

1. 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 UNSUITABLE TRENCH MATERIALS ARE ENCOUNTERED.
5. TRENCH ZONE BACKFILL SHALL BE MATERIAL TYPE 1 OR TYPES A THRU H, OR ANY MIXTURE THEREOF, WHERE SURFACE RESTORATION TYPE "1" 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 C. BEDDING SHALL BE COMPACTED TO 95% 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 E. BEDDING SHALL 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 C. BACKFILL SHALL 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

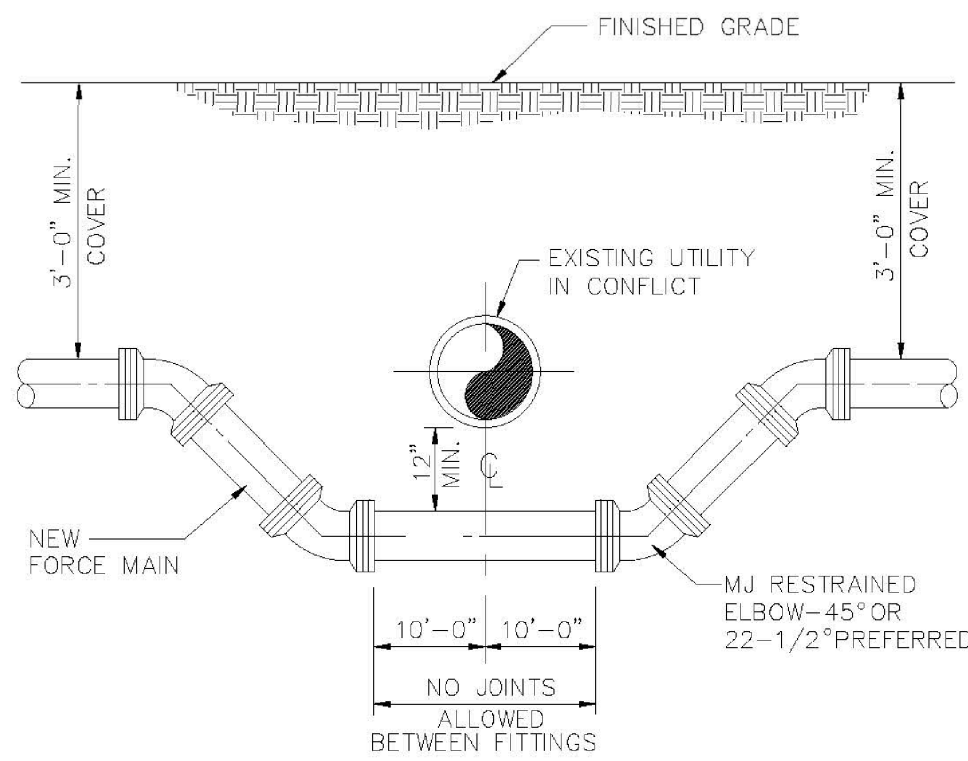
| ENGINEERING STANDARDS 2022 | | | | | |
|----------------------------|------|-----------------------|---------------------------|-----------------|----------|
| REVISIONS | | ENGINEERING DIVISION | TRENCH BACKFILL / BEDDING | DATE: JUNE 2022 | DWG. NO. |
| BY | DATE | | | | |
| | | CITY OF POMPANO BEACH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

9. BEDDING TYPES -- THE FOLLOWING TYPES OF SUITABLE MATERIALS ARE DESIGNATED AND DEFINED AS FOLLOWING:
- TYPE A: CRUSHED LIMESTONE OR SAND WITH 100 PERCENT PASSING A 1 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.
- TYPE B: CRUSHED LIMESTONE 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 LIMESTONE WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NOT MORE THAN 10 PERCENT A NUMBER 4 SIEVE.
- TYPE E: CRUSHED LIMESTONE 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 LIMESTONE 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

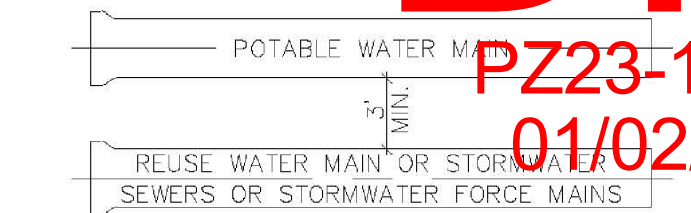
| ENGINEERING STANDARDS 2022 | | | | | |
|----------------------------|------|-----------------------|---------------------------|-----------------|----------|
| REVISIONS | | ENGINEERING DIVISION | TRENCH BACKFILL / BEDDING | DATE: JUNE 2022 | DWG. NO. |
| BY | DATE | | | | |
| | | CITY OF POMPANO BEACH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



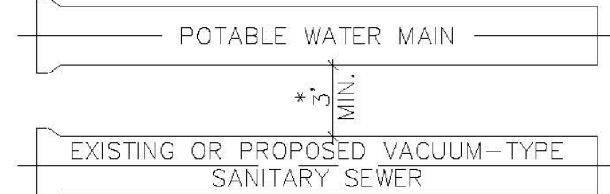
NOTES:
WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

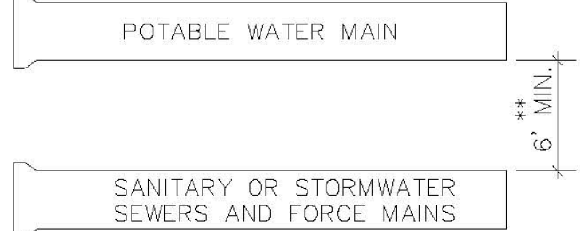
| ENGINEERING STANDARDS 2022 | | | | | |
|----------------------------|-----------|-----------------------|--------------------------|-----------------|----------|
| REVISIONS | | ENGINEERING DIVISION | TYPICAL CONFLICT (SEWER) | DATE: JUNE 2022 | DWG. NO. |
| BY | DATE | | | | |
| S.S. | JUNE 2008 | CITY OF POMPANO BEACH | | | |
| S.S. | 02/13/12 | | | | |
| | | SCALE: N.T.S. | | | 206-1 |



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.



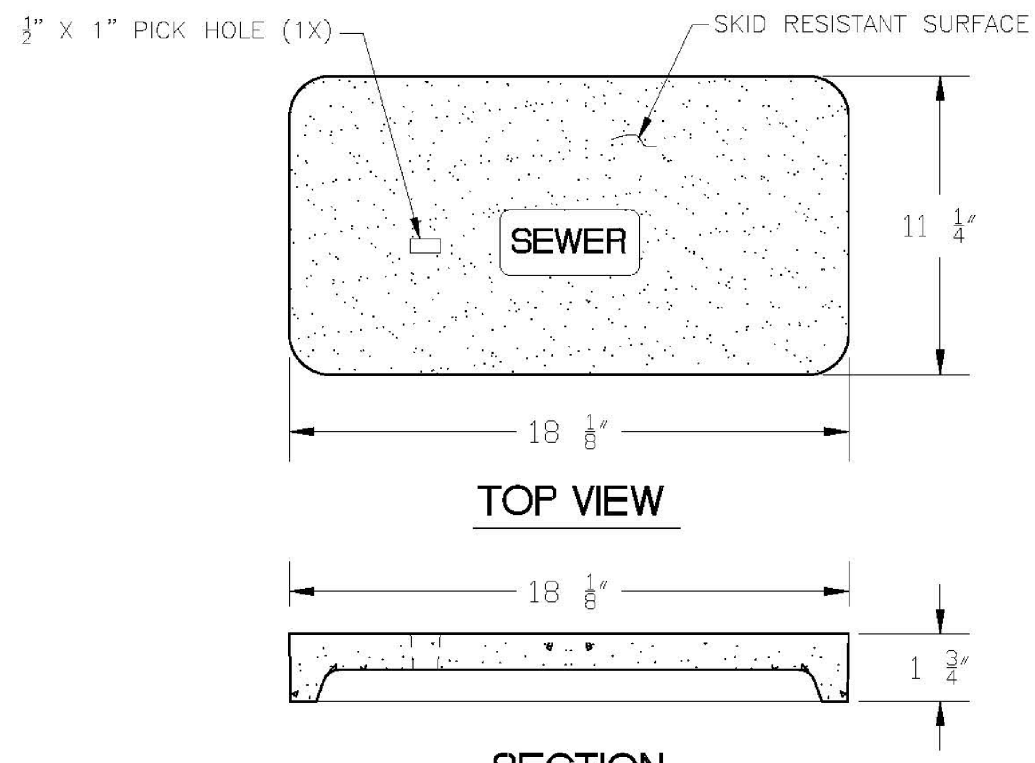
A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER. * SEE NOTE D(1)(5).



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

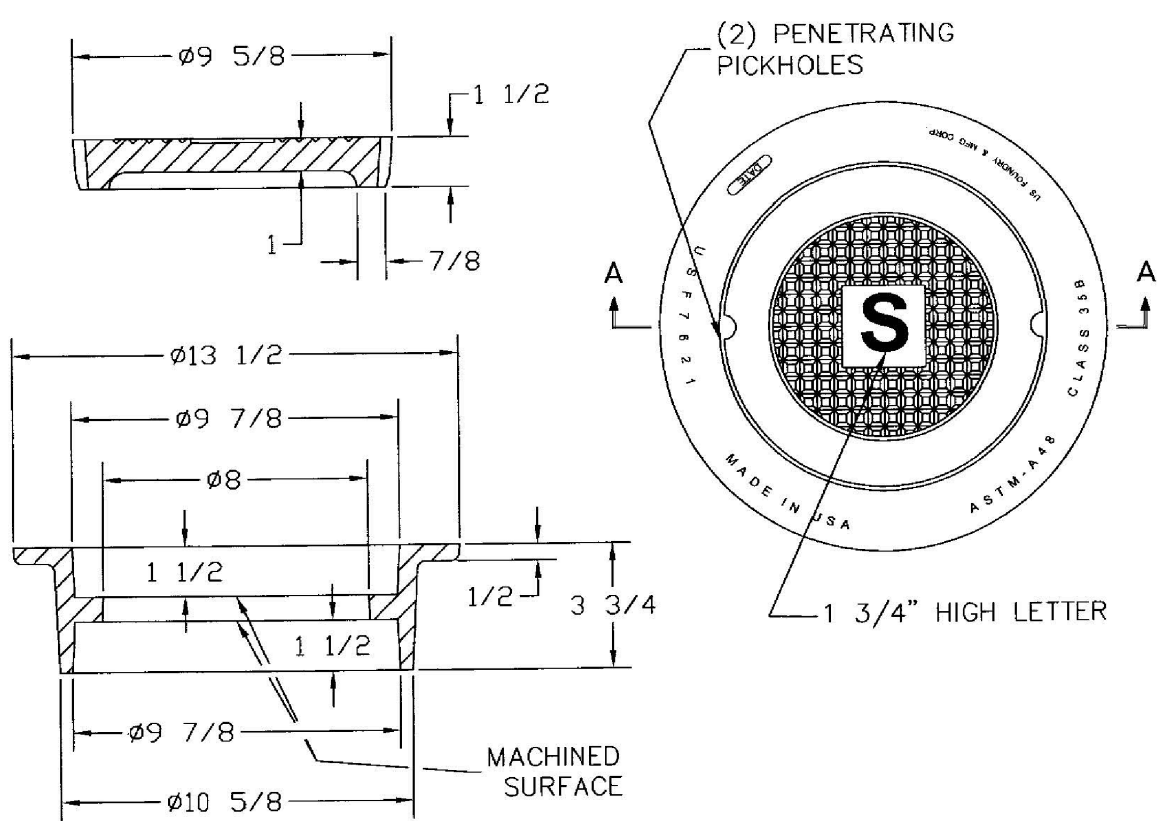


- NOTE
1. MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
 2. COLOR: GREEN
 3. LOAD RATING: A8 (ASTM C857)
 4. LOGG: SEWER

SEWER BOX AND COVER

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

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



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

SEWER BOX AND COVER - HEAVY TRAFFIC

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

Bealinda M Pell

Digitally signed by Bealinda M Pell
DN: c=US, o=Unaffiliated, dnQualifier=A01410C0000018E2E72B6AA0002F1E5, cn=Bealinda M Pell
Date: 2024.10.22 20:55:49 -04'00'



Know what's below.
Call before you dig.

| | |
|-----------------------|---------------|
| DESIGNED: WF1 | DATE: 01/2023 |
| DRAWN: WF1 | DATE: 01/2023 |
| CHECKED: BMP | DATE: 11/2023 |
| PUBLISHED: 10/21/2024 | 4:39:15 PM |

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PALM AIRE TENNIS CENTER
RWB / LINARES ARCHITECTURE

CITY OF POMPANO BEACH
STANDARD SANITARY DETAILS

| | | | | | |
|------------------------------------|-------|----------------|-------|-------|----------|
| APPROVED: EB-0002995 LB-0002995 | DATE: | PROJECT NUMBER | 22036 | SHEET | SD2 OF 2 |
|------------------------------------|-------|----------------|-------|-------|----------|