

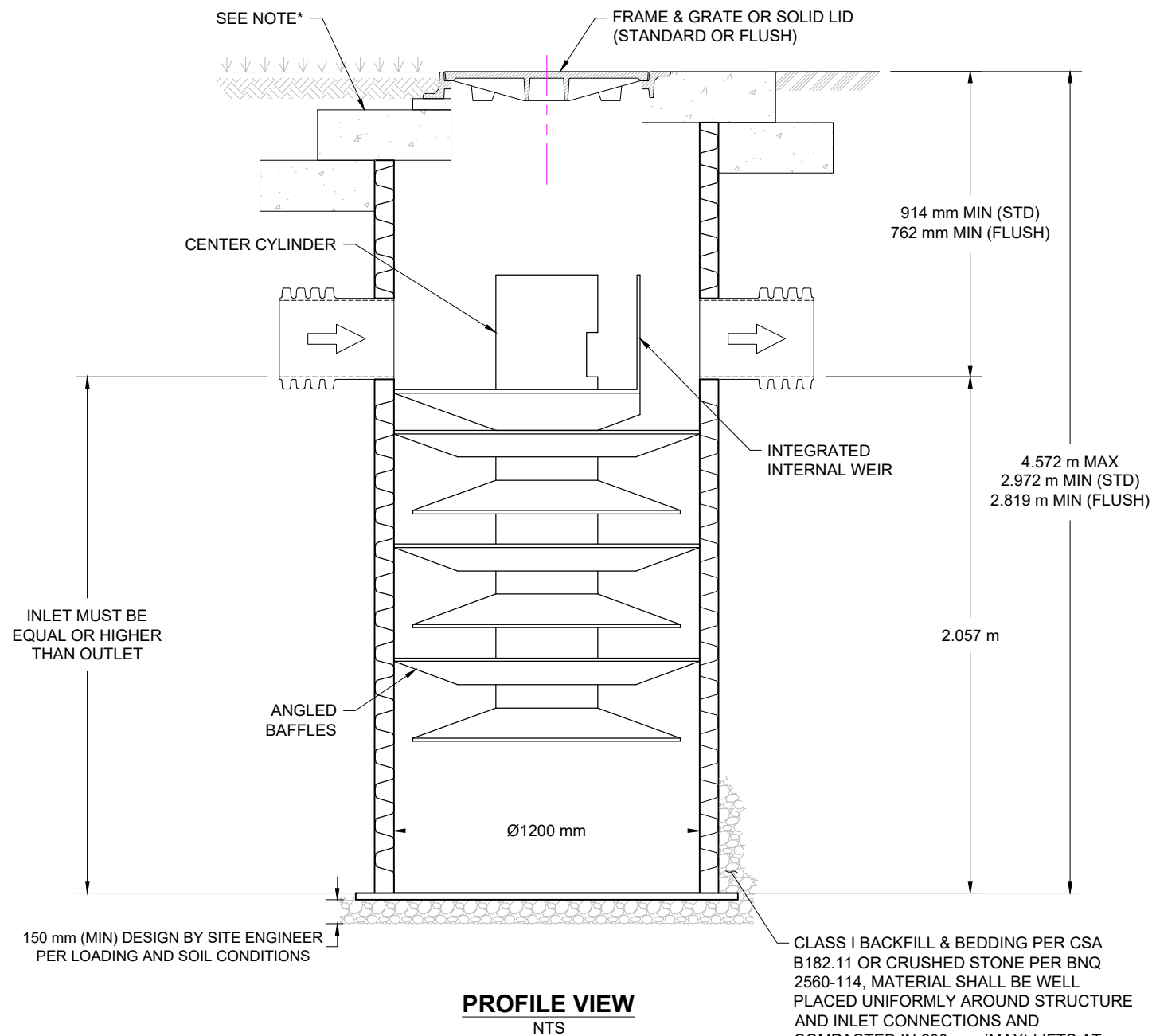
# ARCADIA AR4HP

PLEASE NOTE: 100-250 mm CONNECTIONS REQUIRE THE USE OF INSERTA-TEE FITTINGS AND ARE TO BE ORDERED SEPARATELY FROM THE WATER QUALITY HP MANHOLE. INSERTA-TEE FITTINGS ORDERED ARE DEPENDENT ON CONNECTION DIAMETER AND MATERIAL TYPE.

## ATTENTION:

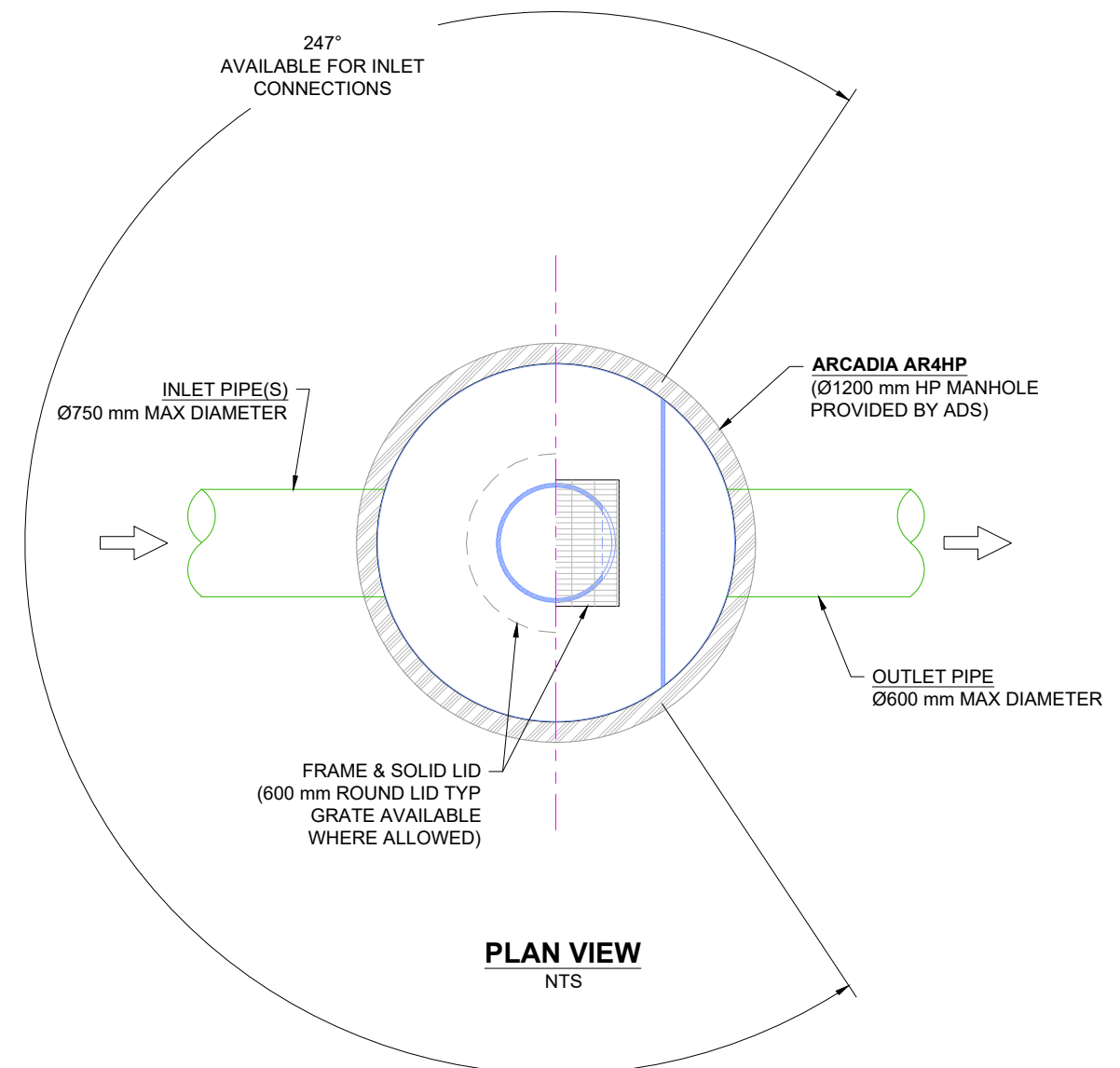
THIS TREATMENT UNIT WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON GROUNDWATER LEVELS. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE GROUNDWATER LEVEL RELATIVE TO THE BURIED DEPTH OF THE UNIT. IF THE GROUNDWATER DEPTH ABOVE THE BOTTOM OF THE SUMP EXCEEDS ONE-THIRD THE DEPTH OF THE UNIT,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

\* 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.



## PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE OIL AND GRIT (TSS) PER LOCAL JURISDICTIONAL REQUIREMENTS, AND ACCORDING TO THE PERFORMANCE DEMONSTRATED THROUGH TESTING AT AN ISO-CERTIFIED LABORATORY UNDER THE 2023 CANADIAN PROCEDURE FOR LABORATORY TESTING OF OIL-GRIT SEPARATORS. SIZING OF THE UNIT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE ISO 14034 ETV (ENVIRONMENTAL TECHNOLOGY VERIFICATION) STANDARD, AND SUBSEQUENTLY CONFIRMED UNDER THE VERIFIGLOBAL PERFORMANCE VERIFICATION PROTOCOL. REFER TO THE VERIFICATION STATEMENT FOR SPECIFIC PERFORMANCE PARAMETERS.



## NOTES:

- ENGINEER / CONTRACTOR TO CONFIRM PIPE MATERIALS AND APPLICABLE ADAPTERS.
- CONTRACTOR IS RESPONSIBLE FOR MATERIAL AND LABOUR TO BRING CASTINGS TO FINISHED GRADE.
- CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
- UNIT SHALL CONFORM TO CL-625 LOAD RATINGS.

ARCADIA AR4HP HP MANHOLE CONCRETE SLAB TOP	DATE: 03/27/26	DRAWN: JLM	CHECKED: CJD/AT
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DATE	DRWN	CHKD	DESCRIPTION

**ARCADIA**  
Stormwater Separator

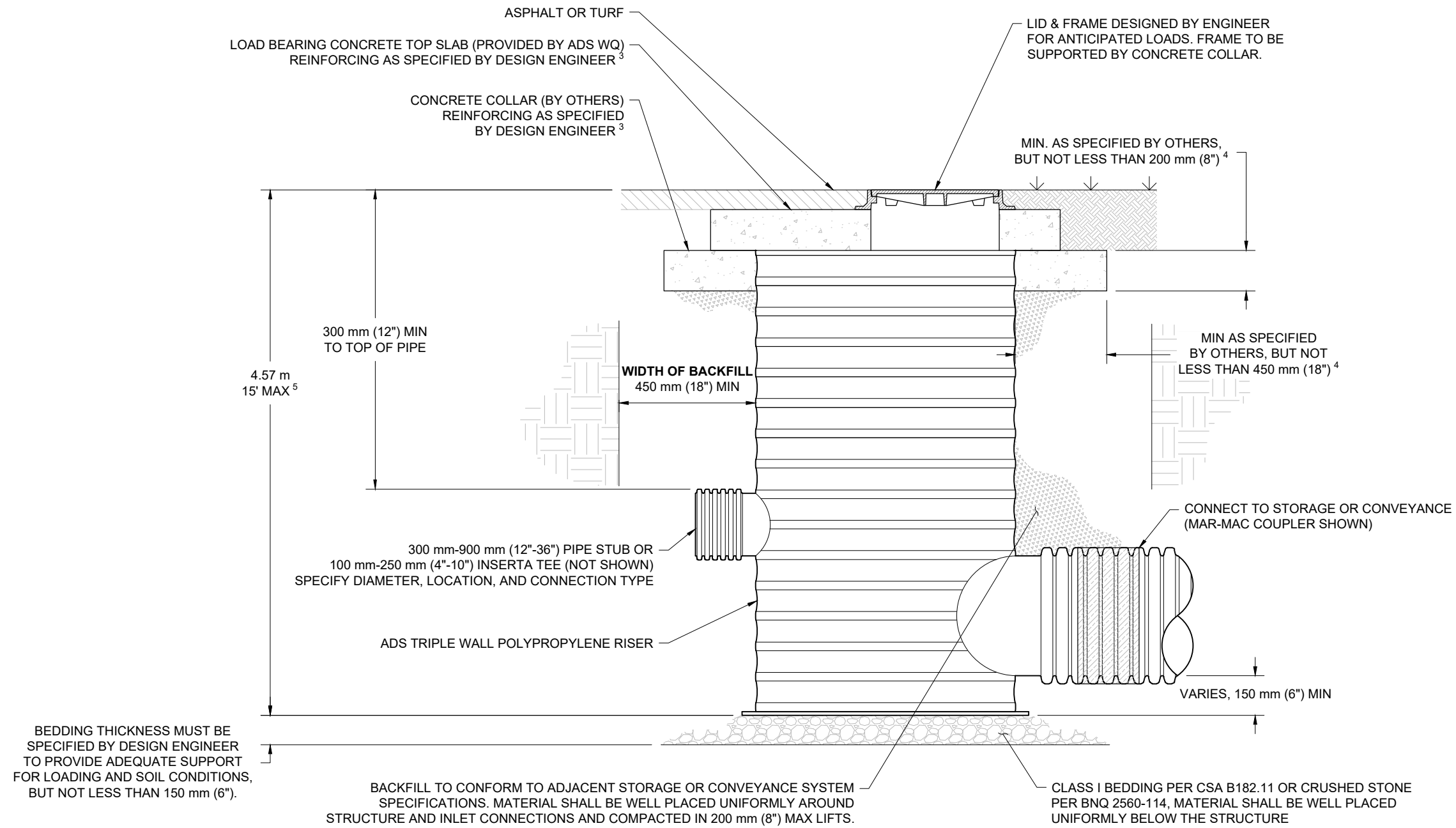
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**ADS**

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS/STORMTECH UNDER THE DIRECTION OF THE PROJECT'S ENGINEER OF RECORD (EOR) / OR OTHER PROJECT REPRESENTATIVE. THIS DRAWING IS NOT INTENDED FOR USE IN BIDDING OR CONSTRUCTION WITHOUT THE EOR'S PRIOR APPROVAL. EOR SHALL REVIEW THIS DRAWING PRIOR TO BIDDING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE EOR TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

# HP MANHOLE W/CONCRETE TOP SLAB FOR WQ INSTALLATION

NTS



**NOTES:**

1. ADS POLYPROPYLENE BASINS ARE TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
2. ADAPTERS CAN BE MOUNTED ON ANGLES 0° TO 359°. TO DETERMINE MAXIMUM ANGLE BETWEEN ADAPTERS, SEE DRAWING NO. 7009-110-026
3. AVOID CONSTRUCTION LOADING ON REDUCING PLATE AND STRUCTURE PRIOR TO CONCRETE COLLAR INSTALLATION
4. 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.
5. FOR BURIAL DEPTHS GREATER THAN 4.57 m (15'), OR WHERE GROUNDWATER WILL BE ENCOUNTERED, CONTACT ADS ENGINEERING.

ARCADIA AR4HP  
HP MANHOLE  
CONCRETE TOP SLAB

DATE: 03/27/26 DRAWN: JLM  
DRAWING #: 530-430\_C CHECKED: CJD/AT

DATE	DRWN	CHKD	DESCRIPTION

**ARCADIA**  
Stormwater Separator

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