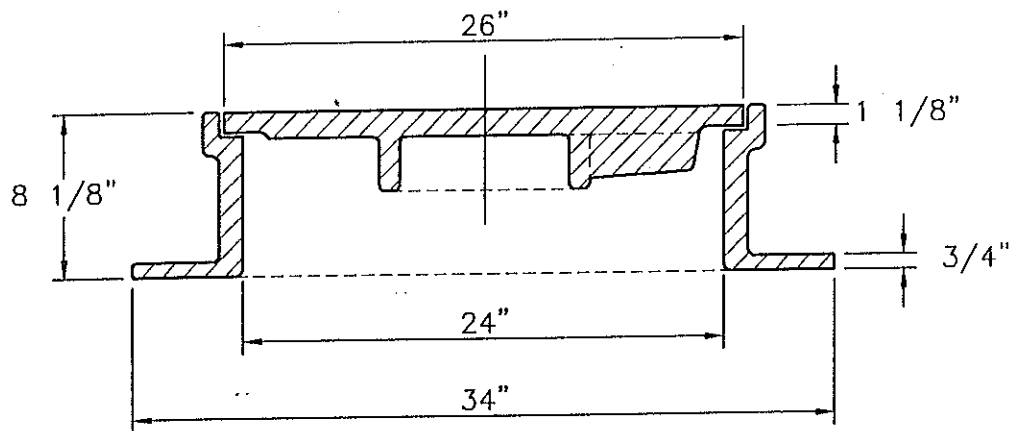
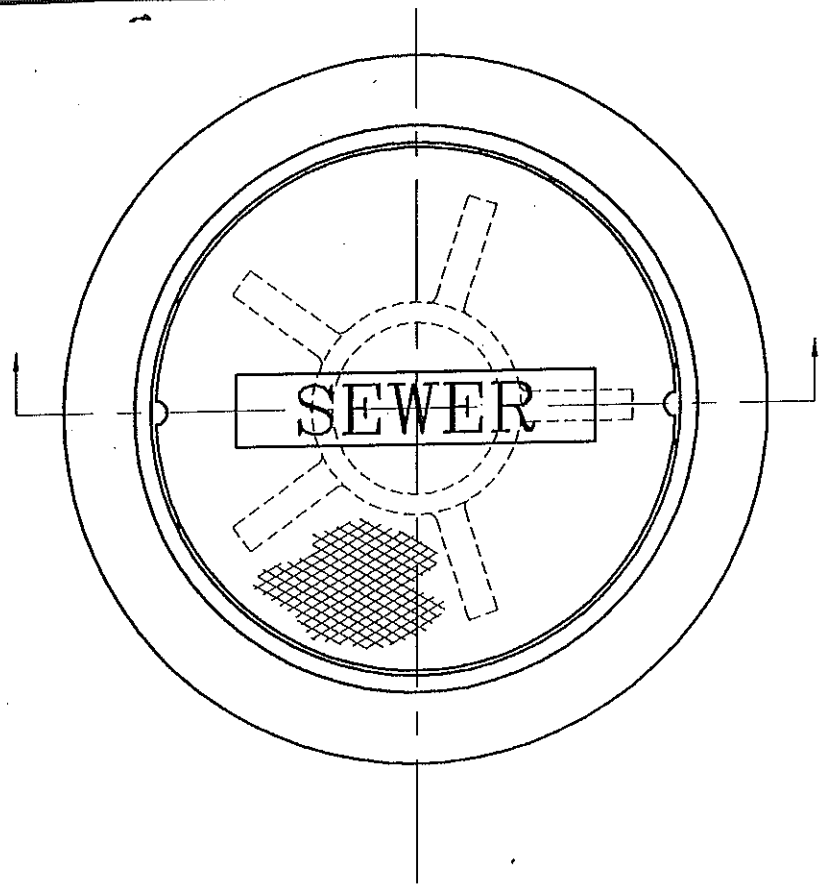


Appendix

SITE PLAN REGULATIONS CITY OF CHICOPEE MASSACHUSETTS

Section 2 – Site Plans



NOTES:

FRAME AND COVER SHALL BE LeBARON FOUNDRY CATALOG NO. LT 106 WITH COMBINED WEIGHT OF 475 LBS. OR EQUAL.

DRAIN MANHOLE COVER SHALL HAVE "DRAIN" CAST INTO LID.

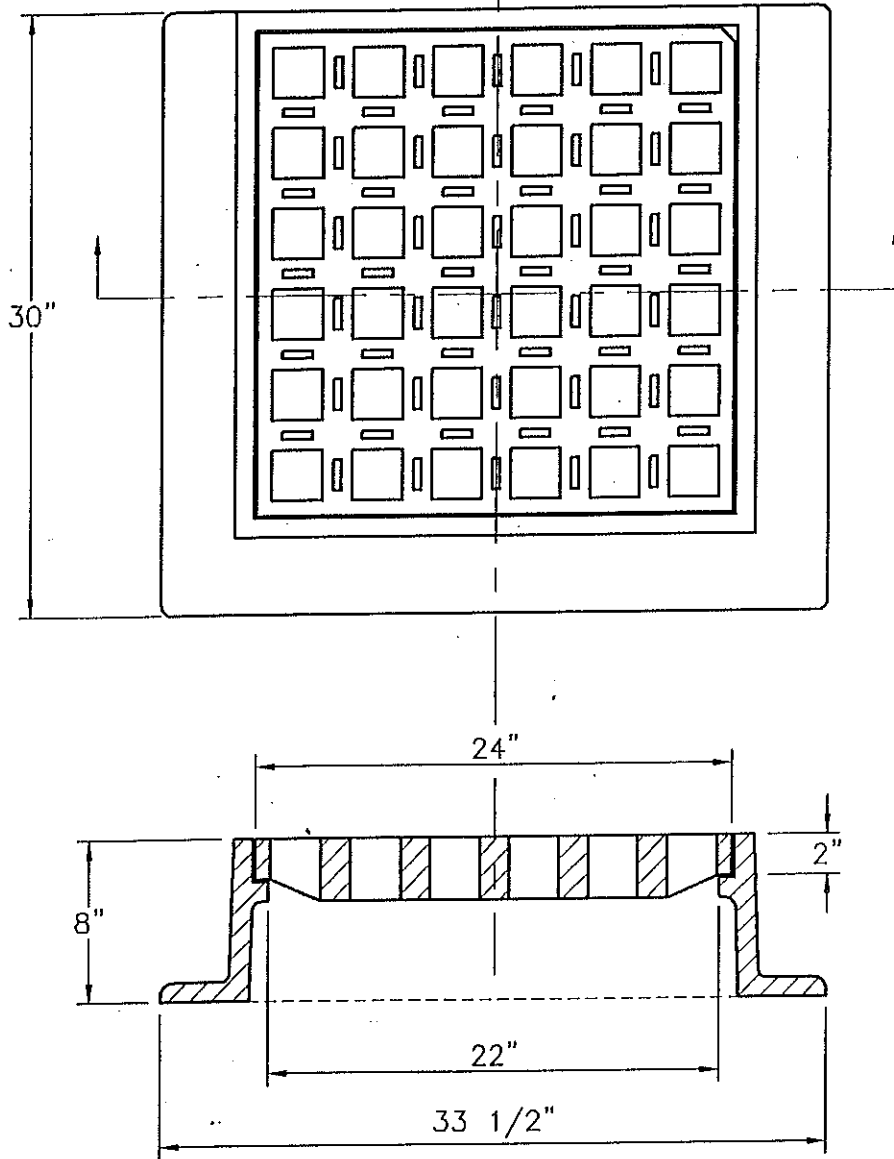
**MASSACHUSETTS
STANDARD
26 IN. DIA.
MANHOLE
FRAME & COVER**

**CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416**

**DRAWN BY: CJC
CHECKED BY: FWV
APPROVED BY: SJF**

**DATE: Feb., 2000
SCALE: N.T.S.**

DRAWING NUMBER



NOTE:

FRAME AND GRATE SHALL BE LeBARON FOUNDRY CATALOG NO. LF248-2 WITH COMBINED WEIGHT OF 480 LBS. OR EQUAL.

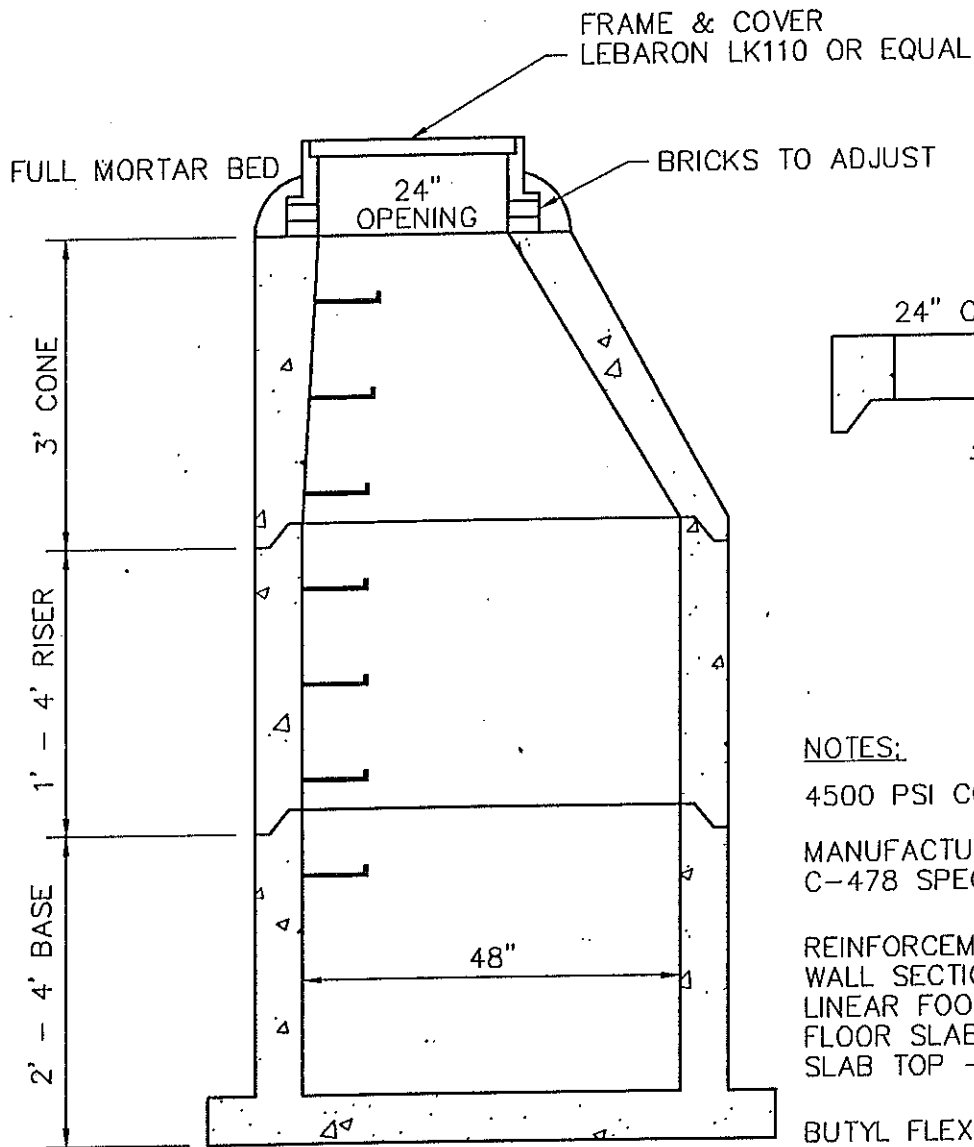
**MASSACHUSETTS
STANDARD
CATCH BASIN
FRAME & GRATE**

**CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416**

**DRAWN BY: CJC
CHECKED BY: FWV
APPROVED BY: SJF**

**DATE: Feb., 2000
SCALE: N.T.S.**

DRAWING NUMBER



NOTES:

4500 PSI CONCRETE

MANUFACTURED TO LATEST ASTM C-478 SPECIFICATIONS

REINFORCEMENT

WALL SECTIONS - 0.12 SQ. IN. PER LINEAR FOOT

FLOOR SLAB - 0.12 SQ. IN. EACH WAY

SLAB TOP - AASHTO HS20-44

BUTYL FLEXIBLE JOINT SEALANT CONFORMS TO LATEST ASTM C-990 SPECIFICATIONS

MANHOLE STEPS - STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC

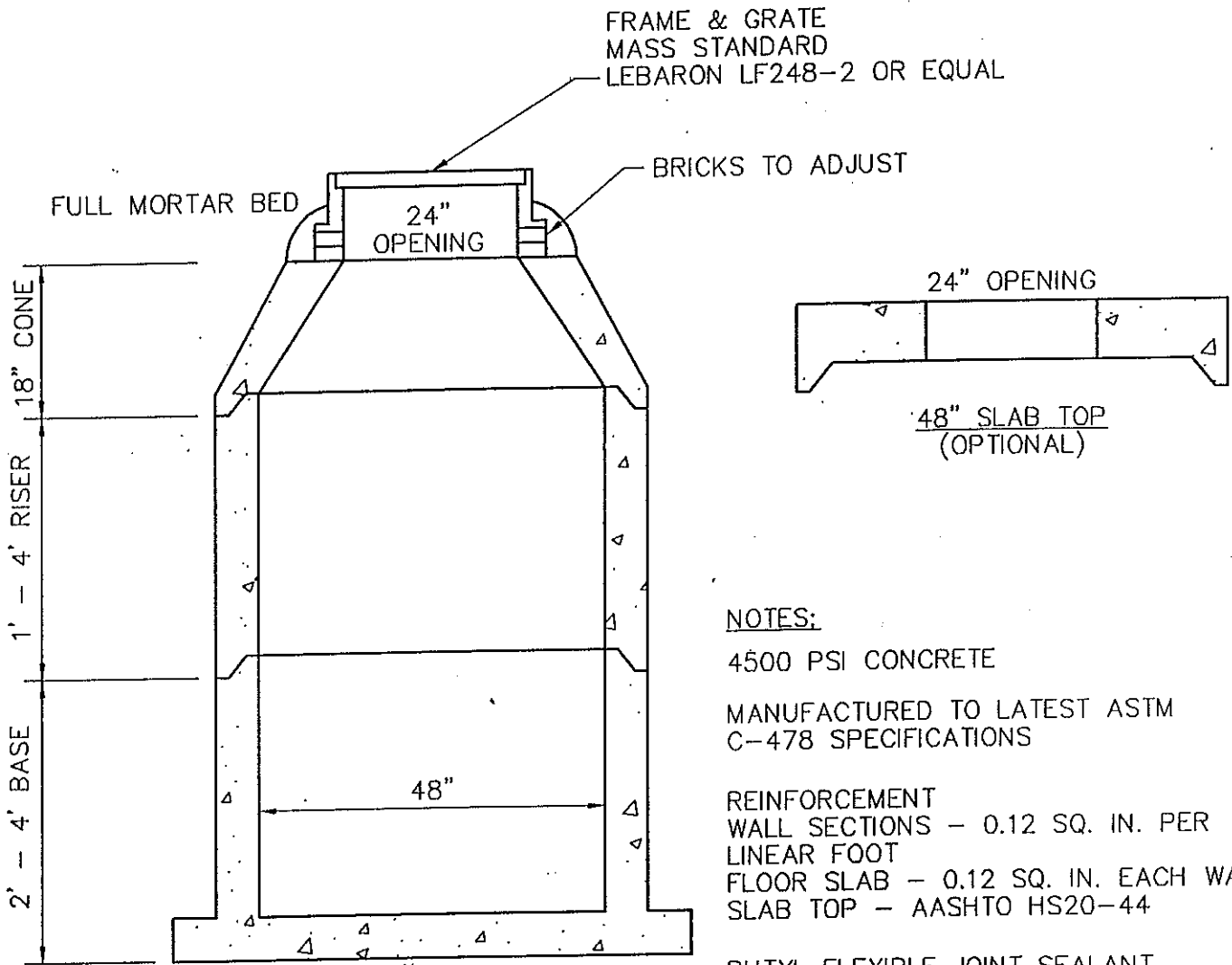
**TYPICAL
PRECAST CONCRETE
MANHOLE
DETAIL**

**CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416**

DRAWN BY: CJC
CHECKED BY: FWV
APPROVED BY: SJF

DATE: Feb., 2000
SCALE: N.T.S.

DRAWING NUMBER



NOTES:

4500 PSI CONCRETE

MANUFACTURED TO LATEST ASTM
C-478 SPECIFICATIONS

REINFORCEMENT

WALL SECTIONS - 0.12 SQ. IN. PER
LINEAR FOOT

FLOOR SLAB - 0.12 SQ. IN. EACH WAY
SLAB TOP - AASHTO HS20-44

BUTYL FLEXIBLE JOINT SEALANT
CONFORMS TO LATEST ASTM C-990
SPECIFICATIONS

MANHOLE STEPS - STEEL REINFORCED
COPOLYMER POLYPROPYLENE PLASTIC

**TYPICAL
PRECAST CONCRETE
CATCH BASIN
DETAIL**

**CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416**

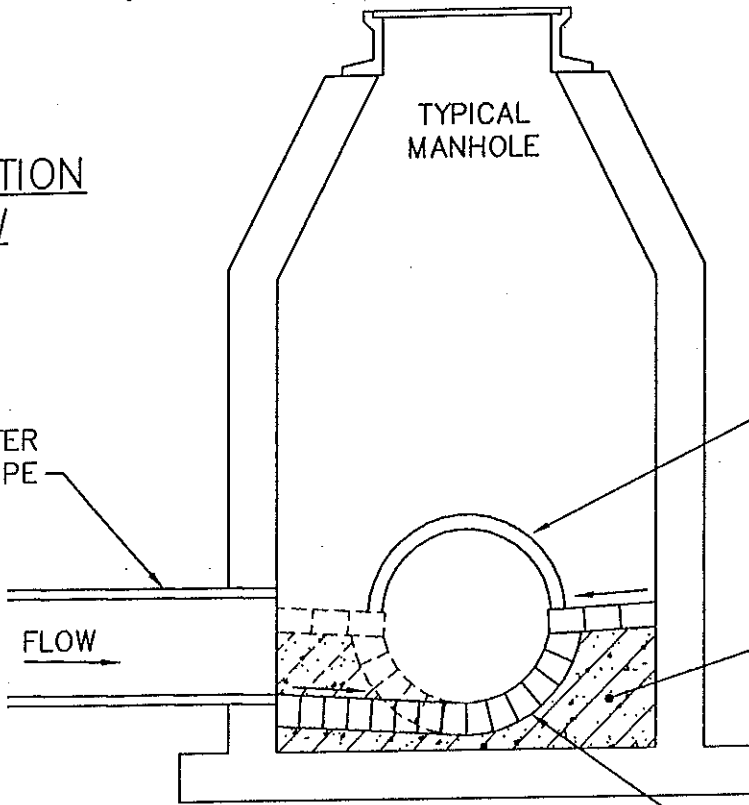
**DRAWN BY: CJC
CHECKED BY: FWV
APPROVED BY: SJF**

**DATE: Feb., 2000
SCALE: N.T.S.**

DRAWING NUMBER

SECTION
VIEW
N.T.S.

VARIOUS DIAMETER
PIPE

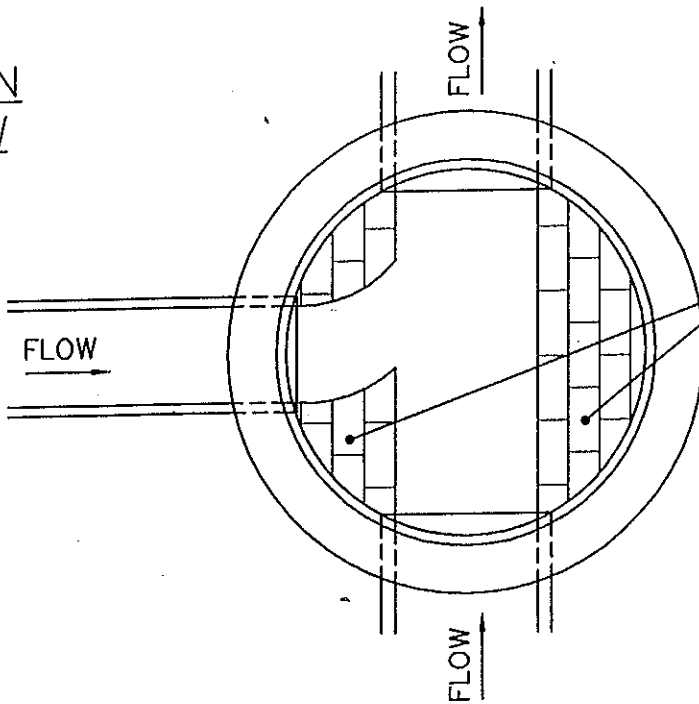


VARIOUS DIAMETER
PIPE

BRICK CHIPS
& MORTAR

INVERTED ARCH
WITH BRICKS LAID
ON EDGE

PLAN
VIEW
N.T.S.



BRICK &
MORTAR
SHELF

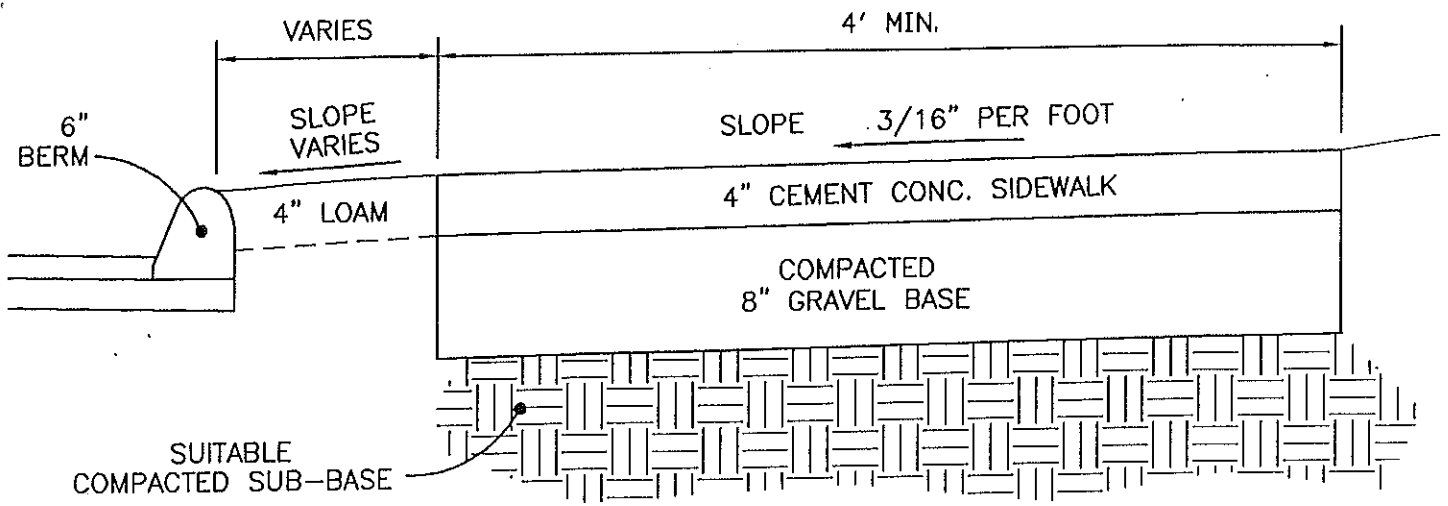
MANHOLE INVERT
CONSTRUCTION
DETAIL

CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416

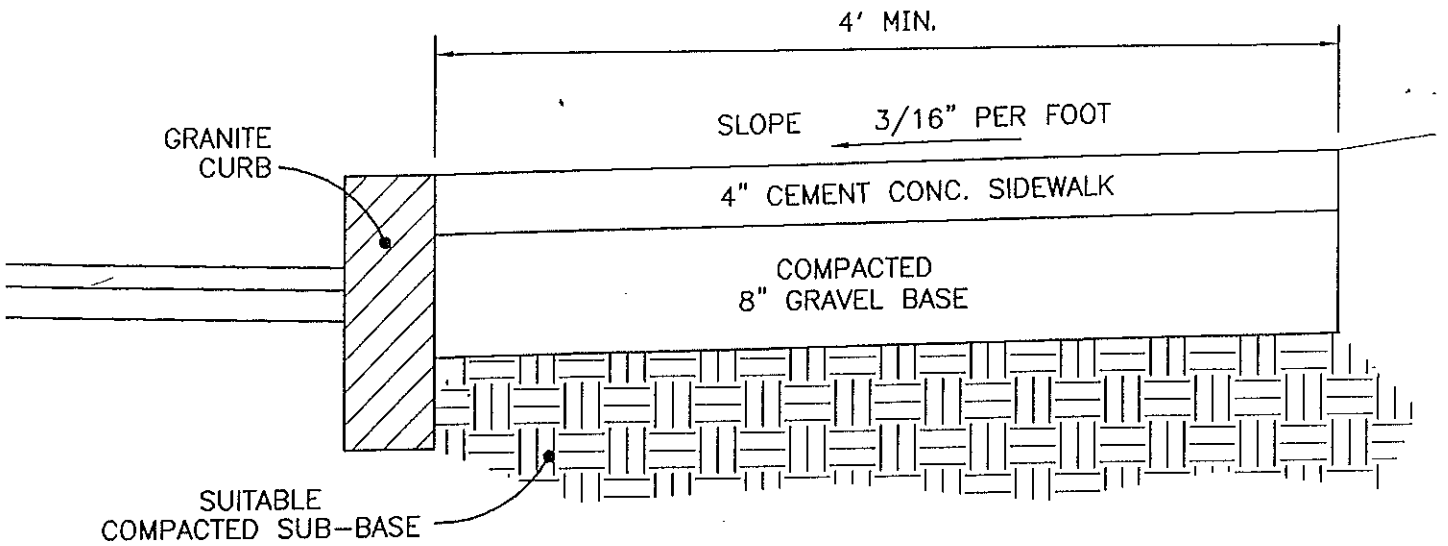
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CHECKED BY: FWV
APPROVED BY: SWK

DATE: 01/19/00
SCALE: N.T.S.

DRAWING NUMBER



STANDARD SIDEWALK



SIDEWALK AT CURB LINE

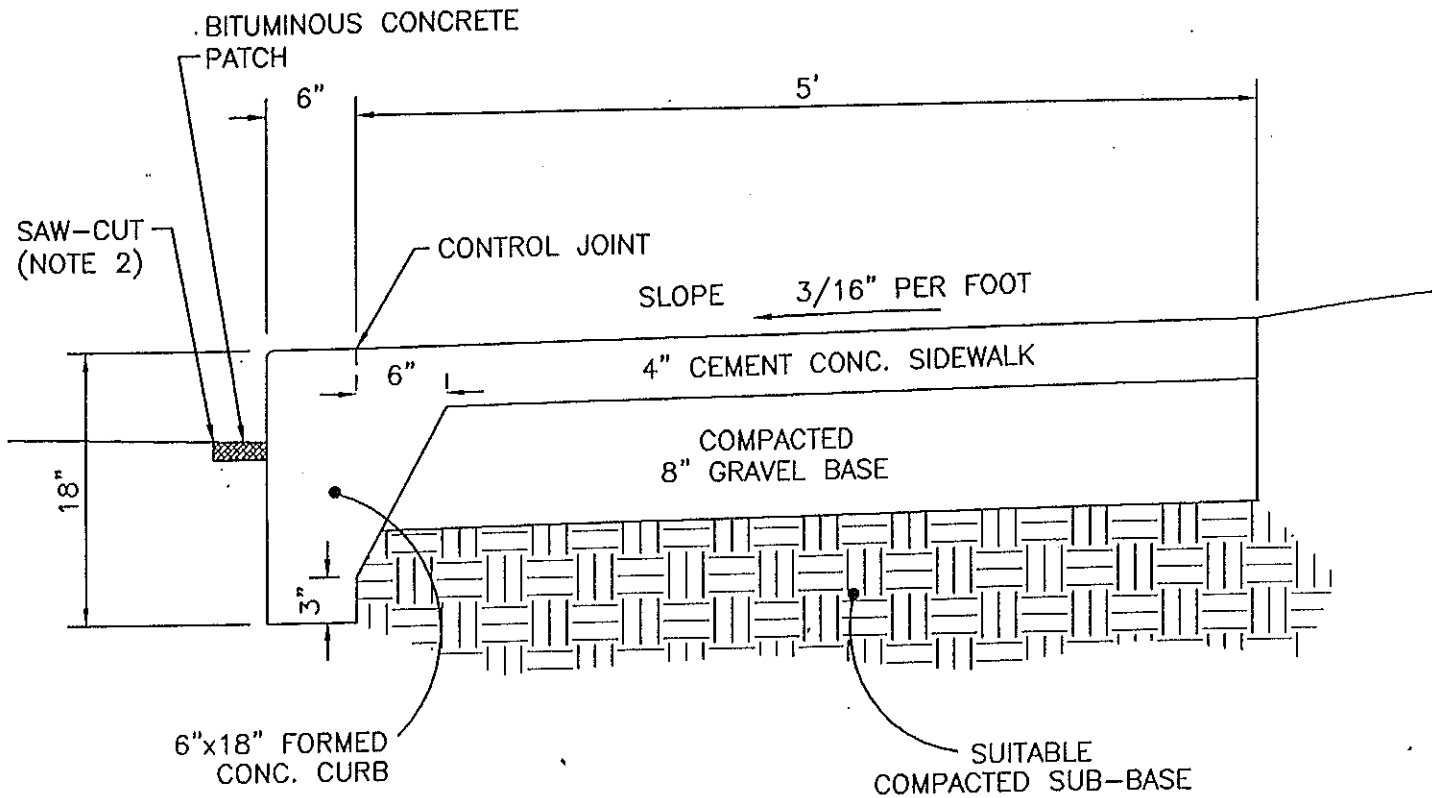
CEMENT
CONCRETE
SIDEWALK

CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416

DRAWN BY: CJC
CHECKED BY: FWV
APPROVED BY: SJF

DATE: 07/07/00
SCALE: N.T.S.

DRAWING NUMBER



NOTES:

1. INSTALLATION OF CONC. CURBING TO BE PAID BY LINEAR FOOT COMPLETE-IN-PLACE.
2. SAW-CUT AS DIRECTED BY ENGINEER AND PAID UNDER SEPARATE ITEM.
3. CURB FACE FORMED MIN. 7 1/2" DEEP.
4. FORMS SHALL BE PROPERLY BRACED TO PRODUCE CONSISTENT ALIGNMENT WITH ROAD EDGE.

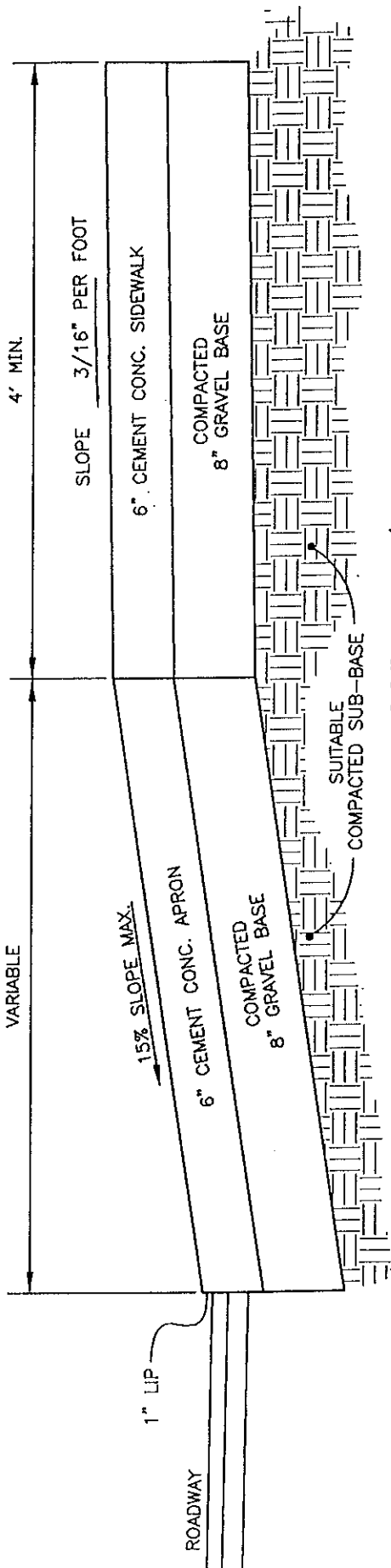
CEMENT
CONCRETE
SIDEWALK W/
FORMED CONCRETE
CURBING

CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416

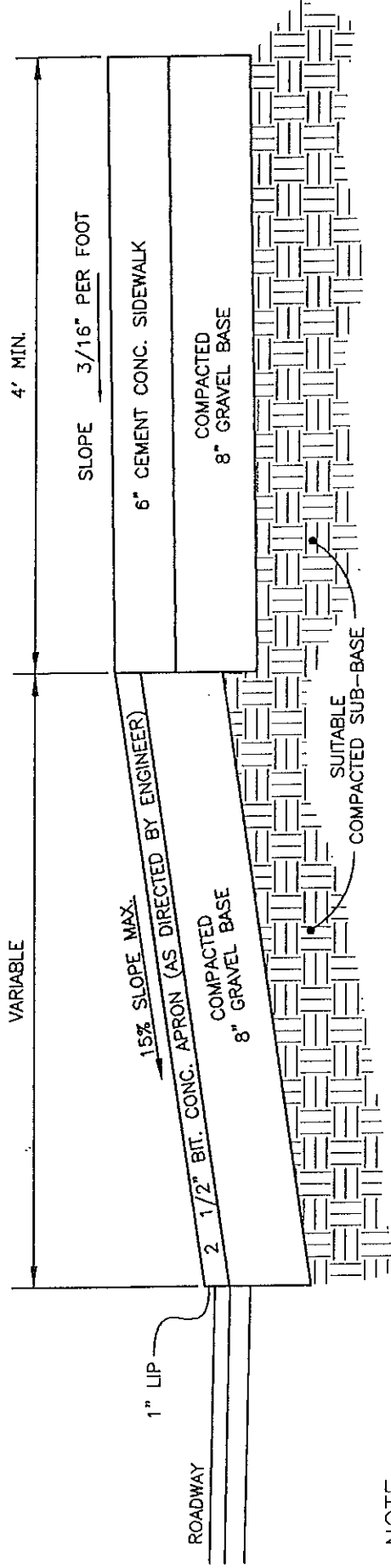
DRAWN BY: CJC
CHECKED BY: FWV
APPROVED BY: SJF

DATE: 06/18/99
SCALE: N.T.S.

DRAWING NUMBER



SIDEWALK W/ CEMENT CONC. APRON



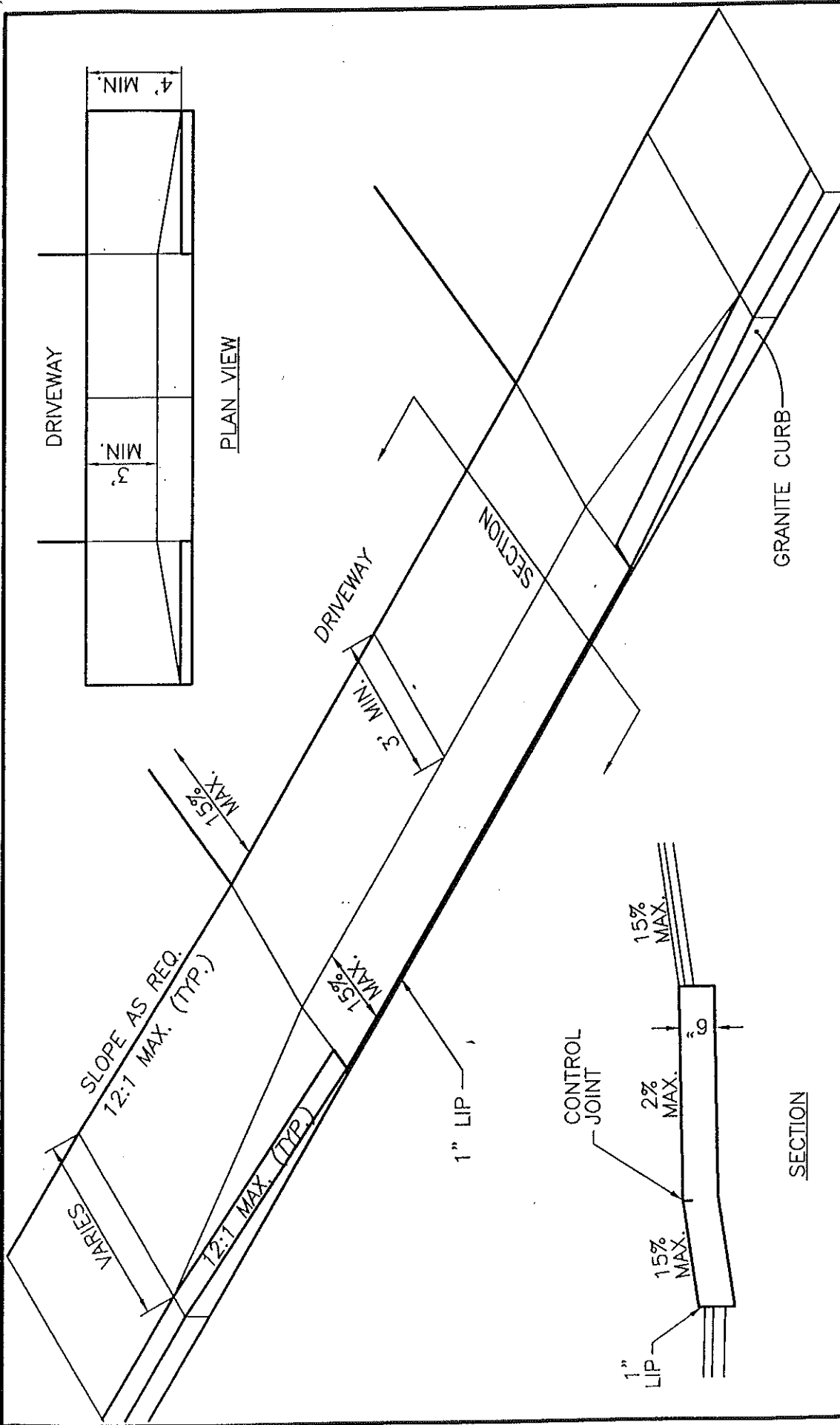
SIDEWALK W/ BIT. CONC. APRON

NOTE:
BITUMINOUS CONCRETE TO BE APPLIED WITH TWO COURSES.

CITY OF CHICOPEE ENGINEERING DEPARTMENT
115 BASKIN DRIVE
CHICOPEE, MASSACHUSETTS 01020
(413) 594-3416

SIDEWALK AT DRIVEWAY

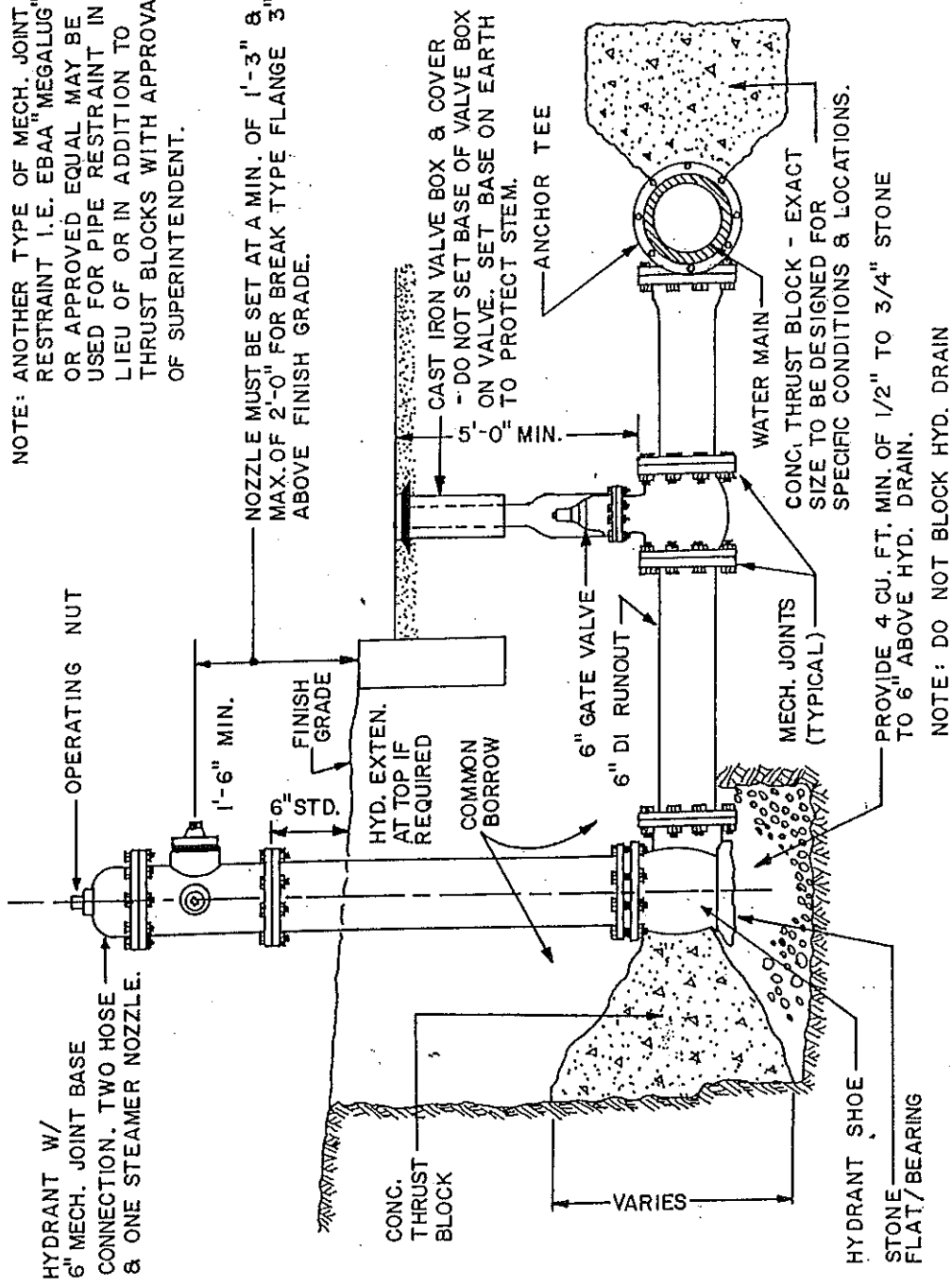
DRAWN BY: CJC	DATE: 07/07/00	DRAWING NUMBER
CHECKED BY: FWV		
APPROVED BY: SJF	SCALE: N.T.S.	



CITY OF CHICOPEE ENGINEERING DEPARTMENT 115 BASKIN DRIVE CHICOPEE, MASSACHUSETTS 01020 (413) 594-3416		DRAWING NUMBER 07/16/04
DRAWN BY: CJC CHECKED BY: APPROVED BY:		SCALE: N.T.S.
SIDEWALK @ DRIVEWAY ACCEPTABLE SLOPES & DIMENSIONS		

CHICOPEE WATER DEPARTMENT

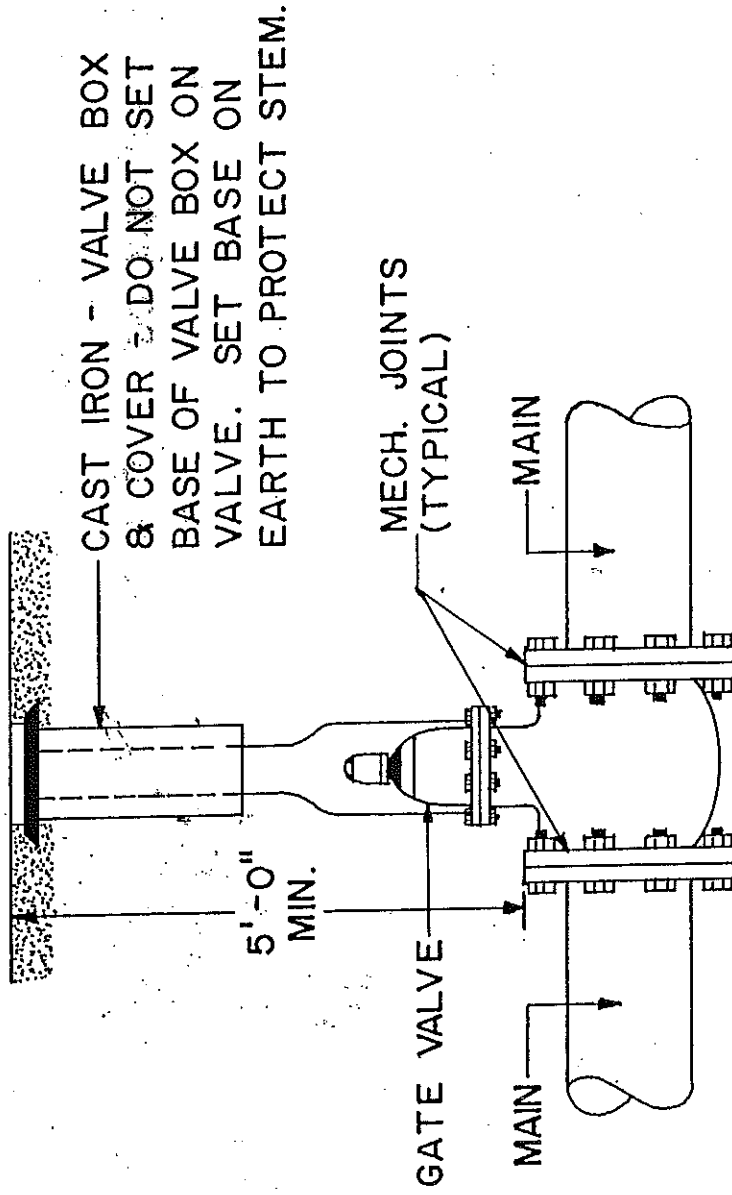
NOTE: ANOTHER TYPE OF MECH. JOINT RESTRAINT I.E. EBAA "MEGALUG" OR APPROVED EQUAL MAY BE USED FOR PIPE RESTRAINT IN LIEU OF OR IN ADDITION TO THRUST BLOCKS WITH APPROVAL OF SUPERINTENDENT.



TYPICAL FIRE HYDRANT CONNECTION
SCALE: NTS

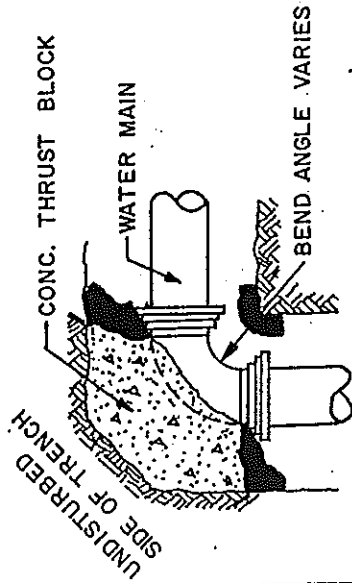
CHICOPEE WATER DEPARTMENT

NOTE: ANOTHER TYPE OF MECH. JOINT RESTRAINT I.E. EBAA "MEGALUG" OR APPROVED EQUAL MAY BE USED FOR PIPE RESTRAINT IN LIEU OF OR IN ADDITION TO THRUST BLOCKS WITH APPROVAL OF SUPERINTENDENT.

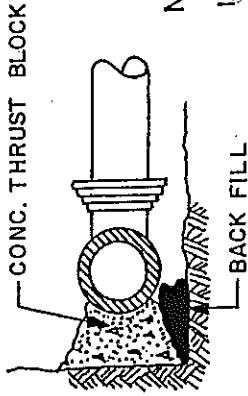


TYPICAL GATE VALVE
SCALE: NTS

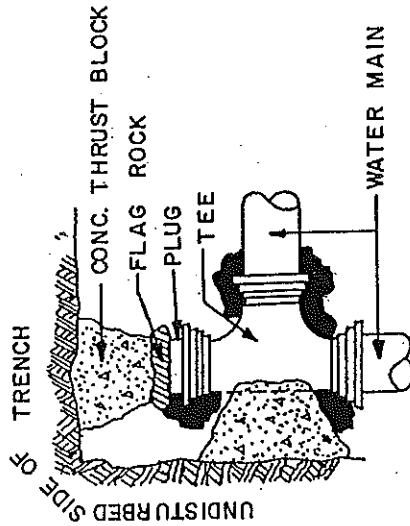
CHICOPEE WATER DEPARTMENT



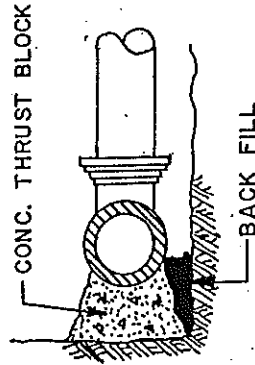
PLAN



ELEVATION



PLAN



ELEVATION

NOTES:

1. ALL WATER MAIN FITTINGS, BENDS, TEES, PLUGS ECT. SHALL BE RESTRAINED W/ THRUST BLOCKS EXCEPT WHERE NOTED.
2. ALL THRUST BLOCKS & COLLARS SHALL BE INSTALLED SO THAT THEY BEAR AGAINST UNDISTURBED EARTH.
3. SIZE OF CONCRETE THRUST BLOCKS TO BE DETERMINED IN THE FIELD.
4. MINIMUM COMPRESSIVE STRENGTH OF THRUST BLOCK CONCRETE SHALL BE 3000 P.S.I.
5. ANOTHER TYPE OF MECH. JOINT RESTRAINT I.E. EBAA "MEGALUG" OR APPROVED EQUAL MAY BE USED FOR PIPE RESTRAINT IN LIEU OF OR IN ADDITION TO THRUST BLOCKS WITH APPROVAL OF SUPERINTENDENT.

THRUST BLOCK DETAILS

SCALE: NTS

Ratios of Parking Spaces to Trees

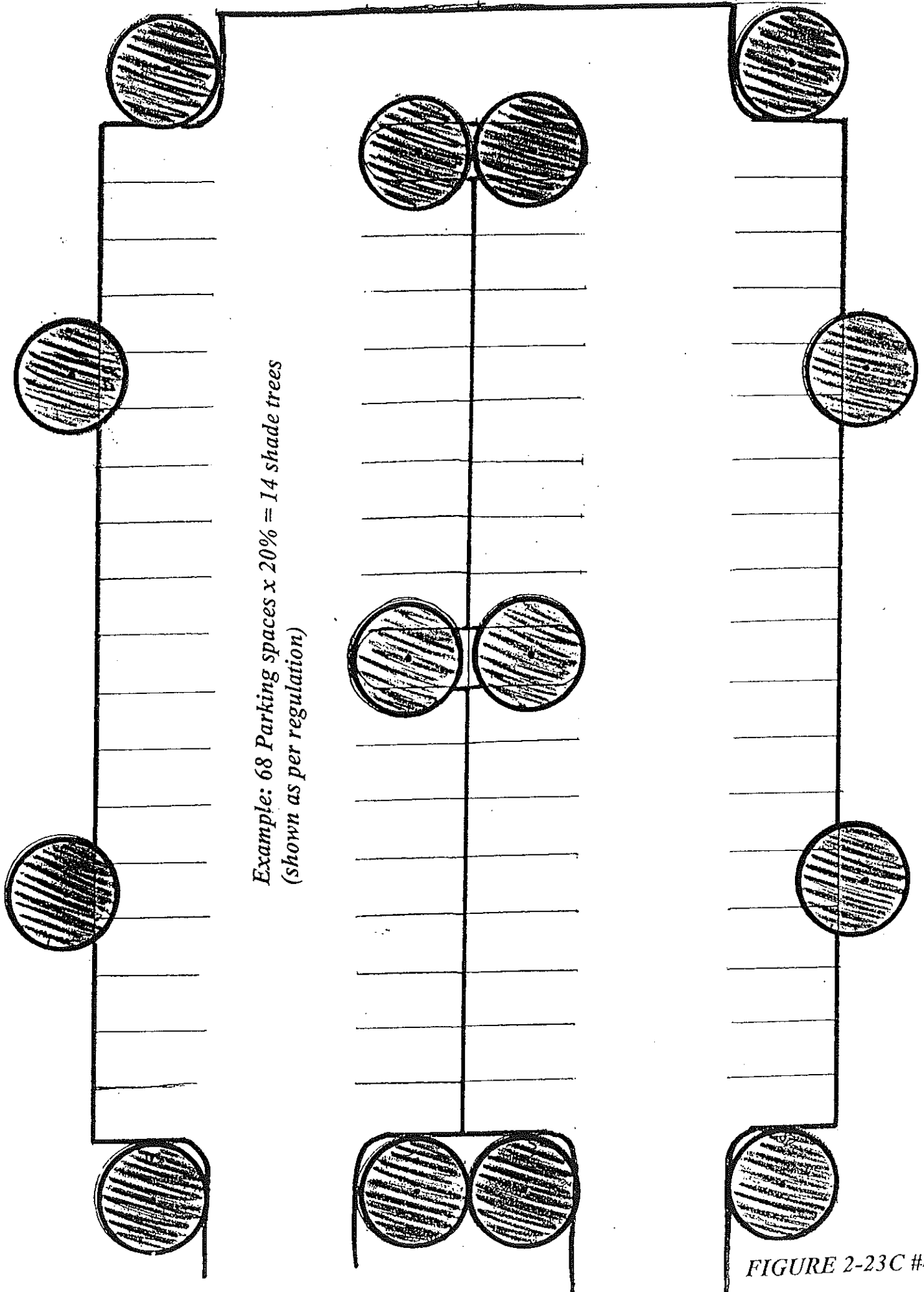
# of Parking Spaces	# of Shade Trees	# of Ornamental Trees	# of mixed trees
10	2	3	3
15	3	5	4
20	4	6	5
25	5	8	6
30	6	9	8
35	7	11	9
40	8	12	10
45	9	14	11
50	10	15	13
55	11	17	14
60	12	18	15
65	13	20	16
70	14	21	18
75	15	23	19
80	16	24	20
85	17	26	21
90	18	27	23
95	19	29	24
100	20	30	25

To determine the number of trees needed for a number of parking spaces not shown on the chart above follow the formulas below.

Shade Trees: # of spaces x 20%

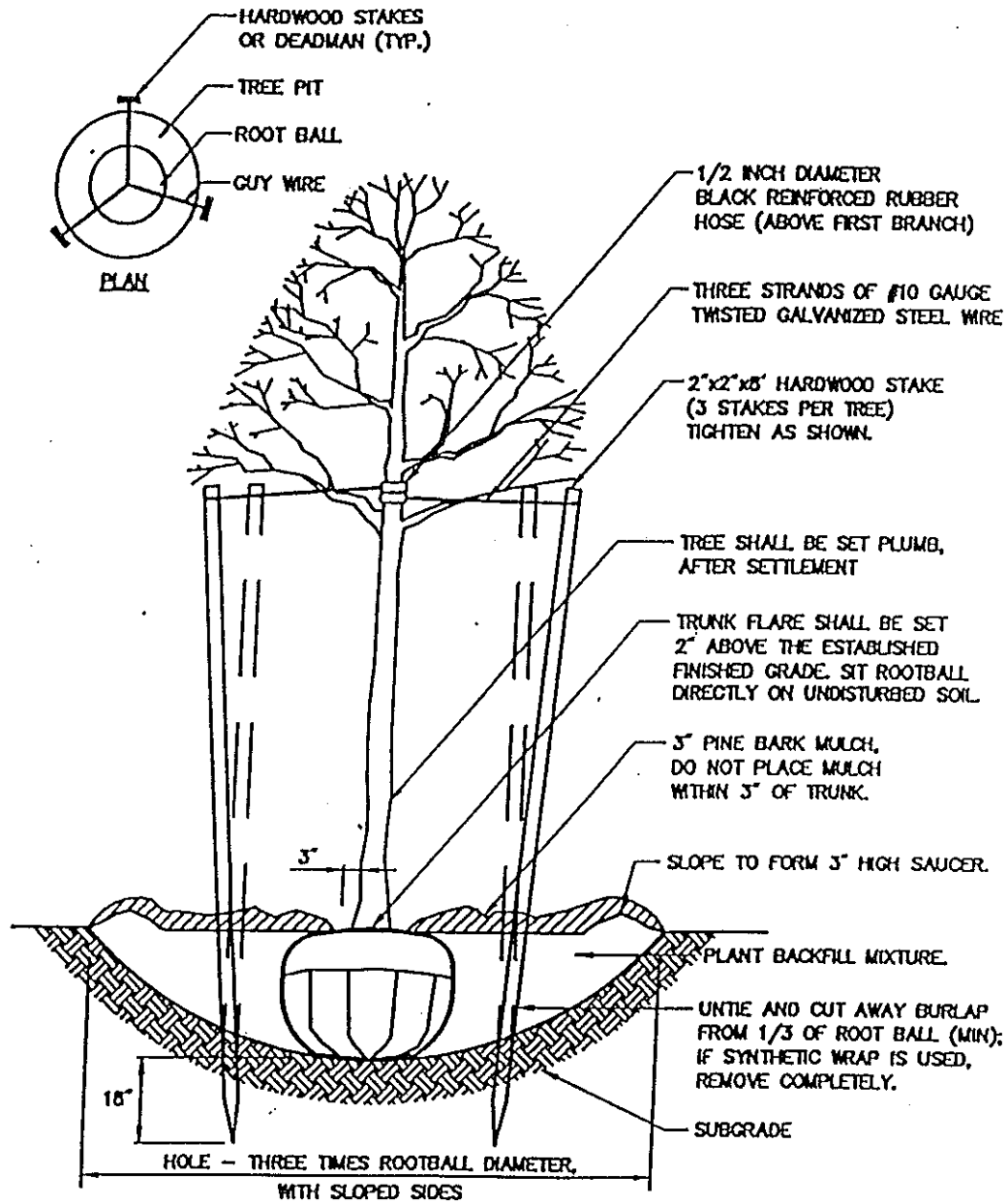
Ornamental Trees: # of spaces x 30%

Mix of both: # of spaces x 25%



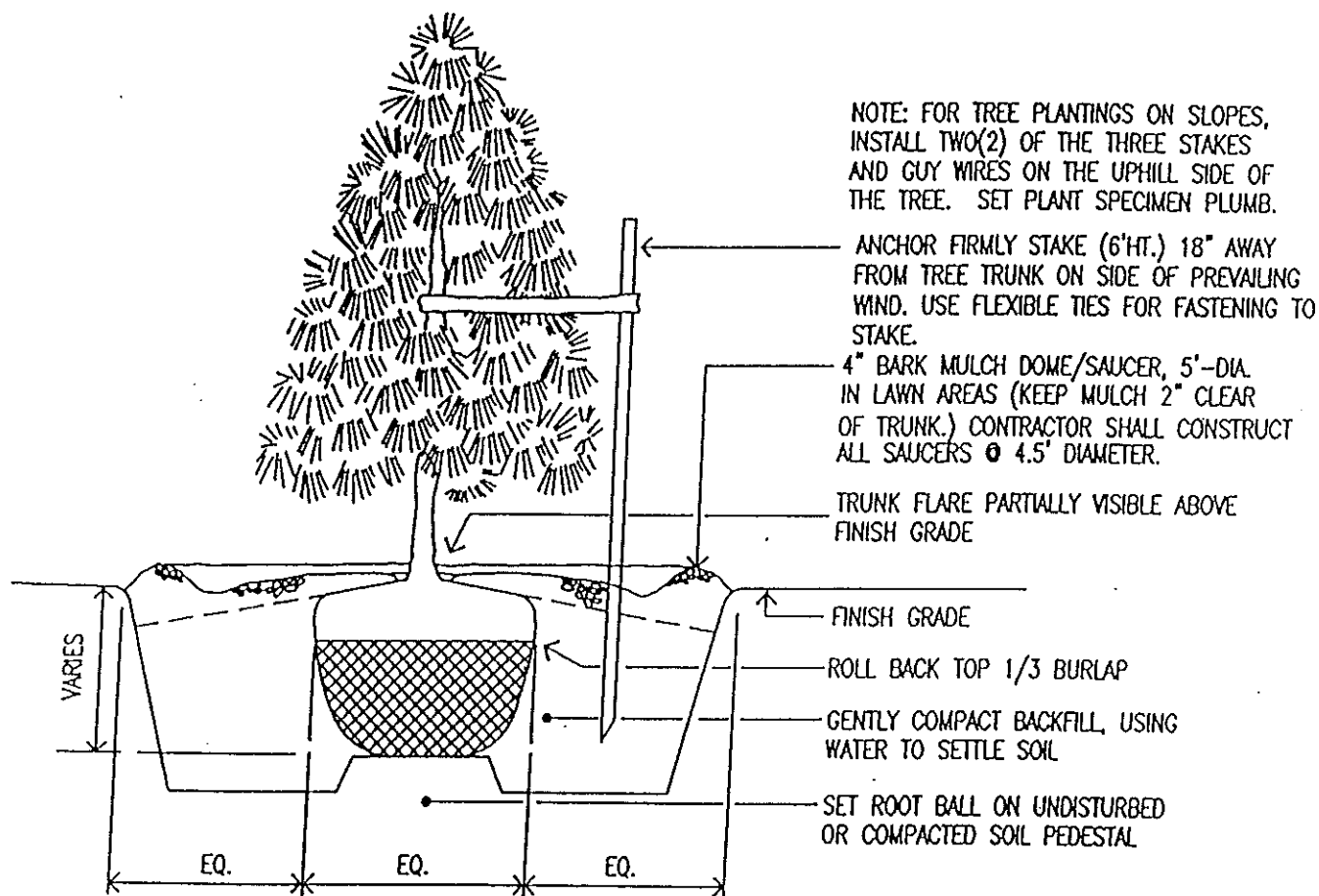
*Example: 68 Parking spaces x 20% = 14 shade trees
(shown as per regulation)*

FIGURE 2-23C #4



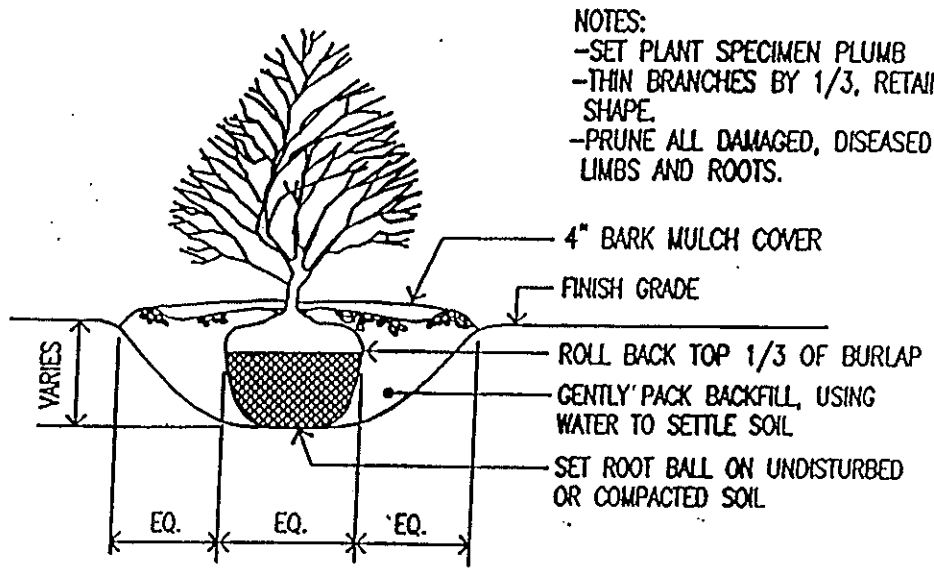
Tree Planting (For Trees Under 4" Caliper)

N.T.S.



TREE PLANTING—EVERGREEN

NO SCALE



- NOTES:
- SET PLANT SPECIMEN PLUMB
 - THIN BRANCHES BY 1/3, RETAIN NATURAL SHAPE.
 - PRUNE ALL DAMAGED, DISEASED OR WEAR LIMBS AND ROOTS.

SHRUB PLANTING

NO SCALE

Regulation Revisions

SITE PLAN REGULATIONS CITY OF CHICOPEE MASSACHUSETTS

Section 2 – Site Plans

