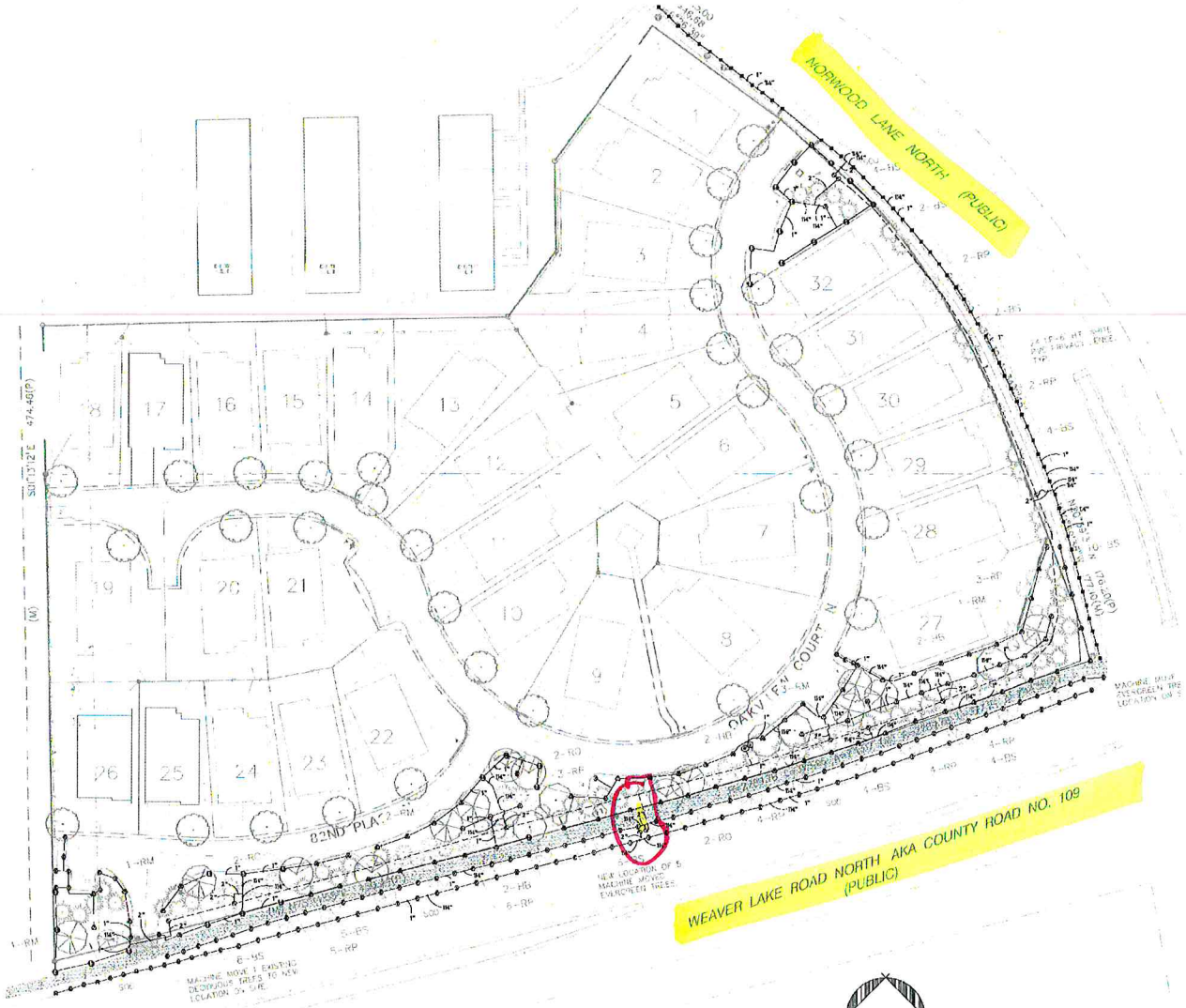

Irrigation Plan

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	PSI
	Hunter PROS-04-AN	30
	Hunter MP1000 PROS-04-PRS40-CV	40
	Hunter MP2000 PROS-04-PRS40-CV	40
	Hunter MP3000 PROS-04-PRS40-CV	35
SYMBOL	**MANUFACTURER/MODEL**	**PSI**
	Hunter PGP-ADJ-B	45
SYMBOL	**MANUFACTURER/MODEL**	
	Hunter PGV-151 Globes 1 1/2"	
	Wilkins 975XL 1-1/2"	
	Irrigation Lateral Line: Polyethylene and PVC Class 160 1"	
	Irrigation Lateral Line: Polyethylene and PVC Class 160 1 1/4"	
	Irrigation Lateral Line: Polyethylene and PVC Class 160 2"	
	Irrigation Mainline: Polyethylene and PVC Class 200 2"	
	Valve Number	
	Valve Size	
	Valve Size	

CRITICAL ANALYSIS

Generated:	2016-10-18 11:05
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	1 1/2"
Flow Available:	75.00 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	75.00 psi
Elevation Change:	5.00 ft
Service Line Size:	2"
Length of Service Line:	20.00 ft
Pressure Available:	72.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	41.64 gpm
Flow Available at POC:	75.00 gpm
Residual Flow Available:	33.36 gpm
Pressure Loss at Critical Station:	49.08 psi
Loss for Fittings:	0.51 psi
Loss for Main Line:	3.14 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	3.40 psi
Loss for Water Meter:	2.73 psi
Critical Station Pressure at POC:	71.46 psi
Pressure Available:	72.00 psi
Residual Pressure Available:	0.54 psi

Exceeding Expectations...

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Project Title/Location:

Irrigation Plan
Mirabel
Maple Grove, MN

Prepared For:
Pulte Homes
7500 Office Ridge Circle, suite 325
Eden Prairie, MN

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Designed By: RWS	Sheet Number: LI.1
Checked By: RWS	1 OF 1
Date: REV 12.15.2016	