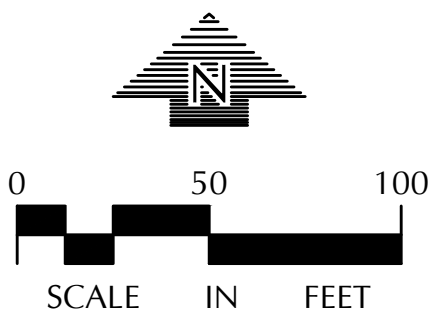
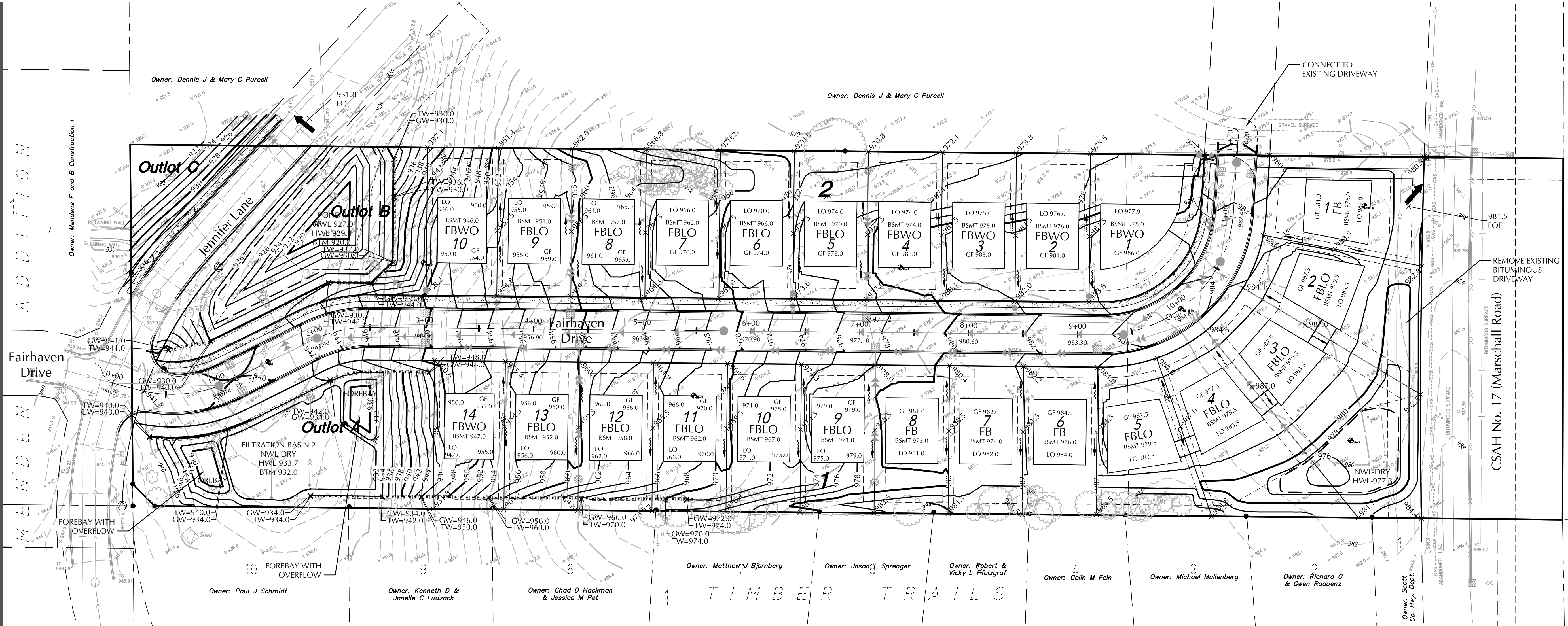


Plotted: 04/11/2018 9:42 AM W:\2016\16265B\CADD DATA\CIVIL\dwg Sheet Files\CS3-1 GRADING PLAN



**CALL BEFORE YOU DIG!**  
**Gopher State One Call**  
TWIN CITY AREA: 651-454-0002  
TOLL FREE: 1-800-252-1166

#### WARNING:

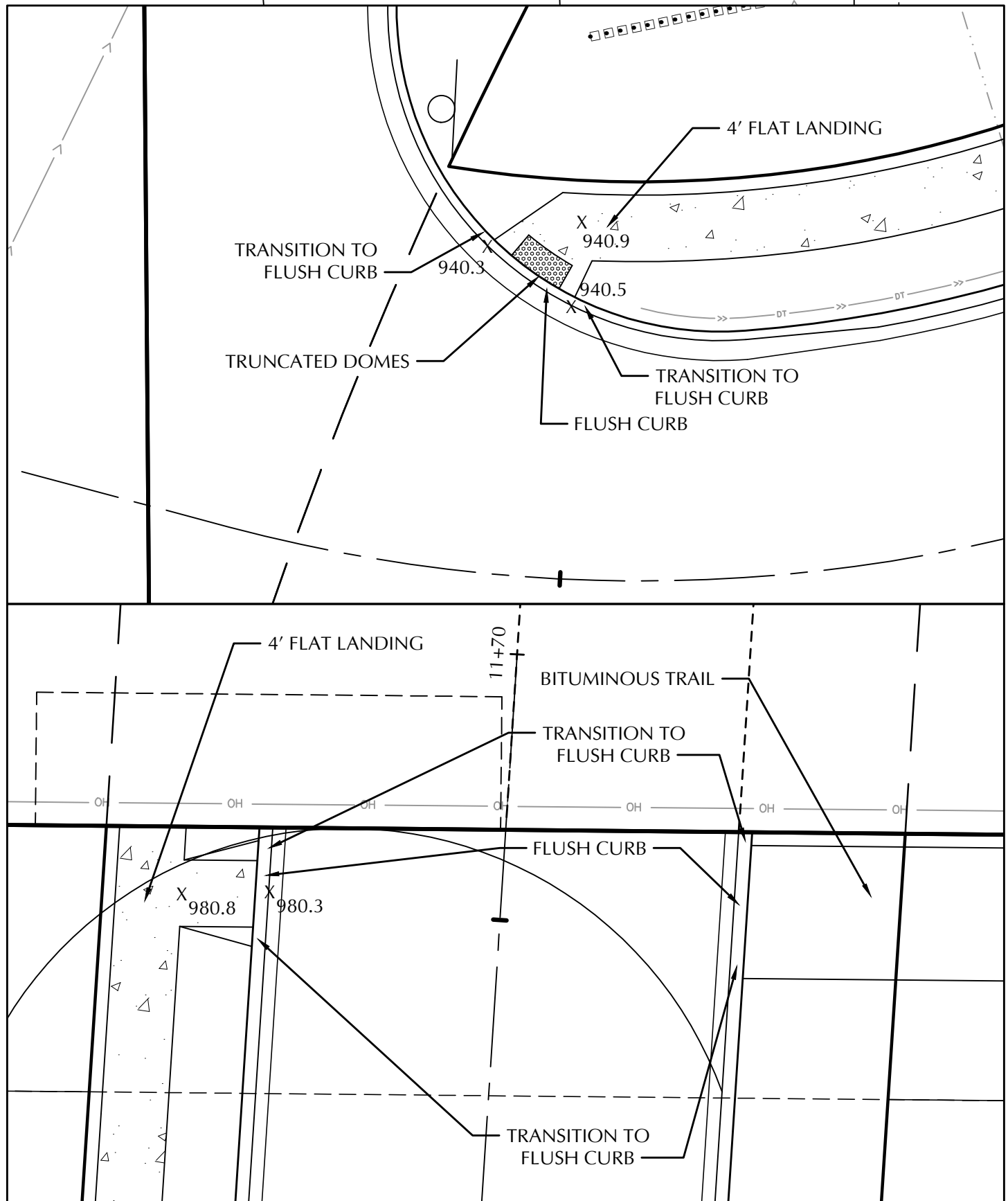
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

| EXISTING | CIVIL LEGEND         | PROPOSED |
|----------|----------------------|----------|
|          | SANITARY MANHOLE     |          |
|          | STORM MANHOLE        |          |
|          | CATCH BASIN          |          |
|          | CULVERT              |          |
|          | HYDRANT              |          |
|          | GATE VALVE           |          |
|          | POST INDICATOR VALVE |          |
|          | LIGHT POLE           |          |
|          | POWER POLE           |          |
|          | SIGN                 |          |
|          | BENCHMARK            |          |
|          | SOIL BORINGS         |          |
|          | WATER MANHOLE        |          |
|          | TELEPHONE MANHOLE    |          |
|          | UTILITY MANHOLE      |          |
|          | ELECTRIC MANHOLE     |          |
|          | WATER SERVICE        |          |
|          | SANITARY SEWER       |          |
|          | STORM SEWER          |          |
|          | WATERMAIN            |          |
|          | FORCE MAIN           |          |
|          | DRAIN TILE           |          |
|          | SILT FENCE           |          |
|          | CURB & GUTTER        |          |
|          | RETAINING WALL       |          |
|          | TREELINE             |          |
|          | EASEMENT LINE        |          |
|          | SETBACK LINE         |          |
|          | FENCE LINE           |          |
|          | UNDERGROUND TELE     |          |
|          | UNDERGROUND GAS      |          |
|          | OVERHEAD UTILITY     |          |

#### GRADING, DRAINAGE & EROSION CONTROL NOTES

- SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
- GRADING OF THE FILTRATION AREAS SHALL BE ACCOMPLISHED USING LOW-IMPACT EARTH-MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS. SMALL TRACKED DOZERS AND BOBCATS WITH RUNNER TRACKS ARE RECOMMENDED.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 6 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED.
- FOR SITE RETAINING WALLS "TW" EQUALS SURFACE GRADE AT TOP FACE OF WALL (NOT TOP OF WALL), "GW" EQUALS SURFACE GRADE AT BOTTOM FACE OF WALL (NOT BOTTOM OF BURIED WALL COURSES).
- REFER TO THE REPORT OF GEOTECHNICAL EXPLORATION (REPORT NO. 17085), DATED NOVEMBER 8, 2017 AS PREPARED BY ITCO ALLIED ENGINEERING COMPANY FOR AN EXISTING SUBSURFACE SITE CONDITION ANALYSIS AND CONSTRUCTION RECOMMENDATIONS.
- STREETS MUST BE CLEANED AND SWEEP WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
- DUST MUST BE ADEQUATELY CONTROLLED.
- SEE SWPPP FOR ADDITIONAL EROSION CONTROL NOTES AND REQUIREMENTS.
- SEE UTILITY PLAN FOR WATER, STORM AND SANITARY SEWER INFORMATION.
- SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS.
- RETAINING WALLS OVER 4 FEET IN HEIGHT SHALL BE DESIGNED BY A STRUCTURAL ENGINEER. WALL PLANS SHALL BE SUBMITTED FOR REVIEW.



#### PEDESTRIAN RAMP DETAILS

SCALE 1" = 10'

## PRAIRIE MEADOWS 2ND ADDITION

SHAKOPEE, MN

PRAIRIE MEADOWS, LLC

9655 63RD AVE. N.  
MAPLE GROVE, MN 55369

**LOUCKS**

PLANNING  
CIVIL ENGINEERING  
LAND SURVEYING  
LANDSCAPE ARCHITECTURE  
ENVIRONMENTAL

7200 Hemlock Lane, Suite 300  
Maple Grove, MN 55369  
763.424.5505  
www.loucksinc.com

#### CADD QUALIFICATION

CADD files prepared by the Consultant for this project are instruments of the Consultant professional services for use solely with respect to this project. These CADD files shall not be used on other projects, for additions to this project, or for completion of this project by others without written approval by the Consultant. With the Consultant's approval, others may be permitted to obtain copies of the CADD drawing files for information and reference only. All intentional or unintentional revisions, additions, or deletions to these CADD files shall be made at the full risk of that party making such revisions, additions or deletions and that party shall hold harmless and indemnify the Consultant from any & all responsibilities, claims, and liabilities.

#### SUBMITTAL/REVISIONS

|          |                     |
|----------|---------------------|
| 12/07/17 | CITY SUBMITTAL      |
| 01/30/18 | CITY COMMENTS       |
|          | CONSTRUCTION        |
| 03/01/18 | DOCUMENTS           |
| 04/11/18 | LOTS 6 & 7, BLOCK 2 |

#### PROFESSIONAL SIGNATURE

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.

*Todd W. McCoun*  
Todd W. McCoun - PE  
License No. 20383  
Date 03/01/18

#### QUALITY CONTROL

Loucks Project No. 16265B  
Project Lead TWV  
Drawn By ZHW  
Checked By TWV  
Review Date 03/01/18

#### SHEET INDEX

|             |                                 |
|-------------|---------------------------------|
| C0-1        | COVER SHEET                     |
| C1-1        | EXISTING CONDITIONS             |
| C2-1        | SITE PLAN                       |
| C3-1        | GRADING PLAN                    |
| C3-2 - C3-3 | SWPPP PLAN & NOTES              |
| C4-0        | OVERALL UTILITY PLAN            |
| C4-1 - C4-2 | SANITARY SEWER & WATERMAIN PLAN |
| C5-1 - C5-3 | STREET & STORM SEWER PLAN       |
| C8-1 - C8-3 | DETAILS                         |
| L1-1        | LANDSCAPE PLAN                  |
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## GRADING PLAN

C3-1