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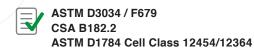
					D	ATE: 07/15	/2025
то: М	anuel Maldor	nado			A ⁻	TTENTION: [Manuel Maldonado
Archite	ct / Principal				RI	_{E:} Sewer	
	Melby Archite	 cts			IXI	L•	
	ling Ave. Un		rsfield CA	<u>A. 9</u> 3309	JC	DB NO: 203	7
WE ARE	SENDING YOU:						
\bowtie	Attached	☐ Maile	ed	Faxed	☐ Ha	and Delivered	
	Shop Drawings	Print	s	Plans	Sai	mples	
	Copy of Letter	Chan	ge Order	Other	∑ Sp	ecifications	
COPIES	DATE	NO.			DESC	RIPTION	
1	7/15/2025	3	Sewer				
THESE A	RE TRANSMITTEI For Approval & Execution For Your Use	Appr Subn	oved as nitted oved as	The second secon	14 Bernard S		/ Construction Managers field, CA 93305
	As Requested		rned for ections	No Exceptions Rejected No Action Requ		Interme	Make Correction Noted Revise and Resubmit dediate Submittal Required
	For Review & & Comment	Othe	r:	the project and	general cor	mpliance with	e with the design concept of the information given in the s subject to requirements of
	FOR BIDS DUE:						s responsible for dimensions d at the jobsite: fabrication,
REMARI	(S:			process and to	echniques of tisfactory pe	f construction: erformance of	coordination with all other their work. See attached
				$- \times B0$	5		8-4-25
							·····
COPY TO	D:		9	SIGNED: Jesse B	aeza, Project	t Manager	
				Yo	ur Name, Title		

Submittal Documents: Fletcher Elementary School Site Work

Overview	Bid Date: Bid Number:	06-05-2025 4218739	☐ Approved as Submitted☐ Approved as Noted☐ Returned for Corrections☐ Rejected
Customer	SWCONSTRUC 5303 WOODME BAKERSFIELD	ERE DR	Contact Nicholas
Contact	Sales Represe Sean McAllister Sean.McAllister (T): 661-658-60	@coreandmain.com	Core & Main 4920 Lisa Marie Ct Bakersfield CA 93313 (T): 6618341162

GravitySewer

NON-PRESSURE-RATED PVC PIPE



Gaskets: ASTM F477 Joints: ASTM D3212



MARKETS



Sewer

DESCRIPTION



GRAVITYSEWER

Ring-Tite Joint

- Flexible elastomeric Rieber® locked-in gasket provides a tight seal that protects and compensates for expansion, contraction, vibration or other movements.
- · Quick and easy to assemble with a simple push, there's no field mixing or application of cement.
- Meets or exceeds ASTM D3219 for joint tightness, including a 22-inch Hg vacuum and a 25-foot head pressure test.

Nominal Laying Length: 14/20 feet (Laying length tolerances are in accordance with ASTM and CSA standards)

Color: Green



CSA B182.2

SDR 35

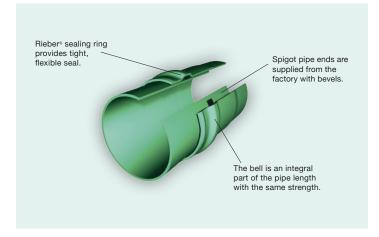
(PS 46)

ASTM D3034 TYPE PSM SIZES:

ASTM F679 SIZES:

4", 6", 8", 10", 12", 15"

18", 21", 24", 27", 30", 36", 42", 48"



ASTM D3034				
SDR 35	(PS 46)			
SDR 26	(PS 115)			

AS	STM F679	
	PS 46	
	PS 115	

BENEFITS



Lightweight, great for manual installation.

Field-cut with a power saw or handsaw; bevel without complicated machinery.

Does not need lining, wrapping, coating, or cathodic protection to prevent galvanic corrosion.





Unaffected by corrosive elements, sewer gas, sulfuric acid, alkaline, or acidic soils.

Resistance to abrasion, gouging and scouring.



NON-PRESSURE RATED PVC PIPE



SUBMITTAL AND DATA SHEET

ASTM D3034 TYPE PSM GRAVITY SEWER PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E. (IN)	APX. D ⁹ (IN)	APX. WGT (LBS/FT)
			SDR 35			
		PIPE S	STIFFNES	S: 46 psi		
4	4.215	3.975	0.120	3.75	4.695	1.05
6	6.275	5.915	0.180	2.37	6.995	2.36
8	8.400	7.920	0.240	5.00	9.360	4.24
10	10.500	9.900	0.300	6.25	11.700	6.64
12	12.500	11.780	0.360	6.50	13.940	9.50
15	15.300	14.426	0.437	7.50	17.048	14.19
			SDR 26			
		PIPE S	TIFFNESS	6: 115 psi		
4	4.215	3.891	0.162	3.75	4.863	1.40
6	6.275	5.793	0.241	2.37	7.239	3.11
8	8.400	7.754	0.323	5.00	9.692	5.63
10	10.500	9.692	0.404	6.25	12.116	8.84
12	12.500	11.538	0.481	6.50	14.424	12.56
15	15.300	14.124	0.588	7.50	17.652	18.90

ASTM F679 GRAVITY SEWER PIPE

PIPE SIZE (IN)	AVG. O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E. (IN)	APX. D ⁹ (IN)	APX. WGT (LBS/FT)
		PIPE S	STIFFNES	S: 46 psi		
18	18.701	17.564	0.536	7.37	20.845	21.43
21	22.047	20.707	0.632	8.25	24.575	29.88
24	24.803	23.295	0.711	9.12	27.647	38.96
27	27.953	26.254	0.801	10.00	31.157	49.47
30 CIOD	32.000	30.055	0.917	12.75	35.612	64.18
36 CIOD	38.300	35.972	1.098	13.87	42.816	93.00
42 CIOD	44.500	41.794	1.276	15.75	49.604	128.83
48 CIOD	50.800	47.713	1.456	16.62	56.624	168.31
		PIPE S	TIFFNESS	6: 115 psi		
18	18.701	17.174	0.720	7.37	21.581	28.49
21	22.047	20.247	0.849	8.25	25.443	39.83
24	24.803	22.776	0.956	9.12	28.627	50.74
27	27.953	25.669	1.077	10.00	32.261	64.78
30 CIOD	32.000	29.386	1.233	12.75	36.348	86.55
36 CIOD	38.300	35.173	1.475	13.87	45.438	125.35
42 CIOD	44.500	40.866	1.714	15.75	51.356	171.30
48 CIOD	50.800	46.651	1.957	16.62	58.628	223.92

Product Standard:

ASTM D3034 Type PSM (4"-15") ASTM F679 (18" - 48") CSA B182.2 (PS46, 4" - 21")

Pipe Compound: ASTM D1784 Cell Class 12454/12364

Gasket: ASTM F477

Integral Bell Joint: ASTM D3212 Nominal Laying Length: 14/20 feet

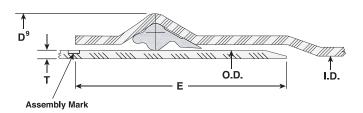
(Laying length tolerances are in accordance with ASTM and/or CSA stan-

dards.)

Installation: JM Eagle $^{\infty}$ Gravity Sewer Installation Guide. Manning Coefficient (n) = 0.009

Hazen-Williams Coefficient (c) = 150

*Please call prior to order regarding availability.



I.D.: Inside Dameter O.D.: Outside Diameter

Minimum Wall Thickness

D9: Bell Outside Diameter

Distance between Assembly Mark and the end of the spigot.







This information may have been updated. Please visit www.jmeagle.com for all updated information and warranty details.

CUSTOMER SERVICE: 1.800.621.4404

PRODUCT SELECTION CHART

PIPE PRESSURE RATINGS – XIRTEC140 PVC AND CORZAN CPVC

Sizes		IPEX schedule 40			IPEX Schedule 80			
Diameter	O.D.	Wall Thickness	I.D.	*Max. Pressure 73°F	Wall Thickness	I.D.	*Max. Pressure 73°F	
(in.)	(in.)	(in.)	(in.)	(psi)	(in.)	(in.)	(psi)	
1/4	.540	_	-	_	.119	.302	1,130	
3/8	.675	-	_	-	.126	.423	920	
1/2	.840	.109	.602	600	.147	.526	850	
3/4	1.050	.113	.804	480	.154	.722	690	
1	1.315	.133	1.029	450	.179	.936	630	
1-1/4	1.660	.141	1.360	370	.191	1.255	520	
1-1/2	1.900	.145	1.590	330	.200	1.476	470	
2	2.375	.154	2.047	280	.218	1.913	400	
2-1/2	2.875	.203	2.445	300	.276	2.290	420	
. 3	3.500	.216	3.042	260	.300	2.864	370	
4	4.500	.237	3.998	220	.337	3.786	320	
6	6.625	.280	6.031	180	.432	5.709	280	
8	8.625	.322	7.941	160	.500	7.565	250	
10	10.750	.365	9.976	140	.593	9.493	230	
12	12.750	.406	11.888	130	.687	11.294	230	
14	14.000	.438	13.072	130	.750	12.412	220	
16	16.000	.500	14.936	130	.843	14.224	220	
18	18.000	.562	16.809	130	.937	16.014	220	
20	20.000	.593	18.743	120	1.031	17.814	220	
24	24.000	.687	22.544	120	1.218	21.418	210	

Xirtec® PVC





Submittal Data Sheet



Job or Customer:	
Engineer:	
Contractor:	
Submitted by:	<u>_</u>
Approved by:	
Order No:	Date
Specification:	Date
Contractor: Submitted by: Approved by: Order No:	Date Date

< STANDARDS >



ASTM D1784 ASTM D1785 ASTM D2665 ASTM F480 ASTM D2466 ASTM D2467 ASTM D2464 ASTM D2241 ASTM F1970





NSF 14 NSF 61

Please see our listing on agency websites for NSF compliant pipe and fittings.

> www.nsf.org www.CSAgroup.org

PVC is the most frequently specified of all thermoplastic piping materials. It has been used successfully for over 60 years. PVC is characterized by distinctive physical properties, and is resistant to corrosion and chemical attack by acids, alkalis, salt solutions and many other chemicals. It is attacked, however, by polar solvents such as ketones and aromatics.

Of the various types and grades of PVC used in plastic piping, Type 1, Grade 1 PVC (Cell Classification 12454) conforming to ASTM D1784, is the most common. The maximum service temperature for PVC is 140°F (60°C), under pressure. PVC for drainage applications is also capable of handling near boiling temperatures for intermittent flow conditions. With a hydrostatic design basis of 4,000psi at 73°F (23°C) and a design stress of 2,000psi at 73°F (23°C), PVC has the highest long-term hydrostatic strength of any other major thermoplastic material used for piping.



ipexna.com Toll Free: 800 463-9572

₽Pacific Plastics

Potable Water Sch40 White Solvent Weld



Specification

Pacific Plastics IPS Schedule series of PVC pipe is produced for use in both the pressure and DWV applications in which the maximum operating temperature is 140°F. The compound is PVC 1120 Type 1 Grade 1, with a cell class of 12454B, per ASTM D1784.

Each one of the categories of our Schedule series listed below is produced in strict compliance to ASTM D1785. It is listed with NSF and complies with NSF/ANSI Standard 14 and Standard 61. The Sch40 White pipe is dual marked, so it can be used both for Pressure and DWV applications. The dual marked pipe conforms to ASTM D1785 and ASTM D2665.

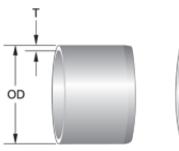
Sch40 pipe is installed per ASTM D2855. The joints should conform to ASTM D2672, the solvent cement to ASTM D2564 and the primer to ASTM F656.

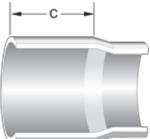
Our Schedule series of PVC pipe is produced in the following categories:

- White ASTM D1785 & ASTM D2665
- Sch40 for use in pressure and DWV applications
- Sizes 1/2" 12" are produced in White color, 20 foot lengths and Belled End
- Sizes 1/2", 3/4", 1" are marked for pressure applications
- Sizes 11/4"-12" are dual marked for pressure and DWV applications
- Sizes 1/2" 2" are also produced in 10 foot lengths Plain / Belled End
- The pipe is Dual marked with ASTM D1785 for use in potable water applications and with ASTM D2665 for use in the DWV applications.

The outside diameter and wall thickness of Sch40 pipe are measured in accordance to ASTM D2122 and are shown in the following tables:

Size	OD	Т	С	PSI
1/2	0.840	0.109	1.00	600
3/4	1.050	0.113	1.25	480
1	1.315	0.133	1.50	450
1 1/4	1.660	0.140	1.75	370
1 ½	1.900	0.145	2.00	330
2	2.375	0.154	2.25	280
2 ½	2.875	0.203	2.50	300
3	3.500	0.216	3.25	260
4	4.500	0.237	4.00	220
5	5.563	0.258	4.00	190
6	6.625	0.280	6.00	180
8	8.625	0.322	6.00	160
10	10.750	0.365	7.50	140
12	12.750	0.406	8.50	130





OD - Outside Diameter

T - Wall Thickness

C – Approximate Bell Depth

PSI – Pressure Rating

Certification

This is to certify that, in this category of PVC pipe, all the products manufactured by Pacific Plastics have been inspected, sampled and tested in accordance with the following specifications and have been found to meet or exceed the requirements of those specifications.

Raw Materials

- PVC1120 Type1 Grade1
- Cell Class 12454
- ASTM D1784 Specification for Rigid PVC Compounds
- NSF Listed

PVC Pipe

- Sch40 White (Pressure/DWV)
- Solvent Weld Belled End
- 1/2" 12" IPS
- 1/2", 3/4", 1" are marked for presure applications
- 1¼"-12" are dual marked for pressure and DWV applications
- ASTM D1785 Specification for PVC Pipe
- ASTM D2665 Specification for DWV Pipe
- ASTM D2672 Specification for IPS PVC Pipe Joints using solvent cement
- Complies with NSF / ANSI Standard 14
- Complies with NSF / ANSI Standard 61

Part Numbers

Price List

Click here for Price List

Loading Chart

Click here for Loading Chart

Weights

Click here for Weights

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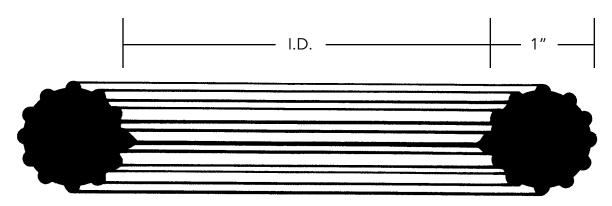
Developed by ATAREM.com



MANHOLE STOP RINGS

TO BE USED WITH PVC THAT GOES INTO A MANHOLE AND IS CEMENTED IN PLACE. OUR MANHOLE STOP RINGS ARE MOLDED, NOT EXTRUDED.

ILLUSTRATION



SIZE & TYPE	PART NO.	PCS/BOX	I.D.
1" MANHOLE STOP RING	102675	125	4
6" MANHOLE STOP RING	102700	75	5-7/8
O WANTOLL STOL KING	102725	50	8-3/4
10" MANHOLE STOP RING	102750	25	10-1/4
12" MANHOLE STOP RING	102775	25	12-1/4
14" MANHOLE STOP RING		_	13-3/8
15" MANHOLE STOP RING	102800	25	13-3/8
18" MANHOLE STOP RING	102830	25	16-3/4
20" MANHOLE STOP RING	102832	Spliced	20-5/8
21" MANHOLE STOP RING	102833	25	21
24" MANHOLE STOP RING	102836	20	23-3/4
27" MANHOLE STOP RING	102840	Spliced	26-1/2
30" MANHOLE STOP RING	102844	Spliced	30
36" MANHOLE STOP RING	102846	Spliced	38

Other sizes quoted on request.







TRENCH TOUGH PLUS™

SDR35 Gasketed Sewer Fittings

APPLICATIONS:

- Gravity Sewer Systems
- Stormwater and Drainage

SIZE RANGE:

Molded: 4" - 18" Fabricated: 18" - 60"

FEATURES:

- The widest size range of molded fittings (up to 18" diameter) available in the industry.
- · Locked in gaskets on molded fittings.
- Third party certified joints to withstand a minimum of 15 psi hydrostatic pressure and a -10.8 psi vacuum.
- Molded fittings are structurally reinforced to a heavier wall thickness at key areas to ensure maximum durability during installation and for the long term.
- Unsurpassed strength while maintaining flexibility and toughness.
- Proven track record of performance for over 60 years.

STANDARDS:



CSA B182.2: PSM type Polyvinyl Chloride (PVC) sewer pipe and fittings



ASTM F1336: Standard Specification for Polyvinyl Chloride (PVC) Gasketed Sewer Fittings **ASTM D3034:** Type PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings



NQ 3624-135: Unplasticized Polyvinyl Chloride (PVC-U) Pipe and Fittings

- Pipes of 200mm to 600mm in Diameter for Underground Sewage and Soil Drainage

Fernco Flexible Couplings

The industry standard for sewer, drain, waste & vent piping.

Specially formulated PVC compound positively seals any sewer and drain connection.



Tested designs backed by over four decades of proven performance.

- Positive seal against infiltration and exfiltration
- Leakproof and resistant to chemicals, ultraviolet rays, fungus growth, and normal sewer gases
- Conforms to ASTM D5926, C1173 and CSA B602
- Connects pipes of same or different sizes and materials quickly and easily
- Stainless steel clamps are corrosion-resistant and rustproof

Because of their quality and ease of installation, Fernco Flexible Couplings have found wide acceptance among sewer and plumbing contractors and municipalities. Fernco couplings are used for all types of in-house and sewer applications: drain waste, repairs, vent piping, house-to-main, cut-ins, conductor and roof drains and increasers-reducers.

Made of tough elastomeric polyvinyl chloride (PVC), they are strong, resilient and unaffected by soil conditions. They are also resistant to chemicals, ultraviolet rays, fungus growth, and normal sewer gases due to the inert nature and physical properties

of the material. And they are leakproof, rootproof and seal against infiltration and exfiltration.

The dimensional flexibility of Fernco couplings ensures leakproof seals on virtually any pipe material: plastic, cast iron, asbestos cement, clay, concrete, steel, copper and ductile iron. All couplings are clearly marked with part number, size, and pipe materials that the coupling will connect. Fernco makes fast delivery of stock items with no minimum order required. For special applications, our custom design service can supply couplings to individual customer requirements.



G05

CHRISTY®

COVER

Style: Flush Cast Iron Material: Model: 11" Dia. 14 lbs Weight:

Options: Special Markings

Surface: Skid Resistant & Marked*

Coefficient of

Friction: >0.6 ASTM 1028 Performance: H20, AASHTO

Cover comes standard with permanent markings for manufacturer, load rating, model size and manufacturing location.

BODY

Material: Reinforced Concrete with

Steel Frame

Model: 14" Dia. Weight: 58 lbs Wall Type: Straight Mouseholes: 0

Performance: H20, AASHTO

GRADE RING

Material: Cast Iron Grade Options: 1" Height

> 1-1/2" Height 2" Height

LOAD RATING / NOTES

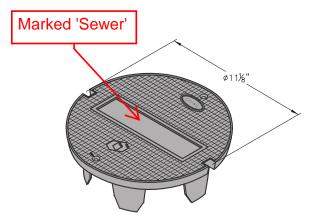


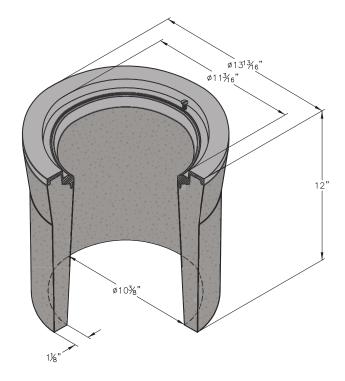
TRAFFIC RATED AASHTO H20

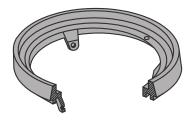
Actual load rating is determined by the box and cover combination.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

All information contained on this sheet is current at the time of publication. Oldcastle reserves the right to discontinue or update product information without notice.







Revision 05/05/21 © 2021 Oldcastle Infrastructure





Date:	GSPVC40-071
Job Name:	Location:
Engineer:	Contractor:

Scope:

This submittal covers Spears® PVC Schedule 40 solid wall pipe and PVC fittings intended for use in pressure applications where the application operating temperature does not exceed 140° F (63°C).

Product Specification:

All Spears® PVC Schedule 40 fittings shall be manufactured in the U.S.A. by Spears® Manufacturing Company from PVC Type I with a minimum cell classification 12454 in accordance with ASTM D1784. All injection molded PVC Schedule 40 white fittings shall be certified for potable water service by NSF International and manufactured in strict compliance to ASTM D2466. All fabricated schedule 40 fittings shall be produced in accordance with ASTM F1866 and Spears® General Specifications for Fabricated Fittings. Spears® PVC schedule 40 pipe and fittings shall be capable of withstanding a vacuum of twenty-six inches of mercury (Hg) at 73° F (23° C) when subjected to a one hour test with a leak factor of not more than one inch of Hg.

All Spears® PVC Schedule 40 pipe shall be manufactured in the U.S.A. by Spears® Manufacturing Company from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a minimum cell classification of 12454 in accordance with ASTM D1784. The Schedule 40 pipe shall be manufactured in strict compliance to ASTM D1785 consistently meeting and/or exceeding the quality assurance test requirements of these standards. All Spears® EverTUFF® pipe shall be manufactured in the U.S.A. and immediately wrapped for protection. The pipe shall be provided with plain ends in 20 foot cut lengths. All Spears® Schedule 40 pipe shall be certified by NSF International for potable water applications and marked accordingly.

Product Marking

All pipes shall be dual marked PVC schedule 40 and DWV and shall be marked with NSF $_{\odot}$ Listing, applicable ASTM Standard and applicable pressure @ 73° F. (23°C). PVC Schedule 40 Fittings shall be engraved with markings required by ASTM Standard and bear an NSF $_{\odot}$ Listing for potable water.

Installation:

Installation for Spears® PVC Schedule 40 systems shall comply with current installation instructions published by Spears® Manufacturing Company, established industry practices and all applicable code requirements. Buried pipe shall be in accordance with ASTM 2774 and ASTM F1668. The piping system shall be joined using a two-step solvent cement joining process with primer conforming to ASTM F656 and solvent cement conforming to ASTM D2564. The system shall be protected from ultra violet (UV) light exposure from the sun or other source and protected from any chemicals that are not compatible with the PVC materials including but not limited to fire stopping materials, plasticizers, incompatible thread sealants, etc.

NOTE: PVC piping systems are suitable for oil-free air handling to 25 psi, not for distribution of compressed air or gas.

Referenced Standards:

ASTM D1784 - Rigid Vinyl Compounds

ASTM D1785 - PVC Schedule 40, 80 & 120 Pipe

ASTM D2466 – PVC Schedule 40 Fittings

ASTM D2564 – Solvent Cements for PVC Pipe & Fittings

ASTM D2774 – Procedure for Buried Pressure Pipe

ASTM F656 - Primers for PVC Pipe & Fittings

ASTM F1668 - Procedures for Buried Plastic Pipe

ASTM F1866 – Fabricated PVC DWV Fittings

NSF International – Standard 14/61 Potable Water

Approvals:

NSF® – NSF International Standard 14/61 – Potable Water

Features:

Lightweight

Corrosion Resistant





Date:	GSPVC40-0718	
Job Name:	Location:	
Engineer:	Contractor:	

Scope:

This submittal covers Spears® PVC Schedule 40 solid wall pipe and PVC fittings intended for use in pressure applications where the application operating temperature does not exceed 140° F (63°C).

Product Specification:

All Spears® PVC Schedule 40 fittings shall be manufactured in the U.S.A. by Spears® Manufacturing Company from PVC Type I with a minimum cell classification 12454 in accordance with ASTM D1784. All injection molded PVC Schedule 40 white fittings shall be certified for potable water service by NSF International and manufactured in strict compliance to ASTM D2466. All fabricated schedule 40 fittings shall be produced in accordance with ASTM F1866 and Spears® General Specifications for Fabricated Fittings. Spears® PVC schedule 40 pipe and fittings shall be capable of withstanding a vacuum of twenty-six inches of mercury (Hg) at 73° F (23° C) when subjected to a one hour test with a leak factor of not more than one inch of Hg.

All Spears® PVC Schedule 40 pipe shall be manufactured in the U.S.A. by Spears® Manufacturing Company from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a minimum cell classification of 12454 in accordance with ASTM D1784. The Schedule 40 pipe shall be manufactured in strict compliance to ASTM D1785 consistently meeting and/or exceeding the quality assurance test requirements of these standards. All Spears® EverTUFF® pipe shall be manufactured in the U.S.A. and immediately wrapped for protection. The pipe shall be provided with plain ends in 20 foot cut lengths. All Spears® Schedule 40 pipe shall be certified by NSF International for potable water applications and marked accordingly.

Product Marking

All pipes shall be dual marked PVC schedule 40 and DWV and shall be marked with NSF $_{\odot}$ Listing, applicable ASTM Standard and applicable pressure @ 73° F. (23°C). PVC Schedule 40 Fittings shall be engraved with markings required by ASTM Standard and bear an NSF $_{\odot}$ Listing for potable water.

Installation:

Installation for Spears® PVC Schedule 40 systems shall comply with current installation instructions published by Spears® Manufacturing Company, established industry practices and all applicable code requirements. Buried pipe shall be in accordance with ASTM 2774 and ASTM F1668. The piping system shall be joined using a two-step solvent cement joining process with primer conforming to ASTM F656 and solvent cement conforming to ASTM D2564. The system shall be protected from ultra violet (UV) light exposure from the sun or other source and protected from any chemicals that are not compatible with the PVC materials including but not limited to fire stopping materials, plasticizers, incompatible thread sealants, etc.

NOTE: PVC piping systems are suitable for oil-free air handling to 25 psi, not for distribution of compressed air or gas.

Referenced Standards:

ASTM D1784 - Rigid Vinyl Compounds

ASTM D1785 - PVC Schedule 40, 80 & 120 Pipe

ASTM D2466 – PVC Schedule 40 Fittings

ASTM D2564 – Solvent Cements for PVC Pipe & Fittings

ASTM D2774 – Procedure for Buried Pressure Pipe

ASTM F656 - Primers for PVC Pipe & Fittings

ASTM F1668 - Procedures for Buried Plastic Pipe

ASTM F1866 – Fabricated PVC DWV Fittings

NSF International – Standard 14/61 Potable Water

Approvals:

NSF® – NSF International Standard 14/61 – Potable Water

Features:

Lightweight

Corrosion Resistant





Date:	GSPVC40-0718	
Job Name:	Location:	
Engineer:	Contractor:	

Scope:

This submittal covers Spears® PVC Schedule 40 solid wall pipe and PVC fittings intended for use in pressure applications where the application operating temperature does not exceed 140° F (63°C).

Product Specification:

All Spears® PVC Schedule 40 fittings shall be manufactured in the U.S.A. by Spears® Manufacturing Company from PVC Type I with a minimum cell classification 12454 in accordance with ASTM D1784. All injection molded PVC Schedule 40 white fittings shall be certified for potable water service by NSF International and manufactured in strict compliance to ASTM D2466. All fabricated schedule 40 fittings shall be produced in accordance with ASTM F1866 and Spears® General Specifications for Fabricated Fittings. Spears® PVC schedule 40 pipe and fittings shall be capable of withstanding a vacuum of twenty-six inches of mercury (Hg) at 73° F (23° C) when subjected to a one hour test with a leak factor of not more than one inch of Hg.

All Spears® PVC Schedule 40 pipe shall be manufactured in the U.S.A. by Spears® Manufacturing Company from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a minimum cell classification of 12454 in accordance with ASTM D1784. The Schedule 40 pipe shall be manufactured in strict compliance to ASTM D1785 consistently meeting and/or exceeding the quality assurance test requirements of these standards. All Spears® EverTUFF® pipe shall be manufactured in the U.S.A. and immediately wrapped for protection. The pipe shall be provided with plain ends in 20 foot cut lengths. All Spears® Schedule 40 pipe shall be certified by NSF International for potable water applications and marked accordingly.

Product Marking

All pipes shall be dual marked PVC schedule 40 and DWV and shall be marked with NSF $_{\odot}$ Listing, applicable ASTM Standard and applicable pressure @ 73° F. (23°C). PVC Schedule 40 Fittings shall be engraved with markings required by ASTM Standard and bear an NSF $_{\odot}$ Listing for potable water.

Installation:

Installation for Spears® PVC Schedule 40 systems shall comply with current installation instructions published by Spears® Manufacturing Company, established industry practices and all applicable code requirements. Buried pipe shall be in accordance with ASTM 2774 and ASTM F1668. The piping system shall be joined using a two-step solvent cement joining process with primer conforming to ASTM F656 and solvent cement conforming to ASTM D2564. The system shall be protected from ultra violet (UV) light exposure from the sun or other source and protected from any chemicals that are not compatible with the PVC materials including but not limited to fire stopping materials, plasticizers, incompatible thread sealants, etc.

NOTE: PVC piping systems are suitable for oil-free air handling to 25 psi, not for distribution of compressed air or gas.

Referenced Standards:

ASTM D1784 - Rigid Vinyl Compounds

ASTM D1785 - PVC Schedule 40, 80 & 120 Pipe

ASTM D2466 – PVC Schedule 40 Fittings

ASTM D2564 – Solvent Cements for PVC Pipe & Fittings

ASTM D2774 – Procedure for Buried Pressure Pipe

ASTM F656 - Primers for PVC Pipe & Fittings

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NSF International – Standard 14/61 Potable Water

Approvals:

NSF® – NSF International Standard 14/61 – Potable Water

Features:

Lightweight

Corrosion Resistant



G05

CHRISTY®

COVER

Style: Flush Cast Iron Material: Model: 11" Dia. 14 lbs Weight:

Options: Special Markings

Surface: Skid Resistant & Marked*

Coefficient of

Friction: >0.6 ASTM 1028 Performance: H20, AASHTO

Cover comes standard with permanent markings for manufacturer, load rating, model size and manufacturing location.

BODY

Material: Reinforced Concrete with

Steel Frame

Model: 14" Dia. Weight: 58 lbs Wall Type: Straight

Mouseholes: 0

Performance: H20, AASHTO

GRADE RING

Material: Cast Iron Grade Options: 1" Height

> 1-1/2" Height 2" Height

LOAD RATING / NOTES

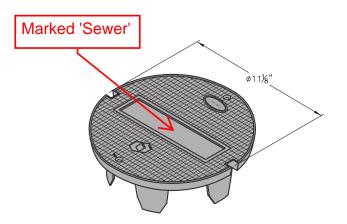


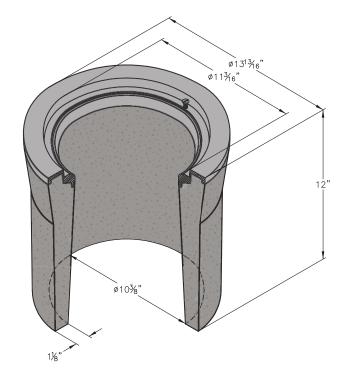
TRAFFIC RATED AASHTO H20

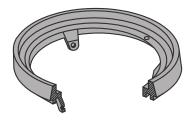
Actual load rating is determined by the box and cover combination.

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

All information contained on this sheet is current at the time of publication. Oldcastle reserves the right to discontinue or update product information without notice.







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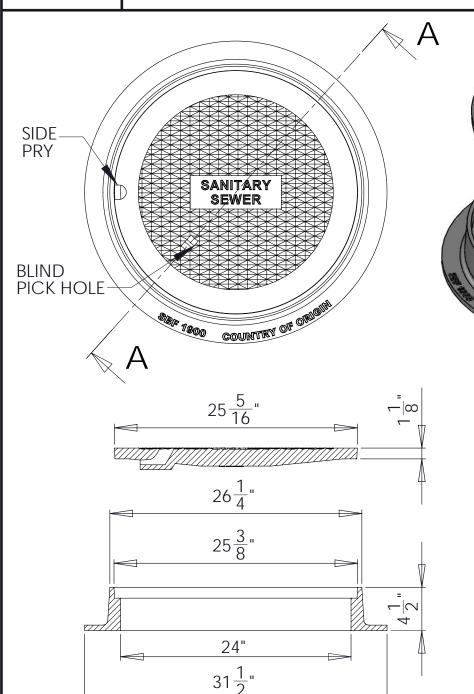
South Bay Foundry

WWW.SOUTHBAYFOUNDRY.COM

PHONE: (619) 956-2780 FAX: (619) 956-2788

SBF 1900 BPH

24" MANHOLE FRAME AND COVER **SANITARY SEWER**



SET WEIGHT				
FRAME	140 LB			
COVER	130 LB			
TOTAL	270 LB			

SECTION A-A

GENERAL INFORMATION

- *MATERIALS CONFORM TO ASTM A-48, CLASS 35B
 *FRAME AND COVER BEARING SURFACES MACHINED FOR CLOSE, QUIET FIT
 *CASTINGS ARE DIPPED IN BLACK BITUMINOUS PAINT
- *FRAME AND COVER EXCEEDS H-20 WHEEL LOADING

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BY:

TITLE:

AGENCY:

DATE: