



Section	Station	Existing Ground	Proposed Grade	Notes
BASIN G SECTION G1-G1 SCALE: 1"=50' HORIZ 1"=10' VERT.	620	620.00	619.40	TOP OF BERM - 619.40
	610	611.00	610.95	4' W FLAT BOTTOM SWALE, LINE WITH TURF REINFORCEMENT MAT VMAX P-550 OR EQUIVALENT
	600	610.38	610.38	4' W FLAT BOTTOM SWALE, LINE WITH TURF REINFORCEMENT MAT VMAX P-550 OR EQUIVALENT
BASIN G SECTION G2-G2 SCALE: 1"=50' HORIZ 1"=10' VERT.	620	619.35	619.35	100-YEAR BLOCKED H.W. - 618.33 100-YEAR H.W. - 617.34 15-YEAR H.W. - 616.29 2-YEAR H.W. - 613.95
	610	610.50	610.50	4' W FLAT BOTTOM SWALE, LINE WITH TURF REINFORCEMENT MAT VMAX P-550 OR EQUIVALENT
	600	611.50	611.50	PROPOSED GRADE
BASIN G SECTION G3-G3 SCALE: 1"=50' HORIZ 1"=10' VERT.	620	619.40	619.40	TOP OF BERM - 619.40
	610	611.47	611.27	4' W FLAT BOTTOM SWALE, LINE WITH TURF REINFORCEMENT MAT VMAX P-550 OR EQUIVALENT
	600	611.50	611.50	PROPOSED GRADE

ISSUE	REMARKS/DATE
1	2023-09-28, INITIAL SUBMITTAL
2	2024-02-01, CITY COMMENTS
3	2024-04-17, CITY COMMENTS
4	2024-05-20, FOR APPROVAL

**PROJECT TITLE**  
**HARVEST AT HOPEWELL**  
 O'Fallon, Missouri  
**O'FALLON PHASE IB**

**THE STERLING CO.**  
**ENGINEERS & SURVEYORS**  
 5055 New Baumgartner Road  
 St. Louis, Missouri 63129  
 Ph 314-487-0440 Fax 314-487-8944  
 www.sterling-eng-sur.com  
 Corporate Certificate of Authority #001348

Date: 05-20-2024  
 Michael G. Boarding  
 License No. MO E-28643  
 Professional Engineer

**HARVEST HOPEWELL, LLC**  
 5091 New Baumgartner Road  
 St. Louis, Missouri 63129

**DETENTION BASIN G DETAILS**

**P+Z No.** 21-004994  
**City No.** 21-011444  
**Date:** 05-20-2024  
**Job No.** 20-09-327

**Page No.**  
**9.7**  
 IMP

Drawing name: V:\20090227 Highway N Acropolis\Drawings\Engineering\Improvements\9227 IMP Basin Details.dwg Plotted on: May 20, 2024 - 10:24am Plotted by: jandlenhaus