



Weaver

CONSTRUCTION MANAGEMENT

3679 S Huron Street, Suite 404 Englewood, Colorado 80110

Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

August 15, 2012

Submittal No: 15150-001

Extremely Urgent

PROJECT: **Harold Thompson Regional WRF**
Birdsall Rd.
Fountain, CO 80817
Job No. 2908

ENGINEER: **GMS, Inc.**
611 No. Weber St., #300
Colorado Springs, CO 80903
719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
Sewage Disposal District**
901 S. Santa Fe Ave.
Fountain, CO 80817
719-382-5303 James Heckman

CONTRACTOR: **Mesa Plumbing**
Gary Cunningham
gcunninghamph@qwestoffice.net

SUBJECT: Hub & Spigot Cast Iron Soil Pipe for below slab at Operations Building.

SPEC SECTION: 15150: Sanitary Waste and Vent Pipe

PREVIOUS SUBMISSION DATES:

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver Construction Management and, unless indicated otherwise, has been found to be in conformance with the intent of the contract documents.

Contractor's Stamp:

Engineer's Stamp:

Date: 8/15/12

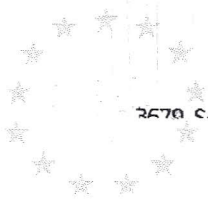
Reviewed by: John Jacob

(X) Reviewed Without Comments

() Reviewed With Comments

ENGINEER'S

COMMENTS: _____



3570 So. Mission St. Suite 104

Submittal Data

95014 - 01/11rev

Date

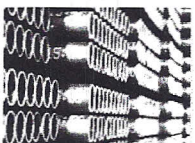
Project

Architect

Engineer

Contractor

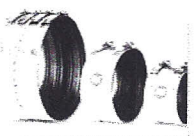
- Cast Iron No-Hub Pipe & Fittings*
- Cast Iron SV Hub & Spigot Pipe & Fittings*
- Anaco Standard Couplings*
- Husky SD-4000 Heavy-Duty Couplings*
- Husky HD-2000 Heavy Duty Couplings*
- BestSet Closet Rings*
- Ty-Seal and EZ-Tite Gaskets*



No-Hub Pipe and Fittings of 1-1/2" to 15" diameter. Soil waste, vent lines, rain water conductors and storm drainage lines shall be NSF Certified compliant and bear the registered insignia of the Cast Iron Soil Pipe Institute indicating that these items comply with CISPI Standard 301 or Federal Specification WW-P-401/E74, and ASTM 888, as manufactured by AB&I. IAPMO File No. 3270.



SV Hub & Spigot Pipe and Fittings in sizes 2" to 15". Soil waste, vent lines, rain water conductors and storm drainage lines shall be NSF Certified compliant and bear the registered insignia of the Cast Iron Soil Pipe Institute indicating that these items comply with ASTM A-74 and HS-74. IAPMO File No. 3274.



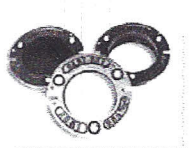
Anaco Standard Couplings shall be NSF Certified compliant with the Cast Iron Soil Pipe Institute Standard 310, with shields, clamps and screw assemblies comprised of Series 300 stainless steel. Gaskets shall contain genuine neoprene as the primary elastomer and shall comply with ASTM C-564, latest revision, as manufactured by Anaco. Couplings shall bear the trademarks of NSF, and UPC or IAPMO.



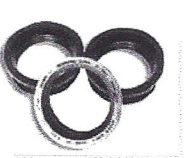
Husky SD-4000 Couplings shall be constructed from 304 stainless steel and provide a minimum shield thickness of 0.015" or greater. Shield shall be 3" wide for sizes 1-1/2" - 4", and 4" wide for sizes 5" - 10". Couplings shall have 4 sealing bands on sizes 1-1/2" - 4", and 6 sealing bands on 5" - 10" sizes. All bands shall require 80 in-lbs of torque. Gaskets shall contain genuine neoprene as the primary elastomer and shall comply with ASTM C-564. Couplings shall meet the requirements of Factory Mutual 1680 and ASTM 1277 standards. IAPMO Listed.



Husky HD-2000 Couplings shall be constructed from 304 stainless steel and provide a minimum shield thickness of 0.010" or greater. Shield shall be 3" wide for sizes 1-1/2" - 4", and 4" wide for sizes 5" - 10". Couplings shall have 4 sealing bands on sizes 1-1/2" - 4", and 6 sealing bands on 5" - 10" sizes. All bands shall require 80 in-lbs of torque. Gaskets shall contain genuine neoprene as the primary elastomer and shall comply with ASTM C-564. Couplings



BestSet Closet Rings are cast iron rings developed and manufactured by AB&I. The BestSet features a gasket comprised of neoprene as the primary elastomer which fills the space around the pipe and space between the pipe and closet ring. IAPMO File No. 3209.



Ty-Seal and EZ-Tite Gaskets in sizes from 2" to 15" shall comply with all requirements of ASTM C-564. IAPMO File No. 0391.

Sample Specs

AB&I is pleased to provide suggested wording for specifications to ensure that the DWV material specified truly



CISPI



CERTIFIED



IAPMO



100% Recycled



MADE IN USA



Suggested Specifications

Below Grade

All drain, waste, vent, sewer and storm lines shall conform to the requirements of CISPI Standard 301*, ASTM A 888* or ASTM A74*. Pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute or receive prior approval of the engineer.

Building or house sewers shall be of cast iron soil pipe and fittings from the building drain to the point of connecting with the city sewer or private disposal plant. All pipe and fittings shall conform to the requirements of CISPI Standard 301*, ASTM A 888* or ASTM A74*. Pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute or receive prior approval of the engineer.

Above Grade

All drain, waste, vent, sewer and storm lines shall conform to the requirements of CISPI Standard 301*, ASTM A 888* or ASTM A74*. Pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute or receive prior approval of the engineer.

Joints

- No-Hub Couplings shall conform to the CISPI 310* Standard and ASTM A1277.
- Heavy-Duty Couplings shall conform to the requirements of ASTM C1540.
- Compression Gaskets for Hub & Spigot shall conform to the requirements of ASTM Standard C 564* and ASTM C1563*.
- Joints for pipe and fittings shall conform to the manufacturer's installation instructions and local code requirements.

*Most current edition

**800.GOT.IRON
800.468.4766**

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Oakland, CA 94621
510/632-3467
Fax 510/632-8035

LA Service Center
15006 Nelson Avenue
City of Industry, CA 91744
800/356-IRON (4766)
Fax 626/333-8681

**Founding Member,
Cast Iron Soil Pipe Institute**

NSF Certified

**Made from 100%
Postconsumer Scrap Iron**

**The Foundry of the Future
Since 1906**



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SV Hub & Spigot Submittal

510020 07/11 rev

Date _____

Project _____

Architect _____

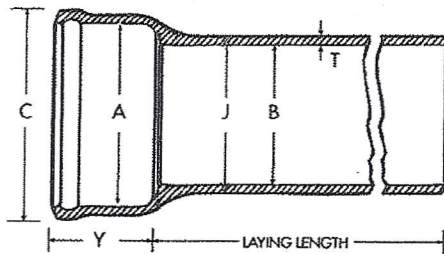
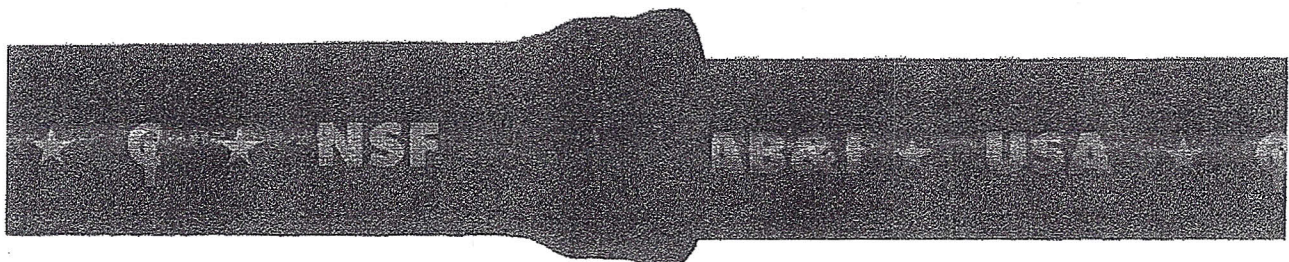
Engineer _____

Contractor _____

Cast Iron SV Pipe & Fittings System

For more detailed specifications of cast iron pipe and fittings, see the Cast Iron Soil Pipe Institute Pipe and Fittings Handbook, available online at www.abifoundry.com, or contact AB&I at 800-GOT-IRON (468-4766).

AB&I is a founding member of CISPI.



SV PIPE AND FITTINGS

Size	Y	A	C	J	B	T	MIN. T
2	2.50	2.94	3.62	2.30	1.96	0.17	0.14
3	2.75	3.94	4.68	3.30	2.96	0.17	0.14
4	3.00	4.94	5.68	4.30	3.94	0.18	0.15
5	3.00	5.94	6.68	5.30	4.94	0.18	0.15
6	3.00	6.94	7.68	6.30	5.94	0.18	0.15
8	3.50	9.25	10.13	8.38	7.94	0.23	0.17
10	3.50	11.38	12.44	10.50	9.94	0.28	0.22
12	4.25	13.50	14.56	12.50	11.94	0.28	0.22
15	4.25	16.95	18.11	15.88	15.16	0.36	0.33

Suggested Specification

All drain, waste, vent, sewer and storm lines shall be of cast iron soil pipe, fittings, and couplings, shall be NSF Certified and shall conform to CISPI HS-74, ASTM A 74, and ANSI A-112.5.1, latest editions. Pipe and fittings shall be marked with the collective trademarks of the Cast Iron Soil Pipe Institute and NSF International, and shall state the manufacturer's name, country of origin, and date of manufacture (for pipe), or receive prior approval of the engineer.



CISPI

CERTIFIED

IAPMO

100% RECYCLED

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