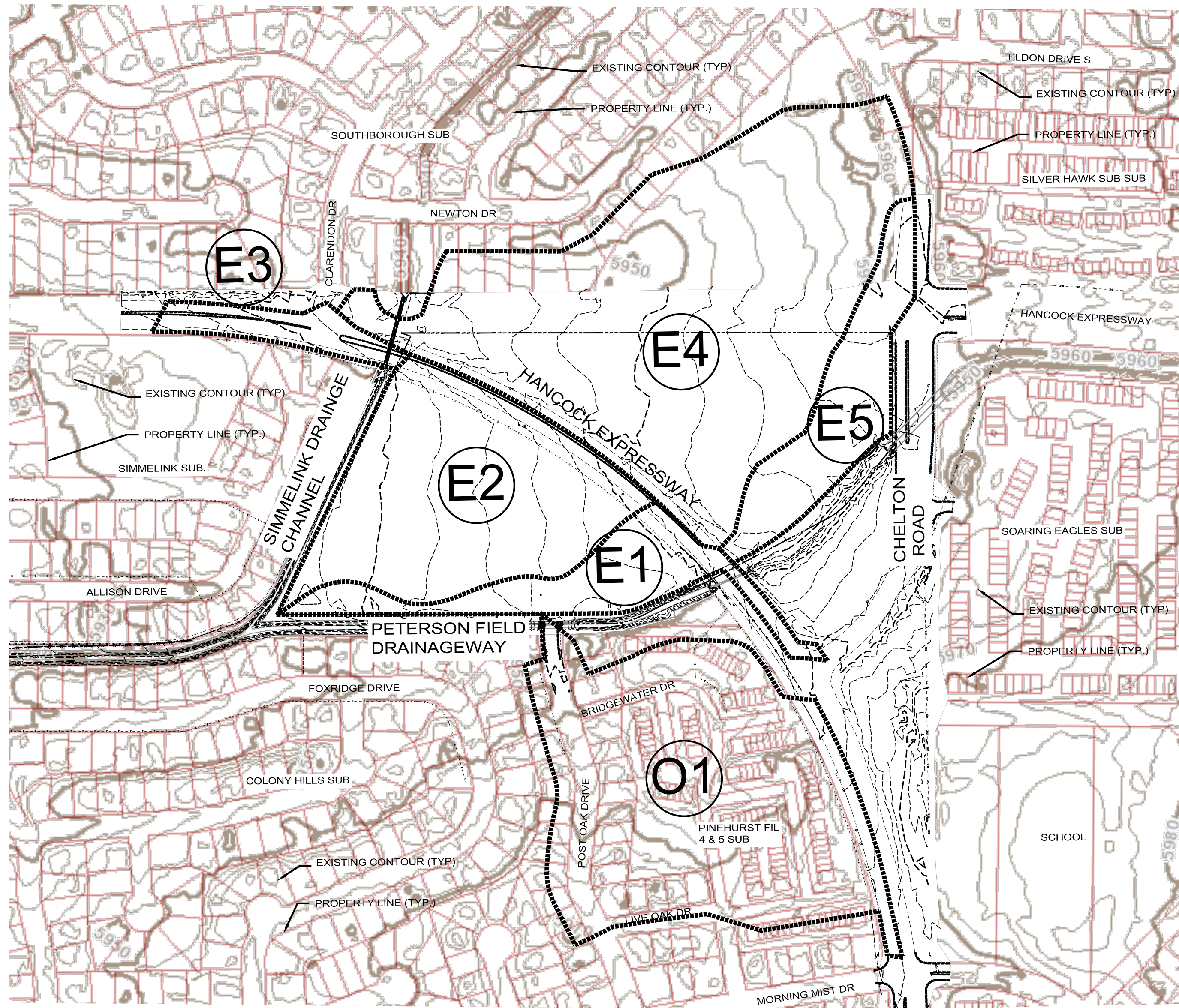
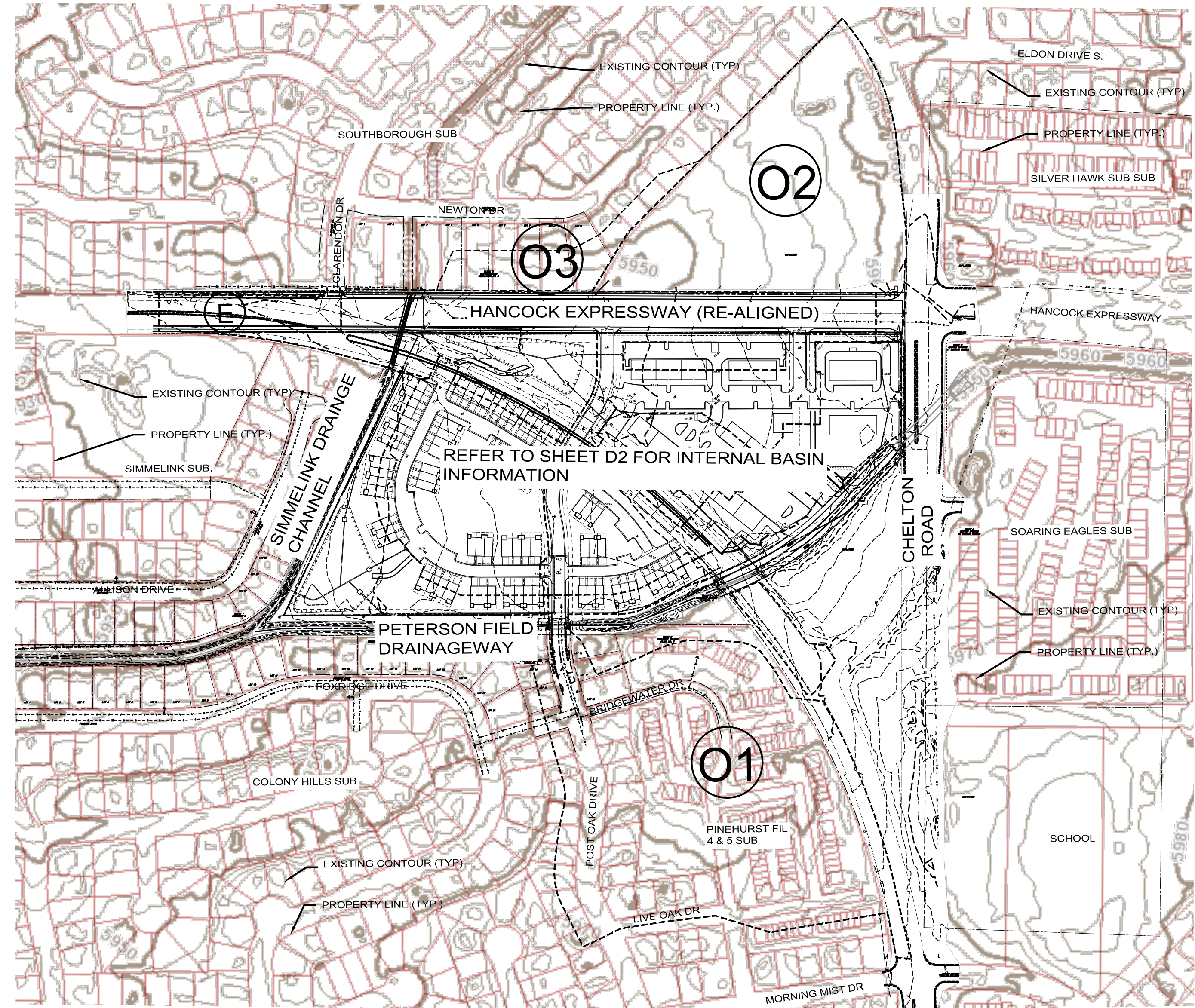


EXISTING CONDITIONS (OVERALL)



PROPOSED CONDITIONS (OVERALL)



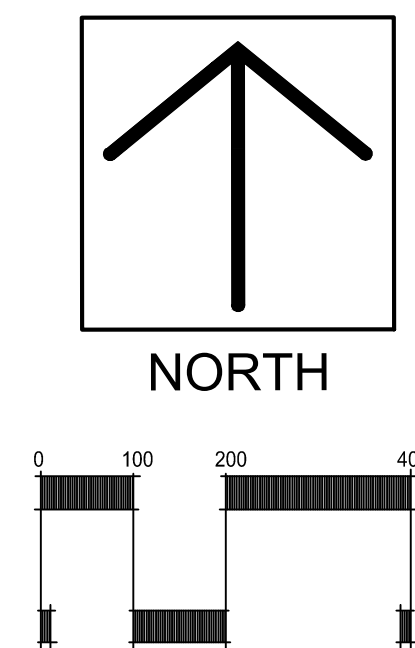
Design Point	Flow		Comments
	Q ₅	Q ₁₀₀	
1	0.2	1.6	flow to Type C inlet 1
2	8.4	18.1	flow to 8" Type D-10-R sump inlet 2
3	5.7	12.0	flow to 2-4" Type d-10-R sump inlets 3 & 4
4	1.1	2.8	flow to Type C inlet 5 and basin A4 roof and lawn runoff
5	14.7	32.6	flow into pond (basins A1,A2,A3,A4)
6	19.2	42.5	total flow to pond
7	22.6	57.8	flow to 2-12" Type D-10-R sump inlets 6 & 7
8	2.7	5.0	flow to 4" Type D-10-R sump inlet 8
9	2.5	4.8	flow to 4" Type D-10-R sump inlet 9
10	3.8	7.3	flow to 4" Type D-10-R sump inlet 10
11	33.9	80.4	total flow to pond
12	4.6	9.6	flow to inlets 11, 12 & 17
13	2.6	5.8	flow to inlets 15 & 16
14	26.8	55.8	flow to 2-8" exist. Type D-10-R sump inlets (existing) and 2-4" Type D-10-R sump inlets 13 & 14
15	4.3	7.8	flow to west in Hancock
16	0.5	1.8	flow to Type C inlet 18

Basin	Area Total (acres)	C _s	C ₁₀₀	Total Flows	
				Q ₅ (c.f.s.)	Q ₁₀₀ (c.f.s.)
E1	2.84	0.23	0.46	1.4	4.7
E2	7.74	0.15	0.40	2.8	12.9
E3	1.19	0.78	0.87	4.8	9.0
E4	17.32	0.17	0.41	5.4	22.2
E5	3.10	0.16	0.41	1.0	4.3
A1	0.64	0.08	0.35	0.2	1.6
A2	4.35	0.53	0.68	8.4	18.1
A3	2.56	0.57	0.71	5.7	12.0
A4	0.55	0.39	0.58	1.1	2.8

	A5	2.42	0.50	0.66	4.8	10.6
B1	5.76	0.71	0.82	17.6	34.0	
B2	0.65	0.80	0.88	2.7	5.0	
B3	1.72	0.71	0.81	6.3	12.1	
B4	1.74	0.51	0.67	4.6	10.1	
C	1.91	0.56	0.70	3.7	7.9	
D	1.01	0.50	0.66	2.6	5.8	
E	0.96	0.53	0.94	2.6	7.8	
F	2.11	0.90	0.96	0.9	1.7	
G	0.59	0.22	0.45	0.5	1.8	
O1	12.19	0.53	0.65	26.8	55.8	
O2 (Undeveloped)	7.31	0.08	0.35	2.5	18.1	
O3	1.27	0.45	0.59	2.6	5.7	

REFER TO REPORT FOR PUBLIC VERSUS PRIVATE DESIGNATION			
I#	P#		
1	1	CDOT TYPE C (SUMP)	15" PVC
2	2	8" D-10-R (SUMP)	24" RCP
3	3	4" D-10-R (SUMP)	18" RCP
4	4	4" D-10-R (SUMP)	18" RCP
5	5	CDOT TYPE C (SUMP)	24" RCP
6	6	12" D-10-R (SUMP)	12" PVC
7	7	12" D-10-R (SUMP)	30" RCP
8	8	4" D-10-R (SUMP)	30" RCP
9	9	4" D-10-R (SUMP)	42" RCP
10	10	4" D-10-R (SUMP)	18" RCP
11	11	4" D-10-R (SUMP)	18" RCP
12	12	4" D-10-R (SUMP)	12" PVC
13	13	8" D-10-R (SUMP)	12" PVC
14	14	8" D-10-R (SUMP)	12" PVC
15	15	8" D-10-R (SUMP)	12" PVC
16	16	8" D-10-R (SUMP)	18" RCP
17	17	4" D-10-R (RADIAL)	24" RCP
18	18	CDOT TYPE C (SUMP)	18" RCP
19	19		18" RCP

NOTE: HDPE PIPE MATERIAL MAY BE USED INSTEAD OF RCP FOR FINAL DESIGN OF PRIVATE PIPES.



LEGEND

- A** BASIN ID
- 1** DESIGN POINT
- I#** INLET ID
- P#** PIPE ID

EXISTING (E)
 PROPOSED (P)
 FUTURE (F)
 CURB AND GUTTER (C&G)
 EASEMENT (ESMT)
 PUBLIC (PUB)
 PRIVATE (PVT)
 UTILITY (UT)

BASIN BOUNDARY
 RIGHT-OF-WAY/PROPERTY LINE (FIMS LABELED ON EACH SHEET)
 (E) CONTOUR, INDEX (FIMS LABELED ON EACH SHEET)
 (E) CONTOUR (FIMS LABELED ON EACH SHEET)
 (E) OVERHEAD UTILITY
 (E) SANITARY MAIN, MH
 (E) WATER MAIN, VALVE, FH
 (P) SANITARY MAIN, MH
 (P) WATER MAIN, VALVE
 (P) CONTOUR, INDEX
 (P) CONTOUR
 (P) STORM SEWER, INLET, MH
 SURFACE FLOW DIRECTION

PRC ENGINEERING, INC.
 4465 NORTH PARK DRIVE, SUITE 400A
 COLORADO SPRINGS, CO 80907

PRC ENGINEERING

HANCOCK COMMONS
 City Of Colorado Springs
 El Paso County, CO

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D1
 sheet number