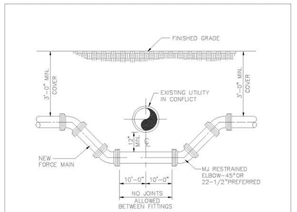
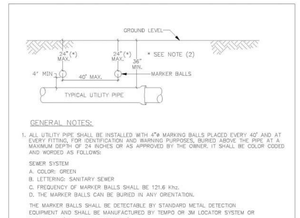


NOTES:
WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL CONFLICT (SEWER)
S.S.	JUNE 2005		
S.S.	06/15/10		
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 206-1



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.

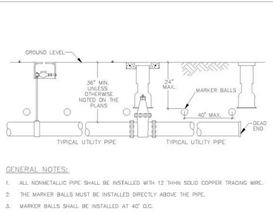
   THE MARKER BALLS SHALL BE DETECTABLE BY STANDARD METAL DETECTION EQUIPMENT AND SHALL BE MANUFACTURED BY 3SMPO OR 3M LOCATOR SYSTEM OR EQUIVALENT (FREQUENCY 121.6 Khz.)

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



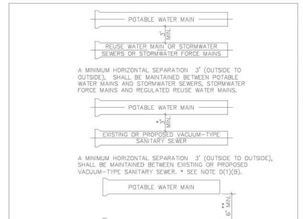
GENERAL NOTES:

1. ALL NONMETALLIC PIPE SHALL BE INSTALLED WITH 12 THWN 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

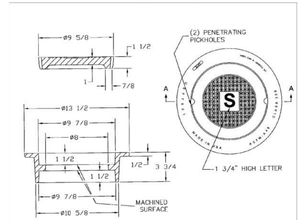
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	UTILITY PIPE AND MARKER BALLS LOCATION
S.S.	01/30/12		
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 208-1



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

ENGINEERING STANDARDS 2022

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

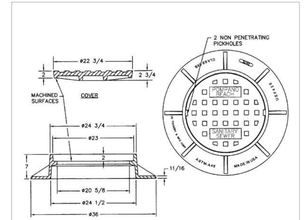


NOTE
MATERIAL: Gray Cast Iron ANSI-A48 Class 35A

SEWER BOX AND COVER - HEAVY TRAFFIC

ENGINEERING STANDARDS 2022

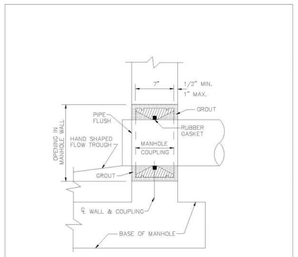
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SEWER BOX AND COVER HEAVY TRAFFIC
S.S.	10/26/78	ENGINEERING DIVISION	
		SCALE: N.T.S.	DATE: JULY 2022 DWG. NO. 210-3



TRAFFIC RATED FRAME & COVER

ENGINEERING STANDARDS 2022

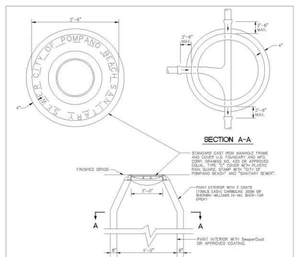
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRAFFIC RATED SEWER COVER
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 211-1



MANHOLE COUPLING

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	MANHOLE COUPLING
S.S.	JUNE 2005		
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 212-1

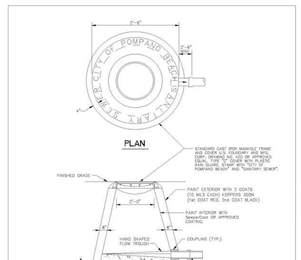


STANDARD MANHOLE
TO BE USED WHERE DEPTH EXCEEDS 4 FEET

STANDARD MANHOLE

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	STANDARD MANHOLE
S.S.	JUNE 2005		
T.M.	11-2007		
S.S.	10-2013		
A.S.	09-2021	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 215-1



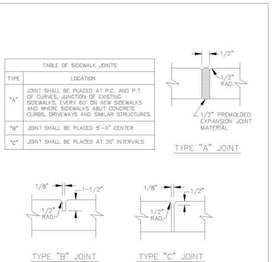
SHALLOW TYPE MANHOLE
TO BE USED WHERE DEPTH IS LESS THAN 4 FEET

SHALLOW TYPE MANHOLE

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SHALLOW TYPE MANHOLE
S.S.	JUNE 2005		
T.M.	11-2007		
A.S.	09-2021	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 216-1

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	JOINT SHALL BE PLACED AT P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING SIDEWALKS, EVERY 60' ON NEW SIDEWALKS AND WHERE SIDEWALK MEET ADJACENT CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.
"B"	JOINT SHALL BE PLACED 5'-0" CENTER
"C"	JOINT SHALL BE PLACED AT 20' INTERVALS

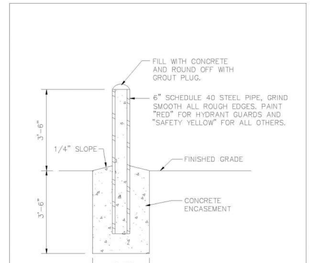


NOTE: SIDEWALK SHALL BE 4" THICK EXCEPT IN DRIVEWAYS WHERE THE THICKNESS SHALL BE 6".

SIDEWALK DETAILS

ENGINEERING STANDARDS 2022

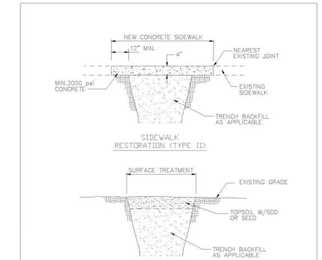
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SIDEWALK DETAILS
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 301-2



GUARD POST

ENGINEERING STANDARDS 2022

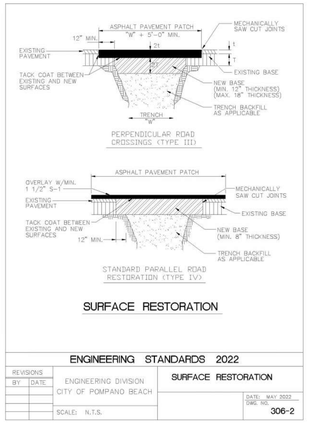
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	GUARD POST
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 304-1



SURFACE RESTORATION

ENGINEERING STANDARDS 2022

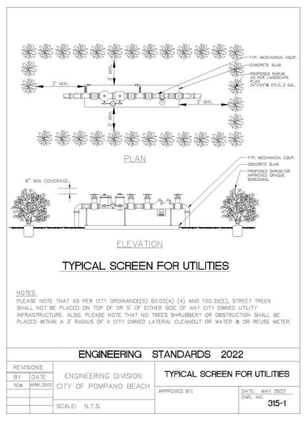
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SURFACE RESTORATION
S.S.	6/05/10		
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 306-1



SURFACE RESTORATION

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SURFACE RESTORATION
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 306-2

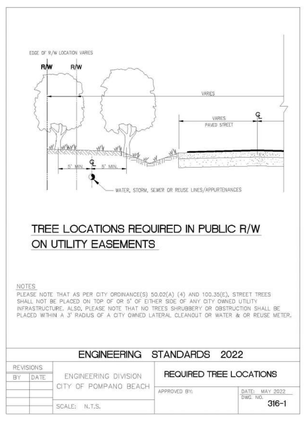


TYPICAL SCREEN FOR UTILITIES

NOTES:
PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(C), STREET TREES SHALL NOT BE PLACED ON TOP OF OR 5' OF EITHER SIDE OF ANY CITY OWNED UTILITY INFRASTRUCTURE. ALSO, PLEASE NOTE THAT NO TREES SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY OWNED LATERAL CLEANOUT OR WATER & OR REUSE METER.

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL SCREEN FOR UTILITIES
TCM	APRIL 2010		
		SCALE: N.T.S.	APPROVED BY: DATE: MAY 2022 DWG. NO. 315-1

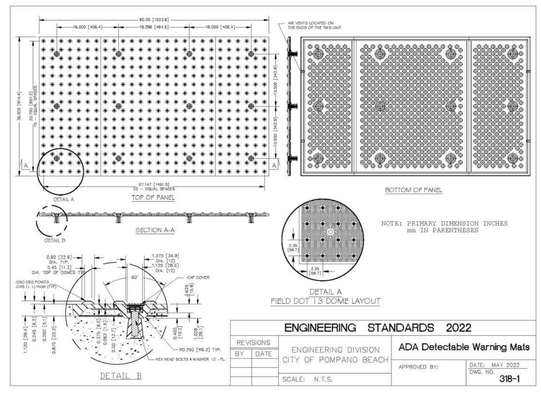


TREE LOCATIONS REQUIRED IN PUBLIC R/W ON UTILITY EASEMENTS

NOTES
PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(C), STREET TREES SHALL NOT BE PLACED ON TOP OF OR 5' OF EITHER SIDE OF ANY CITY OWNED UTILITY INFRASTRUCTURE. ALSO, PLEASE NOTE THAT NO TREES SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY OWNED LATERAL CLEANOUT OR WATER & OR REUSE METER.

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	REQUIRED TREE LOCATIONS
		SCALE: N.T.S.	APPROVED BY: DATE: MAY 2022 DWG. NO. 316-1



ENGINEERING STANDARDS 2022

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	ADA Detectable Warning Mats
		SCALE: N.T.S.	APPROVED BY: DATE: MAY 2022 DWG. NO. 318-1

REVISIONS:
1. 2. 3. 4. 5. 6. 7. 8.

CLIENT:
LLR ARCHITECTS, INC.
9000 SHERIDAN STREET
SUITE 158
PEMBROKE PINES, FL, 33024

PROJECT:
SW 3RD STREET
POMPANO BEACH FLORIDA
TASK:
CONSTRUCTION DETAILS

GGB Engineering
CIVIL AND FORENSIC ENGINEERS • LAND PLANNERS
•CONSTRUCTION MANAGERS
FLORIDA REGISTRATION No. 38256
2699 Stirling Road, Suite C-202 Fax: (954) 986-6655
Fort Lauderdale, Florida 33312 Phone: (954) 986-9899

DATE: FEB, 2025
SCALE: N.T.S.
DESIGNED BY: B.J.R.
DRAWN BY: A.R.
PROJECT NO. 25-0349
SHEET C-006.2

This document has been digitally signed and sealed by Brian J. Ross, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

P&Z
PZ23-12000055
10/22/2025