

THE AQUALUX™ IS A STORMWATER FILTRATION TECHNOLOGY THAT RELIES ON SEDIMENTATION & FILTRATION MECHANISMS TO REMOVE TOTAL SUSPENDED SOLIDS, TOTAL PHOSPHORUS, TOTAL NITROGEN, HEAVY METALS, OIL AND GREASE, TRASH AND BACTERIA.

Model	Maximum Filters	Minimum Vault Size ³ (ft)	Filter Bay (ft)	Minimum Inlet Bay (ft)	Filtration Contact Area (sf)	Mass Capture Capacity (lbs)	MTFR ¹ (cfs)	Maximum Allowable Drainage Area ² (acres)
AQUALUX10	10	4 x 4	4 x 2	1.75 x 1.5	10.6	183.5	0.446	0.306
AQUALUX20	20	4 x 8	4 x 4	1.75 x 3.5	22.1	366.9	0.891	0.612
AQUALUX28	28	6 x 6	6 x 4	2.75 x 1.5	28.1	513.7	1.248	0.856
AQUALUX30	30	4 x 10	4 x 6	1.75 x 3.5	30.1	550.4	1.337	0.917
AQUALUX35	35	4 x 12	4 x 7	1.75 x 4.5	35.9	642.1	1.560	1.070
AQUALUX40	40	8 x 8	8 x 4	3.75 x 3.5	45.1	733.8	1.783	1.223
AQUALUX42	42	6 x 9	6 x 6	2.75 x 2.5	42.9	770.5	1.872	1.284
AQUALUX49	49	6 x 10	6 x 7	2.75 x 2.5	48.9	898.9	2.184	1.498
AQUALUX56	56	6 x 12	6 x 8	2.75 x 3.5	57.6	1027.3	2.496	1.712
AQUALUX60	60	8 x 10	8 x 6	3.75 x 3.5	61.1	1100.7	2.674	1.935
AQUALUX70	70	8 x 12	8 x 7	3.75 x 4.5	72.9	1284.2	3.120	2.140
AQUALUX90	90	8 x 15	8 x 9	3.75 x 5.5	92.6	1651.1	4.011	2.752
AQUALUX100	100	8 x 16	8 x 10	3.75 x 5.5	100.6	1834.5	4.456	3.058
AQUALUX108	108	10 x 14	10 x 9	4.75 x 4.5	111.4	1981.3	4.813	3.302
AQUALUX120	120	8 x 20	8 x 12	3.75 x 7.5	124.1	2201.4	5.348	3.669
AQUALUX126	126	12 x 14	12 x 9	5.75 x 4.5	133.9	2311.5	5.615	3.852
AQUALUX132	132	10 x 16	10 x 11	5.5 x 4.5	134.8	2421.6	5.883	4.036
AQUALUX150	150	8 x 24	8 x 15	3.75 x 8.5	151.9	2751.8	6.685	4.586
AQUALUX154	154	12 x 16	12 x 11	5.75 x 4.5	157.9	2825.1	6.863	4.709
AQUALUX168	168	10 x 21	10 x 14	4.75 x 6.5	170.9	3082.0	7.487	5.137
AQUALUX182	182	12 x 18	12 x 13	6 x 4.5	183.0	3338.8	8.111	5.565
AQUALUX192	192	10 x 24	10 x 16	4.75 x 7.5	195.6	3522.3	8.556	5.870
AQUALUX210	210	12 x 21	12 x 15	5.75 x 5.5	211.6	3852.5	9.359	6.421
AQUALUX224	224	12 x 22	12 x 16	5.75 x 5.5	223.6	4109.3	9.983	6.849

1. MTRF is based on 0.146 gpm/ft² (0.0003253 cfs/ft²) of effective filtration treatment area.
2. Drainage area is calculated based on 600 lbs. of mass contributed per acre of drainage area annually.
3. Minimum vault size required to meet ESTA/EFTA ratio of 0.0073

AQUALUX SPECIFICATIONS

PRODUCTS

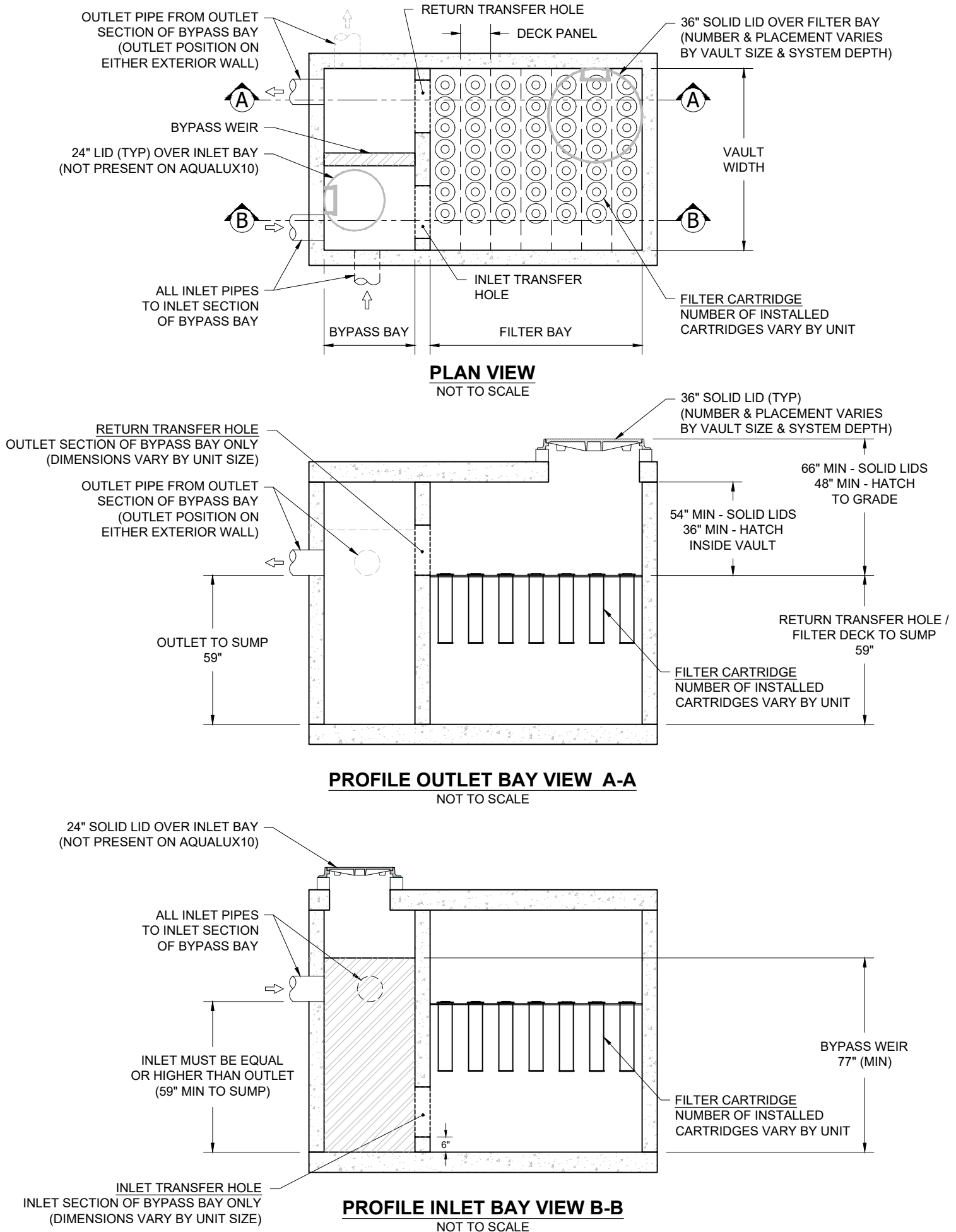
- A. INTERNAL COMPONENTS: SHALL BE 304 STAINLESS STEEL MATERIALS FOR VAULT INSTALLATIONS.
- B. FILTER MEDIA: FILTER MEDIA IS PLEATED MEMBRANE MATERIAL WITH PLASTIC FITTINGS.
- C. CONCRETE STRUCTURES: DESIGNED FOR H-20 AND/OR HS-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

PERFORMANCE

- A. THE STORMWATER FILTER SYSTEM SHALL BE AN ONLINE OR OFFLINE DESIGN BASED ON LOCAL REQUIREMENTS CAPABLE OF TREATING 100% OF THE REQUIRED TREATMENT FLOW AT FULL SEDIMENT LOAD CONDITIONS.
- B. THE STORMWATER FILTER SYSTEM SHALL HAVE NO MOVING PARTS.
- C. THE STORMWATER FILTER SYSTEM SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF SUSPENDED SOLIDS.

AQUALUX INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED DIRECTLY FROM YOUR LOCAL ADS REPRESENTATIVE OR BY LOGGING ON TO WWW.ADSPIPE.COM.



**AQUALUX VAULT W/BYPASS
GENERAL CONFIGURATION
NJDEP APPROVAL**

DRAWN: JLM

DATE: 09/22/26

DRAWN: JLN

[illegible]

AQUALUX™

Stormwater Filter

WWW.ADSPIPE.COM

1 SHEET OF 1

THIS DRAWING WAS PREPARED BASED ON INFORMATION PROVIDED BY THE CLIENT OR THEIR PROJECT REPRESENTATIVE. THIS DRAWING IS NOT INTENDED FOR USE IN BIDDING OR CONSTRUCTION WITHOUT THE EIGHTS OF THE PROJECT'S ENGINEER OF RECORD. THE PROJECT'S ENGINEER OF RECORD SHALL REVIEW THIS DRAWING PRIOR TO BIDDING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE EOR TO ENSURE THAT THE PROJECT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE REGULATIONS, AND PROJECT REQUIREMENTS.