



ENGINEERING STANDARDS 2025				
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	SERVICE LATERALS	
BY	DATE			
T.W.	11-2007			
S.S.	07/27/12			
S.S.	07/01/12			
S.S.	02/05/16			
SCALE: N.T.S.			DATE: JUNE 2022 DWG. NO: 200-1	



ENGINEERING STANDARDS 2025			
REVISONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	SERVICE LATERALS
BY	DATE		
T.W.	11-2007		
S.S.	01/27/12		
S.S.	07/10/12		
S.S.	02/10/16		
SCALE: N.T.S.		DATE: JUNE 2022	DWG. NO. 200-2

INLET: GASKETED BELL - SDR 35 PVC

Note: This Dwg. supercedes Dwg. No. R-3408-D2

TEE GRAVITY SEWER SADDLE

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

ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	TEE GRAVITY SEWER SADDLE
BY	DATE		
S.S.	11/23/16		
SCALE: N.T.S.			DATE: MAY 2022 DWG. NO. 201-I



WYE GRAVITY SEWER SADDLE

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

ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	WYE GRAVITY SEWER SADDLE
BY	DATE		
SCALE: N.T.S.			DATE: MAY 2022 DWG. NO. 201-2



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 Elasticomeric 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 performance 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 trust 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 clamp 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 as one piece gasket.

ADJUSTABLE REPAIR COUPLING PVC/CLAY NOTES

ENGINEERING STANDARDS 2025		
REVISIONS BY DATE		ADJUSTABLE REPAIR COUPLING DATE: MAY 2022 DWG. NO. <div style="text-align: right; font-size: 1.5em;">202-1</div>
ENGINEERING DIVISION CITY OF POMPANO BEACH SCALE: N.T.S.		



ENGINEERING STANDARDS 2025			
REVISONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
BY	DATE		
S.S.	JUNE 2009		
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 203-1



ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION CITY OF POMPAÑO BEACH	TRENCH BACKFILL / BEDDING
BY	DATE		
S.S.	JUNE 2005		
SCALE: N.T.S.			DATE: JUNE 2022 DWG. NO. 203-2

4. OUTLINE OF TRENCH EXCAVATION IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL TRENCH WIDTH AND SHAPE WILL VARY WITH SOIL CONDITIONS. TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH THE "FLORIDA TRENCH SAFETY ACT" AND OSHA TRENCH SAFETY STANDARDS.
2. TYPICAL TRENCH BACKFILL/BEDDING FOR WATER MAIN AND FORCE MAIN INSTALLATIONS SHALL BE CLASS "A" AS SHOWN IN DETAIL.
3. TYPICAL TRENCH BACKFILL/BEDDING FOR GRAVITY SEWER INSTALLATION SHALL BE CLASS "B" AS SHOWN IN DETAIL.
4. TRENCH BACKFILL/BEDDING CLASS "C" AND CLASS "D" SHALL BE USED FOR PIPE INSTALLATIONS WHERE UNSTABLE TRENCH MATERIALS ARE ENCOUNTERED.
5. TRENCH ZONE BACKFILL SHALL BE MATERIAL TYPE 1 OR TYPE A THRU H, OR ANY MIXTURE THEREOF, WHERE SURFACE RESTORATION TYPE "A" IS APPLICABLE. TRENCH ZONE BACKFILL SHALL BE PLACED IN 12" LIFTS, COMPACTED TO 90% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-697 (AASHTO T-99), WHERE SURFACE RESTORATION TYPES "2", "3" AND "4" ARE APPLICABLE. TRENCH BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 98% OF THE MATERIAL'S DENSITY AS DETERMINED BY ASTM D-698 (AASHTO T-99).
6. BEDDING MATERIAL FOR TYPICAL WATER MAIN AND FORCE MAIN INSTALLATION SHALL BE TYPE 2 BEDDING SH-MA BE COMPACTED TO 88% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
7. BEDDING MATERIAL FOR TYPICAL GRAVITY SEWER INSTALLATION AND ANY INSTALLATION WHERE UNSUITABLE TRENCH BOTTOM CONDITIONS ARE FOUND, SHALL BE TYPE 2 BEDDING SH-MA BE PLACED IN LIFTS NOT TO EXCEED 6" AND COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
8. UNSUITABLE MATERIAL SHALL BE REMOVED TO UNDISTURBED ROCK OR SAND OR TO DEPTH AS SPECIFIED BY ENGINEER. BACKFILL MATERIAL SHALL BE TYPE 2 BEDDING SH-MA BE PLACED IN 8" LIFTS COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).

TRENCH BACKFILL / BEDDING NOTES

ENGINEERING STANDARDS 2025			
REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
BY	DATE		
SCALE: N.T.S.		DATE: <u>JUNE 2022</u> DWG. NO. 203-3	

FLYNN
ENGINEERING

241 COMMERCIAL BLVD., LAUDERDALE-BY-THE-SEA, FL 33308
PHONE: (954) 522-1004 | WWW.FLYNNENGINEERING.COM
EB# 6578

Sheet Title

SEWER DETAILS

1600 S FEDERAL HIGHWAY
(MIXED-USE PROJECT)

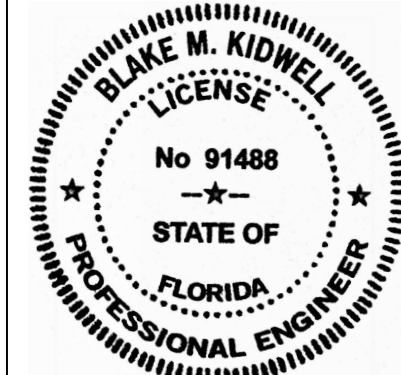
1600 S FEDERAL HIGHWAY

Job Title

Revisions

1		
2		
3		
4		
5		
6		
7		
8		

Phase:
PERMIT
DOCUMENTS



Scale: N.T.S.	Date 01/27/25
Job No. 24-1832.00	Plot Date 05/23/25
Drawn by BMK	Sheet No. C6.1
Proj. Mgr. BMK	
Appr. by BMK	— of —

This document has been digitally
signed and sealed by
Blake M. Kidwell on 05/27/2025.

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considered signed and sealed.