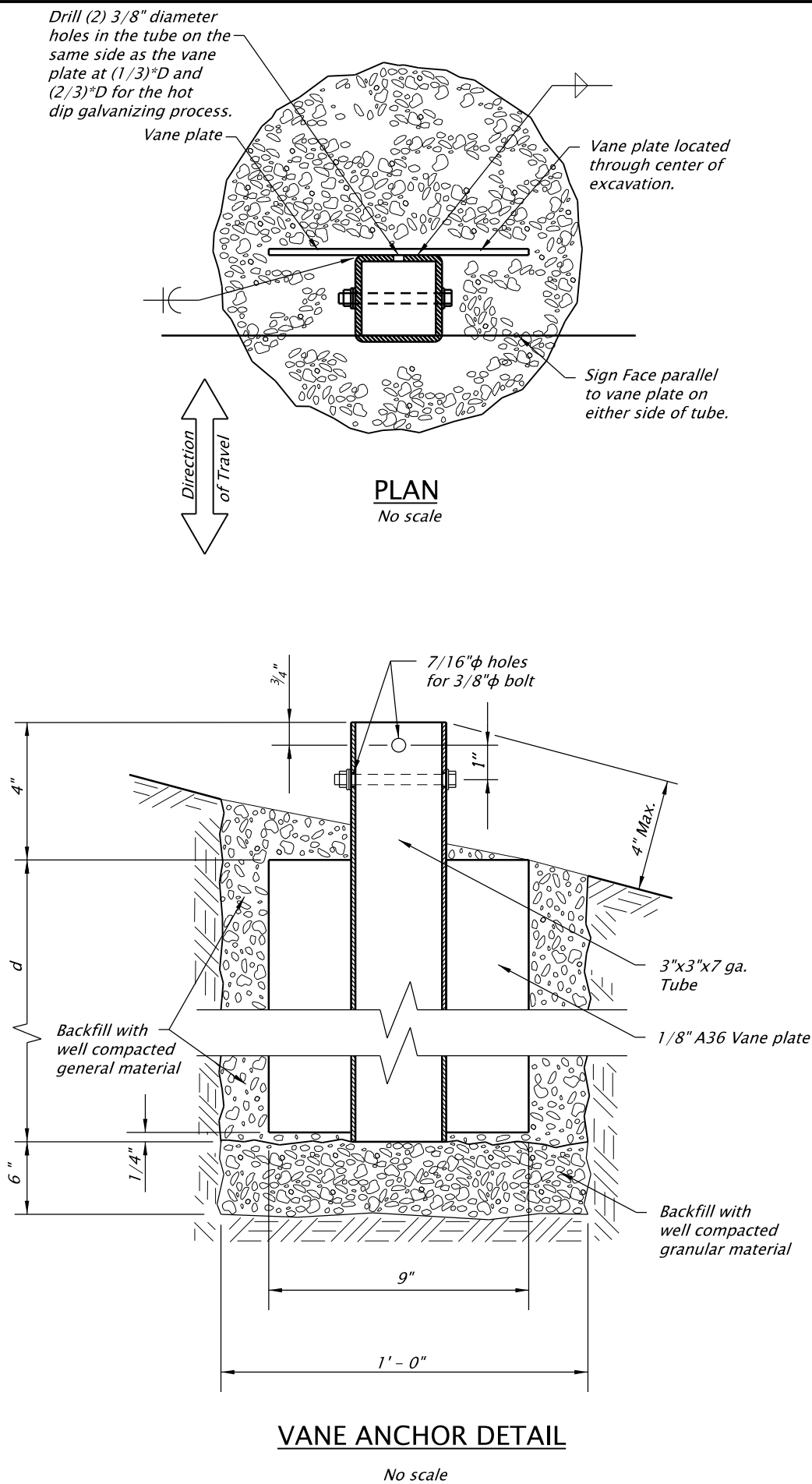




General Notes:

1. Reference TM681, TM687, and TM688 for additional PSST details.
2. Reference TM822 for temporary sign placement.
3. PSST Vane anchor design in accordance with the 5th Edition 2009 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals.
4. Use the 3 second gust wind speeds shown on TM671 for the site specific sign location. General design parameters are $K_z = 0.87$, $C_d(\text{sign}) = 1.20$, $G = 1.14$, and $I_r = 0.45$ for a recurrence interval of 1.5 years.
5. Use this design only for Temporary applications.
6. The PSST Vane anchor shall not remain permanently in place.
7. The temporary PSST vane anchor shall be hot-dip galvanized after fabrication.

Post Embedment Installation:

1. Excavate the hole to 6" deeper than the required depth and backfill the bottom 6" with well compacted granular material meeting the requirements of 00330.14.
2. Align the vane anchor in the hole to a vertical position.
3. The space around the vane anchor shall be backfilled to finished ground surface.
4. Backfill with selected general backfill meeting the requirements of 00330.13.
5. Place backfill in layers not greater than 6 inches.
6. Solidly ram and tamp the layers into the excavation area around the post.
7. Dampen during placement if too dry to compact properly.
8. Replace and finish the surface around the vane anchor to match the surrounding surface.

Square Tube Size	d
2"-12 ga. ☉	2'-6"
2 1/2"-12 ga.	3'-0"
2 1/2"-10 ga.	3'-0"
2 1/4" & 2 1/2"-12 ga.	3'-6"

☉ Requires a 2 1/2" x 2 1/2" x 7 ga. tube installed in the 3" x 3" x 7 ga. anchor.

DEPTH REQUIREMENTS

Accompanied by dwgs. TM200, TM671, TM681, TM687, TM688, TM822

<i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i>	All materials shall be in accordance with the current Oregon Standard Specifications.		
	OREGON STANDARD DRAWINGS		
	2024		
	DATE	REVISION	DESCRIPTION
CALC. BOOK NO. 6634		SDR DATE 06-JAN-2017	TM689

Effective Date: June 1, 2026 – November 30, 2026