



LINE NO	STATION	LINE	INSTALL	TOP ELEV	FLOWLINE	FLOWLINE
1A	0400	A	TYPE C FOOT INLET	19	11.85	
2A	0416.41	A	18" X 6" 45" WYE		6" = 12.40	18" = 13.96
3A	0454.57	A	12" DECK DRAIN	18.8	15" = 12.40	18" = 12.27
4A	0483.89	A	18" X 6" 45" WYE		6" = 13.00	18" = 12.50
5A	1418.68	A	18" X 6" 45" WYE		6" = 13.28	18" = 12.17
6A	1450.30	A	18" X 6" 45" WYE		6" = 13.54	18" = 12.04
7A	1475.48	A	18" X 15" 30" BEND		15" = 13.11	18" = 12.25
8A	1492.21	A	15" X 6" 45" WYE		6" = 13.19	18" = 12.50
9A	2424.49	A	15" X 6" 45" WYE		6" = 13.13	15" = 13.13
10A	2435.04	A	15" X 6" 30" WYE		6" = 13.13	15" = 13.13
11A	2437.77	A	15" X 6" 45" WYE		6" = 13.13	15" = 13.13
12A	2438.86	A	15" X 12" REDUCER		12" = 13.13	15" = 13.13
13A	2455.79	A	12" X 6" 45" WYE		6" = 14.35	12" = 14.35
14A	2477.18	A	12" X 6" 30" WYE		6" = 14.55	12" = 14.30
15A	2494.13	A	12" X 6" 45" WYE		6" = 14.55	12" = 14.30
16A	3408.23	A	12" X 6" 45" WYE		6" = 14.80	12" = 14.55
17A	3433.79	A	12" X 6" 45" WYE		6" = 15.15	12" = 14.75
18A	3452.99	A	12" X 6" 45" WYE		6" = 15.16	12" = 14.91
19A	3473.25	A	12" X 6" 45" WYE		6" = 15.15	12" = 15.07
20A	3493.51	A	12" X 6" 45" WYE		6" = 15.23	12" = 15.07
21A	3495.59	A	10" X 6" 45" WYE		6" = 15.50	10" = 15.33
22A	3472.82	A	10" X 6" 30" WYE		6" = 15.76	10" = 15.58
23A	4418.88	A	10" X 10" 30" BEND		6" = 15.64	10" = 15.87
24A	4418.47	A	10" X 6" 45" WYE		6" = 16.17	10" = 16.00
25A	4483.72	A	12" DECK DRAIN	17.8	8" = 16.16	10" = 16.08
26A	5408.25	A	8" X 6" 45" WYE		6" = 16.43	8" = 16.35
27A	5423.24	A	8" X 6" 45" WYE		6" = 16.55	8" = 16.47
28A	5425.02	A	10" X 6" REDUCER		6" = 16.57	8" = 16.49
29A	5427.06	A	6" X 6" 45" WYE		6" = 16.59	6" = 16.59
30A	5438.52	A	6" X 6" 45" BEND		6" = 16.68	6" = 16.68
31A	5441.65	A	12" DECK DRAIN	17.7	16.70	16.70
32A	0401.88	LAT A-1	6" X 6" 45" BEND		16.65	16.65
33A	0417.58	LAT A-1	12" DECK DRAIN	17.7	16.77	16.77
34A	0427.85	LAT A-2	12" DECK DRAIN	17.7	16.58	16.58
35A	0424.76	LAT A-3	6" X 6" 45" WYE		16.63	16.63
36A	0441.64	LAT A-4	12" DECK DRAIN	18.8	16.77	16.77
37A	0407.22	LAT A-5	12" DECK DRAIN	18.85	16.69	16.69
38A	0433.76	LAT A-5	6" X 6" 45" WYE		16.78	16.78
39A	0437.65	LAT A-5	48" TRENCH DRAIN	18.9	16.47	16.47
40A	0441.65	LAT A-5	6" X 6" 45" BEND		16.60	16.60
41A	0447.32	LAT A-5	6" X 6" 45" BEND		16.54	16.54
42A	0457.55	LAT A-5	48" TRENCH DRAIN	18.9	16.59	16.59
43A	0420.11	LAT A-6	12" DECK DRAIN	17.8	16.35	16.35
44A	0404.76	LAT A-7	12" DECK DRAIN	18.85	16.07	16.07
45A	0409.38	LAT A-8	48" TRENCH DRAIN	18.75	15.83	15.83
46A	0409.13	LAT A-9	12" DECK DRAIN	18.7	15.67	15.67
47A	0406.32	LAT A-10	12" DECK DRAIN	18.8	15.49	15.49
48A	0405.74	LAT A-11	12" DECK DRAIN	18.9	15.39	15.39
49A	0403.12	LAT A-12	12" DECK DRAIN	18.9	15.15	15.15
50A	0407.13	LAT A-13	12" DECK DRAIN	18.8	14.98	14.98
51A	0405.21	LAT A-14	6" X 6" 45" BEND		14.71	14.71
52A	0409.88	LAT A-14	12" DECK DRAIN	18.8	14.75	14.75
53A	0406.90	LAT A-15	12" DECK DRAIN	18.85	14.55	14.55
54A	0408.21	LAT A-16	12" DECK DRAIN	18.9	14.30	14.30
55A	0415.03	LAT A-17	6" X 6" 45" BEND		14.34	14.34
56A	0429.43	LAT A-17	6" X 6" 45" DOUBLE WYE & 48" TRENCH DRAIN		14.44	14.44
57A	0408.60	LAT A-17	48" TRENCH DRAIN	18.8	14.33	14.33
58A	0457.68	LAT A-17	48" TRENCH DRAIN	18.8	14.67	14.67
59A	0420.85	LAT A-18	6" X 6" 45" BEND		14.70	14.70
60A	0422.41	LAT A-18	12" DECK DRAIN	18.9	14.71	14.71
61A	0403.64	LAT A-19	48" TRENCH DRAIN	18.75	14.16	14.16
62A	0402.67	LAT A-20	48" TRENCH DRAIN	18.8	13.85	13.85
63A	0415.65	LAT A-21	48" TRENCH DRAIN	18.75	13.66	13.66
64A	0415.68	LAT A-22	48" TRENCH DRAIN	18.75	13.40	13.40
65A	0415.72	LAT A-23	48" TRENCH DRAIN	18.75	13.17	13.17
<b>LINE B</b>						
1B	0426.17	B	15" X 12" X 6" 45" WYE & 12" DECK DRAIN	18.9	6" = 12.99	12" = 12.74
2B	0409.00	B	12" X 10" X 10" 45" DOUBLE WYE		10" = 18.19	12" = 18.11
3B	0451.51	B	48" TRENCH DRAIN	18.75	13.13	13.13
4B	0407.77	B	48" TRENCH DRAIN	18.75	13.45	13.45
5B	1430.95	B	48" TRENCH DRAIN	18.75	13.78	13.78
6B	1431.00	B	10" X 8" REDUCER		8" = 13.86	10" = 13.79
7B	1445.18	B	8" X 8" 45" BEND		14.01	14.01
8B	1450.92	B	8" X 6" 45" WYE		6" = 14.06	8" = 14.13
9B	1480.54	B	8" X 6" 45" BEND		14.36	14.36
10B	1487.23	B	48" TRENCH DRAIN	18.8	14.43	14.43
11B	2452.89	B	48" TRENCH DRAIN	18.8	14.75	14.75
12B	2451.56	B	48" TRENCH DRAIN	18.8	15.07	15.07
13B	2483.73	B	48" TRENCH DRAIN	18.8	5.39	5.39
14B	2483.50	B	8" X 6" REDUCER		6" = 15.52	8" = 15.44
15B	3414.01	B	48" TRENCH DRAIN	18.8	15.78	15.78
16B	3442.38	B	48" TRENCH DRAIN	18.8	16.06	16.06
17B	3489.41	B	6" X 6" 45" WYE		16.33	16.33
18B	3467.78	B	6" X 6" 45" WYE		16.53	16.53
19B	4410.87	B	12" DECK DRAIN	18.85	16.75	16.75
20B	0401.92	LAT B-1	12" DECK DRAIN	18.85	16.53	16.53
21B	0401.86	LAT B-2	12" DECK DRAIN	18.85	16.35	16.35
22B	0403.80	LAT B-3	96" TRENCH DRAIN	18.8	14.27	14.27
23B	0432.76	LAT B-4	48" TRENCH DRAIN	18.75	15.50	15.50
24B	0405.36	LAT B-4	48" TRENCH DRAIN	18.75	13.83	13.83
25B	0408.25	LAT B-4	10" X 8" REDUCER		8" = 13.94	10" = 13.85
26B	0479.02	LAT B-4	8" X 8" 45" BEND		14.04	14.04
27B	0459.80	LAT B-4	48" TRENCH DRAIN	18.8	14.25	14.25
28B	1427.91	LAT B-4	48" TRENCH DRAIN	18.8	14.37	14.37
29B	1436.44	LAT B-4	DOUBLE WYE		6" = 14.53	8" = 14.45
30B	1444.44	LAT B-4	6" X 6" 45" BEND		14.61	14.61
31B	1463.43	LAT B-4	6" X 6" 45" WYE		14.80	14.80
32B	1484.62	LAT B-4	6" X 6" 45" WYE		15.01	15.01
33B	1492.19	LAT B-4	6" X 6" 45" WYE		15.09	15.09
34B	2425.55	LAT B-4	48" TRENCH DRAIN	18.8	15.41	15.41
35B	2449.25	LAT B-4	12" X 6" 45" BEND		15.66	15.66
36B	2456.60	LAT B-4	48" TRENCH DRAIN	18.8	15.73	15.73
37B	0407.25	LAT B-5	48" TRENCH DRAIN	18.8	15.16	15.16
38B	0412.42	LAT B-6	6" X 6" 45" BEND		14.85	14.85
39B	0423.55	LAT B-6	48" TRENCH DRAIN	18.8	14.94	14.94
40B	0449.23	LAT B-6	48" TRENCH DRAIN	18.8	15.20	15.20
41B	0479.36	LAT B-6	48" TRENCH DRAIN	18.8	15.49	15.49
42B	0412.42	LAT B-7	6" X 6" 45" BEND		14.85	14.85
43B	0429.05	LAT B-7	48" TRENCH DRAIN	18.75	14.60	14.60
44B	0427.48	LAT B-7	48" TRENCH DRAIN	18.75	15.11	15.11
45B	0415.33	LAT B-8	12" DECK DRAIN	18.85	13.15	13.15
46B	0433.89	LAT B-8	12" DECK DRAIN	18.5	13.32	13.32
47B	0454.23	LAT B-8	12" DECK DRAIN	18.9	13.53	13.53
48B	0472.39	LAT B-8	12" DECK DRAIN	18.9	13.71	13.71
49B	0487.35	LAT B-8	12" DECK DRAIN	18.9	13.88	13.88
50B	1401.87	LAT B-8	12" DECK DRAIN	18.9	14.00	14.00
<b>LINE C</b>						
1C	0416.72	C	6" X 6" 45" WYE		12.63	12.63
2C	0419.38	C	6" X 6" 45" BEND		12.64	12.64
3C	0437.26	C	6" X 6" 45" WYE		12.78	12.78
4C	0456.44	C	48" TRENCH DRAIN	18.90	12.93	12.93
5C	0405.13	LAT C-1	48" TRENCH DRAIN	18.80	12.82	12.82
6C	0407.29	LAT C-2	12" DECK DRAIN	18.80	12.67	12.67

**BENCHMARK**  
 EXISTING TOPOGRAPHIC INFORMATION PROVIDED BY STAYER SURVEYING AND MAPPING INC. FROM SURVEY DATED AUGUST 29, 2017 USING NAVD88 VERTICAL DATUM. PHONE: (407) 497-1290.

**BENCHMARK DESCRIPTIONS:**

**BM#1:**  
 ELEVATION = 11.25

**BM#2:**  
 ELEVATION = 11.41

- NOTES:**
- ALL MANHOLE RIMS AND VALVE BOXES TO BE ADJUSTED TO FINAL PAVING GRADE.
  - CONTRACTOR SHALL STAKE OUT CURB LINE TO ENSURE NO SANITARY SEWER OR STORM SEWER MANHOLE OR WATER VALVES FALL ON A CURB.
  - CONTRACTOR SHALL COMPLETE ALL FILL OPERATIONS PRIOR TO INSTALLING ANY UTILITIES (I.E., WATER, SEWER, STORM WATER). AFTER FILL OPERATIONS ARE COMPLETED, THE CONTRACTOR SHALL EXCAVATE THE UTILITY TRENCH, INSTALL UTILITIES, COMPACT THE TRENCH AND ENSURE ALL PUBLIC WORKS INSPECTIONS ARE PROPERLY PERFORMED.
  - REFER TO SHEET C-3 FOR GRADING PLAN
  - REFER TO SHEET C-5 FOR JOINTING PLAN AND DETAIL KEY

**LEGEND:**

---	PROPOSED PVC DECK DRAIN LINE
•	PROPOSED 12" AREA DRAIN SEE DET. 5 SHEET C-9
- - -	PROPOSED TRENCH DRAIN SEE DET. 5 SHEET C-9
FF	FINISH FLOOR
WL	WATER LEVEL

THIS DEVELOPMENT HAS BEEN DESIGNED TO NOT IMPEDE, IMPOUND OR BLOCK THE NATURAL FLOW OF DRAINAGE FROM OR ACCESS ADJACENT AND CONTIGUOUS PROPERTIES.

**TOTAL STATION LAYOUT**  
 KIMLEY-HORN WILL PROVIDE AN AUTOCAD FILE OF THIS PLAN TO THE CONTRACTOR'S SURVEYOR TO USE FOR LAYOUT, VIA TOTAL STATION.

**Kimley-Horn**  
 2201 West Royal Lane, Suite 275, Irving, Texas 75063  
 P.O. BOX 1000, IRVING, TEXAS 75039  
 FLORIDA REGISTERED ENGINEERING FIRM BR-0000219  
 FLORIDA REGISTERED LANDSCAPE ARCHITECTURE FIRM LC-0000219  
 2017 KIMLEY-HORN AND ASSOCIATES, INC.

PETER T. VAN BUSKICK  
 PROFESSIONAL ENGINEER  
 LICENSE NO. 38859  
 THIS ITEM HAS BEEN  
 ELECTRONICALLY  
 SIGNED BY PETER  
 T. VAN BUSKICK, P.E.  
 USING A SA-19  
 AUTHENTICATION CODE.

**BUTLER PARK  
 AQUATIC CENTER  
 CITY OF NORTHPORT, FL**

**DECK DRAINAGE  
 PLAN**

Scale: AS SHOWN  
 Designed by: MCH  
 Drawn by: KWS  
 Checked by: DP  
 Date: DECEMBER 2017  
 Project No. 48285014

SHEET  
**C-4**