1. SIDEWALK RAMP DETAILS ARE BASED ON US DOT REQUIREMENTS. RAMP MUST BE ADA COMPLIANT.

2. SEE STD. DRG. NO. P-540 FOR CURBS AND P-551 FOR SIDEWALKS.

3. TOOLIJOINTS ARE REQUIRED AT ALL SIDEWALK RAMP SLOPE BREAK LINES.

4. SIDEWALK CURB RAMP SLOPES SHOWN ARE RELATIVE TO THE TRUE LEVEL HORIZON (ZERO BUBBLE).

5. PLACE TRUNCATED DOME DETECTABLE WARNING SURFACE 6" FROM CURB ADJACENT TO TRAFFIC. THE WIDTH OF THE DETECTABLE WARNING SHALL BE THE SAME WIDTH AS THE RAMP THROAT. DETECTABLE WARNINGS SHALL BE FEDERAL YELLOW. SEE ODOT STD. DRG. NO. RD799 FOR DETAILS NOT SHOWN.

6. 10% (RELATIVE TO STREET GRADE) MAXIMUM RAMP WING FARE SLOPE.

7. CHECK THE GUTTER FLOW DEPTH TO ASSURE THAT THE DESIGN FLOOD DOES NOT OVERTOP THE BACK OF SIDEWALK.

8. PLACE INLET AT UPSTREAM SIDE OR PERFORM OTHER APPROVED DESIGN MITIGATION IF BACK OF RAMP LANDING IS LESS THAN 3" ABOVE GUTTER LINE.

9. A CURB RETURN INSTEAD OF RAMP WING MAY ONLY BE USED WHEN THE RAMP IS PROTECTED FROM PEDESTRIAN CROSS-TRAVEL BY HANDRAIL OR SIMILAR ACCEPTABLE BARRIER OR WHEN THE ADJACENT FURNISHING ZONE IS LANDSCAPED.

9. CONSTRUCT ALL RAMPS PERPENDICULAR TO CURB.

10. CURB RAMP AT STREET INTERFACE SHALL BE WITHIN LEGAL CROSSWALK.

11. MIDBLOC RAMPS SHOULD MATCH THE WIDTH OF CORRESPONDING SIDEWALK, UP TO 6 FEET.

12. PROVIDE MINIMUM 1 FOOT CLEAR (FREE FROM Vertical OBSTRUCTIONS, INCLUDING CURBS) ADJACENT TO 4' X 4' LANDING.

13. MAXIMUM 11% GRADE BREAK ALLOWED IN ACCESSIBLE ROUTE. 24" CONCRETE GUTTER SHALL BE USED AT LOCATIONS WHERE DIFFERENCE BETWEEN RAMP RUNNING SLOPE AND STREET CROSS SLOPE IS GREATER THAN 11%. SEE STD. DRG. P-544 FOR DETAILS.

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PROPERTY LINE (TYPICAL)

<table>
<thead>
<tr>
<th>10' TRANSITION PANEL TO EXISTING SIDEWALK</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLOPE 2% MAX. (USE 1.5% FOR DESIGN GRADE MAXIMUM FOR CONSTRUCTION TOLERANCE)</td>
</tr>
<tr>
<td>SLOPE 8.33% MAX. (USE 7.2% FOR DESIGN GRADE MAXIMUM FOR CONSTRUCTION TOLERANCE)</td>
</tr>
<tr>
<td>TRUNCATED DOME DETECTABLE WARNING SURFACE (SEE NOTE #5 AND ODOT STD. DRG. NO. RD799 FOR DETAILS)</td>
</tr>
<tr>
<td>LANDIN GAREA (MINIMUM LEVEL AREA 48&quot; X 48&quot;) FOR THE PURPOSES OF THIS APPLICATION, A 2% MAXIMUM SLOPE IS CONSIDERED LEVEL.</td>
</tr>
</tbody>
</table>

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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.

Note: All material and workmanship shall be in accordance with the City of Portland Standard Construction Specifications.

Effective Date: 08-27-2019

Standard Drawing Title: MIDBLOC SIDEWALK RAMP WITH CONCRETE GUTTER

Standard Drawing No. P-549

City Engineer

City of Portland Bureau of Transportation

Std. Org. Report Date: 08-27-2019