

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
TOTAL DCV (CF):								8,400

*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.

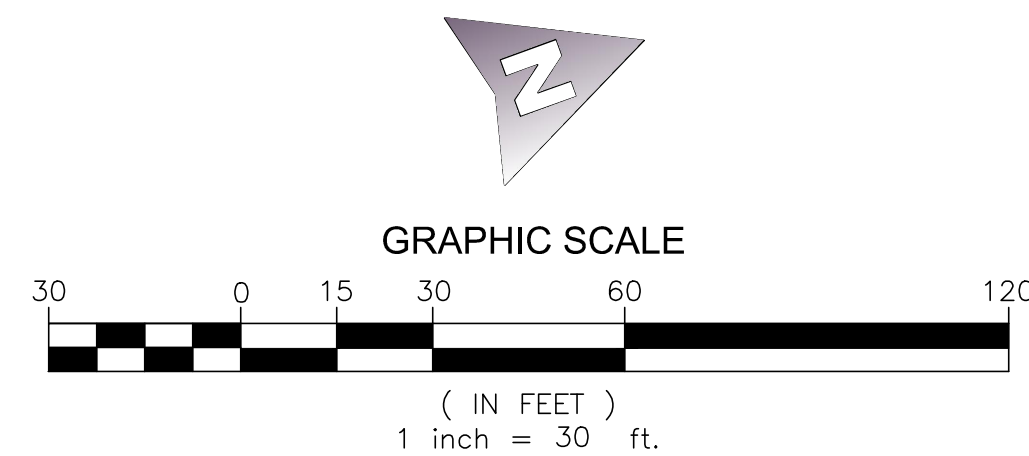
STRUCTURAL BMP LEGEND

- (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

PROJECT ADDRESS:
1715 S. DOUGLASS ROAD, ANAHEIM, CA 92806

LEGEND:

- EXISTING RIGHT OF WAY
- EXISTING LOT LINE
- DRAINAGE MANAGEMENT AREA (DMA) BOUNDARY
- EXISTING STORM DRAIN
- PROPOSED UNDERGROUND STORM DRAIN
- SURFACE FLOW DIRECTION
- STORM DRAIN FLOW DIRECTION
- CONNECTION TO EXISTING PIPE
- DRAINAGE MANAGEMENT AREA (DMA) AND ACREAGE
- PROPOSED BUILDING
- PROPOSED LANDSCAPING (N3, S4/SD-12)
- PERCOLATION TEST LOCATION



PREPARED BY:



**OCVIBE
PARKING DECK A
FINAL WQMP EXHIBIT
ANAHEIM, CA**

DATE:
10/27/2025
SHEET **1**
OF **3**

JOB NO.
2042682200

Drawing: C:\Users\Tiffany\OneDrive\Documents\Projects\2042682200\OCVibe\Project Files\Drawing\Exhibit\2042682200-Exhibit\2042682200-Exhibit.dwg PLOTTED: 10/29/2025 4:51 PM BY: Nguyen, Tiffany