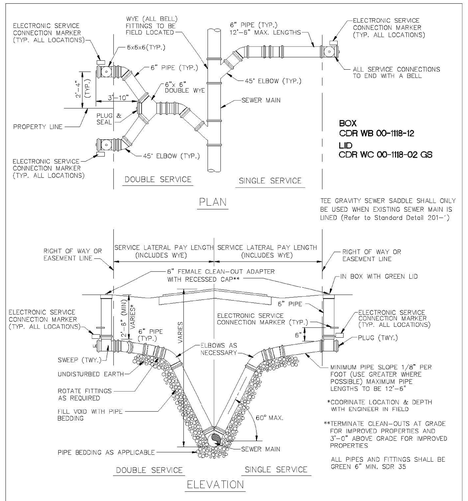
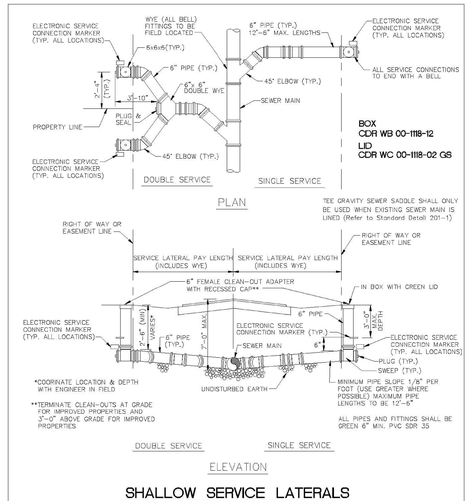


SERVICE LATERALS WITH RISERS

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SERVICE LATERALS
T.W.	11-2007		DATE: JUNE 2022
S.S.	01/27/12		DWG. NO. 200-1
S.S.	07/10/12		
S.S.	02/05/16	SCALE: N.T.S.	



SHALLOW SERVICE LATERALS

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SERVICE LATERALS
T.W.	11-2007		DATE: JUNE 2022
S.S.	01/27/12		DWG. NO. 200-2
S.S.	07/10/12		
S.S.	02/10/16	SCALE: N.T.S.	

INLET: GASKETED BELL - SDR 35 PVC

Base Casting is ASTM A-48 Class 30 Cast Iron
(Various Contours available to fit 8.275" – 30.00" O.D. Mains)

PVC Adapter is an ASTM D3034, SDR-35 Gasketed Bell

Adapter is cemented permanently in place with two-part urethane adhesive

Base of Saddle is dip-coated in a Waterbased Bituminous Coating

Strap is 24 ga. x 2.5" wide Type 304 Stainless Steel

Strap Pins are .75" dia. Type 303 Stainless Steel

T-Bolts are .375" – 16 Type 304 Stainless Steel

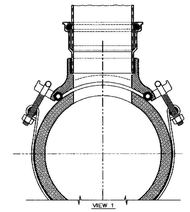
Nuts and Washers are Type 18-8 Stainless Steel

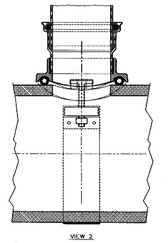
O-Ring is ASTM C-361-77 Tubular Polyisoprene

4" inlet requires a 4" dia. Tap in the Sewer Main

6" inlet requires a 6" dia. Tap in the Sewer Main (Sewer Main must be at least 8" dia.)

Note: This Dwg. supercedes Dwg. No. R-3408-02





TEE GRAVITY SEWER SADDLE

TO BE USED WHEN A SEWER MAIN HAS BEEN LINED WITH A CURED IN PLACE MATERIAL.

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TEE GRAVITY SEWER SADDLE
S.S.	11/23/16		DATE: MAY 2022
			DWG. NO. 201-1
		SCALE: N.T.S.	

INLET: GASKETED BELL - SDR-35 PVC

Base Casting is ASTM A-48 Class 30 Cast Iron
(Various Contours available to fit 8.275" – 30.00" O.D. Mains)

PVC Adapter is an ASTM D3034, SDR-35 Gasketed Bell

Castings and Adapter cemented permanently in place with two-part urethane adhesive

Base of Saddle dip-coated in Waterbased Bituminous Coating

Strap is 24 ga. X 2.5" wide Type 304 Stainless Steel

Strap Pins are .75" dia. Type 303 Stainless Steel

T-Bolts are .375" – 16 Type 304 Stainless Steel

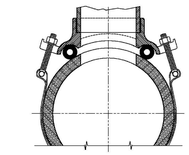
Nuts and Washers are Type 18-8 Stainless Steel

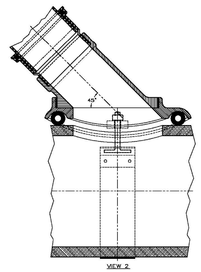
O-Ring is ASTM C-361-77 Tubular Polyisoprene

4" inlet requires a 4" x 6.50" oval tap in the Sewer Main

6" inlet requires a 6" x 9.25" oval tap in the Sewer Main (Sewer Main must be at least 8" dia.)

Note: This Dwg. supercedes Dwg. No. R-3157-01





WYE GRAVITY SEWER SADDLE

TO BE USED WHEN A SEWER MAIN HAS BEEN LINED WITH A CURED IN PLACE MATERIAL.

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	WYE GRAVITY SEWER SADDLE
			DATE: MAY 2022
			DWG. NO. 201-2
		SCALE: N.T.S.	

Adjustable Repair Coupling

NOTES

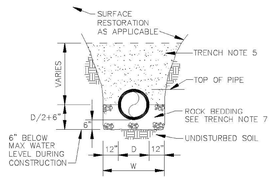
- Synthetic rubber gasket is strong, durable and resilient to ultraviolet rays, ozone, fungus growth and normal sewer gases. More pliable and easier to install in cold weather applications than an Elastomeric PVC gasket.
- Sealing "O" rings under the clamp prevent pipe slippage and create a more positive seal.
- More transition couplings for dissimilar pipe types and sizes are comprised of a one-piece transition gasket, eliminating the use of bushings that are difficult to install and easy to lose on the job site.
- Surgical Grade 316 stainless steel Nut & Bolt clamps are corrosion resistant, providing outstanding protection in severe environments such as marine applications, poorly aerated or moist soils, contaminated ground conditions (particularly industrial fill sites) and where the ground water contains chloride, sulfates or bicarbonates. Increased band tension of the Nut & Bolt clamp ensures a leak-proof, root-proof seal that is resistant to both infiltration and exfiltration.
- Series 300 stainless steel shear band is the heaviest in the industry, over 33% thicker than the competition.
- Broadest range of couplings on the market in sizes ranging from 1½" to 96" in diameter. Used for the alteration and rehabilitation of gravity-flow sewage pipes made of clay, cast iron, plastic, concrete, ductile iron, asbestos cement, fiber cement and truss pipe.

Specification:
Furnish and install stainless steel shielded sewer couplings, as manufactured by Mission Rubber Company. Coupling to meet ASTM C 1173. Gasket to meet ASTM C 425 Table 2, to be rubber and be environmentally certified. Series 300 stainless steel shear band with a minimum thickness of .012", surgical grade 316 stainless steel clamps with nut & bolt take up, shear ring and clamps to meet all requirements of ASTM A 240. All stainless steel parts and clamping mechanisms to be **manufactured in the U.S.A.** Transitional sizes to utilize a one piece gasket.

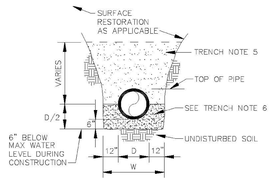
ADJUSTABLE REPAIR COUPLING PVC/CLAY NOTES

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	ADJUSTABLE REPAIR COUPLING
			DATE: MAY 2022
			DWG. NO. 202-1
		SCALE: N.T.S.	



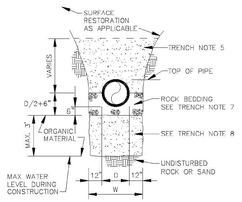
TRENCH BACKFILL / BEDDING CLASS " B "



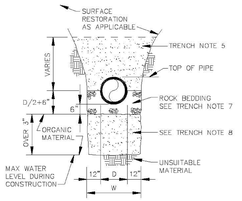
TRENCH BACKFILL / BEDDING CLASS " A "

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
S.S.	JUNE 2005		DATE: JUNE 2022
			DWG. NO. 203-1
		SCALE: N.T.S.	



TRENCH BACKFILL / BEDDING CLASS " C "



TRENCH BACKFILL / BEDDING CLASS " D "

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
S.S.	JUNE 2005		DATE: JUNE 2022
			DWG. NO. 203-2
		SCALE: N.T.S.	

Know what's below. Call before you dig.

BRYAN M. FARROW LICENSE No. 92416 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Digitally signed by Bryan Farrow
DN: c=US, o=Winningham and Fradley, dnQualifier=A01410D0000019174FFA08D00029AAD, cn=Bryan Farrow
Date: 2025.04.16 16:33:55 -04'00'

NO.	REVISIONS	DATE

CITY OF POMPANO BEACH

STANDARD SEWER DETAILS

PALM AIRE TENNIS CENTER

RWB / LINARES ARCHITECTURE

WINNINGHAM & FRADLEY
ENGINEERS • PLANNERS • SURVEYORS
2294 NW 64TH STREET • OAKLAND PARK, FL 33334
OFFICE: 954.771.0268 • fax: 954.771.0298 • www.winnfrad.com

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DRAWN: AMF	DATE: 10/2024	PROJECT NUMBER 22036
CHECKED: BMP	DATE: 10/2024	SHEET SD1 OF 2

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03/05/2025

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