

- 3. FASTENERS 5/16 18 T-304 STAINLESS STEEL
- 4. LINER PVC, 0.90 THICK, 85-90 DUROMETER (ASTM D1706 61T)
  MAX. CONSTANT OPERATING TEMPERATURE 150 DEGREES (F)
  ELECTRICAL PROPERTIES (ASTM D149 61) 1380 V/min.
  RESISTANCE SALT SPRAY (ASTM B117) EXCELLENT
   ACIDS GOOD
- 5. RUNNERS ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE LOW COEFFICIENT OF FRICTION HIGH RESISTANCE TO ABRASION AND SLIDING WEAR TOUGHNESS UNDER IMPACT LOW DEFLECTION UNDER COMPRESSION DIELECTRIC INSULATION

CASCADE CASING SPACERS MODEL CCS AS MANUFACTURED BY CASCADE WATERWORKS MFG. OR APPROVED EQUAL

CASING SPECIFICATIONS					
WATER MAIN SIZE	CASING SIZE	CASING WALL THICKNESS			
20"	36"	0.750"			
16"	30"	0.688"			
12"	24"	0.688"			
8"	16"	0.500"			
6"	12"	0.500"			

### WATER MAIN CASING

NOT TO SCALE

# CENTERED AND RESTRAINED SECTION A-A

#### NOTES:

- 1. TRACER WIRE SHALL BE INSTALLED THROUGH CASING WITH LOCATION STATION AT EACH END, SEE DETAIL SA-406
- 2. 5.0' MINIMUM COVER MEASURED FROM SUB-GRADE TO TOP OF CASING
- 3. SUBMIT SHOP DRAWINGS TO THE CITY ENGINEERING DEPARTMENT FOR APPROVAL
- 4. ALL CHANGES TO MATERIALS OR MODIFICATIONS TO PLANS MUST BE PRE-APPROVED BY THE CITY ENGINEERING DEPARTMENT
- 5. RECORD DRAWING SHALL INCLUDE ELEVATION AT EACH END OF THE PIPE AND CASING, LOCATION OF EACH OF THE CASING, CASING LENGTH, SIZE, TYPE, A PROFILE DRAWING OF THE CASING CONTAINING THE ABOVE INFORMATION. INCLUDE ANY SPECIAL CONDITIONS OR NOTES

PAGE 1 OF 2

## The City Of Goshen

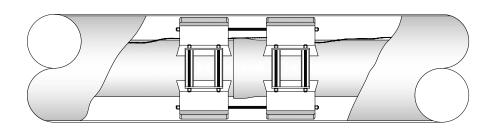
Department of Public Works & Safety Office of Engineering

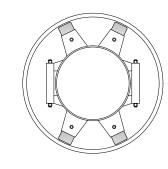
204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions						
03/27/2025						

CITY OF GOSHEN, INDIANA STANDARD DETAIL

٦	Drafted By:	Approved By:
١	J. Hoffman	D. Sailor, P.E.
ı	Drawing Number:	
ı	WA.	-107





# WATER MAIN CASING WITH RESTRAINED CASING SPACERS

NOT TO SCALE

The City Of Goshen

Department of Public Works & Safety Office of Engineering

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528 Phone: 574-534-2201 Fax: 574-533-8626 Web: goshenindiana.org

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CITY OF GOSHEN, INDIANA STANDARD DETAIL PAGE 2 OF 2

Approved By:

D. Sailor, P.E.

Drawing Number: WA-107