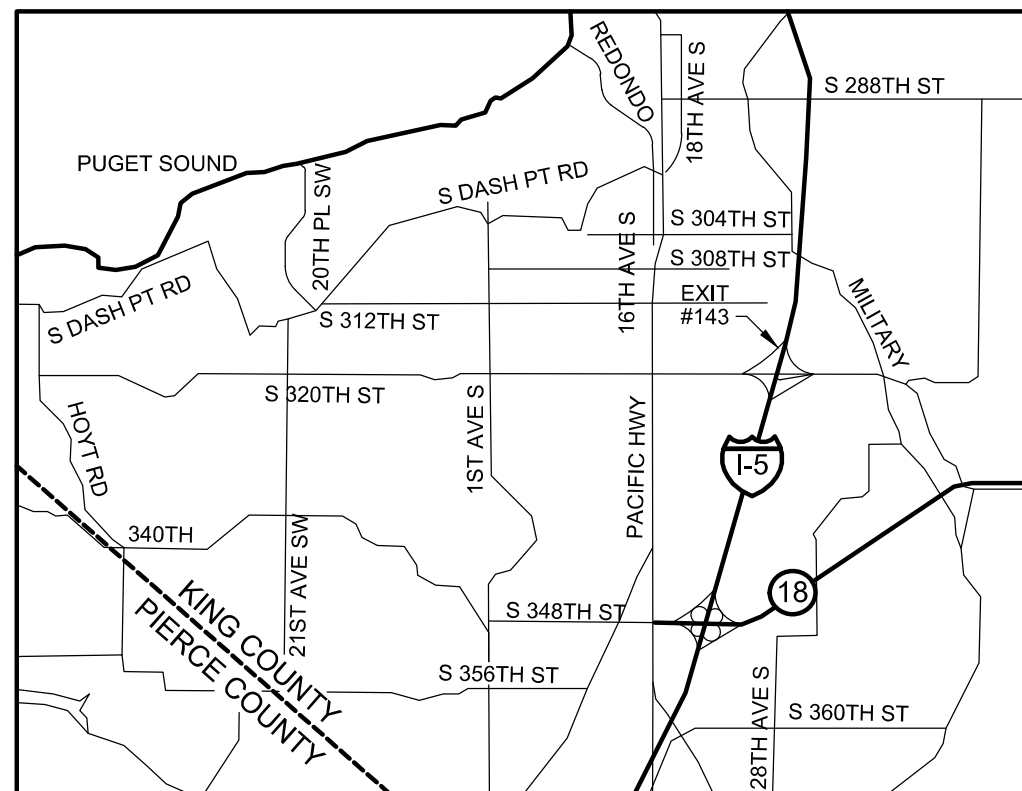


City of Federal Way Public Works Department Horizontal Curve Warning Signs

RFB Number: 20-006

Federal Aid Number: HSIP-000S(524)



APPROVED FOR CONSTRUCTION	
<i>Desiree S. Winkler</i>	9/14/20
DESIREE S. WINKLER P.E. DEPUTY PUBLIC WORKS DIRECTOR	DATE

FINAL SUBMITTAL



DRAFTED: DKS Associates
DESIGNED: DKS Associates
REVIEWED: Brian Chandler
APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

City of Federal Way
Horizontal Curve Warning Sign
Cover Sheet & Vicinity Map

CITY PROJECT #:
218
SHT. 1
OF 50

Horizontal Curve Warning Signs

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Legend



Sign Post Number

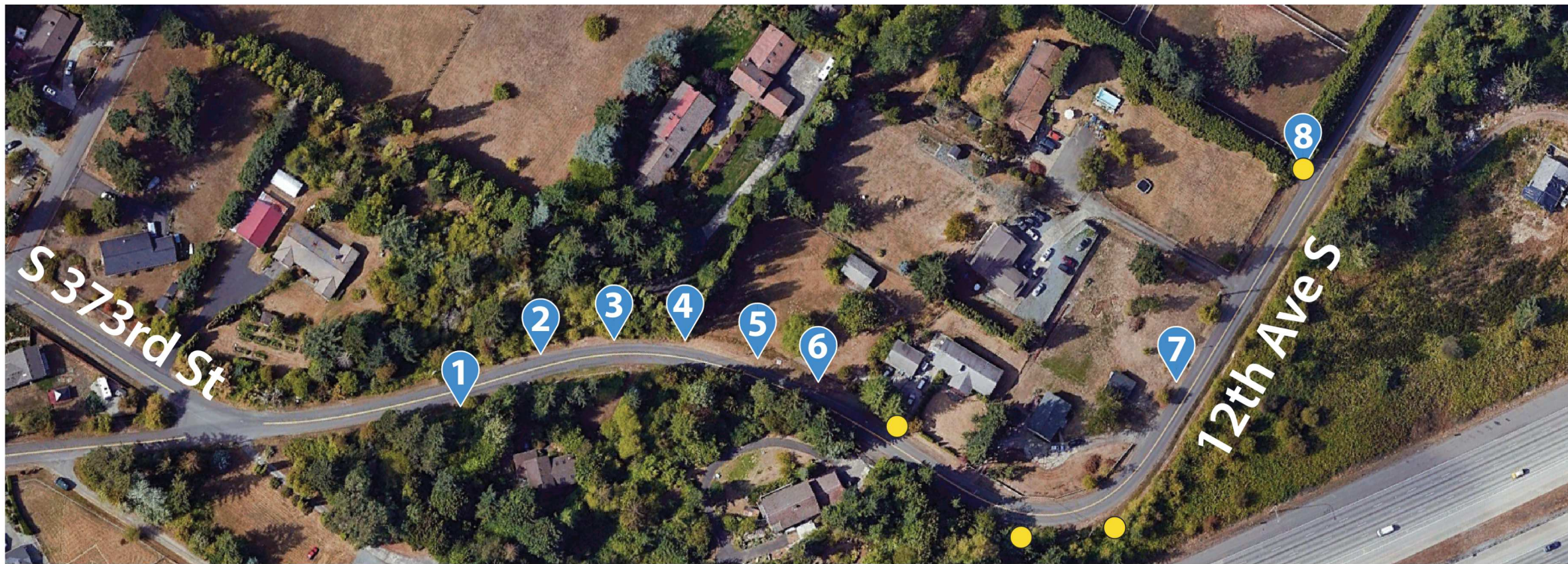


Existing Sign

General Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See WSDOT Std. Plans G-24.50-05, and G-50.10-03 for type ST-2 sign support, and sign bracing details.
3. Sign braces are required for sign width of 48" (in) or greater. See WSDOT Std. Plan G-50.10-03.
4. Placement of all proposed sign posts may vary up to 10 feet longitudinally in the field. Relocation must work for both directions when multiple signs share a single sign post. Sign placement shall be adjusted when conflicts occur. Information shall be coordinated with Engineer in writing for locations that are outside of these parameters.
5. Contractor shall determine all existing underground utilities conflicts. Existing utilities shall be maintained and protected during construction.
6. See Sheet 43 for sign details and Sheet 44 for post height and typical sign installation detail.
7. Northings and Eastings, shown on the plans, shall be used as a guideline. Contractor shall layout and flag (stake) locations for the placement of signs in the field. The flagged locations shall be clear of any underground obstructions and meet minimum clearance requirements (W, V, and W3). Contractor shall coordinate flagged locations for review and approval by the engineer before finalizing proposed signing details.
8. Contractor shall include the W, V, and W3 dimensions for each sign and include the proposed signing information on the plans. These will be reviewed by the engineer and approved as corridor groups are completed. Upon completion, Contractor can begin fabrication and construction of foundations.

FINAL SUBMITTAL






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2	1	Northbound	47.26767, -122.32233	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	2	Northbound	47.26791, -122.32215	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	3	Northbound	47.26805, -122.32192	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	4	Northbound	47.26814, -122.32165	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	5	Northbound	47.2682, -122.32137	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	6	Northbound	47.26824, -122.32108	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	7	Southbound	47.26876, -122.31973	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
8	Southbound	47.26959, -122.31973	EX	EX	-	-	-	-	Remove existing Turn Right Warning Sign, post and 20 mph speed plaque.	

PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>NS CORRIDOR 2: S 364TH WAY S / 12TH AVE S; TODD BEAMER HW ROUNDABOUT – S 373RD ST</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 3 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE	REVISION		
		REVIEWED: Brian Chandler						
		APPROVED:	09/14/2020					



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
3	1	Northbound	47.31969, -122.36083	PSST	2.25" x 2.25"	W1-10fR	Turn Right with Intersection Warning Sign	30	30	
						W13-1P-30	Advisory Speed Plaque 30	18	18	
	2	Southbound	47.32149, -122.3586	PSST	2.25" x 2.25"	W1-10fL	Turn Left with Intersection Warning Sign	30	30	
						W13-1P-30	Advisory Speed Plaque 30	18	18	

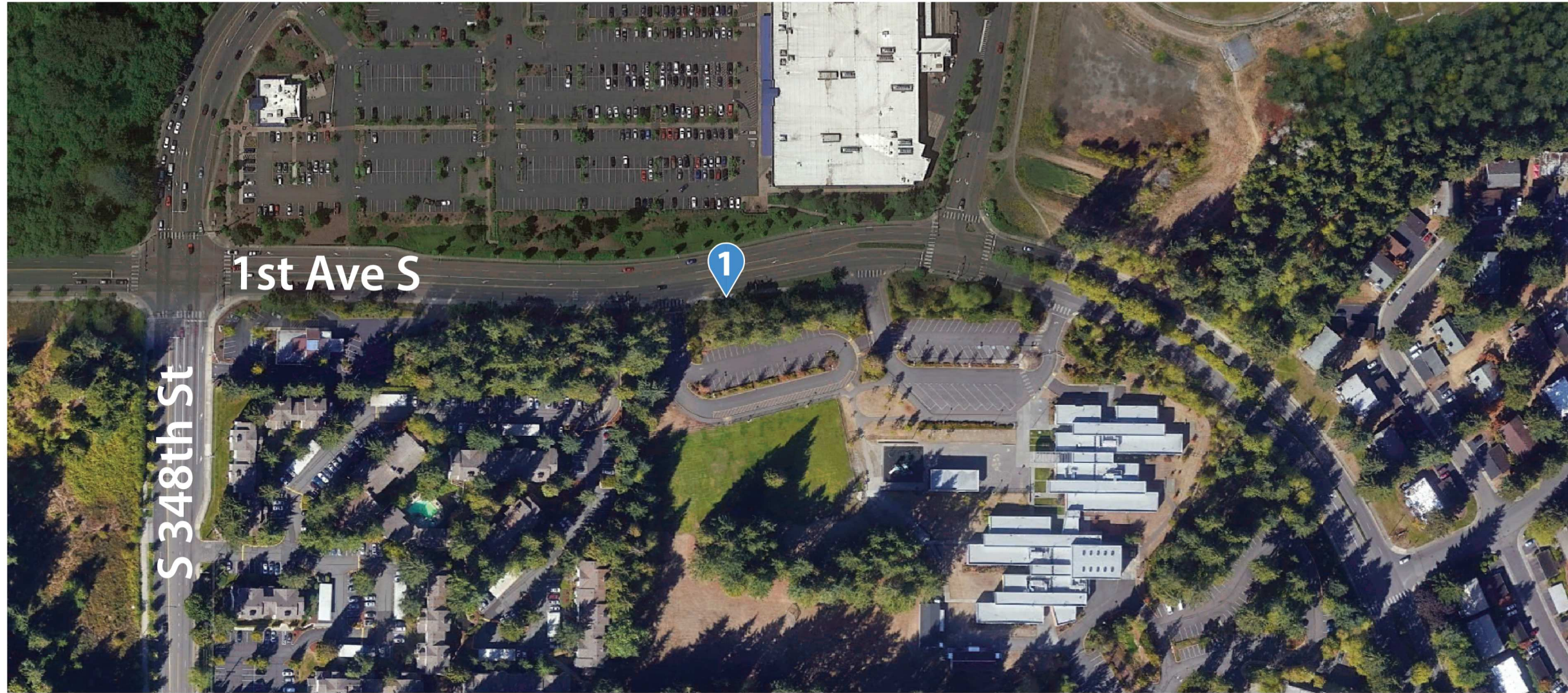
PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates	<p>09/14/2020</p>	DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>NS Corridor 3: 21st Ave SW: SW 316th St</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 4 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:					



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
5B	1	Northbound	47.29214, -122.33457	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	36	36	
						W13-1P-30	Advisory Speed Plaque 30	18	18	

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL



DRAFTED: DKS Associates
 DESIGNED: DKS Associates
 REVIEWED: Brian Chandler
 APPROVED:



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NO.	DATE	REVISION

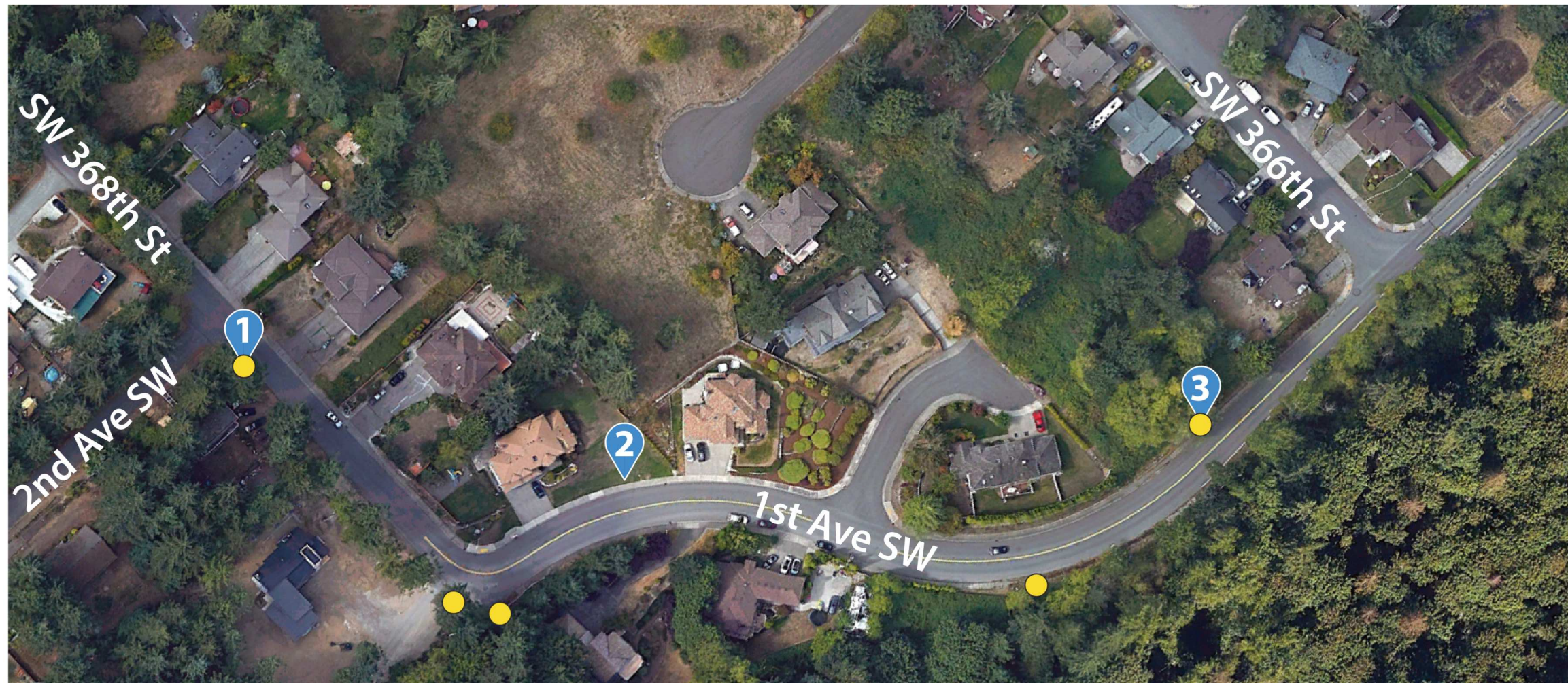
City of Federal Way

Horizontal Curve Warning Signs

NS Corridor 5B: 1st Ave S/ 1st Way S: City Limit - S 293rd Pl

CITY PROJECT #:
218

SHT. 5
OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
5C	1	Northbound	47.27173, -122.33741	EX	EX	W1-5L	Winding Road Left Warning Sign	30	30	Replace existing Curve Left Warning Sign.
	2	Southbound	47.27221, -122.3361	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
	3	Southbound	47.27326, -122.33487	EX	EX	W1-5R	Winding Road Right Warning Sign	30	30	Replace existing Reverse Curve Right Warning Sign.
						W13-1P-15	Advisory Speed Plaque 15	18	18	

PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p style="text-align: center;">City of Federal Way</p> <p style="text-align: center;">Horizontal Curve Warning Signs</p> <p style="text-align: center;">NS Corridor 5C: 1st Ave S/ 1st Way S: SW 366th St - 1st Way S</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE		REVISION
		REVIEWED: Brian Chandler					SHT. 6
		APPROVED:	09/14/2020				OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
9	1	Northbound	47.282, -122.36188	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 15 mph speed plaque. Maintain existing Turn Left Warning Sign.
	2	Northbound	47.282, -122.36134	EX	EX	W1-8R	Chevron Alignment Right	18	24	Replace existing chevron.
		Southbound				W1-8L	Chevron Alignment Left	18	24	
	3	Northbound	47.28201, -122.36118	EX	EX	W1-8R	Chevron Alignment Right	18	24	Replace existing chevron.
		Southbound				W1-8L	Chevron Alignment Left	18	24	
	4	Northbound	47.28208, -122.36105	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Southbound				W1-8L	Chevron Alignment Left	18	24	
	5	Northbound	47.28219, -122.36100	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Southbound				W1-8L	Chevron Alignment Left	18	24	
	6	Southbound	47.28239, -122.36119	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 15 mph speed plaque. Maintain existing Turn Right Warning Sign.

PSST: Perforated Square Steel Tube
EX: Existing

Notes

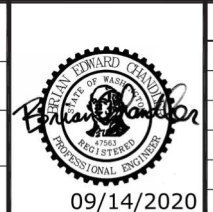
1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

CITY OF Federal Way
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DKS Associates
DESIGNED: DKS Associates
REVIEWED: Brian Chandler
APPROVED:



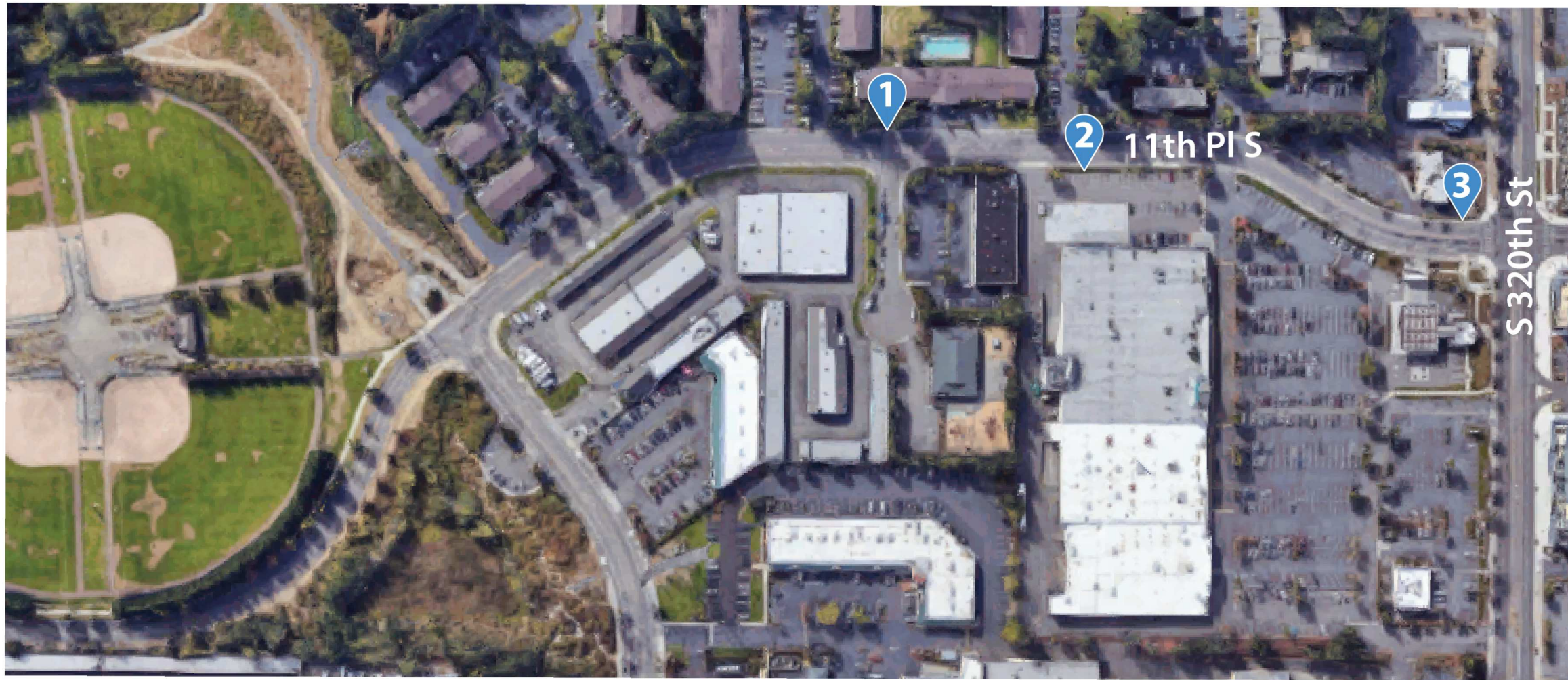
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NO.	DATE	REVISION

City of Federal Way

Horizontal Curve Warning Signs

NS CORRIDOR 9: 21ST AVE SW: SW 356TH ST – 64TH AVE NE

CITY PROJECT #: 218
SHT. 8
OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
10	1	Southbound	47.31259, -122.31922	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-25	Advisory Speed Plaque 25	18	18	
	2	Northbound	47.31344, -122.31899	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	3	Southbound	47.31494, -122.31868	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-25	Advisory Speed Plaque 25	18	18	

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL



DRAFTED: DKS Associates
 DESIGNED: DKS Associates
 REVIEWED: Brian Chandler
 APPROVED:



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NO.	DATE	REVISION

City of Federal Way
 Horizontal Curve Warning Signs
 NS CORRIDOR 10: 11TH PL S/13TH AVE S: S 320TH ST / S 328TH ST

CITY PROJECT #: 218
 SHT. 9 OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
12	1	Southbound	47.34166, -122.31846	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-30	Advisory Speed Plaque 30	18	18	
	2	Northbound	47.34044, -122.31722	EX	EX	W1-1R	Turn Right Warning Sign	30	30	Replace existing Curve Right Warning Sign.
						W13-1P-30	Advisory Speed Plaque 30	18	18	

PSST: Perforated Square Steel Tube
EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL



DRAFTED: DKS Associates
DESIGNED: DKS Associates
REVIEWED: Brian Chandler
APPROVED:



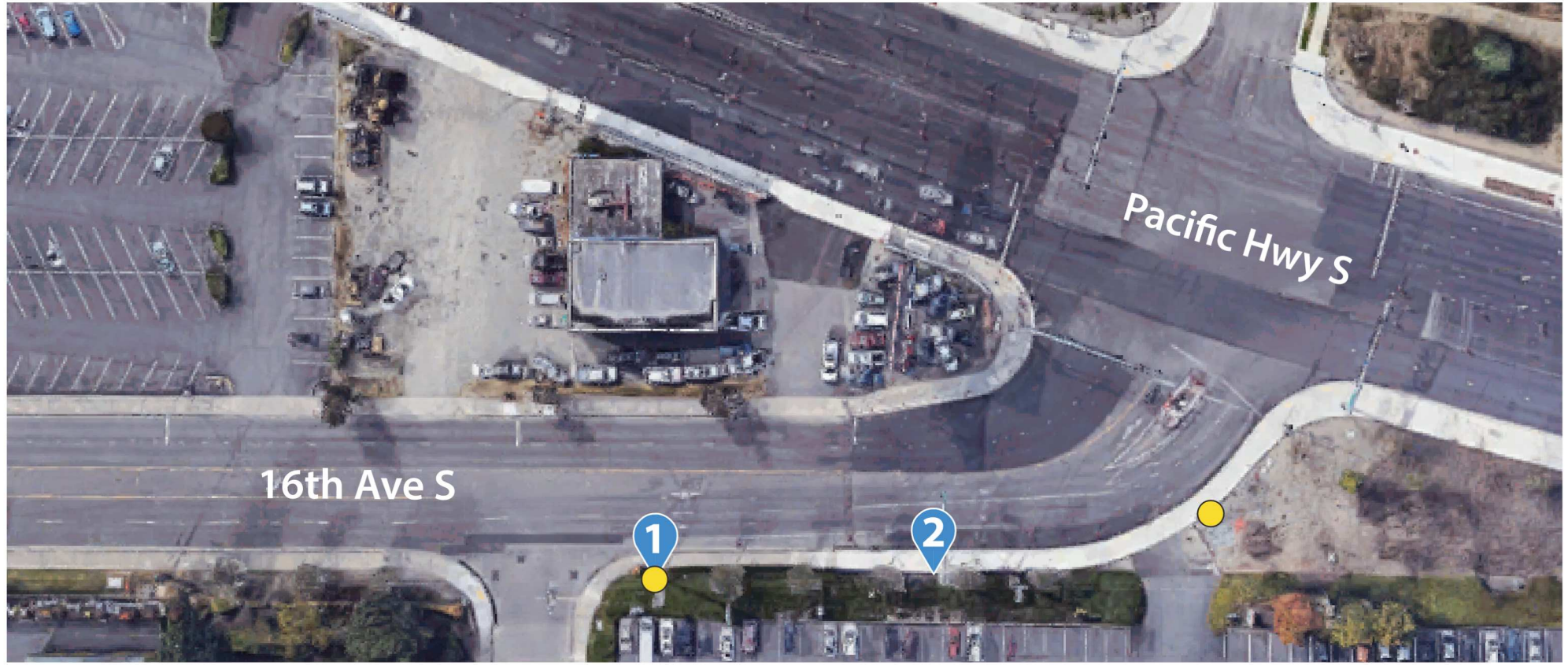
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NO.	DATE	REVISION

City of Federal Way

Horizontal Curve Warning Signs
NS CORRIDOR 12: REDONDO WAY S: CITY LIMIT/ SR 509

CITY PROJECT #:
218

SHT. 10
OF 50



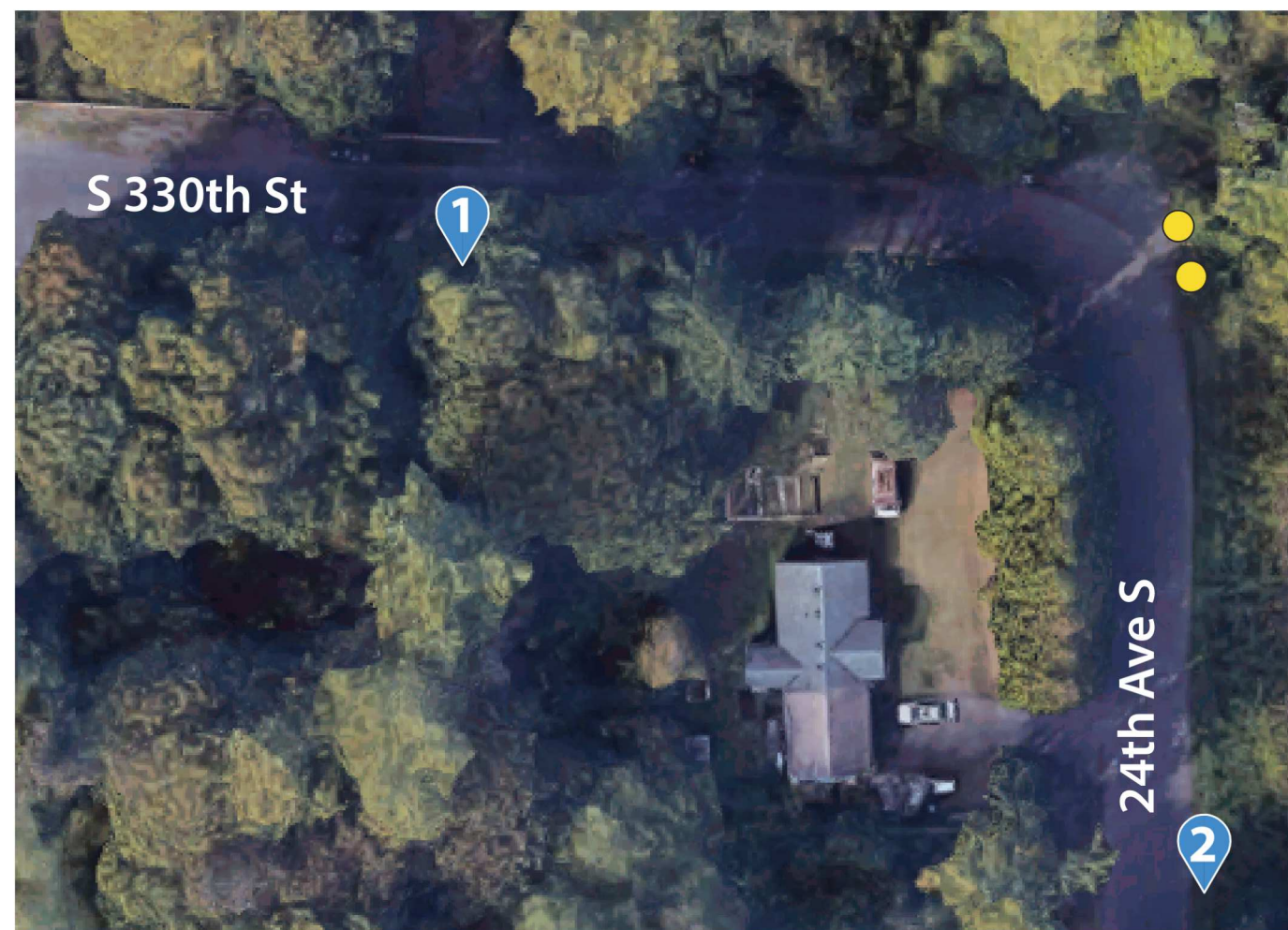
Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
14	1	Northbound	47.29583, -122.31333	EX	EX	W1-1L	Turn Left Warning Sign	36	36	Replace existing Curve Left Warning Sign.
						W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 20 mph speed plaque with 10 mph speed plaque.
	2	Southbound	47.29621, -122.31333	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	

PSST: Perforated Square Steel Tube
 EX: Existing

- Notes
1. Maintain and protect existing signs and posts unless otherwise noted.
 2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		City of Federal Way Horizontal Curve Warning Signs NS CORRIDOR 14: 16TH AVE S AND S 340TH ST	CITY PROJECT #: 218 SHT. 11 OF 50
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:					



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
15	1	Southbound	47.30601, -122.30368	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-15	Advisory Speed Plaque 15	18	18	
	2	Northbound	47.30556, -122.30284	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-15	Advisory Speed Plaque 15	18	18	

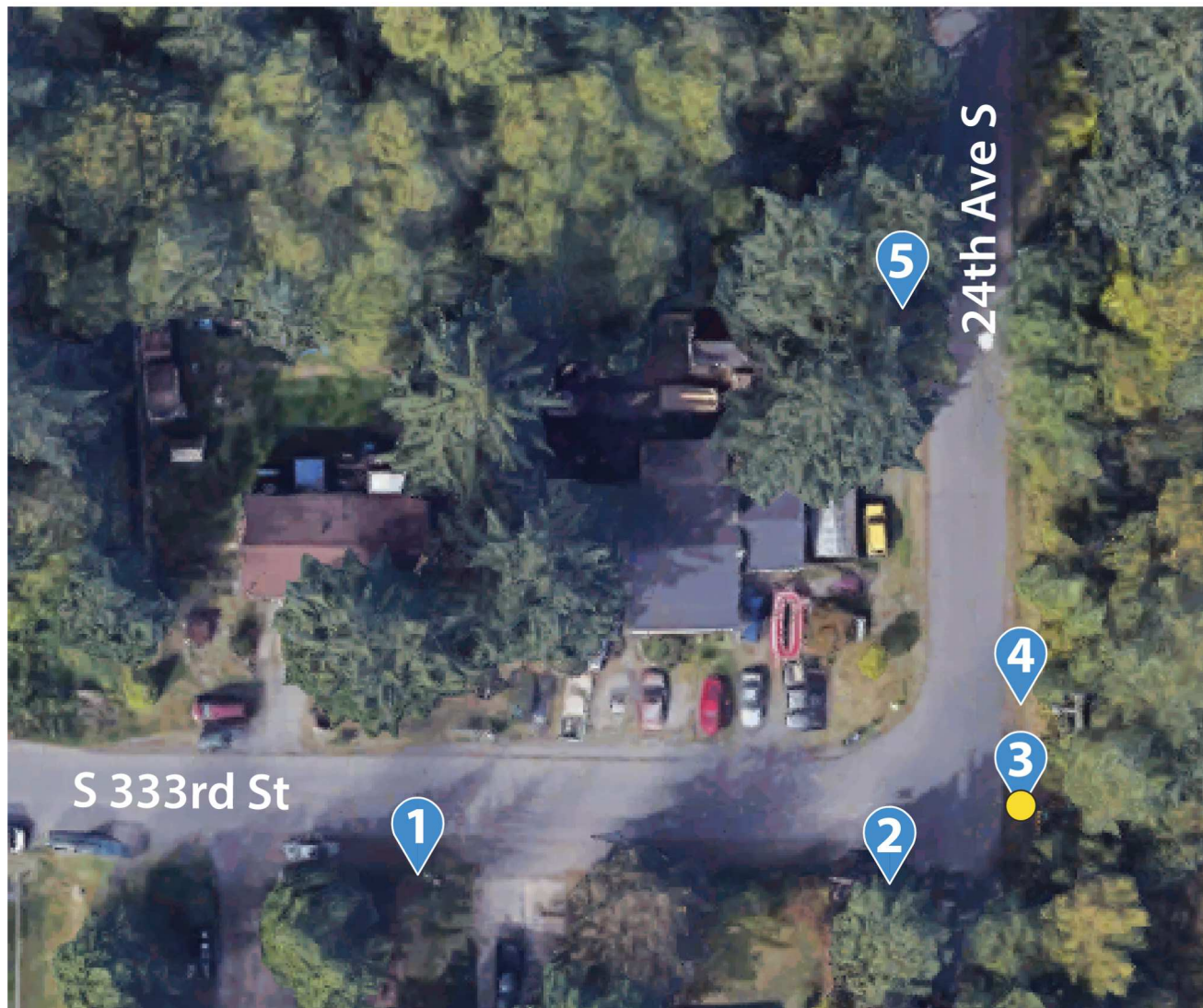
PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>NS CORRIDOR 15: 24TH AVE S AT S 330TH ST</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 12	
		APPROVED:	09/14/2020				OF 50	



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
16	1	Northbound	47.30297, -122.30349	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-15	Advisory Speed Plaque 15	18	18	
	2	Southbound	47.30297, -122.30304	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to existing utility pole.
		Northbound				W1-8L	Chevron Alignment Left	18	24	
	3	Southbound	47.30301, -122.30285	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to existing street name post.
		Northbound				W1-8L	Chevron Alignment Left	18	24	
	4	Southbound	47.30308, -122.30285	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to existing utility pole.
		Northbound				W1-8L	Chevron Alignment Left	18	24	
	5	Southbound	47.30337, -122.30296	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	

PSST: Perforated Square Steel Tube
EX: Existing

- Notes
1. Maintain and protect existing signs and posts unless otherwise noted.
 2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		City of Federal Way Horizontal Curve Warning Signs NS CORRIDOR 16: 24TH AVE S AT S 333RD ST	CITY PROJECT #: 218
		DESIGNED: DKS Associates		NO.	DATE		REVISION
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
18	1	Southbound	47.31001, -122.31197	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 15 mph speed plaque. Maintain existing Left Turn Warning Sign.
	2	Northbound	47.3098, -122.31112	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	
	3	Southbound	47.30832, -122.30922	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	4	Northbound	47.3067, -122.30745	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	

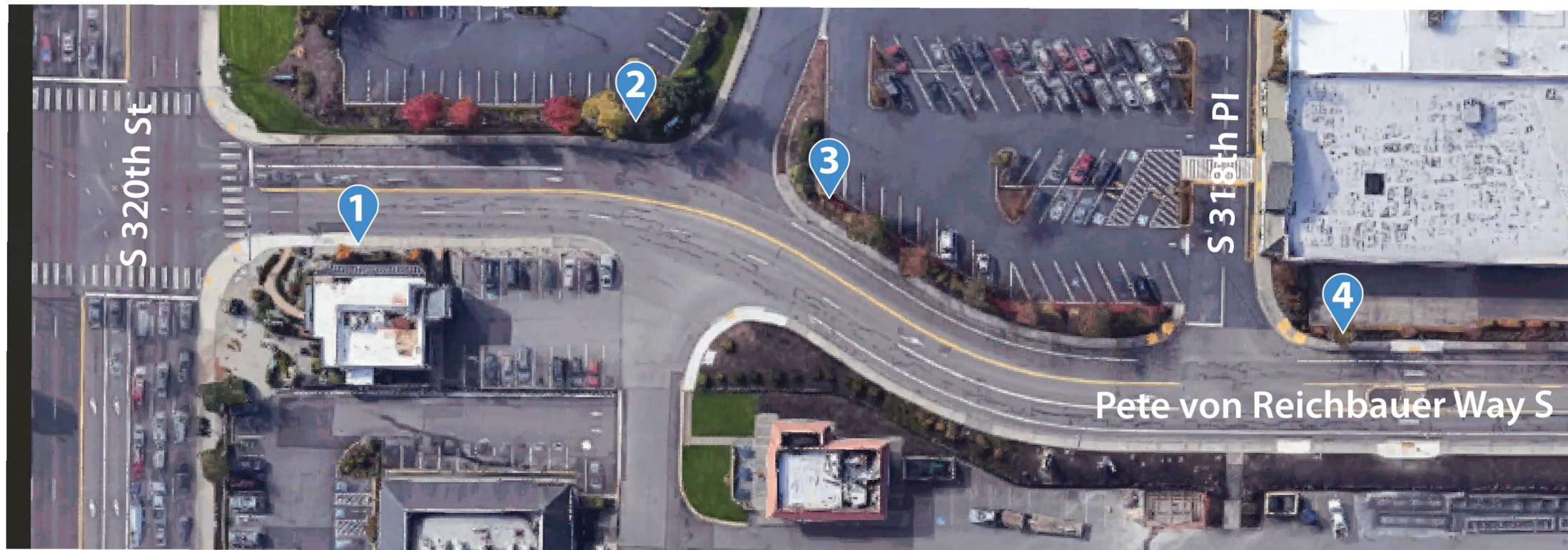
PSST: Perforated Square Steel Tube
 EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>NS CORRIDOR 18: 17TH AVE S / 20TH WAY S : S 325TH ST / S 330TH ST</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 14 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE	REVISION		
		REVIEWED: Brian Chandler						
		APPROVED:	09/14/2020					



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
19	1	Northbound	47.31546, -122.3084	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	36	36	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	2	Southbound	47.31579, -122.30865	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
	3	Northbound	47.31605, -122.3085	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	
	4	Southbound	47.31674, -122.30823	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	36	36	
						W13-1P-20	Advisory Speed Plaque 20	18	18	

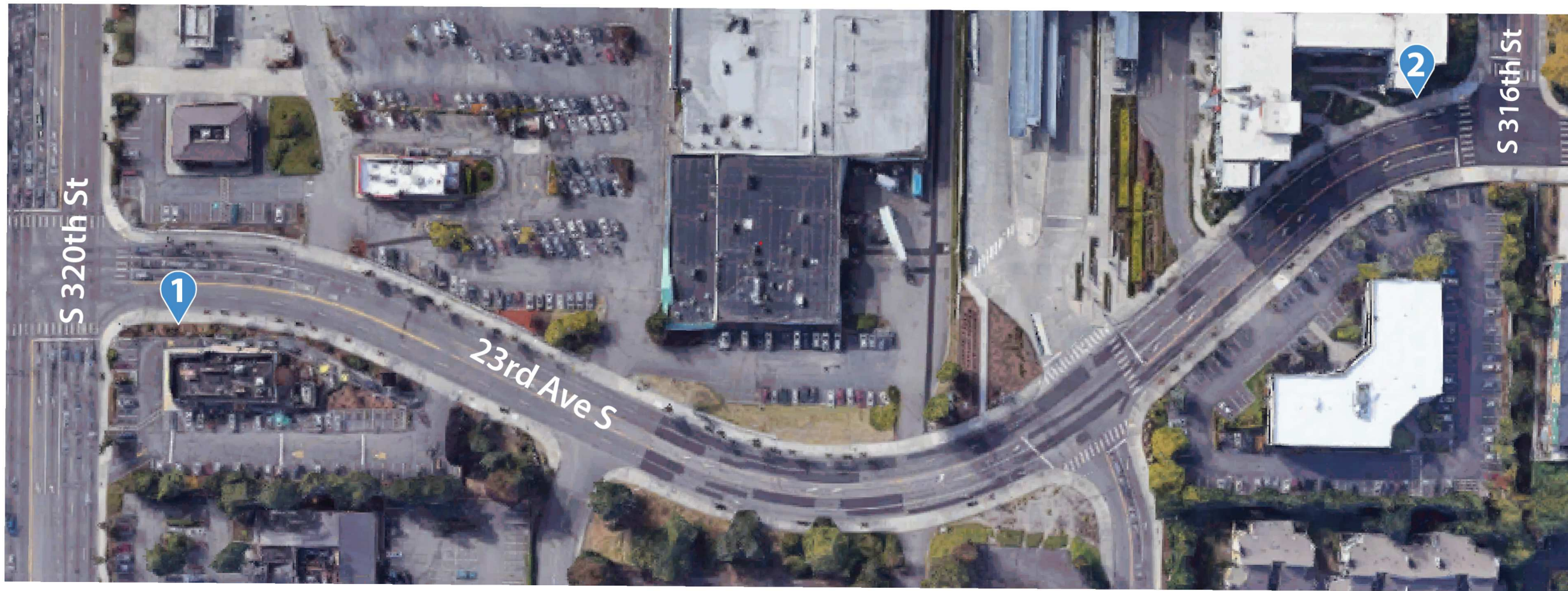
PSST: Perforated Square Steel Tube

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>NS CORRIDOR 19: PETE VON REICHBAUER WAY S : S 318TH PL / S 320TH ST</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 15	
		APPROVED:	09/14/2020				OF 50	



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
20	1	Northbound	47.31543, -122.30345	PSST	2.25" x 2.25"	W1-5R	Winding Road Right Warning Sign	36	36	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	2	Southbound	47.31841, -122.30429	PSST	2.25" x 2.25"	W1-5L	Winding Road Left Warning Sign	36	36	
						W13-1P-20	Advisory Speed Plaque 20	18	18	

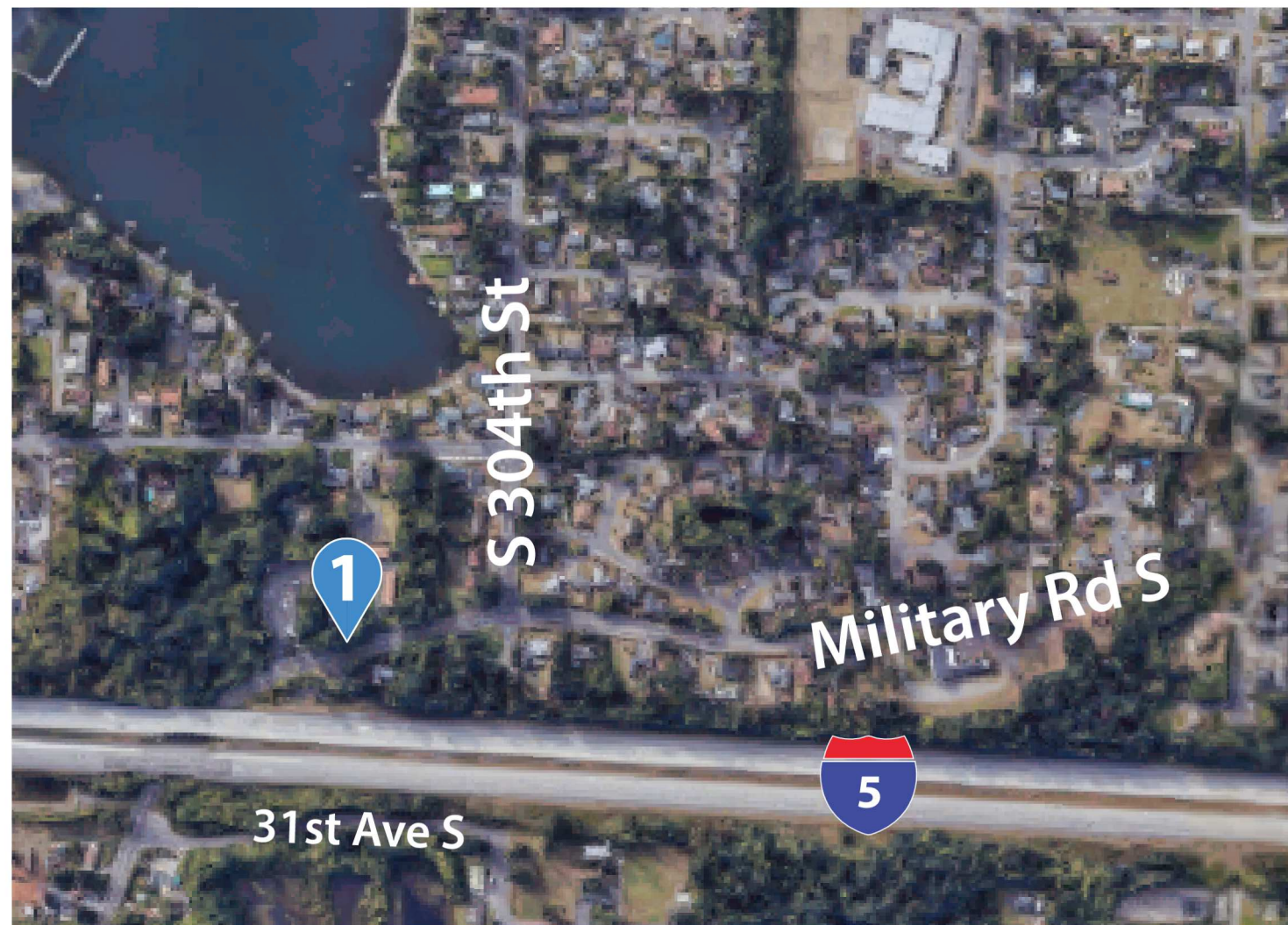
PSST: Perforated Square Steel Tube

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p style="text-align: center;">City of Federal Way</p> <p style="text-align: center;">Horizontal Curve Warning Signs</p> <p style="text-align: center;">NS Corridor 20: 23rd AVE S: S 316TH ST – S 320TH ST</p>	CITY PROJECT #: 218
		DESIGNED: DKS Associates		NO.	DATE	REVISION		SHT. 16 OF 50
		REVIEWED: Brian Chandler						
		APPROVED:	09/14/2020					



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
21B	1	Southbound	47.3283, -122.29526	PSST	2.25" x 2.25"	W1-2L	Curve Left Warning Sign	30	30	
						W13-1P-35	Advisory Speed Plaque 35	18	18	

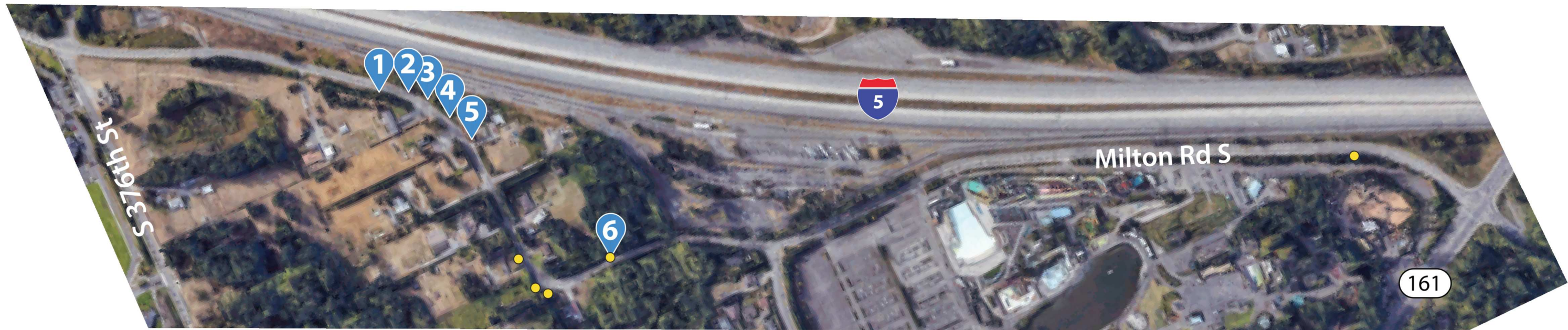
PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		City of Federal Way Horizontal Curve Warning Signs NS CORRIDOR 21B: MILITARY RD S : S 288TH ST – 31 AVE S	CITY PROJECT #: 218
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
24	1	Northbound	47.26728, -122.31867	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	2	Northbound	47.2679, -122.3181	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
						W1-8L	Chevron Alignment Left	18	24	
	3	Northbound	47.26802, -122.31783	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
						W1-8L	Chevron Alignment Left	18	24	
	4	Northbound	47.26812, -122.31753	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
						W1-8L	Chevron Alignment Left	18	24	
	5	Northbound	47.26819, -122.31723	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
						W1-8L	Chevron Alignment Left	18	24	
	6	Southbound	47.26916, -122.31469	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	Remove existing Turn Right Warning Sign and post.
						W13-1P-20	Advisory Speed Plaque 20	18	18	

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>NS CORRIDOR 24: MILTON RD S: SR 161- S 375TH</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 18	
		APPROVED:	09/14/2020				OF 50	



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
1	1	Southbound	47.35741, -122.30486	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-25	Advisory Speed Plaque 25	18	18	
	2	Southbound	47.35686, -122.30462	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
						W1-1R	Turn Right Warning Sign	30	30	
3	Northbound	47.35673, -122.30384	PSST	2.25" x 2.25"	W13-1P-25	Advisory Speed Plaque 25	18	18		

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL



DRAFTED: DKS Associates
 DESIGNED: DKS Associates
 REVIEWED: Brian Chandler
 APPROVED:



09/14/2020

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

City of Federal Way
 Horizontal Curve Warning Signs
 EW CORRIDOR 1: S STAR LAKE RD: S 272ND ST – S 275TH PLACE

CITY PROJECT #:
218
 SHT. 19
 OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2A	1	Eastbound	47.32256, -122.39401	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	2	Eastbound	47.32253, -122.3937	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	3	Eastbound	47.32245, -122.39334	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	4	Eastbound	47.32232, -122.39309	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	5	Eastbound	47.32214, -122.39288	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	6	Eastbound	47.32166, -122.39268	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	7	Eastbound	47.32149, -122.39229	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	8	Eastbound	47.32143, -122.39196	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	9	Eastbound	47.32144, -122.39163	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	10	Westbound	47.32159, -122.39115	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-30	Advisory Speed Plaque 30	18	18	
	11	Westbound	47.32164, -122.39067	EX	EX	-	-	-	-	Remove existing 25 mph speed plaque, post, and Reverse Turn Right Warning Sign.

PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2A: SR 509 County Line - SR 99, 48TH PL SW - 44TH AVE SW</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 20 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE	REVISION		
		REVIEWED: Brian Chandler						
		APPROVED:	09/14/2020					






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2B	1	Eastbound	47.32302, -122.38561	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing 25 mph speed plaque. Maintain existing Reverse Turn Right Warning Sign.
	2	Westbound	47.32459, -122.38104	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing 25 mph speed plaque. Maintain existing Reverse Turn Right Warning Sign.

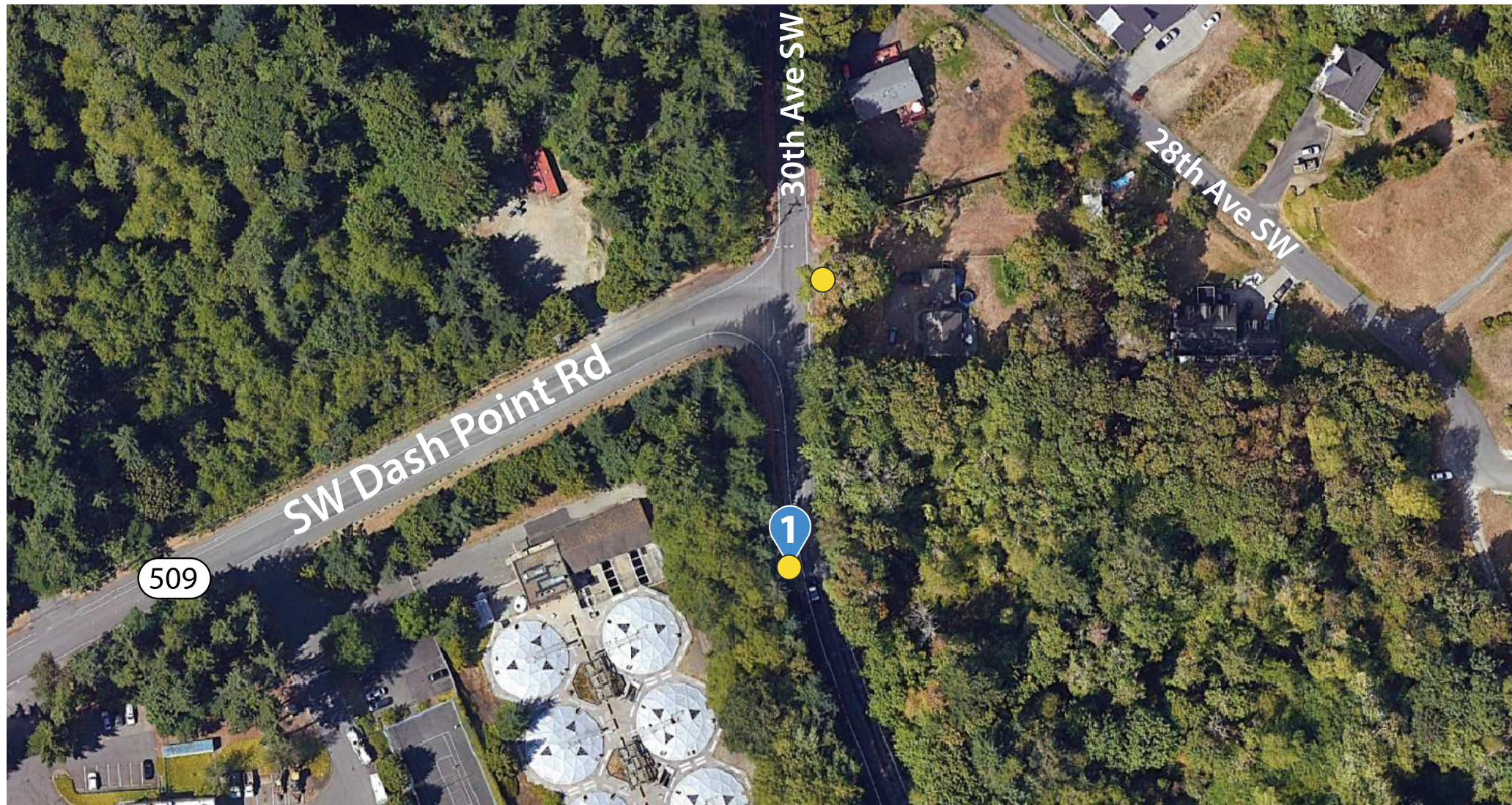
EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2B: SR 509 County Line - SR 99, 43RD PL SW - SW 309TH ST</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 21 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2C	1	Eastbound	47.32812, -122.3709	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing 25 mph speed plaque. Maintain existing Winding Road Right Warning Sign.

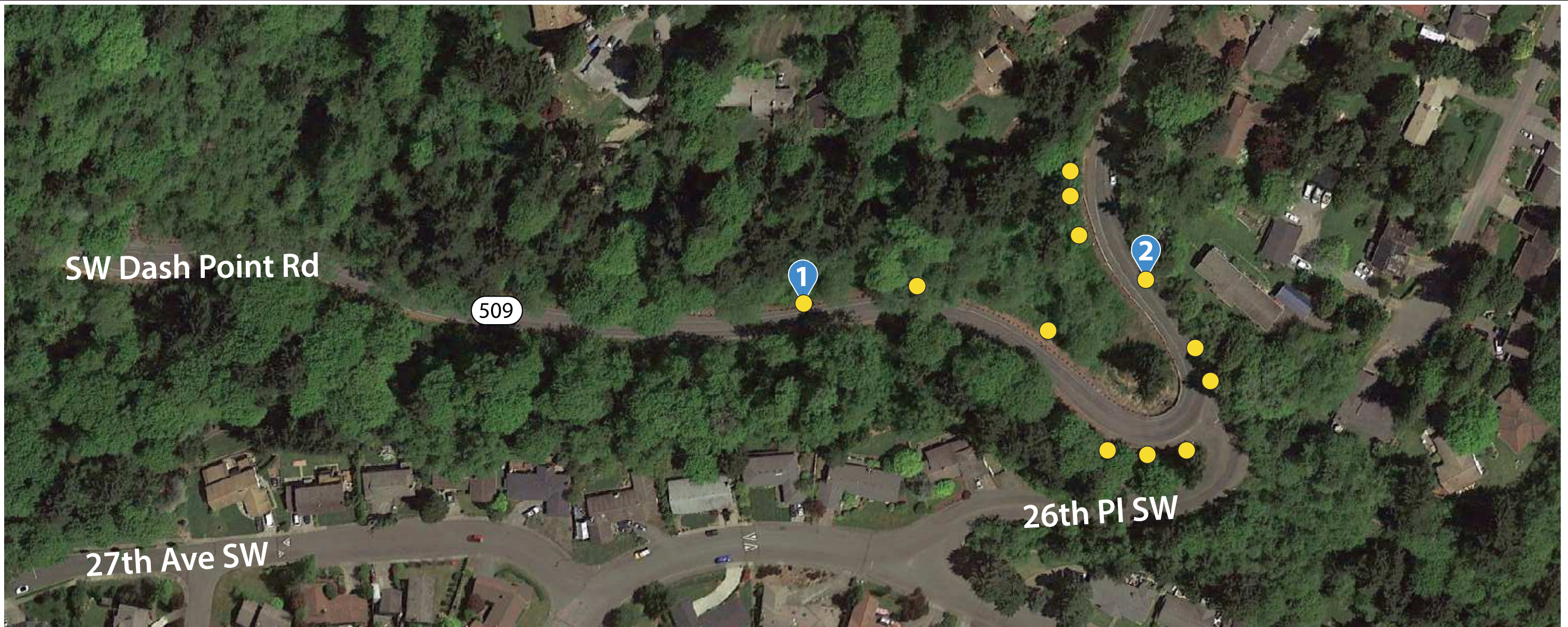
EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2C: SR 509 County Line - SR 99, 30TH AVE SW</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE		REVISION
		REVIEWED: Brian Chandler					SHT. 22
		APPROVED:	09/14/2020				OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2D	1	Westbound	47.32059, -122.3659	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing 25 mph speed plaque. Maintain existing Winding Road Right Warning Sign.
	2	Eastbound	47.3197, -122.36516	EX	EX	W1-5R	Winding Road Right Warning Sign	30	30	Replace existing Curve Right Warning Sign.
				EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing 25 mph speed plaque. Maintain existing Turn Right Warning Sign.

EX: Existing

- Notes
- Maintain and protect existing signs and posts unless otherwise noted.
 - See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2D: SR 509 County Line - SR 99, 26TH PL SW</p>	<p>CITY PROJECT #: 218</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2E	1	Westbound	47.32086, -122.36092	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Add below existing Winding Road Left Warning Sign.

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2F	1	Eastbound	47.33015, -122.34802	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	2	Eastbound	47.33067, -122.34697	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	3	Westbound	47.33101, -122.34566	EX	EX	W1-1L	Turn Left Warning Sign	30	30	Replace existing Curve Left Warning Sign.
						W13-1P-30	Advisory Speed Plaque 30	18	18	

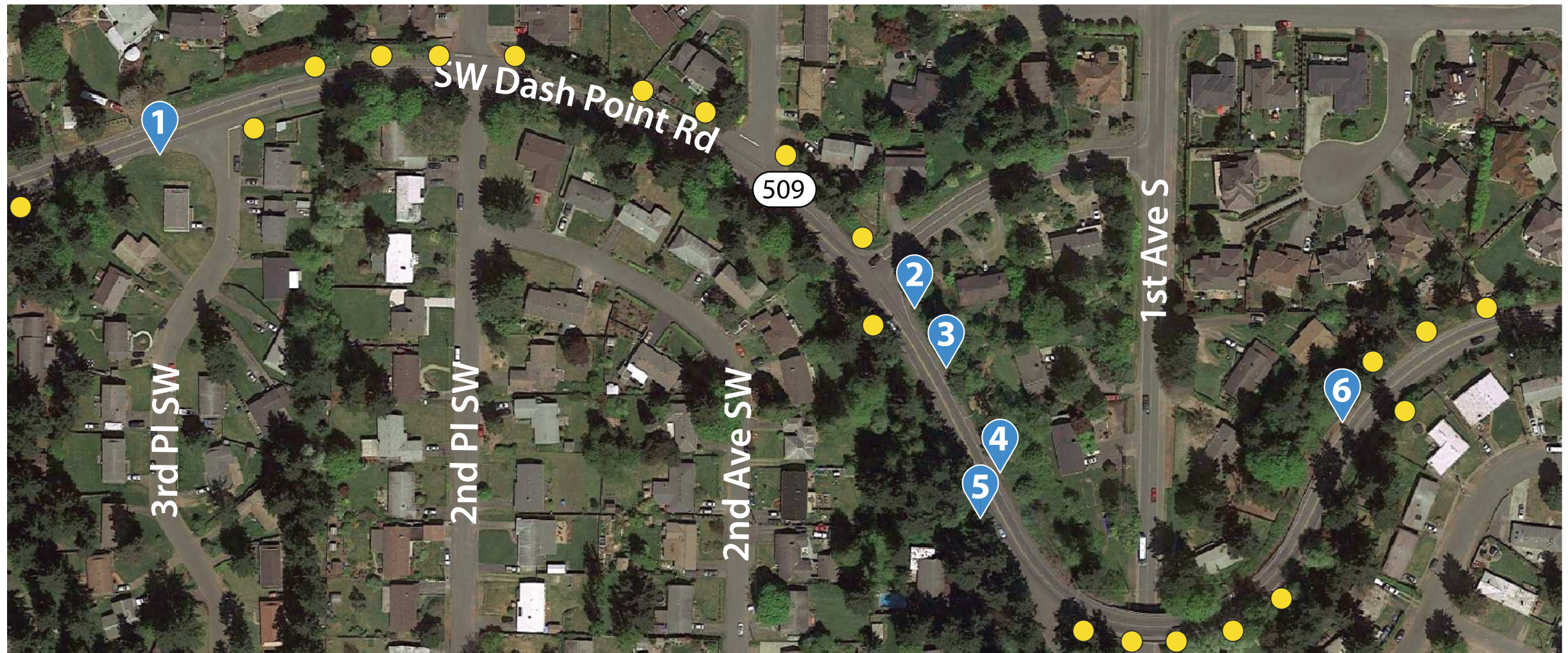
PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2F: SR 509 County Line - SR 99, 10TH AVE SW - 8TH AVE SW</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 25 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2G	1	Eastbound	47.33238, -122.33939	PSST	2.25" x 2.25"	W1-2R	Curve Right Warning Sign	30	30	
						W13-1P-35	Advisory Speed Plaque 35	18	18	
	2	Eastbound	47.33186, -122.33574	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	3	Eastbound	47.33167, -122.33556	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	
	4	Westbound	47.33132, -122.33532	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-30	Advisory Speed Plaque 30	18	18	
	5	Eastbound	47.33118, -122.33544	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
						W1-8R	Chevron Alignment Right	18	24	
	6	Eastbound	47.3315, -122.33368	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
						W1-8L	Chevron Alignment Left	18	24	

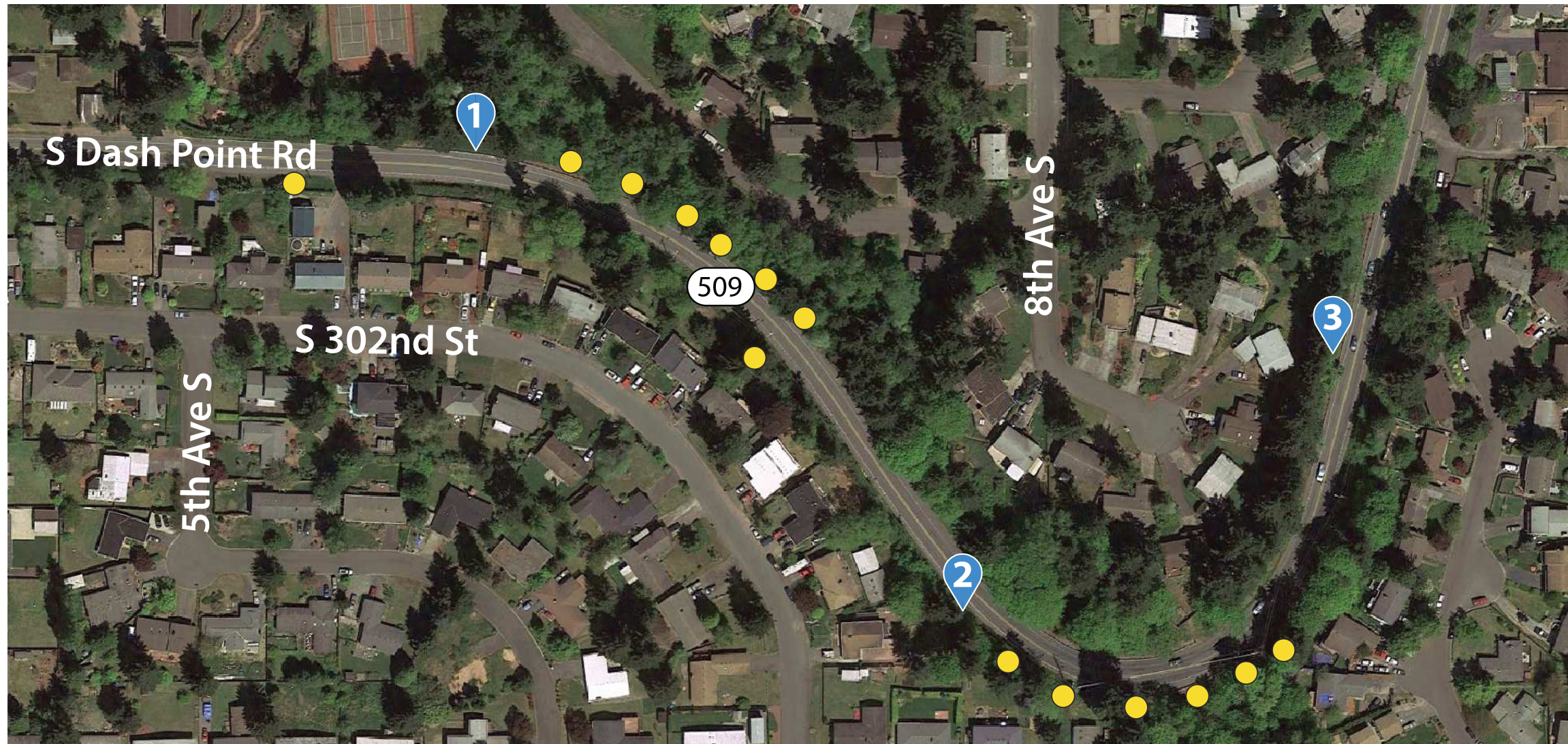
PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2G: SR 509 County Line - SR 99, 3RD PL SW - 2ND PL S</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 26 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2H	1	Eastbound	47.33173, -122.32671	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	2	Eastbound	47.33026, -122.32442	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	3	Westbound	47.33105, -122.3226	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
						W13-1P-25	Advisory Speed Plaque 25	18	18	

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 2H: SR 509 County Line - SR 99</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 27 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
2I	1	Westbound	47.33472, -122.31966	EX	EX	W13-1P-35	Advisory Speed Plaque 35	18	18	Install 35 mph speed plaque below existing Curve Left Warning Sign.
	2	Eastbound	47.33622, -122.31552	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 25 mph speed plaque. Maintain existing Reverse Turn Right Warning Sign.
	3	Eastbound	47.33667, -122.31426	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	

PSST: Perforated Square Steel Tube
 EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL



DRAFTED: DKS Associates
 DESIGNED: DKS Associates
 REVIEWED: Brian Chandler
 APPROVED:



09/14/2020

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

City of Federal Way
 Horizontal Curve Warning Signs
 EW Corridor 2I: SR 509 County Line - SR 99, 11TH PL S -SR 99

CITY PROJECT #:
218
 SHT. 28
 OF 50






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
7	1	Eastbound	47.29924, -122.34921	EX	EX	W1-1L	Turn Left Warning Sign	30	30	Replace existing Curve Left Warning Sign.
						W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 25 mph speed plaque.
	2	Westbound	47.30067, -122.34805	EX	EX	W1-1R	Turn Right Warning Sign	30	30	Replace existing Curve Right Warning Sign.
						W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 25 mph speed plaque.

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 7: SW 330TH ST – 10TH AVE SW: SW CAMPUS DR – 1ST AVE</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 29	
		APPROVED:	09/14/2020				OF 50	



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
8	1	Eastbound	47.3052, -122.32391	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
	2	Westbound	47.30445, -122.32244	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	

PSST: Perforated Square Steel Tube

- Notes
1. Maintain and protect existing signs and posts unless otherwise noted.
 2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p style="text-align: center;">City of Federal Way</p> <p style="text-align: center;">Horizontal Curve Warning Signs</p> <p style="text-align: center;">EW Corridor 8: S 333RD ST: 8TH AVE S – CELEBRATION PARK RD</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE		REVISION
		REVIEWED: Brian Chandler					SHT. 30
		APPROVED:	09/14/2020				OF 50






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
9A	1	Eastbound	47.3368, -122.34473	PSST	2.25" x 2.25"	W1-5L	Winding Road Left Warning Sign	30	30	
						W13-1P-15	Advisory Speed Plaque 15	18	18	
	2	Westbound	47.33686, -122.34392	EX	EX	W1-8L	Chevron Alignment Left	18	24	Add chevron on the back of existing stop sign.
						W1-8R	Chevron Alignment Right	18	24	
3	Eastbound	47.3369, -122.34391	EX	EX	W1-6L	Large Arrow Left	48	24	Remove existing double arrow sign.	
4	Eastbound	47.33755, -122.34386	EX	EX	-	-	-	-	Remove existing Turn Right Warning Sign, post, and 15 mph speed plaque.	

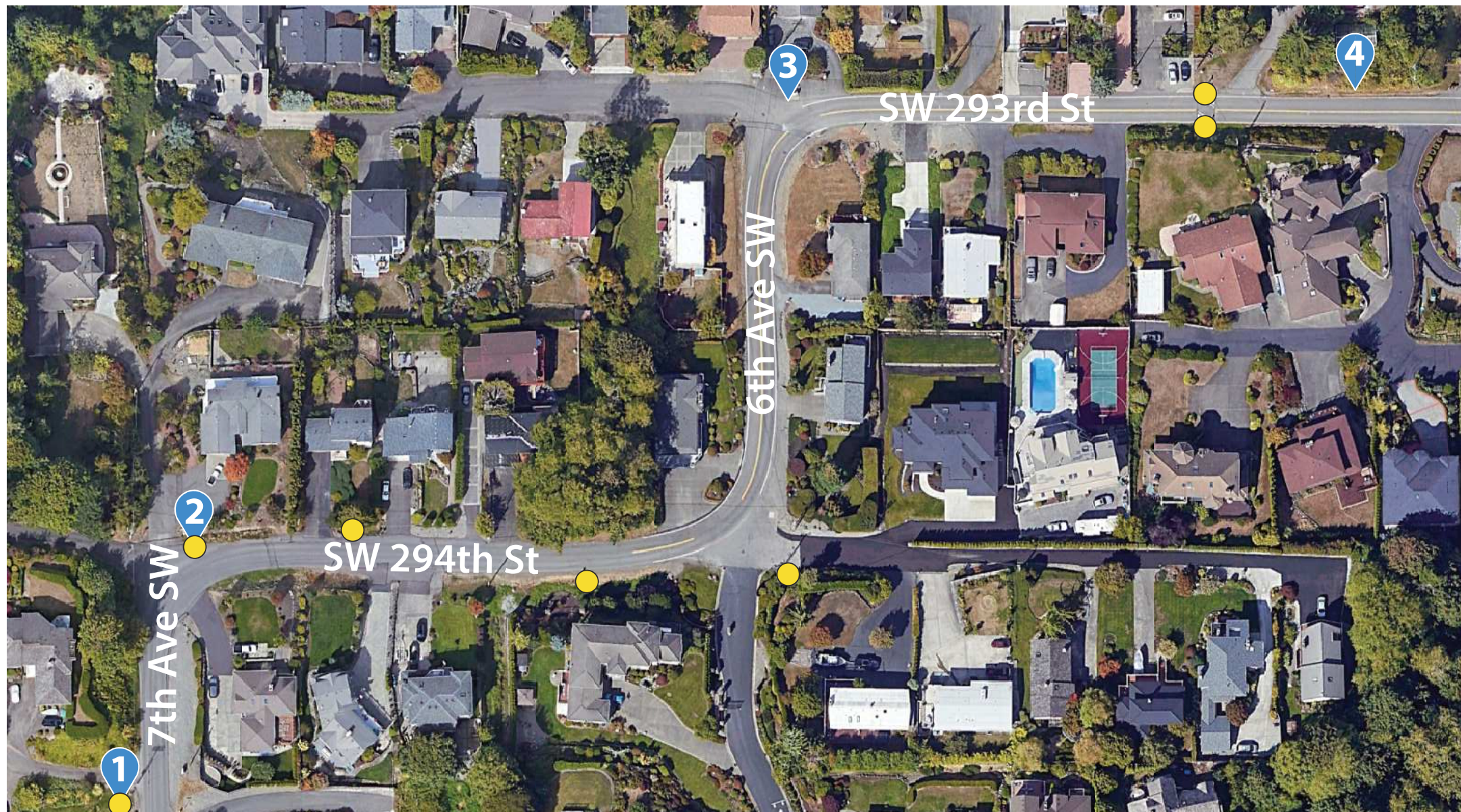
PSST: Perforated Square Steel Tube
EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs EW Corridor 9A: SW 296th ST- 7TH AVE SW</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 31 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
9B	1	Eastbound	47.33805, -122.34402	EX	EX	-	-	-	-	Remove existing Reverse Turn Right Warning Sign, post, and 15 mph speed plaque.
	2	Westbound	47.33871, -122.34387	EX	EX	W1-6L	Large Arrow Left	48	24	Mount to existing road sign post.
	3	Eastbound	47.33966, -122.34193	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to existing road sign post under dead end sign at SW 293rd St and 6th Ave SW.
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	4	Westbound	47.33967, -122.34018	PSST	2.25" x 2.25"	W1-5L	Winding Road Left Warning Sign	30	30	
W13-1P-10						Advisory Speed Plaque 10	18	18		

PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL



DRAFTED: DKS Associates
DESIGNED: DKS Associates
REVIEWED: Brian Chandler
APPROVED:



09/14/2020

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

City of Federal Way

Horizontal Curve Warning Signs
EW Corridor 9B: 7TH AVE SW - SW 294TH ST - 6TH AVE SW - SW 293RD ST

CITY PROJECT #: 218
SHT. 32
OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
9C	1	Eastbound	47.33966, -122.33816	EX	EX	W1-8L	Chevron Alignment Left	18	24	Mount to existing stop sign post.
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	2	Eastbound	47.34052, -122.33827	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to existing road sign post under dead end sign at SW 292nd St and 3rd Ave SW.
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	3	Westbound	47.3406, -122.33706	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 15 mph speed plaque. Maintain existing Reverse Turn Left Warning Sign.

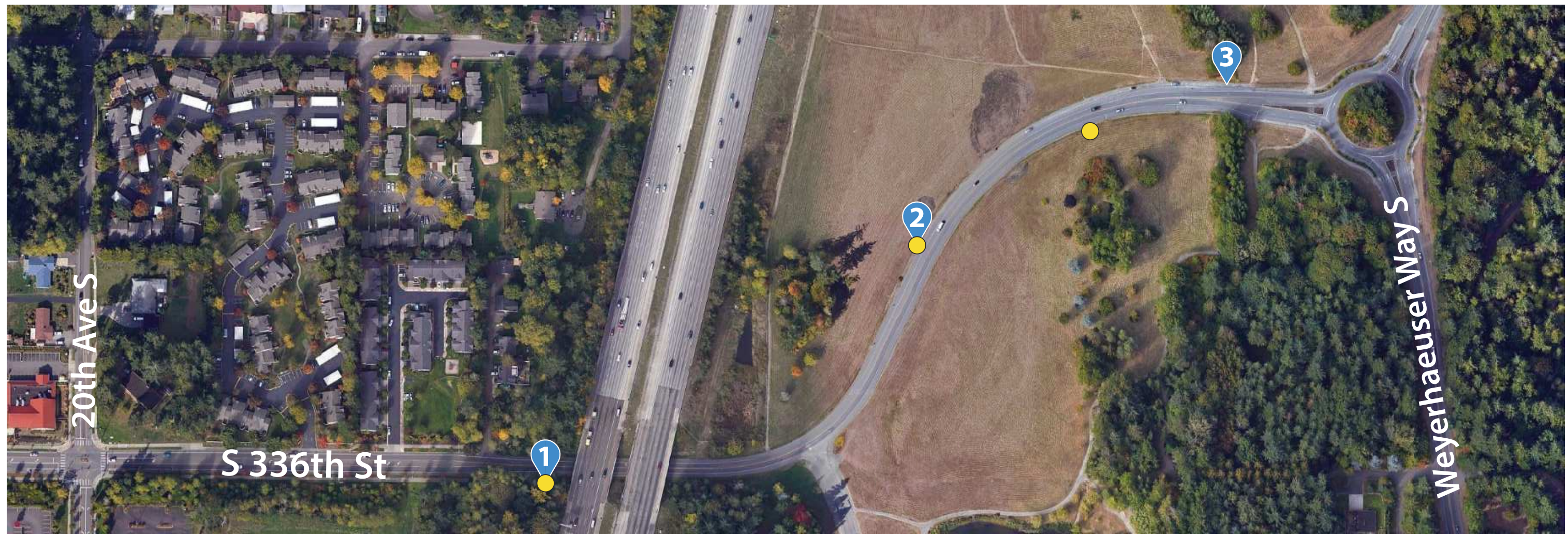
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW Corridor 9C: SW 293RD ST - 3RD AVE SW - SW 292ND ST</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 33 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
10B	1	Eastbound	47.30056, -122.30342	EX	EX	W1-3L	Reverse Turn Left Warning Sign	30	30	Replace existing Turn Left Warning Sign.
						W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing 25 mph speed plaque.
	2	Westbound	47.30187, -122.30042	EX	EX	-	-	-	-	Remove existing Turn Right Warning Sign, post, and 25 mph speed plaque.
	3	Westbound	47.30281, -122.29775	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30	
W13-1P-30						Advisory Speed Plaque 30	18	18		

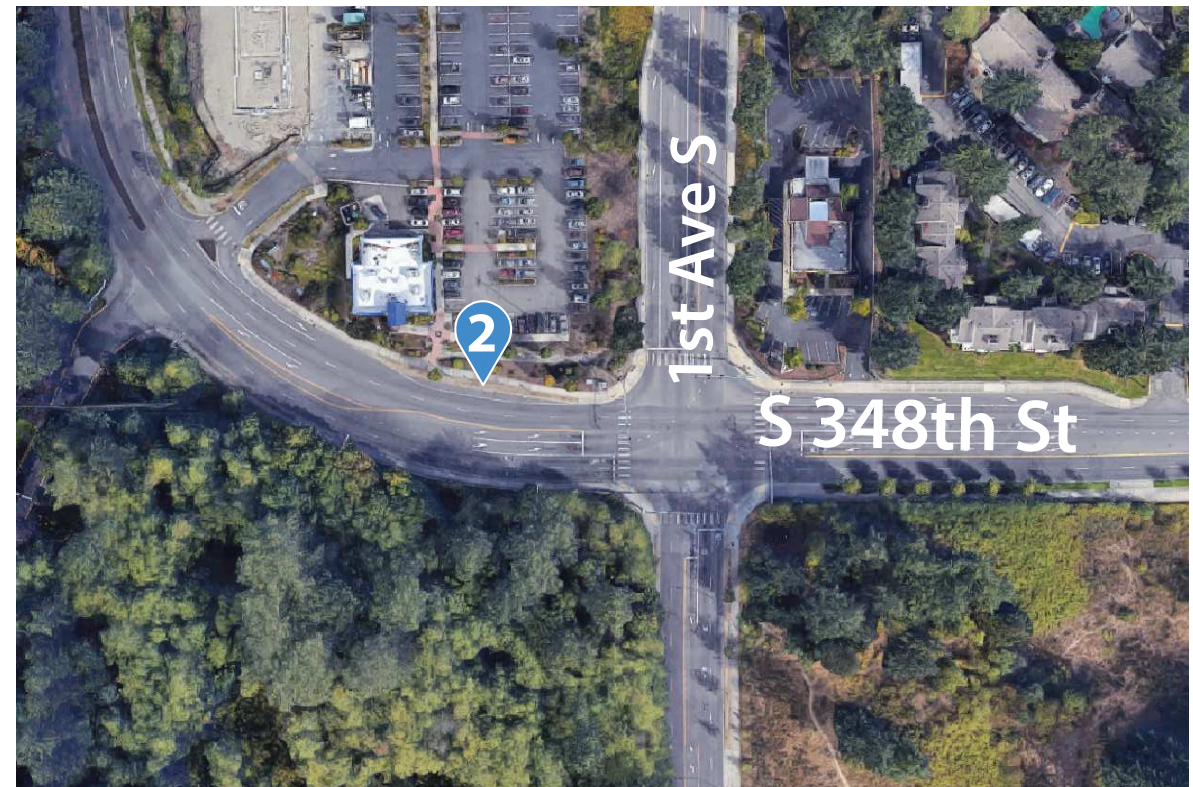
PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 10B: 336TH ST: 1-5 - WEYERHAEUSER WAY S</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 34 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE		
		REVIEWED: Brian Chandler					
		APPROVED:	09/14/2020				






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
11C	1	Eastbound	47.30057, -122.35728	EX	EX	W1-5R	Winding Road Right Warning Sign	36	36	Replace existing Do Not Litter Sign.
						W13-1P-30	Advisory Speed Plaque 30	18	18	
	2	Westbound	47.29002, -122.33541	PSST	2.25" x 2.25"	W1-5R	Winding Road Right Warning Sign	36	36	
						W13-1P-30	Advisory Speed Plaque 30	18	18	

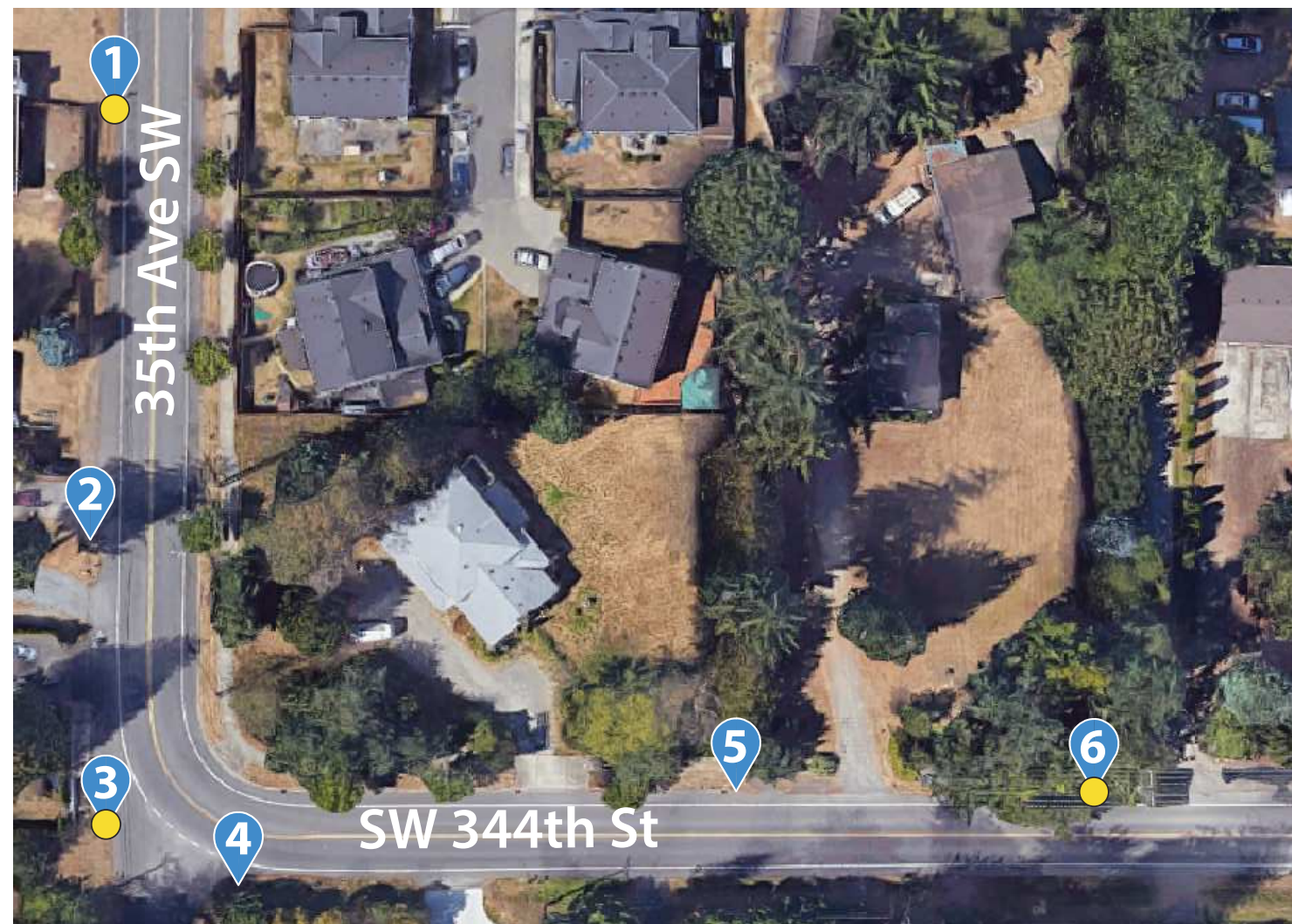
PSST: Perforated Square Steel Tube
 EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 11C: SW 340TH ST – CAMPUS DR SW : 17TH AVE SW – 1ST AVE S</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 35 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE	REVISION		
		REVIEWED: Brian Chandler						
		APPROVED:	09/14/2020					



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
12A	1	Eastbound	47.29424, -122.37694	EX	EX	-	-	-	-	Remove existing Turn Left Warning Sign, 15 mph speed plaque, and post.
	2	Eastbound	47.29379, -122.37698	EX	EX	W1-1L	Turn Left Warning Sign	30	30	Mount signs to existing utility pole
						W13-1P-10	Advisory Speed Plaque 10	18	18	
	3	Westbound	47.29351, -122.37697	EX	EX	-	-	-	-	Maintain existing WB large arrow right. Remove the existing 15 mph speed plaque below large arrow right.
	4	Eastbound	47.29344, -122.37676	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
	5	Westbound	47.29355, -122.37603	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
W13-1P-10						Advisory Speed Plaque 10	18	18		
6	Westbound	47.29357, -122.37557	EX	EX	-	-	-	-	Remove existing Turn Right Warning Sign, 15 mph speed plaque, and post.	

PSST: Perforated Square Steel Tube
 EX: Existing

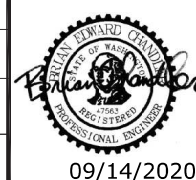
- Notes
1. Maintain and protect existing signs and posts unless otherwise noted.
 2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

CITY OF Federal Way
 Centered on Opportunity
 33325 8TH AVE S FEDERAL WAY, WA 98003
 PHONE: (253) 835-2700
 WWW.CITYOFFEDERALWAY.COM



DRAFTED: DKS Associates
 DESIGNED: DKS Associates
 REVIEWED: Brian Chandler
 APPROVED:



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

City of Federal Way

Horizontal Curve Warning Signs

EW CORRIDOR 12A: SW 344TH ST: S 35TH AVE SW

CITY PROJECT #: 218
 SHT. 36
 OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
12B	1	Eastbound	47.29341, -122.35911	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	
	2	Westbound	47.29355, -122.35849	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
	3	Eastbound	47.29344, -122.35841	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	
	4	Westbound	47.29326, -122.35842	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	

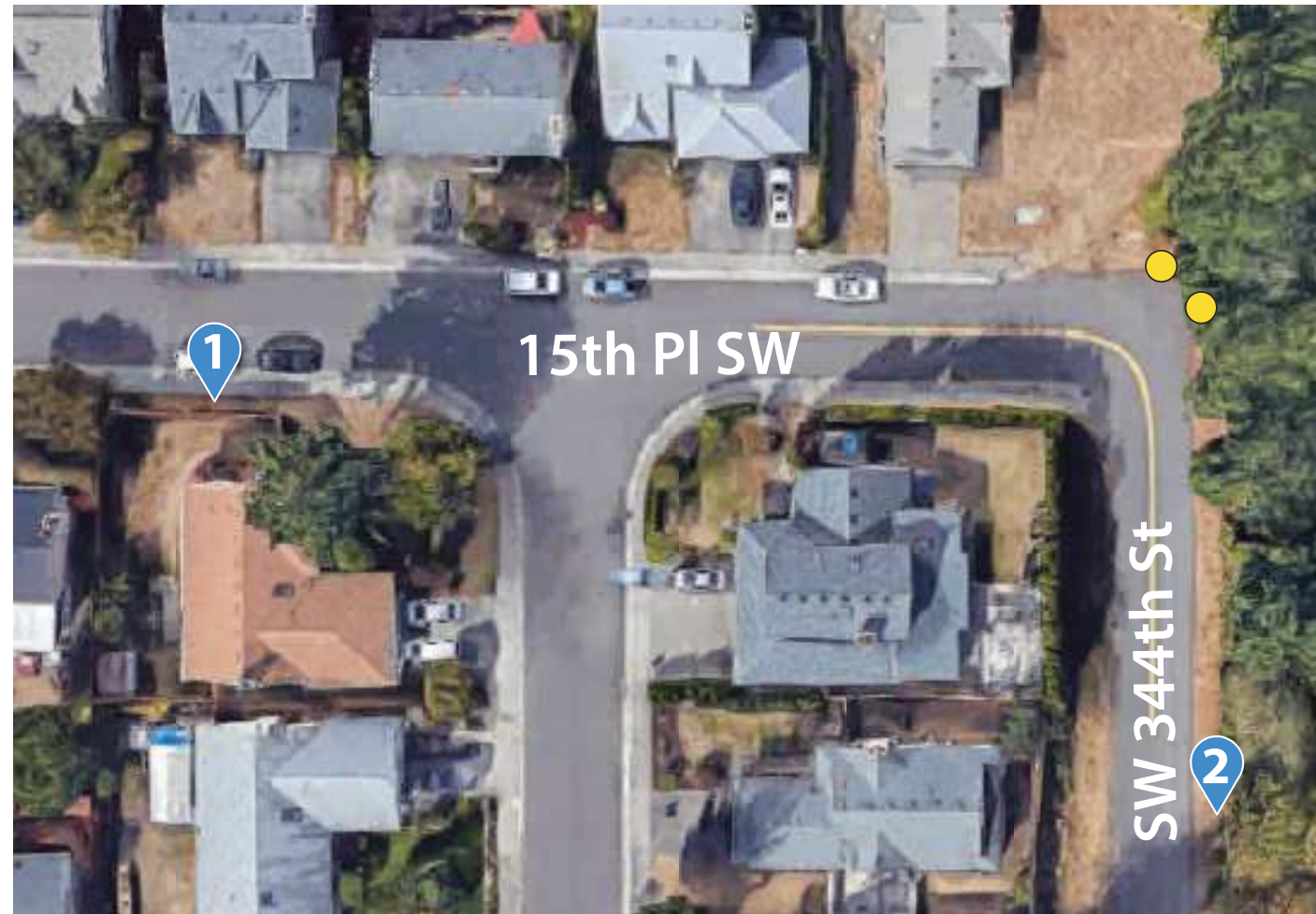
PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG		<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 12B: SW 344TH ST: 18TH AVE SW</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE		REVISION
		REVIEWED: Brian Chandler					SHT. 37
		APPROVED:	09/14/2020				OF 50






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
12C	1	Eastbound	47.29279, -122.3551	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	
	2	Westbound	47.29345, -122.35463	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 12C: SW 344TH ST AT 15TH PLACE SW</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 38	
		APPROVED:	09/14/2020				OF 50	






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
13	1	Westbound	47.28837, -122.29381	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 15mph speed plaque. Maintain existing Turn Left Warning Sign.
	2	Eastbound	47.2884, -122.29238	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 15mph speed plaque. Maintain existing Large Arrow Left.
		Westbound		EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 15mph speed plaque. Maintain existing Large Arrow Right.
	3	Westbound	47.28889, -122.29237	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 15mph speed plaque. Maintain existing Turn Right Warning Sign.
	4	Westbound	47.29011, -122.29238	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existing 15mph speed plaque. Maintain existing Turn Right Warning Sign.

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 13: S 349TH AT WEYERHAEUSER WAY S</p>	<p>CITY PROJECT #: 218</p> <p>SHT. 39 OF 50</p>
		DESIGNED: DKS Associates		NO.	DATE	REVISION		
REVIEWED: Brian Chandler								
APPROVED:								



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
14	1	Westbound	47.29161, -122.2916	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	
	2	Eastbound	47.29265, -122.29006	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-25	Advisory Speed Plaque 25	18	18	
	3	Eastbound	47.29309, -122.28964	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	4	Eastbound	47.29322, -122.28938	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	5	Eastbound	47.29331, -122.28909	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	6	Eastbound	47.29336, -122.28882	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	7	Eastbound	47.2934, -122.28848	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	8	Eastbound	47.29341, -122.28817	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	9	Westbound	47.29344, -122.28775	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30	
						W13-1P-25	Advisory Speed Plaque 25	18	18	

PSST: Perforated Square Steel Tube

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 14: SW 344TH ST: WEYERHAEUSER WAY S – CITY LIMIT</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 40	
		APPROVED:	09/14/2020				OF 50	






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
16	1	Eastbound	47.28251, -122.32129	EX	EX	W1-3L	Reverse Turn Left Warning Sign	36	36	Relocate existing 35 mph speed limit sign to sign post number 11.
						W13-1P-25	Advisory Speed Plaque 25	18	18	
	2	Eastbound	47.28253, -122.32077	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	3	Eastbound	47.28259, -122.32048	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	4	Eastbound	47.28273, -122.3202	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
		Westbound				W1-8R	Chevron Alignment Right	18	24	
	5	Eastbound	47.28366, -122.31938	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound				W1-8L	Chevron Alignment Left	18	24	
	6	Eastbound	47.28378, -122.31908	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
Westbound		W1-8L				Chevron Alignment Left	18	24		
7	Eastbound	47.28386, -122.31851	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24		
	Westbound				W1-8L	Chevron Alignment Left	18	24		
8	Eastbound	47.28384, -122.31819	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24		
	Westbound				W1-8L	Chevron Alignment Left	18	24		
9	Eastbound	47.28365, -122.31758	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24		
	Westbound				W1-8L	Chevron Alignment Left	18	24		
10	Westbound	47.28337, -122.31703	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	36	36		
					W13-1P-25	Advisory Speed Plaque 25	18	18		
11	Eastbound	47.28322, -122.31723	PSST	2.25" x 2.25"	R2-1 (EX)	Speed Limit 35	EX	EX	Reinstall existing 35 mph speed limit sign.	

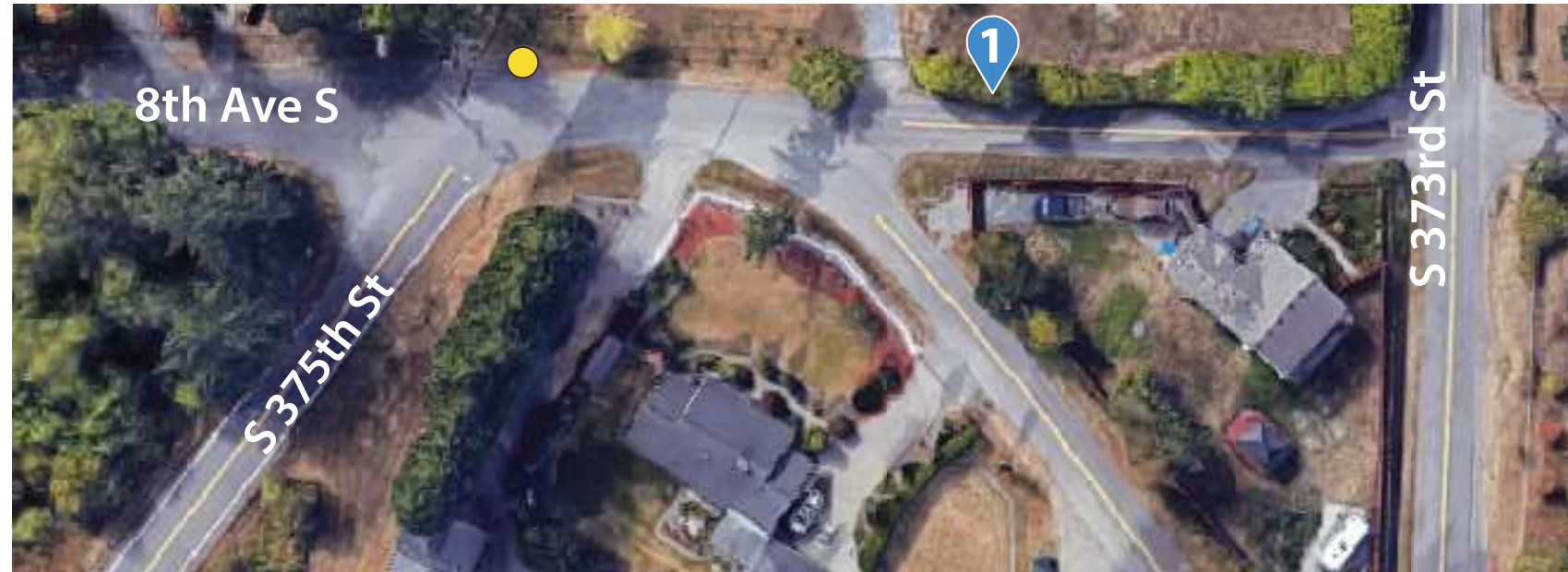
PSST: Perforated Square Steel Tube
EX: Existing

Notes

- Maintain and protect existing signs and posts unless otherwise noted.
- See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 16: S 356TH; SR99-16TH AVE S</p>	<p>CITY PROJECT #: 218</p>
		DESIGNED: DKS Associates		NO.	DATE	REVISION		
		REVIEWED: Brian Chandler						
		APPROVED:	09/14/2020					






Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
								X	Y	
17	1	Eastbound	47.26678, -122.32436	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	

PSST: Perforated Square Steel Tube

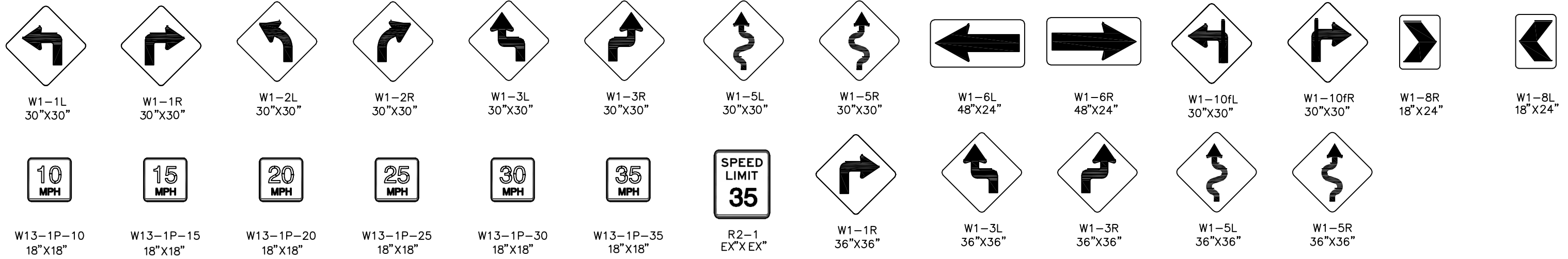
Notes

1. Maintain and protect existing signs and posts unless otherwise noted.
2. See Sheet 44 for Post Height and Sign Installation Details.

FINAL SUBMITTAL

 <p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Horizontal Curve Warning Signs</p> <p>EW CORRIDOR 17: S 375TH ST AT 8TH AVE S</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		218
		REVIEWED: Brian Chandler					SHT. 42	
		APPROVED:	09/14/2020				OF 50	

Signs



MUTCD Tables

Table 2C-4. Guidelines for Advance Placement of Warning Signs

Posted or 85th-Percentile Speed	Advance Placement Distance ¹								
	Condition A: Speed reduction and lane changing in heavy traffic ²	Condition B: Deceleration to the listed advisory speed (mph) for the condition							
		0 ³	10 ⁴	20 ⁴	30 ⁴	40 ⁴	50 ⁴	60 ⁴	70 ⁴
20 mph	225 ft	100 ft ⁵	N/A ⁵	—	—	—	—	—	—
25 mph	325 ft	100 ft ⁵	N/A ⁵	N/A ⁵	—	—	—	—	—
30 mph	460 ft	100 ft ⁵	N/A ⁵	N/A ⁵	—	—	—	—	—
35 mph	565 ft	100 ft ⁵	N/A ⁵	N/A ⁵	N/A ⁵	—	—	—	—
40 mph	670 ft	125 ft	100 ft ⁵	100 ft ⁵	N/A ⁵	—	—	—	—
45 mph	775 ft	175 ft	125 ft	100 ft ⁵	100 ft ⁵	N/A ⁵	—	—	—
50 mph	885 ft	250 ft	200 ft	175 ft	125 ft	100 ft ⁵	—	—	—
55 mph	990 ft	325 ft	275 ft	225 ft	200 ft	125 ft	N/A ⁵	—	—
60 mph	1,100 ft	400 ft	350 ft	325 ft	275 ft	200 ft	100 ft ⁵	—	—
65 mph	1,200 ft	475 ft	450 ft	400 ft	350 ft	275 ft	200 ft	100 ft ⁵	—
70 mph	1,250 ft	550 ft	525 ft	500 ft	450 ft	375 ft	275 ft	150 ft	—
75 mph	1,350 ft	650 ft	625 ft	600 ft	550 ft	475 ft	375 ft	250 ft	100 ft ⁵

¹ The distances are adjusted for a sign legibility distance of 180 feet for Condition A. The distances for Condition B have been adjusted for a sign legibility distance of 250 feet, which is appropriate for an alignment warning symbol sign. For Conditions A and B, warning signs with less than 6-inch legend or more than four words, a minimum of 100 feet should be added to the advance placement distance to provide adequate legibility of the warning sign.

² Typical conditions are locations where the road user must use extra time to adjust speed and change lanes in heavy traffic because of a complex driving situation. Typical signs are Merge and Right Lane Ends. The distances are determined by providing the driver a PRT of 14.0 to 14.5 seconds for vehicle maneuvers (2005 AASHTO Policy, Exhibit 3-3, Decision Sight Distance, Avoidance Maneuver E) minus the legibility distance of 180 feet for the appropriate sign.

³ Typical condition is the warning of a potential stop situation. Typical signs are Stop Ahead, Yield Ahead, Signal Ahead, and Intersection Warning signs. The distances are based on the 2005 AASHTO Policy, Exhibit 3-1, Stopping Sight Distance, providing a PRT of 2.5 seconds, a deceleration rate of 11.2 feet/second², minus the sign legibility distance of 180 feet.

⁴ Typical conditions are locations where the road user must decrease speed to maneuver through the warned condition. Typical signs are Turn, Curve, Reverse Turn, or Reverse Curve. The distance is determined by providing a 2.5 second PRT, a vehicle deceleration rate of 10 feet/second², minus the sign legibility distance of 250 feet.

⁵ No suggested distances are provided for these speeds, as the placement location is dependent on site conditions and other signing. An alignment warning sign may be placed anywhere from the point of curvature up to 100 feet in advance of the curve. However, the alignment warning sign should be installed in advance of the curve and at least 100 feet from any other signs.

⁶ The minimum advance placement distance is listed as 100 feet to provide adequate spacing between signs.

Table 2C-5. Horizontal Alignment Sign Selection

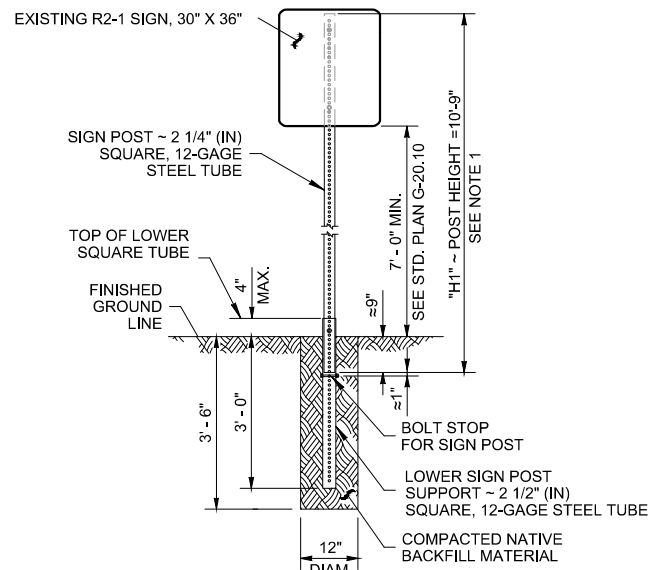
Type of Horizontal Alignment Sign	Difference Between Speed Limit and Advisory Speed				
	5 mph	10 mph	15 mph	20 mph	25 mph or more
Turn (W1-1), Curve (W1-2), Reverse Turn (W1-3), Reverse Curve (W1-4), Winding Road (W1-5), and Combination Horizontal Alignment/Intersection (W10-1) (see Section 2C.07 to determine which sign to use)	Recommended	Required	Required	Required	Required
Advisory Speed Plaque (W13-1P)	Recommended	Required	Required	Required	Required
Chevrons (W1-8) and/or One Direction Large Arrow (W1-6)	Optional	Recommended	Required	Required	Required
Exit Speed (W13-2) and Ramp Speed (W13-3) on exit ramp	Optional	Optional	Recommended	Required	Required

Note: Required means that the sign and/or plaque shall be used, recommended means that the sign and/or plaque should be used, and optional means that the sign and/or plaque may be used.

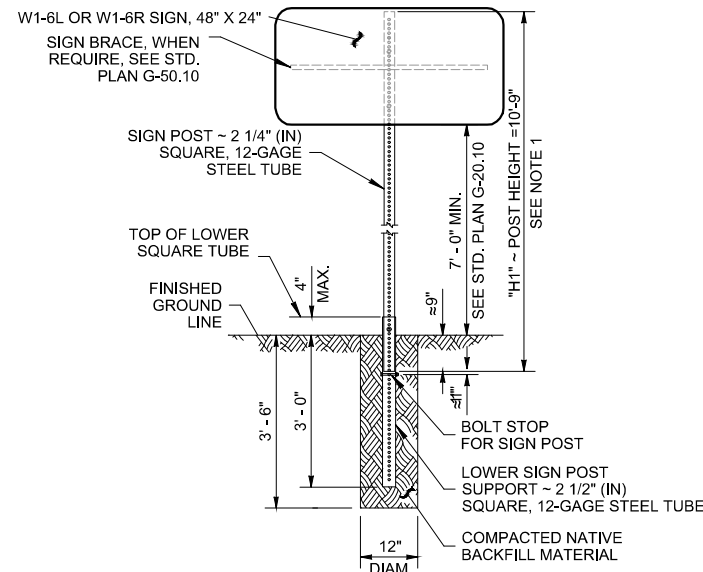
See Section 2C.06 for roadways with less than 1,000 ADT.

FINAL SUBMITTAL

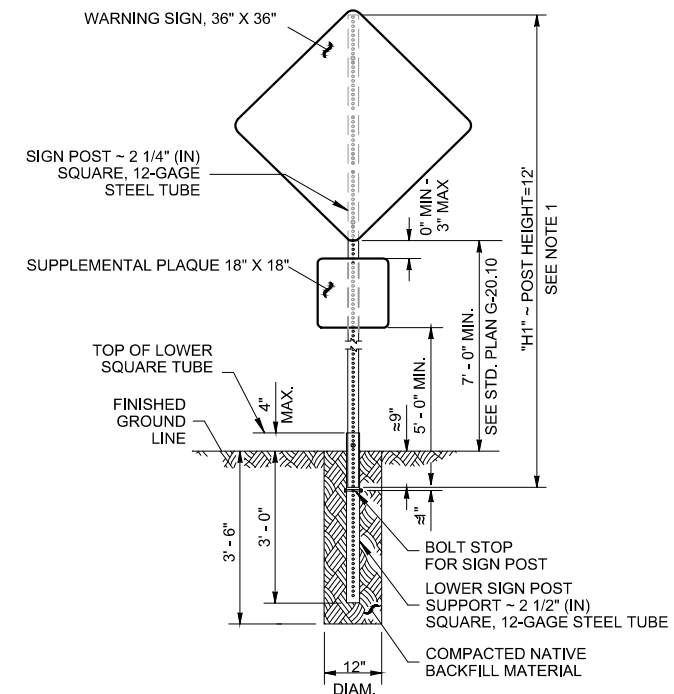
NO.	DATE	REVISION



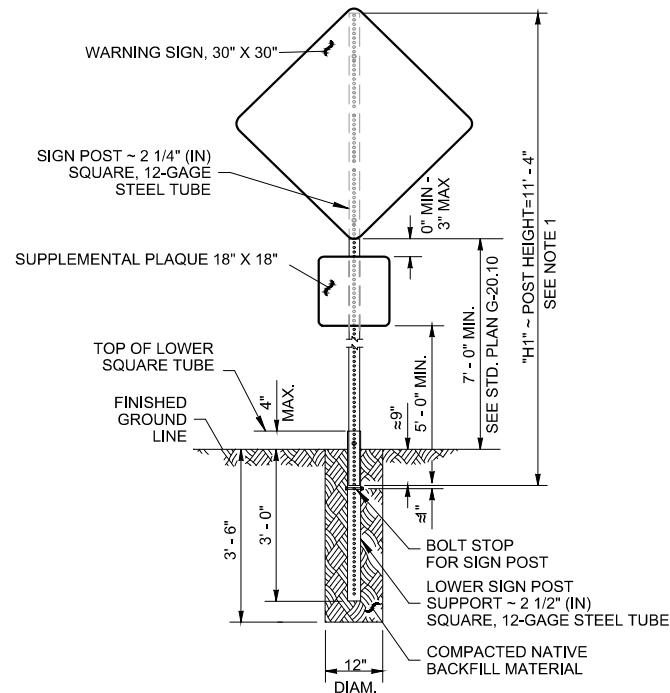
ELEVATION
NOT TO SCALE



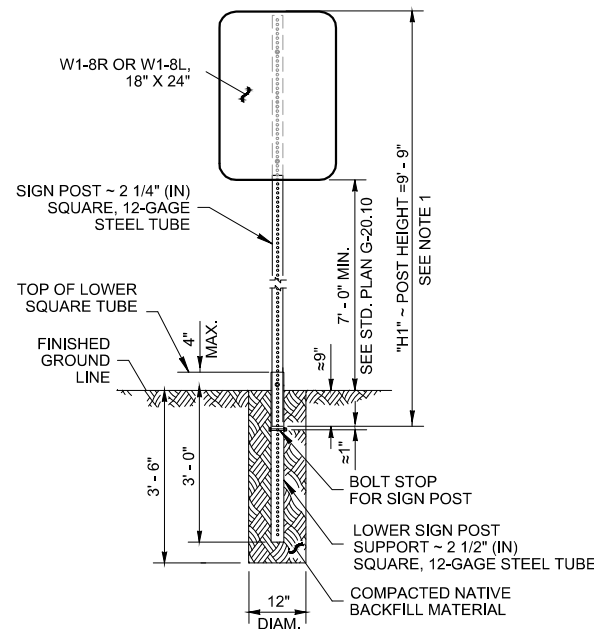
ELEVATION
NOT TO SCALE



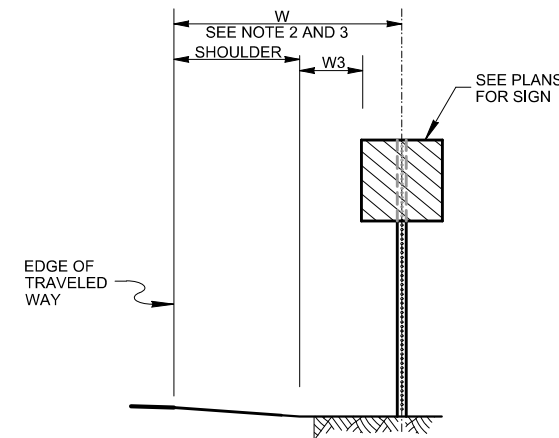
ELEVATION
NOT TO SCALE



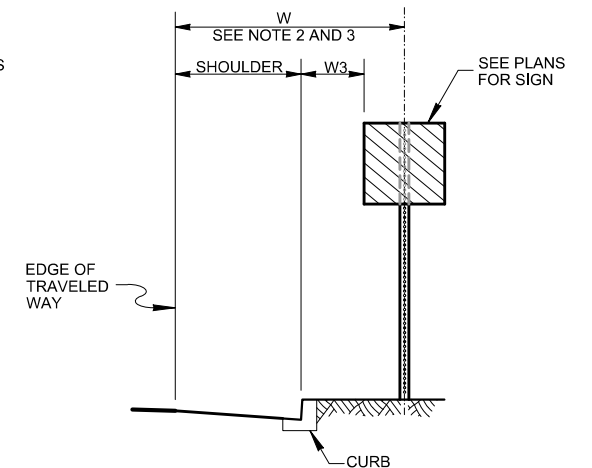
ELEVATION
NOT TO SCALE



ELEVATION
NOT TO SCALE



TYPICAL SIGN INSTALLATION
IN SHOULDER SECTION
NOT TO SCALE



TYPICAL SIGN INSTALLATION
IN CURB SECTION
NOT TO SCALE

NOTE

1. CONTRACTOR SHALL CONFIRM POST HEIGHT (H1) IN FIELD WITH ENGINEER PRIOR TO FABRICATION. H1 SHALL BE JUSTIFIED BASED ON FIELD CONDITION.
2. CONTRACTOR SHALL INCLUDE W VALUE, ON THE PLANS, FOLLOWING FIELD REVIEW AND APPROVAL FROM THE ENGINEER OF FINAL PROPOSED SIGN POSITIONS.
3. CONTRACTOR SHALL FLAG (STAKE) THE SIGN PLACEMENT LOCATION AND REVIEW WITH THE ENGINEER FOR APPROVAL. IF THE SIGN PLACEMENT LOCATION, NOTED AS W AND W3 IN THE DETAILS, DOES NOT MEET 2' MIN FROM THE EDGE OF THE CURB/SHOULDER, THE LOCATION SHALL BE FLAGGED IN THE FIELD FOR APPROVAL AS A DESIGN EXCEPTION OR RELOCATION BY THE CONTRACTOR.

H:\projects\1919182-000 Federal Way Horizontal Curve Signs Design\07 Design\Cadd\07 Detail\1.dwg, 3/4/2020

**CITY OF
Federal Way**
Centered on Opportunity
33325 8TH AVE S FEDERAL WAY, WA 98003
PHONE: (253) 835-2700
WWW.CITYOFFEDERALWAY.COM



DRAFTED: DKS Associates
DESIGNED: DKS Associates
REVIEWED: Brian Chandler
APPROVED:



09/14/2020

DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

City of Federal Way
Horizontal Curve Warning Signs
Post Height and Typical Sign Installation Details

CITY PROJECT #:
218
SHT. 44
OF 50

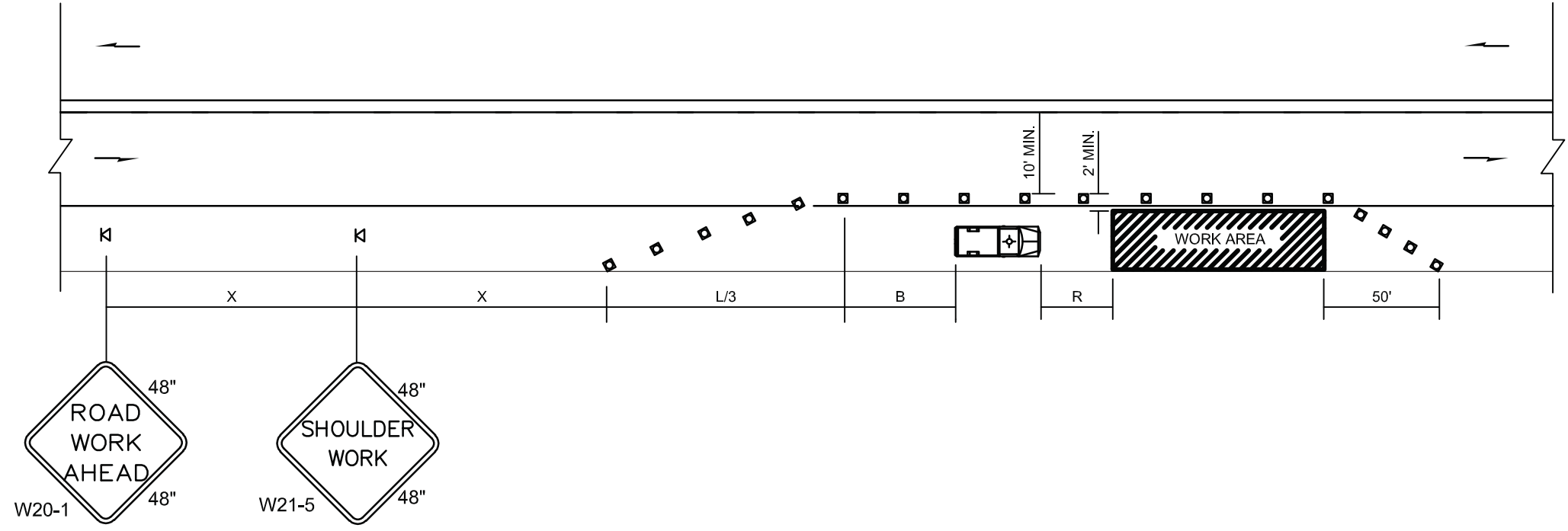
SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)											
SHOULDER WIDTH (feet)	Posted Speed (mph)										
	25	30	35	40	45	50	55	60	65	70	
8'	40	40	60	90	-	-	-	-	-	-	-
10'	40	60	90	90	-	-	-	-	-	-	-

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730	
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R											
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.						HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH		< 45 MPH	45-55 MPH	> 55 MPH		< 45 MPH	45-55 MPH	> 55 MPH	
100'	123'	172'		74'	100'	150'		< 45 MPH	45-55 MPH	> 55 MPH	
PROTECTIVE VEHICLE (WORK VEHICLE) = R											
NO SPECIFIED DISTANCE REQUIRED											



CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40

- LEGEND**
- K TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE

SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)

NOT TO SCALE

- NOTES**
1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
 2. ALL SIGNS ARE BLACK ON ORANGE.
 3. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

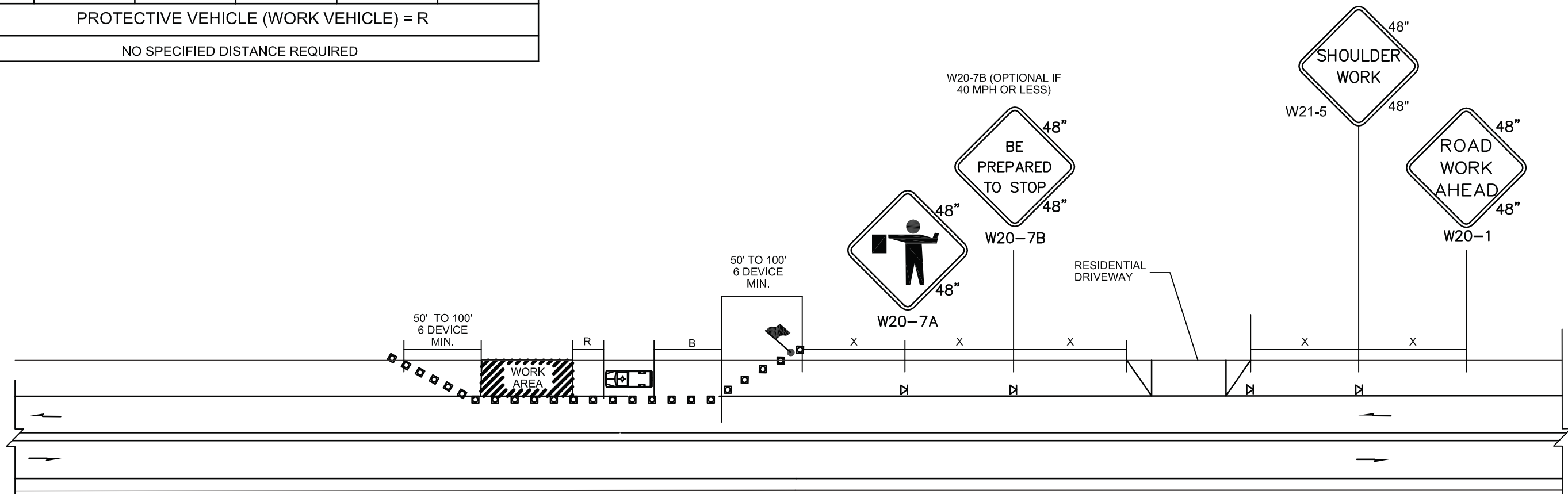
<p>CITY OF Federal Way Centered on Opportunity 33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM</p>		DRAFTED: DKS Associates		DRAWING VERSION / REVISION LOG			<p>City of Federal Way</p> <p>Traffic Control Plan 2</p>	CITY PROJECT #:
		DESIGNED: DKS Associates		NO.	DATE	REVISION		SHT. 46
REVIEWED: Brian Chandler							OF 50	
APPROVED:				09/14/2020				

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH			< 45 MPH	45-55 MPH	> 55 MPH			
100'	123'	172'			74'	100'	150'			
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40



NOTES

1. ALL SIGNS ARE BLACK ON ORANGE.
2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
5. ADDITIONAL FLAGGERS FOR DRIVEWAYS OR FOR CURVES ARE RECOMMENDED.
6. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

**SHOULDER CLOSURE - RESIDENTIAL AREA
WITH FLAGGERS**

- LEGEND**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZING DEVICES
 - PROTECTIVE VEHICLE

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

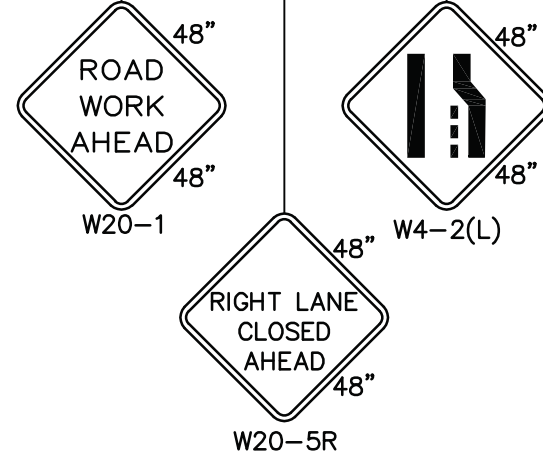
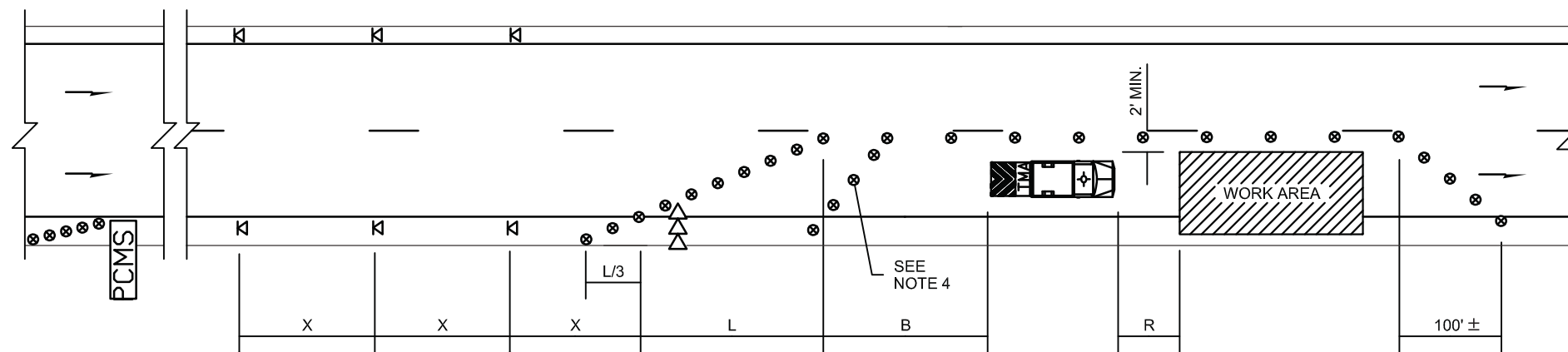
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

NOTES

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCR OACH INTO THE ADJACENT LANE.
4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
6. ALL SIGNS ARE BLACK ON ORANGE.
7. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

LEGEND

- ▷ TEMPORARY SIGN LOCATION
- ⊙ TRAFFIC SAFETY DRUM
- ▷ SEQUENTIAL ARROW SIGN
- ▶ TRANSPORTABLE ATTENUATOR
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION