1. The location of the Type 4 sidewalk ramp shall be determined by current A.D.A. requirements, existing obstructions, crosswalk location, and shall be approved by the city engineer before construction begins.

2. The installation of the Type 4 retrofit sidewalk shall achieve as many of the following goals as is possible in order of priority given:
   A. Accommodate ADA access to a crosswalk.
   B. Construct sidewalk ramp(s) and landing(s) to drain water to street or storm drain.
   C. Construct sidewalk ramp(s) at 1/4" per foot slope or flatter where needed.
   D. Construct sidewalk landing with slopes of 1/8" per foot minimum (1%) to 1/4" per foot maximum (2%) in any direction.
   E. Construct landing as large as possible with 60' x 60' being the ideal situation.

3. Construct/Provide horizontal clearance to any obstacle in the sidewalk with a minimum of 48" clearance for 24" of travel with 60" clearance for 60" travel, the ideal solution.

4. All concrete shall be mixes with a 28 day compressive strength of 3,500 P.S.I. with 5%-8% air and 2'-5' slump. Do not add water to the surface for finishing. All exposed surfaces shall receive a light transverse broom finish.

5. Refer to Plate T-050 for standard concrete sidewalk, Plate T-047 for standard concrete curb & gutter, and Plate T-042 for concrete replacement curb.

6. The DOT hatched area represents a detectable warning surface at the required location and orientation. Refer to Plate T-091 for the detectable warning surface specifications, details, and notes.

7. Install 1/2" expansion joints and bond break 3 ply tar paper where needed to prevent binding and cracking of concrete between permanent fixed objects.

8. Pour ramp, landing, curb and retaining wall curb monolithic.