



SUBMITTAL
DIVISION: 15
NO.: 154000-01

Title: Plumbing Piping (Spec 22 1005) - Underground SCH 40 PVC
Pipe and Fittings Product Data

PRIORITY: High

Division: 15

No.: 154000-01

Contract No.: E6L38

LEAD Project No.: 18-04

DESIGN TEAM REVIEW

Rev. Description	Received	From	Sent	To	Returned	Forwarded	Status	Days Held
A Plumbing Piping (Spec 22 1005) - Underground SCH 40 PVC Pipe and Fittings Product Data	20-Sep-19	KL	24-Sep-19	APCTE			OUT FOR REVIEW	

FDOT REVIEW

Rev. Description	Received	From	Sent	To	Returned	Forwarded	Status	Days Held
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LEAD
ENGINEERING CONTRACTORS

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: 09/24/2019

Walker

Project Submittal Number: 154000-01A

- 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: 10/01/2019 By: JStirling

KL RECEIVED 10/2/2019



Submittal #53.0

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

Plumbing Piping (Spec 22 1005) - Underground SCH 40 PVC Pipe and Fittings Product Data

SPEC SECTION:	SUBMITTAL MANAGER: Tom Reeder (Kaufman Lynn Construction, Inc.)		
STATUS:	Open	DATE CREATED:	09/20/2019
ISSUE DATE:	09/20/2019	REVISION:	0
RESPONSIBLE CONTRACTOR:	Integ Miami LLC	RECEIVED FROM:	Eduardo Pereira
RECEIVED DATE:	09/20/2019	SUBMIT BY:	09/20/2019
FINAL DUE DATE:	09/27/2019	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:	Tom Reeder (Kaufman Lynn Construction, Inc.) , Leonor Flores (Kaufman Lynn Construction, Inc.) , Joanna Flores (Lead Engineering Contractors)		
DESCRIPTION:			
ATTACHMENTS:	#15400-1 Plumbing Piping - Underground SCH 40 PVC and Fittings Product Data - Submitted.pdf		

SUBMITTAL WORKFLOW

NAME	SUBMITTER/ APPROVER	SENT DATE	DU DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
Joanna Flores	Submitter		9/20/2019		Pending		
Mario Rojas	Approver		9/27/2019		Pending		

BY

DATE

COPIES TO



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

Information

Status: In Review

Task/tareas condition

Legend

Project (CDC) - Empresa/
COMPANY: Integ Miami LLCProject (CDC) - CDC (Centro
de Costo) I-PLUMBING-GGMTF-021919Project (CDC) - Customer
Name Kaufman Lynn Construction

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

Submittal

Title: PIPE & FITTING PVC DWV (UNDERGROUND)

Spec Section: SECTION 22 1005

Description: PLUMBING PIPING UNDERGROUND - ALL BUILDING

Submittal Type : Product Data

Submitted On: 12-09-2019

Responsible Contractor: Integ Miami LLC

Submittal Manager: Eduardo Pereira

Issue Date: 12-09-2019 12:00 AM

Final Due Date: 13-09-2019

Lead Time: 3

Ball in Court: Kaufman

Attachment

Attachment: 27 Submittal PIPE & FITTING PVC Charlotte.pdf

Linked Drawings:

Notes:

Stamp Info

Stamp Date: 12-09-2019

Other Name:

 Show Stamp on PDF:**Submittal logs**

Add Submittal LOG

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL		
Project No.	1074	Submittal No.
<input checked="" type="checkbox"/>	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, completion of his/her work with that of all trades, and the satisfactory performance of his/her work.		
DATE: 09/20/2019 BY: T. REEDER		



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

Submittal Approval

Approval

Name/Title:

Signature _____

Created on Sept. 12 at 11:26 AM (PDT). Last updated by pma@integca.com, [PMA](#) on Sept. 13 at 2:11 PM (PDT). Owned by pma@integca.com, [PMA](#).

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL

Project No. 1074 Submittal No. #15400-1

* Reviewed _____ Make Corrections Noted _____

Submit Specified Item

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DATE: 09/20/2019 BY: T. REEDER

UNDERGROUND PVC PIPING FOR ALL BUILDINGS

SUBMITTAL FOR CHARLOTTE PIPE®
PVC SCHEDULE 40 SOLID WALL PIPE AND PVC DWV FITTING SYSTEM

Date: _____

Job Name: _____

Engineer: _____

Location: _____

Contractor: _____



Reviewed for general conformance to the contract documents. This review does not relieve the vendor of the responsibility of making the work conform to the plans and the FDOT Design Standards.

Submittal #:	27
CDC:	I-PLUMBING-GGMTF-021919
Job #:	424
Reviewed by:	EDUARDO PEREIRA
Date:	09/12/019
Vendor:	REVISION
Product:	PIPE & FITTING PVC SCH 40
Description:	(UNDERGROUND)

► Scope:

This specification covers PVC Schedule 40 solid wall pipe and PVC DWV fittings used in sanitary drain, waste and vent (DWV), sewer and storm drainage applications. This system is intended for use in non-pressure applications where the operating temperature will not exceed 140° F.

► Specification:

Pipe shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784. PVC Schedule 40 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785 and ASTM D 2665. Injection molded PVC DWV fittings shall conform to ASTM D 2665. Fabricated PVC DWV fittings shall conform to ASTM F 1866. All pipe and fittings shall be manufactured in the United States. All systems shall utilize a separate waste and vent system. Pipe and fittings shall conform to NSF International Standard 14.

► Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products or other aggressive chemical agents not compatible with PVC compounds. The system shall be hydrostatically tested after installation.

WARNING! Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

► Referenced Standards:

ASTM D 1784:	Rigid Vinyl Compounds
ASTM D 1785:	PVC Plastic Pipe, Schedule 40
ASTM D 2665:	PVC Drain, Waste and Vent Pipe and Fittings
ASTM D 2564:	Solvent Cements for PVC Pipe and Fittings
ASTM D 2321:	Underground Installation of Thermoplastic Pipe (non-pressure applications)
ASTM F 656:	Primers for PVC Pipe and Fittings
ASTM F 1668:	Procedures for Buried Plastic Pipe
ASTM F 1866:	Fabricated PVC DWV Fittings
NSF Standard 14:	Plastic Piping Components and Related Materials

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL
Project No. 1074 Submittal No. #15400-1

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 coordinated with the General Contractor. Subcontractor shall follow the 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: 09/20/2019 BY: T. REEDER



PVC Schedule 40 DWV Pipe

PVC Schedule 40 DWV Pipe



PVC SCHEDULE 40 (WHITE)		PLAIN END		PVC 1120		ASTM D 2665	
PART NO.	NOM. SIZE	UPC #	611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 7100*	1/4"x10'	03945	2120'	1.660	.140		42.4
PVC 7100*	1/4"x20'	03946	4240'	1.660	.140		42.4
PVC 7112*	1/2"x10'	03947	1650'	1.900	.145		51.8
PVC 7112*	1/2"x20'	03948	3300'	1.900	.145		51.8
PVC 7200*	2"x10'	03949	1110'	2.375	.154		69.5
PVC 7200*	2"x20'	03950	2220'	2.375	.154		69.5
PVC 7300*	3"x10'	03951	1040'	3.500	.216		144.2
PVC 7300*	3"x20'	03952	920'	3.500	.216		144.2
PVC 7400†	4"x10'	03953	600'	4.500	.237		205.5
PVC 7400†	4"x20'	03954	1340'	4.500	.237		205.5
PVC 7500†	5"x20'	04837	760'	5.563	.258		272.5
PVC 7600†	6"x10'	03955	330'	6.625	.280		361.2
PVC 7600†	6"x20'	03956	660'	6.625	.280		361.2
PVC 7800†	8"x10'	13087	180'	8.625	.322		543.6
PVC 7800†	8"x20'	03958	360'	8.625	.322		543.6
PVC 7910†	10"x20'	03959	220'	10.750	.365		770.7
PVC 7912†	12"x20'	03961	120'	12.750	.406		1019.0
PVC 7914†	14"x20'	04862	60'	14.000	.437		1205.0
PVC 7916†	16"x20'	04918	60'	16.000	.500		1575.7

* Dual Marked ASTM D 1785 & ASTM D 2665.

† Triple Marked ASTM D 1785 & ASTM D 2665 & ASTM F 480.

Not all fitting patterns shown

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

Charlotte Pipe and Charlotte Pipe and Foundry Company are registered trademarks of Charlotte Pipe and Foundry Company.

Product Certification



This is to certify that all Plastic Pipe and Fittings manufactured by Charlotte Pipe and Foundry Company are manufactured in the United States and conform to the following standards:

PVC SCH. 40 SOLID WALL PIPE

ASTM D 1784, ASTM D 1785, ASTM D 2665
FHA UM 79a
FEDERAL SPECIFICATION L-P-320a
NSF STANDARD 14 AND 61

PVC SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 4396, ASTM F 891
NSF STANDARD NO. 14

PVC SCH. 40 DWV FITTINGS

ASTM D 1784, ASTM D 2665, ASTM D 3311,
ASTM F1866
FHA UM 79a
FEDERAL SPECIFICATION L-P-320a
NSF STANDARD NO. 14

ConnecTite® PUSH-FIT DWV FITTINGS

ASME A112.4.4, IAPMO IGC 334
NSF STANDARD NO. 14

PVC SDR-21 AND SDR-26 PRESSURE PIPE

ASTM D 1784, ASTM D 2241
NSF STANDARD NO. 14 AND 61

PVC SCH. 40 PRESSURE FITTINGS

ASTM D 1784, ASTM D 2466
NSF STANDARD 14 AND 61

PVC SCH. 40 WELL CASING PIPE

ASTM D 1784, ASTM F 480
NSF STANDARD NO. 14 AND 61

PVC SCH. 80 PIPE

ASTM D 1784, ASTM D 1785
NSF STANDARD NO. 14 AND 61

PVC SCH. 80 FITTINGS

ASTM D 1784, ASTM D 2467
ASTM D 2464 ASTM F 1970
NSF STANDARD NO. 14 AND 61

PVC SDR 35 SEWER MAIN PIPE

ASTM D 1784, ASTM D 3034, SDR 35
ASTM D 3212, ASTM F 477

PVC SEWER AND DRAIN PIPE

ASTM D 1784, ASTM D 2729

PVC THIN WALL PIPE & FITTINGS

ASTM D 1784, ASTM D 2949
NSF STANDARD NO. 14

CPVC FLOWGUARD GOLD® CTS PIPE & FITTINGS

ASTM D 1784, ASTM D 2846
FHA UM-61a
NSF STANDARD NO. 14 AND 61
CSA LISTED ON SPECIFIED ITEMS

CPVC CHEMDRAIN® SCH. 40 PIPE & FITTINGS

ASTM D 1784, ASTM F 2618
NSF STANDARD 14

ABS SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 3965, ASTM F 628
NSF STANDARD NO. 14

ABS PLUS® SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 3965, ASTM D 4396, ASTM F 1488

ABS SCH. 40 DWV FITTINGS

ASTM D 3965, ASTM D 2661, ASTM D 3311
FHA UM 79a
FEDERAL SPECIFICATION L-P-322b
NSF STANDARD NO. 14

CHARLOTTE PIPE AND FOUNDRY COMPANY

KAUFMAN LYNN CONSTRUCTION - SUBMITTAL
Project No. 1074 Submittal No. #15400-1

Reviewed Make Corrections Noted

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DATE: 09/20/2019 BY: T. REEDER