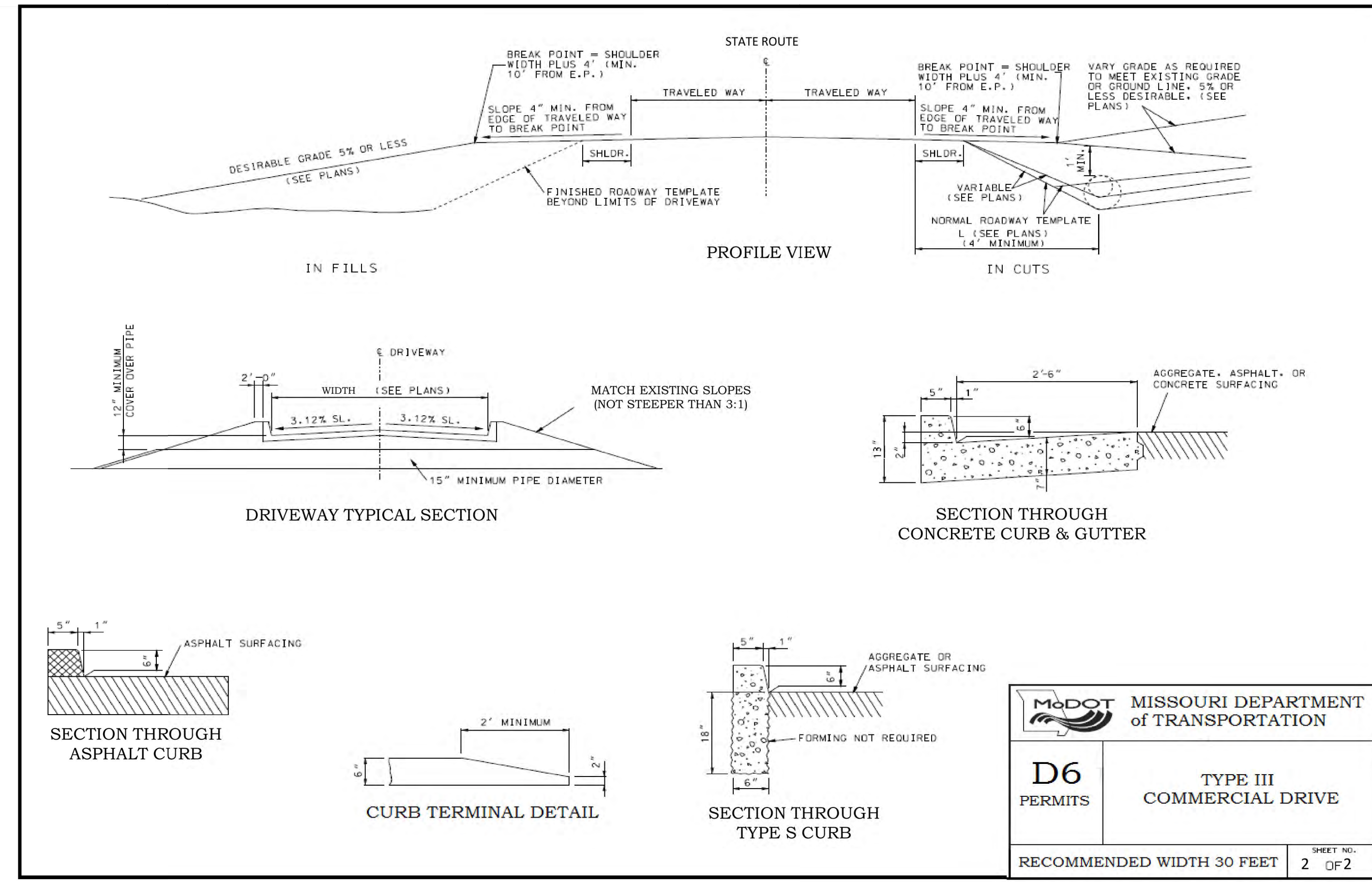


GENERAL NOTES:
 No part of the driveway excluding tapers shall be constructed outside of the property frontage.
 Pipe size & location to be determined by geometrics & drainage conditions (see plans).
 Surfacing shall be shown on the plans and / or permit.
 Length of pipe shall be determined by depth and location of ditch. (see plans)
 If a paved approach is required, refer to standard plan 608.00 for construction details and construct curb to meet curb on paved approach.
 Curb or curb and gutter between right of way line & pipe may meet local agency standards.
 This drawing illustrates driveway details for minimum situations. Traffic volumes generated, safety considerations, drainage considerations, local requirements, etc. may dictate more extensive improvements than those illustrated on this drawing.

D6 PERMITS	
TYPE III COMMERCIAL DRIVE	
RECOMMENDED WIDTH 30 FEET	
SHEET NO. 1 OF 2	



D6 PERMITS	
TYPE III COMMERCIAL DRIVE	
RECOMMENDED WIDTH 30 FEET	
SHEET NO. 2 OF 2	

616.8-3 (TA-3) Shoulder Work on Two-Lane Highways with Edgelines - MT

SPEED Posted (mph)	SIGN SPACING (ft)		TAPER LENGTH (ft)		OPTIONAL BUFFER LENGTH (ft)	CHANNELIZER SPACING (ft)
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)		
0-35	200	-	70	245	280	35
40-45	350	-	150	540	400	40
50-55	500	-	185	860	560	50
60-70	1000	-	235	840	840	60

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

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	7' Portable	1 ML
RURAL UNDIVIDED	7' Portable	3 ML

In addition to shoulder work, this typical application is applicable to work beyond shoulder where vehicles and equipment are parked on the shoulder.
 A protective vehicle shall be used while work is in progress. The protective vehicle should be equipped with a TMA and positioned at least 150 ft. in advance of the work space.
 If encroachment onto driving surface occurs and there is not 10 ft. of driving surface available for the lane of traffic, that traffic lane shall be closed. Refer to appropriate lane closure typical applications.
 If an arrow panel is used for an operation on the shoulder, the caution mode shall be displayed.
 For short duration or mobile operations, signs, channelization devices, and protective vehicles may be reduced or eliminated if a work vehicle with activated rotating lights or strobe lights is used. However, if limited sight distance exists, a protective vehicle should be used. This protective vehicle should be equipped with a TMA and truck mounted flashing arrow panel and positioned at least 150 ft. in advance of the work space or work vehicle, as applicable. If a protective vehicle is used, a vehicle mounted sign shall be mounted at a recommended height of 48 in. above the road surface.
 For work beyond shoulder, where vehicles and equipment are parked on the shoulder, the protective vehicle may be eliminated if a work vehicle with activated rotating lights or strobe lights is used.
 Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.
 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.
 Other appropriate signs may be used in lieu of SHOULDER WORK AHEAD sign.
 SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

TA-3 1/16

616.8.10 (TA-10) Lane Closure on Two-Lane Highways With Edgelines Using Flaggers - MT

SPEED Permanent (mph)	SIGN SPACING (ft)		TAPER LENGTH (ft)		OPTIONAL BUFFER LENGTH (ft)	CHANNELIZER SPACING (ft)
	Undivided (S)	Divided (S)	Shoulder (T1)	Lane (T2)		
0-35	200	-	-	-	280	-
40-45	350	-	-	-	400	-
50-55	500	-	-	-	560	-
60-70	1000	-	-	-	840	-

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

TYPE OF ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (L)
URBAN	7' Portable	1 ML
RURAL UNDIVIDED	7' Portable	3 ML

A protective vehicle shall be used while work is in progress. The protective vehicle should be equipped with a TMA and flashing arrow panel and positioned at least 150 ft. in advance of the work space.
 If a flashing arrow panel is used, the caution mode shall be displayed.
 When a temporary road closure is needed, both directions may be stopped at the same time up to a maximum of 20 minutes.
 Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.
 Where operational conditions warrant, channelization devices may be eliminated.
 For short duration operations, signs and channelizers may be reduced or eliminated.
 For operations where workers are on foot and move with the operation, channelizers may be reduced or eliminated.
 For operations where workers are on foot and move with the operation, spacing between flagger and FLAGGER AHEAD signs shall not exceed one mile.
 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 3-2-1 Cone Procedure, refer to EPG 616.5 Flagger Control.
 At night, flagger stations shall be illuminated.
 For long-term operations, refer to EPG 616.8.2.2 Flags and Advance Warning Rail System.
 If rumble strips are used, review EPG 616.8.7 RUMBLE STRIPS.
 For work zone located in the vicinity of a railroad grade crossing, refer to EPG 616.8.48 (TA-48) Work in the Vicinity of a Grade Crossing.
 SEE EPG 616.12 WORK ZONE SPEED LIMITS FOR SPEED LIMIT GUIDELINES.

TA-10 9/17

CROSS SECTION	CONDITION		TREATMENT	SIGN		NOTES
	DIFFERENTIAL	TIME		MAINLINE (1)	SIDE ROAD (2)	
1V:1H SLOPE OR FLATTER	PAVEMENT EDGE DIFFERENTIAL > 2" TO ≤ 3"	NON-WORKING HOURS	WEDGE SLOPE TO 1V:1H OR FLATTER	NO SIGNS REQUIRED	NO SIGNS REQUIRED	(1) SIGNS SHALL BE SPACED AT APPROXIMATELY ONE MILE INTERVALS AND LOCATED WITHIN 150 FT. BEYOND ANY STATE ROADS. WHEN A SIGN PLACED AT THE ONE MILE INTERVAL FALLS WITHIN 1/2 MILE OF A SIGN PLACED AFTER AN INTERSECTION, THE SIGN PLACED AT THE 1/2 MILE INTERVAL MAY BE OMITTED. WHEN SHOULDER DROP-OFF SIGNS WITH UNEVEN LANES ARE BOTH SPECIFIED, ALTERNATING SIGN MESSAGES SHALL BE USED AT 1 MILE SPACINGS.
1V:1H SLOPE OR FLATTER	PAVEMENT EDGE DIFFERENTIAL > 2" TO ≤ 3"	WORKING HOURS	NO EDGE TREATMENT REQUIRED	NO SIGNS REQUIRED	NO SIGNS REQUIRED	(2) ON SIDE ROADS WITH POSTED SPEED OF 45 MPH OR GREATER, SIGNS SHALL BE PLACED 150 FT. IN ADVANCE OF INTERSECTION WITH MAINLINE.
1V:1H SLOPE OR FLATTER	PAVEMENT EDGE DIFFERENTIAL > 3"	NON-WORKING HOURS	WEDGE SLOPE TO 1V:1H OR FLATTER	NO SIGNS REQUIRED	NO SIGNS REQUIRED	(3) SIGNS SHALL BE LOCATED ON THE SIDE OF THE ROADWAY WHERE THE PAVEMENT EDGE DIFFERENTIAL EXISTS.
1V:1H SLOPE OR FLATTER	PAVEMENT EDGE DIFFERENTIAL > 3"	WORKING HOURS	DELINEATE DIFFERENTIAL WITH CHANNELIZERS	NO SIGNS REQUIRED	NO SIGNS REQUIRED	(4) SIGNS TO REMAIN VISIBLE UNTIL SHOULDER SHAPING IS COMPLETE.
10' MIN.	ANY PAVEMENT EDGE OR LANE LINE DIFFERENTIAL	NON-WORKING AND WORKING HOURS WHERE PLANS REQUIRE ADJACENT LANE CLOSURE WITH CHANNELIZATION OR PARTIAL LANE CLOSURE WITH BARRIER.	NO EDGE TREATMENT REQUIRED	NO SIGNS REQUIRED	NO SIGNS REQUIRED	(5) SIGNS SHALL BE LOCATED ON RIGHT SIDE OF NON-DIVIDED HIGHWAYS AND ON BOTH SIDES OF DIVIDED HIGHWAYS WHERE A LANE LINE DIFFERENTIAL EXISTS.
1V:1H SLOPE OR FLATTER	LANE LINE DIFFERENTIAL ≤ 2"	NON-WORKING AND WORKING HOURS	WEDGE SLOPE TO 1V:1H OR FLATTER	UNEVEN LANES	NO SIGNS REQUIRED	(6) WHEN THE SHOULDER DROP-OFF SIGNS ARE IN PLACE FOR GREATER THAN THREE DAYS, THE SHOULDER DROP-OFF PLAQUE SHOULD BE USED IN ADDITION WITH THE SHOULDER DROP-OFF SIGN.
1V:1H SLOPE OR FLATTER	LANE LINE DIFFERENTIAL > 2"	NON-WORKING AND WORKING HOURS WHERE LANE CLOSURE TO TRAFFIC	DELINEATE DIFFERENTIAL WITH CHANNELIZERS	UNEVEN LANES	BUMP	LEGEND: [Symbol] - RIGID PAVEMENT [Symbol] - FLEXIBLE PAVEMENT [Symbol] - ALL PAVEMENT TYPES GENERAL NOTES: SIGNS SHALL BE VISIBLE TO TRAFFIC ONLY WHEN AND WHERE CONDITIONS EXIST. FOR ADDITIONAL SIGN SPACING AND DETAILS SEE STANDARD PLAN 620-10.

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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 AND/OR CONSTRUCTION OF IMPROVEMENTS.

PLANNING & DEVELOPMENT DIVISION FILE NUMBER: 22-003084
 SITE PLAN APPROVAL: MAY 5, 2022
 CONDITIONAL USE PERMIT APPROVAL: MAY 12, 2022

PROPERTY OWNER: MW REAL ESTATE HOLDINGS LLC
 1601 W. OLD RTE 66
 STAFFORD MO, 65757

CONSTRUCTION PLANS
TRANSLAND TRUCKING
 3480 E. TERRA LANE
 O'FALLON MO, 63366
 DETAILS

ST. CHARLES ENGINEERING & SURVEYING, INC.
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 ST. CHARLES, MO 63301
 TEL: (636) 947-0607 FAX: (636) 947-2448

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 105 WEST CAPITAL
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 MISSOURI STATE CERTIFICATE OF AUTHORITY - 001647 & 000379

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
 105 WEST CAPITAL
 JEFFERSON CITY, MO 65102
 1-888-ASK-MODOT 1-888-275-6636

PAVEMENT EDGE TREATMENT
 SHEET NO. 1 OF 1

ORDER NO. 2022032
 DATE 02/07/2023
 8.1