

REVISIONS:
09-19-06 Per City Comments
10-02-06 Per MDDOT
10-02-06 Per Duckett Creek
10-12-06 Per Client
10-17-06 Per Duckett Creek
11-08-06 Per Cottleville Fire

Shoulder Work on Undivided Highways

SPEED	SIGN SPACING (ft.)		TAPER LENGTH (ft.)	OPTIONAL BUFFER LENGTH (ft.)	CHANNELIZER SPACING (ft.)	
	Undivided (B)	Divided (S)			Taper	Buffer Work Areas
0-35	200	-	75	120	35	50
40-45	350	-	150	225	40	100
50-60	500	-	150	225	50	100
60-70	700	-	225	350	60	100

TYPE ROADWAY	SIGN HEIGHT	MAXIMUM WORK ZONE LENGTH (ft.)
URBAN	1' Portable 3' Fixed	1 MI
RURAL UNDIVIDED	1' Portable 3' Fixed	3 MI

Notes:

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.

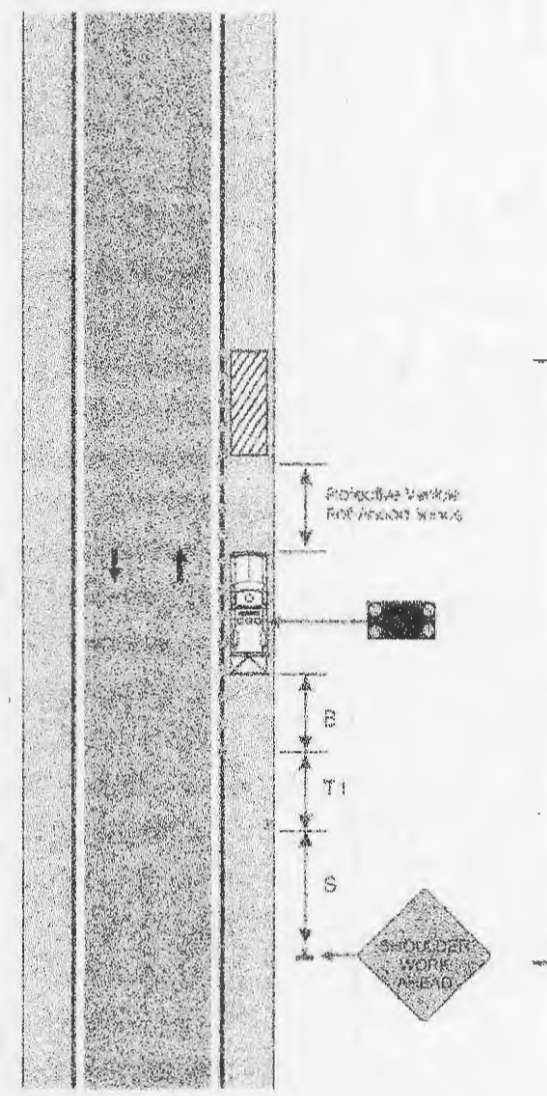
If an arrow panel is used for an operation on the shoulder, the caution mode shall be displayed.

For short duration or multiple 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 in a stationary operation or workers are on foot, 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.

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.

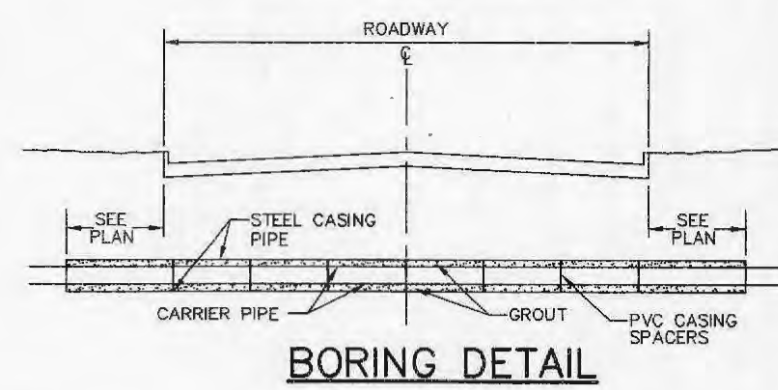
Other appropriate signs may be used in lieu of SHOULDER WORK AHEAD sign.



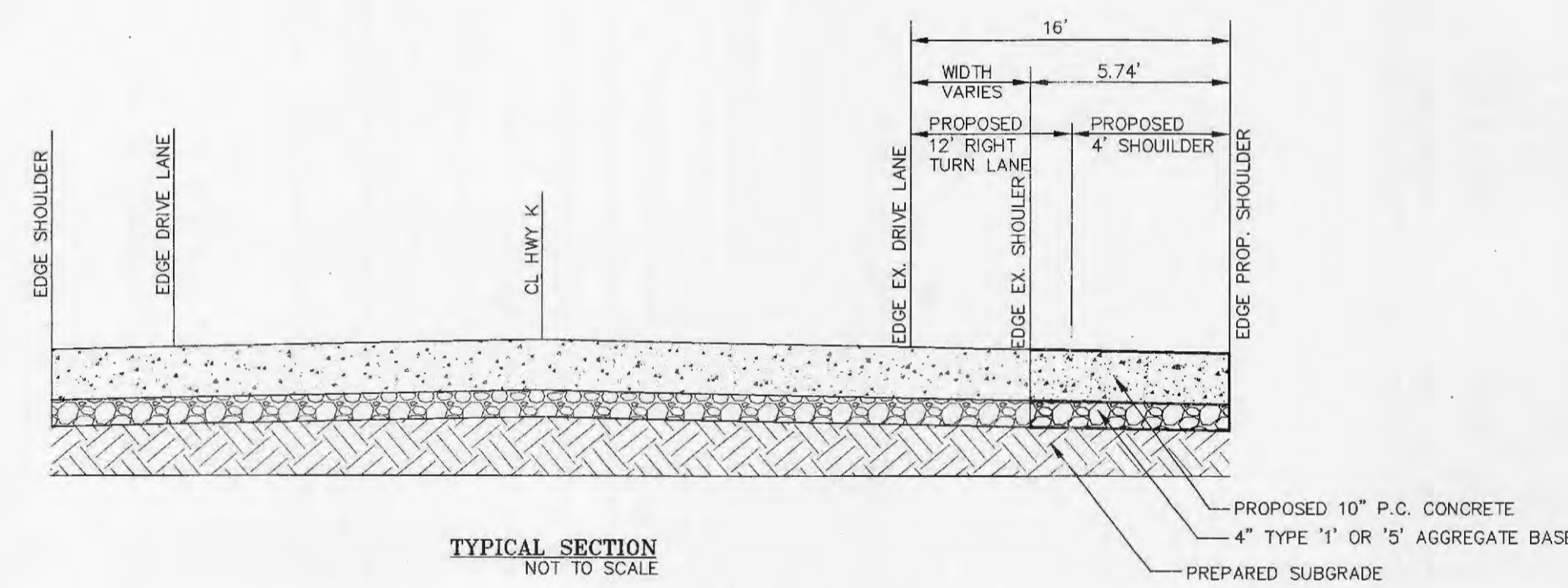
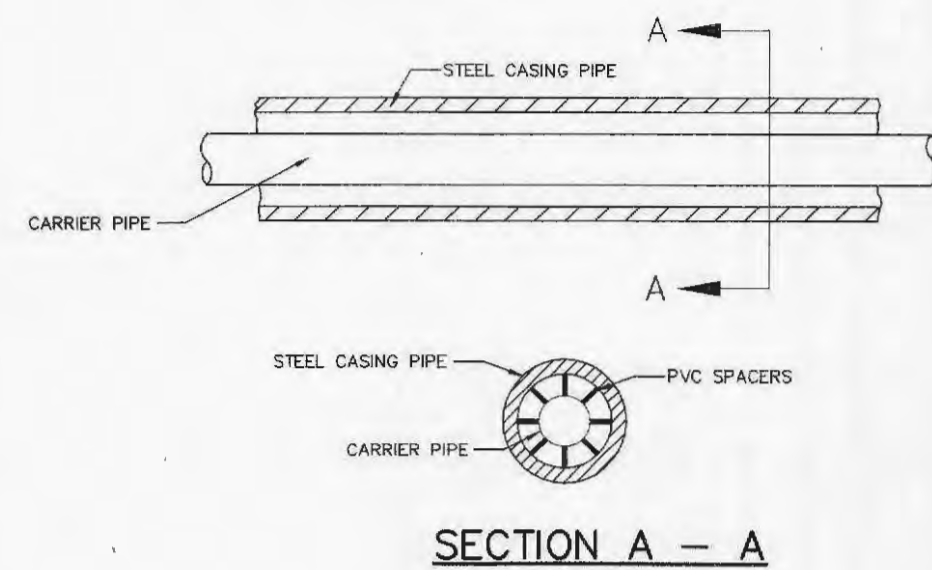
TA-2

FEISE ROAD BORE DETAIL

CITY OF OFALLON JURISDICTION



- NOTES:**
- INSIDE DIAMETER OF CASING PIPE TO BE A MINIMUM OF 4" GREATER THAN COUPLING DIAMETER OF CARRIER PIPE.
 - ENCASMENTS TO BE INSTALLED UNDER THE ROAD BY MEANS OF JACKING IT THROUGH, OR BY DRY-BORING A HOLE THAT WILL RECEIVE THE CASING WITH A SNUG FIT.
 - THE OUTSIDE DIAMETER OF THE CASING SHALL NOT BE LESS THAN, NOR MORE THAN ONE INCH GREATER THAN THE BORED HOLE.
 - CASING SPACERS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.



STORM INLET SEDIMENT TRAP ST-III

NOTES:

- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/4 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
- The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
- All cut slopes shall be 1:1 or flatter.

Maximum Drainage Area: 3 Acres

STORM INLET SEDIMENT TRAP	STANDARD DRAWING ST-III
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DUCKETT CREEK SANITARY DISTRICT

TYPICAL SANITARY SEWER LATERAL PROFILE

NOTES:
* MINIMUM DIFFERENCE BETWEEN BASEMENT FLOOR ELEVATION AND FLOW LINE OF SANITARY MAIN

DESIGN BY: BSM	APP. BY: KLA	DATE: 1-9-01	DETAIL NO. 26
CHECK BY: MDOB			

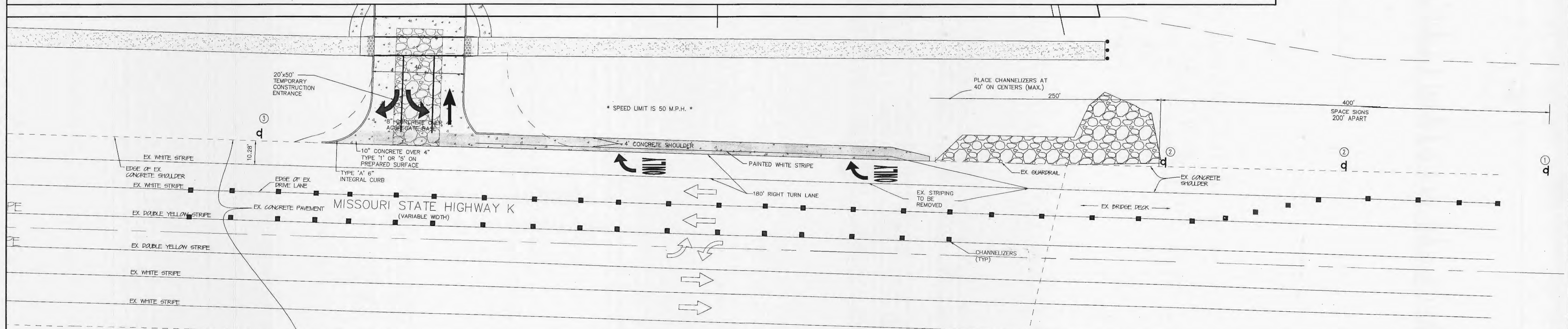
DUCKETT CREEK SANITARY DISTRICT

SANITARY SEWER LATERAL RISER DETAIL

DESIGN BY: BSM	APP. BY: KLA	DATE: 1-9-01	DETAIL NO. 27
CHECK BY: MDOB			

SYMBOLS

- Work Area
- Work Zone Sign
- ROAD WORK AHEAD
- RIGHT LANE CLOSED AHEAD
- END ROAD WORK



* TRAFFIC CONTROL IS TO BE PER MDDOT OR MUTCD, WHICHEVER IS MOST STRINGENT.

TRAFFIC CONTROL PLAN
SCALE = 1" = 20'

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