DRC
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03/04/2026

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EB# 6578

Sheet Title: SEWER DETAILS

Job Title: 1600 S FEDERAL HIGHWAY (MIXED-USE PROJECT) 1600 S FEDERAL HIGHWAY POMPANO BEACH, FLORIDA 33062

9. BEDDING TYPES – THE FOLLOWING TYPES OF SUITABLE MATERIALS ARE DESIGNATED AND DEFINED AS FOLLOWING:

TYPE A: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 1 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.

TYPE B: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 1/2 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.

TYPE C: SAND WITH 100 PERCENT PASSING A 3/8 INCH SIEVE, AT LEAST 90 PERCENT PASSING A NUMBER 4 SIEVE, AND A SAND EQUIVALENT VALUE NOT LESS THAN 30.

TYPE D: CRUSHED LIMEROCK WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NOT MORE THAN 10 PERCENT A NUMBER 4 SIEVE.

TYPE E: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 3/4 INCH SIEVE AND NOT MORE THAN 10 PERCENT PASSING A NUMBER 4 SIEVE.

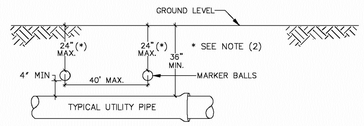
TYPE F: CRUSHED LIMEROCK MEETING THE FOLLOWING GRADATION REQUIREMENTS.

SIEVE SIZE	PERCENTAGE PASSING
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

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	TRENCH BACKFILL / BEDDING
		CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 203-4



GENERAL 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.

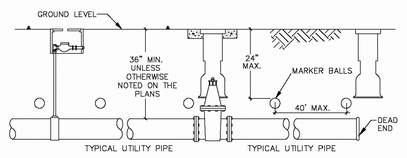
   THE MARKER BALLS SHALL BE DETECTABLE BY STANDARD METAL DETECTION EQUIPMENT AND SHALL BE MANUFACTURED BY TEMPO OR 3M LOCATOR SYSTEM OR EQUIVALENT (FREQUENCY 121.6 Khz)

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

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	SEWER PIPE IDENTIFICATION
S.S.	01/30/12	CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 207-1



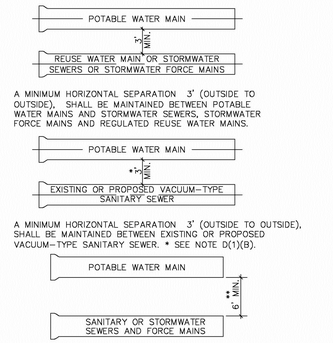
GENERAL NOTES:

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 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	UTILITY PIPE AND MARKER BALLS LOCATION
S.S.	01/30/12	CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 208-1



A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND STORMWATER SEWERS, STORMWATER FORCE MAINS AND REGULATED REUSE WATER MAINS.

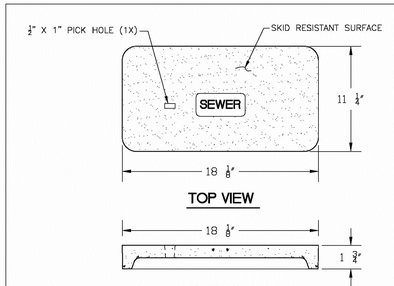
A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN EXISTING OR PROPOSED VACUUM–TYPE SANITARY SEWER. * SEE NOTE D(1)(B).

A MINIMUM HORIZONTAL SEPARATION OF 6' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND EXISTING OR PROPOSED GRAVITY–OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN OR NOT REGULATED REUSE WATER MAIN. ** SEE NOTE D(1)(C).

MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	MIN. HORIZONTAL SEPARATION FOR SANITARY SEWER
S.S.	01/30/12	CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 209-1



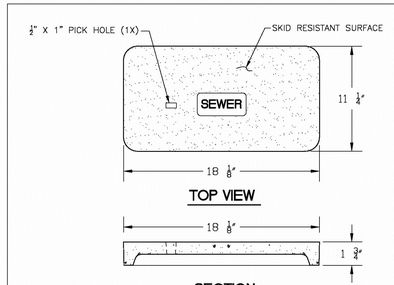
NOTE
1. MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
2. COLOR: GREEN
3. LOAD RATING: A8 (ASTM C857)
4. LOGO: SEWER

SEWER BOX AND COVER

PRODUCT RATING – NON TRAFFIC						
LOAD DESIGNATION	DESCRIPTION	DESIGN LOADS: LIVE LB/WHEEL (2)	DESIGN LOADS: LIVE + IMPACT LB/WHEEL	DESIGN LOADS: SIDE PSF (3)	TESTING: LOAD,LBS	TESTING: SAFETY FACTOR
AASHTO H10	LIGHT TRUCK TRAFFIC	8,000	10,400	N/A	22,568 (4)	2.82

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	SEWER BOX AND COVER CDR Part No. WB03–1118–12 CDR Part No. WC00–1118–02
		CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 210-1



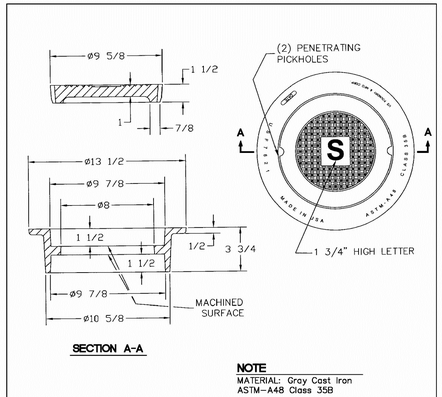
NOTE
1. MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
2. COLOR: GREEN
3. LOAD RATING: A8 (ASTM C857)
4. LOGO: SEWER

SEWER BOX AND COVER

PRODUCT RATING – TRAFFIC						
LOAD DESIGNATION	DESCRIPTION	DESIGN LOADS: LIVE LB/WHEEL (2)	DESIGN LOADS: LIVE + IMPACT LB/WHEEL	DESIGN LOADS: SIDE PSF (3)	TESTING: LOAD,LBS	TESTING: SAFETY FACTOR
AASHTO H15	MEDIUM TRUCK TRAFFIC	12,000	15,600	N/A	27,000 (5)	2.25

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	SEWER BOX AND COVER CDR Part No. WB04–1118–12 CDR Part No. WC02–1118–02
		CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 210-2

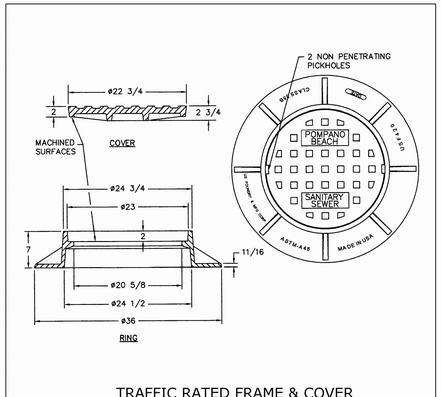


NOTE
MATERIAL: Gray Cast Iron
ASTM–A48 Class 35B

SEWER BOX AND COVER – HEAVY TRAFFIC

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	SEWER BOX AND COVER HEAVY TRAFFIC
S.S.	12/06/18	CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 210-3



TRAFFIC RATED FRAME & COVER

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION	TRAFFIC RATED SEWER COVER
		CITY OF POMPANO BEACH	DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 211-1

Received after DRC Meeting to address DRC comments prior to the submission of a Building Permit Application.
09/10/2025

Revisions
1
2
3
4
5
6
7
8

Phase: PERMIT DOCUMENTS

BLAKE M. KIDWELL LICENSE No 91488 STATE OF FLORIDA PROFESSIONAL ENGINEER

Scale: N.T.S.	Date 01/27/25
Job No. 24–1832.00	Plot Date 08/19/25
Drawn by BMK	Sheet No. C6.2
Proj. Mgr. BMK	
Appr. by BMK	– of –

Blake M Kidwell
Digitally signed by Blake M Kidwell
DN: c=US, o=Unaffiliated, dnQualifier=A01410C0000018E75F903E100026EDE, cn=Blake M Kidwell
Date: 2025.08.19 17:31:45 -04'00'

This document has been digitally signed and sealed by Blake M. Kidwell on 08/19/2025.

Printed copies of this document are not considered signed and sealed.