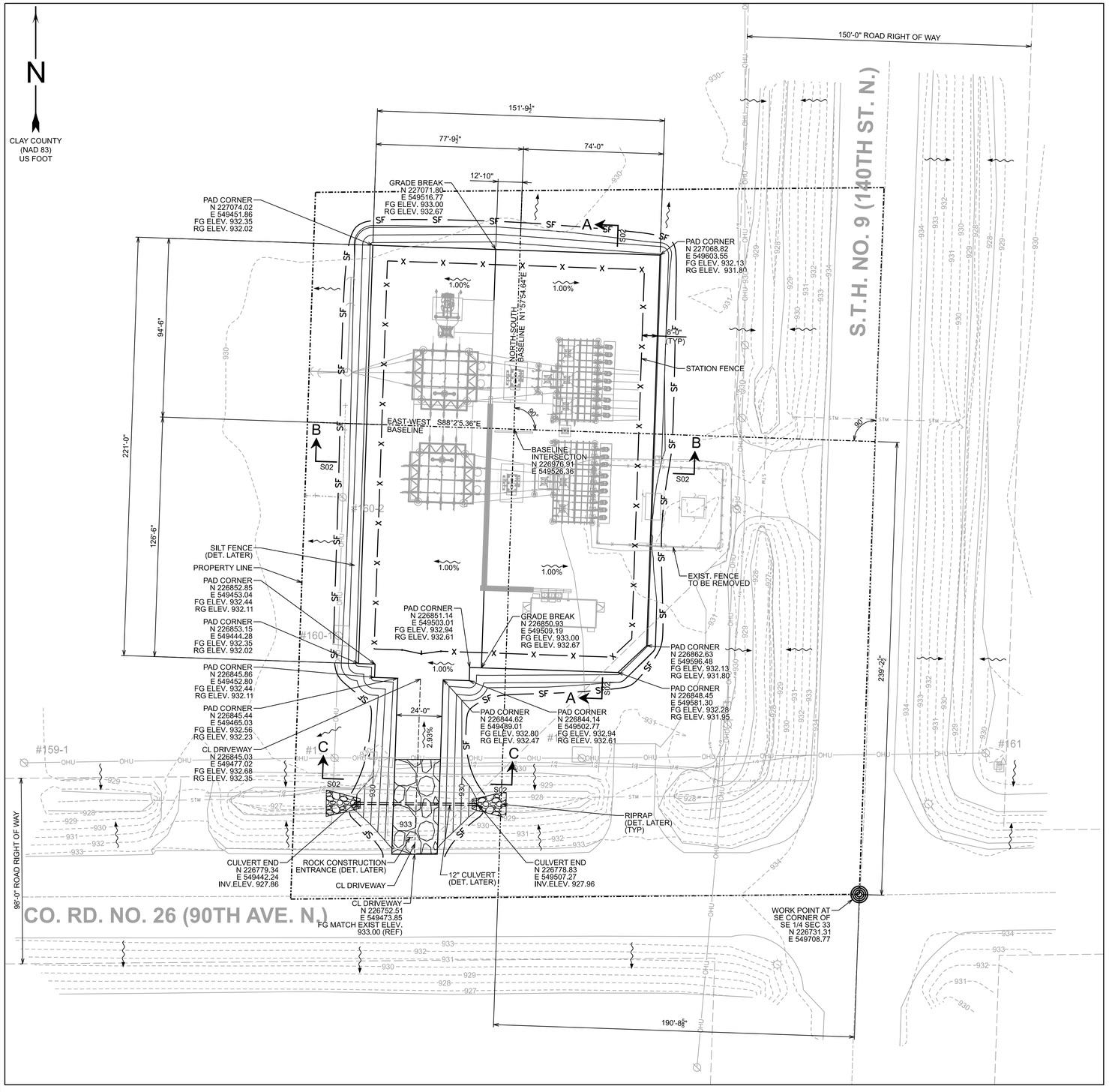

CONTOUR AND GRADING LAYOUT PLAN

SCALE: 1" = 30'-0"

0 30' 60' 90' 120' 150'

SCALE IN FEET
1" = 30'

PRELIMINARY
NOT FOR CONSTRUCTION

HORIZONTAL DATUM

MINNESOTA DOT: CLAY COUNTY, US FOOT

VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- RIGHT OF WAY
- PROPOSED CONTOUR
- PROPOSED STATION FENCE
- LOCAL GRADING FLOW DIRECTION
- EXISTING FENCE
- EXISTING FIBER OPTIC LINE
- EXISTING OVERHEAD UTILITY
- EXISTING STORM SEWER
- EXISTING WATER STREAM
- EXISTING POWER POLE
- EXISTING PHONE STRUCTURE
- WORK POINT
- ROCK CONSTRUCTION ENTRANCE (RCE)
- RIPRAP (RR)
- SILT FENCE

GENERAL NOTES:

1. ALL CONTOURS ARE 1 FT.
2. EXISTING TOPOGRAPHIC SURVEY WAS PERFORMED BY XCEL ENERGY ON 04/27/2023.
3. FOR GEOTECHNICAL INFORMATION REFER TO THE GEOTECHNICAL REPORT PERFORMED BY AMERICAN ENGINEERING TESTING, DATED 02/28/2023, REPORT NO. NX-296603.
4. LOCATION OF BENCHMARKS FOR GRADE ELEVATION IS TO BE SET PRIOR TO CONSTRUCTION.
5. EROSION CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH XCEL ENERGY SPEC. 221 "SPECIFICATION FOR EROSION CONTROL PLAN", REV. 0, DATED 8/18/95.
6. DO NOT REMOVE SILT FENCE UNTIL THE DISTRICT HAS DETERMINED THAT THE SITE HAS BEEN PERMANENTLY RESTABILIZED, REMOVE WITHIN 30 DAYS THEREAFTER.

EARTHWORK NOTES:

1. ALL EXISTING TOPSOIL, FILL, AND ANY ORGANIC OR DISTURBED MATERIALS SHALL BE REMOVED PRIOR TO PLACEMENT OF FILL.
2. DEWATERING SHALL BE PERFORMED PRIOR TO EXCAVATION TO DRAW DOWN GROUNDWATER LEVEL.
3. SELECT FILL MATERIAL SHALL HAVE NO GRAVEL LARGER THAN 1-INCH DIAMETER, NO MORE THAN 40% BY WEIGHT PASSING THE #40 SIEVE, AND NO MORE THAN 8% BY WEIGHT PASSING THE #200 SIEVE.
4. SELECT FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY PER THE STANDARD PROCTOR TEST, AND WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT.
5. SELECT FILL MATERIAL SHALL HAVE A LIQUID LIMIT LESS THAN 35.

PRE-EXCAVATION PROCEDURE:

1. CAUTION: THERE MAY BE UNDERGROUND UTILITIES/OBSTRUCTIONS IN THIS AREA. THE UNDERGROUND UTILITIES SHOWN ON THE PROVIDED ELECTRICAL REFERENCE DRAWINGS SHALL NOT BE ASSUMED COMPLETE OR ACCURATE. CONSTRUCTION SHALL LOCATE AND CLEARLY MARK THE LOCATION PRIOR TO ANY EXCAVATION ACTIVITY. 811 SHALL BE CALLED FOR EVERY EXCAVATION PROJECT AT LEAST THREE (3) BUSINESS DAYS PRIOR TO EXCAVATION WORK.
2. FOR UNDERGROUND UTILITY LOCATES INSIDE THE SUBSTATION FENCE, REQUEST LOCATES FROM CONSTRUCTION SUPERVISOR /SUPERINTENDANT AT LEAST TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION WORK.
3. REFER TO CONSTRUCTION SPECIFICATION XEL-PRO-SUBSTATION PRE-EXCAVATION PROCEDURE FOR ADDITIONAL LOCATE INFORMATION.
4. DRAWINGS SHALL NOT BE RELIED ON AS THE SOLE SOURCE OF INFORMATION REGARDING UNDERGROUND UTILITIES.

REV	DATE	WBS 4	REVISION DESCRIPTION

REV	DATE	WBS 4	REVISION DESCRIPTION

REV	DATE	WBS 4	REVISION DESCRIPTION
0A	02/24/2023	A.0010125.044.001.002	AVERILL - SUBSTATION REBUILD

ISSUED BY ENGINEERING DEPT FOR: CONSTRUCTION

THIS MAP/DOCUMENT IS A TOOL TO ASSIST EMPLOYEES IN THE PERFORMANCE OF THEIR JOBS.YOUR PERSONAL SAFETY IS PROVIDED FOR BY USING SAFETY PRACTICES, PROCEDURES AND EQUIPMENT AS DESCRIBED IN THE SAFETY TRAINING PROGRAMS, MANUALS AND SPARS.

INTERNAL INFORMATION: DO NOT COPY OR DISTRIBUTE WITHOUT EXPRESS WRITTEN CONSENT FROM XCEL ENERGY

AVERILL SUBSTATION

AVR

CONTOUR AND GRADING LAYOUT PLAN

Xcel Energy® | NH-29667-1 | SCALE 1"=30'-0" | REV 0

NF-296607-1.DGN

5/25/2023 4:44:32 PM