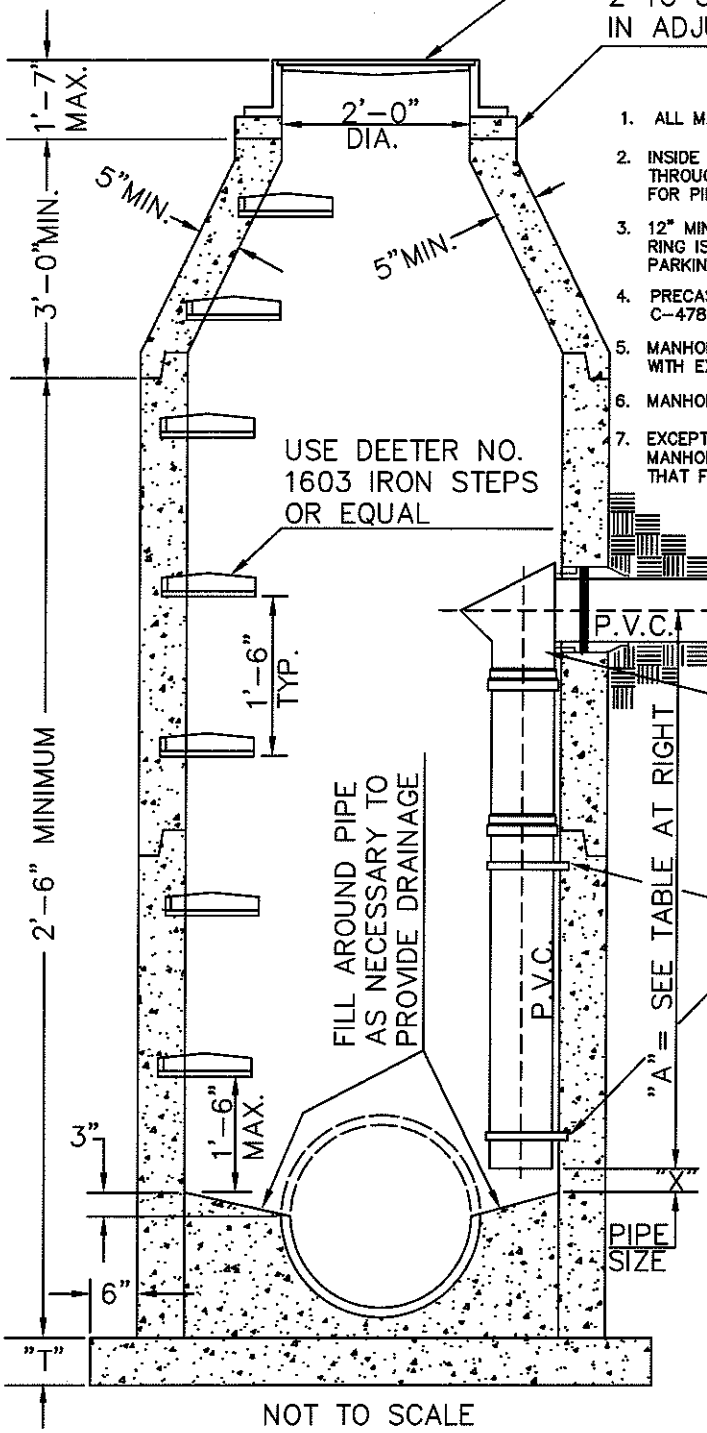
MANHOLE RING & COVER TO BE DEETER NO. 1030 OR EQUAL, WITH MACHINED EDGES & MINIMUM WEIGHT OF 450 LBS.

SEE STANDARD PLAN NO. 130-A FOR DETAIL OF RING & COVER & PLAN VIEW

USE ADJUSTING RINGS OR 2 TO 5 CENTERS OF BRICK IN ADJUSTING RING TO GRADE



NOT TO SCALE

"T"= 6" FOR 4' DIAMETER MANHOLE
"T"= 8" FOR 5" DIAMETER MANHOLE

MANHOLE NOTES

1. ALL MANHOLES RINGS TO BE SET IN MORTAR.
2. INSIDE DIAMETER OF MANHOLES TO BE 4'-0" FOR PIPE THROUGH 24", 5'-0" FOR PIPE 27" THROUGH 36", & 6'-0" FOR PIPE 42" THROUGH 48" IN SIZE.
3. 12" MINIMUM THICKNESS ADJUSTING RINGS UNDER MANHOLE RING IS REQUIRED WHEN MANHOLE IS LOCATED IN ROADWAYS, PARKING AREAS, SIDEWALKS, ETC.
4. PRECAST MANHOLE CIRCULAR SECTIONS TO BE PER A.S.T.M. C-478-68*
5. MANHOLE STEPS IN PRECAST MANHOLES TO BE GROUTED WITH EXPANDING GROUT.
6. MANHOLE INVERTS SHALL BE POURED CONCRETE. *
7. EXCEPT FOR DROP ASSEMBLY, THE CONSTRUCTION OF DROP MANHOLES INCLUDING MATERIALS SHALL BE SIMILAR TO THAT FOR A STANDARD MANHOLE

* ALL CONCRETE TO CONFORM TO DIVISION II CONCRETE PAVING SPECIFICATIONS.

NOTE:
USE INSIDE DROP BOWL & APPURTENANCES "DURAN" OR APPROVED EQUAL

STRAP DROP STRUCTURE TO MANHOLE WALL AT 3'-0" INTERVALS

I.D. INCOMING PIPE	I.D. DROP PIPE	"A" MINIMUM
4"	4"	2'-0"
6"	6"	2'-0"

NOTE:
DROP PIPE ANY LARGER THAN 6" CAN ONLY BE INSTALLED IN A MANHOLE WITH PERMISSION OF THE PUBLIC WORKS DEPT. MANHOLE SIZE MAY VARY.

REVISED 4/13/11

CITY OF GRAND ISLAND PUBLIC WORKS DEPARTMENT	DATE: 4-23-91 DRN. BY: P.S.	INSIDE DROP MANHOLE FOR PRIVATE SERVICE LINES	PLAN 129-A