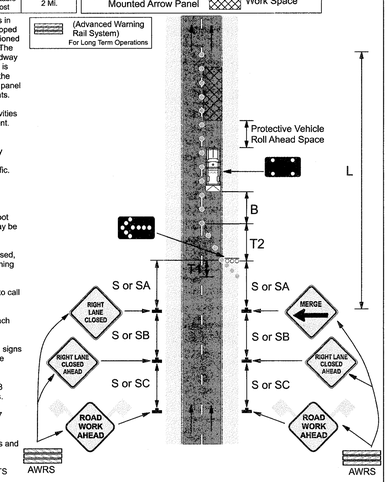
Additional warning signs shall be erected at each intersection with another state highway within the work zone. Upon the discretion of the supervisor, additional warning signs may be erected at other intersections within the work zone.

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

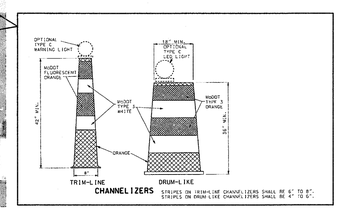
If rumble strips are used, review EPG 616.6.87 RUMBLE STRIPS.

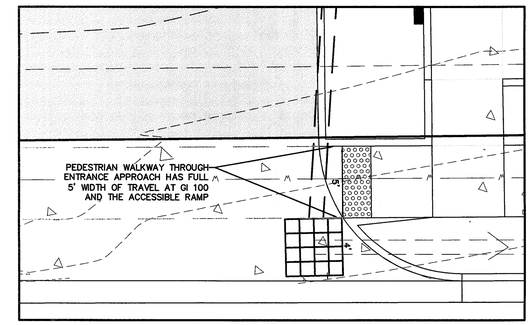
For long-term operations, EPG 616.6.2.2 Flags and Advance Warning Rail System.

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



TA-33 1/16





GI100 @ ACCESSIBLE RAMP
HORIZONTAL SCALE: 1"=5'

CALL BEFORE YOU DIG!
1-800-DIG-RITE
*UNDERGROUND PIPELINES PRESENT

GRAPHIC SCALE
50 0 25 50
(IN FEET)
1 inch = 50 ft.

*NO LANE DROP IS ALLOWED TO REMAIN UP OVERNIGHT

*THE LANE DROP CAN ONLY BE IN EFFECT FROM 8am UNTIL 2pm DAILY.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.

PROJECT TITLE:
TAUC PROPERTIES
O'FALLON MAIN
507 S. MAIN ST.

Bax Project #95-6396A | Issue Date: 8-14-16

ENGINEERING
PLANNING
SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 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 purposes of the architectural or engineering profession.

STATE OF MISSOURI
CLIFFORD L. HEITMANN
NUMBER E-29817
REGISTERED PROFESSIONAL ENGINEER
8-14-16
CLIFFORD L. HEITMANN
CIVIL ENGINEER
E29817

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Surveying Authority No. 000144
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REVISIONS

8-31-16	COMMENTS FROM CITY
10-7-16	COMMENTS FROM CITY
12-28-16	COMMENTS FROM CITY

Developer / Owner:
DR. MATT BRUCKEL
TAUC PROPERTIS LLC
9556 MANCHESTER ROAD
ST. LOUIS, MO 63119

ENTRANCE DETAIL AND TRAFFIC CONTROL DETAIL

P+Z No.
19-16 (approved 7-7-16)

City No.
16-000028