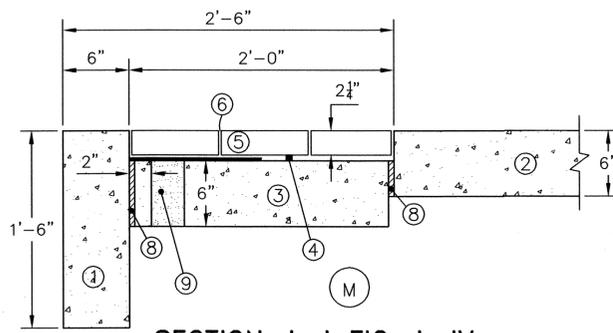


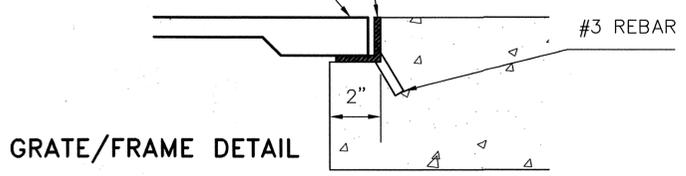
SECTION C-C FIG. I, III  
SECTION D-D FIG. II

SEE SECTION BELOW FOR TYPICAL WALK OR BRICK CONSTRUCTION



SECTION J-J FIG. I, IV

TREE GRATE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS\*  
CAST IRON OR STEEL FRAME TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS



GRATE/FRAME DETAIL

**DESIGNER NOTES:**  
4'x6' GRATE IS PREFERRED,  
5'x5' GRATE ONLY USED WHEN NECESSARY  
PREFER 4' OR GREATER CLEAR BEHIND GRATE  
MINIMUM 3' CLEAR BEHIND GRATE  
INCLUDED IN THE COST OF CURB, BRICK, OR WALK

- ① CONCRETE CURB, 6"x18" (OR COMBINATION CURB AND GUTTER)
- ② CONCRETE WALK, 6", CLASS "C"
- ③ CONCRETE BASE, 6", CLASS "C"
- ④ CONCRETE SAND PER ASTM C-33, 1" THICK
- ⑤ BRICK (8"x4"x2 1/4" NOMINAL) PER ASTM C-902 TYPE 1, ENGLISH EDGE-FR AS MANUFACTURED BY PINE HALL OR CLASS SX AS MANUFACTURED BY THE BELDEN BRICK CO. COLOR FOR BELDEN BRICK SHALL BE REGIMENTAL MEDIUM RANGE, PV-23.
- ⑥ CONCRETE SAND PER ASTM C-33
- ⑦ SAWCUT OR FORMED JOINTS
- ⑧ 1/2" PRE-MOLDED EXPANSION MATERIAL
- ⑨ 3" CORE HOLE THROUGH BASE WITH MAX. 5' SPACING (AND AT SUMP LOCATIONS) FILLED WITH WASHED DURABLE NATURAL AGGREGATES, NO.8 OR NO.9. A 12"x12" NONWOVEN ENGINEERING FABRIC IN ACCORDANCE WITH 712.09 TYPE B SHALL BE PLACED OVER EACH CORE HOLE. MIN. OF 1 HOLE PER BRICK AREA. A 3" PVC PIPE MAY BE INSTALLED DURING THE CONCRETE PLACEMENT IN LIEU OF CORING.

INCLUDED IN THE COST OF TREE GRATES

- (A) CAST IRON OR STEEL FRAME
- (B) TREE GRATE: NEENAH R-8811 (4'x6'), EAST JORDAN IRON WORKS 8691 (4'x6'), V-8955 (5'x5'), OR APPROVED EQUAL
- (C) 4"x12" CONCRETE CURB

INCLUDED IN THE COST OF TREE PLANTING

- (L) EXCAVATION FOR TREES
- (M) APPROVED BACKFILL

\*CASTINGS AND FRAMES PAINTED BY THE CONTRACTOR SHALL RECEIVE A BLACK POWDER PAINT, DIAMOND VOGEL PLX2613-02, MID GLOSS BLACK L/C, TGIC POLYESTER FINISH COAT TO ALL SURFACES (4 MILS AVERAGE), OR APPROVED EQUAL. ALL CASTINGS AND FRAMES WHICH ARE SHOP PAINTED AT THE FOUNDARY SHALL BE DIPPED IN A TANK LARGE ENOUGH TO COMPLETELY SUBMERGE THE CASTING. THE COATING SHALL BE A WATER BASE EMULSION AND BOTH THE CASTING/FRAME AND THE COATING SHALL BE AT LEAST 60° F. THE COATING THICKNESS SHALL BE A MINIMUM OF 3 MILS AND SHALL DRY TO A HARD, BLACK GLOSS FINISH. THE COATING MATERIAL SHALL BE IN COMPLIANCE WITH ANSI C104, C110, C151, AND C153.

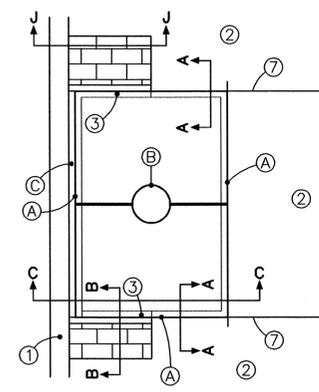


FIG. I

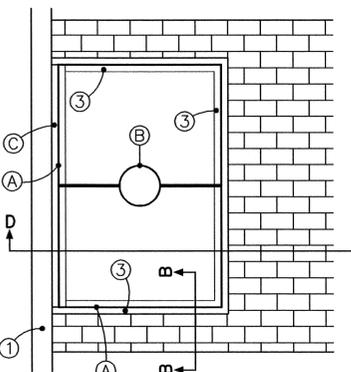


FIG. II

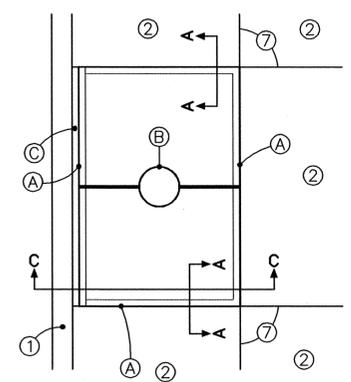


FIG. III

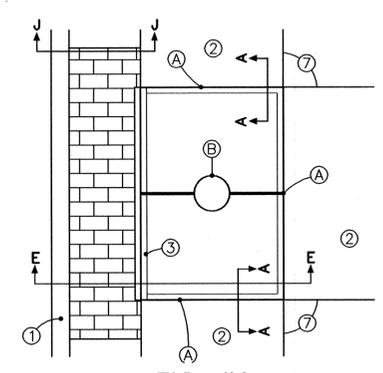


FIG. IV

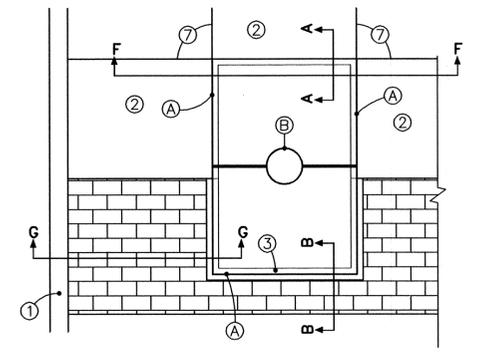


FIG. V

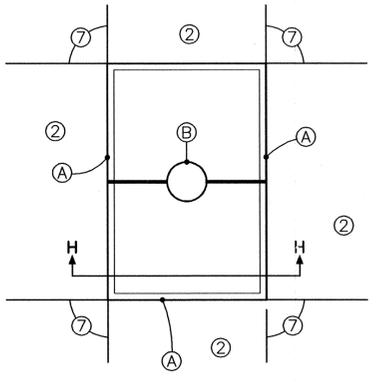
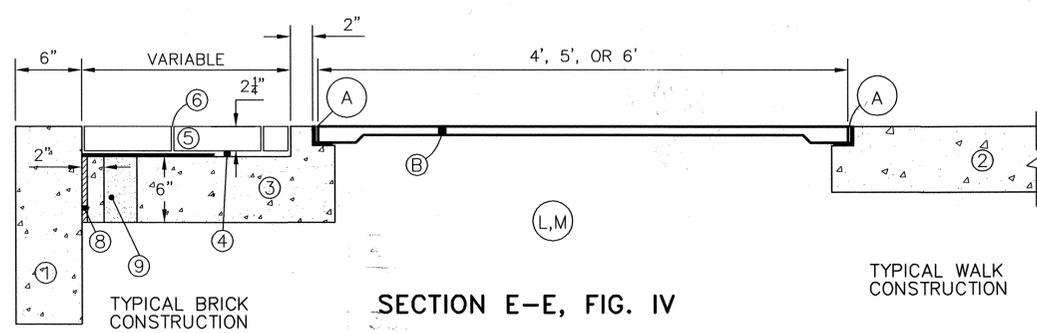


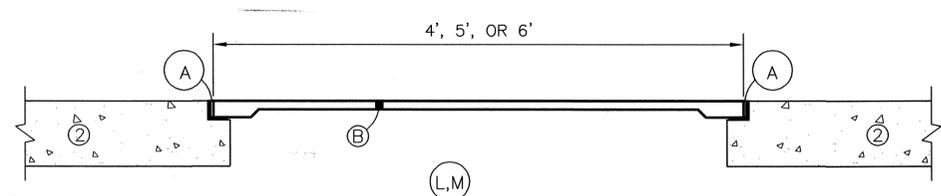
FIG. VI



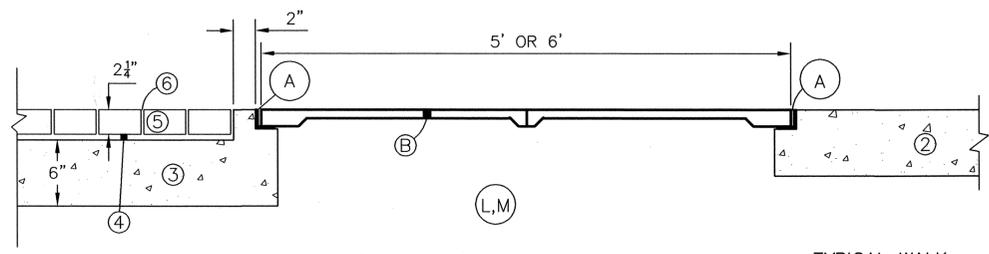
SECTION E-E, FIG. IV

TYPICAL WALK CONSTRUCTION

SECTION G-G, FIG. V



SECTION H-H, FIG. VI  
SECTION F-F, FIG. V



SECTION B-B  
TYPICAL BRICK CONSTRUCTION

SECTION A-A  
TYPICAL WALK CONSTRUCTION

DO NOT SCALE - USE DIMENSIONS ONLY

CITY OF AKRON BUREAU OF ENGINEERING	CONSTRUCTION STANDARD DWG. No. <b>LA-1</b>
<i>R.C. Uhl</i> 5-13-08 ACTING MANAGER, DESIGN DIVISION	TREE GRATES BRICK WALKS
<i>James B. White</i> 5-11-08 MANAGER, CONSTRUCTION DIVISION	AUTOCAD DRAWING - STD_LA-1.DWG JANUARY 17, 2002
<i>D. J. Cull</i> 5-23-08 CITY ENGINEER	REVISIONS: MARCH 27, 2007 APRIL 4, 2008