

4.0 Conceptual Land Use Drainage Basins

Conceptual Land Use – Basin Level Breakdown¹

Basin ID	Buildings² (acres)	Pavement (acres)	Water Mgmt (acres)	Pervious (acres)	Preservation (acres)	Total (acres)
<i>SMA-1^{3,3A}</i>	<i>11.08</i>	<i>31.98</i>	<i>29.78</i>	<i>26.25</i>	<i>0.00</i>	<i>99.09</i>
SMA-2	1.47	7.9	2.36	6.09	0.00	17.81
SMA-3	2.34	9.18	6.44	6.98	0.00	24.94
SMA-4A	0.44	3.04	1.24	2.37	0.00	7.10
SMA-4B	0.44	3.06	1.31	2.91	0.00	7.72
SMA-5	4.65	25.82	4.64	15.15	0.00	50.26
SMA-6	2.03	13.63	3.97	16.74	0.00	36.37
POND-7	0.00	0.00	0.50	0.66	0.00	1.16
SMA-8	3.17	17.25	2.80	10.53	0.00	33.75
SMA-9	1.23	5.16	0.99	3.67	0.00	11.05
SMA-10	5.50	22.64	5.34	14.30	0.00	47.78
SMA-12 ³	9.49	36.15	9.40	22.72	0.00	77.76
SMA-13 ³	8.59	36.12	8.13	22.18	0.00	75.02
SMA-14	4.46	19.89	4.85	14.13	0.00	43.33
SMA-15 ³	5.64	29.62	7.91	18.07	0.00	61.24
SMA-16	1.52	6.66	2.16	5.05	0.00	15.39
W-11	0.00	0.00	0.00	4.48	6.44	10.92
W-14	0.00	0.00	0.00	0.42	12.50	12.92
W-15	0.00	0.00	0.00	5.55	4.52	10.07
W-16	0.00	0.06	0.00	1.15	15.20	16.41
W-4 ⁴	0.00	0.00	0.00	25.09	23.19	48.28
OFF-1 ⁵	0.00	0.00	0.00	5.16	0.00	5.16
OFF-2 ⁶	0.00	0.00	0.00	7.48	0.00	7.48
CANAL ⁷	0.00	0.00	0.00	0.00	12.19	12.19
<i>MARINA^{3A}</i>	<i>0.19</i>	<i>4.30</i>	<i>1.35</i>	<i>1.07</i>	<i>0.00</i>	<i>6.91</i>
Total	62.24	272.46	93.17	238.20	74.04	740.11 ⁸

¹See “Wet Detention Water Quality Calculations” (Appendix D.2) for land use breakdown per basin

²Includes proposed buildings for residential, civic, and commercial land uses

³Basins include off-site drainage area from anticipated future development of Friar’s Cove Road (9.24 acres)

^{3A} Water quality treatment volume for Marina basin provided in SMA-1 – SMA-3 treatment volume

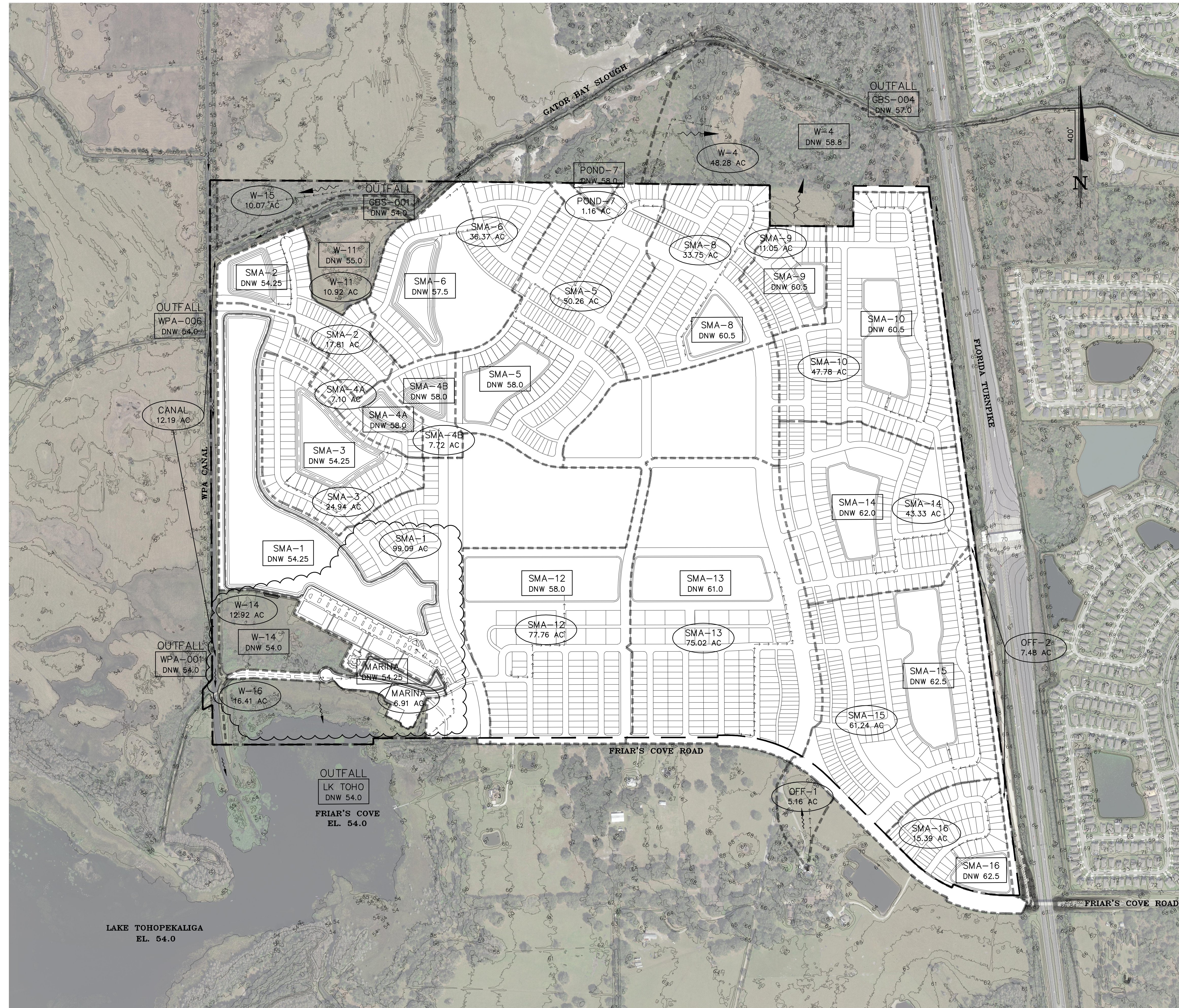
⁴Basin W-4 includes on- and off-site drainage areas; the off-site drainage area is 47.57 acres

⁵Basin OFF-1 includes only off-site drainage area south of Friar’s Cove Road

⁶Basin OFF-2 includes on- and off-site drainage areas; the off-site drainage area is 0.80 acres located within the Turnpike R/W

⁷CANAL encompasses the area of the WPA Canal and Gator Bay Slough within property limits

⁸Total Area less the off-site drainage area is 677.34 acres (740.11 ac – 9.24 ac – 47.57 ac – 5.16 ac – 0.80 ac = 677.34 ac)



LEGEND

Property Boundary

Basins

TC Path

SMA-1
DNW 54.25

SMA-1
99.09 AC

OUTFALL
LK TOHO
DNW 54.0

NODE I.D.
INITIAL STAGE
ELEVATION

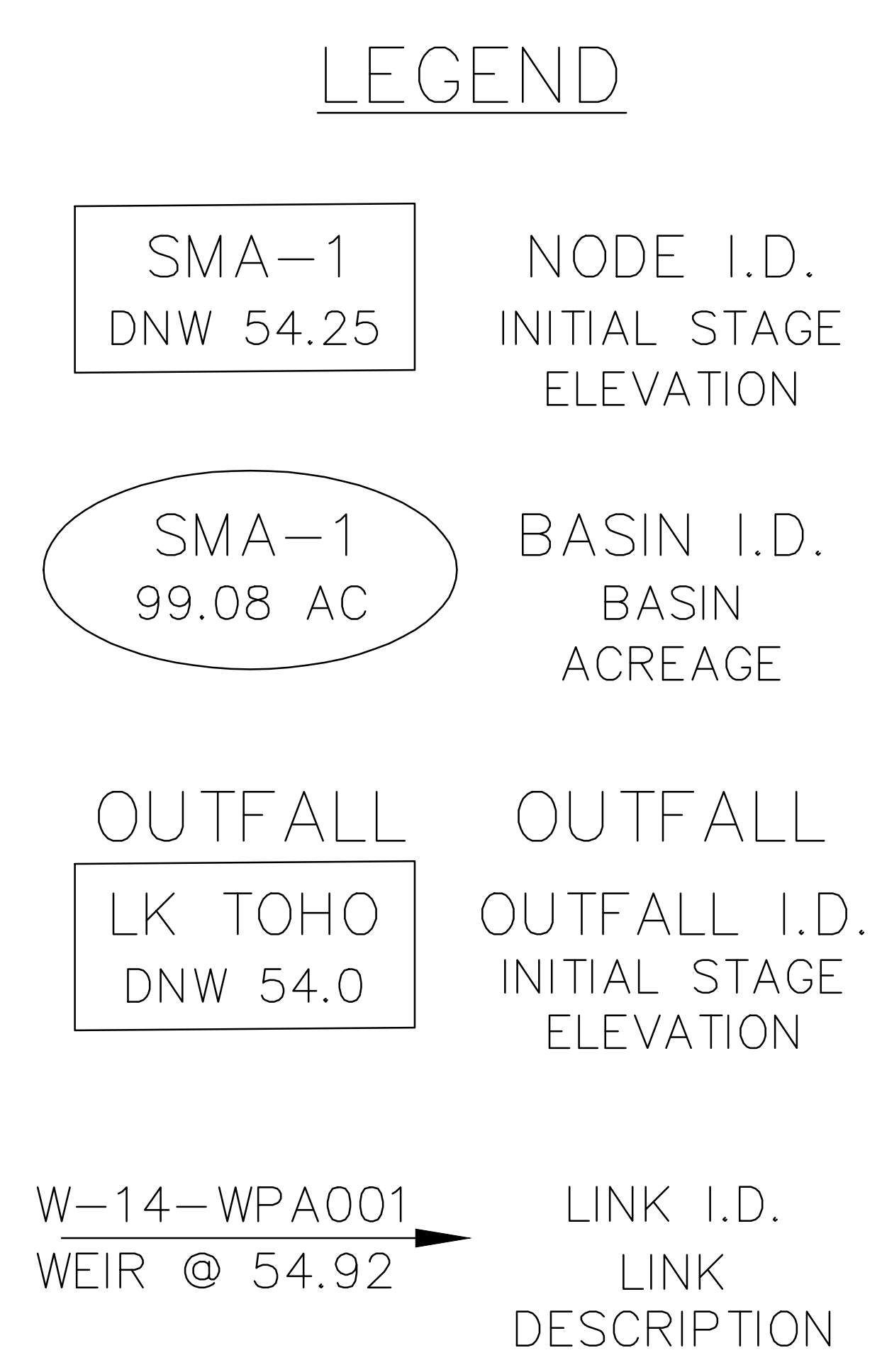
BASIN I.D.
BASIN
ACREAGE

OUTFALL
OUTFALL I.D.
INITIAL STAGE
ELEVATION

GENERAL NOTES:

1. THE SCALE OF THIS DRAWING MAY HAVE CHANGED DUE TO REPRODUCTION.
2. LIDAR TOPO FROM OSCEOLA COUNTY (2016)
3. ELEVATIONS ARE IN NAVD88 DATUM

[illegible]



GENERAL NOTES:

1. ELEVATIONS ARE IN NAVD88 DATUM

[illegible]