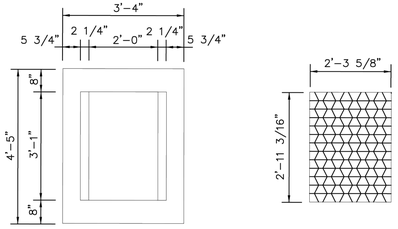
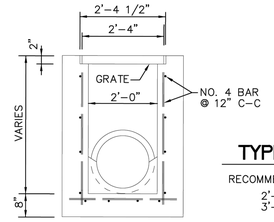
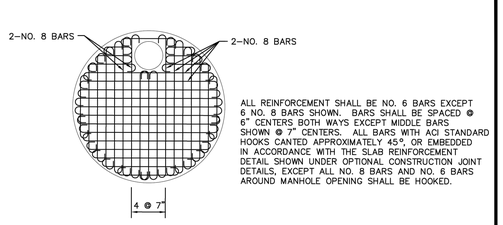




TYPE "C" INLET

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

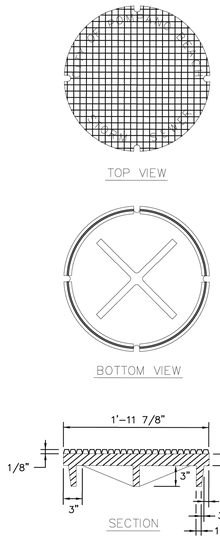
ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE: S.S. 09-11	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPE "C" INLET	DATE: JUNE 1996 DWG. NO. 400-1
	SCALE: N.T.S.		



TYPE 7-T (TRAFFIC H-20)

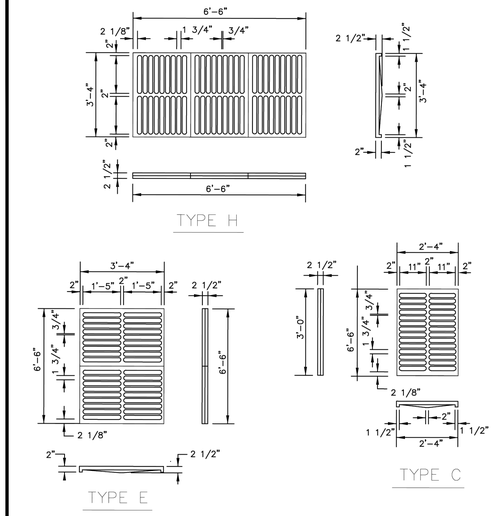
STRUCTURE TOP FOR MANHOLE AND JUNCTION BOX

ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	STRUCTURE TOP (TYPE 7-T)	DATE: JUNE 1996 DWG. NO. 408-2
	SCALE: N.T.S.		



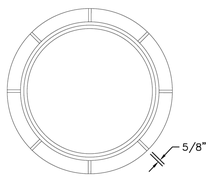
COVER FOR ALL FRAMES

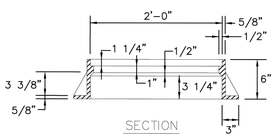
ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	COVER FOR MANHOLES AND INLETS	DATE: JUNE 1996 DWG. NO. 409-1
	SCALE: N.T.S.		



CAST IRON GRATES

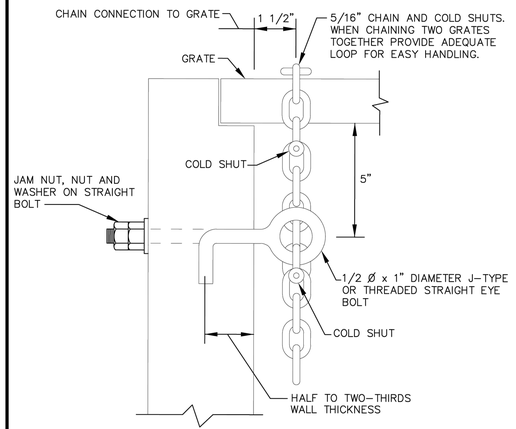
ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	CAST IRON GRATES	DATE: JUNE 1996 DWG. NO. 410-1
	SCALE: N.T.S.		





CAST IRON FRAME FOR MANHOLES

ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	CAST IRON FRAME FOR MANHOLES	DATE: JUNE 1996 DWG. NO. 411-1
	SCALE: N.T.S.		

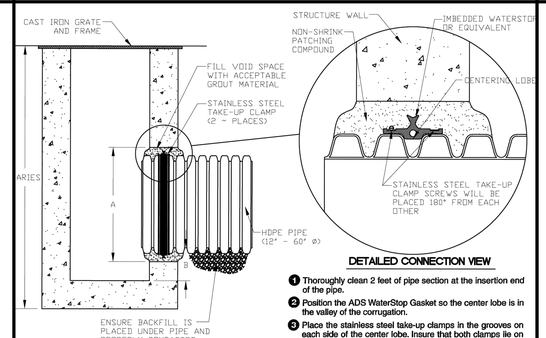


NOTE: WHEN ALTERNATE "G" GRATE IS SPECIFIED, THE CHAIN, BOLT, NUTS, WASHER AND COLD SHUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE GRATE.

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

EYE BOLT AND CHAIN FOR LOCKING GRATES

ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	EYE BOLT AND CHAIN	DATE: JUNE 1996 DWG. NO. 413-1
	SCALE: N.T.S.		



INSTALLATION RECOMMENDATIONS

PIPE SIZE (IN)	PIPE OD (IN) A-PROFILE	PIPE OD (IN) H-PROFILE	"A" MIN. "B" MIN. DISTANCE PIPE INVERT HOLE Ø	TO STRUCUTRE INVERT (IN)
12	14.5	14.2	19.00	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	35.3	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

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.

   Allow concrete or mortar to fully cure before testing or
7. 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.*

ENGINEERING STANDARDS 2019			
REVISIONS BY / DATE: TCW 04-08	ENGINEERING DIVISION CITY OF POMPANO BEACH	WATER STOP SEAL	DATE: APRIL 2008 DWG. NO. 414-1
	SCALE: N.T.S.		

DRC

PZ25-12000028

10/15/2025

No.	REVISIONS	DATE	BY

Kimley»Horn
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PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

Giovanni V Fernandez

KHA PROJECT 043175014	DATE 9/4/2025	SCALE AS SHOWN	DESIGNED BY GVF	DRAWN BY EA	CHECKED BY GVF

PAVING GRADING & DRAINAGE DETAILS

MODERA POMPANO BEACH

PREPARED FOR

MCRT INVESTMENTS LLC

POMPANO BEACH FLORIDA

SHEET NUMBER C-305

Plotted By:Jaybal Emmanuel Sheet Set:MILLCREEK(POMPANO Layout:C-305 PAVING,GRADING & DRAINAGE DETAILS) Date/Time:Wed 09.27.2006 10:38:06am User:KHFTE) Civil(345) dgn:\\Pompano\Design\CADD\Plan Sheets\C-PGD_DET1.dwg
Pompano\Design\CADD\Plan Sheets\C-PGD_DET1.dwg
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