

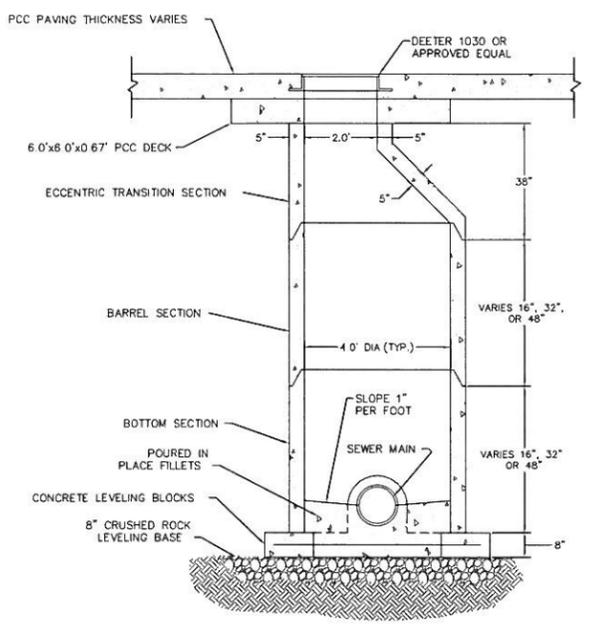
Revisions	By
5/30/2014	A.E.J.



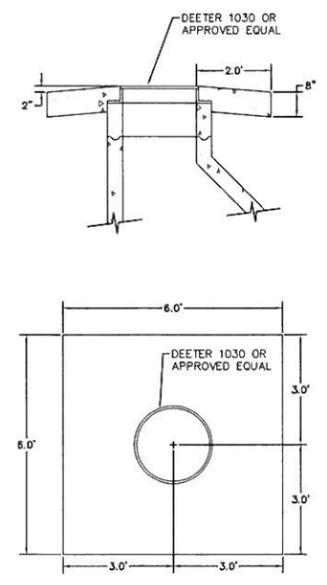
Engineering Department
1019 15th Ave
P.O. Box 1180
Kearney, NE 68848-1180
Phone 308-233-3246
Fax 308-233-3223
www.cityofkearney.org

Sanitary Sewer Details - Sheet 1 of 1

Kearney Standard Drawings



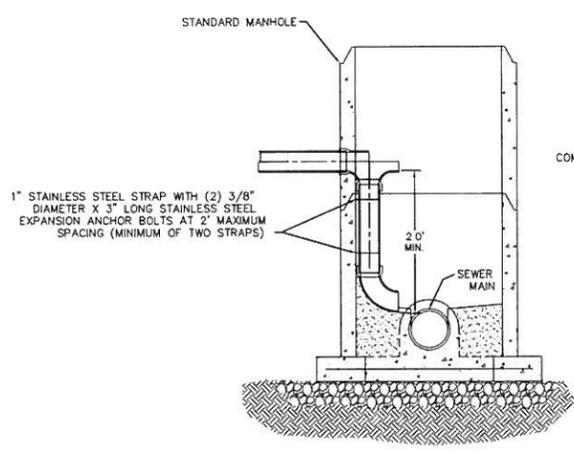
Typical Sanitary Sewer Manhole
No Scale



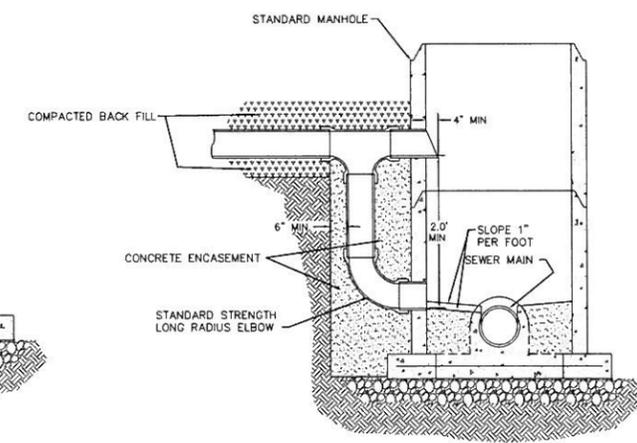
Typical Sanitary Sewer Manhole
No Scale

NOTES:

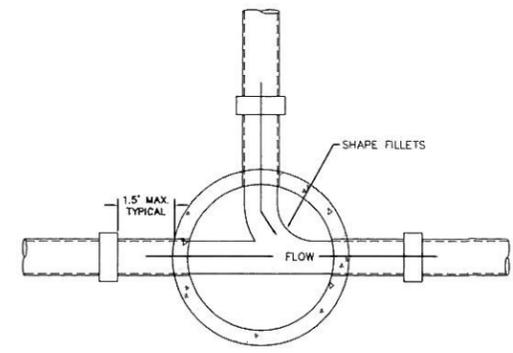
1. SET MANHOLE OVER SEWER LINE AND LEVEL TO GRADE BEFORE POURING FOOTING BASE.
2. PIPES ENTERING MANHOLE SHALL BE FULLY SUPPORTED BY COMPACTED ROCK BASE. PROVIDE JOINT IN ALL PIPE NOT MORE THAN 1 1/2 FEET FROM MANHOLE WALLS. MATCH TOP OF PIPE ELEVATIONS.
3. TOTAL DEPTH AND PIPE SIZE SHALL BE AS SPECIFIED ON CONSTRUCTION DRAWINGS.
4. MANHOLE RING AND COVER SHALL BE DEETER 1030, OR APPROVED EQUAL. ALL HORIZONTAL BEARING SURFACES SHALL BE MACHINED.
5. EPOXY TOPCOAT ALL INTERIOR SURFACES AS PER SPECIFICATIONS IN SECTION 4, SANITARY SEWER, 1.40.0.
6. ALL HORIZONTAL MATING SURFACES BETWEEN CONCRETE AND CONCRETE OR CONCRETE AND METAL SHALL BE SEALED WITH RAM-NEK OR ENGINEER APPROVED EQUAL, PREMOLDED MASTIC COMPOUND.
7. ALL VERTICAL EXTERIOR WALL SURFACES SHALL RECEIVE A FIBER ASPHALT COMPOUND TO A FINAL WET THICKNESS OF 1/8 INCH. PROVIDE COATING MEETING ASTM D499 EQUAL TO SONNEBORN HYDROCID 700 B SEMI-MASTIC.
8. NUMBER 4 REBAR SHALL BE INSTALLED IN MANHOLE FLOOR AT 12 INCH CENTERS BOTH WAYS.
9. MANHOLE RING AND COVER SHALL BE SET IN 6.0 FOOT BY 6.0 FOOT BY 8 INCH CONCRETE PAD WHERE MANHOLE IS LOCATED IN GRAVEL STREET OR IN AN AGRICULTURAL AREA.
10. RIM ELEVATION SHALL BE 1.5 FEET BELOW GRAVEL SURFACE OF STREET OR 3.0 FEET BELOW EXISTING GRADE IN AGRICULTURAL AREAS. MANHOLES IN RESIDENTIAL AREAS SHALL BE BROUGHT UP TO THE FINISHED GRADE WITH THE CONCRETE PAD POURED AROUND THE LID AND WITH NO STRUCTURES TO BUILT OVER IT.
11. CONCRETE PAD SHALL SLOPE 1 INCH PER FOOT AWAY FROM RING AND COVER.



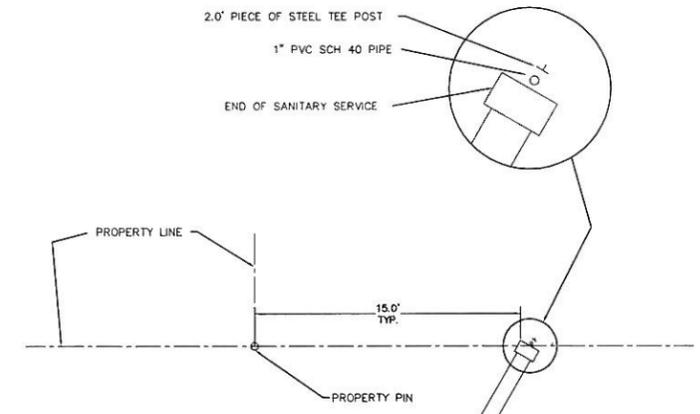
Typical Inside Drop Manhole
No Scale



Typical Outside Drop Manhole
No Scale



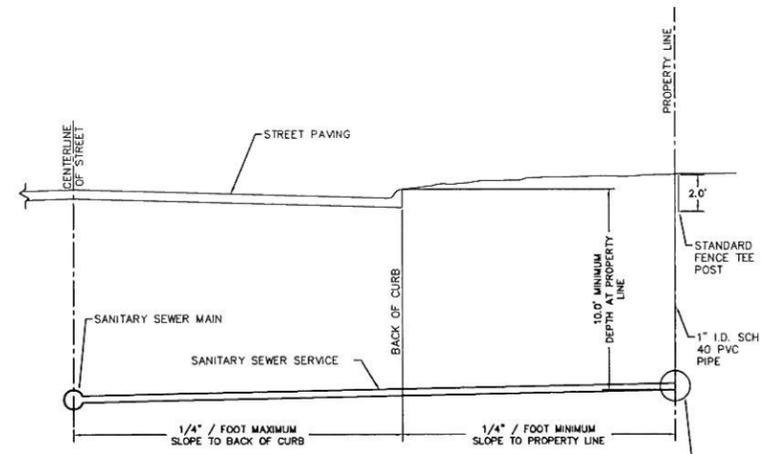
Typical Manhole Invert
No Scale



NOTES:

1. SANITARY SEWER SERVICE SHALL BE EXTEND TO THE PROPERTY LINE 15.0' FROM THE PROPERTY PIN LOCATED ON THE DOWN GRADIENT SIDE OF THE SANITARY SEWER MAIN.

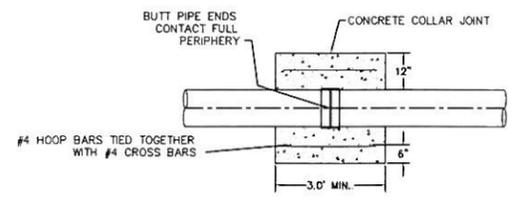
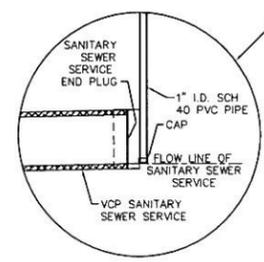
Typical Sanitary Sewer Service Location
No Scale



NOTES:

1. INSTALL SERVICE AT MINIMUM GRADE OF 1/4 INCH PER FOOT FROM SEWER MAIN TO BACK OF CURB UNDER PAVING
2. CONTINUE TO INSTALL SERVICE LINE AT MINIMUM SLOPE OF 1/4 INCH PER FOOT TO PROPERTY LINE IF BURY DEPTH IS LESS THAN 10 FEET OR INSTALL TO A MINIMUM DEPTH OF 10 FEET BELOW FINISHED TOP OF CURB GRADE AT PROPERTY LINE.
3. INSTALL A 1" INSIDE DIAMETER SCHEDULE 40 PVC PIPE EXTENDING FROM THE END FLOW LINE OF THE SANITARY SEWER SERVICE TO THE TOP OF THE FINISHED GRADE AT THE PROPERTY LINE. INSTALL PLASTIC CAPS ON THE BOTTOM AND TOP ENDS OF THE 1" PVC PIPE. DO NOT GLUE THE CAP AT THE FINISH GRADE SURFACE SO THAT IT MAY BE REMOVED TO DETERMINE THE DEPTH OF THE SERVICE LINE.
4. INSTALL A 2.0' LENGTH OF A STANDARD FENCING TEE POST DIRECTLY BEHIND THE 1" PVC PIPE FOR LOCATION PURPOSES. TEE POST SHOULD BE DRIVEN TO BELOW FINISHED GRADE SURFACE.

Typical Sanitary Sewer Service Location



Sewer Connection Collar
No Scale

Date:	12/02/2015
Drawn By:	A.E.J.
Approved by:	BAG
Drawing Location:	H:\Standard Specs and Plans - BAG\KRNYSpecs\Standard Details\Inlet details 2.dwg
Sheet	of
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