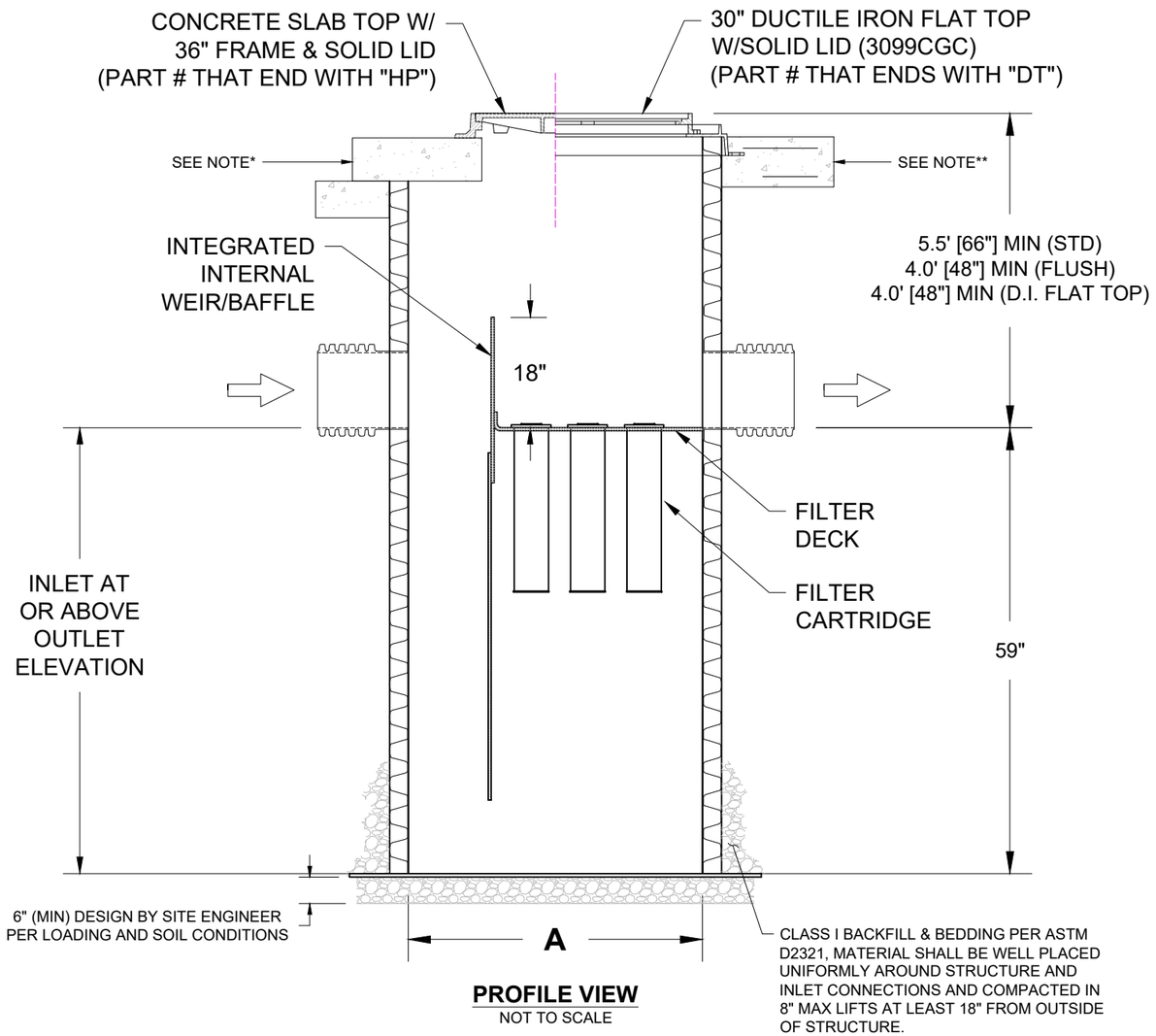
PRODUCT SPECIFICATIONS

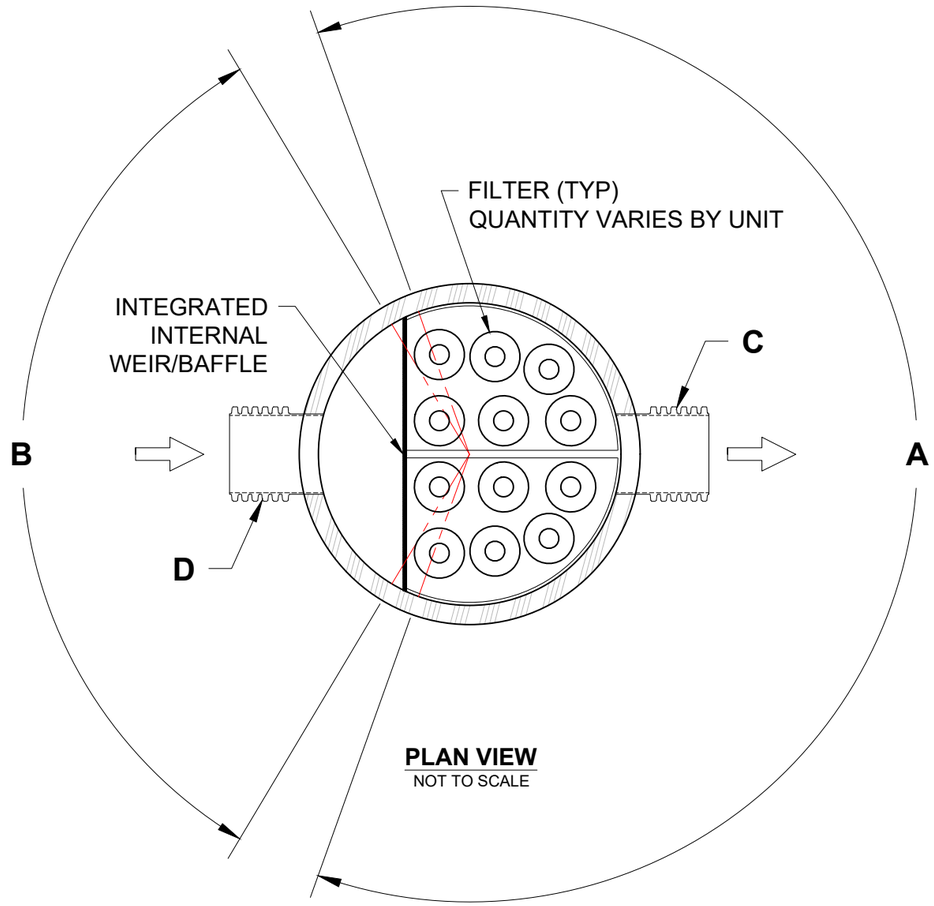
A. THE STORMWATER FILTER SYSTEM SHALL BE AN ONLINE OR OFFLINE DESIGN BASED ON LOCAL REQUIREMENTS CAPABLE OF TREATING 100% OF THE REQUIRED TREATMENT FLOW AT FULL SEDIMENT LOAD CONDITIONS.
B. THE STORMWATER FILTER SYSTEM SHALL HAVE NO MOVING PARTS.
C. THE STORMWATER FILTER SYSTEM SHALL BE DESIGNED TO REMOVE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

MODEL	STRUCTURE DIAMETER	MAXIMUM INSTALLED FILTERS	MAXIMUM TREATMENT RATE[1] (CFS)	MAXIMUM DRAINAGE AREA[2]	ALLOWABLE PIPE ANGLE		MAXIMUM PIPE DIAMETER	
					OUTLET "A"	INLET "B"	OUTLET "C"	INLET "D"
AQUALUX7HP	36"	7	0.312	0.214	199.5°	119.5°	18"	18"
AQUALUX7HPDT	36"	7	0.312	0.214	199.5°	119.5°	18"	18"
AQUALUX12HP	48"	12	0.535	0.367	207.0°	122.5°	24"	24"
AQUALUX12HPDT	48"	12	0.535	0.367	207.0°	122.5°	24"	24"
AQUALUX19HP	60"	19	0.847	0.581	211.0°	124.5°	36"	36"

1. MTFR is based on 0.146 gpm/ft2 (0.0003253 cfs/ft2) of effective filtration treatment area.
2. Drainage area is calculated based on NJDEP sizing guideline of 600 lbs. of mass contributed per acre of drainage area annually.



PROFILE VIEW
NOT TO SCALE



PLAN VIEW
NOT TO SCALE

NOTES:

- ENGINEER / CONTRACTOR TO CONFIRM PIPE MATERIALS AND APPLICABLE ADAPTERS
- CONTRACTOR IS RESPONSIBLE FOR MATERIAL AND LABOR TO BRING CASTINGS TO FINISHED GRADE
- CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
- UNIT SHALL CONFORM TO HS20-44 LOAD RATINGS.
- STUB SIZES SMALLER THAN 12" REQUIRE THE USE OF AN INSERTA TEE

* CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS.

** SUPPLIED BY ADS FOR LOADS NOT TO EXCEED HL-93; SEE STD-414 FOR FURTHER DETAILS OF FRAME & COVER. ALTERNATE LID & FRAME BY OTHERS AS ALLOWED PER DESIGN ENGINEER. FRAME TO BE SUPPORTED BY CONCRETE COLLAR.

ATTENTION

THIS TREATMENT UNIT WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON GROUNDWATER LEVELS. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE GROUNDWATER LEVEL RELATIVE TO THE BURIED DEPTH OF THE UNIT. IF THE GROUNDWATER DEPTH ABOVE THE BOTTOM OF THE SUMP EXCEEDS ONE-THIRD THE DEPTH OF THE UNIT, CONTACT ADS FOR SOLUTIONS. SEE TECHNICAL NOTE 5.22 FOR GUIDANCE.

AQUALUX MANHOLE GENERAL CONFIGURATION HP MANHOLE

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DRAWING #: 560-011 CHECKED: AT/PR

DATE	DWN	CHK

AQUALUX™
Stormwater Filter

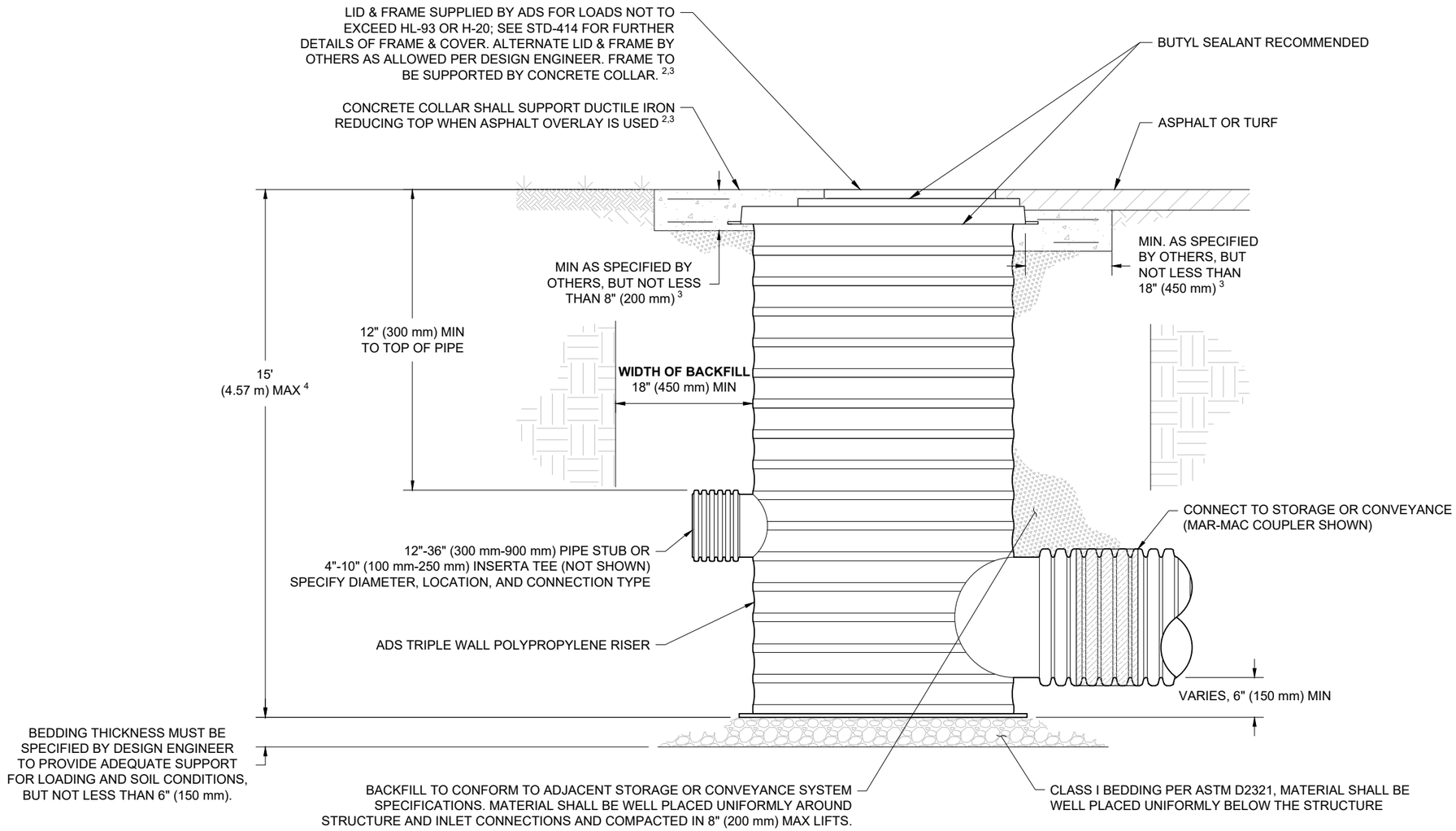
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ADS

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HP MANHOLE W/DUCTILE IRON FLAT FRAME INSTALLATION

NTS



NOTES:

1. ADS POLYPROPYLENE BASINS ARE TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
2. AVOID CONSTRUCTION LOADING ON REDUCING PLATE AND STRUCTURE PRIOR TO CONCRETE COLLAR INSTALLATION
3. CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, AND OTHER APPLICABLE DESIGN FACTORS.
4. FOR BURIAL DEPTHS GREATER THAN 15' (4.57 m), OR WHERE GROUNDWATER WILL BE ENCOUNTERED, CONTACT ADS ENGINEERING.
5. GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
6. FRAMES & REDUCING PLATE SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.

AQUALUX MANHOLE
HP MANHOLE FOR WATER QUALITY
DUCTILE IRON FLAT TOP

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DATE	DWN	CHK

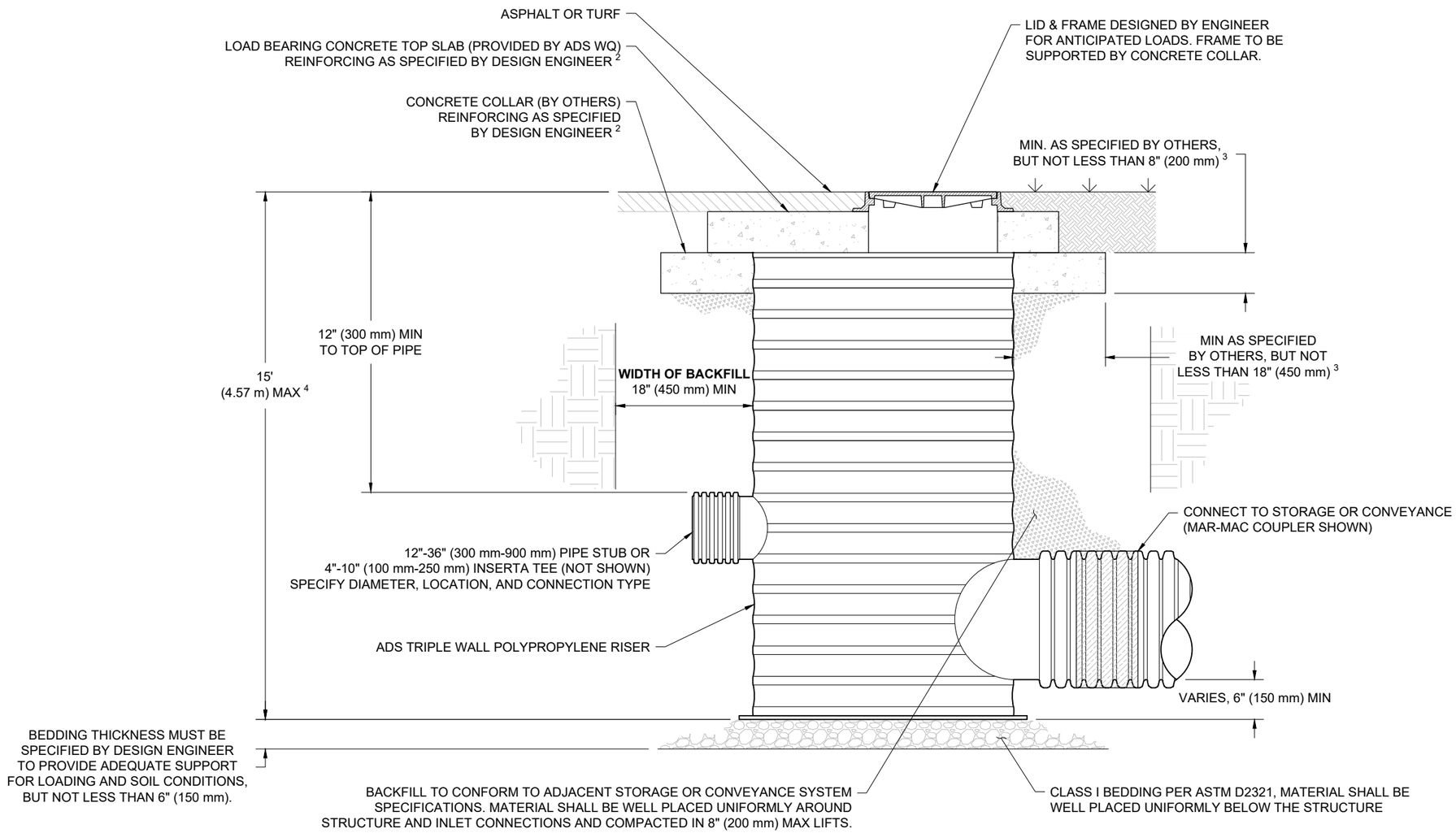
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Stormwater Filter

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HP MANHOLE W/CONCRETE TOP SLAB FOR WQ INSTALLATION

NTS



NOTES:

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2. AVOID CONSTRUCTION LOADING ON REDUCING PLATE AND STRUCTURE PRIOR TO CONCRETE COLLAR INSTALLATION
3. CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, AND OTHER APPLICABLE DESIGN FACTORS.
4. FOR BURIAL DEPTHS GREATER THAN 15' (4.57 m), OR WHERE GROUNDWATER WILL BE ENCOUNTERED, CONTACT ADS ENGINEERING.

AQUALUX MANHOLE
HP MANHOLE FOR WATER QUALITY
CONCRETE TOP SLAB

DATE: 10/27/26 | DRAWN: JLM | CHECKED: AT/PR
DRAWING #: 560-011

DATE	DWN	CHK

AQUALUX™
Stormwater Filter

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