

CONCRETE WALKWAY PAVEMENT (SEE CITY STD. DWG. 29)

CONCRETE CONTRACTOR TO INSTALL 4' x 6' TREE GRATE AND FRAME, NEENAH R 8811 OR EJIW 8691, WITH CITY LOGO (SEE DETAIL ON SHEET 2). CITY PROVIDES GRATE AND FRAME ON PERMITTED PRIVATE PROJECTS ONLY.

1 INCH AASHTO M NO. 57 WASHED GRAVEL ON WEED CONTROL FABRIC

TREE CONTRACTOR IS TO INSURE THAT TREE BALL IS PROPERLY SITUATED IN BOX SEE NOTE BELOW

CONCRETE COLLAR SUPPORTING FRAME/GRATE BY CONC. CONTRACTOR SEE FRAME SPECS.

BRICK WALKWAY PAVEMENT (SEE CITY STD. DW'G 40)  
NO EXPANSION AGAINST BRICK

#3 REBARS INSTALLED THROUGH FRAME LUGS FOR NEENAH R-8811 FRAME

4" COMPACTED THICKNESS AGGREGATE ODOT #304(M)

TREE CONTRACTOR TO PROVIDE AND PLACE PLANTING SOIL MIX/TREE PIT TOPSOIL PER INDUSTRY STANDARDS FOR TREES AND SHRUBS.

NOTES:

- CONCRETE COLLAR TO BE FORMED USING 2 X 6 (FRAME SUPPORTED METHOD) OR 2 X 8 (INSIDE FORM METHOD)
- ASSURE THAT CONCRETE COMPLETELY FILLS FORMS W/ NO VOIDS. AFTER FORM REMOVAL GROUT ALL HONEYCOMB VOIDS.
- TREE BOX TO BE CLEARED TO LIMIT SHOWN BY CONCRETE CONTRACTOR. CONTRACTOR TO SET GRATE AND INSURE PROPER FIT WITH NO ROCKING OR BINDING. COVER OPENING TO PREVENT PEDESTRIAN TRIP HAZARD.
- BIO BARRIER II WEED CONTROL IS TO BE PLACED UNDER AASHTO M NO. 57 GRAVEL PER MFR. SPECS. BY TREE CONTRACTOR ONLY IF SPECIFIED IN BID TAB OR RFP.
- GATOR BAGS TO BE PROVIDED AND FILLED BY TREE CONTRACTOR. TREE TO BE GUARANTEED FOR TWO GROWING SEASONS.
- BURLAP WRAP AND WIRE RETAINER IS TO BE REMOVED TO A MIN. DEPTH OF 1/2 OF THE BALL DEPTH. REMOVE FROM BOX. REMOVE ALL CORDING FROM AROUND TREE TRUNK AND BALL. ROOT FLARE IS TO BE EXPOSED FOR INSPECTION TO ENSURE NO GIRDLING AND PROPER PLANTING DEPTH.
- CONCRETE CONTRACTOR IS TO PROVIDE A UNIT LUMP SUM PRICE FOR THE FORMING AND PLACING OF THE CONCRETE COLLAR COMPLETE WITH THE SETTING OF THE FRAME AND GRATE AND EXCAV. AND CLEARING OF THE TREE PIT.
- TREE CONTRACTOR TO PROVIDE AND PLANT TREES INCLUDING ALL MATERIALS SPECIFIED IN PROPOSAL.

304 (M) - NO FOUNDRY SAND, ACBFS, GS OR OTHER SLAG PERMITTED

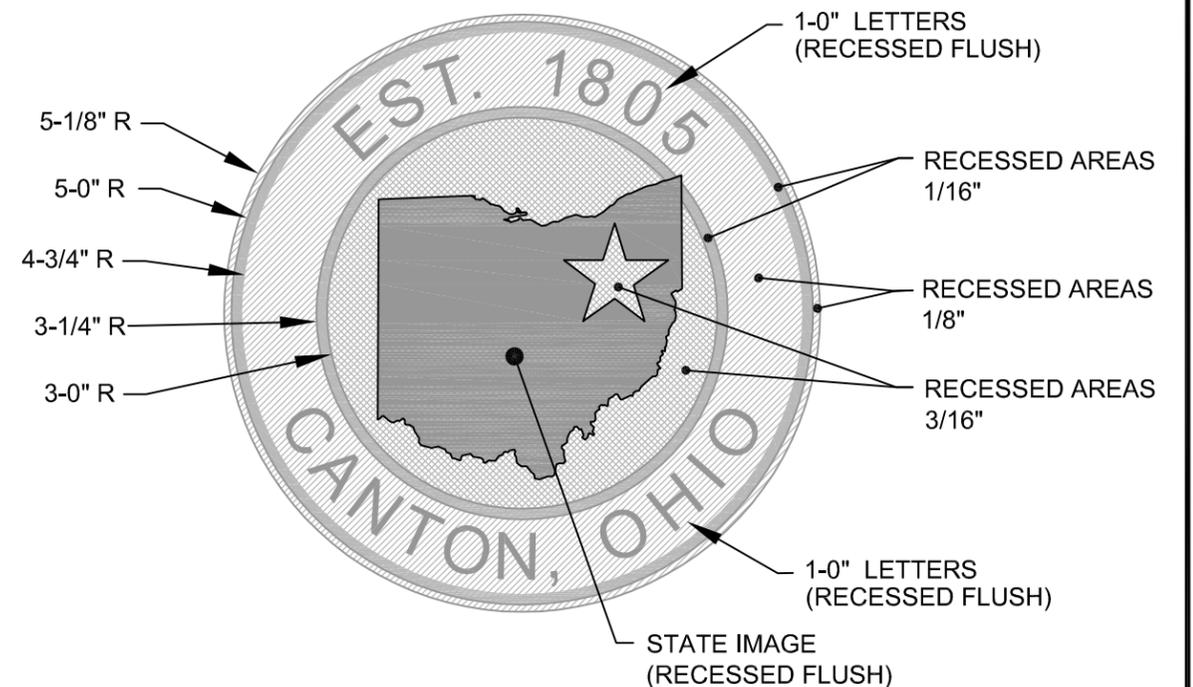
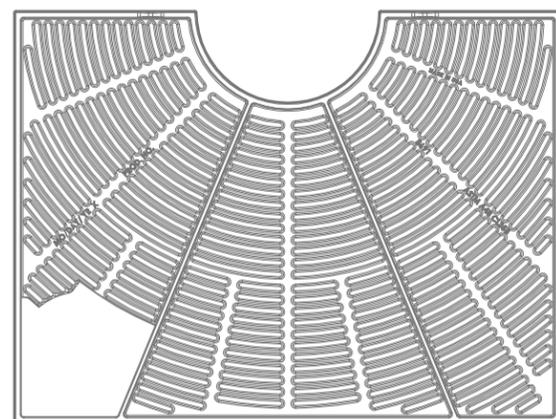
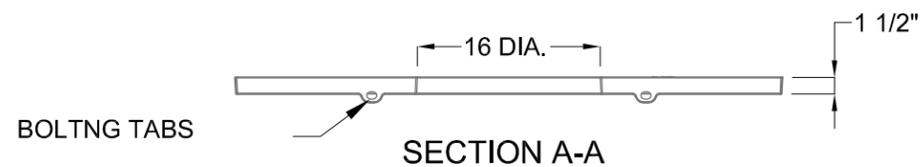
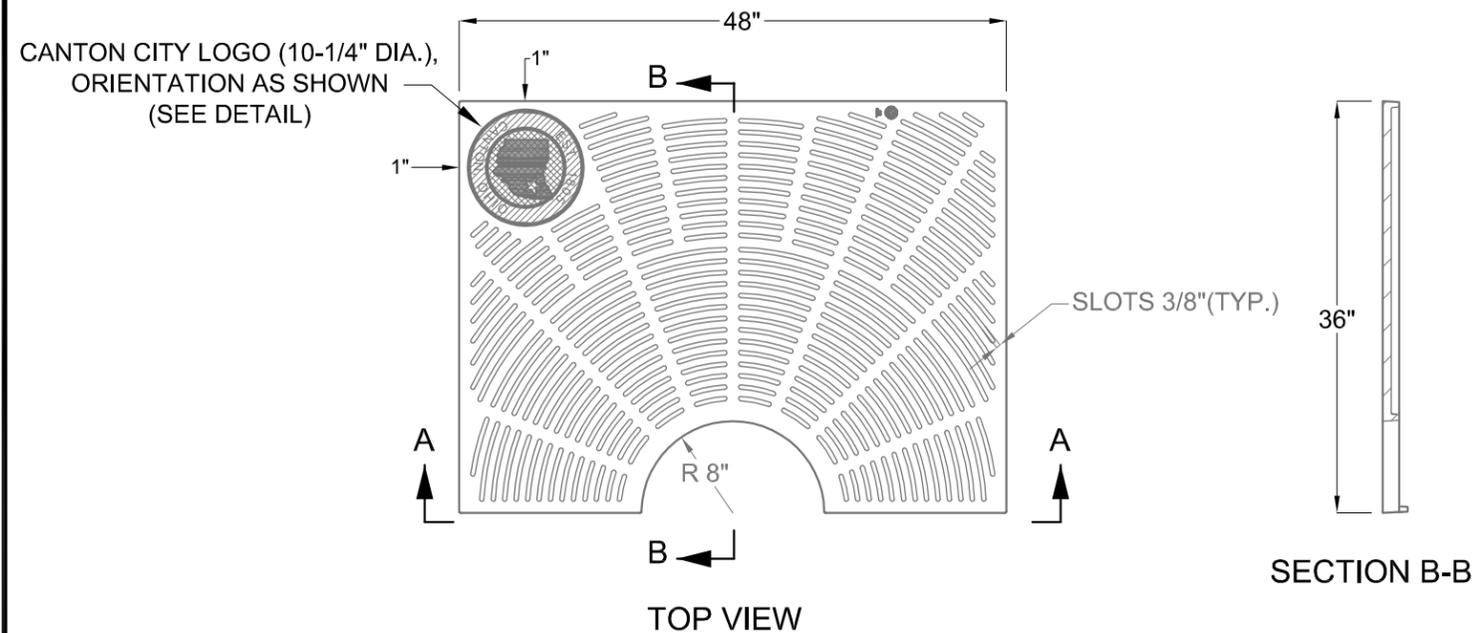


OFFICE OF THE CITY ENGINEER  
CANTON, OHIO  
DANIEL J. MOEGLIN, P.E., CITY ENGINEER  
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: FEB. 2012  
APPROVED BY: JTD  
DRAWING FILE NAME:  
ce\_40-47\_STREETSCAPE.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISED TREE GRATE, ADD CITY LOGO	APRIL 2014	RMB

**STANDARD DRAWING NO. 43**  
**TREE FRAME & GRATE**  
CONSTRUCTION DETAILS



**NOTES:**

1. TREE GRATES TO BE CAST OF GRAY IRON IN COMPLIANCE WITH ASTM SPEC. ASTM A-48 CLASS 35. GRATES MUST INCLUDE CANTON CITY LOGO AS SHOWN.
2. FRAMES FOR TREE GRATES TO BE MANUFACTURED OF STEEL DESIGNED FOR HEAVY LOADS. ENTIRE FRAMES MUST BE COATED WITH ONE COAT OF BLACK PAINT SUITABLE FOR FABRICATED STEEL.
3. APPROVED TREE GRATE AND FRAME PRODUCTS:
  - EAST JORDAN 8691
  - NEENAH R 8811
  - OR APPROVED EQUAL.
4. CONTACT CITY ENGINEER FOR CAD DRAWING OF CITY LOGO.



OFFICE OF THE CITY ENGINEER  
CANTON, OHIO

DANIEL J. MOEGLIN, P.E., CITY ENGINEER  
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: MAY 2014

APPROVED BY: RMB

DRAWING FILE NAME:  
ce\_40-47\_STREETScape.dwg

**REVISIONS**

DESCRIPTION	DATE	BY
REVISED TREE GRATE, ADD CITY LOGO	MAY 2014	RMB

**STANDARD DRAWING NO. 43**

**TREE FRAME & GRATE**  
CONSTRUCTION DETAILS

SHEET 2 OF 2