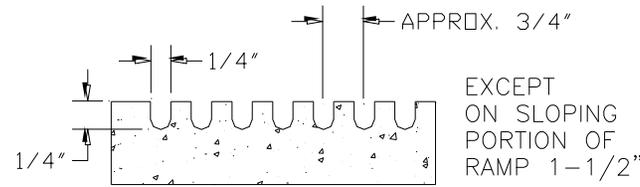
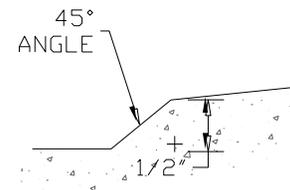


**NOTES:**

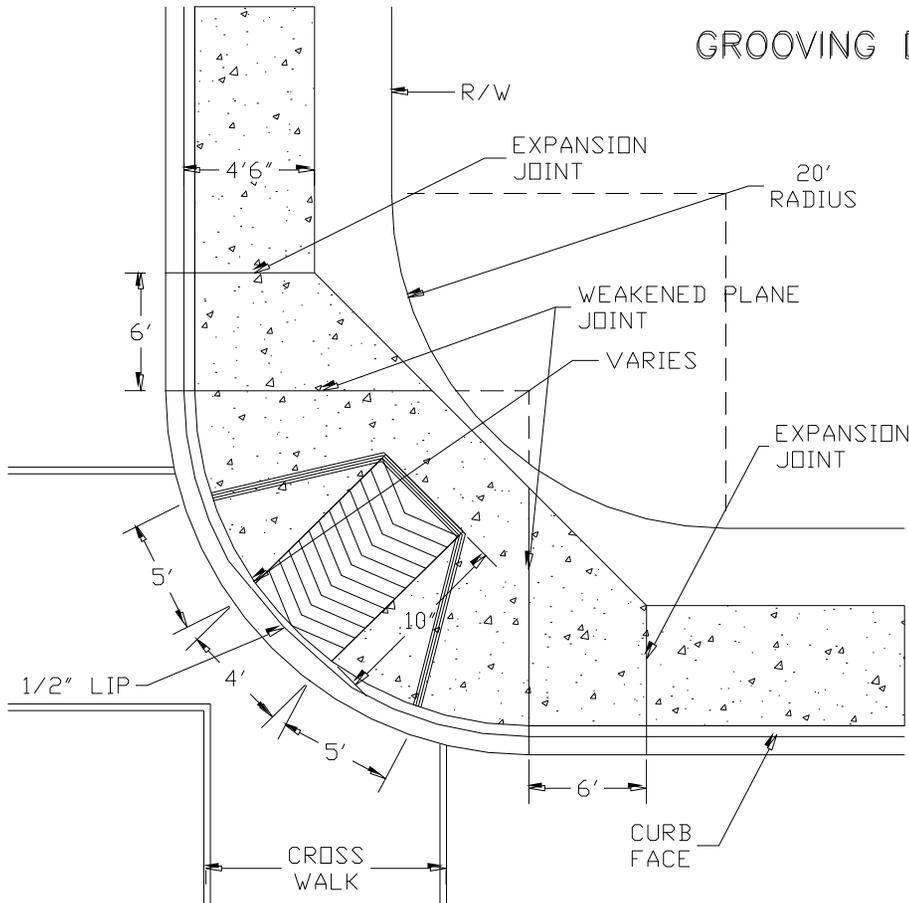
1. RAMP SLOPE SHALL BE 8.33% MAXIMUM.
2. THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 1/4" GROVES APPROXIMATELY 3/4" O.C. SEE GROOVING DETAIL.
3. WHEN RAMP IS LOCATED IN CENTER OF CURB RETURN, IT SHALL BE GROOVED IN A HERRINGBONE PATTERN WITH 1/4" GROOVES APPROXIMATELY 1-1/2" O.C. SEE GROOVING DETAIL. GROOVES SHOULD BE ALIGNED PARALLEL TO CROSSWALK STRIPES TO DIRECT BLIND PEDESTRIANS INTO APPROPRIATE CROSSWALK. WHEN RAMP IS NOT LOCATED IN CENTER OF CURB RETURN, THE SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
4. RAMPS SHALL BE BUILT AND FINISHED SO THAT THERE ARE NO ABRUPT CHANGES IN ELEVATION OR ANGLE OF SLOPE.
5. SIDEWALK RAMPS ARE REQUIRED AT ALL CORNERS WHERE CURBS AND/OR SIDEWALKS ARE TO BE CONSTRUCTED OR RECONSTRUCTED AND SHALL BE AS SHOWN ON THE IMPROVEMENT PLANS.
6. MODIFICATIONS TO LOCATION OR DIMENSIONS OF RAMP SHALL REQUIRE APPROVAL OF CITY ENGINEER AND BE SHOWN ON APPROVED PLANS.
7. THICKNESS OF CONCRETE SHALL BE 4" MINIMUM.
8. X INDICATES POSITION OF SURVEY REFERENCE POINT (#10 ROUND HEAD BRASS SCREW, MINIMUM LENGTH 1-1/4") SET FLUSH WITH TOP OF CURB DURING CONSTRUCTION.
9. USE WHEN BOTH INTERSECTING STREETS ARE COLLECTOR STREETS OR NARROWER. WHEN ONE STREET IS A CUL-DE-SAC INCREASE R/W RADIUS TO 27'.



**GROOVING DETAIL**



**LIP DETAIL**



**PLAN VIEW**

Detail No.  
**SW-2**



City of Needles  
**STANDARD DETAIL**

**HANDICAP RAMP DETAIL**

Revised  
09/01/2007

Detail No.  
**SW-2**