

# Exhibit D-2

Whipple Consulting Engineers

Basin Calculation Worksheet

Imp 0.9  
Per 0.15

Intensities from SRSRM eqn. 5-13, per Table 5-7, Assumes Tc = 5 min

I (2 yr) = 1.418 inches      I (10 yr) = 2.619 inches  
I (25 yr) = 3.319 inches      I (50 yr) = 3.843 inches  
I (100 yr) = 4.381 inches

NOTE:

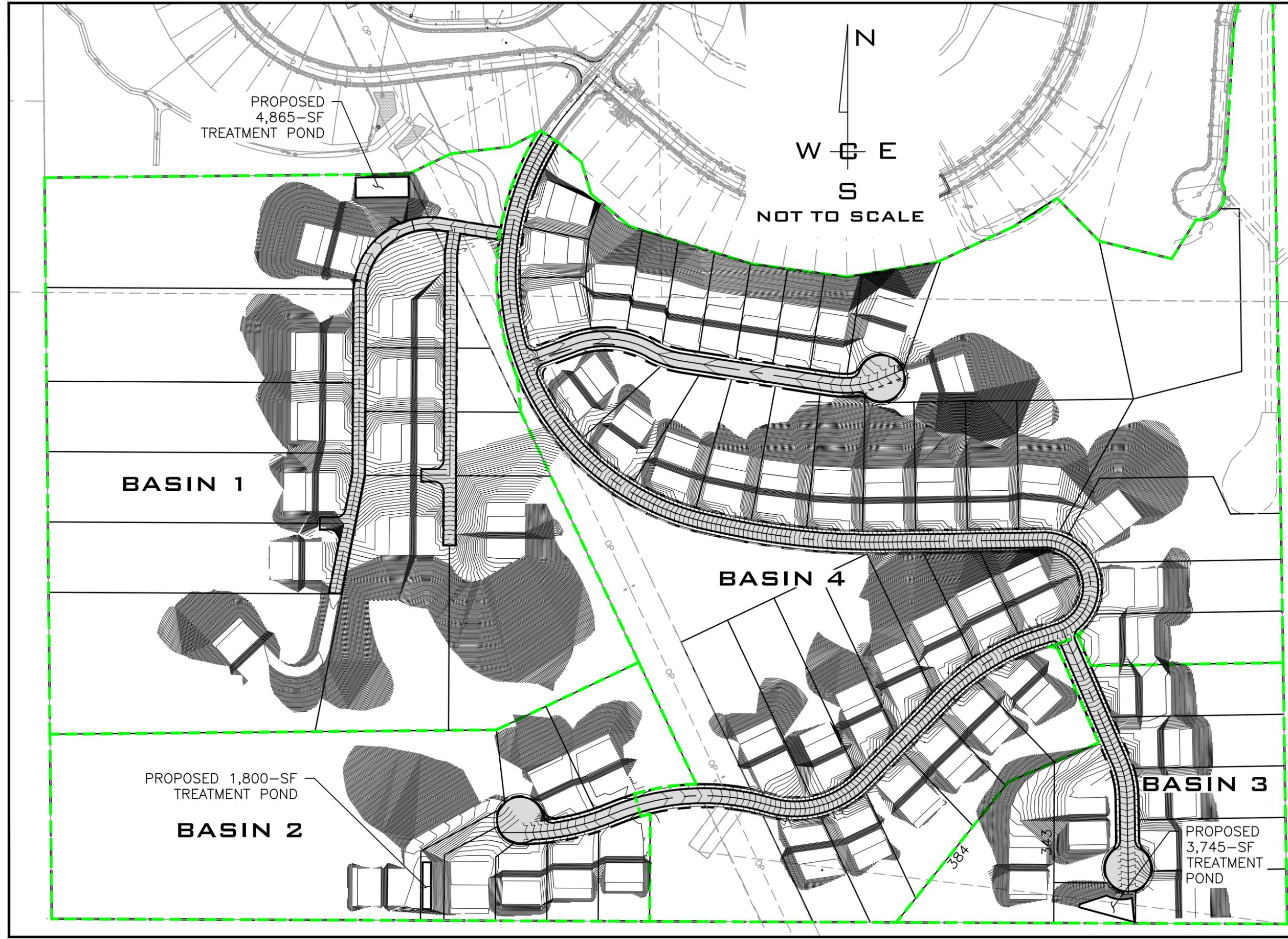
WCE No. Project Name  
11/19/2024 24-3776 Legacy Phase F Mass Grading

RMA

## SPOKANE COUNTY - SRSRM - GRASSED PERCOLATION METHOD

Pre Onsite Flows										1815 A		Q=CIA (cfs)				
Basin	Total	Access/Parking	Driveways	Adj. SW	Buildings	Total	Total	Weighted	PGIS	Pond	Pond	2 yr	10 yr	25 yr	50 yr	100 yr
	sf	/Street (sf)	sf	sf	sf	Impervious	Pervious	"C"	sf	Area (sf)	Vol (cf)					
PRE A	4,056,184	0	0	0	0	0	4,056,184	0.15	0	0	0	19.81	36.58	46.36	53.68	61.19
<b>Pre Total</b>	<b>4,056,184</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,056,184</b>	<b>0.15</b>	<b>0</b>	<b>0</b>	<b>0</b>	19.81	<b>36.58</b>	46.36	<b>53.68</b>	61.19

Post Onsite Flow																
POST 1	1,277,272	50,700	5,500	0	39,600	95,800	1,181,472	0.21	56,200	4,683	2,342	8.58	15.84	20.07	23.24	26.50
POST 2	549,587	14,090	3,500	3,932	25,200	46,722	502,865	0.21	21,522	1,794	897	3.82	7.06	8.95	10.36	11.82
POST 3	331,646	21,380	3,500	6,700	25,200	56,780	274,866	0.28	31,580	2,632	1,316	3.01	5.55	7.04	8.15	9.29
POST 4	1,897,679	117,720	19,000	43,164	136,800	316,684	1,580,995	0.28	179,884	14,990	7,495	17.00	31.39	39.79	46.07	52.52
<b>TOTAL</b>	<b>4,056,184</b>	<b>203,890</b>	<b>31,500</b>	<b>53,796</b>	<b>226,800</b>	<b>515,986</b>	<b>3,540,198</b>	<b>0.25</b>	<b>289,186</b>	<b>24,099</b>	<b>12,049</b>	32.40	<b>59.85</b>	75.84	<b>87.82</b>	#####



PROJ #: 24-3776  
 DATE: 11/19/24  
 DRAWN: RMA  
 APPROVED: TRW

**PROPOSED-DEVELOPMENT BASIN MAP**  
**LEGACY RIDGE PHASE "F"**  
 LIBERTY LAKE, WASHINGTON

SHEET  
**N 2**  
 OF  
**N 2**