



## ENGINEERING STANDARDS 2022

TYPICAL CONFLICT (SEWER)	
	DATE: JUNE DWG. NO. 20



- SEWER SYSTEM
- A. COLOR: GREEN
- B. LETTERING: SANITARY SEWER
- C. FREQUENCY OF MARKER BALLS
- D. THE MARKER BALLS CAN BE

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 \*.

## ENGINEERING STANDARDS 2022

SEWER PIPE IDENTIFICATION



- SEWER BOX AND COVER

PRODUCT RATING - NON TRAFFIC					
DESCRIPTION	DESIGN LOADS			TESTING	
	LIVE LB/WHEEL (2)	LIVE + IMPACT LB/WHEEL	SIDE PSF (3)	LOAD,LBS	SAFETY FACTOR
LIGHT TRUCK TRAFFIC	8,000	10,400	N/A	22,568 (4)	2.8

## ENGINEERING STANDARDS 2022

SEWER BOX AND COVER	
CDR Part No. WB03-1118-12	
CDR Part No. WC00-1118-02	
	DATE: JUNE
	DWG. NO.
	210



- SEWER BOX AND COVER

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

## ENGINEERING STANDARDS 2022

SEWER BOX AND COVER	
CDR Part No. WB04-1118-12	
CDR Part No. WC02-1118-02	
	DATE: JUNE
	DWG. NO.
	21



SEWER BOX AND COVER - HEAVY TRAFFIC

SEWER BOX AND COVER HEAVY TRAFFIC	DATE: JUNE 2
	DWG. NO. 210



TRAFFIC RATED SEWER COVER

DATE: JUNE 2022
DWG. NO. 211-1



STANDARD MANHOLE

DATE: JUNE
DWG. NO. 21