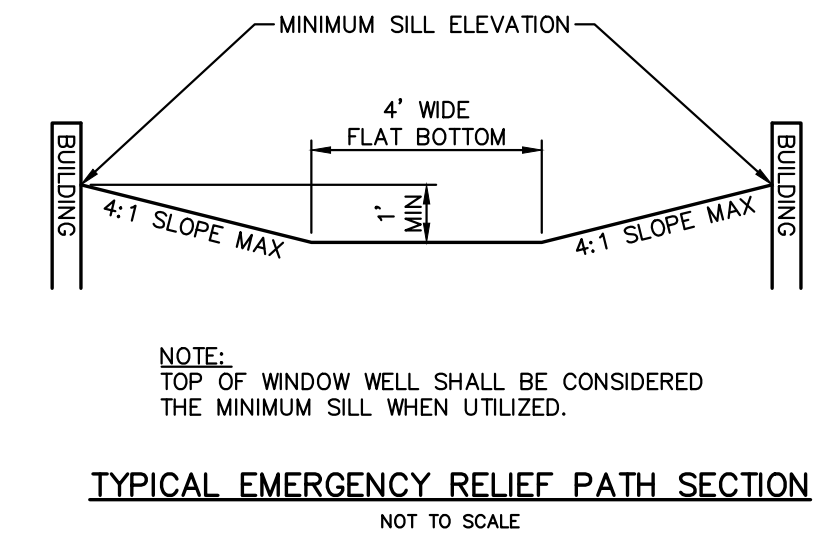
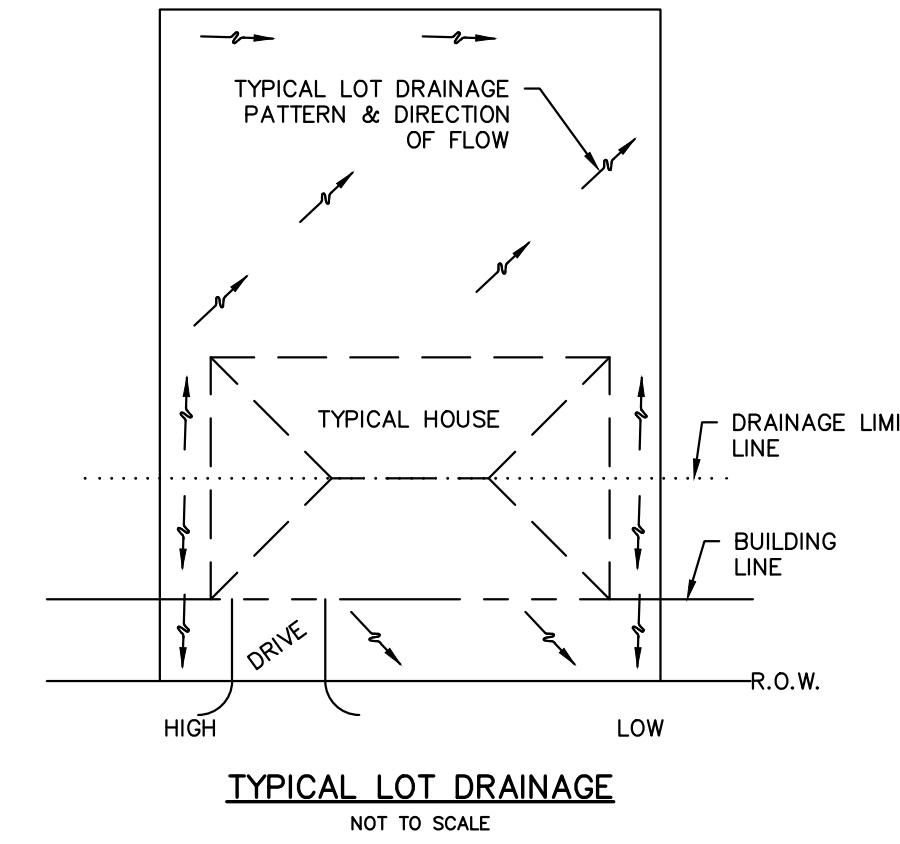
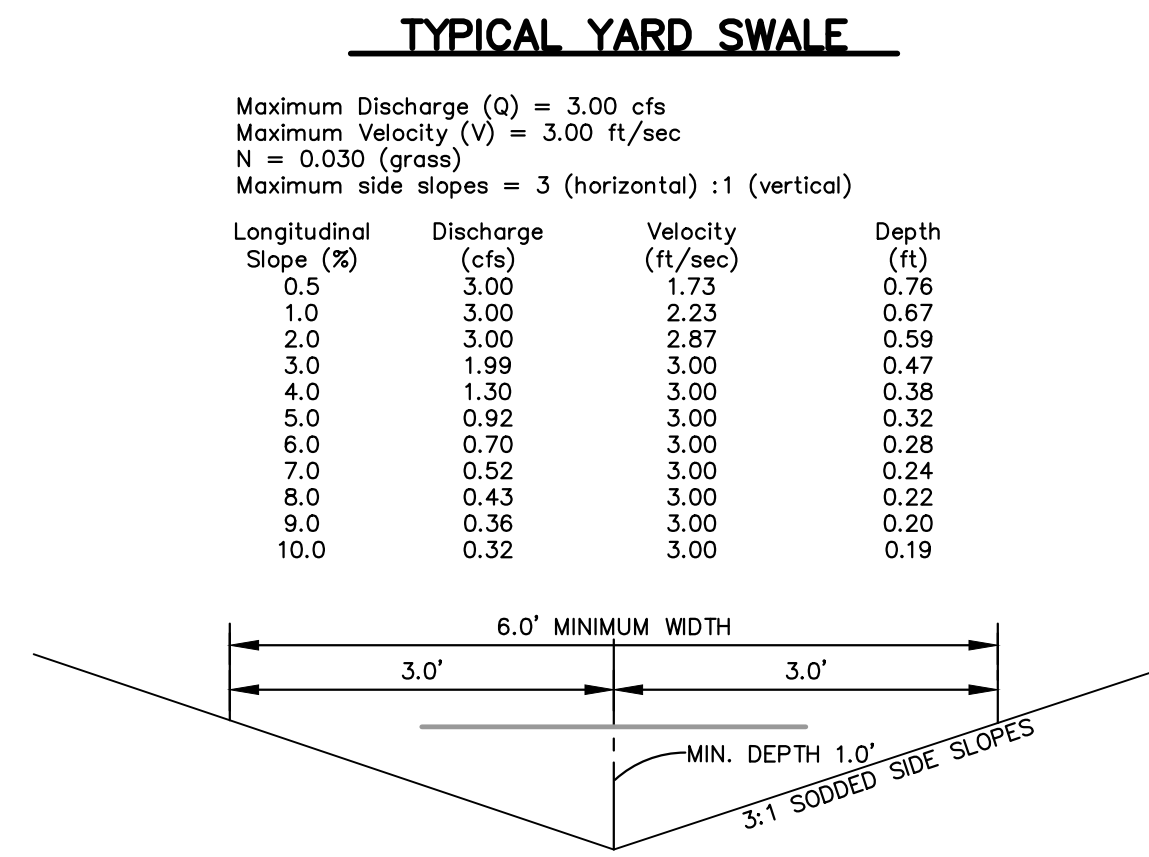


DEVELOPER SHALL PROVIDE TEMPORARY SIGNS AT THE RIGHT-OF-WAY DESIGNATING THE LOCATION OF THE EMERGENCY RELIEF SWALES. THESE SIGNS SHALL BE POSTED PRIOR TO CONSTRUCTION OF THE HOUSES (SIMILAR TO LOT NUMBER SIGNS) AND REMAIN IN PLACE UNTIL THE HOUSE AND EMERGENCY SWALE IS BUILT.

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



HARVEST AT HOPEWELL

CITY PHASE 1B

EMERGENCY RELIEF PATH CALCULATIONS -

E.R.P.	Structure	Swale Type	Bottom Width	Drainage Areas	Total 15 YR Q	ERP FL	15 YR Water Depth	15 YR Water Elev.	Total 100 YR Q	100 YR Water Depth	100 YR Water Elev.	MLS Elevation	Window Wells Required	100YR, 20MIN HGL Stays within System
Lot 338D/339D	CI E9	Street Inlet	4	102	3.29	605.8	0.25	606.00	4.44	0.31	606.06	Min. Gar. 607.0	n/a	YES
Lot 351D	CI F9	Street Inlet	8	98, 99, 100, 134	6.25	601.7	0.27	601.99	8.44	0.32	602.04	Min. Gar. 603.0	n/a	YES
Lot 373E/374E	CI F14	Street Inlet	4	111, 124	3.70	621.4	0.28	621.68	5.00	0.33	621.73	Min. Gar. 622.7	n/a	YES
Lot 377E	CI G8	Street Inlet	8	125, 126, 127, 128, 129	8.36	627.9	0.31	628.21	11.29	0.37	628.27	n/a	n/a	YES
Lot 384E/385E	CI G28	Street Inlet	4	115	3.42	624.5	0.27	624.78	4.62	0.32	624.83	Min. Gar. 625.8	n/a	YES
Lot 384E	AI G17	Rear Yard	4	113, 114, 115, 118, 119, 120, 121, 122	13.59	623.1	0.57	623.67	18.35	0.66	623.76	Lot 384E 624.8	NO	YES
Lot 385E	AI G19	Rear Yard	4	113, 114, 118, 119, 120, 121	9.83	623.9	0.48	624.38	13.27	0.56	624.46	Lot 385E 625.4	YES	YES
Lot 387E	AI G29	Rear Yard	4	114	2.58	625.6	0.23	625.83	3.48	0.27	625.87	Lot 387E 626.9	YES	YES
Lot 394E/Lot 395E	AI G10	Side Yard	4	126, 127	4.17	627.9	0.30	628.20	5.63	0.36	628.36	Lot 394E 629.2 / Lot 395E 629.2	YES	YES
Lot 406F	AI L59	Rear Yard	4	179	3.46	638.6	0.27	628.87	4.67	0.32	628.92	Lot 406F 630.0	n/a	YES
Lot 420F/421F	CI G30	Street Inlet	4	113	3.57	639.2	0.28	639.48	4.82	0.33	639.53	Min. Gar. 640.5	n/a	YES
Lot 422F	AI G25	Rear Yard	4	118	1.83	640.3	0.19	640.44	2.47	0.23	640.48	Lot 422F 641.5	YES	YES
Diehr Road - Sta 11+50	DCI L34	Street Inlet	10	178, 179, 196, 197, 198, 199, 200, 201	14.60	628.6	0.38	628.98	19.71	0.45	629.05	n/a	n/a	YES
Lot 829G/830G	CI L26	Street Inlet	6	205, 206, 207, 211	5.47	619.2	0.29	619.49	7.38	0.34	619.54	Min. Gar. 620.5	n/a	YES
Lot 896G	AI L20.1	Side Yard	4	212.1	1.21	637.9	0.15	638.05	1.63	0.18	638.08	Lot 896G 639.1	YES	YES

PROJECT TITLE
HARVEST AT HOPEWELL
 O'Fallon, Missouri
O'FALLON PHASE 1B

THE **STERLING** CO.
 ENGINEERS & SURVEYORS
 6055 New Baumgartner Road
 St. Louis, Missouri 63129
 Ph 314-487-0440 Fax 314-487-8944
 www.sterling-eng-survey.com
 Corporate Certificate of Authority #001348



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

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

EMERGENCY RELIEF PATH DETAILS

P+Z No. 21-004994
 City No. 21-011444
 Date: 05-20-2024
 Job No. 20-09-327
 Page No.
DTL-12
 IMP

Drawing name: V:\20080927 Highway N Acquisitions\Drawings\Engineering\Improvements\8327 IMP Details.dwg Plotted on: May 20, 2024 - 10:26am Plotted by: jandemhaus
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