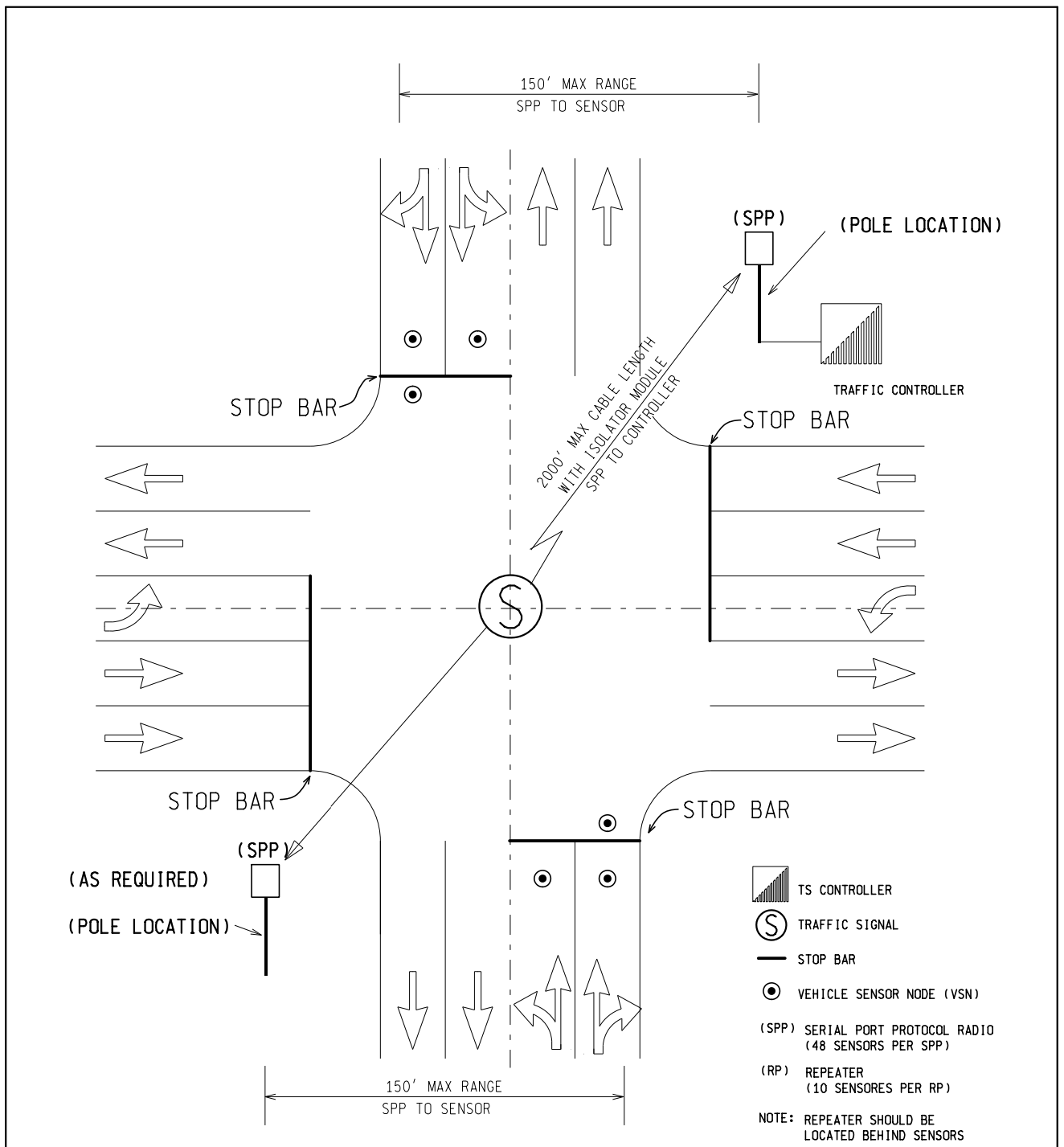


TYPICAL VEHICLE SENSOR NODE CONFIGURATION
INTERSECTION DETECTION CROSS ROAD ACTIVATED (NON-LOCKING)

NOT TO SCALE File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn Rev. 06/18/2013

<p>PREPARED BY TRAFFIC AND SAFETY</p>	ENGINEER OF DELIVERY	MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN FOR WIRELESS VEHICLE DETECTION SYSTEM	SHEET 1 of 10
	ENGINEER OF DEVELOPMENT (SPECIAL DETAIL) FHWA APPROVAL DATE		
DRAWN BY: KMZ	PLAN DATE	SIG-420-A	
CHECKED BY:			

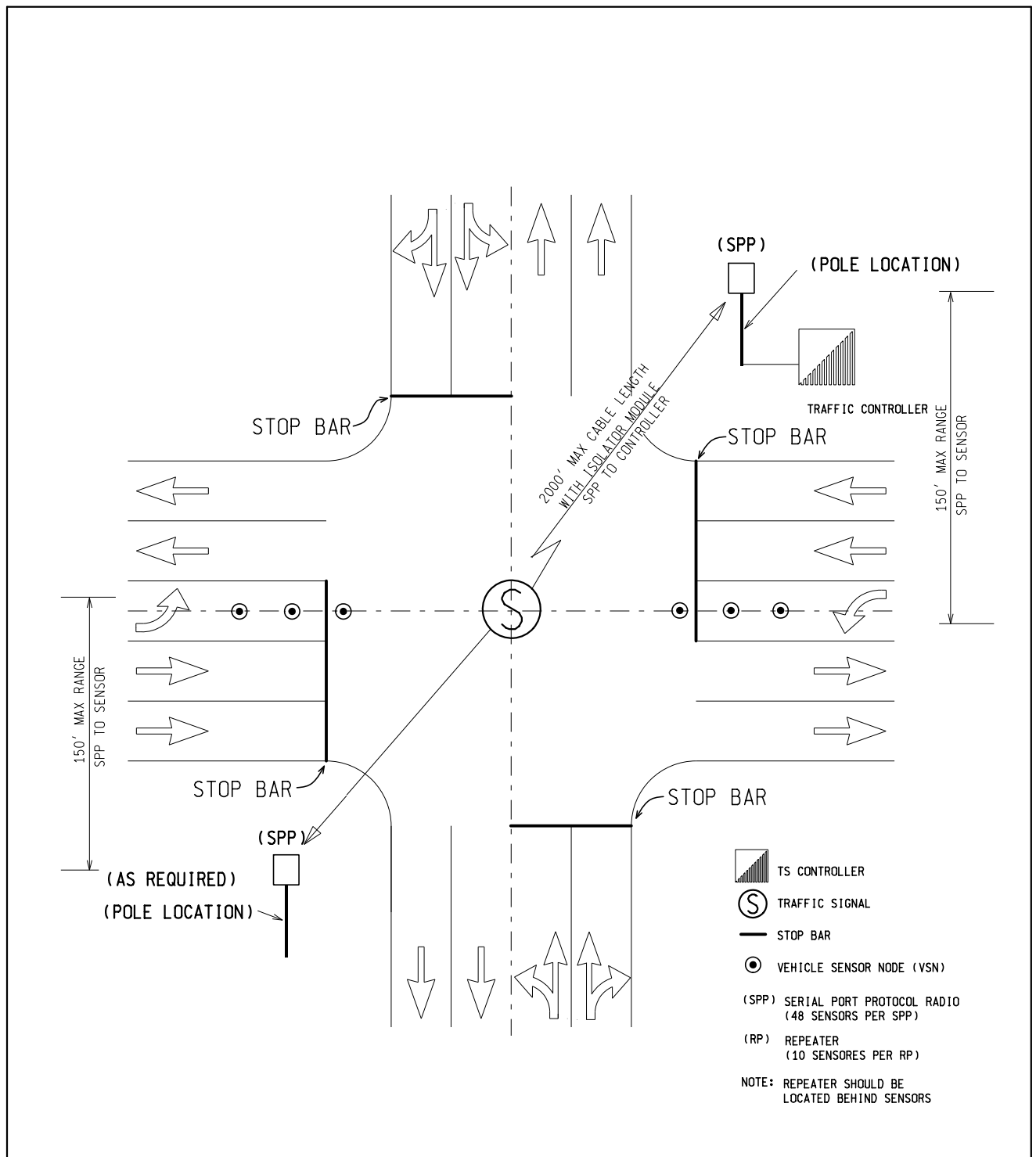


TYPICAL VEHICLE SENSOR NODE CONFIGURATION
INTERSECTION DETECTION CROSS ROAD ACTIVATED (LOCKING)

NOT TO SCALE File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn Rev. 06/18/2013

<p>PREPARED BY TRAFFIC AND SAFETY</p>	ENGINEER OF DELIVERY	MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN (SPECIAL DETAIL) FHWA APPROVAL DATE	SHEET 2 of 10
	ENGINEER OF DEVELOPMENT (SPECIAL DETAIL) FHWA APPROVAL DATE		
DRAWN BY: KMZ	PLAN DATE	SIG-420-A	
CHECKED BY:			

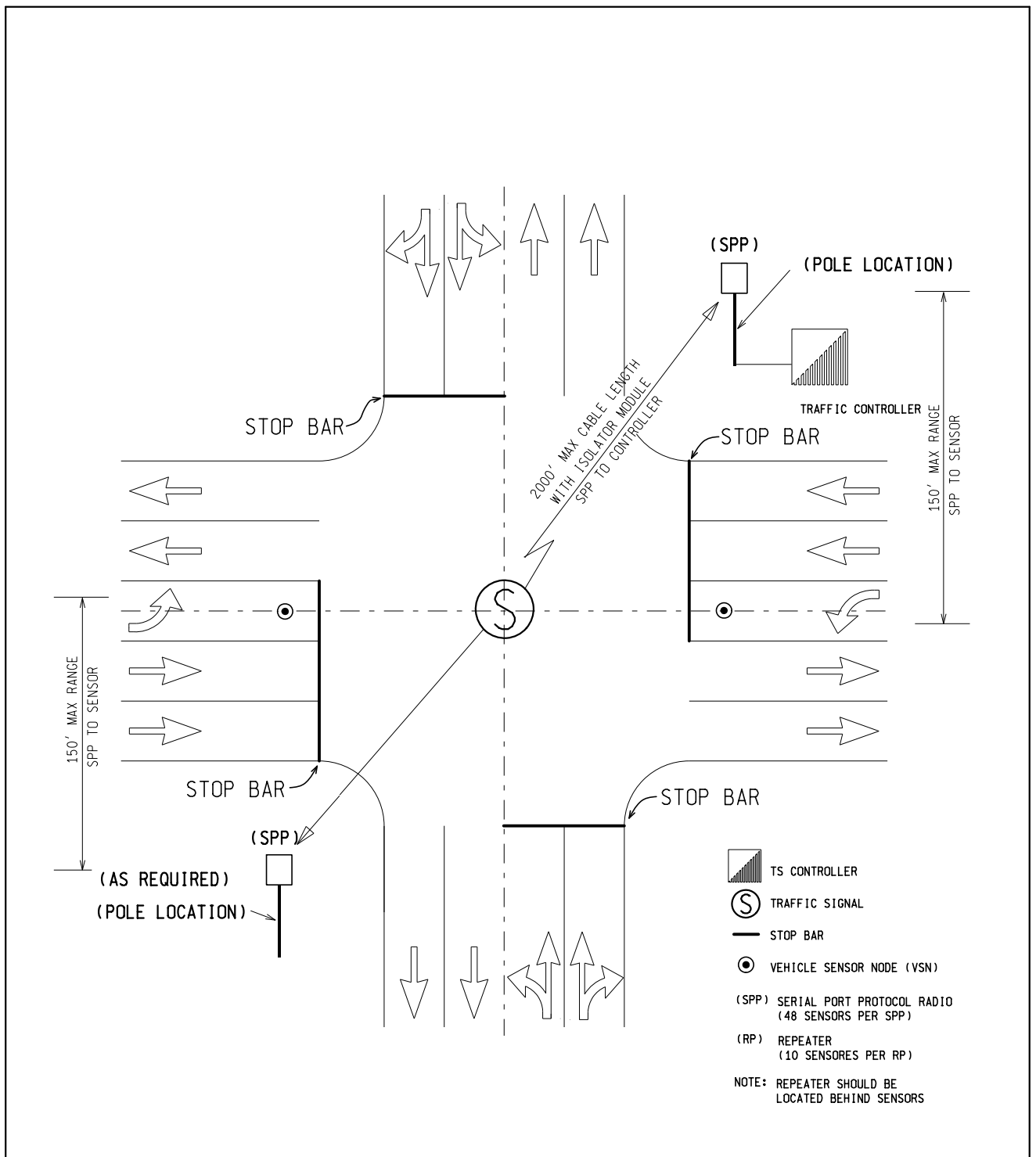
AS-LET PLAN REVISIONS				AS-LET PLAN REVISIONS					DATE:	CS:	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		DESIGN UNIT:	JN:		
								FILE:	TSC:			



TYPICAL VEHICLE SENSOR NODE CONFIGURATION
 INTERSECTION DETECTION LEFT-TURN ACTIVATED
 PERMISSIVE PROTECTED (NON-LOCKING)

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN		(SPECIAL DETAIL) FHWA APPROVAL DATE	PLAN DATE	SIG-420-A	SHEET 3 of 10
File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn		Rev. 06/18/2013			



TYPICAL VEHICLE SENSOR NODE CONFIGURATION
 INTERSECTION DETECTION LEFT-TURN ACTIVATED
 PROTECTED ONLY (LOCKING)

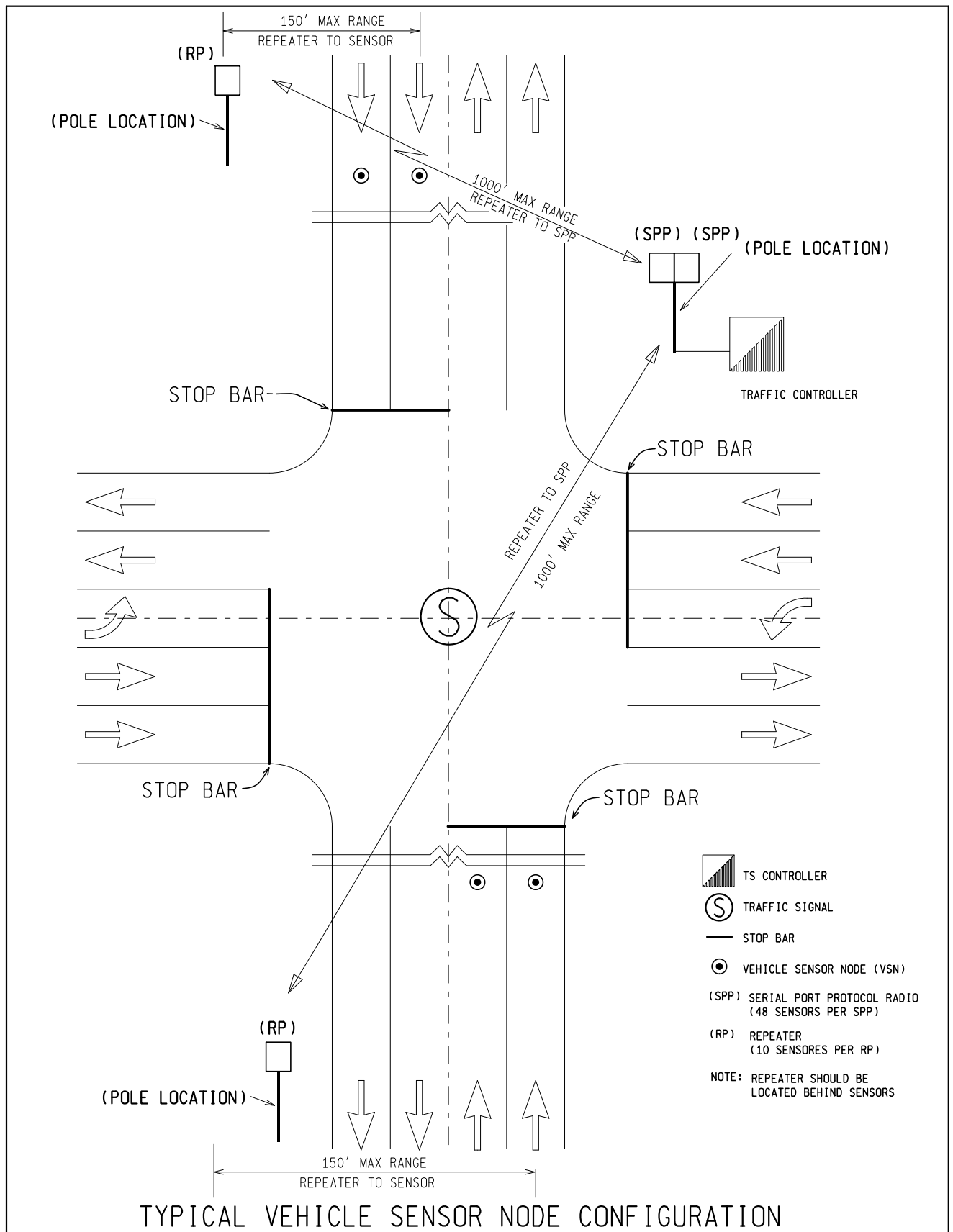
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MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN		(SPECIAL DETAIL) FHWA APPROVAL DATE	PLAN DATE	SIG-420-A	SHEET 4 of 10
File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn		Rev. 06/18/2013			

AS-LET PLAN REVISIONS							
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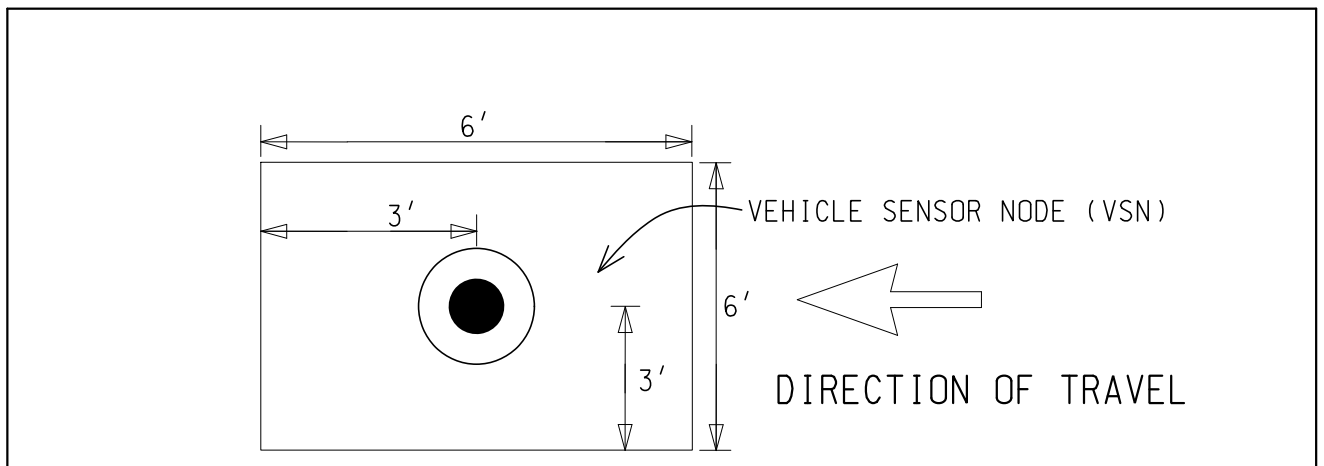
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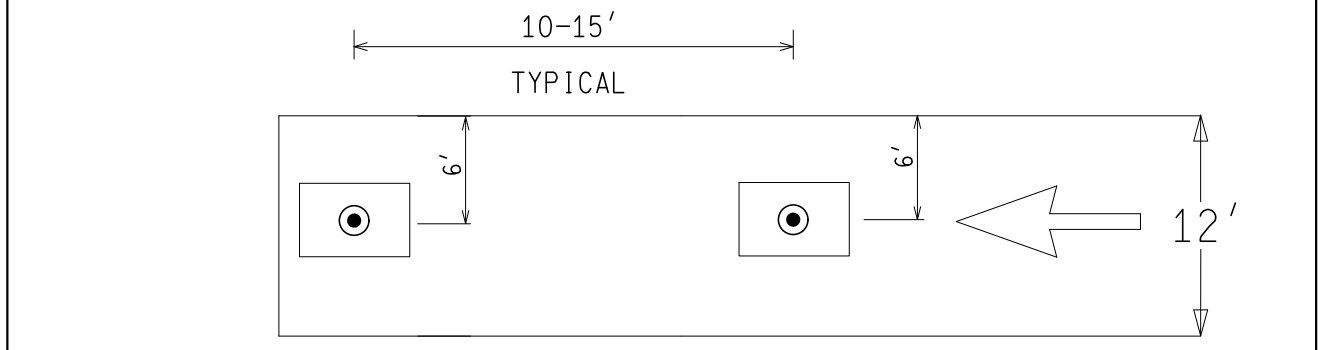
TYPICAL VEHICLE SENSOR NODE CONFIGURATION

NOT TO SCALE

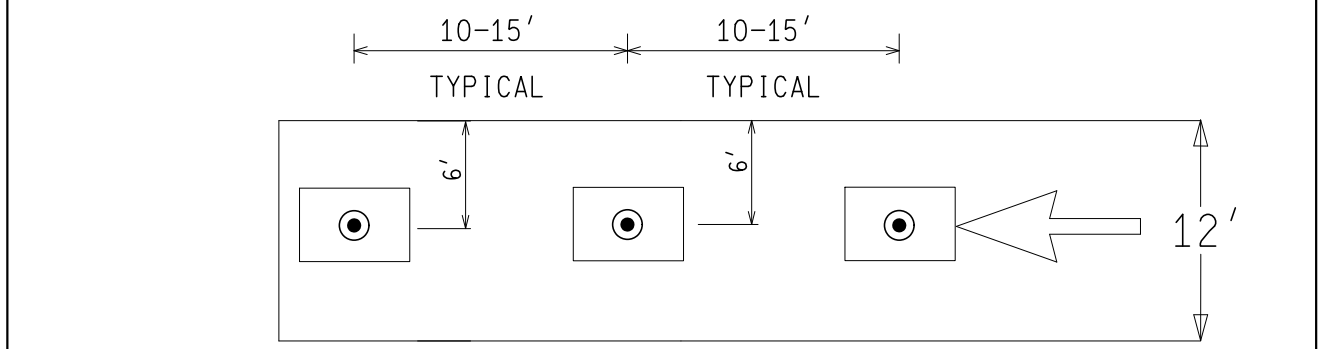
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN		(SPECIAL DETAIL) FHWA APPROVAL DATE	PLAN DATE	SIG-420-A	SHEET 5 of 10
File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn		Rev. 06/18/2013			



TYPICAL 6' X 6' DETECTION ZONE



TYPICAL 6' X 20' DETECTION ZONE



TYPICAL 6' X 30' DETECTION ZONE

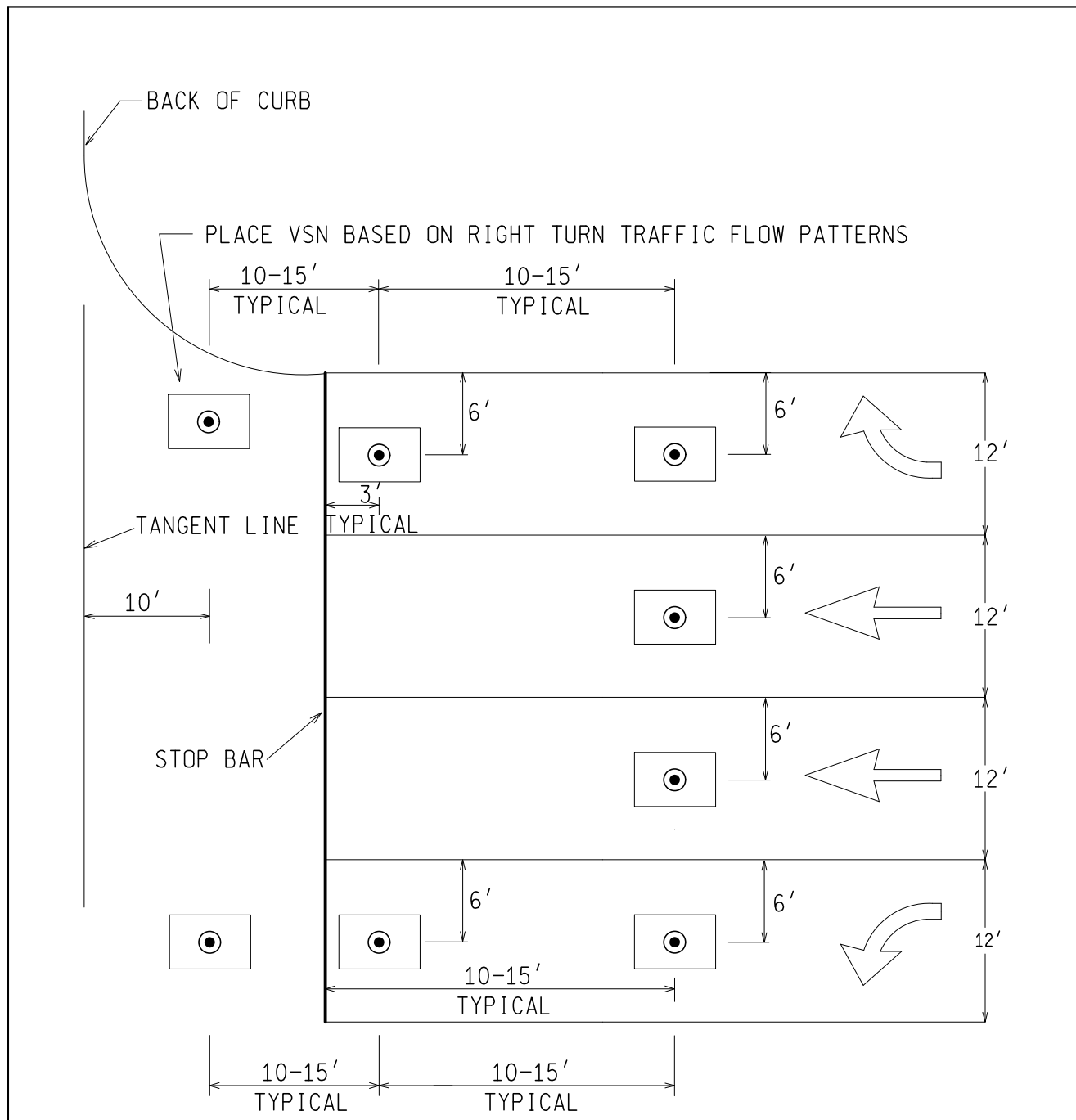
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MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN		(SPECIAL DETAIL) FHWA APPROVAL DATE	PLAN DATE	SIG-420-A	SHEET 6 of 10
File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn		Rev. 06/18/2013			

AS-LET PLAN REVISIONS							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DATE:	CS:	DRAWING	SHEET
DESIGN UNIT:	JN:		
FILE:	TSC:		

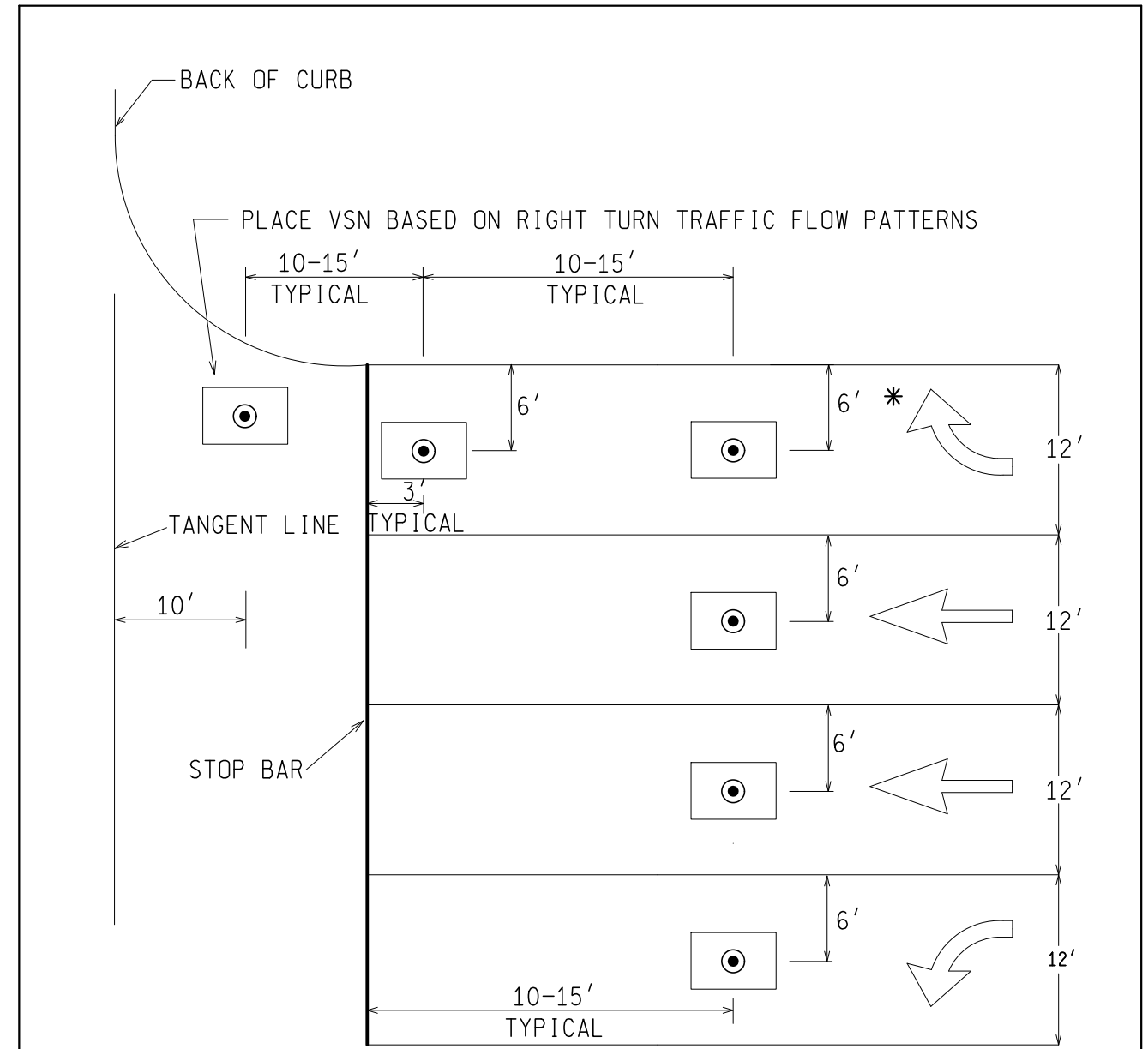


TYPICAL VEHICLE SENSOR NODE (NON-LOCKING) INSTALLATION DIAGRAM

FOR A TWO PHASE (COORDINATED) APPROACH WITH (NON-LOCKING) PERMISSIVE OR PERMISSIVE-PROTECTED LEFT TURN PHASING

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN		FHWA APPROVAL DATE	PLAN DATE	SIG-420-A	SHEET 9 of 10
File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn		Rev. 06/18/2013			



TYPICAL VEHICLE SENSOR NODE (LOCKING) INSTALLATION DIAGRAM

FOR A TWO PHASE APPROACH WITH PROTECTED ONLY LEFT TURN PHASING
* RIGHT TURNS MAY BE NON-LOCKING OR LOCKING WITH RIGHT TURN DELAYS

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN		(SPECIAL DETAIL) FHWA APPROVAL DATE	PLAN DATE	SIG-420-A	SHEET 10 of 10
File: PW:RD/T&S/Standards/Signals/mdot_420a.dgn		Rev. 06/18/2013			

AS-LET PLAN REVISIONS							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DATE:	CS:	DRAWING	SHEET
DESIGN UNIT:	JN:		
FILE:	TSC:		