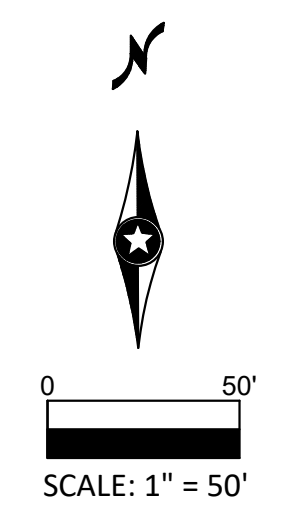


SERVICE NOTES:
WYE: ROAD STATIONING
CB: CURB BOX FINISHED GRADE ELEVATION

LEGEND:

	PROPOSED RIP RAP
	PROPOSED CONTOUR
	PROPOSED STORM SEWER
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER
	PROPOSED WATER SERVICE
	PROPOSED SANITARY SERVICE
	PROPOSED CATCH BASIN
	PROPOSED FLARED END SECTION
	PROPOSED STORM MANHOLE
	PROPOSED GATE VALVE & BOX
	PROPOSED HYDRANT
	PROPOSED SANITARY MANHOLE
	AS-BUILT CONTOUR



UTILITY GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY RELOCATIONS.
2. CONTRACTOR SHALL LOCATE AND VERIFY ALL UTILITIES WHICH MAY AFFECT THIS WORK AND NOTIFY OWNER OF ANY CHANGES. CONTACT LOCAL UTILITY COMPANIES FOR EXACT LOCATIONS PRIOR TO BIDDING THE PROJECT AND COMMENCING WORK.
3. CONTRACTOR SHALL VERIFY CRITICAL ELEVATIONS TO ENSURE CONFORMANCE WITH GRADING PLAN AND EXISTING UTILITIES, PARTICULARLY WITH EXISTING STRUCTURES AND/OR PAVEMENTS TO REMAIN.
4. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AS EXISTING IN THE FIELD AND AS REPRESENTED WITHIN THE PLANS AS SHOWN AND ALERT THE ENGINEER BEFORE BIDDING THE PROJECT AND BEGINNING CONSTRUCTION.
5. WATER LINE TO MINIMUM 8.0 FEET DEPTH.
6. VERIFY INVERT ELEVATIONS OF EXISTING SANITARY LINE AT POINT OF CONNECTION WITH NEW SANITARY LINE PRIOR TO INSTALLING ANY NEW UTILITIES.
7. ALL CROSSING ELEVATIONS OF NEW UTILITIES & SIZES OF THE EXISTING UTILITIES ARE BASED ON ASSUMED ELEVATIONS AND SIZES PROVIDED BY THE SURVEY.
8. IF DEWATERING IS REQUIRED FOR THIS PROJECT, THE PUMP DISCHARGE SHALL BE TREATED PRIOR TO BEING DISCHARGED OFF-SITE OR INTO A SURFACE WATER. THE DISCHARGE SHALL BE VISUALLY CHECKED TO ENSURE THAT IT IS VISIBLY CLEAN WATER.
9. ALL UTILITIES SHALL MEET CITY OF ELK RIVER DESIGN STANDARDS (LAST REVISION AUGUST 2017) UNLESS PLAN INDICATES OTHERWISE.
10. ALL HDPE STORM SEWER SHALL BE DUAL WALL. ALL RCP STORM SEWER SHALL BE CLASS 3 PIPE.
11. CONNECTION LOCATIONS AND ELEVATION OFF OF TYLER ST NW, TWIN LAKES PARKWAY NW, AND TWIN LAKES ROAD NW PER RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY PIPE LOCATION AND INVERT ELEVATIONS PRIOR TO PROCEEDING WITH UTILITY INSTALLATION. CONTRACTOR SHALL NOTIFY BOGART PEDERSON ENGINEER IF LOCATION AND/OR INVERTS ARE DIFFERENT THAN PLAN INDICATES.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TWO CONSECUTIVE PASSING BACTERIOLOGICAL TESTS FROM THE PROPOSED WATER SERVICE.
13. THE APPLICANT SHALL BE RESPONSIBLE FOR REPLACING ANY ASPHALT PAVEMENT WHICH IS DAMAGED OR REMOVED AS A RESULT OF THE PROPOSED WATER SERVICE INSTALLATION.
14. CONSTRUCTION OF PROJECT SHALL MEET CITY OF ELK RIVER DESIGN STANDARDS (LAST REVISION AUGUST 2017) UNLESS PLANS INDICATES OTHERWISE.

RECORD DRAWING

SANITARY SEWER SHALL BE INSTALLED WITH BORE OR OPEN CUT METHOD UNDER CSAH 13. OPEN CUT SHALL ONLY BE PERFORMED ONCE SHERBURNE COUNTY STARTS CSAH 13 PROJECT. CSAH 13 PROJECT IS EXPECTED TO START IN MID JULY OR LATER.

COUNTY CSAH 13 PROJECT CONTRACTOR AND TRANQUIL MEADOWS PROJECT CONTRACTOR SHALL COORDINATE SEWER CONNECTION AND PROVIDE NOTICE WHEN SANITARY SEWER WORK WILL OCCUR. ALL WORK COMPLETED IN CSAH 13 RIGHT-OF-WAY SHALL COUNTY AND CITY STANDARDS.

ANY ADDITIONAL COSTS FOR REMOVALS SHALL BE INCLUDED IN BID. ALL ADDITIONAL FIELD CHANGES SHALL BE PROVIDED TO DEVELOPER PRIOR TO START OF WORK.

RECORD DRAWING
 MEASURED BY: MW/CK @ BPA (04-18-22)
 DRAWN BY MW @ BPA

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. Signed: Christopher J. Dahn Lic. No. 58628 Date: 04/18/2022	DATE: 02/22/2021 DESIGN BY: MJM DRAWN BY: MJM CHECKED BY: CJD DWG FILE: GRADING FILE NO.: 21-10406.00	DESCRIPTION DRAWINGS ISSUED TO CITY DRAWINGS REVISED PER CITY REVIEW MPCA REVIEW FINAL CONSTRUCTION PLANS DRAWINGS REVISED PER 2ND CITY REVIEW ADDENDUM 1 RECORD AS-BUILT DRAWINGS	
	REV NO. 1 DATE 02/22/2021 DESCRIPTION MPCA REVIEW	REV NO. 2 DATE 03/30/2021 DESCRIPTION MPCA REVIEW	REV NO. 3 DATE 04/21/2021 DESCRIPTION FINAL CONSTRUCTION PLANS
	REV NO. 4 DATE 05/14/2021 DESCRIPTION DRAWINGS REVISED PER 2ND CITY REVIEW	REV NO. 5 DATE 06/30/2021 DESCRIPTION ADDENDUM 1	REV NO. 6 DATE 04/18/2022 DESCRIPTION RECORD AS-BUILT DRAWINGS
	TRANQUIL MEADOWS RESIDENTIAL DEVELOPMENT PROVIDENCE S&S, LLC City of Elk River, Sherburne County, MN UTILITY PLAN		
	BOGART, PEDERSON & ASSOCIATES, INC. LAND SURVEYING ENVIRONMENTAL SERVICES 13076 FIRST STREET, BECKER, MN 55508-9322 TEL: 763-262-8822 FAX: 763-262-8844		
	SHEET NO. C4		