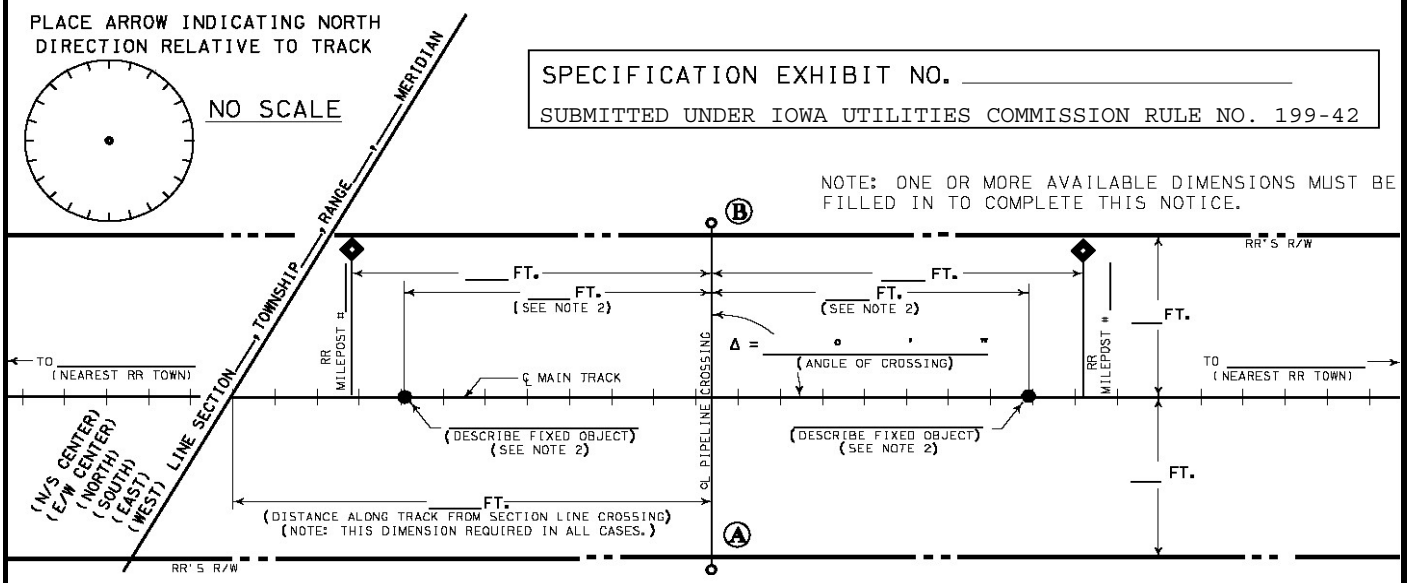
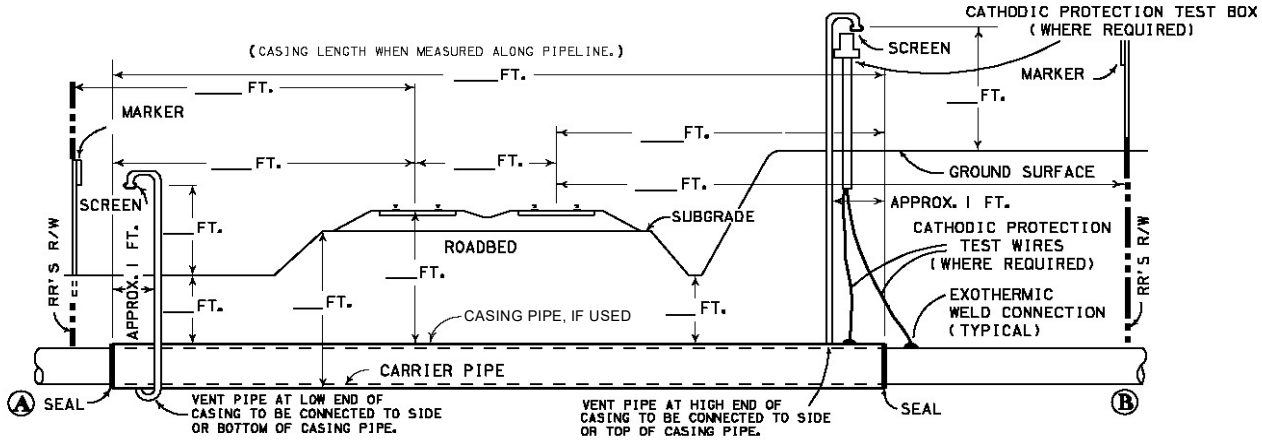
IOWA FLAMMABLE PIPELINE CROSSING





CROSS SECTION AB

A) IS PIPELINE CROSSING WITHIN PUBLIC ROAD? _____YES; _____NO;

B) IF YES, NAME OF STREET _____

C) CARRIER PIPE:

COMMODITY TO BE CONVEYED _____

OPERATING PRESSURE _____ PSIG

MAXIMUM OPERATING PRESSURE _____ PSIG

WALL THICKNESS _____; DIAMETER _____; MATERIAL _____;

D) CASING PIPE, IF USED:

WALL THICKNESS _____; DIAMETER _____; MATERIAL _____;

E) METHOD OF INSTALLATION:

_____ HORIZONTAL DIRECTIONAL DRILLING;

_____ DRY BORE AND JACK (WET BORE NOT PERMITTED);

_____ TUNNEL; OTHER _____

F) WILL CONSTRUCTION BE BY AN OUTSIDE CONTRACTOR? _____ YES; _____ NO;

G) DISTANCE FROM CENTER LINE OF TRACK TO NEAR FACE OF BORING AND JACKING PITS WHEN MEASURED AT RIGHT ANGLES TO THE TRACK _____ (30' MIN.)

FOR **RAILROAD REPRESENTATIVE** USE

RAILROAD_____MP_____

SUBDIVISION_____E.S._____

_____, IOWA

(NEAREST STATION) (COUNTY) (STATE)

PHONE:_____RR FILE NO._____

E-MAIL_____

FOR **UTILITY REPRESENTATIVE** USE

UTILITY_____DATE:_____

ADDRESS_____

BY_____PHONE_____

E-MAIL_____

TO BE COMPLETED BY **SMALL UTILITY** AS DEFINED IN THE IUC RULES

I CERTIFY THAT THIS UTILITY QUALIFIES AS A SMALL UTILITY UNDER IOWA UTILITIES COMMISSION RULE 199 IAC 42.1.

SIGNED_____DATE_____

GUIDELINES TO IOWA FLAMMABLE PIPELINE CROSSING

1. Horizontal distances, in cross section AB on the Specification Exhibit, to be measured at right angles from centerline of track, except as noted.

2. Allowable fixed objects include: back walls of bridges, centerline of road crossings and overhead viaducts (give road name), or centerline of culverts.

3. Installation shall be in accordance with Iowa Utilities Commission Rule 199 IAC 42.7.

4. Steel Casing Wall Thickness Chart:

Minimum Thickness		Diameter of Casing Pipe
0.2500”	1/4”	12” or less
0.3125”	5/16”	Over 12” – 18”
0.3750”	3/8”	Over 18” – 22”
0.4375”	7/16”	Over 22” – 28”
0.5000”	1/2”	Over 28” – 34”
0.5625”	9/16”	Over 34” – 42”
0.6250”	5/8”	Over 42” – 48”

   or American Railway Engineering and Maintenance Right-of-Way Association (AREMA) Manual for Railway Engineering, Chapter 1, Part 5, Table 1-5-5.

5. The form specifies that one or more available dimensions are requested, but providing additional dimensions will help the Railroad process the application more quickly.

6. It is recommended that the Railroad be contacted in advance for fiber optic cable and railroad signal locations.

7. For unusually large pipeline crossings that do not involve special circumstances, or for crossings where geotechnical study has identified potentially destabilizing soil conditions, the railroad company may require that a railroad representative be present during installation, and may also require the presence of a survey crew to monitor the tracks for any change in alignment.

8. Nearest Railroad Town means nearest town on the railroad in each direction. If not known, reference Iowa DOT Rail map at https://iowadot.gov/modes-travel/rail/freight-rail/freight-rail-maps.