



SUBMITTAL
DIVISION: 22
NO.: 221413-01

Title: Storm Drainage Piping - Above Grade (DMV) Cast Iron Pipe and Fittings Product Data
Division: 22
No.: 221413-01
Contract No.: E6L38
LEAD Project No.: 18-04

PRIORITY: High

DESIGN TEAM REVIEW

Rev.	Description	Received	From	Sent	To	Returned	Forwarded	Status	Days Held
A	Storm Drainage Piping - Above Grade (DMV) Cast Iron Pipe and Fittings Product Data	04-Nov-19	KL	05-Nov-19	APCTE			OUT FOR REVIEW	

FDOT REVIEW

Rev.	Description	Received	From	Sent	To	Returned	Forwarded	Status	Days Held
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Review is for general conformance with the Contract Documents. Comments shall not be construed as relieving the supplier/subcontractor from strict compliance with such documents. The supplier/subcontractor remain responsible for details and accuracy, for complying with standards of the industry regarding fabrication, assembly, erection, and installation procedures.

☒ REVIEWED ☐ REVISED & RESUBMIT
☐ REVIEWED AS NOTED ☐ REJECTED

By: Joanna Flores Date: 11/05/2019

Walker

Project Submittal Number: _____

- ☒ No Exception Taken ☐ Make Corrections Noted
Resubmittal not Required
☐ Rejected ☐ Revise and Resubmit
☐ Submittal Not Required
No Review Performed

Drawings have been reviewed for design intent and general compliance with the information given in the contract documents. Deviations from contract documents shall be clearly identified and are not reviewed nor accepted unless identified. Contractor is responsible for dimensions, quantities, fabrication, processes, and techniques of construction, coordination of its work with that of all other trades and satisfactory performance of its work.

Date: 11/06/2019 By: JStirling

KL RECEIVED 11/7/2019



Submittal #92.0 22 1413 (PGTH) - STORM DRAINAGE PIPING (A&P)

Kaufman Lynn Construction, Inc.
3185 S. Congress Avenue
Delray Beach, Florida 33445
Phone: 561-361-6700
Fax: 561-361-6979

Project: 1074 - Golden Glades Multimodal Transportation Facility
SW Quadrant of the Golden Glades Interchange Miami-Dade
Florida

Storm Drainage Piping - Above Grade (DWV) Cast Iron Pipe and Fittings Product Data

SPEC SECTION:	22 1413 (PGTH) - STORM DRAINAGE PIPING (A&P)	SUBMITTAL MANAGER:	Tom Reeder (Kaufman Lynn Construction, Inc.)
STATUS:	Open	DATE CREATED:	11/4/2019
ISSUE DATE:	11/4/2019	REVISION:	0
RESPONSIBLE CONTRACTOR:	Integ Miami LLC	RECEIVED FROM:	Eduardo Pereira
RECEIVED DATE:	10/3/2019	SUBMIT BY:	02/3/2020
FINAL DUE DATE:	11/12/2019	LOCATION:	
SUB JOB:		COST CODE:	
		TYPE:	Product Data
APPROVERS:	Mario Rojas (A & P Consulting Transportation Engineers Corp.)		
BALL IN COURT:	Joanna Flores (Lead Engineering Contractors)		
DISTRIBUTION:	Claudio Werneck (Integ Miami LLC) , Carlos Teijeiro (Kaufman Lynn Construction, Inc.) , Tom Reeder (Kaufman Lynn Construction, Inc.) , Leonor Flores (Kaufman Lynn Construction, Inc.) , Albert Acevedo (Kaufman Lynn Construction, Inc.)		
DESCRIPTION:			
ATTACHMENTS:	#22 1413PG-1 Storm Drainage Piping - Above Ground_DWV_Cast Iron Pipe & Fittings Product Data - Submitted.pdf		

SUBMITTAL WORKFLOW

NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
Joanna Flores	Submitter		11/5/2019		Pending		
Mario Rojas	Approver		11/12/2019		Pending		

BY

DATE

COPIES TO

Submittal # #37



FO-INTEG-PROJECT-PO0001-REV.03 Gestión de Control de Calidad / Quality Management

Information

Status: In Review

Task/tareas condition

Legend



Overdue



Issue



On Time



Delayed Start



Inactive

Project (CDC) - Empresa/
COMPANY: Integ Miami LLC

Project (CDC) - CDC (Centro
de Costo) I-PLUMBING-GGTMF-021919

Project (CDC) - Customer
Name Kaufman Lynn Construction

Project (CDC) - Ubicacion 15890 Northwest 7th Avenue, Miami, Florida 33169

Submittal

Title: PIPE & FITTING CAST IRON DWV (ABOVE GRADE)

Spec Section: ~~SECTION 22-1005~~
SECTION 22-1413 PG

Description: PLUMBING PIPING ABOVE GRADE - ALL BUILDING

Submittal Type : Product Data

Submitted On: 03-10-2019

Responsible Contractor: Integ Miami LLC

Submittal Manager: Eduardo Pereira

Issue Date: 03-10-2019 12:00 AM

Final Due Date: 11-10-2019

Lead Time:

Ball in Court: Kaufman

Attachment

Attachment: 37 Submittal PIPE & FITTING CAST IRON HUBLESS Charlote.pdf

Linked Drawings:

Notes:

Stamp Info

Stamp Date: 03-10-2019

Other Name:

☐ Show Stamp on PDF:

Submittal logs

Add Submittal LOG

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL
 Project No. 1074 Submittal No. #22 1413PG-1
 - ✓ - Reviewed Make Corrections Noted
 Submit Specified Item
 Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Subcontractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques sequences of construction, coordination of his/her work with that of all trades, and the satisfactory performance of his/her work.
 DATE: 11/04/2019 BY: T. REEDER



Revision #	Date Submittal REV	Attachement Document:	Comments:
No submittal logs found			

Submittal Approval

☐ Approval

Name/Title:

Signature _____

Created on Sept. 18 at 12:57 PM (PDT). Last updated by pma@integca.com, [PMA](#) today at 7:26 AM (PDT). Owned by pma@integca.com, [PMA](#).

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL
 Project No. 1074 Submittal No. #22 1413PG-1

Reviewed ☒ Submit Specified Item

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Subcontractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques sequences of construction, coordination of his/her work with that of all trades, and the satisfactory performance of his/her work.

DATE: 11/04/2019 BY: T. REEDER

SUBMITTAL FOR CHARLOTTE PIPE[®] HUBLESS CAST IRON SOIL PIPE AND FITTINGS

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____



Scope:

This specification covers Hubless Cast Iron pipe, fittings, and couplings used in sanitary drain, waste and vent (DWV), sewer, and storm drainage applications. This system is intended for use in non-pressure applications.

Specification:

Hubless Cast Iron pipe and fittings shall be manufactured from gray cast iron and shall conform to ASTM A 888 and CISPI Standard 301. All pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute[®] and listed by NSF[®] International. Hubless Couplings shall conform to CISPI Standard 310, shall be manufactured in the United States, and be certified by NSF[®] International. Heavy Duty and Medium Duty couplings shall conform to ASTM C 1540, shall be manufactured in the United States, and shall be used if indicated.

Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry Company[®] and shall conform to all applicable plumbing, fire, and building code requirements. The system shall be hydrostatically tested after installation to 10 ft. of head (4.3 psi maximum). **WARNING!** Never test with or transport/store compressed air or gas in Cast Iron pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

Referenced Standards:

ASTM C 564: Rubber Gaskets for Cast Iron Soil Pipe and Fittings
 CISPI 301: Hubless Cast Iron Soil Pipe and Fittings
 CISPI 310: Hubless Couplings for Cast Iron Soil Pipe and Fittings
 ASTM C 1277: Hubless Couplings
 ASTM C 1540: Hubless Medium Duty and Heavy Duty Couplings

		Reviewed for general conformance to the contract documents. This review does relieve the vendor of the responsibility of making the work conform to the plans and the FDOT Design Standards.
Submittal #:	37	
CDC:	I-PLUMBING-GG-MTF-1919	
Job #:	424	
Reviewed by:	EDUARDO PEREIRA	
Date:	10/03/2019	
Vendor:	REVISION	
Product:	PIPE & FITTING CAST IRON DWV	
Description:	(ABOVE GRADE)	

1/4 Bend

1/8 Bend

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL
 Project No. 1074 Submittal No. #281413PG-1
 Reviewed _____ Make Corrections Noted _____
 DATE: 10/04/2019 BY: T. REEDER

Wye

Combination

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Any action shown is subject to the requirements of the plans and specifications. Subcontractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques sequences of construction, coordination of his/her work with that of all trades, and the satisfactory performance of his/her work.

San Tee

San Cross

Test Tee

Reducer

"P" Trap

Blind Plug

Figure Eight

Two-Way Cleanout

Not all fitting patterns shown

TABLE 1
DIMENSIONS AND TOLERANCES (IN INCHES) OF SPIGOTS
AND BARRELS FOR NO-HUB PIPE AND FITTINGS

Size	Inside Barrel Diameter	Outside Diameter Barrel	Outside Diameter Spigot	Width Spigot Bead N	Thickness of Barrel	Gasket Positioning Lug
	B	J	M	(± .13)	T-Nom. T-Min.	W
1 1/2	1.50 ± .09	1.90 ± .06	1.96 ± .06	.25	.16	.13
2	1.96 ± .09	2.35 ± .09	2.41 ± .09	.25	.16	.13
3	2.96 ± .09	3.35 ± .09	3.41 ± .09	.25	.16	.13
4	3.94 ± .09	4.38 ± .09	4.44 ± .09	.31	.19	.15
5	4.94 ± .09	5.30 ± .09	5.36 ± .09	.31	.19	.15
6	5.94 ± .09	6.30 ± .09	6.36 ± .09	.31	.19	.15
8	7.94 ± .13	8.38 ± .09	8.44 ± .09	.31	.23	.17
10	10.00 ± .13	10.56 ± .09	10.62 ± .09	.31	.28	.22
12	11.94 ± .09	12.50 ± .13	12.62 ± .13	.31	.28	.22
15	15.11 ± .09	15.83 ± .13	16.12 ± .13	.31	.36	.30

Note: Charlotte Pipe does not recommend or warrant installations joined with unshielded hubless couplings.

Charlotte Pipe and Foundry Company • P.O. Box 35430 Charlotte, NC 28235 • (800) 438-6091 • www.charlottepipe.com



CHARLOTTE

PIPE AND FOUNDRY COMPANY®

Certifications

This is to verify that products manufactured by Charlotte Pipe and Foundry, Cast Iron Division, are manufactured in the United States and conform to the following standards:

SERVICE HUB AND SPIGOT PIPE AND FITTINGS

All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI).
ASTM A 74
Listed by NSF® International to the UP Code
ISO 9001:2008 Certified

EXTRA HEAVY HUB AND SPIGOT PIPE AND FITTINGS

All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI).
ASTM A 74
Listed by NSF® International to the UP Code
ISO 9001:2008 Certified

HUBLESS PIPE AND FITTINGS

✓ All cast iron soil pipe and fittings shall be marked with the collective trademark of the Cast Iron Soil Pipe Institute (CISPI).
CISPI Standard 301
ASTM A 888
Listed by NSF® International to the UP Code
ISO 9001:2008 Certified

HUBLESS COUPLINGS

CISPI Standard 310
ASTM C 1277
Certified by NSF® International

HUBLESS HEAVY DUTY COUPLINGS

Meets ASTM C 1540

COMPRESSION GASKETS

ASTM C 564
CISPI HSN 85

Very truly yours,

Hooper Hardison, President

Notary Public
My commission expires July 02, 2022

TERRI L WILSON
NOTARY PUBLIC
UNION COUNTY, NC
My Commission Expires 7-2-2022

LC-CI (7-18-18)

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL

Project No. 1074 Submittal No. #22 1413PG-1

✓ Reviewed _____ Make Corrections Noted _____

Submit Specified Item

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DATE: 11/04/2019 BY: T. REEDER

