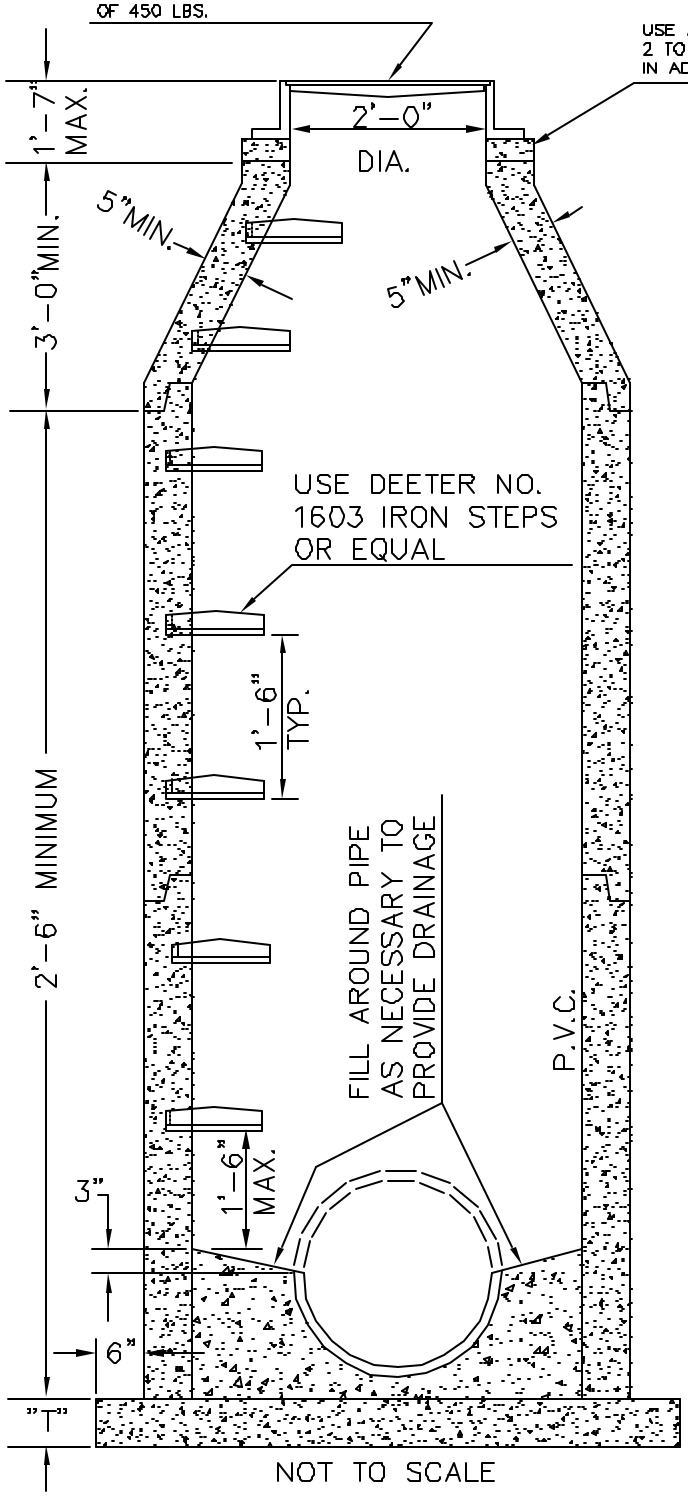
NOTE:

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



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 & 7'-0" FOR 54" PIPE.
3. 12" MINIMUM THICKNESS ADJUSTING RINGS UNDER MANHOLE RING IS REQUIRED WHEN MANHOLE IS LOCATED IN ROADWAYS, PARKING AREAS, SIDEWALKS, ETC.
4. ANY MATERIAL EXCAVATED BENEATH PIPE ENTERING OR LEAVING MANHOLES SHALL BE REPLACED WITH CONCRETE; SUCH CONCRETE FILL SHALL EXTEND TO THE CENTER OF THE PIPE FOR A DISTANCE OF AT LEAST 3'-0" FROM THE FACE OF THE MANHOLE AND SHALL TERMINATE AT A BELL
5. PRECAST MANHOLE CIRCULAR SECTIONS TO BE PER A.S.T.M. C-478-68*
6. MANHOLE STEPS IN PRECAST MANHOLES TO BE GROUTED WITH EXPANDING GROUT.
7. MANHOLE INVERTS SHALL BE POURED CONCRETE.
8. EXCEPT FOR DROP ASSEMBLY, THE CONSTRUCTION OF DROP MANHOLES (INCLUDING MATERIALS) SHALL BE SIMILAR TO THAT FOR A STANDARD MANHOLE.
9. A DROP PIPE SHALL BE PROVIDED FOR A SEWER ENTERING A MANHOLE 24" OR MORE ABOVE THE INVERT. SEE STANDARD PLAN NO. 129 & 129-A FOR DROP MANHOLE DETAILS.

* ALL CONCRETE TO CONFORM TO DIVISION V STORM & SANITARY SEWERS, SECTION 26.14, SULFATE RESISTANT CONCRETE SPECIFICATIONS

CITY OF GRAND ISLAND PUBLIC WORKS DEPARTMENT	DATE: 12-4-03 DRAWN BY: P.E.S. APPVD. BY:	STANDARD MANHOLE	PLAN 130