Irrigation PI.P Ring-Tite

PRESSURE-RATED PVC PIPE

ASTM D2241 ASTM D1785 Cell Class 12454 Gasket: ASTM F477 Joint: ASTM D3139

MARKETS

Irrigation 🎝

Available Pipe Sizes

DESCRIPTION



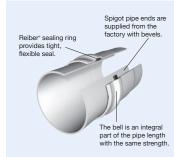
PIP: 6", 8", 10", 12", 15", 18", 21", 24", 27"

Nominal Laying Length: 20/22 feet (Laying length tolerances are in accordance with NRCS standards)

Color: Uhite

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.



ASTM	D2241
63 psi	DR 64
80 psi	DR 51
100 psi	DR 41
125 psi	DR 32.5

JM Eagle

DELIVERING GOOD WATER TO YOU

BENEFITS

Made in M America



FEATURES

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.

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

Consistency in carrying capacity (flow coefficient, C=150), for savings in pumping and material costs.

Irrigation PI.P Ring-Tite

PRESSURE-RATED PVC PIPE

SUBMITTAL AND DATA SHEET

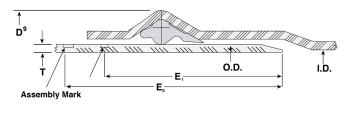


PIPE SIZE (IN)	AVERAGE O.D.						
	(IN)	NOM. I.D. (IN)	MIN. T. (IN)	AVG. E, (IN)	AVG. E ₂ (IN)	APPROX. D ^o (IN)	APPROX. WGT (LBS/FT)
		PRESSUR	E CLASS 1	25 psi (SD	R 32.5)∗		
		PI	PE STIFFN	ESS: 57 psi			
6	6.140	5.74	0.189	5.06	NA	6.90	2.40
8	8.160	7.63	0.251	5.77	NA	9.16	4.16
10	10.200	9.53	0.314	6.89	NA	11.46	6.53
12	12.240	11.44	0.377	7.27	NA	13.75	9.43
15	15.300	14.30	0.471	7.50	NA	17.18	14.86
18	18.701	17.48	0.575	7.12	7.67	21.00	22.27
21	22.047	20.61	0.678	7.88	8.67	24.76	31.03
24	24.803	23.19	0.763	8.47	9.67	27.86	41.06
27	27.593	26.12	0.860	9.41	10.67	31.41	51.41
				100 psi (SC	DR 41)*		
		PI	PE STIFFN	ESS: 28 psi			
6	6.140	5.82	0.150	5.06	NA	6.74	1.88
8	8.160	7.74	0.199	5.77	NA	8.96	3.23
10	10.200	9.67	0.249	6.89	NA	11.20	5.22
12	12.240	11.61	0.299	7.27	NA	13.44	7.54
15	15.300	14.51	0.373	7.50	NA	16.79	11.84
18	18.701	17.73	0.456	7.12	7.67	20.52	17.92
21	22.047	20.91	0.538	7.88	8.67	24.20	24.99
24	24.803	23.52	0.605	8.47	9.67	27.22	32.68
27	27.953	26.51	0.682	9.41	10.67	30.69	42.12
		PRESS	URE CLASS	80 psi (SDR			
		PI	PE STIFFNI	ESS: 14 psi			
6	6.140	5.89	0.120	5.06	NA	6.62	1.52
8	8.160	7.82	0.160	5.77	NA	8.80	2.69
10	10.200	9.78	0.200	6.89	NA	11.00	4.21
12	12.240	11.73	0.240	7.27	NA	13.20	6.08
15	15.300	14.66	0.300	7.50	NA	16.50	9.56
18	18.701	17.92	0.366	7.12	7.67	20.17	14.69
21	22.047	21.13	0.432	7.88	8.67	23.78	20.45
24	24.803	23.77	0.486	8.47	9.67	26.75	26.32
27	27.953	26.79	0.548	9.41	10.67	30.15	33.88
				63 psi (SDR			
			IPE STIFFN	ESS: 7 psi			
15	15.300	14.79	0.239	7.50	NA	16.26	7.76
18	18.701	18.08	0.292	7.12	7.67	19.87	11.26

Product Standard: ASTM D2241 Pipe Compound: ASTM D1785 Cell Class 12454 Gasket: ASTM F477 Integral Bell Joint: ASTM D3139 Nominal Laying Length: 20/22 feet (Laying length tolerances are in accordance with NRCS standards) Installation: JM Eagle[™] Irrigation Installation Guide

Manning Coefficient (n) = 0.009Hazen-Williams Coefficient (c) = 150

*Supply may vary based on plant location. Please call regarding availability. ** Please call for product and/or listing availability prior to order.



I.D.: Inside Dameter

- O.D.: Outside Diameter
- T: Wall Thickness
- D9: Bell Outside Diameter
- E1: Distance between 1st Insertion/ Assembly Mark to the end of spigot.
- E₂: Distance between 2nd Insertion/ Assembly Mark to the end of spigot. (for 18" and above only)



Lender Uni (Bell)

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

CUSTOMER SERVICE:1.800.621.4404



IPS PRESSURE/RING-TITE

MEETS ASTM D2241, ASTM D1784 CELL CLASS 12454; GASKETS MEET ASTM F477; JOINTS MEET ASTM D3139.

APPLICATIONS

JM Eagle's IPS Pressure is pipe suitable for use in rural water, and agricultural and turf irrigation pipelines, as well as gravity sewer, force main and water reclamation projects.

DESCRIPTION

JM Eagle's IPS Pressure PVC pipe is available in 1 $\frac{1}{2}$ - to 12-inch diameters, in SDR 64 (63 psi), SDR 41 (100 psi), SDR 32.5 (125 psi), SDR 26 (160 psi), SDR 21 (200) psi and SDR 17 (250 psi).

The standard laying length of IPS Pressure PVC water pipe is 20 feet. JM Eagle manufactures this pipe in blue for irrigation applications, purple for reclaimed water systems, and green for sewer force mains.

JM Eagle pipe comes with Ring-Tite joints. JM Eagle gaskets meet or exceed ASTM D3139 for joint tightness, including a 22-inch Hg vacuum for one hour, under deflection with no leakage.

BENEFITS

Due to its long laying lengths of 20 feet, IPS Pressure PVC water pipe reduces the cost of multiple joints and allows for more ground to be covered during installation. JM Eagle IPS Pressure pipe:

- Maintains performance against tuberculation, corrosion and external galvanic soil conditions without lining wrapping, coating or cathodic protection.
- Can be field-cut with a power saw or handsaw, eliminating the need to invest in costly cutting equipment.
- Maintains smooth interior over long years of service with virtually no loss in carrying capacity, allowing for savings in pumping costs, as well as savings on the size of the pipe required.



IPS PRESSURE/RING-TITE SUBMITTAL AND DATA SHEET

JM EAGLE'S RING-TITE JOINT OFFERS ADDITIONAL BENEFITS.

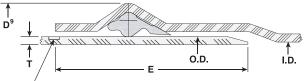
- Seated in a deep groove, the flexible elastomeric gasket provides a tight seal that protects the line from shock, vibration and earth movement, and compensates for expansion and contraction of the pipe lengths.
- · Quick and easy to assemble with a simple push, there's no field mixing or application of cement.
- The joint remains tight under normal operating conditions.

PIPE SIZE (IN)	AVERAGE O.D. (IN)	NOM. I.D. (IN)	MIN. T. (IN)	MIN. E (IN)	APPROX. D ⁹ (IN)	APPROX. WEIGHT (LBS/FT)
		Rat	ed 63 psi	(SDR 64)		
6	6.625	6.40	0.104	5.50	7.20	1.60
8	8.625	8.33	0.135	6.25	9.30	2.40
10	10.750	10.39	0.168	6.75	11.50	3.80
12	12.750	12.32	0.199	8.00	13.80	5.30
		Rate	d 100 psi	(SDR 41)*		
3	3.500	3.320	0.085	4.20	3.84	—
4	4.500	4.267	0.110	4.50	4.94	1.03
5	5.563	5.27	0.136	4.65	6.10	1.60
6	6.625	6.282	0.162	5.20	7.27	2.23
8	8.625	8.180	0.210	5.90	9.47	3.75
10	10.750	10.195	0.262	6.70	11.80	5.86
12	12.750	12.091	0.311	8.10	13.99	8.28
		Ratec	l 125 psi (SDR 32.5)	*	
1.5	1.900	1.773	0.060	3.45	2.14	
2	2.375	2.220	0.073	3.70	2.67	—
2.5	2.875	2.688	0.088	3.95	3.23	—
3	3.500	3.271	0.108	4.20	3.93	0.77
4	4.500	4.207	0.138	4.50	5.05	1.28
5	5.563	5.200	0.171	4.65	6.25	2.00
6	6.625	6.193	0.204	5.20	7.44	2.79
8	8.625	8.063	0.265	5.90	9.69	4.70
10	10.750	10.048	0.331	6.70	12.07	7.35
12	12.750	11.919	0.392	8.10	14.32	10.36
		Rated 1	60 psi (SD	R 26)* (G)	(P)	
1.5	1.900	1.745	0.073	3.45	2.19	0.28
2	2.375	2.182	0.091	3.70	2.74	0.44
2.5	2.875	2.642	0.110	3.50	3.32	0.64
3	3.500	3.214	0.135	4.10	4.04	0.95
4	4.500	4.133	0.173	4.50	5.19	1.58
5	5.563	5.109	0.214	4.65	6.42	2.40
6	6.625	6.084	0.255	5.20	7.65	3.44
8	8.625	7.921	0.332	5.90	9.95	5.85
10	10.750	9.874	0.413	6.70	12.40	9.12
12	12.750	11.711	0.490	8.10	14.71	12.89

		NOM.				APPROX.
PIPE SIZE (IN)	AVERAGE O.D. (IN)	I.D. (IN)	MIN. T. (IN)	MIN. E (IN)	APPROX. D ⁹ (IN)	WEIGHT (LBS/FT)
		Rate	d 200 psi (SD	R 21)* (G) (P)		
1.5	1.900	1.709	0.090	3.45	2.26	0.44
2	2.375	2.135	0.113	3.70	2.83	0.54
2.5	2.875	2.585	0.137	3.95	3.42	0.79
3	3.500	3.146	0.167	4.20	4.17	1.17
4	4.500	4.046	0.214	4.50	5.36	1.93
6	6.625	5.955	0.316	5.20	7.89	4.23
8	8.625	7.754	0.410	5.90	10.27	7.18
10	10.750	9.667	0.511	6.70	12.79	11.20
12	12.750	11.465	0.606	8.10	15.17	15.82
		Rate	d 250 psi (SD	R 17)* (G) (P)		
1.5	1.900	1.641	0.112	3.45	2.39	0.58
2	2.375	2.078	0.140	3.70	2.94	0.66
2.5	2.875	2.517	0.169	3.95	3.55	_
3	3.500	3.063	0.206	4.20	4.32	1.42
4	4.500	3.938	0.265	4.50	5.56	2.36
6	6.625	5.803	0.390	5.20	8.19	5.11
8	8.625	7.553	0.508	5.90	10.66	8.69
10	10.750	9.410	0.632	6.70	13.28	13.55
12	12.750	11.160	0.750	8.10	15.75	19.20

* Prior to ordering or specifying, consult JM Eagle[™] for product and/or listing availability. (G) Green pipe available in sizes 4"-12"

(P) Purple pipe available in sizes 2"-12"



Assembly Mark

Product Standard: Pipe Compound: Gasket: Integral Bell Joint: Certifications: Pipe Length: Installation: ASTM D2241 ASTM D1784 Cells Class 12454 ASTM F477 ASTM D3139 ANSI/NSF Standard 61 20 feet laying length JM Eagle[™] Installation Guide I.D. : Inside Dameter

O.D. : Outside Diameter

- T. : Wall Thickness D⁹ : Bell Outside Diameter
- D . Dell Outside Diameter

E : Distance between Assembly Mark to the end of spigot.

GravitySewer

NON-PRESSURE-RATED PVC PIPE

	ASTM D3034
-	ASTM D3034 CSA B182.2
	ASTM D1784 Cell Class 12454/12364

Gaskets: ASTM F477 Joints: ASTM D3212



MARKETS

Sewer

DESCRIPTION



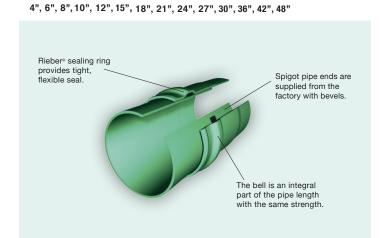
Ring-Tite Joint

GRAVITYSEWER

- 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.

Color: Green

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



ASTM D3034 TYPE PSM SIZES:

CSA B182.2			ASTM	D3034
SDR 35	(PS 46)		SDR 35	(PS 46)
			SDR 26	(PS 115)

BENEFITS





SUBMITTAL AND DATA SHEET

ASTM D3034 TYPE PSM GRAVITY SEWER PIPE

PIPE SIZE	AVG.	NOM.	MIN. T.	AVG. E.	APX. D9	APX. WGT			
(IN)	O.D. (IN)	I.D. (IN)	(IN)	(IN)	(IN)	(LBS/FT)			
	SDR 35								
		PIPE STI	FFNESS: 46 p	osi					
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			
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			

GRAVITY SEWER PIPE

PIPE SIZE	AVG.	NOM.	MIN. T.	AVG. E.	APX. D9	APX. WGT			
(IN)	O.D. (IN)	I.D. (IN)	(IN)	(IN)	(IN)	(LBS/FT)			
			SDR 26						
	PIPE STIFFNESS: 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			
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			

DELIVERING GOOD WATER TO YOU

Product Standard:

ASTM D3034 Type PSM (4"-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

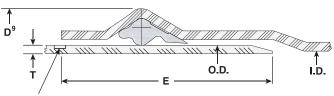
(Laying length tolerances are in accordance with ASTM and/or CSA standards.)

Installation: JM Eagle[™] Gravity Sewer Installation Guide.

Manning Coefficient (n) = 0.009

Hazen-Williams Coefficient (c) = 150

*Please call prior to order regarding availability.



Assembly Mark

- I.D.: Inside Dameter
- O.D.: Outside Diameter
- T.: Minimum Wall Thickness
- D⁹: Bell Outside Diameter
- E : Distance between Assembly Mark and the end of the spigot.





1¹/₂", 2", 3", 4", 6", & 8" Valterra Gate Valves

Inexpensive valve for industrial, agricultural, and commercial markets.

- Must provide a stable base, and installation using flexible couplers is recommended.
- Well suited as a drain valve to tanks.
- Attaches to SCH40 PVC pipe.
- Unrestricted flow.
- Quick opening.
- Trouble-free simplicity.
- 100% water tested at factory.
- Quick shutoff in low pressure or vacuum lines.
- Other sizes available.





WARNING: Cancer and Reproductive Harm—<u>www.P65Warnings.ca.gov/</u>

	Materials and Specifications							
1 ¹ / ₂ " 2" 3" 4" 6"/8"								
Color	White	White	White	White	White			
Hubs	PVC	PVC	PVC	PVC	PVC			
Body	PVC	PVC	PVC	PVC	ABS			
Shaft	304SS	304SS	304SS	304SS	304SS			
Paddle	Polypro	304SS	304SS	304SS	304SS			
Handle	Plastic	Plastic	Plastic	Die Cast Aluminum	304SS			
Seals	Sarlink	Sarlink	Sarlink	Sarlink	Sarlink			
Max PSI Open/Closed	30/45	20/40	15/15	15/15	6/10			

	Dimensions and Hub Depth								
1 ¹ /2" 2" 3" 4" 6" 8"									
Α	6.5"	7.5"	9.25"	13.25"	22.75"	22.75"			
В	8.625"	10.25"	13"	18"	31.125"	31.125"			
С	2.896"	3.37"	4.37"	6.665"	11.1"	11.1"			
D (Stub I.D.)	1.913"	2.387"	3.516"	4.518"	6.647"	8.655"			
E	3.9375"	4.5"	5.1875"	7.4375"	13.25"	12.1875"			
F	3.375"	3.5"	4.5"	5.1875"	11.125"	13.75"			
G	1.25"	1.6"	1.8"	1.7"	4.375"	5.67"			
Н	3.25"	3.25"	3.25"	3.25"	3.5"	3.5"			

"B" Dimension is height of valve in fully open position.

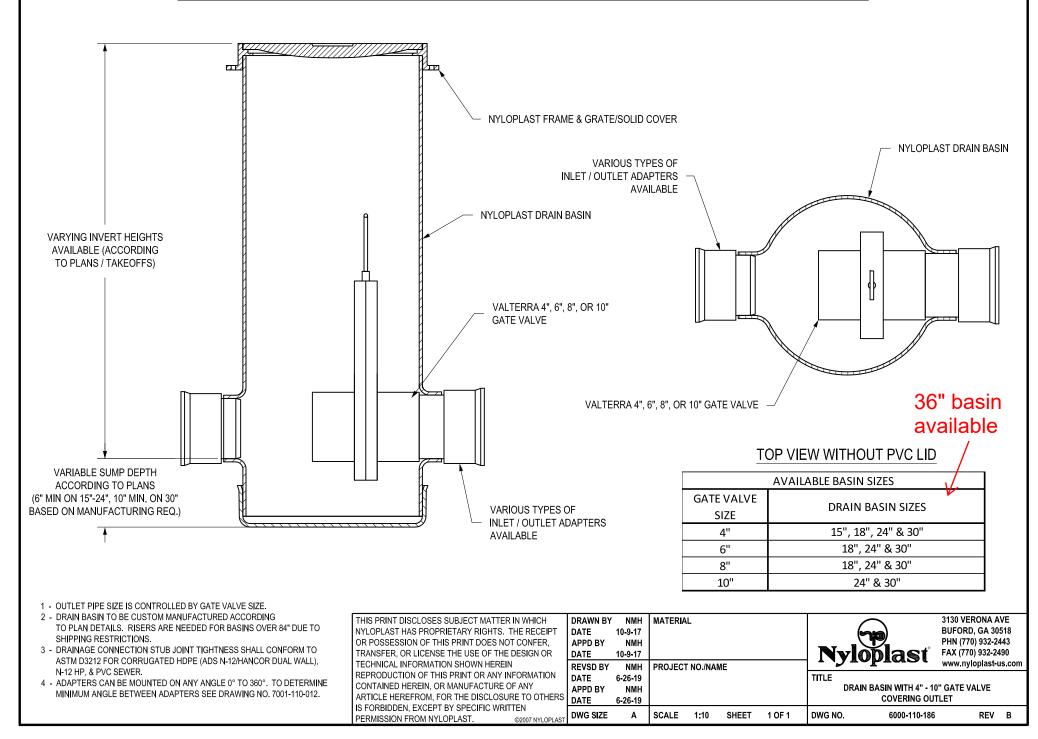
Extension Rods for Valterra Gate Valves

- Extension Rod for 1¹/₂"-4" Valve
 - Aluminum tube that easily threads onto valve shaft. Handle threads onto stub.
 - Available in 12", 24", 36", and 48" lengths.
- Extension Rod for 6"-8" Valve
 - Stainless steel rod with cotter pin(s) for assembly.
 Can attach multiple extensions together to achieve greater height.
 - Available in 12", 36", and 72" (two 36" pieces) lengths.

6" Valterra Gate Valve with Extension Rod



NYLOPLAST DRAIN BASIN WITH 4" - 10" GATE VALVE COVERING OUTLET ADAPTER



36" Drain Basin

The 36" (900 mm) Drain Basin is the newest member of the Nyloplast family of structures and was developed to handle larger pipe diameters, provide access, and meet structural performance standards for traffic applications. It is constructed with a watertight PVC body, water tight gasketed connections, and accepts a variety of ductile iron inlets and covers. With safety in mind, ease installation and long-term performance where joint integrity and soil migration are concerns, this light weight drain basin provides a cost effective solution to traditional concrete.

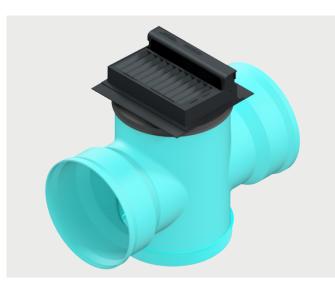
Applications

- 36" (900 mm) drain basin can be used in parking lots, roads, and green space applications
- Structures can be used anywhere that junction boxes, storm inlets, catch basins, curb inlets, and drop inlets are specified

Features

- Provides watertight connections for a wide range of pipe connection types and sizes up to 36" (900 mm) diameter. See minimum angle design chart
- Drain basin accepts a variety of 30" (750 mm) diameter drain basin covers and inlet grates
- Structures tested to meet H-20 traffic loading
- Materials provide long-service life, excellent abrasion and corrosion resistance
- Light weight structure constructed from PVC for easy installation

- Drain basins are built at plant to project specifications and are ready for field connections
- Drain basins allow access to storm detention and pipe collection systems
- Provides significant installed cost savings
- Design minimum pipe angles comparable to 60" (1500 mm) precast concrete drain basin
- Ladder option provides access to pipe collection system
- Installs three times faster than traditional precast
- Structures can be factory built with weirs and other flow control devices and deliver to jobsite ready to install





36" (900 mm) Drain Basin Specification

Scope

This specification describes the 36" (900 mm) Drain basin for use in underground stormwater applications.

Joint Properties

36" (900 mm) Drain basins shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.

Gaskets shall be made from material meeting the requirements of ASTM F477. Ductile iron used in the manufacture of the castings shall conform to ASTM A536 grade 70-50-05. Grates and covers shall be provided painted black.

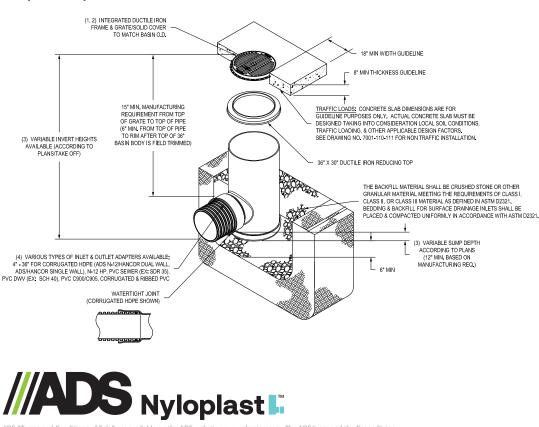
Performance

The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. Grates for drain basins shall be capable of supporting various wheel loads as specified by Nyloplast.

Installation

36" Drain basins shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of Class 1, Class 2, or Class 3 materials as defined in ASTM D2321. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with ASTM D2321. Contact Nyloplast Engineering in Buford, GA for installation recommendations.

36" (900 mm) Drain basin





adspipe.com 800-821-6710

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