



STORMWATER REQUIREMENTS	
LOW OPENING	3' + HWL
LOW FLOOR	1.5' + EOF
	2' + HWL
	2' + HISTORIC GROUND HWL
	4' + OBSERVED GROUND WATER

NO CONSTRUCTION ACCESS ONTO WOOD DUCK TRAIL

CULVERT AT WOOD DUCK TRAIL
 HWL=885.4
 WET VOL=0.100 AC*FT

PIONEER engineering
 CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS LANDSCAPE ARCHITECTS

2422 Enterprise Drive
 Mendota Heights, MN 55120
 (651) 681-1914
 Fax: 681-9488
 www.pioneereng.com

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Name: John M. Molinaro
 Reg. No.: 45831
 Date: 09-22-23

Revisions:
 1. 10-31-2023 City Comments
 2. 01-04-2024 City Trail Revisions
 3. 03-06-2024 Wetland 1 Correction
 4. 04-05-2024 City Comments

Date: 09-22-23
 Designed: JMM
 Drawn: PDS/MBG

5. 05-03-2024 Phase 2 Grading
 6. 06-28-2024 City Comments
 7. 07-03-2024 City Comments

GRADING PLAN

LENNAR
 16305 36TH AVENUE NORTH
 PLYMOUTH, MINNESOTA 55446

ARBOR BLUFF
 SHAKOPEE, MINNESOTA