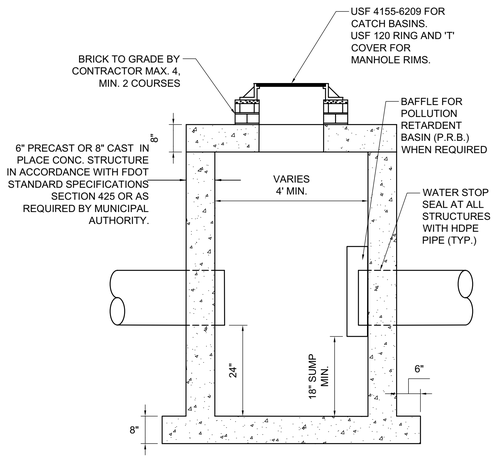
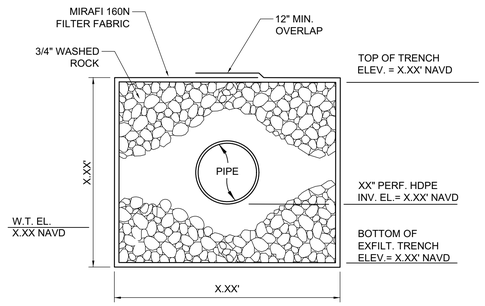


NOTES:
1. STRUCTURE MANUFACTURER AND/OR CONTRACTOR SHALL CONFIRM ALL STEEL REINFORCEMENT MEETS FDOT STANDARDS PER INDEX 425-010, SECTION 415 AND 425 PRIOR TO SUBMITTING ANY SHOP DRAWINGS FOR APPROVAL.
2. LOCKING GRATES TO BE PROVIDED.

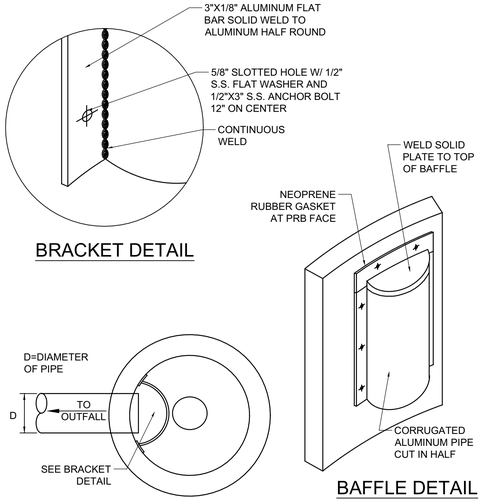
6 CATCH BASIN / DRAINAGE MANHOLE DETAIL

NOT TO SCALE



7 EXFILTRATION TRENCH DETAIL

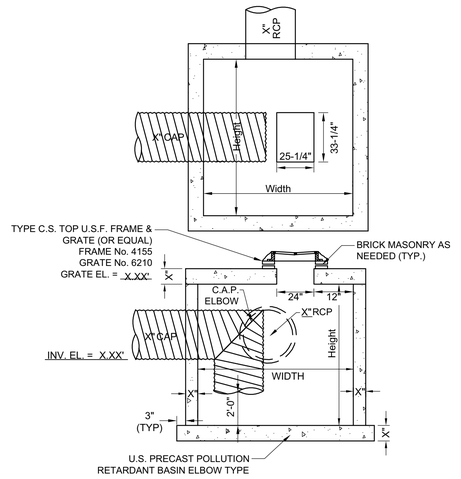
NOT TO SCALE



NOTE:
BAFFLE TO BE A SECTION OF CAP CUT IN HALF. CAP FOR BAFFLE SHALL BE THE NEXT STANDARD PIPE DIAMETER LARGER THAN THE INFLOW/ OUTFLOW PIPE.

8 POLLUTION RETARDENT BAFFLE DETAIL

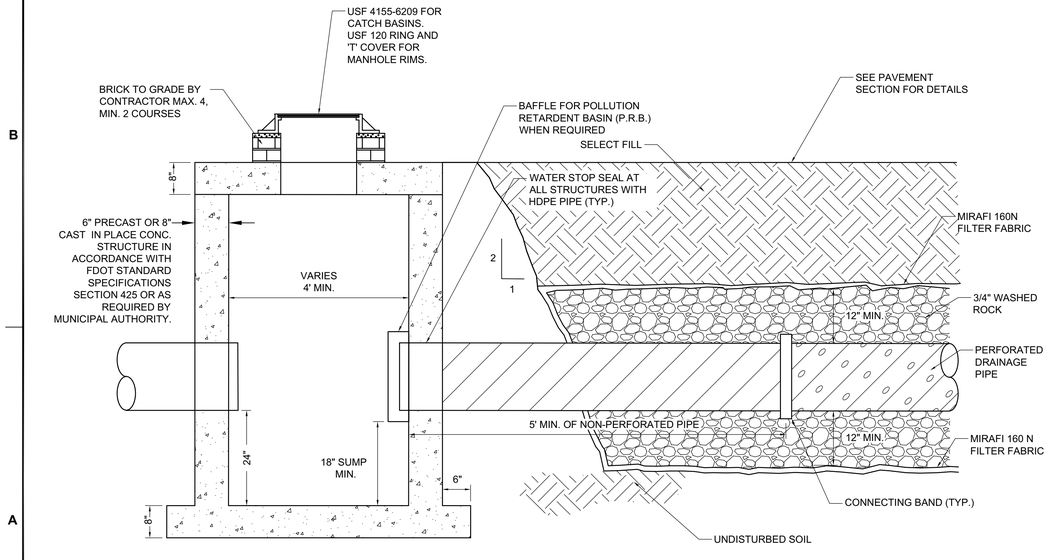
NOT TO SCALE



NOTE:
SEE TYPE 'C' STRUCTURE (RECTANGULAR) FOR REINFORCEMENT

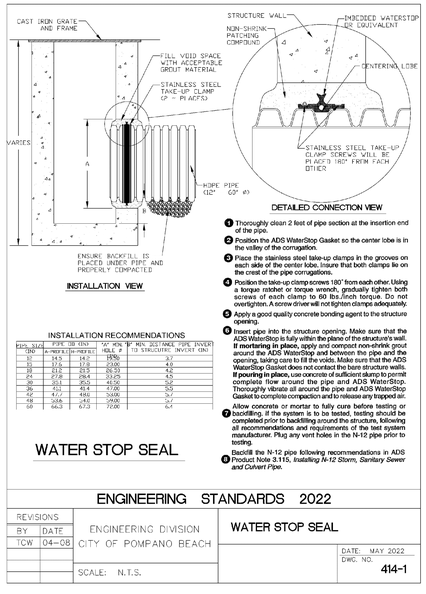
9 POLLUTION RETARDENT STRUCTURE (ELBOW TYPE)

NOT TO SCALE



10 CATCH BASIN W/ PRB AND EXFILTRATION TRENCH

NOT TO SCALE



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

NOM. SIZE (IN)	PIPE I.D. (IN.) MINIMUM	PIPE I.D. (IN.) MAXIMUM	"A" MIN. "B" MIN. HOLE Ø	MIN. DISTANCE PIPE INVERT TO STRUCTURE INVERT (IN.)
12	11.5	14.2	18"/30"	3.7
15	13.5	17.0	22"/36"	4.6
18	17.0	19.7	26"/42"	5.2
24	23.0	25.3	32"/48"	6.2
30	29.0	30.5	44"/56"	7.0
36	35.0	40.4	51"/66"	9.5
42	41.0	46.6	56"/72"	10.7
48	47.0	52.8	62"/78"	11.7
60	59.0	65.2	74"/90"	14.4

WATER STOP SEAL

ENGINEERING STANDARDS 2022

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

Plotted by: jweaver On 1/25/2023 2:16 PM

REVISIONS

NO.	DESCRIPTION	DATE

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:	-/-/-
DESIGNED BY:	RG
DRAWN BY:	AS
CHECKED BY:	TD
BID-CONTRACT:	

This item has been digitally signed and sealed by Thomas F. Donahue, P.E. on the date below using a Digital Signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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

2023.01.25 16:24:29-05'00'

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

CLIENT

FIRST INDUSTRIAL

PROJECT

FIRST ANDREWS LOGISTICS CENTER
1801 N ANDREWS AVE
POMPANO BEACH, FL 33069

SHEET TITLE

PAVING, GRADING, AND DRAINAGE DETAILS

SHEET NUMBER	CP 502
PROJECT NUMBER	12866.01

STATUS: PRELIMINARY

Drawing name: T:\12866.01 - 1801 N Andrews - Next Phase - First Industrial\Engineering\Cad\12866.01-CP-5XX.dwg

DRC
PZ22-12000052
03/01/2023