

# UTILITY DETAILS PLAN

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OWNER:  
**AutoZone, Inc.**  
123 S. FRONT STREET, 3rd FLOOR  
MEMPHIS, TENNESSEE 38103



PREPARED FOR:  
**AutoZone STORE DEVELOPMENT**  
Store No.: 6365  
3001 W. Atlantic Avenue  
Pompano Beach, FL 33069

UTILITY PLAN

SCALE: 1" = 20'-0"

## REVISIONS

NO.	DATE	DESCRIPTION
1.	2/7/20	CITY COMMENTS
2.		
3.		
4.		
5.		
6.		
7.		

ARCHITECT:  
DRAFTSMAN: CEH  
CHECKED BY:  
DATE: 11/17/15  
PROTOTYPE SIZE

**BACKFLOW PREVENTER**  
USE MEGALUGS AT ALL PIPE JOINTS 3" AND LARGER  
PLEASE SEE METER INSTALL DIMENSION LIST ON STANDARD NO. 106-4  
SMALL UNITS UN-STRUT SUPPORT

ENGINEERING STANDARDS 2019	
REVISIONS	BACKFLOW PREVENTER
BY DATE	ENGINEERING DIVISION
T.W. 04-2009	CITY OF POMPAÑO BEACH
S.S. 08-2009	
S.S. 11-2012	
S.S. 01-2015	
DATE: JUNE 1996	DWG. NO. 106-1
SCALE: N.T.S.	

**TYPICAL 1" WATER SERVICE**

ENGINEERING STANDARDS 2019	
REVISIONS	TYPICAL 1" WATER SERVICE
BY DATE	ENGINEERING DIVISION
T.W. 04-2009	CITY OF POMPAÑO BEACH
S.S. 11-2007	
S.S. 09-2012	
S.S. 11-2015	
DATE: JUNE 2004	DWG. NO. 107-1
SCALE: N.T.S.	

**SERVICE LATERALS WITH RISERS**

ENGINEERING STANDARDS 2019	
REVISIONS	SERVICE LATERALS
BY DATE	ENGINEERING DIVISION
T.W. 11-2007	CITY OF POMPAÑO BEACH
S.S. 01/22/12	
S.S. 07/19/14	
S.S. 10/09/16	
DATE: JUNE 1996	DWG. NO. 200-1
SCALE: N.T.S.	

**SHALLOW SERVICE LATERALS**

ENGINEERING STANDARDS 2019	
REVISIONS	SERVICE LATERALS
BY DATE	ENGINEERING DIVISION
T.W. 11-2007	CITY OF POMPAÑO BEACH
S.S. 01/22/12	
S.S. 07/19/14	
S.S. 10/09/16	
DATE: JUNE 1996	DWG. NO. 200-2
SCALE: N.T.S.	

**TEE GRAVITY SEWER SADDLE**  
TO BE USED WHEN A SEWER MAIN HAS BEEN LINED WITH A CURED-IN PLACE MATERIAL

ENGINEERING STANDARDS 2019	
REVISIONS	TEE GRAVITY SEWER SADDLE
BY DATE	ENGINEERING DIVISION
S.S. 11/29/16	CITY OF POMPAÑO BEACH
DATE: JAN 2012	DWG. NO. 201-1
SCALE: N.T.S.	

**INLET GASKETED BELL - SDR-35 PVC**  
Base Casting is ASTM A-48 Class 30 Cast Iron  
Service Connections are to be 4" or 6" (max) 12" max

ENGINEERING STANDARDS 2019	
REVISIONS	WYE GRAVITY SEWER SADDLE
BY DATE	ENGINEERING DIVISION
T.W. 04-2009	CITY OF POMPAÑO BEACH
S.S. 08-2009	
S.S. 11-2012	
S.S. 01-2015	
DATE: NOV 2016	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 1 1/2" 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 sheathed sewer couplings, as manufactured by Mason 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 2019	
REVISIONS	ADJUSTABLE REPAIR COUPLING
BY DATE	ENGINEERING DIVISION
T.W. 04-2009	CITY OF POMPAÑO BEACH
S.S. 11-2007	
S.S. 09-2012	
S.S. 11-2015	
DATE: JAN 2012	DWG. NO. 202-1
SCALE: N.T.S.	

**SEWER BOX AND COVER**

**NOTE**

- MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
- COLOR: GREEN
- LOAD RATING: A8 (ASTM C857)
- LOGO: SEWER

PRODUCT RATING - TRAFFIC				
LOAD DESIGNATION	DESCRIPTION	DESIGN LOADS	TESTING	
		LIVE (LBN/HEEL (L))	IMPACT (PSF (L))	SAFETY FACTOR
AASHTO HS	MEDIUM TRUCK TRAFFIC	12,000	15,600	N/A
				27,000 (S)
				2.25

ENGINEERING STANDARDS 2019	
REVISIONS	SEWER BOX AND COVER
BY DATE	ENGINEERING DIVISION
T.W. 04-2009	CITY OF POMPAÑO BEACH
S.S. 11-2007	
S.S. 09-2012	
S.S. 11-2015	
DATE: AUGUST 2007	DWG. NO. 210-2
SCALE: N.T.S.	

**TYPICAL SCREEN FOR UTILITIES**

ENGINEERING STANDARDS 2019	
REVISIONS	TYPICAL SCREEN FOR UTILITIES
BY DATE	ENGINEERING DIVISION
T.W. APRIL 2010	CITY OF POMPAÑO BEACH
APPROVED BY:	DATE: APRIL 2010
SCALE: N.T.S.	DWG. NO. 315-1

**TREE LOCATIONS REQUIRED IN PUBLIC R/W ON UTILITY EASEMENTS**

**NOTES:**  
PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(E), STREET TREES SHALL NOT BE PLACED ON TOP OF OR 5' OF EITHER SIDE OF ANY CITY OWNED UTILITY INFRASTRUCTURE. ALSO, PLEASE NOTE THAT NO TREES SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY OWNED LATERAL, CLEANOUT OR WATER & OR REUSE METER.

ENGINEERING STANDARDS 2019	
REVISIONS	REQUIRED TREE LOCATIONS
BY DATE	ENGINEERING DIVISION
T.W. APRIL 2010	CITY OF POMPAÑO BEACH
APPROVED BY:	DATE: APRIL 2010
SCALE: N.T.S.	DWG. NO. 316-1

**AAC**  
PZ20-1200007  
2/2/21

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GERARDO ZAMORA JR P.E. ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Gerardo Zamora  
P.E. No. 44207  
E.B. 0006791  
STATE OF FLORIDA

Digitally signed by Gerardo Zamora  
PROJECT No. 2015-14  
DATE: 4/5/2017  
Date: 2020.02.10 07:11:01 -05'00'

**ZAMORA & ASSOCIATES, INC.**  
ENGINEERING LAND PLANNING  
11410 N. KENDALL DRIVE SUITE 302 MIAMI, FLORIDA 33176  
(305) 273-7801 FAX (305) 273-9514

**AAC**  
PZ20-1200007  
03/03/2020