

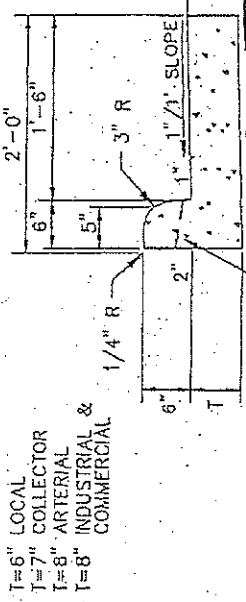
SIDEWALK/CURB REPLACEMENT SPECIFICATIONS

1. Property owner shall obtain a permit from the Village Office prior to replacing concrete.
2. During the replacement process, all area being replaced shall be suitably barricaded to prevent pedestrian and vehicular traffic and to prevent personal injury and damage to newly poured concrete.
3. Form Work:
 - A. Forms shall be of sufficient depth to adequately support concrete.
 - B. Forms shall be set true to line and grade of adjacent sections, and shall be sufficiently supported to have no sagging or twisting.
 - C. Forms shall be coated with non-staining mineral oil just prior to pouring concrete.
 - D. After concrete has cured, all forms shall be removed so as not to damage concrete.
 - E. After forms have been removed, topsoil shall be placed along the edges of walk and the back of curb.
4. Sidewalks:
 - A. Concrete shall be O.D.O.T. Class "C" (4000 PSI, 6 bag).
 - B. Concrete shall be placed in one course and worked into all corners.
 - C. Finish shall be a light broom finish, perpendicular to roadways with a 2" smooth edge around each section.
 - D. Any drain tiles under sidewalk shall be covered with a minimum of 2" of concrete.
 - E. Control joints shall be provided every 5' or match existing walk.
 - F. Expansion joints shall be made of acceptable material and provided every 40' or where walk joins existing concrete or other structure.
5. Curb/Curb & Gutter:
 - A. Concrete shall be O.D.O.T. Class "C" (4000 PSI, 6 bag).
 - B. Concrete shall be placed in one pour and worked into all corners.
 - C. Finish shall be a float finish.

- D. Any drain tile through curb shall be laid so the flow line of the tile is even with the surface of the existing pavement or the flow line of the gutter.
 - E. Sections being replaced shall match the size and shape of existing sections adjacent to it, or, in the case of new curb, shall be to the size and shape as shown on the attached curb detail sheet.
 - F. Contraction joints shall be provided every 10' or match existing curb.
 - G. Expansion joints shall be made of acceptable (normal) material and provided every 40' or where curb joins existing concrete.
6. Inspection:
- A. The Village shall be notified for the following inspections:
 - 1. Form Work – 24 hours prior to placing concrete. All excavating materials must be removed prior to form inspection, all forms must be in place.
 - 2. Clean up – within 48 hours after forms have been removed, topsoil backfilled prior to final inspection.

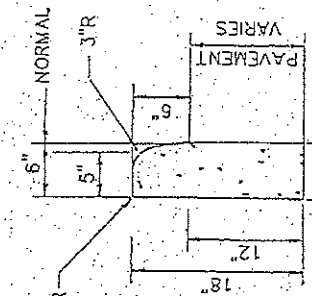
NOTES:

- 1. Handicap ramps shall be constructed as shown on the attached Handicap Ramp Detail Sheet, including truncated domes.
- 2. It shall be the responsibility of the property owner to clean up and remove all existing concrete being replaced.
- 3. All new concrete shall have a clear, waterproof curing compound applied immediately after finish is applied.



TYPE 2 COMBINATION CURB AND GUTTER

DEPRESS FOR DRIVE



NOTES

TYPE 6 BARRIER CURB

TYPE 1 COMBINATION ROLL CURB AND GUTTER

TYPE 6 BARRIER CURB

A. CONCRETE AND WORK SHALL MEET THE REQUIREMENT SET FORTH IN ODOT ITEM 609 CURBING.

B. CURBING SHALL HAVE CONTRACTION JOINTS EVERY 10'.

C. MINIMUM OF 6" OF ODOT 304 SHALL BE PLACED UNDER CURBING.

D. CURBING SHALL BE BACKFILLED IMMEDIATELY AFTER FORMS ARE REMOVED OR AS SOON AS PRACTICAL WHEN SLIP FORMING PRIOR TO OTHER CONSTRUCTION OPERATIONS.

E. PROVIDE BROOM FINISH AND EDGING TO ALL EXPOSED SURFACES.

F. APPLY WHITE PIGMENTED CURING COMPOUND ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES. ANY OTHER METHOD OR TYPE OF CURING COMPOUND MUST BE PREAPPROVED.

G. CONCRETE SHALL BE ODOT CLASS C (4000 PSI, 600LB/CY CEMENT). PROPORTIONING OPTIONS 1 AND 2 NOT ALLOWED.

H. CONCRETE SHALL CONTAIN 6% ± 1% OF TOTAL AIR.

I. TYPE 6 CURBS ARE FOR USE AROUND MEDIUM SECTION.

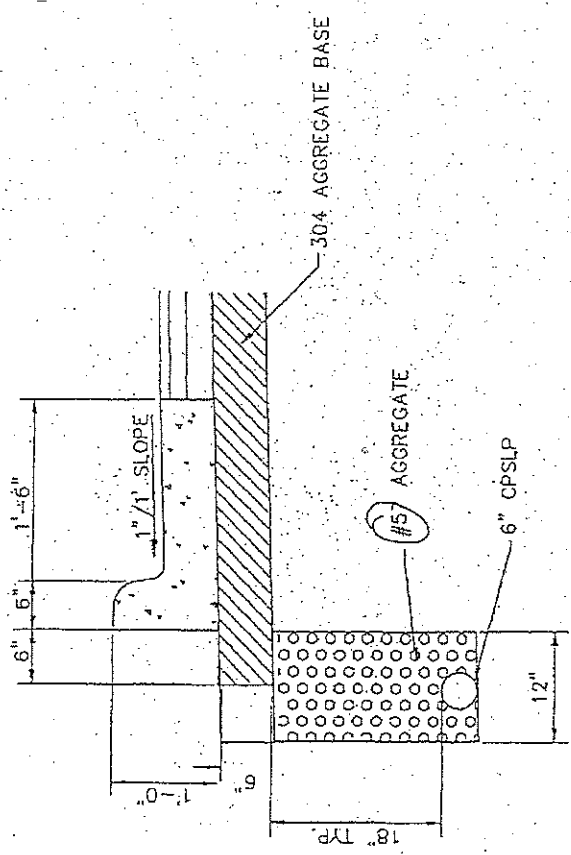
J. MINIMUM FLOW LINE SLOPE OF PERFORATED PIPE IS 0.003 FT/FT TO OUTLET.

K. CURB SHALL BE BLOCKED OUT A MINIMUM OF 5' ON EACH SIDE OF A NEW CATCH BASIN INSTALLATION.

L. UNDERDRAIN MUST BE INSTALLED PRIOR TO CURB INSTALLATION, IF USED.

M. UNDERDRAIN MAYBE USED FOR SUMP PUMP DRAINS WITH A MANUFACTURED TEE, WHEN NO OTHER STORM OUTLET IS AVAILABLE AS DETERMINED BY THE MUNICIPALITY. IN NO CASE SHALL DOWNSPOUTS BE TIED INTO THE UNDERDRAIN.

6" SHALLOW PIPE UNDERDRAIN DETAIL
(ONLY AS REQUIRED BY THE MUNICIPALITY)

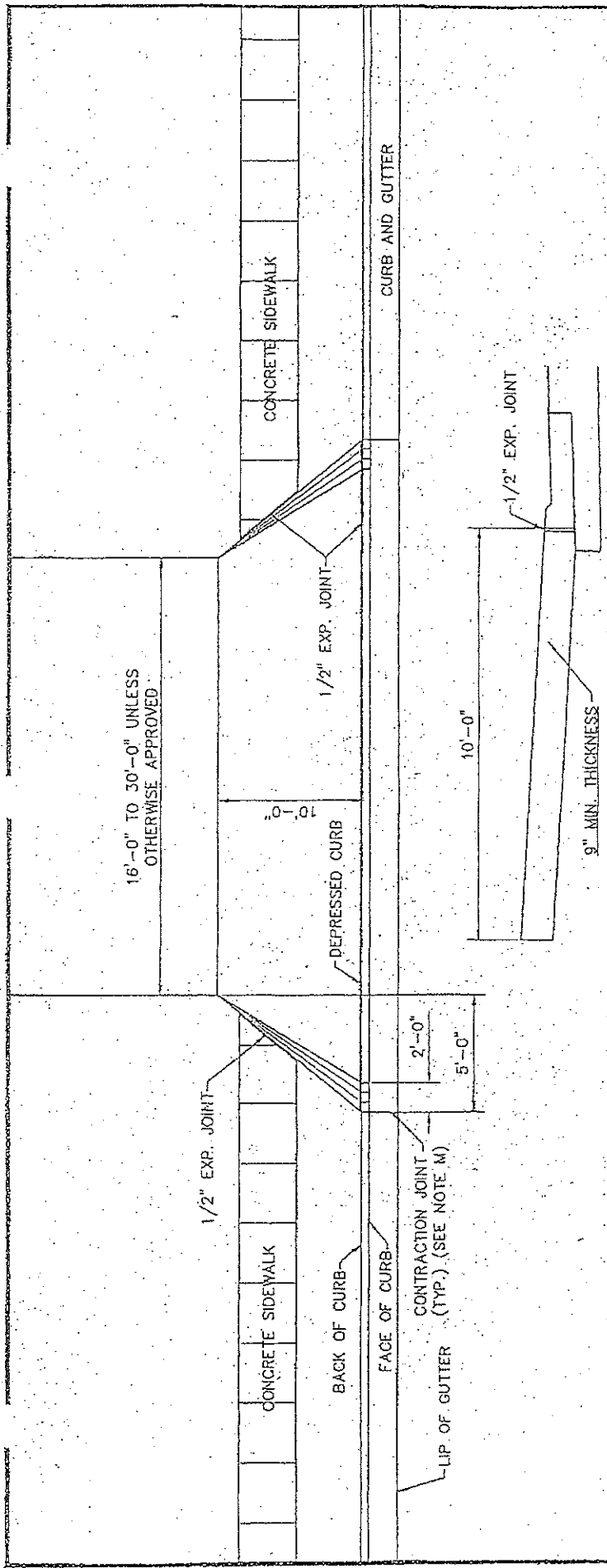


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CONCRETE CURB DETAILS



NOTES

- A. DRIVE APPROACHES SHALL MEET THE REQUIREMENTS OF ODOT ITEM 452 AND 499 CAST IN PLACE CONCRETE.
- B. DRIVE APPROACHES SHALL NOT BE POURED MONOLITHICALLY WITH CURB.
- C. MAXIMUM JOINT SPACING SHALL BE 10' LONGITUDINALLY AND TRANSVERSELY WITH JOINTS AT TAPERS.
- D. EXPANSION MATERIAL SHALL BE 1/2" PREMOLDED.
- E. 3" OF GRAVEL SHALL BE PLACED UNDER DRIVE APPROACHES IF DETERMINED NECESSARY BY THE MUNICIPALITY.
- F. PROVIDE BROOM FINISH AND EDGING TO ALL EXPOSED SURFACES.
- G. WHERE CURB AND GUTTER HAS NOT BEEN PROPERLY DROPPED AT DRIVE APPROACHES, THE CURB SHALL BE ENTIRELY REMOVED AND REPLACED BY THE CONTRACTOR OR OWNER AS DIRECTED BY THE MUNICIPALITY.
- H. JOINTS SHALL BE CLEANED AND EDGED BY A 1/4" RADIUS EDGER. LONGITUDINAL JOINTS SHALL BE AS DIRECTED BY THE MUNICIPALITY. EXPANSION JOINTS SHALL BE OF SUCH DIMENSIONS AS SHOWN ON STANDARD DRAWINGS FOR CONSTRUCTION JOINTS.
- I. MINIMUM WIDTH FOR ONE-WAY TRAFFIC IS 16'-0", MINIMUM WIDTH FOR TWO-WAY TRAFFIC IS 25'-0", MAXIMUM WIDTH IS 30'-0" UNLESS OTHERWISE APPROVED BY THE MUNICIPALITY.
- J. THIS STANDARD DRAWING IS FOR GUIDELINE PURPOSES. EACH INDIVIDUAL DRIVE WILL NEED TO BE DESIGNED AND SUBMITTED TO THE MUNICIPALITY FOR REVIEW AND APPROVAL.
- K. CONCRETE SHALL BE ODOT CLASS C, (4000 PSI, 600 LB/CY CEMENT, PROPORTIONING OPTIONS 1 AND 2 NOT ALLOWED).
- L. CONCRETE SHALL CONTAIN 6% ± 1% OF THE TOTAL AIR.
- M. IF CURB IS REMOVED AND REPLACED DURING DRIVEWAY CONSTRUCTION, JOINTS BETWEEN EXISTING AND NEW CURB ARE TO BE 1/2" EXPANSION JOINTS.

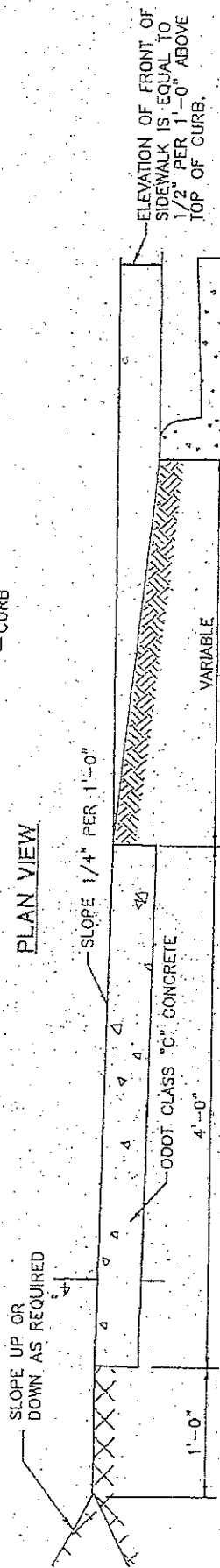
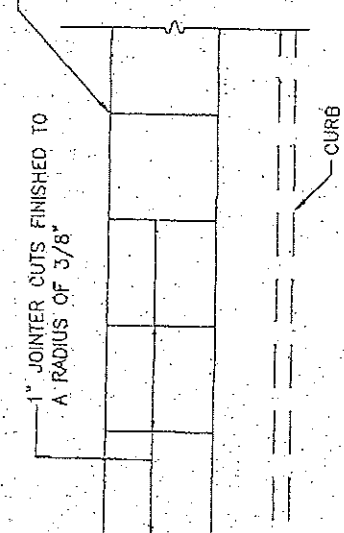
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**COMMERCIAL AND INDUSTRIAL
DRIVE APPROACH**

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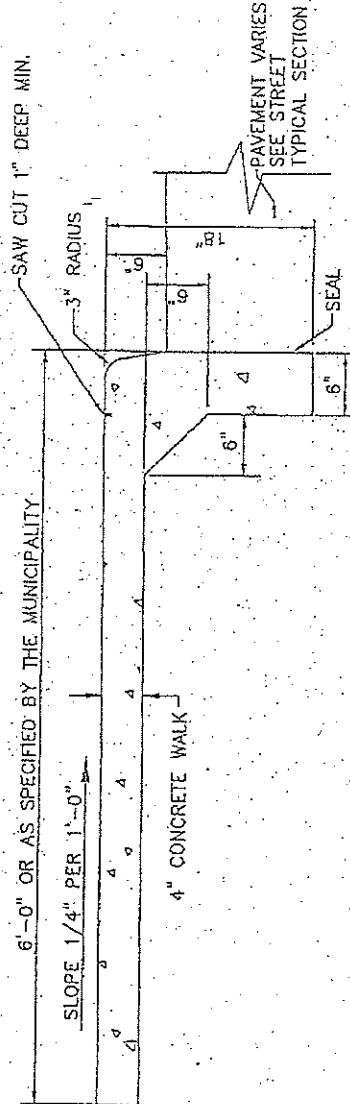
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EXPANSION JOINT
REQUIRED AT THE END OF EACH
POUR, AT EACH SIDE OF A TREE,
DRIVEWAY, PROPERTY LINE, OR
ANY FIXED STRUCTURE. MAXIMUM
SPACING BETWEEN EXPANSION
JOINTS SHALL NOT EXCEED 100 FEET.



NOTES

- A. WALK TO BE POURED ON UNDISTURBED EARTH OR COMPACTED GRANULAR BEDDING.
- B. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES.
- C. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE. CONCRETE WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- D. PROVIDE EDGING AROUND ALL EXPOSED SURFACES.
- E. USE WHITE PIGMENTED CURING COMPOUND IMMEDIATELY AFTER FINISHING SURFACES. ANY OTHER METHOD OR TYPE OF CURING COMPOUND MUST BE PRE-APPROVED.
- F. WHEN RENOVATING EXISTING STREETS, THE SIDEWALKS SHALL BE REPLACED TO CONFORM WITH THE MUNICIPALITY CONSTRUCTION STANDARDS AND DRAWINGS.
- G. CONCRETE SHALL BE ODOT CLASS C (4000 PSI, 600LB/CY CEMENT) PROPORTIONING OPTIONS 1 AND 2 NOT ALLOWED.
- H. CONCRETE SHALL CONTAIN 6% ± 1% OF TOTAL AIR.



COMBINED CURB AND SIDEWALK DETAIL

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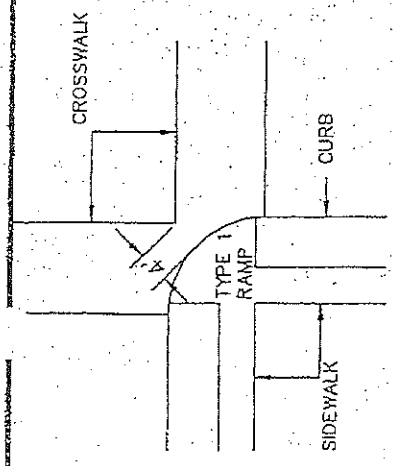
CONCRETE SIDEWALK DETAIL

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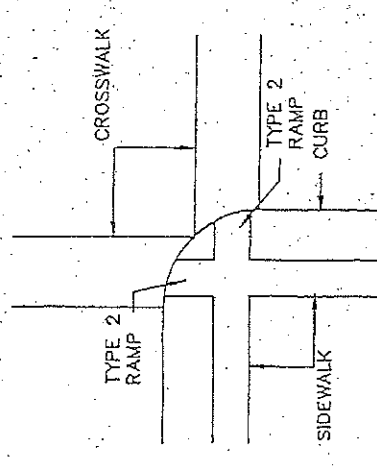
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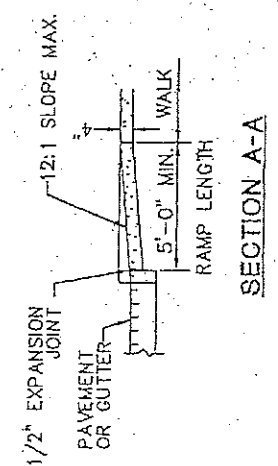
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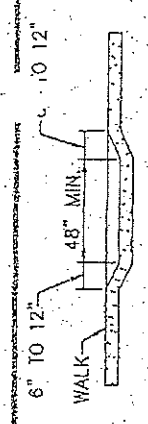
RAMP CONFIGURATION A



RAMP CONFIGURATION B



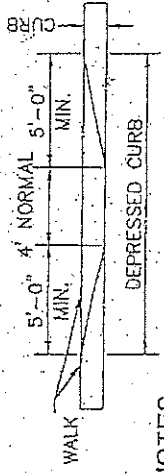
SECTION A-A



SECTION D-D



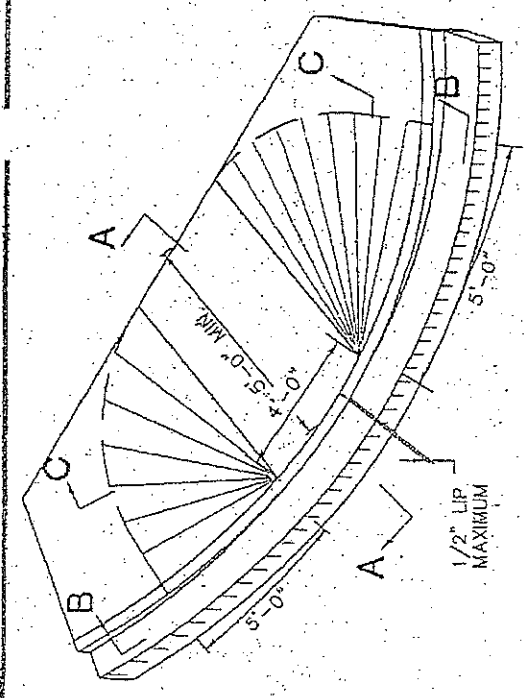
SECTION C-C



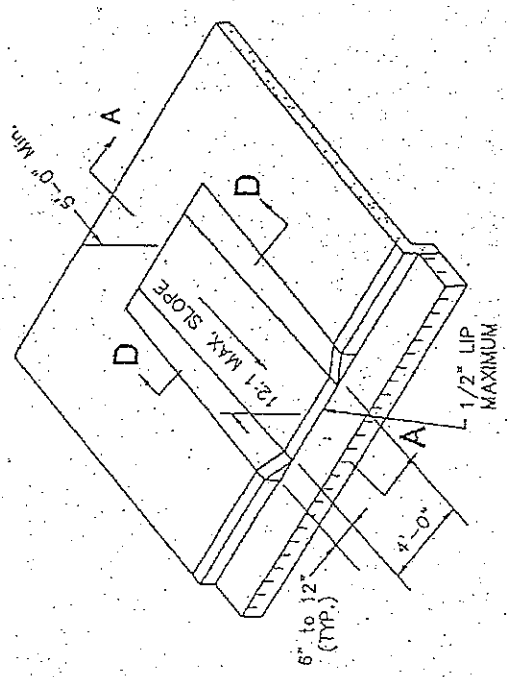
VIEW B-B

NOTES

- A. MUNICIPALITY TO SPECIFY TYPE 1 OR TYPE 2 CURB RAMP.
- B. ANY COMBINATION OF SIDE SLOPES ON OPPOSITE SIDES OF A RAMP MAY BE USED TO BEST FIT THE SITE CONDITIONS.
- C. THE MINIMUM RAMP LENGTH IS 5' FROM BACK OF A 6" CURB AND MAY BE INCREASED WHERE FEASIBLE TO OBTAIN A FLATTER RAMP SLOPE OR TO BETTER BLEND WITH THE WALK CONFIGURATION.
- D. WALK THICKNESS IN THE RAMP SLOPES SHALL BE 4" MINIMUM OR THICKER AS NECESSARY TO MATCH ADJACENT WALK THICKNESS.
- E. CURB RAMPS SHALL MEET AND BE FINISHED TO A.D.A. STANDARDS.
- F. CURB RAMPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 608 UNLESS OTHERWISE SPECIFIED WITHIN.
- G. CONCRETE SHALL BE ODOT CLASS C (4000 PSI, 600 LB/CY CEMENT), PROPORTIONING OPTIONS 1 AND 2 NOT ALLOWED.
- H. CONCRETE SHALL CONTAIN 6% ± 1% OF TOTAL AIR.



TYPE 1 RAMP DETAIL



TYPE 2 RAMP DETAIL

MUNICIPALITY OF
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CURB RAMPS

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