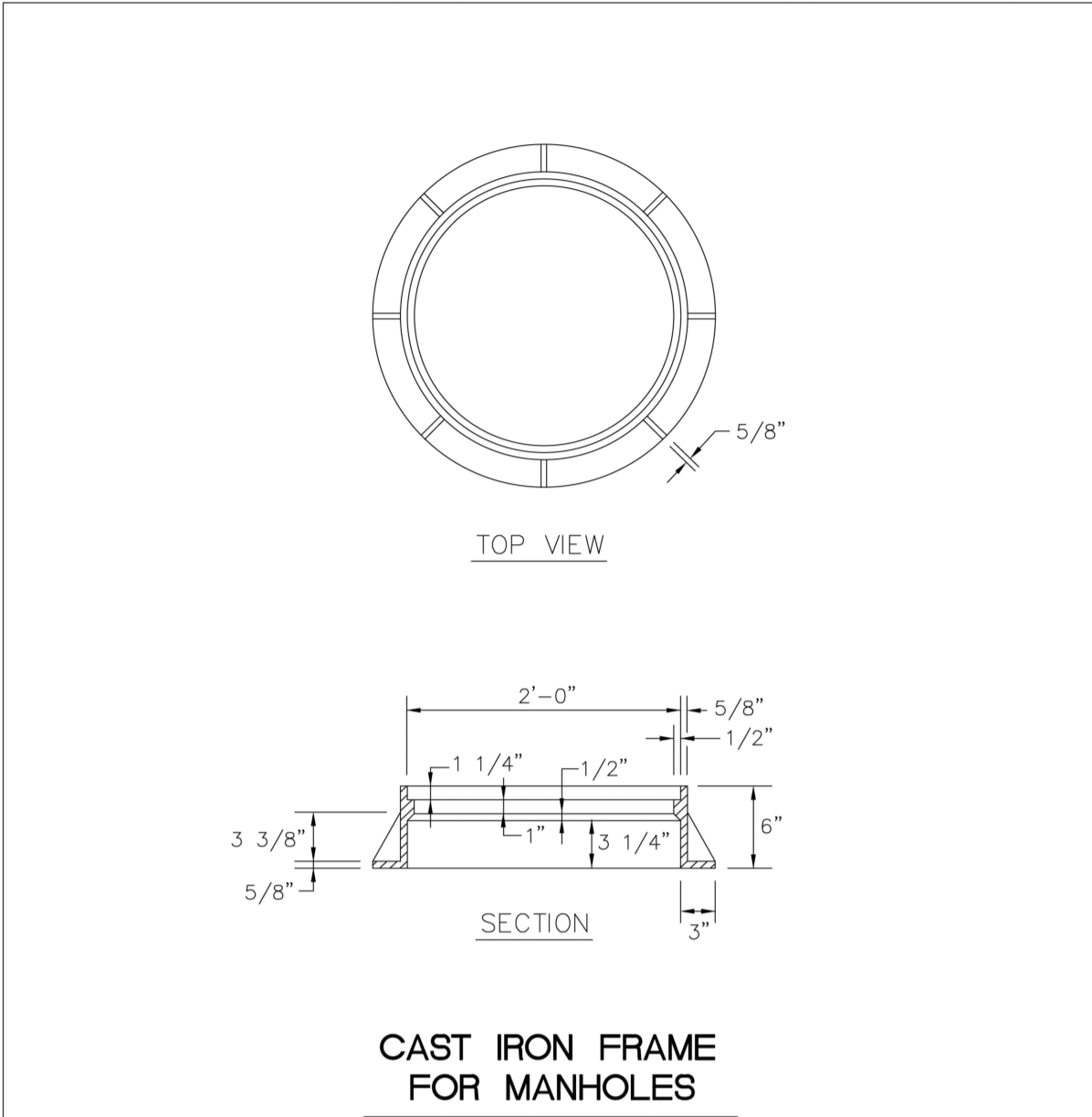


PIPE SIZE	PIPE OD (IN)	1/2" MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT (IN)	MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT (IN)
10	14.5	14.5	3.7
15	17.5	17.5	4.5
18	21.5	21.5	4.5
24	27.5	27.5	4.5
30	35.5	35.5	4.5
36	41.5	41.5	4.5
48	53.5	53.5	4.5
60	66.5	66.5	4.5

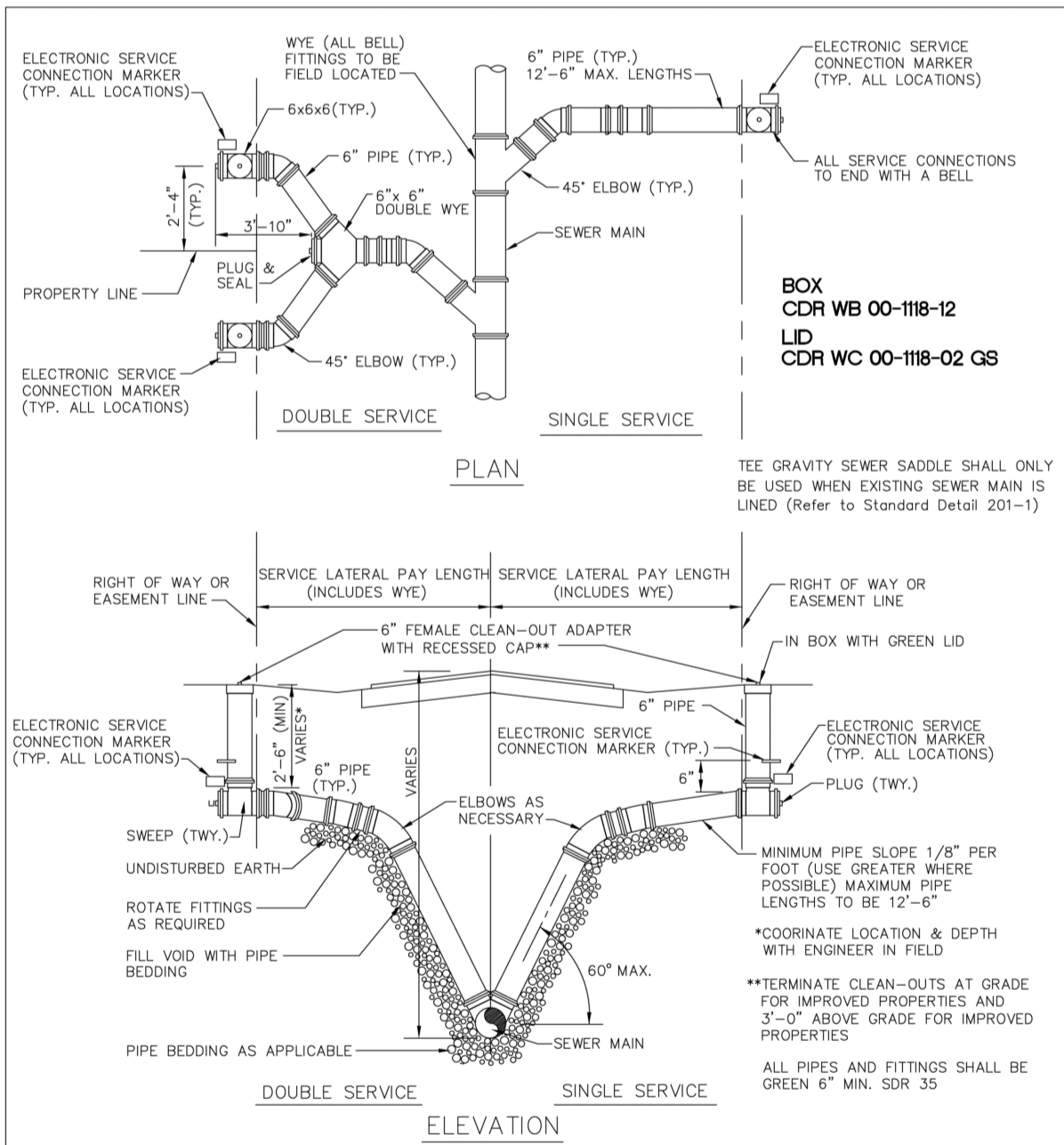
WATER STOP SEAL

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH
	TCW	04-08	
			SCALE: N.T.S.
			DATE: MAY 2022 DWG. NO. 414-1



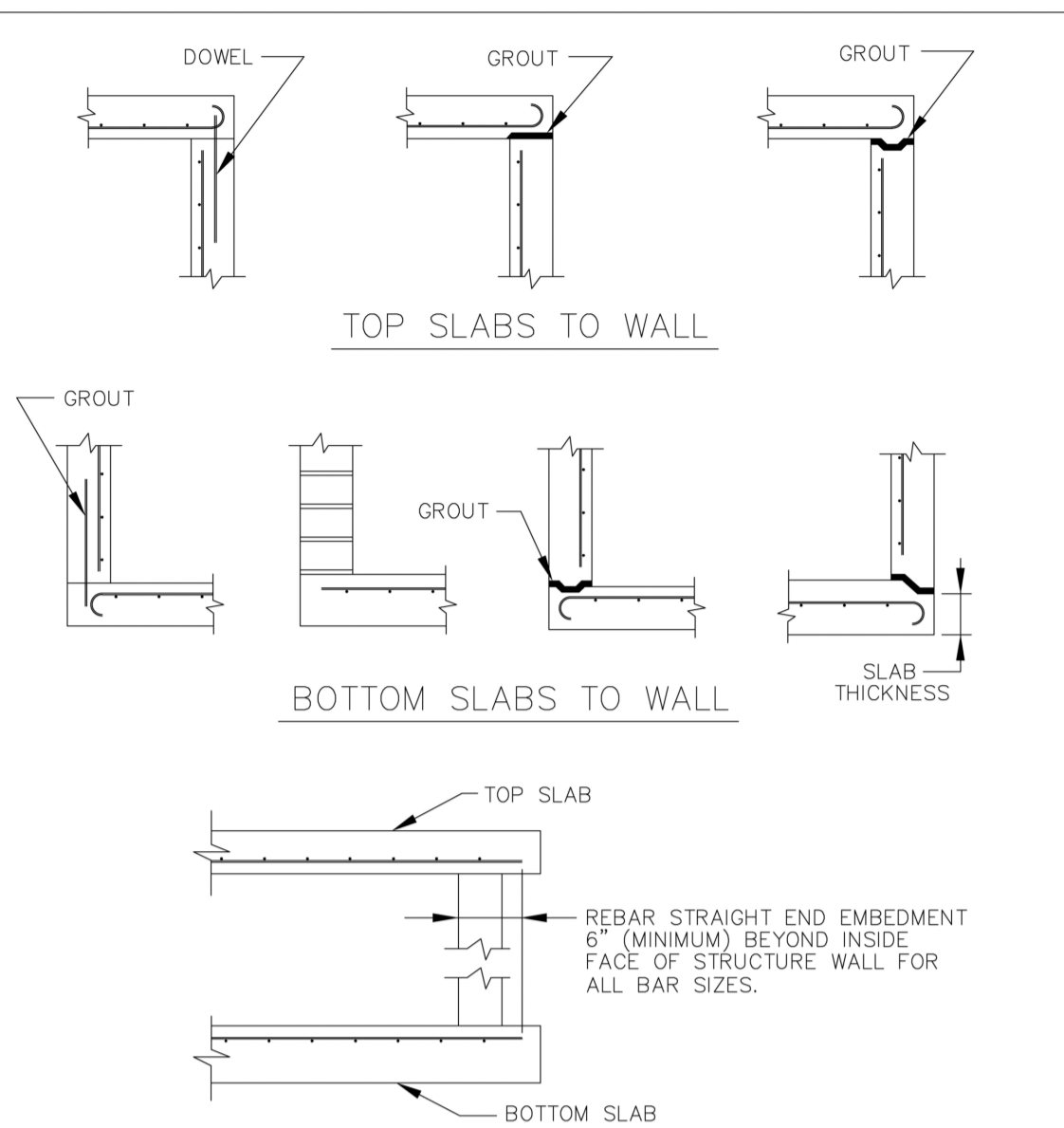
CAST IRON FRAME FOR MANHOLES

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH
			SCALE: N.T.S.
			DATE: JUNE 2022 DWG. NO. 411-1



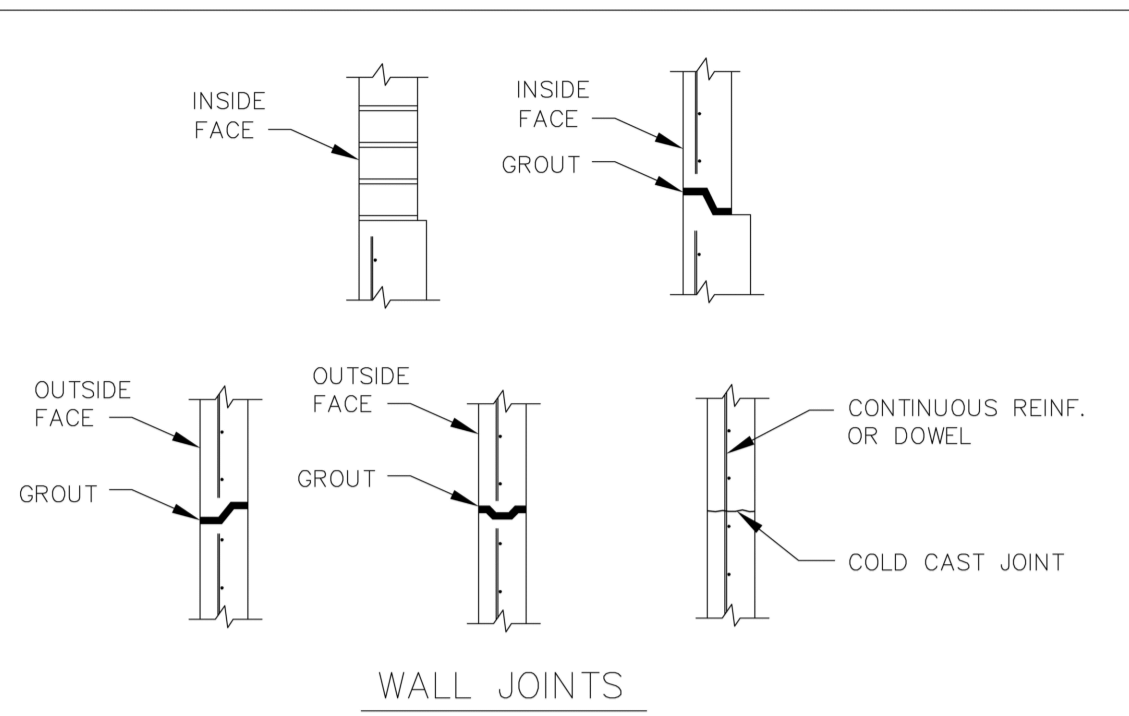
SERVICE LATERALS WITH RISERS

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH
			SCALE: N.T.S.
			DATE: JUNE 2022 DWG. NO. 200-1



OPTIONAL CONSTRUCTION JOINTS

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH
			SCALE: N.T.S.
			DATE: JUNE 2022 DWG. NO. 412-1

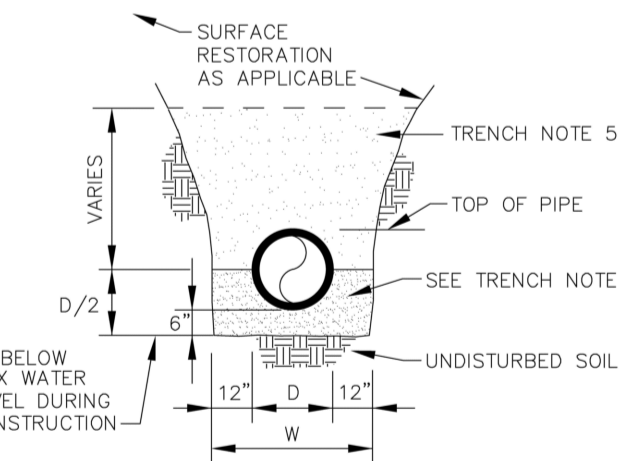


- NOTES:
- ONE OR MORE TYPES OF JOINTS MAY BE USED IN A SINGLE STRUCTURE, EXCEPT BRICK WALL STRUCTURE. BRICK WALL CONSTRUCTION IS PERMITTED ON CIRCULAR UNITS ONLY.
 - ALL GROUTED JOINTS ARE TO HAVE A MAXIMUM THICKNESS OF 1".
 - KEYWAYS ARE TO BE A MINIMUM OF 1 1/2" DEEP.
 - JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 6 BARS PER CIRCULAR STRUCTURES APPROXIMATELY EVENLY SPACED, AND 2 BARS PER SIDE AT APPROXIMATE QUARTER POINTS FOR RECTANGULAR STRUCTURES.
 - MINIMUM COVER ON REINFORCING BARS IS 1 1/4".
 - REBAR STRAIGHT END EMBANKMENT MAY BE USED IN LIEU OF ACI STANDARD HOOKS FOR TOP AND BOTTOM SLABS EXCEPT WHEN HOOKS ARE SPECIFICALLY CALLED FOR IN PLANS OR STANDARD DRAWINGS.
 - JOINTS BETWEEN WALL SEGMENTS AND BETWEEN WALL SEGMENTS AND TOP OR BOTTOM SLABS MAY BE SEALED EITHER BY PREFORMED PLASTIC GASKET MATERIAL OR BY GROUT.
 - APPROVED PRODUCT INSERTS MAY BE USED IN LIEU OF DOWEL EMBEDMENT.

OPTIONAL CONSTRUCTION JOINTS

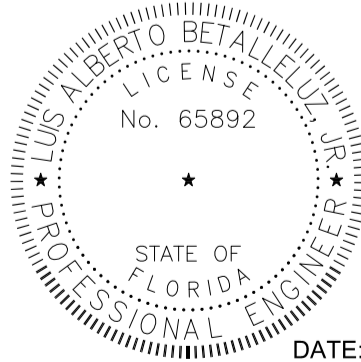
ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH
			SCALE: N.T.S.
			DATE: JUNE 2022 DWG. NO. 412-2

TRENCH BACKFILL / BEDDING CLASS 'B'



TRENCH BACKFILL / BEDDING CLASS 'A'

ENGINEERING STANDARDS 2022			
REVISIONS	BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH
			SCALE: N.T.S.
			DATE: JUNE 2022 DWG. NO. 203-1



DATE:



Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig!

MAY 29, 2024
LUIS A. BETALLELUZ, JR., P.E. FL P.E.# 65892
(NOT VALID WITHOUT SIGNATURE AND PROPER SEAL)

SHEET NAME:

CITY DETAILS

SHEET NUMBER: C 9.0

DRC
BETALLELUZ
JONES
PZ23-1200064
07/03/2024

A CIVIL ENGINEERING FIRM
EXPEDITING DEVELOPMENT

801 Brickell Avenue
Suite 800
Miami, Florida 33131

PH: 786.284.8828
FAX: 866.312.8730

FLORIDA CERTIFICATE OF AUTHORIZATION # 27431

PROJECT NUMBER: 23106

DRAWN BY: AH DESIGN BY: AH CHECK BY: LAB

ORIGINAL DRAWING DATE: 01/04/2023

REVISIONS:

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PROJECT NAME:

**TOWNHOMES
CANAL
DRIVE
POMPANO**

LOCATION:

3233 - 3237 CANAL DRIVE
POMPANO BEACH, FL 33062

FOR:

Mr. SERGE MICHAUD

3018 NE 20TH COURT
FT. LAUDERDALE, FL 33305

PLAN STATUS:
SUBMITTAL SET:
FOR AGENCY REVIEW
AND APPROVAL

THIS ITEM HAS BEEN DIGITALLY SIGNED AND
SEALED BY: LUIS A. BETALLELUZ, P.E.
ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE
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THE SIGNATURE MUST BE VERIFIED ON
ELECTRONIC COPIES