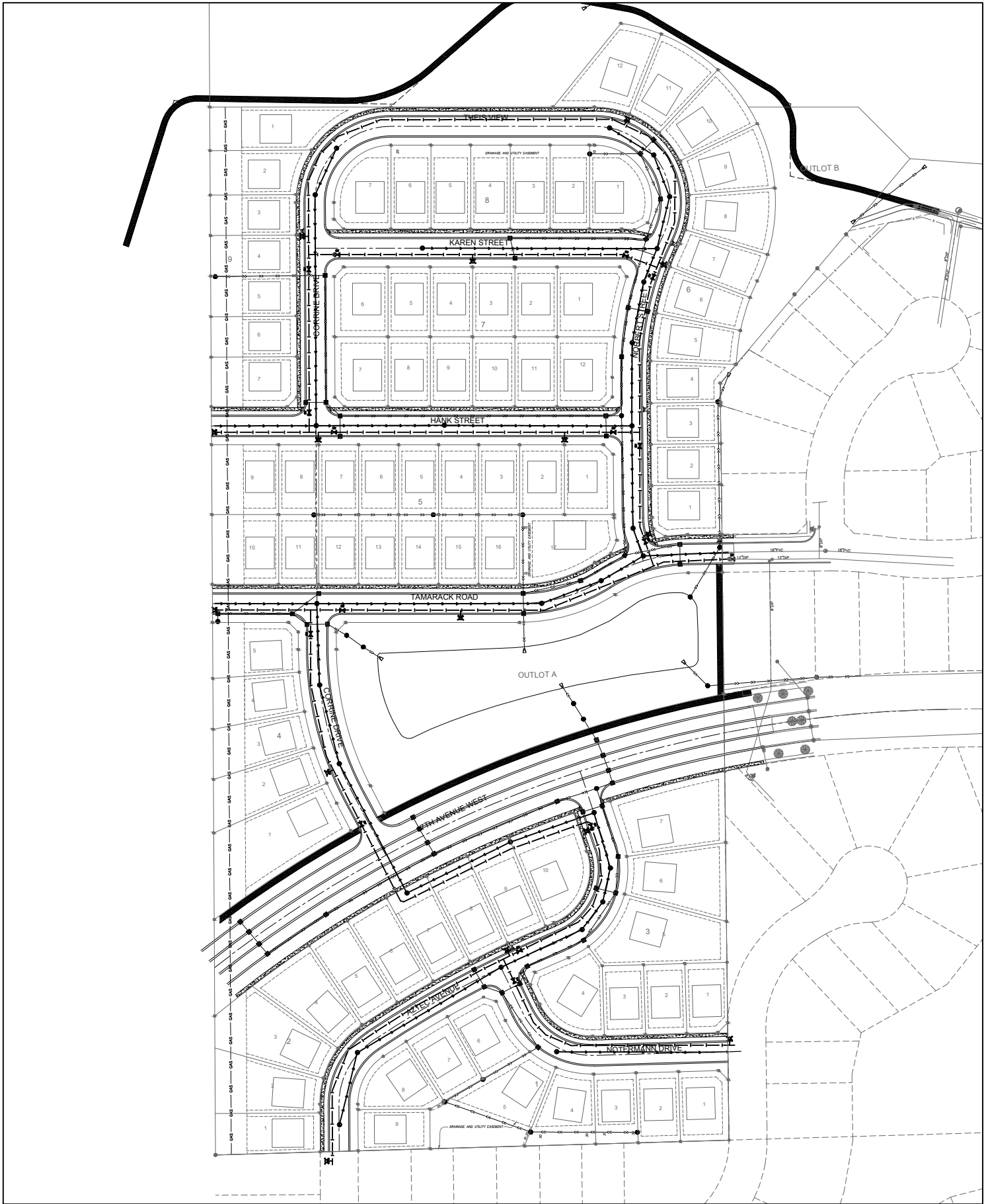
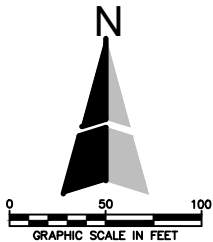




LEGEND

— 880 —	PROPERTY LINE	— OE — OE —	OVERHEAD POWER LINE
— 900 —	EXISTING CONTOURS	— UE — UE —	UNDERGROUND ELECTRIC
---	PROPOSED CONTOURS	—>—>—	CULVERT
- - - -	EASEMENT LINE	⊙	SOIL BORING
---	SETBACKS	⊙	SANITARY SEWER MANHOLE
WET	DELINEATED WETLAND EDGE	⊙	SANITARY CLEANOUT
—>—>—	STORM SEWER	⊙	STORM SEWER MANHOLE
—>—	SANITARY SEWER	⊙	STORM SEWER CATCH BASIN
— I —	WATERMAIN	⊙	WATER GATE VALVE
— x — x —	FENCE	⊙	HYDRANT
~~~~~	EXISTING TREE LINE		

- NOTES:
- DIMENSIONS ARE FROM BACK OF CURB TO BACK OF CURB, UNLESS NOTED OTHERWISE.
  - ALL STORM SEWER SHALL BE RCP CLASS 3 UNLESS OTHERWISE NOTED.
  - INSTALL SOD BETWEEN PROPERTY LINE AND CURB IMMEDIATELY AFTER BACKFILLING.
  - IN STREETS, INSTALL DRAIN TILE 50' EACH WAY AT ALL LOW POINT CATCHBASINS AND 50' UPGRADIENT AT ALL OTHERS.
  - ALL CATCH BASIN CASTINGS IN CURB SHALL BE SUMPED 0.15'. ALL MANHOLE CASTINGS IN PAVED AREAS SHALL BE SUMPED 0.05'. RIM ELEVATIONS SHOWN ON PLAN REPRESENT SUMPED ELEVATIONS.
  - ALL WATERMAIN SHALL BE DIP CL 52 WITH 8 MIL POLYETHYLENE WRAP (IF DEEMED NECESSARY).
  - ALL WATERMAIN SHALL HAVE 7.5' FEET MINIMUM COVER.
  - A VERTICAL OFFSET OF 2.0' (MIN) SHALL BE MAINTAINED BETWEEN STORM STRUCTURE BOTTOMS AND OUTSIDE TOP OF WMN PIPE.
  - ALL PVC SANITARY SEWER SHALL BE THE SDR 35 OR AS NOTED ON THE PLANS.
  - INSTALL 20 LF OF 8" DIP OUT OF MANHOLES AT DROP LOCATIONS.
  - SANITARY SEWER SERVICES SHALL BE 4" SCHEDULE 40 PVC.
  - WATER SERVICES SHALL BE 1" TYPE "K" COPPER.
  - PROVIDE TEMPORARY TRAFFIC CONTROL IN COMPLIANCE WITH MNDOT "TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS - FIELD MANUAL" LATEST REVISION.
  - EXISTING UTILITY LOCATIONS & ELEVATIONS SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.
  - SANITARY SEWER SERVICE SHALL BE EXTENDED 9' BEYOND THE RIGHT OF WAY.
  - CURB STOP FOR ALL SERVICES SHALL BE INSTALLED 9' BEYOND THE RIGHT OF WAY.
  - PIPELINE CONTACT: XCEL ENERGY INC., PETE CLUEVER, 320.656.2407



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I hereby certify that this plan, specification  
or report has been 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.  
Martin P. Campion -Lic. # 19901 Date:

NORCOR FARMS  
RANDY KUBES  
SHAKOPEE, MN

PRELIMINARY UTILITIES - OVERALL

PROJECT NO:

20-036

SHEET NO. 2 OF 23 SHEETS

DATE:

05/20/2021

NO.	DATE	DESCRIPTION