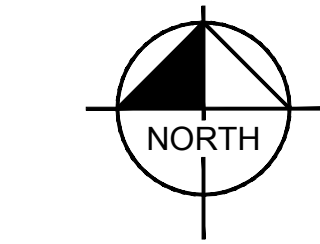
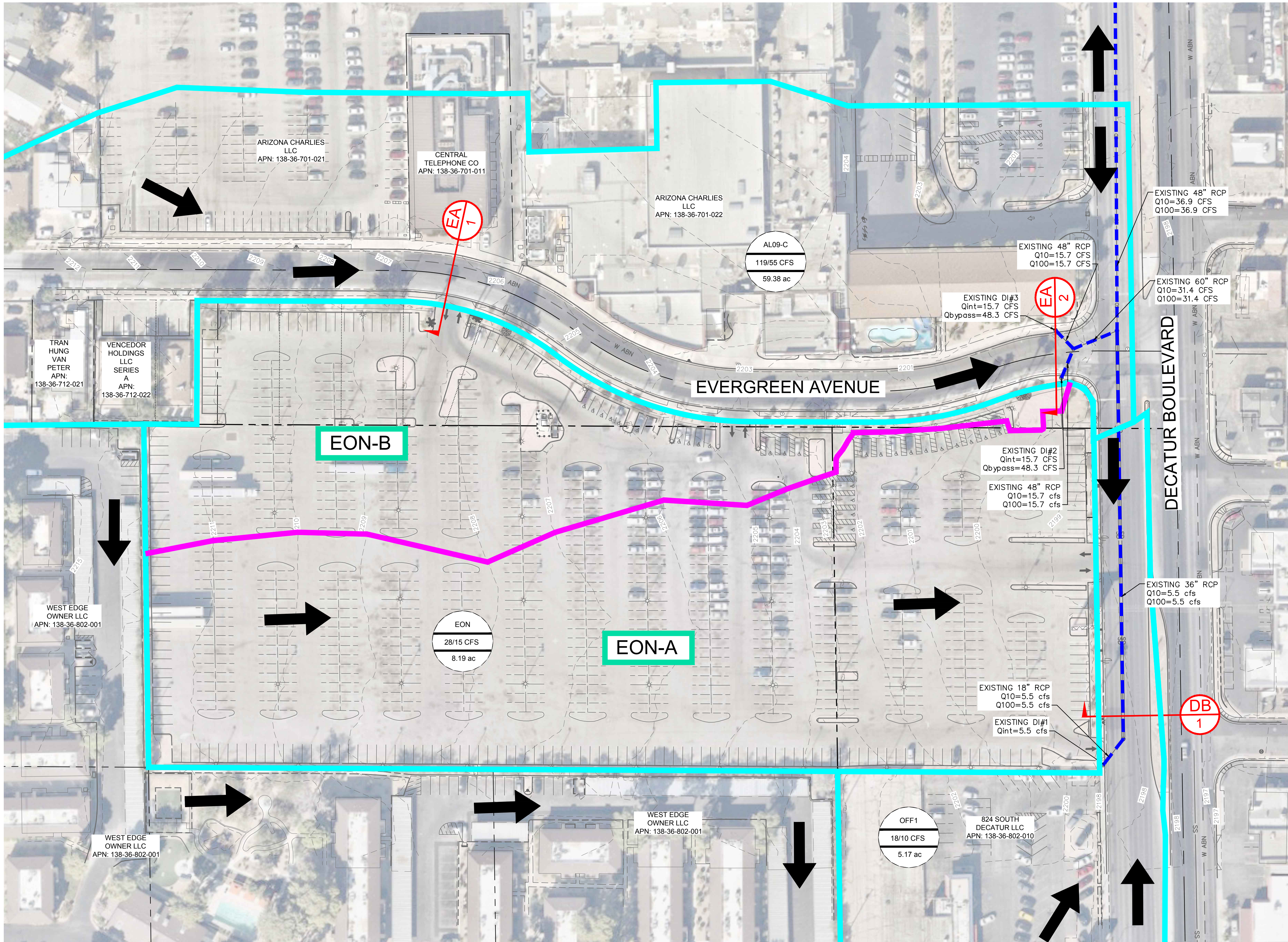


Plotted By: Smith, Doylein Sheet Set: KHA Layout: KHA July 28, 2025 10:13:10am K:\LAV-Civil\192084001-Decatur Evergreen Multifamily\Reports\DRAINAGE\01_TDS\Figures\CAD\192084001_EX.dwg



GRAPHIC SCALE IN FEET
0 25 50 100

SCALE: 1" = 50'

LEGEND

- OFF1
18/10 CFS
5.17 ac
- BASIN ID
- PRORATED BASIN BOUNDARY
BASIN BOUNDARY
100/10YR CFS
- XX CFS
- FLOW ARROW
- EXISTING STORM DRAIN
- XX
XX
- SECTION ID

EXISTING CONDITION FLOW SUMMARY TABLE				
BASIN ID/ COMB. PT.	BASIN AREA (ac)	100-YR FLOW (cfs)	10-YR FLOW (cfs)	
AL09-C*	59.38	119	55	
EON	8.19	28	15	
OFF1	5.17	18	10	

*Referenced/Revised from 2023 MPU

EXISTING CONDITION PRORATED FLOW SUMMARY					
Existing Onsite					
SUBBASIN	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	CFS/ACRE ₁₀₀	CFS/ACRE ₁₀
EON	28	15	8.19	3.42	1.83
Existing Onsite Prorated Basins					
SUBBASIN	Q ₁₀₀ (cfs)	Q ₁₀ (cfs)	AREA (ac)	CFS/ACRE ₁₀₀	CFS/ACRE ₁₀
EON-A	19	10	5.57	3.42	1.83
EON-B	9	5	2.62	3.42	1.83
TOTAL	28	15	8.19	NA	NA

DROP INLET SUMMARY TABLE							
DROP INLET ID	TRIBUTARY BASINS	Q ₁₀₀ (cfs)	SLOPE (%)	FLOW DEPTH (ft)	Q _{INT} (cfs)	Q _{BYP} (cfs)	DI TYPE
DI#1	EON-A + OFF1	37	SUMP	0.5	5.5	31.5	10' Type C
DI#2	AL09-C + EON-B	64	1.2	0.97	15.7	48.3	20' Type C
DI#3	AL09-C + EON-B	64	1.2	0.97	15.7	48.3	20' Type C

EXISTING CONDITIONS STREET HYDRAULIC SECTIONS											
STREET SECTION	TRIBUTARY BASINS	SLOPE	Q100	FLOW DEPTH	VELOCITY	D*V	Q10	FLOW DEPTH	VELOCITY	D*V	DRY LANE
		%	(cfs)	(ft)	(ft/s)	ft ² /s	(cfs)	(ft)	(ft/s)	ft ² /s	
DB1	EON-A + OFF1 - intercepted	0.46	31.5	0.71	2.78	1.97	14.5	0.57	2.22	1.27	NO
EA1	EON-A + OFF1	1.30	128.0	0.97	5.86	5.68	60.0	0.82	4.34	3.56	N/A
EA2	AL09-C + EON-B - intercepted	1.20	96.6	0.82	5.43	4.45	28.6	0.57	3.68	2.10	N/A

ONSITE EXISTING CONDITIONS BASIN MAP

DECATUR & EVERGREEN MIXED-USE PROJECT
PREPARED FOR
FORE GREEN DEVELOPMENT LLC

EX-2

Kimley»Horn
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KHA PROJECT
192084001
DATE
07/28/2025
SCALE AS SHOWN
DESIGNED BY CH
DRAWN BY DS
CHECKED BY JZ

REVISIONS
No.
DATE
BY