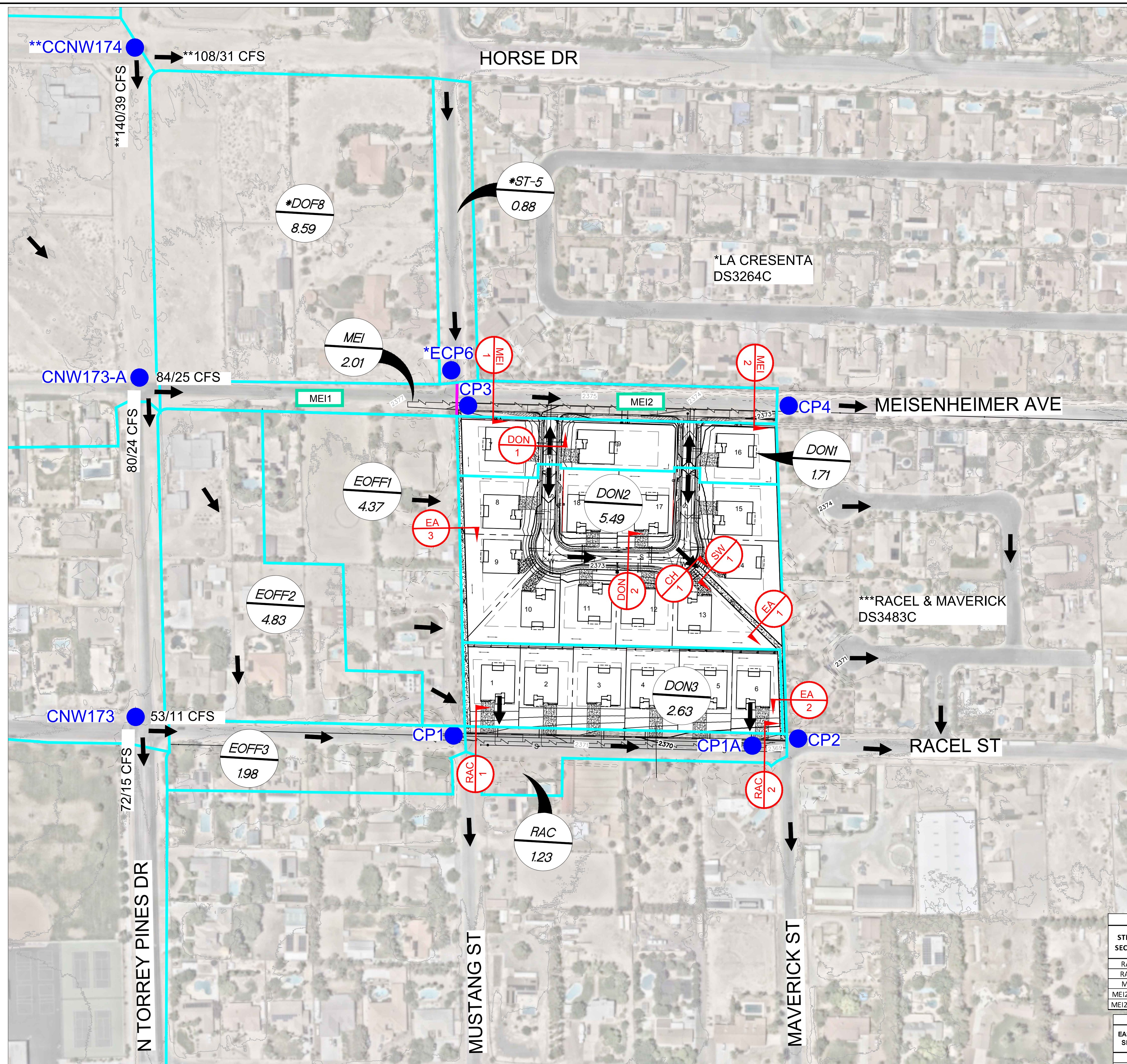


Plotted By: Llu, Toryn, Sheet Set: 08ns, Layout: PRO-2, November 06, 2024, 11:44:34am, K:\LAY_Civil\291400040 - Racel & Maverick\Reports\DRAINAGE_V3_ADD2\Figures\CAD\PRO_Map_ADD2.dwg
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LEGEND

GRAPHIC SCALE IN FEET
 0 50 100 200
 SCALE: 1" = 100'

XX BASIN ID
XX PRORATED BASIN BOUNDARY ID
XX BASIN BOUNDARY
XX PRORATED BASIN BOUNDARY
→ FLOW ARROW
100/10CFS FLOW ARROW WITH FLOW RATES
● CPX CONCENTRATION POINT
XX SECTION ID

PROPOSED FLOW SUMMARY TABLE

BASIN ID/ COMB. PT.	BASIN AREA (ac)	100-YR FLOW (cfs)	10-YR FLOW (cfs)
**NW174	N/A	226	76
**CCNW174	N/A	248	70
**DNW184	N/A	108	31
**DCCNW174	N/A	140	39
**NW173-A	26.01	39	14
CNW173-A	N/A	164	48
DIVMEI	N/A	84	25
DCNW173-A	N/A	80	24
**NW173-B	64.79	57	14
CNW173	N/A	133	35
DTNW173	N/A	8	8
**DTCNW173	N/A	125	27
**DNW183	N/A	53	11
**DCNW173	N/A	72	15
**NW172	N/A	105	33
**CNW172	N/A	168	40
**DTDNW183	N/A	53	11
EOFF1	4.37	7	2
EOFF2	4.83	7	2
EOFF3	1.98	4	2
CP1	N/A	63	14
DON3	2.63	4	1
RAC	1.23	3	2
CP1A	N/A	68	16
DON2	5.49	9	3
CP2	N/A	74	18
*DOF8	8.59	12	4
*ST-5	0.88	2	1
*ECP6	N/A	14	4
MEI	2.01	6	3
DMEI2	N/A	3	1
DMEI1	N/A	3	2
CP3	N/A	92	28
DON1	1.71	3	1
CP4	N/A	95	28

*Referenced from La Cresenta Study (DS3264)
 **Referenced/Revised from Neighborhood Study

DEVELOPED PRORATED FLOW SUMMARY TABLE

BASIN ID	EXISTING BASINS				
	100-YR FLOW (cfs)	10-YR FLOW (cfs)	AREA (acres)	Q100 (CFS/ACRE)	Q10 (CFS/ACRE)
MEI	6	3	2.01	2.99	1.49

BASIN ID	PRORATED DEVELOPED BASINS				
	100-YR FLOW (cfs)	10-YR FLOW (cfs)	AREA (acres)	Q100 (CFS/ACRE)	Q10 (CFS/ACRE)
MEI-1	2.5	1.5	0.88	2.99	1.49
MEI-2	3.5	1.5	1.13	2.99	1.49
TOTAL	6.0	3.0	2.01	NA	NA

ONSITE HYDRAULIC SECTIONS

SECTION	TRIBUTARY BASINS	CHANNEL SLOPE (%)	Q ₁₀₀ (cfs)	FLOW DEPTH (ft)	VELOCITY (ft/s)	D ^v (ft ² /s)
DON1 (Min)	DON1	1.38	3.0	0.29	2.23	0.65
DON1 (Max)	DON1	1.69	3.0	0.28	2.42	0.68
DON2 (Min)	DON2	0.40	9.0	0.46	1.53	0.70
DON2 (Max)	DON2	1.30	9.0	0.38	2.70	1.03

STREET HYDRAULIC SECTIONS

STREET SECTION	TRIBUTARY BASINS	SLOPE (%)	Q ₁₀₀ (cfs)	FLOW DEPTH (ft)	VELOCITY (ft/s)	D ^v (ft ² /s)	Q ₁₀ (cfs)	FLOW DEPTH (ft)	VELOCITY (ft/s)	D ^v (ft ² /s)	DRY LAINE
RAC1	CP1	0.47	66.0	0.77	2.60	2.00	18.0	0.55	1.75	0.96	-
RAC2	CP1A	0.53	68.0	0.77	2.78	2.14	16.0	0.52	1.77	0.92	-
MEI1	CP3	0.40	92.0	0.91	3.03	2.76	28.0	0.64	1.97	1.26	-
MEI2 (Min)	CP4	0.42	95.0	0.91	3.11	2.83	28.0	0.63	2.00	1.26	-
MEI2 (Max)	CP4	0.69	95.0	0.84	3.62	3.04	28.0	0.59	2.39	1.41	-

EASEMENT SECTIONS

EASEMENT SECTION	TRIBUTARY BASINS	CHANNEL SLOPE (%)	Q ₁₀₀ (cfs)	FLOW DEPTH (ft)	VELOCITY (ft/s)	D ^v (ft ² /s)	TYPE	BOTTOM WIDTH (ft)	SIDE SLOPES	
CH1	DON2	1.00	9.0	0.24	3.93	0.94	RECT	11	N/A	N/A
SW1	1/3DON2	0.62	3.0	0.39	3.86	1.51	RECT	2	N/A	N/A
EA1	DON2	0.62	9.0	0.29	3.52	1.02	RECT	10	N/A	N/A
EA2	DON2	0.62	9.0	0.30	3.61	1.08	RECT	9.33	N/A	N/A
EA3	EOFF1	0.66	7.0	0.25	1.93	0.48	RECT	10	N/A	N/A

NOTES:
 *REFERENCED FROM LA CRESSENTA STUDY (DS3264C)
 **REFERENCED FROM NORTHWEST NEIGHBORHOOD STUDY
 ***REFERENCED FROM RACEL & MAVERICK STUDY (DS3483C)

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ONSITE PROPOSED CONDITIONS BASIN MAP

RACEL & MAVERICK
 PREPARED FOR
RICHMOND AMERICAN

CITY OF LAS VEGAS, NEVADA

PRO-2

No.	REVISIONS	DATE	BY

KHA PROJECT: 291400040
 DATE: 08/28/2024
 SCALE: AS SHOWN
 DESIGNED BY: AA
 DRAWN BY: UE
 CHECKED BY: AA
 DATE: 07/23/24