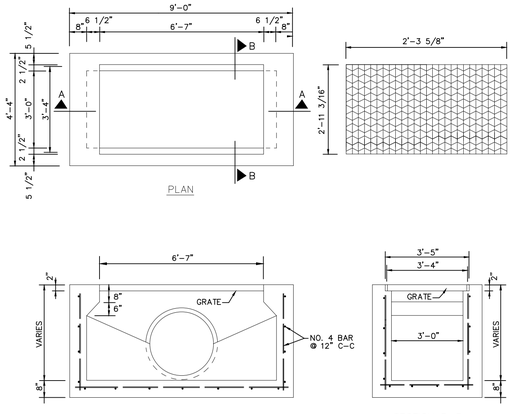
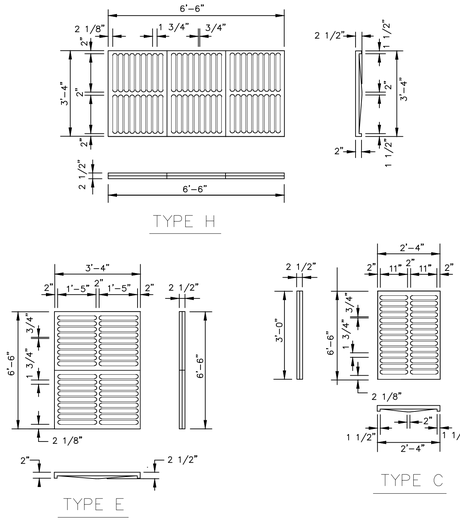
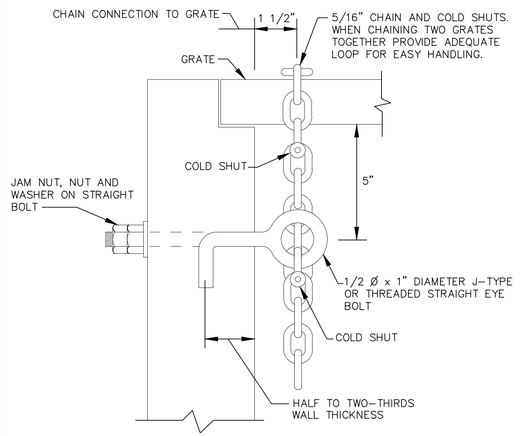


TYPE "H" INLET

RECOMMENDED MAXIMUM PIPE SIZE
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE



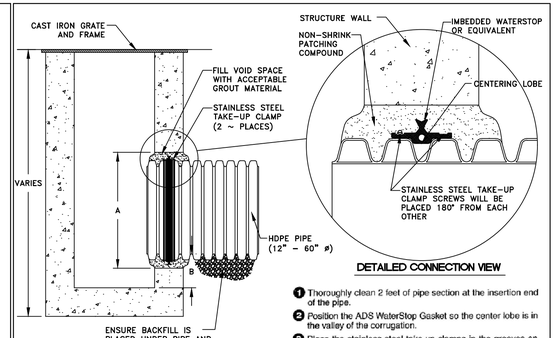
CAST IRON GRATES



NOTE: WHEN ALTERNATE "G" GRATE IS SPECIFIED, THE CHAIN, BOLT, NUTS, WASHER AND COLD SHUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE GRATE.

COST OF EYE BOLT AND CHAIN TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INLETS.

EYE BOLT AND CHAIN FOR LOCKING GRATES



1. Thoroughly clean 2 feet of pipe section at the insertion end of the pipe.
2. Position the ADS WaterStop Gasket so the center lobe is in the valley of the corrugation.
3. Place the stainless steel take-up clamps in the grooves on each side of the center lobe. Insure that both clamps lie on the crest of the pipe corrugations.
4. Position the take-up clamp screws 180° from each other. Using a torque ratchet or torque wrench, gradually tighten both screws of each clamp to 60 lbs./inch torque. Do not overtighten. A screw driver will not tighten clamps adequately.
5. Apply a good quality concrete bonding agent to the structure opening.
6. Insert pipe into the structure opening. Make sure that the ADS WaterStop is fully within the plane of the structure's wall. **If mortaring in place,** apply and compact non-shrink grout around the ADS WaterStop and between the pipe and the opening, taking care to fill the voids. Make sure that the ADS WaterStop Gasket does not contact the bare structure walls. **If pouring in place,** use concrete of sufficient slump to permit complete flow around the pipe and ADS WaterStop. Thoroughly vibrate all around the pipe and ADS WaterStop Gasket to complete compaction and to release any trapped air.
7. Allow concrete or mortar to fully cure before testing or backfilling. If the system is to be tested, testing should be completed prior to backfilling around the structure, following all recommendations and requirements of the test system manufacturer. Plug any vent holes in the N-12 pipe prior to testing.
8. Backfill the N-12 pipe following recommendations in ADS Product Note 3.115, *Installing N-12 Storm, Sanitary Sewer and Culvert Pipe.*

INSTALLATION RECOMMENDATIONS

PIPE SIZE (IN)	PIPE OD (IN) A-PROFILE	PIPE OD (IN) H-PROFILE	"A" MIN. HOLE Ø	"B" MIN. DISTANCE PIPE INVERT TO STRUCUTRE INVERT (IN)
12	14.5	14.2	18.00	3.7
15	17.6	17.8	23.00	4.0
18	21.2	21.5	26.50	4.2
24	27.8	28.4	33.25	4.5
30	35.1	35.5	40.50	5.2
36	41.1	41.4	47.00	5.5
42	47.7	48.0	53.00	5.7
48	53.6	54.0	59.00	5.7
60	66.3	67.3	72.00	6.4

WATER STOP SEAL

KEITH
301 East Atlantic Blvd.
Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

REVISIONS

NO.	DESCRIPTION	DATE

PRELIMINARY PLAN NOT FOR CONSTRUCTION

THESE PLANS ARE NOT FULLY PERMITTED AND ARE SUBJECT TO REVISIONS MADE DURING THE PERMITTING PROCESS.

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	07/23/2025
DESIGNED BY:	BB
DRAWN BY:	BB/FA
CHECKED BY:	NW
BID-CONTRACT:	

This item has been digitally signed and sealed by **NILES T. WARRICK, P.E.** on the date adjacent to the seal.

NILES T. WARRICK LICENSE No. 94320 STATE OF FLORIDA PROFESSIONAL ENGINEER

Signature must be verified on any electronic copies.

2025.07.25 10:01:12-04'00'

NILES T. WARRICK, P.E.
FLORIDA REG. NO. 94320
(FOR THE FIRM)

CLIENT

PORTMAN HOLDINGS

PROJECT

2400 E ATLANTIC
2400 East Atlantic Blvd.
Pompano Beach, FL

SHEET TITLE

WATER AND SEWER DETAILS

SHEET NUMBER CU-506

PROJECT NUMBER 14267.00

STATUS: PZB SET

Drawing name: H:\14267.00 - 2400 E Atlantic - Portman Holdings\Engineering\Cadd\14267.00-CU-SXX.dwg

Plotted by: jschnoor On 7/24/2025 3:55 PM

P&Z

PZ25-12000001

08/27/2025

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE
S.S.	09-11

ENGINEERING DIVISION
CITY OF POMPANO BEACH

TYPE "H" INLET

SCALE: N.T.S.

DATE: JUNE 2022
DWG. NO. 403-1

ENGINEERING STANDARDS 2022

REVISIONS BY | DATE

ENGINEERING DIVISION
CITY OF POMPANO BEACH

CAST IRON GRATES

SCALE: N.T.S.

DATE: JUNE 2022
DWG. NO. 410-1

ENGINEERING STANDARDS 2022

REVISIONS BY | DATE

ENGINEERING DIVISION
CITY OF POMPANO BEACH

EYE BOLT AND CHAIN

SCALE: N.T.S.

DATE: JUNE 2022
DWG. NO. 413-1

ENGINEERING STANDARDS 2022

REVISIONS BY	DATE
TCW	04-08

ENGINEERING DIVISION
CITY OF POMPANO BEACH

WATER STOP SEAL

SCALE: N.T.S.

DATE: MAY 2022
DWG. NO. 414-1