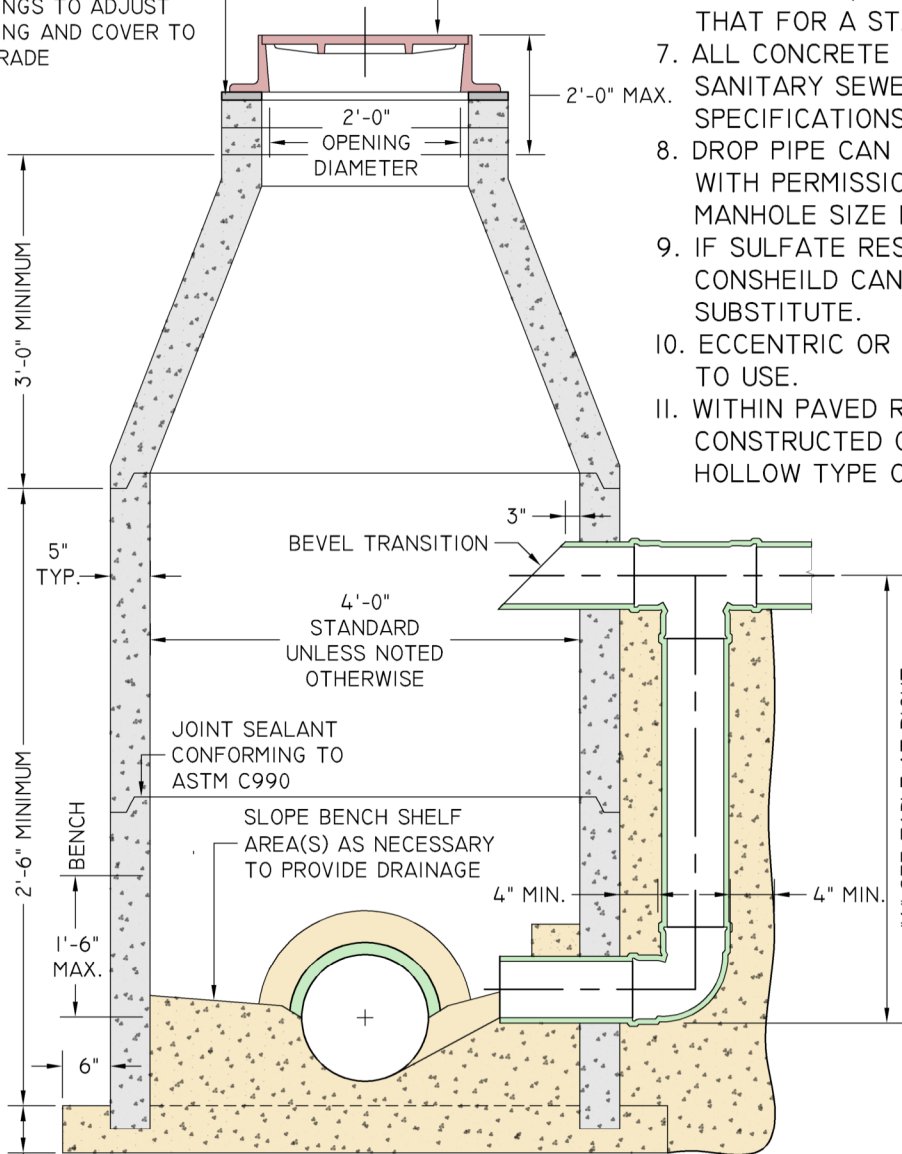


MANHOLE NOTES:

1. 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"; AND 7'-0" FOR 54" PIPE.
2. 12" MINIMUM THICKNESS ADJUSTING RINGS UNDER MANHOLE RING IS REQUIRED WHEN MANHOLE IS LOCATED IN ROADWAYS, PARKING AREAS, SIDEWALKS, ETC.
3. 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.
4. PRECAST MANHOLE CIRCULAR SECTIONS TO BE PER A.S.T.M. C-478
5. MANHOLE INVERTS SHALL BE POURED CONCRETE. SEE STD. PLAN 130.5 FOR PLAN VIEW.
6. EXCEPT FOR DROP ASSEMBLY, THE CONSTRUCTION OF DROP MANHOLES (INCLUDING MATERIALS) SHALL BE SIMILAR TO THAT FOR A STANDARD MANHOLE 130.1.
7. ALL CONCRETE TO CONFORM TO DIVISION V STORM & SANITARY SEWERS SULFATE RESISTANT CONCRETE SPECIFICATIONS.
8. DROP PIPE CAN ONLY BE INSTALLED INTERIOR A MANHOLE WITH PERMISSION OF THE PUBLIC WORKS DEPARTMENT. MANHOLE SIZE MAY VARY.
9. IF SULFATE RESISTANT CONCRETE IS UNAVAILABLE, CONSHEILD CAN BE ADDED IN TYPE I MANHOLES AS A SUBSTITUTE.
10. ECCENTRIC OR CONCENTRIC CONE SECTIONS ACCEPTABLE TO USE.
11. WITHIN PAVED ROUTES, ADJUSTMENT RING SHALL BE CONSTRUCTED OF A SOLID MATERIAL. HONEYCOMB OR HOLLOW TYPE OF ADJUSTMENT RINGS ARE PROHIBITED.

MANHOLE RING & COVER TO BE DEETER NO. 1030 OR EQUAL, WITH MACHINED EDGES & MINIMUM WEIGHT OF 380 LBS. SEE STD. PLAN 130.1 FOR RING DETAIL, AND 130.5 FOR RING & COVER DETAIL.

USE HDPE, EPP, CONCRETE OR STEEL ADJUSTING RINGS TO ADJUST RING AND COVER TO GRADE



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

NOT TO SCALE

I.D. INCOMING PIPE	I.D. DROP LINE	"A" MINIMUM
8"	8"	2'-0"
10"	10"	2'-0"
12"	12"	2'-0"
15"	12"	2'-0"
18"	15"	2'-4"
21"	18"	2'-7"
24"	18"	2'-9"
27"	18"	2'-10"
30"	18"	3'-1"
36"	18"	3'-4"
42"	AS DIRECTED BY CITY ENGINEER	
48"		



STANDARD SANITARY SEWER
 MANHOLE DETAILS - OUTSIDE DROP

CITY STANDARD PLANS & SPECIFICATIONS
 GRAND ISLAND, NEBRASKA

PLAN 130.2
 SHEET 2 OF 5

DRAWN BY: MLS DATE: 2014
 REVISED BY: RLS DATE: 6.2024
 APPROVED BY: DATE: