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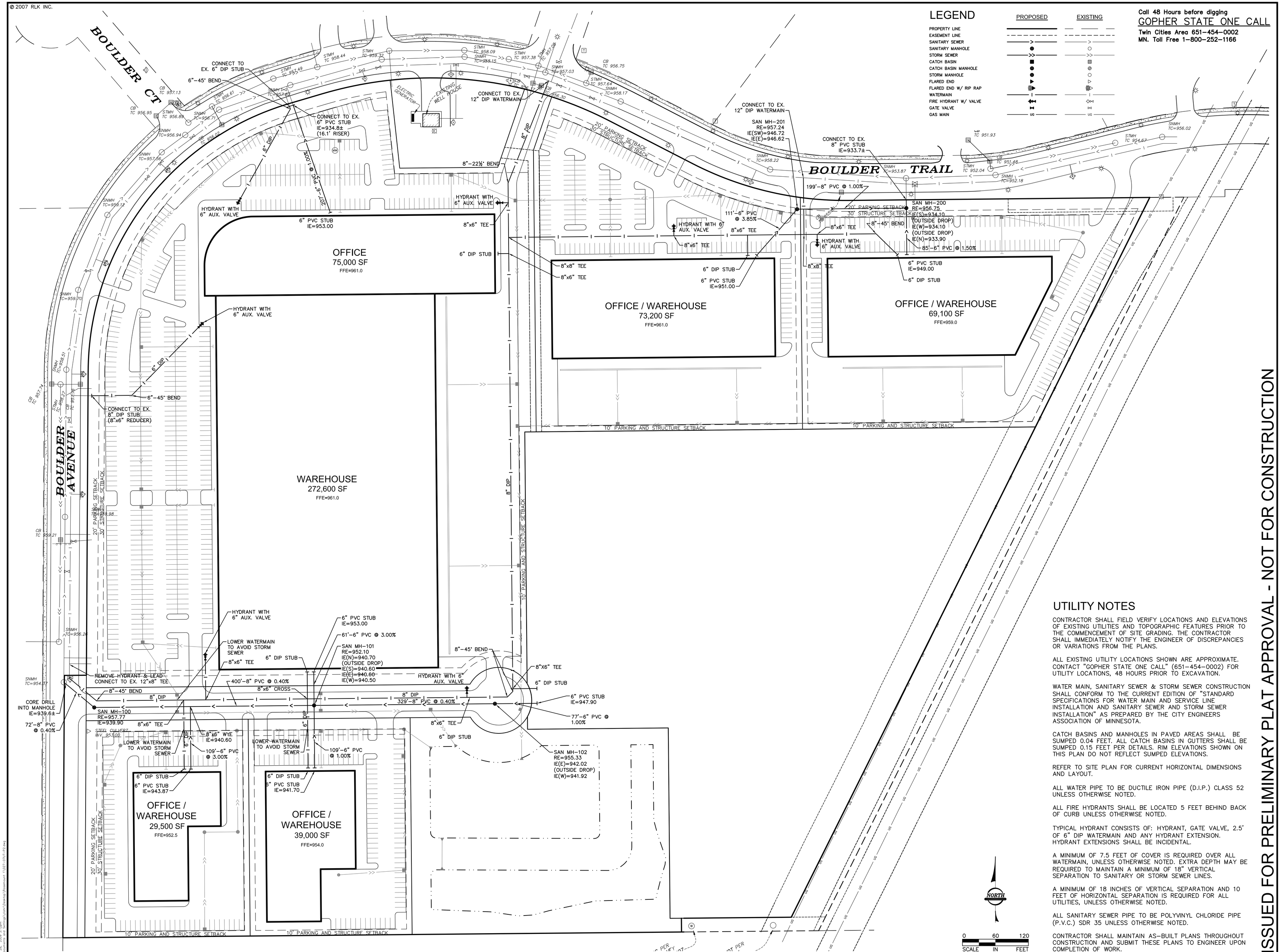

LEGEND

	PROPOSED	EXISTING
PROPERTY LINE		
EASEMENT LINE		
SANITARY SEWER		
SANITARY MANHOLE		
STORM SEWER		
CATCH BASIN		
CATCH BASIN MANHOLE		
STORM MANHOLE		
FLARED END		
FLARED END W/ RIP RAP		
WATERMAIN		
FIRE HYDRANT W/ VALVE		
GATE VALVE		
GAS MAIN		

Call 48 Hours before digging
GOPHER STATE ONE CALL
Twin Cities Area 651-454-0002
MN. Toll Free 1-800-252-1166

UTILITY NOTES

CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE COMMENCEMENT OF SITE GRADING. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES OR VARIATIONS FROM THE PLANS.

ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "GOPHER STATE ONE CALL" (651-454-0002) FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO EXCAVATION.

WATER MAIN, SANITARY SEWER & STORM SEWER CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA.

CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.15 FEET PER DETAILS. RIM ELEVATIONS SHOWN ON THIS PLAN DO NOT REFLECT SUMPED ELEVATIONS.

REFER TO SITE PLAN FOR CURRENT HORIZONTAL DIMENSIONS AND LAYOUT.

ALL WATER PIPE TO BE DUCTILE IRON PIPE (D.I.P.) CLASS 52 UNLESS OTHERWISE NOTED.

ALL FIRE HYDRANTS SHALL BE LOCATED 5 FEET BEHIND BACK OF CURB UNLESS OTHERWISE NOTED.

TYPICAL HYDRANT CONSISTS OF: HYDRANT, GATE VALVE, 2.5' OF 6" DIP WATERMAIN AND ANY HYDRANT EXTENSION. HYDRANT EXTENSIONS SHALL BE INCIDENTAL.

A MINIMUM OF 7.5 FEET OF COVER IS REQUIRED OVER ALL WATERMAIN, UNLESS OTHERWISE NOTED. EXTRA DEPTH MAY BE REQUIRED TO MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION TO SANITARY OR STORM SEWER LINES.

A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FOR ALL UTILITIES, UNLESS OTHERWISE NOTED.

ALL SANITARY SEWER PIPE TO BE POLYVINYL CHLORIDE PIPE (P.V.C.) SDR 35 UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL MAINTAIN AS-BUILT PLANS THROUGHOUT CONSTRUCTION AND SUBMIT THESE PLANS TO ENGINEER UPON COMPLETION OF WORK.

ISSUED FOR PRELIMINARY PLAT APPROVAL - NOT FOR CONSTRUCTION

RLK INCORPORATED
6110 Blue Circle Drive • Suite 100 • Minnetonka, MN 55343
Duluth, MN
Hayward, WI
Hibbing, MN
Minneapolis, MN
Phone: 952-933-1152
Fax: 952-933-1153
www.rlkinc.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.

DATE _____ LIC. NO. _____

SURVEYED	WPS
DESIGNED	LVD
DRAWN	TBR
CHECKED	

REVISIONS

RYAN COMPANIES US, INC.
50 South Tenth Street, Suite 300
Minneapolis, MN 55403-2012
612-492-4000 tel
612-492-3000 fax
WWW.RYANCOMPANIES.COM

BUILDING LASTING RELATIONSHIPS

ROSEMOUNT BUSINESS PARK
THIRD ADDITION
ROSEMOUNT, MINNESOTA
PRELIMINARY
UTILITY PLAN

SHEET # 7/7
PROJECT # 2007027M
DATE 5/29/07

May 28, 2009 3:12pm
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