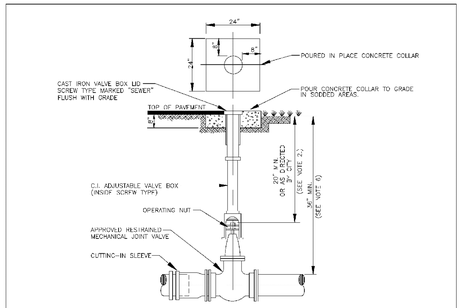


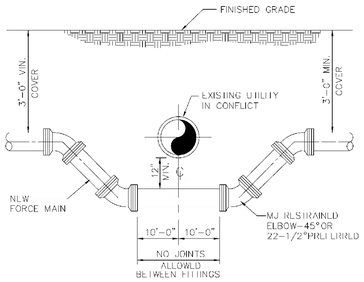
NOTES:
1. CONCRETE COLLAR IS NOT REQUIRED IN PAVED AREAS IF PAVEMENT SURFACE IS FINISHED PRIOR TO CONDITIONAL FINAL INSPECTION.
2. WHEN OPERATING NUT IS DEEPER THAN 36" A ONE PIECE EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT 20"–30" BELOW FINISHED GRADE. EXTENSION BOLTS & NUTS ARE TO BE STAINLESS STEEL. A HIGH STRENGTH STEEL CENTERING PLATE, WELDED TO THE EXTENSION, IS ALSO REQUIRED.
3. VALVE BOXES SHALL HAVE COVERS MARKED "SEWER".
4. EXTENSION VALVE BOX TO BE BLUE OR C-900 PVC DR 18 (COLOR: GREEN)
5. A CUT-IN INSTALLATION SHALL REQUIRE MEGALUGS OR EQUAL THROUGHOUT ASSEMBLY.
6. IN ORDER TO MAINTAIN ADEQUATE COVER OVER VALVE NUT, THE FOLLOWING MINIMUM COVERS OVER PIPE ARE REQUIRED

GATE VALVE SIZE	MIN. COVER OVER PIPE
16"	48"
20"	54"
24"	60"
30"	72"
36"	84"

FORCE MAIN PLUG VALVE SETTING

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	PLUG VALVE SETTING
S.S.	01/27/12	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 205-1

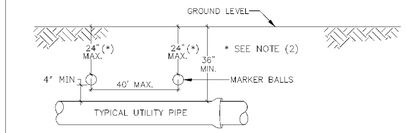


NOTES:
WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL CONFLICT (SEWER)
S.S.	JUNE 2005	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 206-1
S.S.	02/13/12		



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.

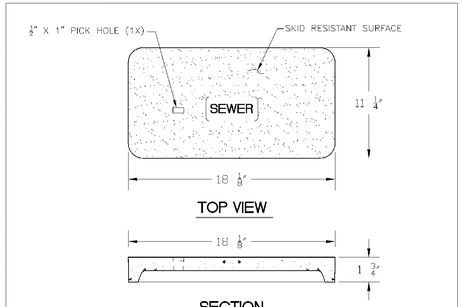
   THE MARKER BALLS SHALL BE DETECTABLE BY STANDARD METAL DETECTION EQUIPMENT AND SHALL BE MANUFACTURED BY TEMPO OR 3M LOCATOR SYSTEM OR EQUIVALENT (FREQUENCY 121.6 Khz)

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 2022

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



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

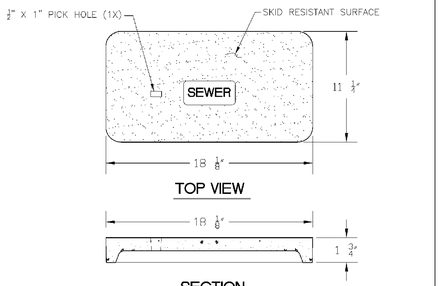
SEWER BOX AND COVER

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 2022

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

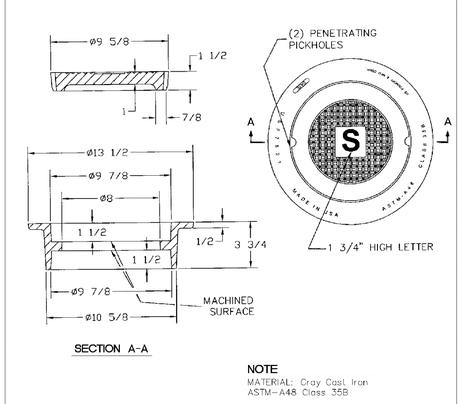
SEWER BOX AND COVER

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 2022

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



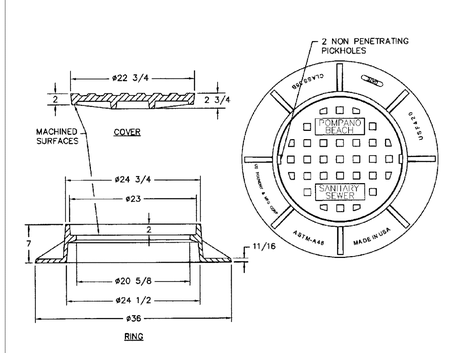
SECTION A-A

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

SEWER BOX AND COVER - HEAVY TRAFFIC

ENGINEERING STANDARDS 2022

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



TRAFFIC RATED FRAME & COVER

ENGINEERING STANDARDS 2022

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

1857 NW 21ST STREET

GREGORY FRANKLIN BOLEN LICENSE No. 56729 STATE OF FLORIDA PROFESSIONAL ENGINEER

GREGORY FRANKLIN BOLEN, P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 56729

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY GREGORY FRANKLIN BOLEN, P.E. ON 6/30/2025 USING A SHA-1 AUTHENTICATION CODE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA-1 AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Digitally signed by Gregory F Bolen
Date: 2025.07.01 08:08:32-04'00'

REVISIONS

DESIGN	DRAWN	CHECKED	APPROVED	DATE
C.M.	B.L.			

SIMMONS & WHITE
2581 Metrocentre Blvd West, Ste 3 | West Palm Beach, FL 33407
Authorization # 3452 | 561.478.7848

HODGE MARINE
SECTION 27, TOWNSHIP 48S., RANGE 42E.
CITY OF POMPANO BEACH, FLORIDA
CONCEPTUAL WATER AND WASTEWATER DETAILS

DRC

JOB NO.	DRAWING NO.	SHEET OF
25-093	PZ25-25093004	C-10 C-15

08/06/2025

Y:\AUTOCAD_FILES\2025\25-093\CONCEPTUAL\25093C09-15_WSD.dwg 6/30/2025 4:54 PM Robert Wyre