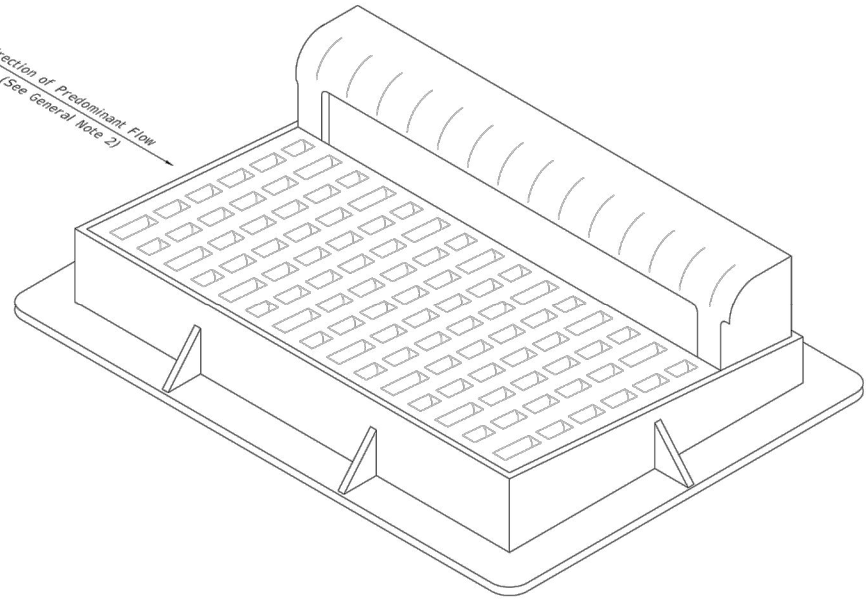


FILE PATH: \\A01014 - Chick-fil-A\A01014-01-2023\Drawings\10 Pompano\Engineering\Engineering Plans\Drawn\11-01014-01-2023-DET.dwg 8/24/2023
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGN PRESENTED HEREIN, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY BOWMAN CONSULTING SHALL BE WITHOUT LIABILITY TO BOWMAN CONSULTING.

GENERAL NOTES:

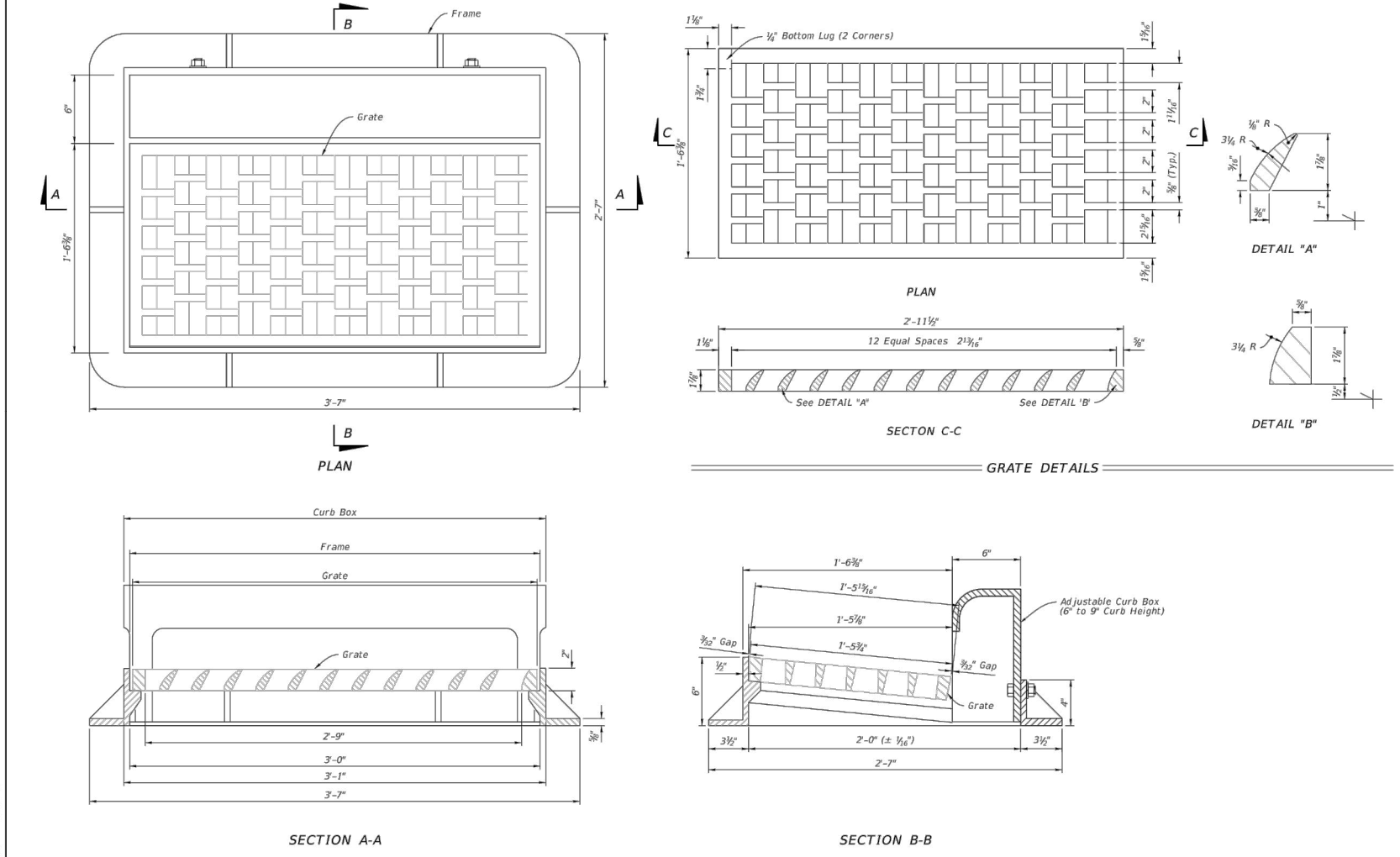
1. Work this Index with Index 425-001 and Index 425-002.
2. Drive grate with vane directed toward downstream flow.
3. Provide 1/2" minimum cover for steel in slab (top unless otherwise shown). Taps may be either cast-in-place or precast concrete.
4. Place top slab openings such that 2 edges of steel frame will be located directly above bottom wall or curb wall for alignment & stabilization.
5. When used on a structure with dimensions larger than those detailed on Sheet 3 and frames will be spliced, connect the top and bottom frames with 4x4x8 with the side opening adjusted to 24x36". The "Special Top Slab" on Index 425-002 is not permitted.
6. Frame may be adjusted with one to six courses of 4x12s.
7. Vane grate with approximately equal openings that satisfy ADOT's H-40 loading are permitted. Provide repeatable depth or width grates.

TABLE OF CONTENTS:	
Sheet	Description
1	General Notes and Contents
2	Frame and Grate Details
3	Top Slab Details



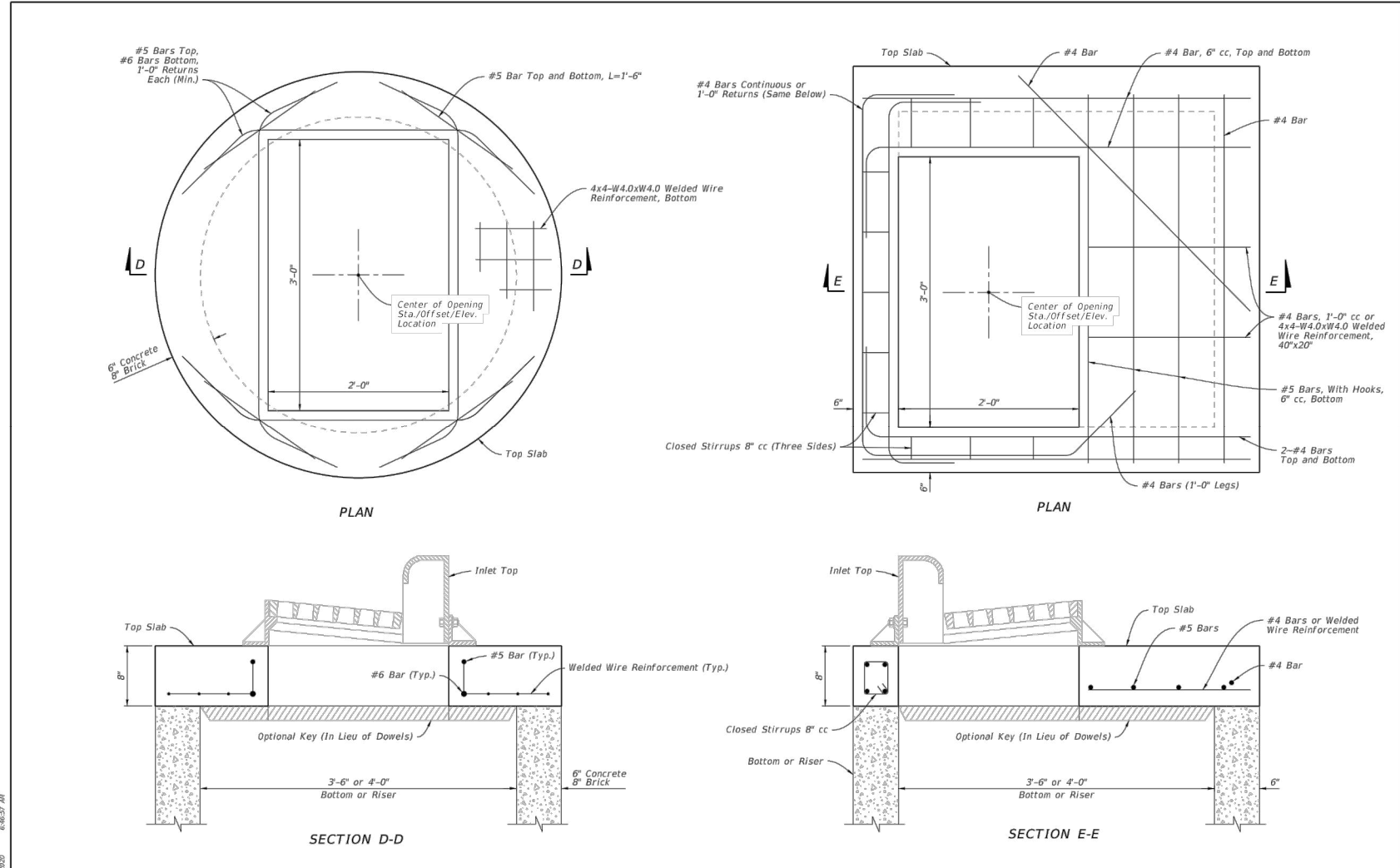
CURB INLET TOP TYPE 9

LAST REVISION	DESCRIPTION	DATE	BY	APP'D	DATE	BY	APP'D	INDEX	SHEET
11/01/20	1							425-024	1 of 3



LAST REVISION	DESCRIPTION	DATE	BY	APP'D	DATE	BY	APP'D	INDEX	SHEET
11/01/20	1							425-024	2 of 3

1 TYPE 9 CURB INLET
C-5.1 NOT TO SCALE

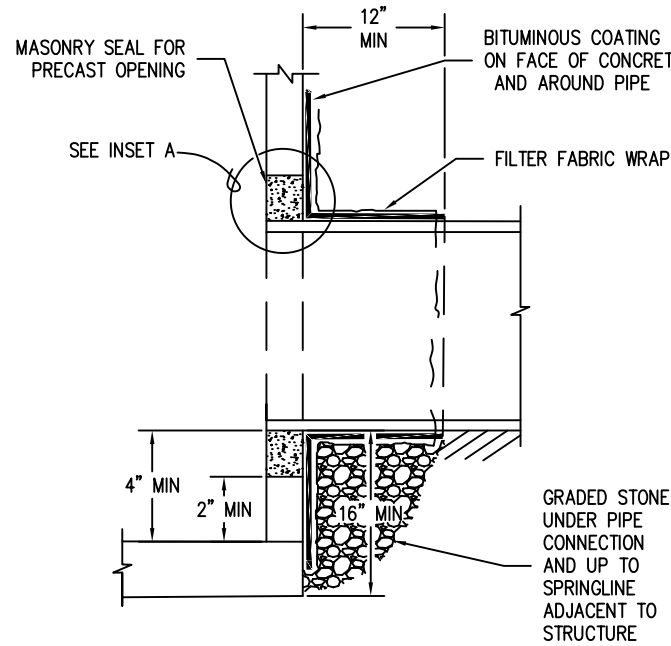


LAST REVISION	DESCRIPTION	DATE	BY	APP'D	DATE	BY	APP'D	INDEX	SHEET
11/01/20	1							425-024	3 of 3

THIS DETAIL COVERS ALL PIPE CONNECTIONS TO STRUCTURES.

NEW PIPE CONNECTION NOTES:

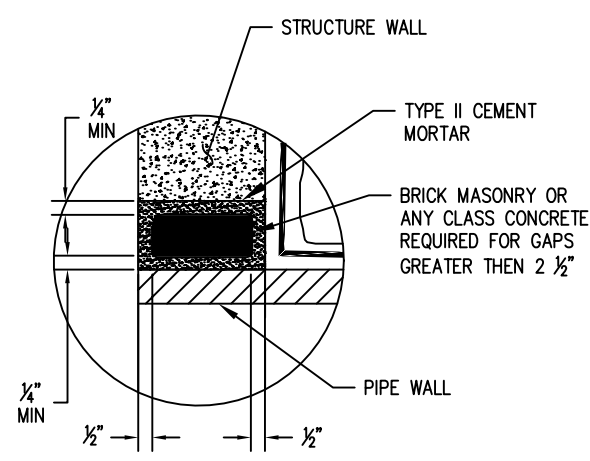
1. CONNECTION SHALL BE MADE IN A DRY TRENCH.
2. EXISTING STRUCTURES SHALL BE CURED FOR NEW PIPE CONNECTIONS.
3. PIPE BEDDING AT CONNECTION TO BE 1/4" TO 3/4" GRADED STONE (100% PASSING 1" SIEVE).
4. BACKFILL (8" MAX. SIZE) MATERIAL TO BE PLACED AND COMPACTED PER APPROPRIATE SPEC'S DEPENDING ON THE SURFACE IMPROVEMENTS OR A MINIMUM OF 90% PER AASHTO T-180.
5. BITUMINOUS COATING REQUIRED (ANY SUITABLE BITUMINOUS MATERIAL MAY BE FIELD APPLIED) BITUMINOUS COATING TO EXTEND 2' BEYOND FILTER FABRIC.
6. ALTERNATE CONNECTION AND/OR MODIFICATION TO THIS DETAIL MUST BE APPROVED BY THE TOWN OF JUPITER PRIOR TO INSTALLATION.
7. INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SM-5.



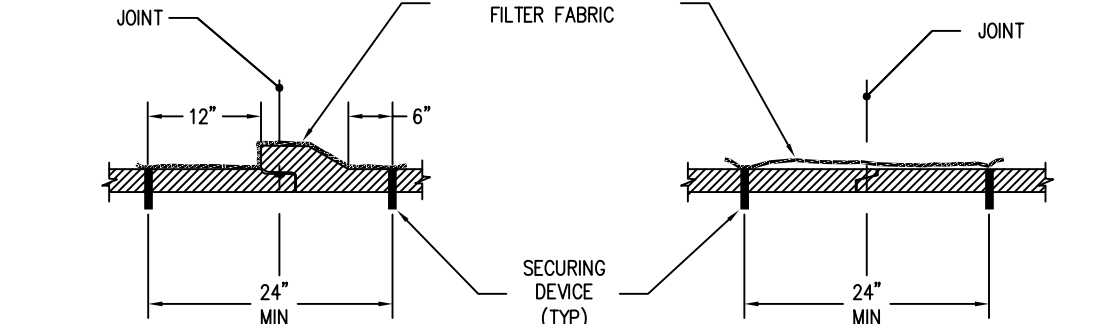
INSET A

EXISTING PIPE CONNECTION REPAIR NOTES:

1. CONNECTION REPAIR SHALL BE MADE IN A DRY TRENCH.
2. REPAIR BOTH THE INSIDE AND OUTSIDE OF THE STRUCTURE PENETRATIONS.
3. CHIP AWAY ANY LOOSE MATERIAL.
4. SMOOTH OR CUT BACK THE EXTREMES OF THE REPAIR LOCATION TO A DEPTH OF 3/4" TO AVOID FEATHER EDGING.
5. MINIMUM MIN. THICKNESS FOR REPAIR IS 1/2".
6. WHERE BREAKING OUT IS NOT REQUIRED, ROUGHEN THE SURFACE AND REMOVE ANY LANTAGE BY LIGHT SCABBING OR ABRASIVE BLASTING.
7. CLEAN SURFACE TO REMOVE ANY DUST, UNDESIRABLE OR CONTAMINATED MATERIAL, PLASTER, PAINT, OIL, GREASE, CORROSION DEPOSITS OR ALKALI.
8. APPLY THOROC LAM or APPROVED EQUAL IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
9. ALTERNATE CONNECTION AND/OR MODIFICATION TO THIS DETAIL MUST BE APPROVED BY THE TOWN OF JUPITER PRIOR TO INSTALLATION.
10. ITEMS 3 THROUGH 8 UNDER NEW PIPE CONNECTION NOTES ABOVE APPLY TO REPAIR ON OUTSIDE OF STRUCTURE.
11. INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SM-5.

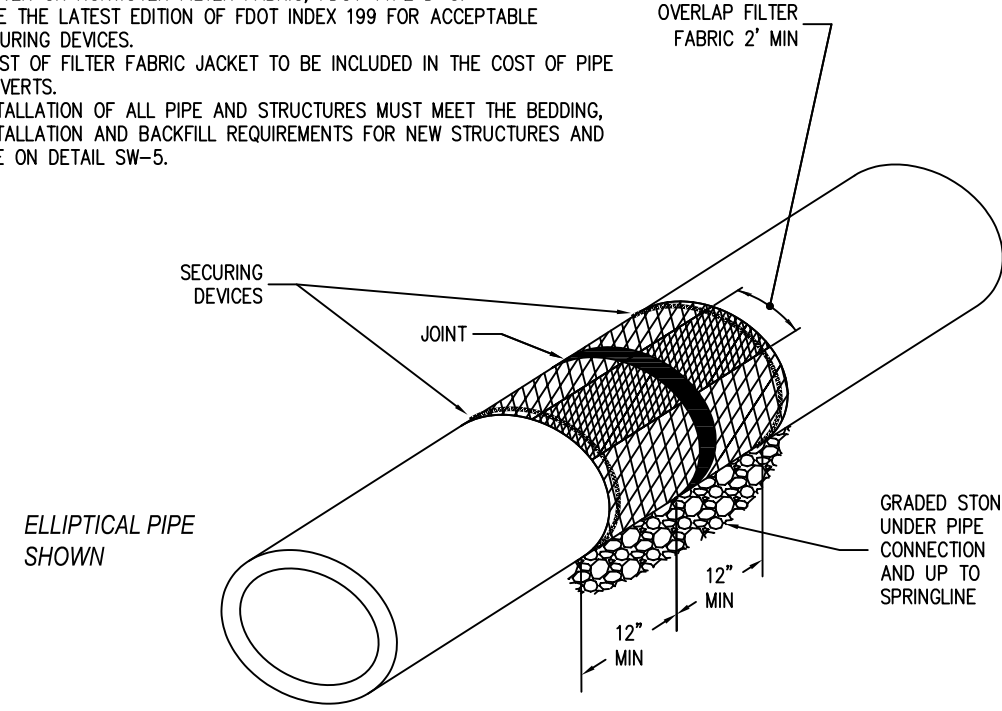


2 PIPE TO STRUCTURE CONNECTION
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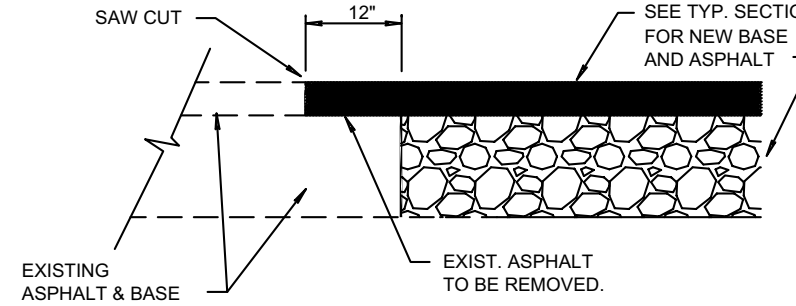


NOTE:

1. SECURING DEVICES MAY BE ELIMINATED BY DOUBLE WRAPPING PIPE WITH FILTER FABRIC.
2. FOR ALL PIPE TYPES - CONCRETE PIPE SHOWN.
3. WOVEN OR NONWOVEN FILTER FABRIC, FOOT TYPE D-3.
4. SEE THE LATEST EDITION OF FDOT INDEX 199 FOR ACCEPTABLE SECURING DEVICES.
5. COST OF FILTER FABRIC JACKET TO BE INCLUDED IN THE COST OF PIPE CURBVERTS.
6. INSTALLATION OF ALL PIPE AND STRUCTURES MUST MEET THE BEDDING, INSTALLATION AND BACKFILL REQUIREMENTS FOR NEW STRUCTURES AND PIPE ON DETAIL SM-5.



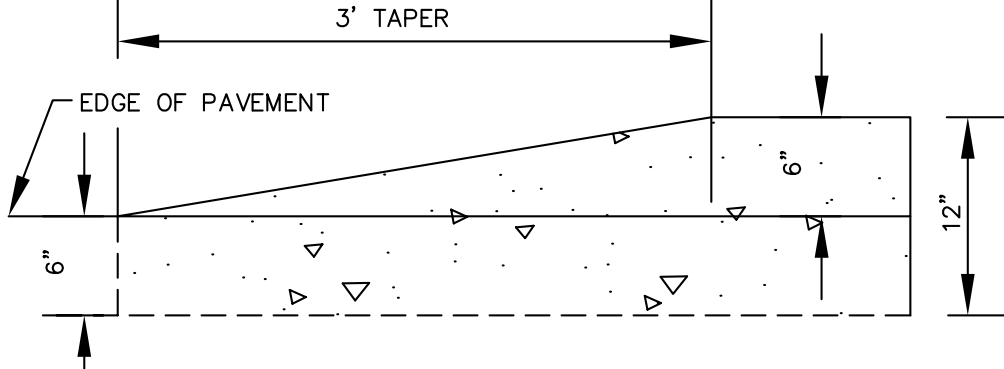
3 FILTER FABRIC FOR STORM PIPE
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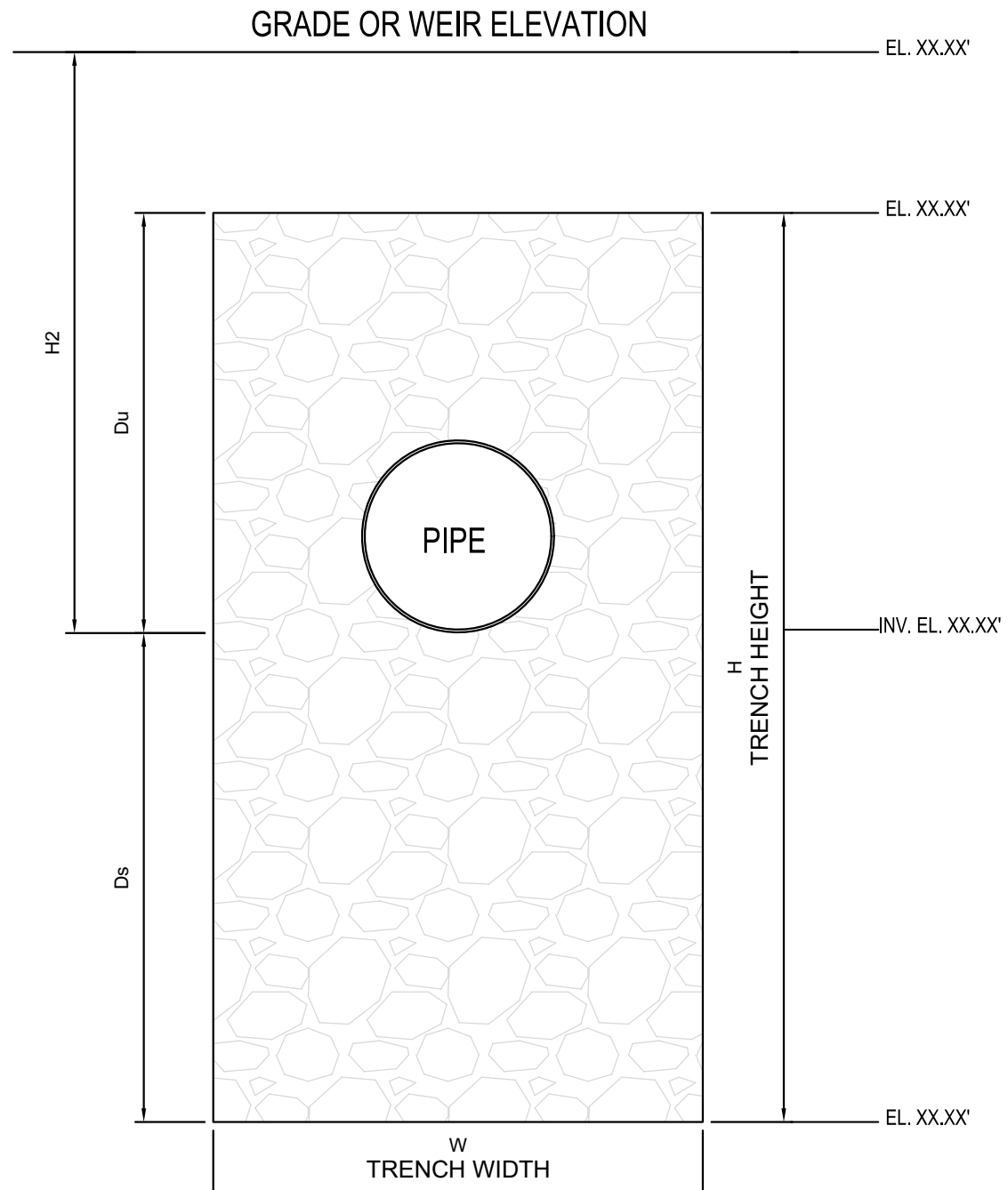
NOTE:

THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.

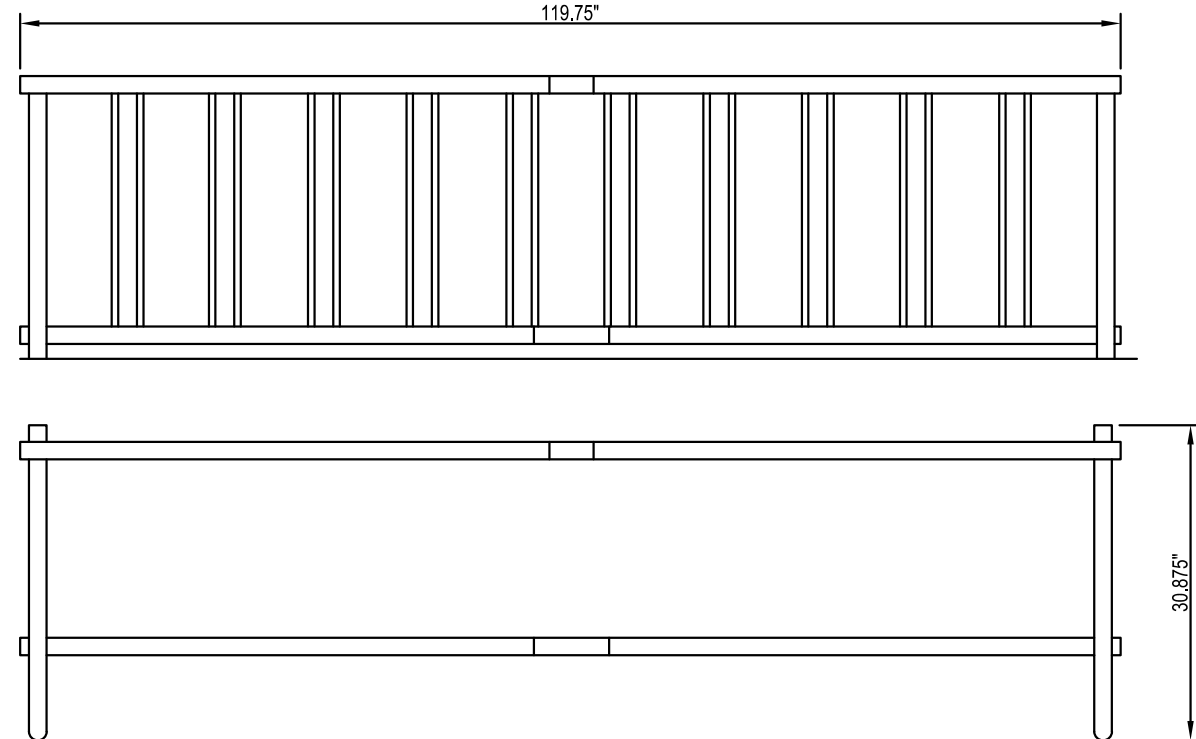
4 NEW CONSTRUCTION PAVEMENT JOINT
C-5.1 NOT TO SCALE



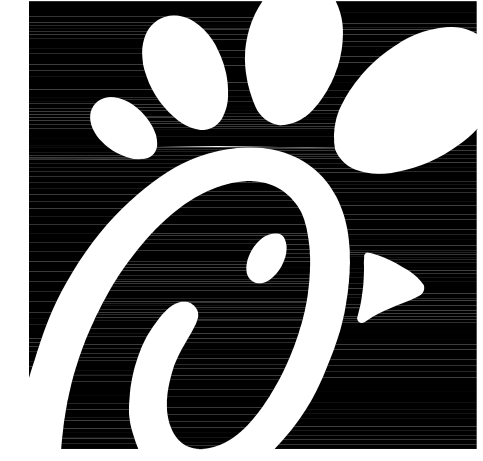
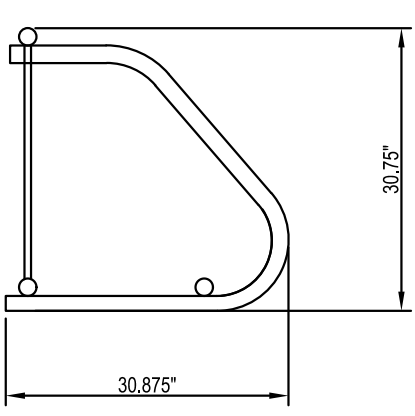
5 TRANSITION CURB
C-5.1 NOT TO SCALE



6 EXFILTRATION TRENCH DIMENSIONS
C-5.1 NOT TO SCALE



7 10 BIKE GRID BIKE RACK DETAIL
C-5.1 NOT TO SCALE



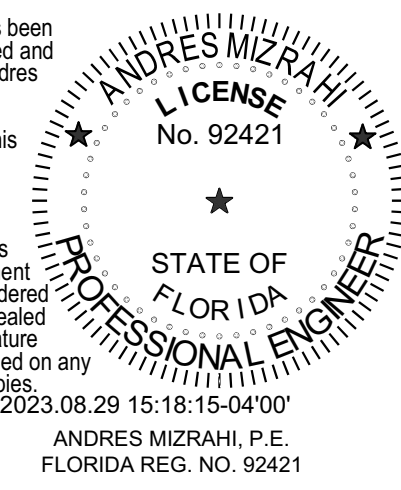
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Seal

This item has been digitally signed and sealed by Andres Mizrahi, P.E. on the date adjacent to this seal.



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FLORIDA REG. NO. 92421

CHICK-FIL-A
ATLANTIC & POWERLINE
2100 W ATLANTIC BLVD
POMPANO BEACH, FL 33069

FSR#05557

BUILDING TYPE / SIZE: P14 LS BN

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION

CONSULTANT PROJECT #	010014-01-208
PRINTED FOR	PERMIT
DATE	8/24/2023
DRAWN BY	STC

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SHEET	CONSTRUCTION DETAILS
SHEET NUMBER	

PERMIT
P23-1200037
10/04/2023
C-5.1