



BMP SIZING CALCULATIONS

AREA SUMMARY

	AREA (SF)	AREA (AC)
DMA1	140,915	3.23
DMA1*	12,813	0.29

*PARKING STRUCTURE AREAS WITH OPENINGS TO ACCOUNT FOR WIND DRIVEN RAIN. SEE NEXT PAGE FOR CALCULATING EXPOSED AREA.

PERVIOUS & IMPERVIOUS SUMMARY

	PERVIOUS AREA (SF)	IMPERVIOUS AREA (SF)	TOTAL AREA (SF)	PERVIOUS RATIO	IMPERVIOUS RATIO	RUNOFF COEFFICIENT	DESIGN STORM DEPTH (IN)	DCV (CF)
DMA1	25,942	114,973	140,915	0.184	0.816	0.762	0.85	7,594
DMA1*	0	12,813	12,813	0.000	1.000	0.900	0.85	805

<div *PARKING STRUCTURE AREAS WITH OPENINGS TO ACCOUNT FOR WIND DRIVEN RAIN. SEE NEXT PAGE FOR CALCULATING EXPOSED AREA.

INFILTRATION BASIN SIZING CALCULATIONS:

REQUIRED DESIGN CAPTURE VOLUME (DCV):	8,400 CF
AREA OF 5' DIAMETER PERFORATED CMP:	19.625 SF
LENGTH OF 5' DIAMETER PERFORATED CMP REQUIRED TO RETAIN DCV:	428 LF
LENGTH OF 5' DIAMETER PERFORATED CMP PROVIDED:	430 LF
NOTE: MWS UNIT LOCATED UPSTREAM OF INFILTRATION BASIN FOR PRETREATMENT.	

STRUCTURAL BMP LEGEND

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Legend entries:

- S1** — STORM DRAIN SYSTEM STENCILING AND SIGNAGE (IF NOT PRESENT)
- S4** — EFFICIENT IRRIGATION SYSTEMS AND LANDSCAPE DESIGN
- 1** — MWS UNIT
- 2** — UNDERGROUND INFILTRATION GALLERY (60" DIA. PERFORATED CMP)
- 3** — FULL TRASH CAPTURE SCREEN

Symbol descriptions:

- Top Left:** A circle with a diagonal line from top-left to bottom-right.
- DMA1 3.23:** A circle containing the text "DMA1" and "3.23".
- Proposed Building:** A yellow horizontal bar.
- Proposed Landscaping:** A green horizontal bar.
- Percolation Test Location:** A circle divided into four quadrants by a cross.

Prepared By: [Redacted]

PROJECT ADDRESS:
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PREPARED BY:



OCVIBE PARKING DECK A FINAL WQMP EXHIBIT ANAHEIM, CA

DATE: **10/27/2025**

SHEET **1** OF **3**