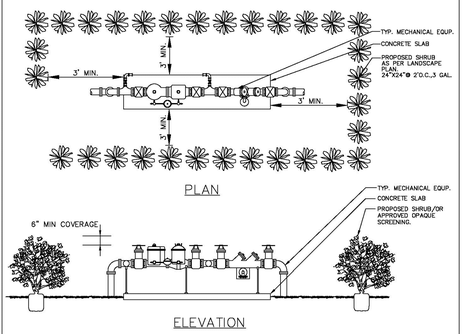
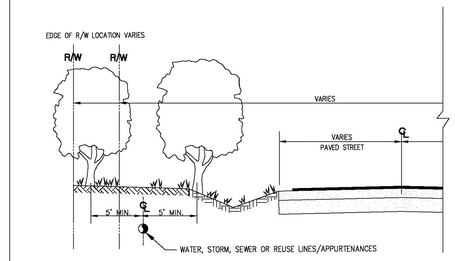


TYPICAL SCREEN FOR UTILITIES

NOTES
PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(E), 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 2025

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

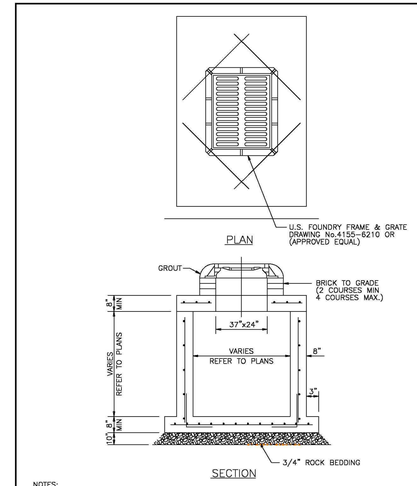


TREE LOCATIONS REQUIRED IN PUBLIC R/W ON UTILITY EASEMENTS

NOTES
PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(E), 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 2025

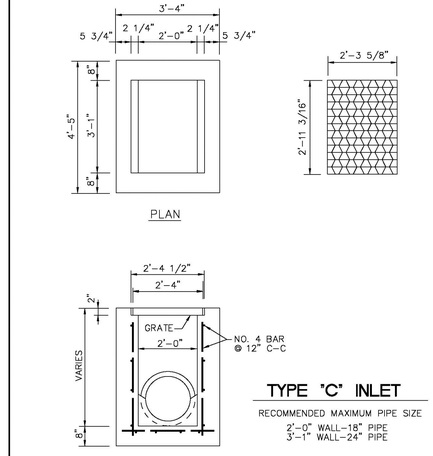
REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	REQUIRED TREE LOCATIONS	
BY	DATE		APPROVED BY:	DATE: MAY 2022
		SCALE: N.T.S.		DWG. NO. 316-1



NOTES:
1. STEEL PER FDOT INDEX 425-010.
2. MINIMUM 18" SUMP.
3. TYPE II CEMENT, MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	PRECAST DRAINAGE STRUCTURE	
BY	DATE			DATE: APRIL 2024
A.S.	04-24	SCALE: N.T.S.		DWG. NO. 400-1A

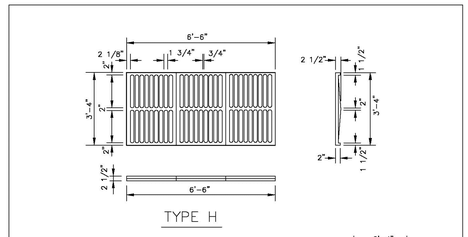


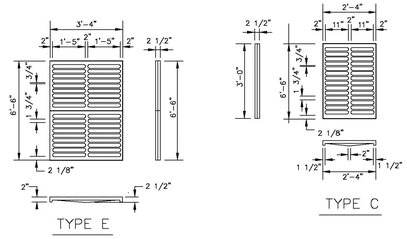
TYPE "C" INLET

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

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPE "C" INLET	
BY	DATE			DATE: JUNE 2022
S.S.	09-11	SCALE: N.T.S.		DWG. NO. 400-1B

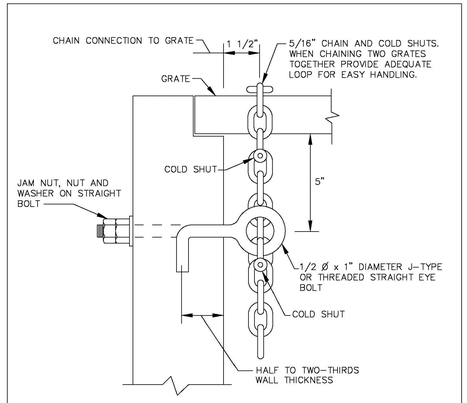




CAST IRON GRATES

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	CAST IRON GRATES	
BY	DATE			DATE: JUNE 2022
		SCALE: N.T.S.		DWG. NO. 410-1



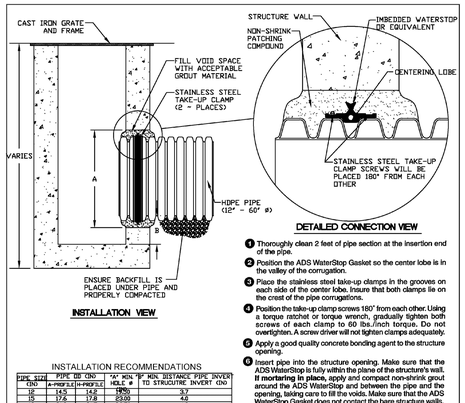
NOTE: WHEN ALTERNATE "G" GRATE IS SPECIFIED, THE CHAIN, BOLT, NUTS, WASHER AND COLD SHUTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE GRATE.

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 2025

REVISIONS		ENGINEERING DIVISION CITY OF POMPANO BEACH	EYE BOLT AND CHAIN	
BY	DATE			DATE: JUNE 2022
		SCALE: N.T.S.		DWG. NO. 413-1



INSTALLATION RECOMMENDATIONS

PIPE SIZE CDO	PIPE ID CDO A-PROFILE	PIPE ID CDO H-PROFILE	"A" MIN "B" HOLE ø	MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT CDO
12	14.5	14.2	19.00	3.7
15	17.6	17.8	23.00	4.0
18	21.6	20.5	24.50	4.0
24	27.8	28.4	33.25	4.5
30	35.1	35.3	40.50	5.0
36	41.1	43.4	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.
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.*

ENGINEERING STANDARDS 2025

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

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

Plotted by: dosuna On 8/27/2025 11:13 AM

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:	08/27/2025
DESIGNED BY:	BB
DRAWN BY:	JS
CHECKED BY:	NW
BID-CONTRACT:	

This item has been digitally signed and sealed by **Thomas F. Donahue**, P.E. on the date adjacent to the seal.
Signature must be verified on any electronic copies.

THOMAS F. DONAHUE LICENSE No. 60529 STATE OF FLORIDA PROFESSIONAL ENGINEER

2025.08.27 14:47:58-04'00'

THOMAS F. DONAHUE, P.E.
FLORIDA REG. NO. 60529
(FOR THE FIRM)

CLIENT
FIRST INDUSTRIAL

PROJECT
**FIRST 95 DISTRIBUTION CENTER- PHASE II
1000-1041 NW 12th Ter.
Pompano Beach, FL**

SHEET TITLE
WATER AND SEWER DETAILS

SHEET NUMBER	CU-505
PROJECT NUMBER	10607.14

Drawing name: Q:\10607.14 - First 95 Distribution Center - PH 2 - First Industrial\Engineering\Cadd\10607.14-CU-5XX.dwg

STATUS: PRELIMINARY

DRC
PZ25-12000030
10/01/2025