

Compliant Detectable Warning Surface (DWS)

Placement Examples

DWS does cover entire opening width.



DWS is contrasting in color to concrete.



DWS is placed in line with grade break.



Non-Compliant Detectable Warning Surface (DWS)
Placement Examples

DWS does not cover entire opening width, only 2" concrete border allowed.



DWS is not contrasting in color to concrete



DWS placement is not perpendicular to grade break



DWS Improper Placement (Before/After)
Case Study Vernon, CT

Before (Non-Compliant) – Top View
DWS placement was greater than 5' to back of curb



After (Compliant) – Top View
Additional DWS installed in front of initial DWS to make distance less than 5' to back of curb



After (Compliant) – Profile View



CTDOT Curb Ramp Reminders

General ADA Info

- CTDOT Standards use Public Right-of-Way Accessibility Guidelines (PROWAG)
- Refer to CTDOT Highway Guide Sheet Concrete Sidewalk Ramp dated 03/2024.
- **Prior to placing/pouring concrete ensure formwork has been checked for compliant slopes - there is no construction tolerance for the maximum requirements.**
- For items that cannot meet compliance, a technical infeasibility form (TIF) will be needed. (Refer to TIF form for details).
- A single Diagonal / Apex ramp serving two crosswalks are only allowed in retrofit situations where technically infeasible for two separate ramps be provided.
- Cross slope should be assumed to be 2% unless otherwise noted on plan.

Construction & Midblock Crossings

If new ramps are installed **without** crosswalk pavement markings the crossings shall remain closed until crosswalk markings are provided.

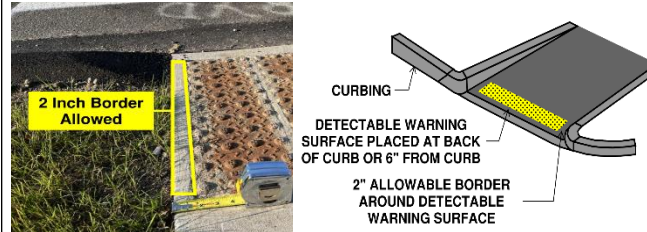


For questions, consult your design team or CTDOT ADA Engineering Coordination Unit:
DOT.ADATransitionPlan@ct.gov

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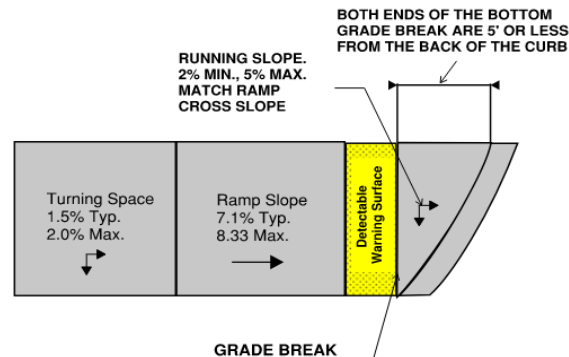
Detectable Warning Surface (DWS)

- Span entire ramp opening.
- At least 24" in direction of travel
- Aligned with the grade break of curb ramp, perpendicular to the direction of travel.
- Contrasting color to curb ramp concrete.
- Maximum 2" concrete border is allowed on either side of warning strip.

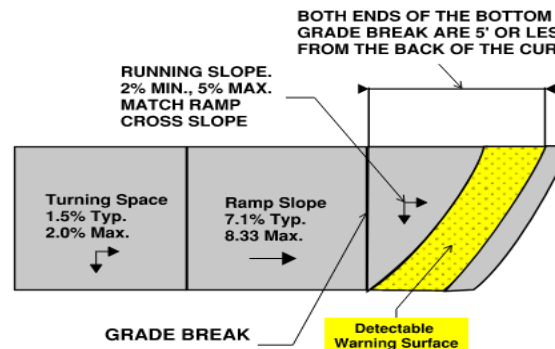


- DWS shall be placed at back of curb or 6" max. from edge of pavement where there is no curb.

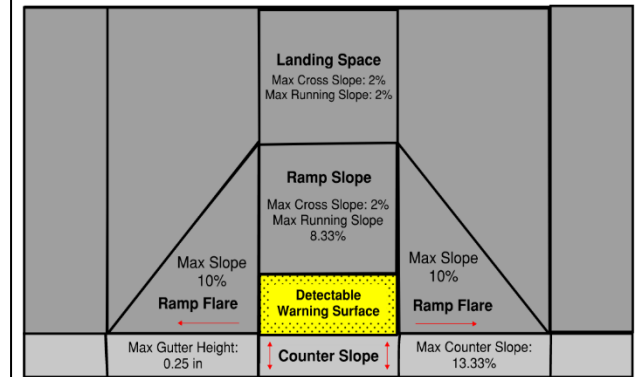
Curb ramps with grade break within 5 ft of curb, place DWS at bottom of ramp.



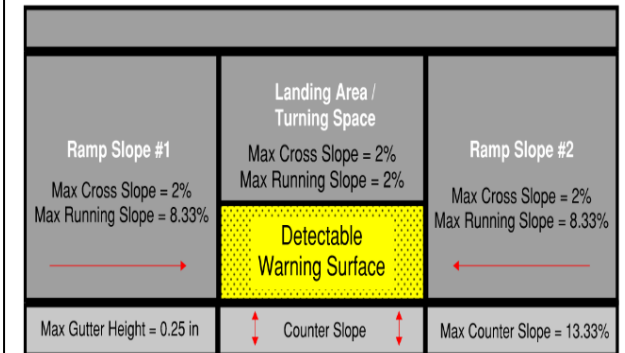
Curb ramps with grade break greater than 5 ft to curb, place DWS at back of curb.



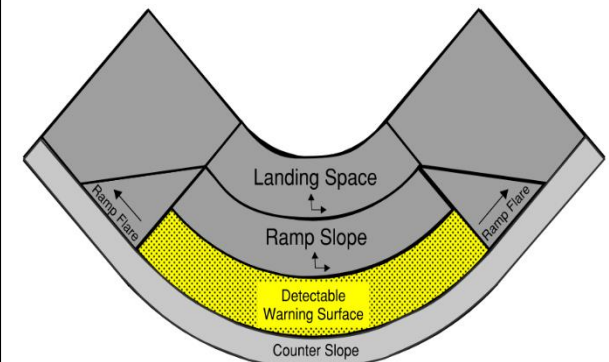
Perpendicular Curb Ramp



Parallel Curb Ramp



Blended Transition Curb Ramp



Landing Space	Max Cross Slope = 2% Max Running Slope = 2%
Ramp Slope	Max Cross Slope = 2% Max Running Slope = 5%
Ramp Flare Slope	Max Slope = 10%