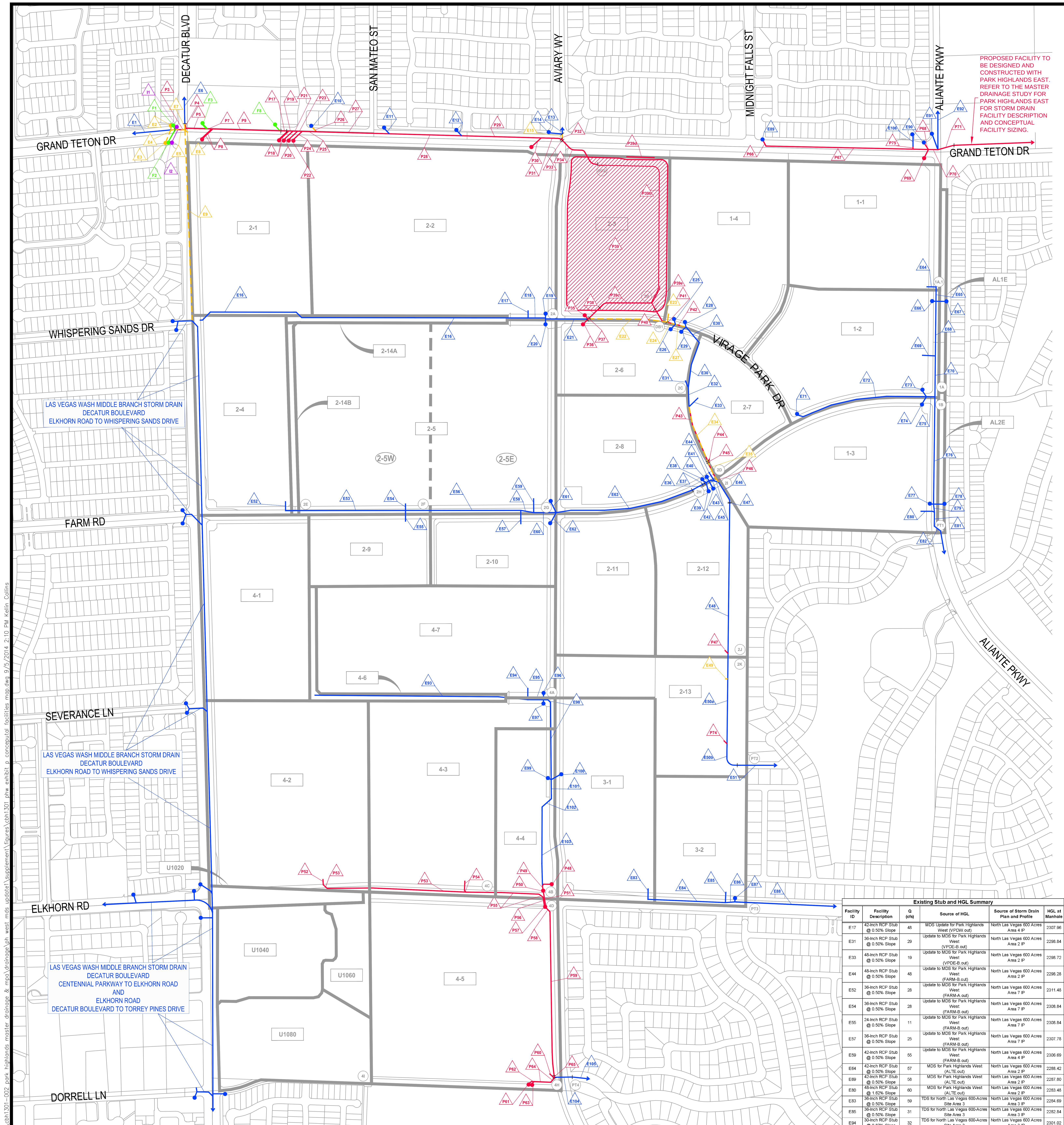

Existing Stub and HGL Summary

Facility ID	Facility Description	Q (cfs)	Source of HGL	Source of Storm Drain Plan and Profile	HGL at Manhole
E17	42-Inch RCP Stub @ 0.50% Slope	48	MDS Update for Park Highlands West (VPDW.out)	North Las Vegas 600 Acres Area 4 IP	2307.96
E31	36-Inch RCP Stub @ 0.50% Slope	29	Update to MDS for Park Highlands West (VPDE-B.out)	North Las Vegas 600 Acres Area 2 IP	2298.84
E33	48-Inch RCP Stub @ 0.50% Slope	19	Update to MDS for Park Highlands West (VPDE-B.out)	North Las Vegas 600 Acres Area 2 IP	2298.72
E44	48-Inch RCP Stub @ 0.50% Slope	48	Update to MDS for Park Highlands West (FARM-B.out)	North Las Vegas 600 Acres Area 2 IP	2298.28
E52	36-Inch RCP Stub @ 0.50% Slope	28	Update to MDS for Park Highlands West (FARM-A.out)	North Las Vegas 600 Acres Area 7 IP	2311.48
E54	36-Inch RCP Stub @ 0.50% Slope	28	Update to MDS for Park Highlands West (FARM-B.out)	North Las Vegas 600 Acres Area 7 IP	2308.84
E55	24-Inch RCP Stub @ 0.50% Slope	11	Update to MDS for Park Highlands West (FARM-B.out)	North Las Vegas 600 Acres Area 7 IP	2308.84
E57	36-Inch RCP Stub @ 0.50% Slope	25	Update to MDS for Park Highlands West (FARM-B.out)	North Las Vegas 600 Acres Area 7 IP	2307.78
E59	42-Inch RCP Stub @ 0.50% Slope	55	Update to MDS for Park Highlands West (FARM-B.out)	North Las Vegas 600 Acres Area 4 IP	2306.69
E64	42-Inch RCP Stub @ 0.50% Slope	57	MDS for Park Highlands West (ALTE.out)	North Las Vegas 600 Acres Area 2 IP	2288.42
E69	42-Inch RCP Stub @ 0.50% Slope	58	MDS for Park Highlands West (ALTE.out)	North Las Vegas 600 Acres Area 2 IP	2287.80
E80	48-Inch RCP Stub @ 1.62% Slope	60	MDS for Park Highlands West (ALTE.out)	North Las Vegas 600 Acres Area 2 IP	2283.48
E83	36-Inch RCP Stub @ 0.50% Slope	59	TDS for North Las Vegas 600-Acres Site Area 3	North Las Vegas 600 Acres Area 3 IP	2284.69
E85	36-Inch RCP Stub @ 0.50% Slope	31	TDS for North Las Vegas 600-Acres Site Area 3	North Las Vegas 600 Acres Area 3 IP	2282.84
E94	30-Inch RCP Stub @ 0.87% Slope	32	TDS for North Las Vegas 600-Acres Site Area 3	North Las Vegas 600 Acres Area 3 IP	2301.02

Existing Interim Facility Summary
Interim Condition

Facility ID	Facility Description (Type, Size & Slope)	Flow Breakdown/ Notes	Q_{10}/Q_{100} Total (cfs)	Q_{10}/Q_{100} Storm Drain (cfs)	Q_{10}/Q_{100} Surface (cfs)
E2	6.0-ft Type Neenah R-3295-2-L Drop Inlet with 18-Inch RCP Lateral @ 2.47% Slope	Concentration Point CP19 - Facility E1 & E6	180/716	24/28	156/688
E3	6.0-ft Type Neenah R-3295-2-L Drop Inlet with 24-Inch Lateral @ 1.46% Slope	Bypass from Facility E2	156/688	22/27	134/661

Existing Facility Summary
Ultimate Condition

Facility ID	Facility Description (Type, Size & Slope)	Flow Breakdown/ Notes	Q_{10}/Q_{100} Total (cfs)	Q_{10}/Q_{100} Storm Drain (cfs)	Q_{10}/Q_{100} Surface (cfs)
E1	48-Inch RCP @ 0.54% Slope	Per CLV DS#2847	N/A	83/83	N/A
E2	6.0-ft Type Neenah R-3295-2-L Drop Inlet with 18-Inch RCP Lateral @ 2.47% Slope	To be Removed/Abandoned	-	-	-
E3	6.0-ft Type Neenah R-3295-2-L Drop Inlet with 24-Inch RCP Lateral @ 1.46% Slope	To be Removed/Abandoned	-	-	-
E4	48-Inch RCP @ 1.09% Slope	To be Removed/Abandoned	-	-	-
E5	48-Inch RCP @ 1.09% Slope	To be Removed/Abandoned	-	-	-
E6	36-Inch RCP @ 0.25@ Slope	Per CLV DS#2847	N/A	30/30	N/A
E7	36-Inch RCP @ 0.25% Slope	To be Removed/Abandoned	-	-	-
E8	54-Inch RCP Stub @ 0.25% Slope	To be Removed/Abandoned	-	-	-
E9	30-Inch RCP @ 0.25% Slope	To be Removed/Abandoned	-	-	-
E10	15.0-ft Type CM Drop Inlet with Lateral to be Removed/Replaced	Bypass from Facility F8 + the Difference between Concentration Points CP18 & CP19	7/97	7/54	0/43
E11	20.0-ft Type CM Drop Inlet with 36-Inch HDPE Lateral @ 3.00% Slope	Bypass from Facility E10 + the Difference between Concentration Points CP19 & CP20	5/62	5/51	0/11
E12	17.5-ft Type CM Drop Inlet with 30-Inch RCP Lateral @ 2.50% Slope	Bypass from Facility E11	0/11	0/11	0/0
E13	72-Inch RCP @ 5.31% Slope	Concentration Point CP21	46/102	46/102	0/0
E14	11.5-ft Modified Type C Drop Inlet with 18-Inch RCP Lateral @ 0.50% slope	Nuisance	Nuisance	Nuisance	0/0
E15	72-Inch RCP @ 5.331%	To be Removed/Abandoned	-	-	-
E16	30-Inch RCP @ Varying Slopes (0.50% to 0.71%)	Previous approaching flows has been diverted south in Regional facility.	0/0	0/0	0/0
E17	42-Inch RCP Stub @ 0.50% Slope	Half of Basin 2-2	22/48	22/48	0/0
E18	48-Inch RCP @ 0.50% Slope	Concentration Point 2A	72/155	22/48	50/107
E19	2.5-ft Type CM Drop Inlet with 18-Inch RCP Lateral @ 0.50% Slope	Half of (Bypass from Facility E18)	25/54	Nuisance	25/54
E20	2.5-ft Type CM Drop Inlet with 18-Inch RCP Lateral @ 0.50% Slope	Half of (Bypass from Facility E18)	25/54	Nuisance	25/54
E21	48-Inch RCP @ 0.50% Slope	Concentration Point 2A	72/155	22/48	50/107
E22	48-Inch RCP @ 0.74% Slope	To be Removed/Abandoned	-	-	-
E23	42-Inch RCP Stub @ 0.50% Slope	To be Removed/Abandoned	-	-	-
E24	60-Inch RCP @ 0.40% Slope	To be Removed/Abandoned	-	-	-
E25	2.5-ft Type C Drop Inlet with 18-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E26	2.5-ft Type C Drop Inlet with 18-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E27	60-Inch RCP @ 0.40% Slope	To be Removed/Abandoned	-	-	-
E28	20.5-ft Type C Drop Inlet with 42-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E29	20.5-ft Type C Drop Inlet with 42-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E30	72-Inch RCP @ Varying Slopes (0.30% to 0.40%)	Concentration Point DB1	127/222	127/222	0/0
E31	36-Inch RCP Stub @ 0.50% Slope	Basin 2-6	15/29	15/29	0/0
E32	72-Inch RCP @ 0.30% Slope	Concentration Point 2C (Method A)	128/222	128/222	0/0
E33	48-Inch RCP Stub @ 0.50% Slope	Basin 2-7	7/19	7/19	0/0
E34	48-Inch RCP @ 0.30% Slope	To be Removed/Abandoned	-	-	-
E35	48-Inch RCP @ 0.36% Slope	To be Removed/Abandoned	-	-	-
E36	60-Inch RCP @ 0.79% Slope	Concentration Point 2G	103/222	102/147	1/75
E37	Transition Structure	Concentration Point 2G	103/222	102/147	1/75
E38	21.0-ft Type CM Drop Inlet with 54-Inch RCP Lateral @ 0.50% Slope	Half of the Bypass from Facility E37	1/38	1/38	0/0
E39	21.0-ft Type CM Drop Inlet with 54-Inch RCP Lateral @ 0.50% Slope	Half of the Bypass from Facility E37	1/38	1/38	0/0
E40	14'x5' RCB @ 0.30% Slope	Concentration Point 2G	103/222	103/222	0/0
E41	21.0-ft Type CM Drop Inlet with 48-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E42	21.0-ft Type CM Drop Inlet with 48-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E43	14'x5' RCB @ 0.30% Slope	Concentration Point 2G	103/222	103/222	0/0
E44	48-Inch RCP Stub @ 0.50% Slope	Basin 2-8	24/48	24/48	0/0
E45	14'x5' RCB @ 0.30% Slope	Concentration Point 2H	127/269	127/269	0/0
E46	14'x5' RCB @ 0.30% Slope	Concentration Point 2I (Q_{10} - Method A) (Q_{100} - Method B)	192/352	192/352	0/0
E47	Transition Structure	Concentration Point 2I (Q_{10} - Method A) (Q_{100} - Method B)	192/352	192/352	0/0
E48	10'x5' Arch @ 0.30% Slope	Concentration Point 2I (Q_{10} - Method A) (Q_{100} - Method B)	192/352	192/352	0/0
E49	54-Inch RCP Stub @ 0.50% Slope	To be Removed/Abandoned	-	-	-
E50a	10'x5' Arch	Concentration Point 2K (Q_{10} - Method A) (Q_{100} - Method B)	248/464	248/464	0/0
E50b	10'x5' Arch	Concentration Point PT2 (Q_{10} - Method A) (Q_{100} - Method B)	248/503	248/503	0/0
E51	Aliante Flood Channel	Concentration Point PT2 (Q_{10} - Method A) (Q_{100} - Method B)	248/503	248/503	0/0
E52	36-Inch RCP Stub @ 0.50% Slope	Basin 2-4	28/56	28/28	0/28
E53	36-Inch RCP @ 0.40% Slope	Concentration Point 2E	29/59	28/28	1/31
E54	36-Inch RCP Stub @ 0.50% Slope	Subbasin 2-5W	28/60	28/28	0/32
E55	24-Inch RCP Stub @ 0.50% Slope	Basin 2-9	11/24	11/11	0/13
E56	54-Inch RCP @ 0.40% Slope	Concentration Point 2F	67/142	66/67	1/75
E57	36-Inch RCP Stub @ 0.50% Slope	Basin 2-10	12/25	12/25	0/0
E58	54-Inch RCP @ 1.41% Slope	Concentration Point 2F + Basin 2-10	78/167	77/92	1/75
E59	42-Inch RCP Stub @ 0.50% Slope	Subbasin 2-5E	25/55	25/55	0/0
E60	54-Inch RCP @ 0.36% Slope	Concentration Point 2G	103/222	102/147	1/75
E61	2.5-ft Type C Drop Inlet with 18-Inch RCP Lateral @ 0.50% Slope	Half of Bypass from Facility E60	1/38	Nuisance	1/38
E62	2.5-ft Type C Drop Inlet with 18-Inch RCP Lateral @ 0.50% Slope	Half of Bypass from Facility E60	1/38	Nuisance	1/38
E63	54-Inch RCP @ 0.75% Slope	Concentration Point 2G	103/222	102/147	1/75
E64	42-Inch RCP Stub @ 0.50% Slope	Basin 1-1	29/57	29/57	0/0
E65	42-Inch RCP @ 0.34% Slope	Basin 1-1	29/57	29/57	0/0
E66	5.5-ft Modified Type C Drop inlet with 24-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E67	Drop Inlet and Lateral	Basin AL1E	3/5	3/5	0/0
E68	54-Inch RCP @ 0.34% Slope	Concentration Point 1A.1	31/61	31/61	0/0
E69	42-Inch RCP Stub @ 0.50% Slope	Basin 1-2	29/58	29/58	0/0
E70	60-Inch RCP @ 0.34% Slope	Concentration Point 1A	60/119	60/119	0/0
E71	11.5-ft Modified Type C Drop Inlet with 30-Inch RCP Lateral @ 0.50% Slope	Basin 1-4	25/55	21/21	4/34
E72	30-Inch RCP @ 0.50% Slope	Basin 1-4	25/55	21/21	4/34
E73	11.5-ft Modified Type C Drop Inlet with 36-Inch RCP Lateral @ 2.00% Slope	Bypass from Facility E72	4/34	4/34	0/0
E74	2.5-ft Type B Drop Inlet with 24-Inch RCP Lateral @ 2.00% Slope	Nuisance	Nuisance	Nuisance	0/0
E75	48-Inch RCP @ 0.50% Slope	Basin 1-4	25/55	25/55	0/0
E76	66-Inch RCP @ 0.34% Slope	Concentration Point 1B	80/167	80/167	0/0
E77	2.5-ft Type B Drop Inlet with 24-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E78	Drop Inlet and Lateral	Basin AL2E	3/5	3/5	0/0
E79	66-Inch RCP @ 0.38% Slope	Concentration Point 1B + Basin AL2E	83/172	83/172	0/0
E80	48-Inch RCP Stub @ 1.62% and 1.84% Slopes	Basin 1-3	27/60	27/60	0/0
E81	66-Inch RCP @ 0.38% Slope	Concentration Point PT1	109/232	109/232	0/0
E82	66-Inch RCP	Concentration Point PT1	109/232	109/232	0/0
E83	36-Inch RCP Stub @ 0.50% Slope	Basin 3-1	30/59	30/59	0/0
E84	42-Inch RCP @ 0.50% Slope	Basin 3-1	30/59	30/59	0/0
E85	36-Inch RCP Stub @ 0.50% Slope	Basin 3-2	14/31	14/31	0/0
E86	42-Inch RCP @ 1.01% Slope	Concentration Point PT3	43/89	43/89	0/0
E87	11.5-ft Modified Type C Drop Inlet with 24-Inch RCP Lateral @ 0.51% Slope	Nuisance	Nuisance	Nuisance	0/0
E88	48-Inch RCP @ 0.57% Slope	Concentration Point PT3	43/89	43/89	0/0
E89	14.5-ft Modified Type C Drop Inlet	Basin U720	28/67	28/29	0/38
E90	14.5-ft Modified Type C Drop Inlet	Concentration Point CP26 - Facility E89	31/112	31/71	0/41
E91	4-ft Type A Drop Inlet with 18-Inch RCP Lateral @ 0.25% Slope	Nuisance	Nuisance	Nuisance	0/0
E92	60-Inch RCP @ 0.36% Slope	Basin U700	50/122	50/122	0/0
E93	18-Inch RCP @ 0.40% Slope	Basin 4-1 + 4-6 + Half of Basin 4-7	47/97	Nuisance	47/97
E94	30-Inch RCP Stub @ 0.87% Slope	Half of Basin 4-7	14/32	14/32	0/0
E95	36-Inch RCP @ 0.30% Slope	Concentration Point 4A	61/129	14/32	47/97
E96	2.5-ft Type B Drop Inlet with 24-Inch RCP Lateral @ 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
E97	11.5-ft Modified Type C Drop Inlet with 36-Inch RCP Lateral @ 0.50% Slope	Bypass from Facility E95	47/97	47/47	0/50
E98	48-Inch RCP @ 0.30% Slope	Concentration Point 4A	61/129	61/79	0/50
E99	14.5-ft Modified Type C Drop Inlet with 36-Inch RCP Lateral 0.50% Slope	Half of Bypass from Facility E98	0/25	0/25	0/0
E100	14.5-ft Modified Type C Drop Inlet with 36-Inch RCP Lateral 0.50% Slope	Half of Bypass from Facility E98	0/25	0/25	0/0
E101	66-Inch RCP @ 0.30% Slope	Concentration Point 4A	61/129	61/129	0/0
E102	66-Inch RCP @ 0.30% and 0.41% Slopes	Concentration Point 4A	61/129	61/129	0/0
E103	66-Inch RCP @ 0.41% Slope	Concentration Point 4A	61/129	61/129	0/0
E104	Dual 8'x4' RCBs	Concentration Point PT4	246/505	246/464	0/41
E105	Linear Park	Concentration Point PT4	246/505	246/464	-
E106	18-Inch RCP @ 0.90% Slope	Nuisance	Nuisance	Nuisance	0/0

Future Facility Summary
Ultimate Condition

Facility ID	Facility Description (Type, Size & Slope)	Flow Breakdown/ Notes	Q_{10}/Q_{100} Total (cfs)	Q_{10}/Q_{100} Storm Drain (cfs)	Q_{10}/Q_{100} Surface (cfs)
F1	Drop Inlet and Lateral (type, size & slope TBD)	Concentration Point CP17 - Facilities E1 & E6; Facilities F1 and F2 are anticipated to replace Facilities E2, E3 and E4.	223/844	223/422	0/422
F2	Drop Inlet and Lateral (type, size & slope TBD)				
F3	Drop Inlet with dual 36-Inch RCP Laterals	Half of the Bypass from Facility F1/F2	12/211	12/122 (6/61 per lateral)	0/89
Facility ID F4 thru F7 are Not Used					
F8	Drop Inlet with 24-Inch RCP Lateral	Bypass from Facility F3 + the Difference between Concentration Points CP17 & CP18	1/91	1/24	0/67

Proposed Interim Facility Summary
Interim Condition

Facility ID	Facility Description (Type, Size & Slope)	Flow Breakdown/ Notes	Q_{10}/Q_{100} Total (cfs)	Q_{10}/Q_{100} Storm Drain (cfs)	Q_{10}/Q_{100} Surface (cfs)
I1	34-ft Trench Drain (Neenah R-4999-LX)	Concentration Point CP19 - Facility E1, E2, E3 & E6	134/661	69/176	65/485
I2	12.5-ft Type CM Drop Inlet with 42-Inch RCP Lateral @ 2.34% Slope	Bypass from Facility I1	65/485	41/63	24/422

Proposed Facility Summary
Ultimate Condition

Facility ID	Facility Description (Type, Size & Slope)	Flow Breakdown/ Notes	Q_{10}/Q_{100} Total (cfs)	Q_{10}/Q_{100} Storm Drain (cfs)	Q_{10}/Q_{100} Surface (cfs)
Facility ID P1 and P2 are Not Used					
P3	12'x5' RCB @ 1.14% Slope	Concentration Point CP17 - Facility E6	306/927	306/505	0/422
P4	36-Inch RCP @ 0.61% Slope	Facility E6	N/A	30/30	N/A
P5	12'x5' RCB @ 1.14% Slope	Concentration Point CP17	336/957	336/535	0/422
P7	12'x5' RCB @ 1.14% Slope	Concentration Point CP17	336/957	336/657	0/300
P8	Drop Inlet with Dual 36-Inch RCP Laterals @ Varying Slopes (0.50% to 15.08%)	Half of the Bypass from Facility F1/F2	12/211	12/122 (6/61 per lateral)	0/89
P9	12'x5' RCB @ 1.14% and 1.93% Slopes	Concentration Point CP17	336/959	336/779	0/180
Facility ID P10 thru P16 are Not Used					
P17	Transition Structure @ 1.93% Slope	Concentration Point CP18	337/959	337/803	0/156
P18	Drop Inlet with Dual 24-Inch RCP Lateral @ Varying Slopes (0.50% to 18.45%)	Bypass from Facility P8	0/89	0/51 (0/25.5 per lateral)	0/38
P19	12'x7' Arch @ 0.45% Slope	Concentration Point CP18	337/959	337/854	0/105
P20	Drop Inlet with 24-Inch RCP Lateral @ 0.50% and 18.58% Slopes	Bypass from Facility P18	0/37	0/13	0/25
P21	12'x7' Arch @ 0.45% Slope	Concentration Point CP18	337/959	337/867	0/92
P22	Drop Inlet with 24-Inch RCP Lateral @ 0.50% and 18.36% Slopes	Bypass from Facility P20	0/25	0/10	0/15
P23	12'x7' Arch @ 0.45% Slope	Concentration Point CP18	337/959	337/877	0/82
P24	Drop Inlet with 24-Inch RCP Lateral @ 0.50% and 18.70% Slopes	Bypass from Facility P22	0/15	0/7	0/8
P25	12'x7' Arch @ 0.45% Slope	Concentration Point CP19	344/989	337/884	7/105
P26	36-Inch RCP Lateral @ 13.30% Slope	Bypass from Facility F8 + the Difference Between Concentration Points CP18 & CP19	7/97	7/54	0/43
P27	12'x7' Arch @ 0.45% Slope	Concentration Point CP20	349/1008	344/938	5/70
P28	12'x7' Arch @ 0.45% Slope	Concentration Point CP20	349/1008	349/989	0/19
P29	12'x7' Arch @ 0.45% Slope	Concentration Point CP20	349/1008	349/1000	0/8
P30	Drop Inlet with 18-Inch RCP Lateral @ 2.00% Slope	Bypass from Facility P24	0/8	0/8	0/0
P31	12'x7' Arch @ 0.45% Slope	Concentration Point CP20	349/1008	349/1008	0/0
P32	72-inch RCP @ 0.50% Slopes	Concentration Point CP21	46/102	46/102	0/0
P33	Junction Structure	Concentration Point CPGTA	358/1026	358/1026	0/0
P34	12'x7' Arch @ 0.30% Slopes	Concentration Point CPGTA	358/1026	358/1026	0/0
P35	Drop Inlet with 36-Inch RCP Lateral @ 0.50% Slope	Half of (Concentration Point 2A - Facility E17)	25/53	25/53	0/0
P36	Drop Inlet with 36-Inch RCP Lateral @ 0.50% Slope	Half of (Concentration Point 2A - Facility E17)	25/53	25/53	0/0
P37	Junction Structure	Concentration Point 2A	72/155	72/155	0/0
P38	66-Inch RCP @ 0.51% Slope	Concentration Point 2A	72/155	72/155	0/0
P39	Detention Basin	Concentration Point 2B	370/1066	370/1066	N/A
Facility ID P39a is Not Used					
P39b	7.0-ft Wide Low Flow Channel	N/A	N/A	12/12	N/A
P39c	5.0-ft Wide Low Flow Channel	N/A	N/A	15/15	N/A
P39d	200.0-ft Spillway	N/A	N/A	N/A	N/A
P39e	54-inch Orifice Plate & Trash Rack	Concentration Point DB1 (Method A)	127/222	127/222	0/0
P40	72-inch RCP @ 0.35% Slope	Concentration Point DB1 (Method A)	127/222	127/222	0/0
P41	72-inch RCP @ 0.30% Slope	Concentration Point DB1 (Method A)	127/222	127/222	0/0
P42	72-inch RCP @ 0.30% Slope	Concentration Point DB1 (Method A)	127/222	127/222	0/0
P43	72-inch RCP @ 0.32% Slope	Concentration Point 2C (Method A)	128/222	128/222	0/0
P44	48-Inch RCP Stub @ 0.50% Slope	Basin 2-7	7/19	7/19	0/0
P45	Junction Structure	Concentration Pont 2D (Method A)	128/222	128/222	0/0
P46	6'x5' RCB @ 0.32% Slope	Concentration Pont 2D (Method A)	128/222	128/222	0/0
P47	48-Inch RCP Stub @ 0.50% Slope	Concentration Point 2J	39/82	39/82	0/0
P48	Drop Inlet with 18-Inch RCP Lateral at 0.50% Slope	Nuisance	Nuisance	Nuisance	0/0
P49	54"x88" Arch @ 0.41% Slope	Concentration Point 4A	61/129	61/129	0/0
P50	Drop Inlet	Half of (Bypass from Facility P56 + Basin 4-4)	8/49	8/49	0/0
P51	54"x88" Arch @ 0.41% Slope	Concentration Point 4A + Half of (Bypass from Facility P56 + Basin 4-4)	72/188	72/188	0/0
P52	36-Inch RCP Stub @ 0.50% Slope	Basin 4-2	43/86	43/43	0/43
P53	36-Inch RCP @ 0.67% Slope	Basin 4-2 + U1020	50/102	43/43	7/59
P54	36-Inch RCP Stub @ 0.50% Slope	Basin 4-3	30/65	30/30	0/35
P55	48-Inch RCP @ 0.58% Slope	Concentration Point 4C	72/151	63/73	9/78
P56	48-Inch RCP @ 0.41% Slope	Concentration Point 4C	72/151	63/73	9/78
P57	Drop Inlet	Half of (Bypass from Facility P56 + Basin 4-4)	8/49	8/49	0/0
P58	8'x4' RCB @ 0.41% Slope	Concentration Point 4D	150/316	150/316	0/0
P59	8'x4' RCB @ 0.42% Slope	Concentration Point 4D	150/316	150/316	0/0
P60	48-Inch RCP Stub @ 0.50% Slope	Basin 4-5	50/100	50/100	0/0
P61	Drop Inlet with 24-Inch RCP Lateral @ 1.00% Slope	Concentration Point 4I	41/81	24/24	17/57
P62	24-Inch RCP @ 0.50% Slope	Concentration Point 4I	41/81	24/24	17/57
P63	Drop Inlet with 18-Inch RCP Lateral @ 1.00% Slope	Bypass from Facility P61	17/57	17/17	0/40
P64	36-Inch RCP @ 0.50% Slope	Concentration Point 4I	41/81	41/41	0/40
P65	Junction Structure	Concentration Point PT4	241/497	241/457	0/40
P66	30-Inch RCP Lateral @ 0.50% Slope	Basin U720	28/67	28/29	0/38
P67	30-Inch RCP @ 0.50% Slope	Concentration Point CP26	59/141	28/29	31/112
P68	42-Inch Lateral @ 0.50% Slope	Bypass from Facility P67	31/112	31/71	0/41
P69	Drop Inlet with 18-Inch Lateral @ 0.50% Slope	Bypass from Facility P67	31/112	Nuisance	0/41
P70	48-Inch RCP @ 0.50% Slope	Concentration Point CP26	59/141	59/100	0/41
P71	72-Inch RCP @ 0.50% Slope	Concentration Point CP27	101/248	101/207	0/41
P74	36-Inch RCP Stub @ 0.50%	Basin 2-13	18/39	18/39	0/0
P75	18-Inch RCP Stub @ 0.90%	Facility E106	Nuisance	Nuisance	0/0

0 350 700
SCALE – 1" = 350' FEET

N

LEGEND

- STORM DRAIN FACILITY (RCP, RCB, DITCH, ETC.)
- STORM DRAIN FACILITY (DETENTION BASIN)
- STORM DRAIN FACILITY (DROP INLET)
- FACILITY ID
- EXISTING
- PROPOSED
- PROPOSED INTERIM
- FUTURE (BY OTHERS)
- EXISTING TO BE REMOVED OR ABANDONED
- SURFACE FLOW
- BASIN BOUNDARY
- BASIN ID
- SUBBASIN BOUNDARY
- SUBBASIN ID
- CONCENTRATION POINT

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NO.	DESCRIPTION	DATE	BY	APP. DATE	APP.

CRESCENT BAY HOLDINGS

UPDATE NO. 1 TO THE MASTER DRAINAGE STUDY FOR PARK HIGHLANDS WEST CONCEPTUAL FACILITIES MAP

DATE: SEPT 2014
DRAFTER: KC
DESIGNER: KC
CHECKED: MJF
PROJECT NO. CBH1301.002

EXHIBIT P
SHEET 1 OF 1

j:\cbh1301-002 park highlands master drainage & mpa\drainage\ph west mds update1\supplement1\figures\cbh1301 phw exhibit p conceptual facilities map.dwg 9/5/2014 2:10 PM Kellin Collins