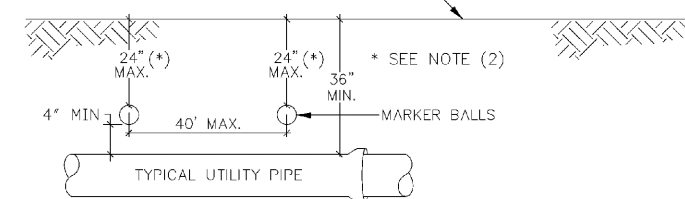


NOTES:
WHEN CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BRIDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

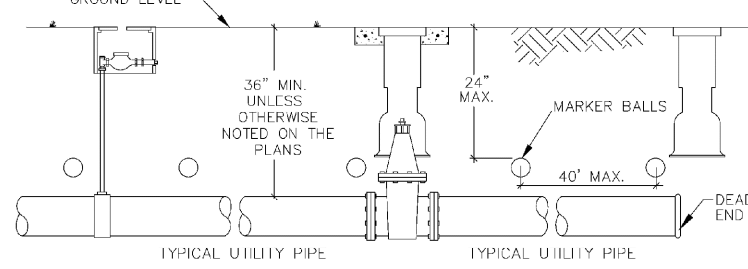
ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	206-1



GENERAL NOTES:
1. ALL UTILITY PIPE SHALL BE INSTALLED WITH 4\"/>

SEWER PIPE IDENTIFICATION

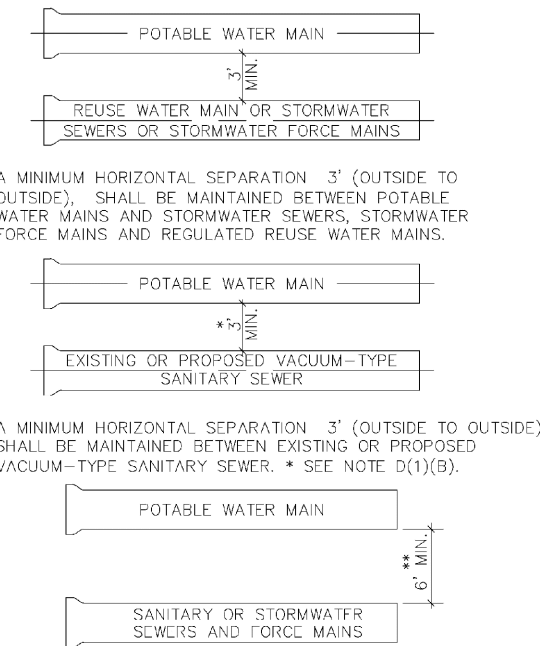
ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	207-1



GENERAL NOTES:
1. ALL NONMETALLIC PIPE SHALL BE INSTALLED WITH 12 THIN 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

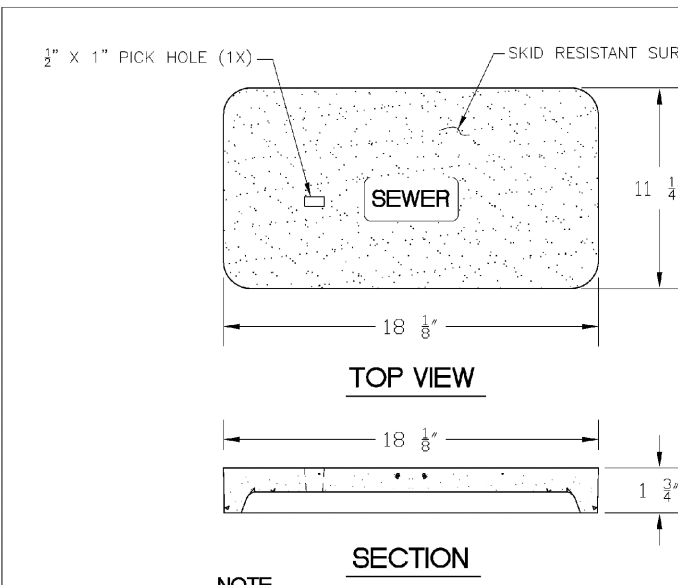
UTILITY PIPE AND MARKER BALLS LOCATION

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	208-1



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

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	209-1

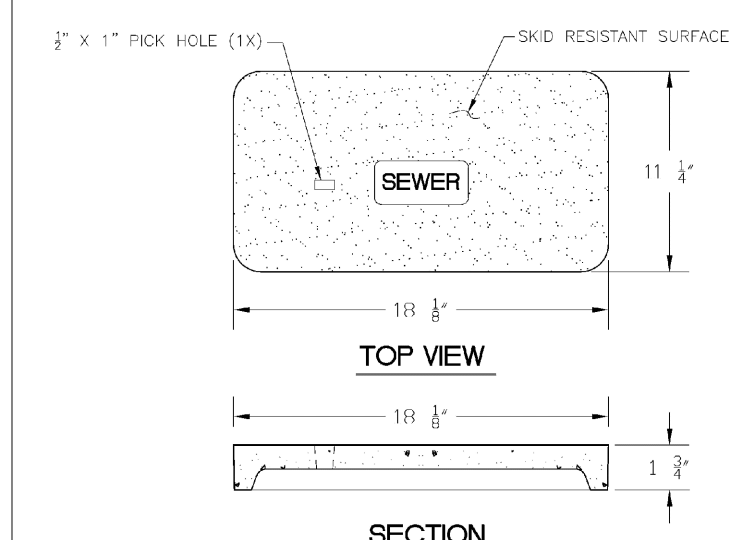


NOTE:
1. MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
2. CO. OR. GREEN
3. LOAD RATING: AS (ASTM C857)
4. LOAD: SEWER

SEWER BOX AND COVER

PRODUCT RATING - NON TRAFFIC			
LOAD DESIGNATION	DESCRIPTION	DESIGN LOADS	TESTING
AASHTO H10	LIGHT TRUCK TRAFFIC	8,000	22,568 (4)

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	210-1

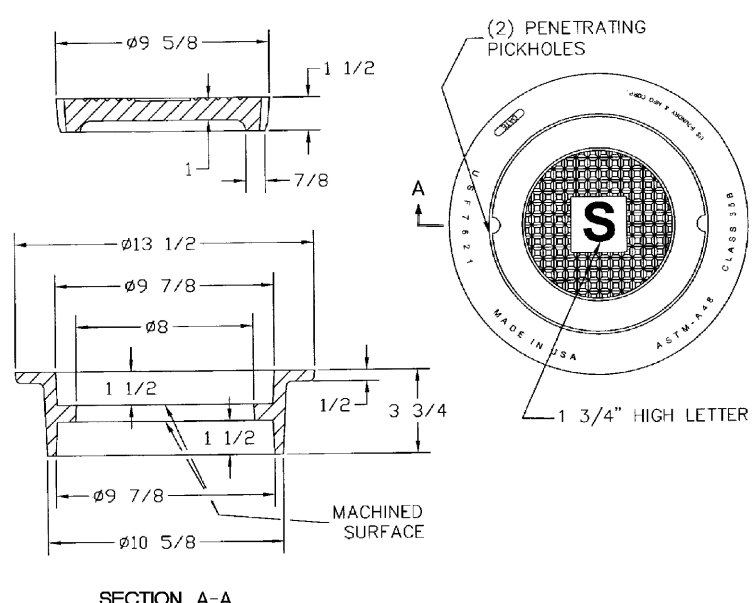


NOTE:
1. MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
2. CO. OR. GREEN
3. LOAD RATING: AS (ASTM C857)
4. LOAD: SEWER

SEWER BOX AND COVER

PRODUCT RATING - TRAFFIC			
LOAD DESIGNATION	DESCRIPTION	DESIGN LOADS	TESTING
AASHTO H15	MEDIUM TRUCK TRAFFIC	12,000	27,000 (5)

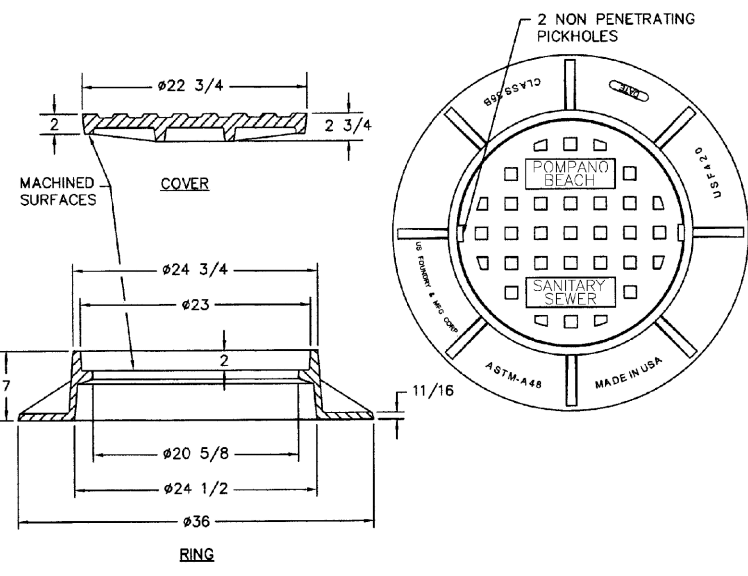
ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	210-2



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

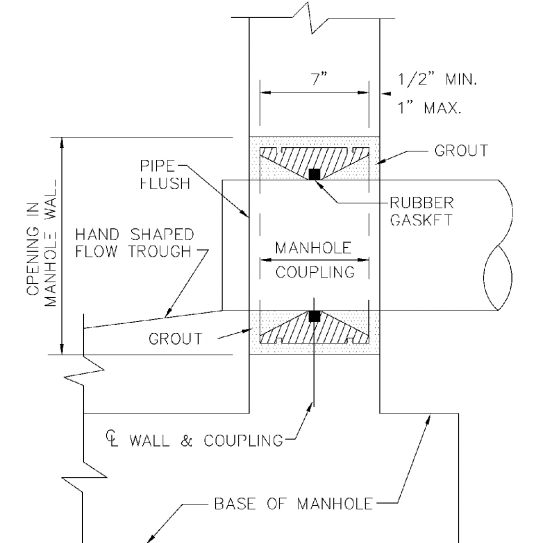
SEWER BOX AND COVER - HEAVY TRAFFIC

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	210-3



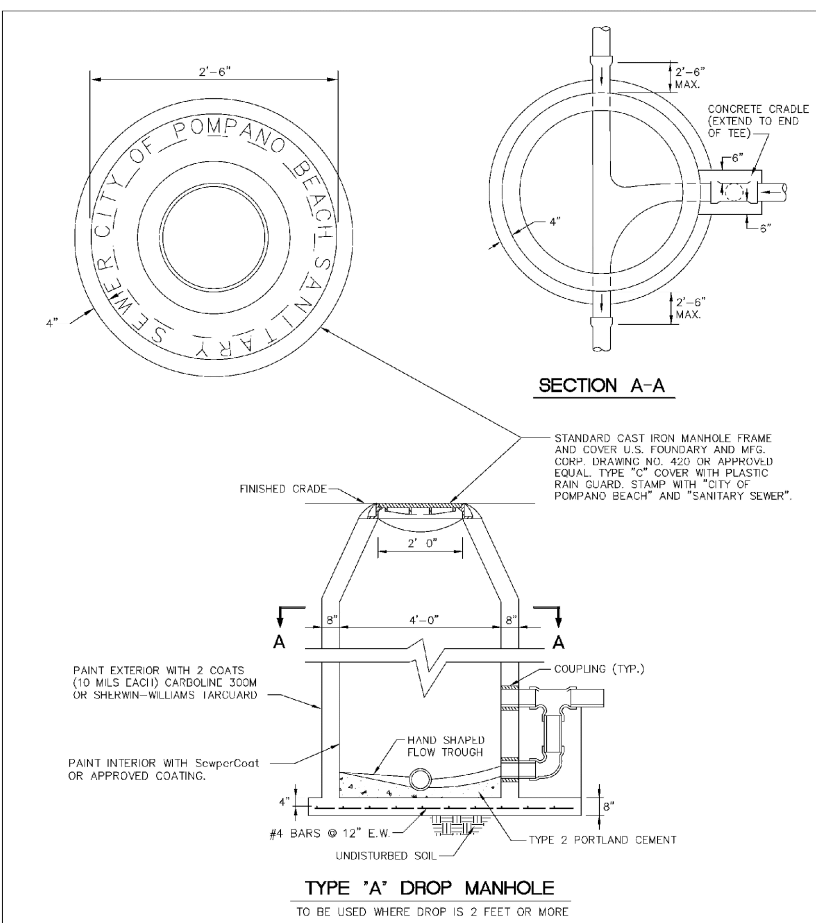
TRAFFIC RATED FRAME & COVER

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	211-1



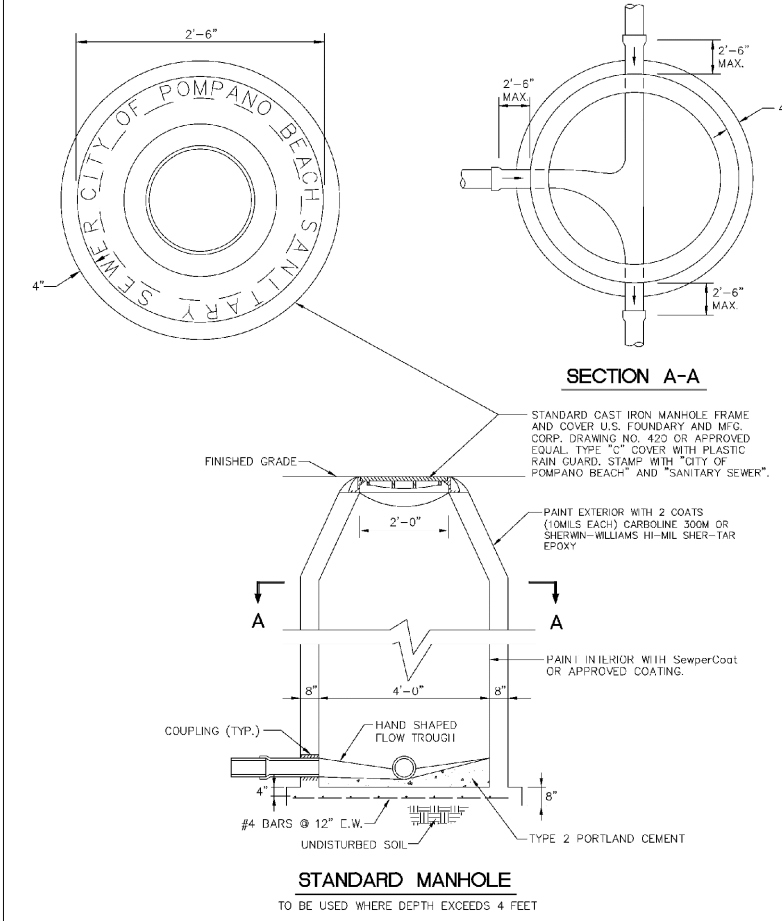
MANHOLE COUPLING

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	212-1



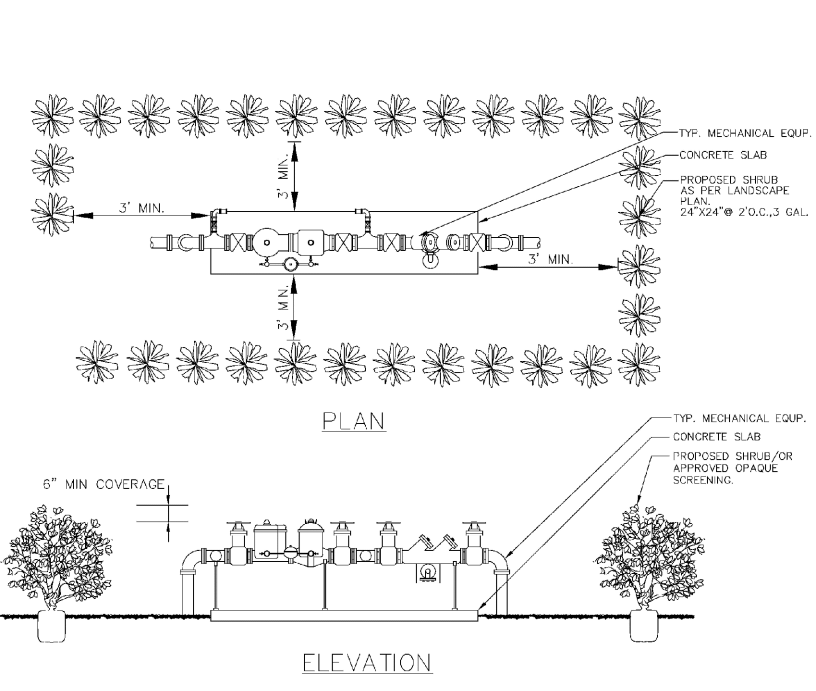
STANDARD MANHOLE

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	213-1



STANDARD MANHOLE

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	215-1

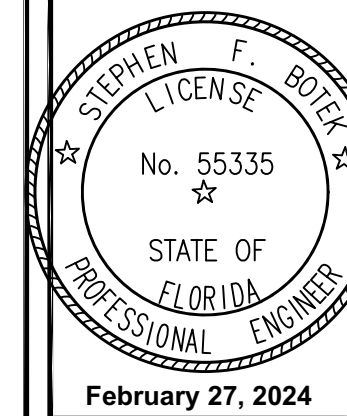


TYPICAL SCREEN FOR UTILITIES

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	DESCRIPTION
1	DATE	11/20/2021	ENGINEERING DIVISION
2	DATE	11/20/2021	CITY OF POMPANO BEACH
3	DATE	11/20/2021	SCALE: N.T.S.
4	DATE	11/20/2021	315-1

BTE REF DATE: 2-21-2024

REVISIONS		#	DATE
BY	DATE		



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Celebrating 15 Years

WATER AND SANITARY SEWER DETAILS
POMPANO HOTEL
101 SOUTH OCEAN BOULEVARD
POMPANO BEACH, FL

Botek Thurlow Engineering, Inc.
3400 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309
www.botekthurlow-eng.com P: 954-568-8888 F: 954-568-0757

BTE PROJECT #:
23-0701

PROJECT DATE:
09-05-2023

SHEET #:
P&CS

Digitally signed by
Stephen Botek
Date: 2024.02.27
13:17:41
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05/22/2024