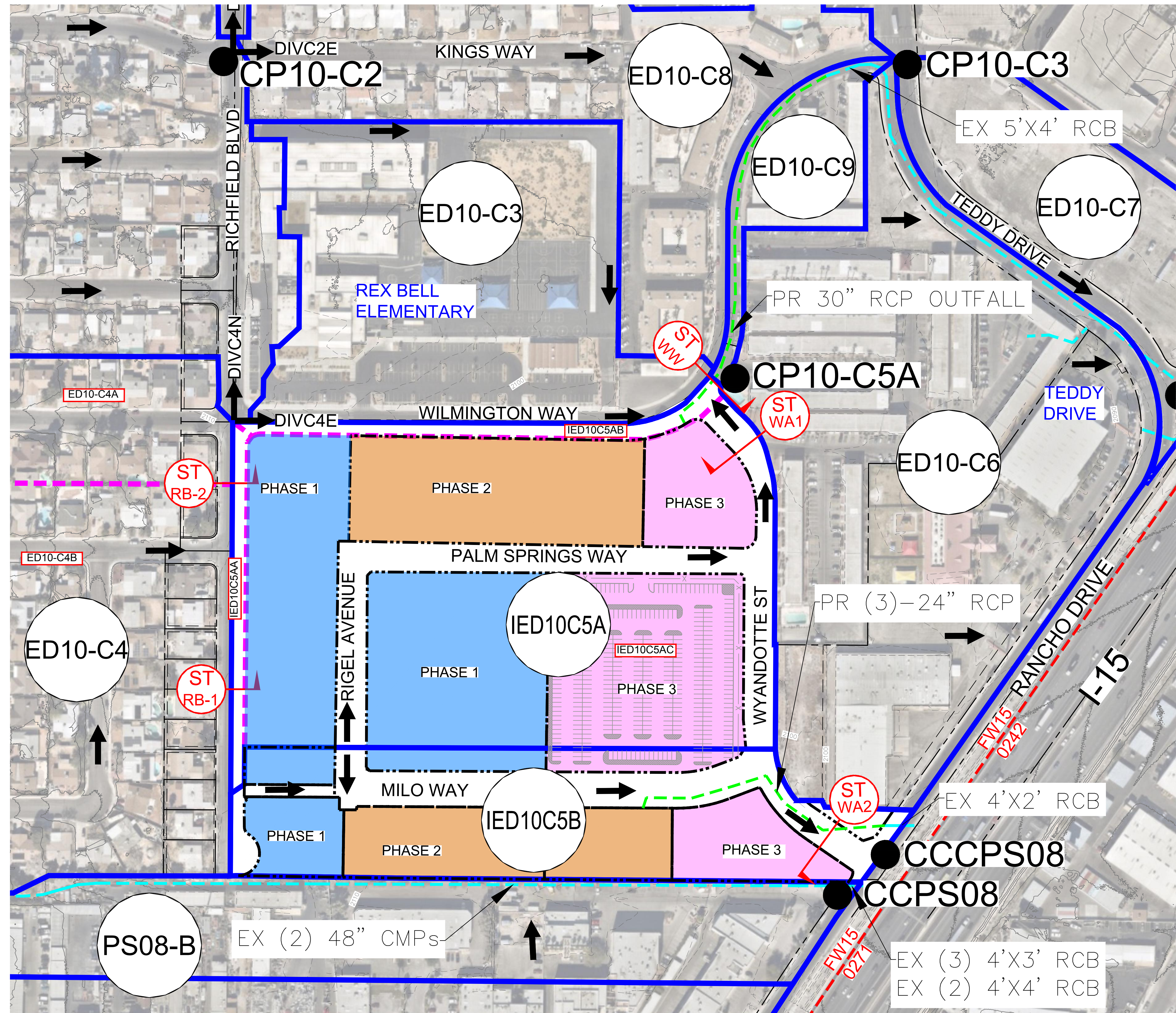


Plotted By: Achhami, Ashwan - Sheet Set: ST ROSE & BRUNER MF LDUY0101 - October 02, 2023 - 03:48:12pm - k:\AV-Civil\092965007 - Richfield Neighborhood (Fisher Brothers) Reports\DRAINAGE\05-UP\Figures\INT-2_Basin_Map.dwg
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LEGEND

- ID BASIN ID
- BASIN BOUNDARY
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- FUTURE CCRFCD FACILITY
- FLOW ARROW
- CPX CONCENTRATION POINT
- PRORATED BASIN BOUNDARY
- PRORATED BASIN
- PHASE 1
- PHASE 2
- PHASE 3
- NOT A PART OF SITE
- PHASE BOUNDARY
- PROPOSED DETENTION BASIN W/ 30" RCP OUTFALL TO EX 5' X 4' RCB
- SECTION ID

VEGAS RISING

INTERIM FLOW SUMMARY TABLE

BASIN ID/ COMB.	BASIN AREA (ac)	100-YR FLOW (cfs)	10-YR FLOW (cfs)
PT.			
*ED05-CA	231.48	356	166
PS08-A	89.04	184	89
ED08	57.46	129	64
CED08	-	448	211
IED10C5B	7.25	21	12
PS08-B	14.69	34	16
CCPS08	-	476	223
CCPCS08	-	3,678	1,328
ED10-C1	16.82	40	19
ED10-C2	20.25	50	24
ED10-C4	19.50	47	22
DIVC4E	-	38	18
DIVC4N	-	9	4
CP10-C2	-	95	44
DIVC2N	-	28	13
DIVC2E	-	67	31
IED10C5A	16.26	44	24
ED10-C3	9.69	20	8
CP10-C5A	-	101	48
ED10-C8	9.25	21	10
ED10-C9	1.90	4	2
CP10-C3	-	183	87
ED10-C6	16.71	41	17
CP10-C6	-	216	98
ED10-C7	5.89	13	6
CED10	-	3,717	1,330

Upstream Watershed basins west of Valley View Blvd & south of Sirius Ave referenced from CLV Neighborhood Study
 *Modified Subbasins from CLV Neighborhood Study

INTERIM CONDITION PRORATED FLOW SUMMARY				INTERIM CONDITION PRORATED FLOW SUMMARY			
Interim Condition Basins				Interim Condition Basins			
SUBBASIN	Q ₁₀₀ (cfs)	AREA (ac)	CFS ₁₀₀ /ACRE	SUBBASIN	Q ₁₀₀ (cfs)	AREA (ac)	CFS ₁₀₀ /ACRE
IED10C5A	44	16.26	2.71	ED10-C4	47	19.50	2.41
Interim Condition Prorated Basins				Interim Condition Prorated Basins			
SUBBASIN	Q ₁₀₀ (cfs)	AREA (ac)	CFS ₁₀₀ /ACRE	SUBBASIN	Q ₁₀₀ (cfs)	AREA (ac)	CFS ₁₀₀ /ACRE
IED10C5AA	1	0.49	2.71	ED10-C4A	20	8.31	2.41
IED10C5AB	2	0.67	2.71	ED10-C4B	27	11.19	2.41
IED10C5AC	41	15.10	2.71	TOTAL	47	19.50	NA
TOTAL	44	16.26	NA				

INTERIM STREET HYDRAULIC SECTIONS

STREET SECTION	TRIBUTARY BASINS	SLOPE	Q ₁₀₀	FLOW DEPTH	VELOCITY	D ² V
		%	(cfs)	(ft)	(ft/s)	ft ² /s
WW	CP10-C5A	0.45	102.0	0.88	3.67	3.23
RB-1	IED10C5AA	0.57	1.0	0.29	1.40	0.41
RB-2	IED10C5AA+IED10-C4B	0.57	28.0	0.61	2.39	1.46
WA1	IED10C5AC	0.40	41.0	0.68	2.63	1.79
WA2	IED10C5B	0.40	21.0	0.57	2.06	1.17

PHASE 1:
 INCLUDES PHASE 1 DEVELOPED WITH TEMPORARY PARKING AS SHOWN WITH THE REMAINING PHASE 3 ROUGH GRADED

PHASE 2:
 INCLUDES PHASE 1 & PHASE 2 DEVELOPED WITH TEMPORARY PARKING AS SHOWN AND PHASE 3 ROUGH GRADED

Kimley & Horn

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INTERIM CONDITION BASIN MAP

RICHFIELD NEIGHBORHOOD PREPARED FOR FISHER BROTHERS

CITY OF LAS VEGAS

NO. _____

REVISIONS _____

DATE _____

KHA PROJECT	092965007	DATE	9/27/2023	SCALE	AS SHOWN	DESIGNED BY	AA	DRAWN BY	AA	CHECKED BY	RD
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INT-2