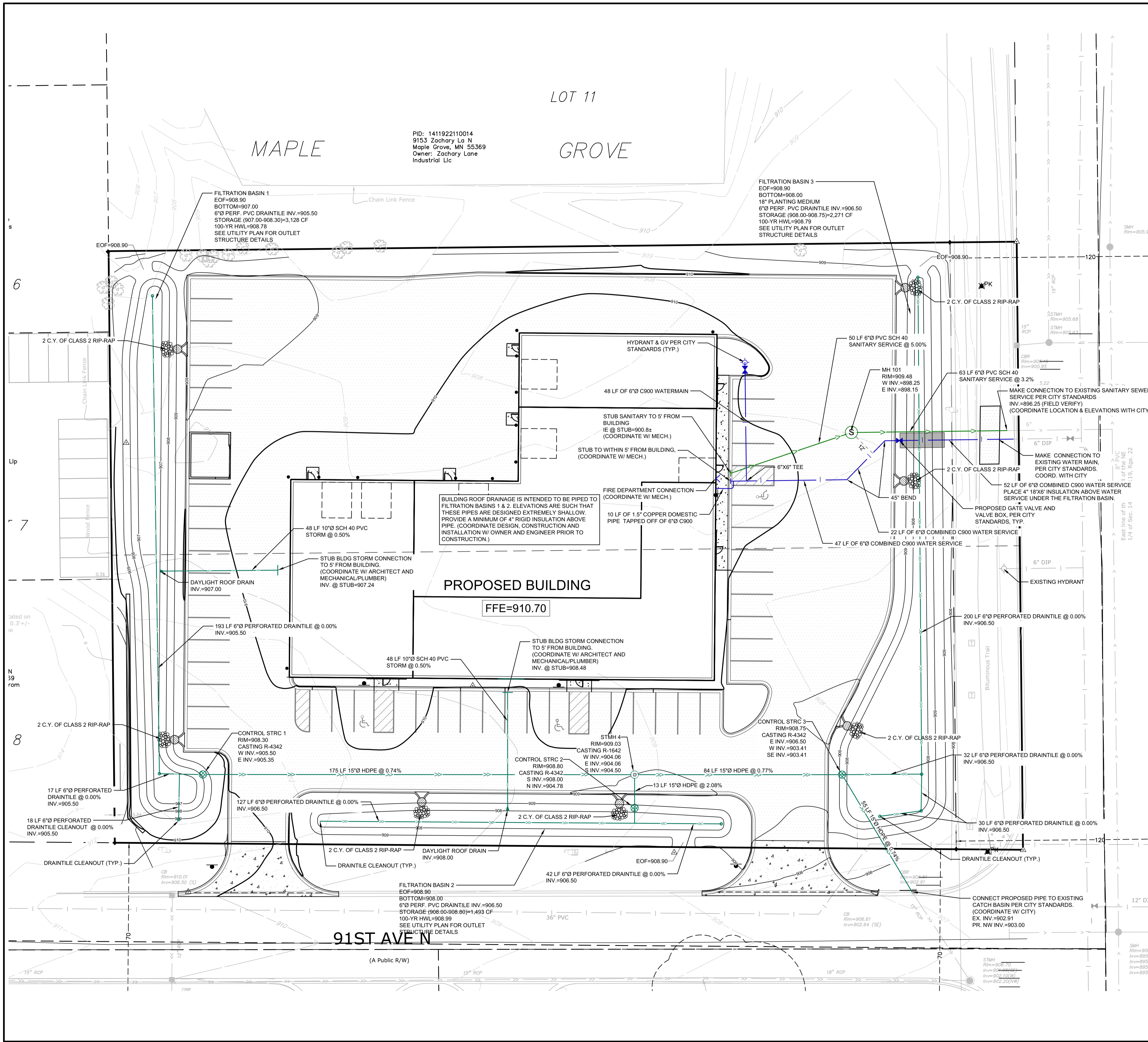
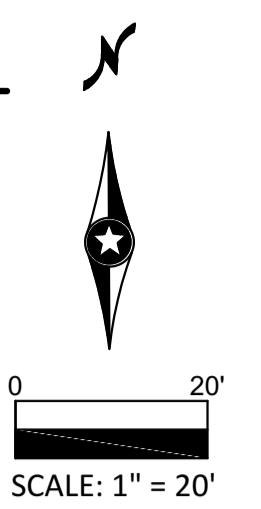


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**LEGEND:**

- PROPOSED STORM SEWER
- PROPOSED WATER LINE
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED GATE VALVE & BOX
- PROPOSED HYDRANT
- PROPOSED CLEANOUT
- PROPOSED RIP RAP



**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. WATER MAIN SLIP JOINTS WITHIN 60' OF BUILDING SHALL BE TIED.
7. VERIFY INVERT ELEVATIONS OF EXISTING SANITARY LINE AT POINT OF CONNECTION WITH NEW SANITARY LINE PRIOR TO INSTALLING ANY NEW UTILITIES.
8. ALL CROSSING ELEVATIONS OF NEW UTILITIES & SIZES OF THE EXISTING UTILITIES ARE BASED ON ASSUMED ELEVATIONS AND SIZES PROVIDED BY THE SURVEY.
9. ALL WATER PIPES SHALL C900 PVC PIPE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TWO CONSECUTIVE PASSING BACTERIOLOGICAL TESTS FROM THE PROPOSED WATER SERVICE.
11. THE APPLICANT SHALL BE RESPONSIBLE FOR REPLACING ANY CONCRETE PAVEMENT WHICH IS DAMAGED OR REMOVED AS A RESULT OF THE PROPOSED WATER, SANITARY, STORM SEWER SERVICE INSTALLATION.
12. ALL SANITARY SEWER SHALL BE SCHEDULE 40 POLYVINYL CHLORIDE (PVC) UNLESS OTHERWISE NOTED.
13. ALL STORM SEWER PIPE SHALL BE HDPE ASTM F714 & F2306 WITH ASTM D3212 SPEC FITTINGS UNLESS OTHERWISE NOTED.
14. 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. NO DEWATERING IS EXPECTED FOR THIS SITE DUE TO SANDY SOIL CONDITIONS.
15. ALL EXISTING CASTINGS FOR SANITARY SEWER AND STORM STRUCTURES WITHIN PROPOSED WORK AREAS THAT ARE WITHIN THE CITY RIGHT OF WAY WILL BE REPLACED WITH TYPE A OR TYPE E CASTINGS AS SHOWN ON APPLICABLE CITY STD. PLATE STRT-14. ALL ADJUSTING RINGS WILL BE REPLACED WITH HDPE ADJUSTING RINGS.
16. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLAN FOR PAVEMENT REMOVAL, UTILITY INSTALLATION, AND REPLACEMENT AS NEEDED.
17. CONTRACTOR SHALL CONFIRM FINAL ROOF DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.

REV NO.	DATE	DESCRIPTION
1	04/13/2022	DRAWINGS ISSUED TO CITY
1	04/13/2022	REVISED PER CITY ENGINEERING GRADING REV.

DATE:	04/13/2022
DESIGN BY:	MVV, MJM
DRAWN BY:	MVV, MJM
CHECKED BY:	CJD
DWG FILE:	UTILITY
FILE NO.:	22-0032.00

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. Dahm Lic. No. 58828  
Date: 04/13/2022

**BOGART, PEDERSON & ASSOCIATES, INC.**  
LAND SURVEYING  
ENVIRONMENTAL SERVICES  
13076 FIRST STREET, BECKER, MN 55508-9322  
TEL: 763-262-8822 FAX: 763-262-8844

**Hunerberg 2**  
**Office Warehouse**  
City of Maple Grove,  
Hennepin County, MN

**UTILITY PLAN**

SHEET NO.  
**C3**

