



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

- B

- | <u>SIEVE SIZE</u> | <u>PERCENTAGE PASSING</u> |
|-------------------|---------------------------|
| 2 INCH | 100 |
| 1-1/2 INCH | 90-100 |
| 1 INCH | 20-55 |
| 3/4 INCH | 0-15 |
| NO. 200 | 0-3 |

TRENCH BACKFILL / BEDDING NOTES



1. ALL UTILITY PIPE SHALL BE INSTALLED WITH 4"Ø MARKING BALLS PLACED EVERY 40' AND AT EVERY FITTING, FOR IDENTIFICATION AND WARNING PURPOSES, BURIED ABOVE THE PIPE AT A MAXIMUM DEPTH OF 24 INCHES OR AS APPROVED BY THE OWNER. IT SHALL BE COLOR CODED AND WORDED AS FOLLOWS:

SEWER SYSTEM
A. COLOR: GREEN
B. LETTERING: SANITARY SEWER
C. FREQUENCY OF MARKER BALLS SHALL BE 121.6 KHz.
D. THE MARKER BALLS CAN BE BURIED IN ANY ORIENTATION.

THE MARKER BALLS SHALL BE DETECTABLE BY STANDARD METAL DETECTION EQUIPMENT AND SHALL BE MANUFACTURED BY TEMPO OR 3M LOCATOR SYSTEM OR EQUIVALENT (FREQUENCY 121.6 KHz)
2. FOR LARGE DIAMETER PIPE INSTALLED AT DEPTHS BELOW 4'-0" MARKER BALLS SHALL BE PLACED AT A MAXIMUM DEPTH OF 4'-0" BELOW GRADE. *

SEWER PIPE IDENTIFICATION



1. ALL NONMETALLIC PIPE SHALL BE INSTALLED WITH 12 THHN SOLID COPPER TRACING WIRE.
2. THE MARKER BALLS MUST BE INSTALLED DIRECTLY ABOVE THE PIPE.
3. MARKER BALLS SHALL BE INSTALLED AT 40' O.C.
4. BALL COLOR CODING:
SANITARY SEWER SYSTEM: GREEN

UTILITY PIPE AND MARKER BALLS LOCATION

ENGINEERING STANDARDS 2022		
REVISONS		UTILITY PIPE AND MARKER BALLS LOCATION DATE: JUNE 2022 DWG. NO. 200-1
BY	DATE	
S.S.	01/30/12	
ENGINEERING DIVISION CITY OF POMPANO BEACH		SCALE: N.T.S.

ISSUE DATE:	07/23/2025
DESIGNED BY:	BB
DRAWN BY:	BB/FA
CHECKED BY:	NW
BID-CONTRACT:	

NILES T. WARRICK, P.E.
FLORIDA REG. NO. 94320
(FOR THE FIRM)

CLIENT

**PORTMAN
HOLDINGS**

PROJECT

2400 E ATLANTIC
2400 East Atlantic Blvd.
Pompano Beach, FL

SHEET TITLE

WATER AND SEWER DETAILS

SHEET NUMBER	CU-504
PROJECT NUMBER	14267.00