

DOCKETED

Docket Number:	25-SPPE-01
Project Title:	Vernon Backup Generating Facility
TN #:	266777
Document Title:	VBGF DR Set 1 - ATTACHMENT DR HYD-1
Description:	N/A
Filer:	Scott Galati
Organization:	DayZenLLC
Submitter Role:	Applicant Representative
Submission Date:	10/23/2025 8:23:17 AM
Docketed Date:	10/23/2025

ATTACHMENT DR HYD-1

Analysis of Impermeable Surfaces



LEGEND:

- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- STREET CENTERLINE
- EXISTING LOT LINE
- DMA BASIN BOUDARY
- DMA SUBBASIN BOUDARY
- SUB-DRAINAGE AREA ID
- SUB DRAINAGE AREA IDENTIFIER
- SUB DRAINAGE SURFACE AREA (ACRE)
- BUILDING IMPERVIOUS AREA
- PAVEMENT IMPERVIOUS AREA

RUNOFF SUMMARY

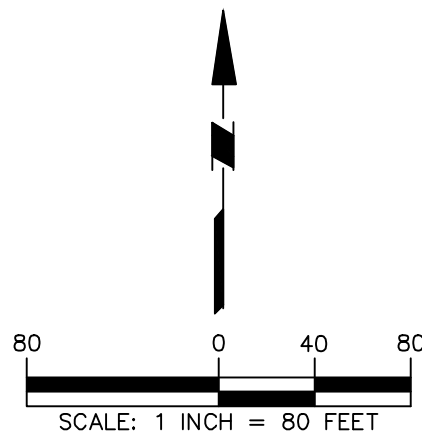
DMA	AREA (ACRE)	85TH PERCENTILE PEAK FLOW RATE (CFS)	50-YEAR PEAK FLOW RATE (CFS)
DMA-1	1.80	0.190	1.56
DMA-2	7.34	1.350	14.63
DMA-3	2.32	0.732	7.29
DMA-4	0.49	0.413	3.70
DMA-5	4.78	0.867	8.63
TOTAL	11.48	3.552	35.81

IMPERVIOUS SUMMARY

TOTAL SITE AREA	11.48 ACRE
PAVED AREA	5.93 ACRE
BUILDING AREA	5.55 ACRE
TOTAL IMPERVIOUS	11.48 ACRE
IMPERVIOUS %	100.0%

NOTES:

- PEAK FLOW RATES CALCULATED USING 85TH PERCENTILE STORM AND 50-YEAR STORM RAINFALL DEPTHS.



LANGAN

Langan Engineering and
Environmental Services, Inc.
1960 E Grand Avenue, Suite 585
El Segundo, CA 90245
T: 213.314.8100 F: 213.314.8101 www.langan.com

Project
3049 EAST VERNON
AVENUE & 3163 EAST
VERNON AVENUE
VERNON
LOS ANGELES COUNTY CALIFORNIA

Drawing Title
PRE-DEMO EXHIBIT

Project No.
721040501
Date
07/02/2025
Drawn By
GM
Checked By
CC/MRG
Drawing No.
CA101
Sheet 1 of 3



LEGEND:

- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- STREET CENTERLINE
- EXISTING LOT LINE
- DMA BASIN BOUDARY
- DMA SUBBASIN BOUDARY
- SUB-DRAINAGE AREA ID
- SUB DRAINAGE AREA IDENTIFIER
- SUB DRAINAGE SURFACE AREA (ACRE)
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RUNOFF SUMMARY

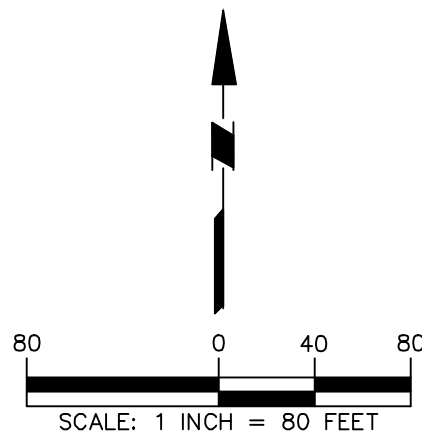
DMA	AREA (ACRE)	85TH PERCENTILE PEAK FLOW RATE (CFS)	50-YEAR PEAK FLOW RATE (CFS)
DMA-1	3.28	0.950	9.36
DMA-2	2.24	0.606	6.39
DMA-3	3.95	1.037	11.27
DMA-4	1.99	0.685	5.68
TOTAL	11.48	3.278	32.70

IMPERVIOUS SUMMARY

TOTAL SITE AREA	11.48 ACRE
PAVED AREA	5.58 ACRE
BUILDING AREA	4.35 ACRE
TOTAL IMPERVIOUS	9.93 ACRE
IMPERVIOUS %	86.5%

NOTES:

- PEAK FLOW RATES CALCULATED USING 85TH PERCENTILE STORM AND 50-YEAR STORM RAINFALL DEPTHS.



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3049 EAST VERNON
AVENUE & 3163 EAST
VERNON AVENUE
VERNON
LOS ANGELES COUNTY CALIFORNIA

Drawing Title
POST-
CONSTRUCTION
EXHIBIT

Project No.
721040501
Date
07/02/2025
Drawn By
GM
Checked By
CC/MRG
Drawing No.
CA103
Sheet 3 of 3