

NOTE: BORE ALL PAVED STREETS AND DRIVEWAYS
 Minimum depth requirements for crossings of state highways and county roads is 60".
 Minimum depth requirements for crossings of city streets and township roads is 48".
 Minimum depth for parallel installations on state highways and county roads is 36".
 Minimum depth for parallel installations on city streets and township roads is 30".
 All steel pipe welds to be coated with 2 part epoxy.

INSTALL 2" PE CL-6
 @ 3' - 5' BOC (DIRECTIONAL BORE)

C = INSTALL 2" PE CAP TO COVER SERVICE LEAVING 5' STUB E

Install; Clean and Test; and Put in Service; Proposed new main per
 CenterPoint Energy Construction and Service Manual.

Purge new main until essentially 100% gas reading is obtained on
 Combustible Gas Indicator. See CenterPoint Energy Construction
 and Service Manual Section CS-B-1.230 for purging mains into service.

Complete all Service / Meter Work as directed. (See Service Survey)

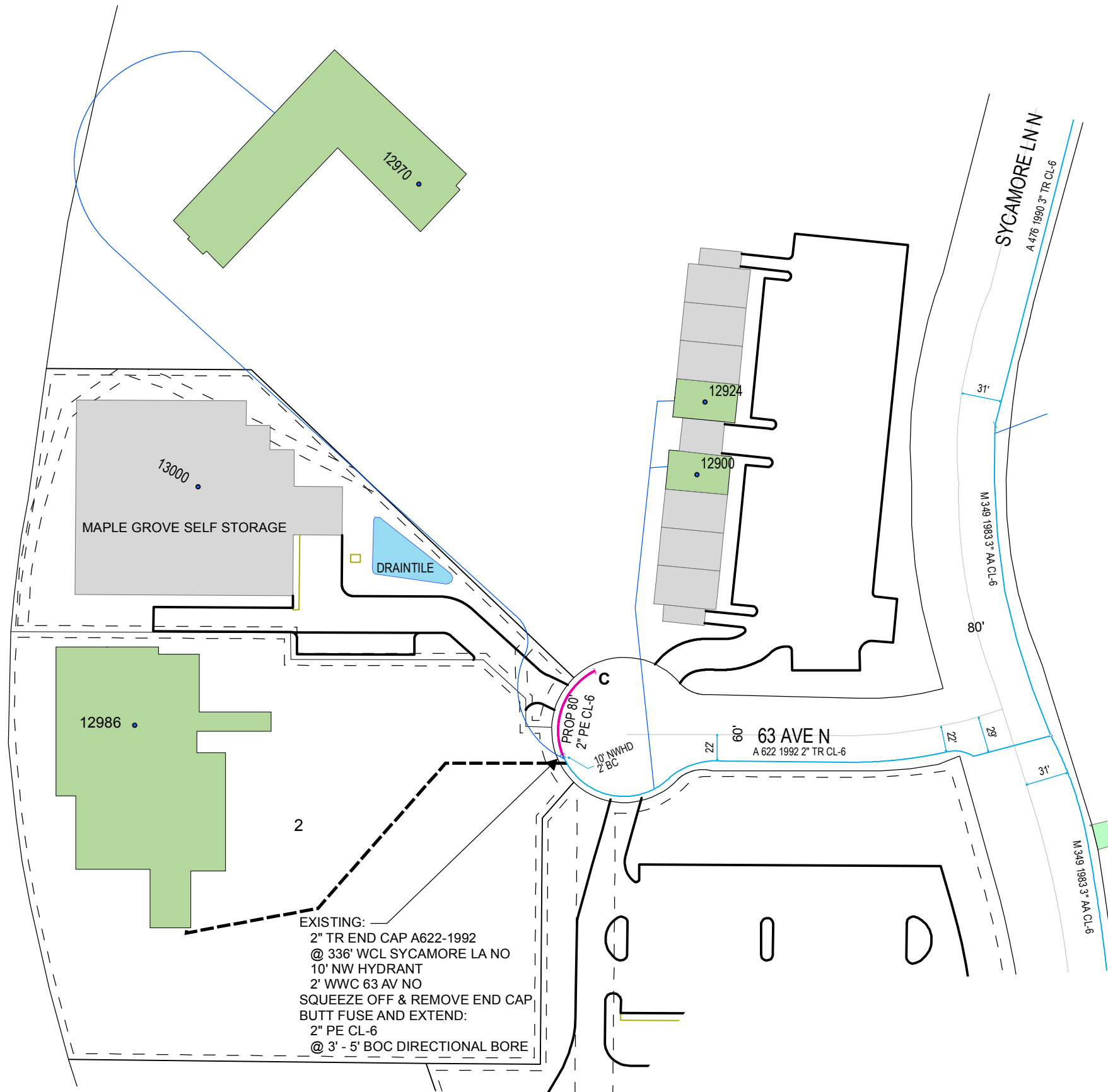
Install a marker ball at a new end of main, at a valve, at each ell of a
 horizontal offset, at road crossings and at any fitting or pressure
 control identified as needing to be located in the future. Refer to
 CenterPoint Energy Construction and Service Manual section
 CS-B-1.310 for installation procedures.

I hereby certify that this plan, specification, or report 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.

Signature: *[Handwritten Signature]*

Typed or Printed Name: Daniel G. Christensen

Date: 09/25/2018 License Number: 46588



EXISTING:
 2" TR END CAP A622-1992
 @ 336' WCL SYCAMORE LA NO
 10' NW HYDRANT
 2' WWC 63 AV NO
 SQUEEZE OFF & REMOVE END CAP
 BUTT FUSE AND EXTEND:
 2" PE CL-6
 @ 3' - 5' BOC DIRECTIONAL BORE

WHEN BUTT FUSING TO EXISTING IN-SERVICE POLYETHYLENE,
 VISUALLY INSPECT FOR THE PRESENCE OF HYDROCARBON PERMEATION
 IMMEDIATELY AFTER REMOVING FUSION IRON. IF ANY BUBBLING IS
 IDENTIFIED ON THE HEATED SURFACE, DO NOT JOIN TO NEW PE PIPE.
 ALLOW TO COOL AND CUT THIS END OFF (12" LENGTH) AND SEND TO THE
 GOLDEN VALLEY LAB WITH STREET LOCATION AND W.O. #. COMPLETE
 TIE- IN/EXTENSION USING AN ELECTROFUSION COUPLING(S).
 DOCUMENT IN FIELD NOTES.



MINNESOTA REGION

PROPRIETARY AND CONFIDENTIAL

PROJECT #: 87468135

M52900 MAPLE GROVE

ONE CALL:
 Hennepin
 *SE34 T119/R22
 * = this Page

- LEGEND:
- ACTIVE MAIN
 - DESIGNED MAIN
 - - - PROPOSED ABANDONED/
OUT OF SERVICE MAIN
 - ABANDONED/
OUT OF SERVICE MAIN

PIPE REQUIRED:
 80' 2" PE CL-6
 80' PIPE

PROPOSED ABANDONED PIPE:

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N
 CORROSION: N
 EMP: N

FOLLOW INTERNAL PIPE
 SAMPLING REQUIREMENTS? N
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 GFIP#: N
 PERMITS: MAPLE GROVE

PROJECT DESCRIPTION: NBCC
 MAPLE GROVE SELF STORAGE

DESIGNER: Wendy Kronwall
 PHONE #: 612-321-5508
 DRAWN BY: Wendy Kronwall
 DESIGN DATE: 9/24/2018

REVISION INFO:

Main SS# SCALE 1" : 100'
 SHEET 1 OF 1

DESIGNER EXPRESS DESIGN

9/25/2018 6:58:44 AM