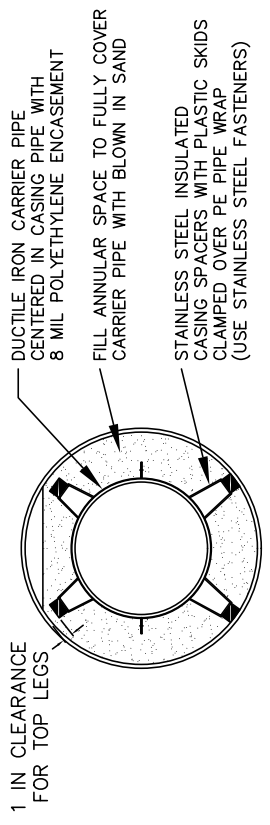


UTILITY CROSSING PROFILE

SIZE OF CARRIER	MJ BELL O.D.	MIN. CASING SIZE	MIN. WALL THICKNESS
6	11.12	18	0.250
8	13.37	20	0.281
12	17.88	24	0.312
16	22.50	30	0.406
20	27.00	36	0.469
24	31.50	42	0.500

- NOTES:
- CASING PIPE SHALL BE ASTM 252 WELDED STEEL (MIN. 35,000 PSI YIELD STRENGTH) COATED WITH BITUMINOUS ASPHALT COATING ACCORDING TO AWWA C104.
  - CASING SPACER SHALL BE STAINLESS STEEL EQUAL TO CASCADE WATERWORKS, ADVANCED PRODUCTS OR APPROVED EQUAL.
  - SPACERS SHALL BE DESIGNED FOR ALL POTENTIAL STATIC AND DYNAMIC LOADS ASSOCIATED WITH THE INSTALLATION; CARRIER PIPE OPERATION AND REMOVAL.
  - JACKED CASINGS SHALL NOT EXCEED 175 FEET IN LENGTH WITHOUT CITY APPROVAL. REFER TO PLANS FOR LENGTH OF CASING PIPE, BUT SHOULD EXTEND AT LEAST 15 FT. BEYOND THE CENTERLINE OF RAILROAD TRACKS AND AT LEAST 8 FT. BEYOND THE BACK OF ANY STREET CURB.
  - ADDITIONAL CONDITIONS FOR UTILITY CROSSINGS MAY BE REQUIRED BY THE OWNER OF THE FACILITY BEING CROSSED.
  - JOINT RESTRAINT MUST EXTEND AT LEAST 10 FEET BEYOND THE END OF THE CASING PIPE.



SECTION A-A

315 - STD CASING PIPE

315 - STD CASING PIPE.DWG 9/2016

H:\Cad\_Comm\Details Updated\0 - 300 - WATER\315 - Std Casing Pipe

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**ENGINEERING DIVISION  
 PUBLIC WORKS DEPARTMENT**

PLATE NAME:

**315 - Std Casing Pipe**

LAST REVISED: 9/16/2016

LAST REVISED BY: KBO