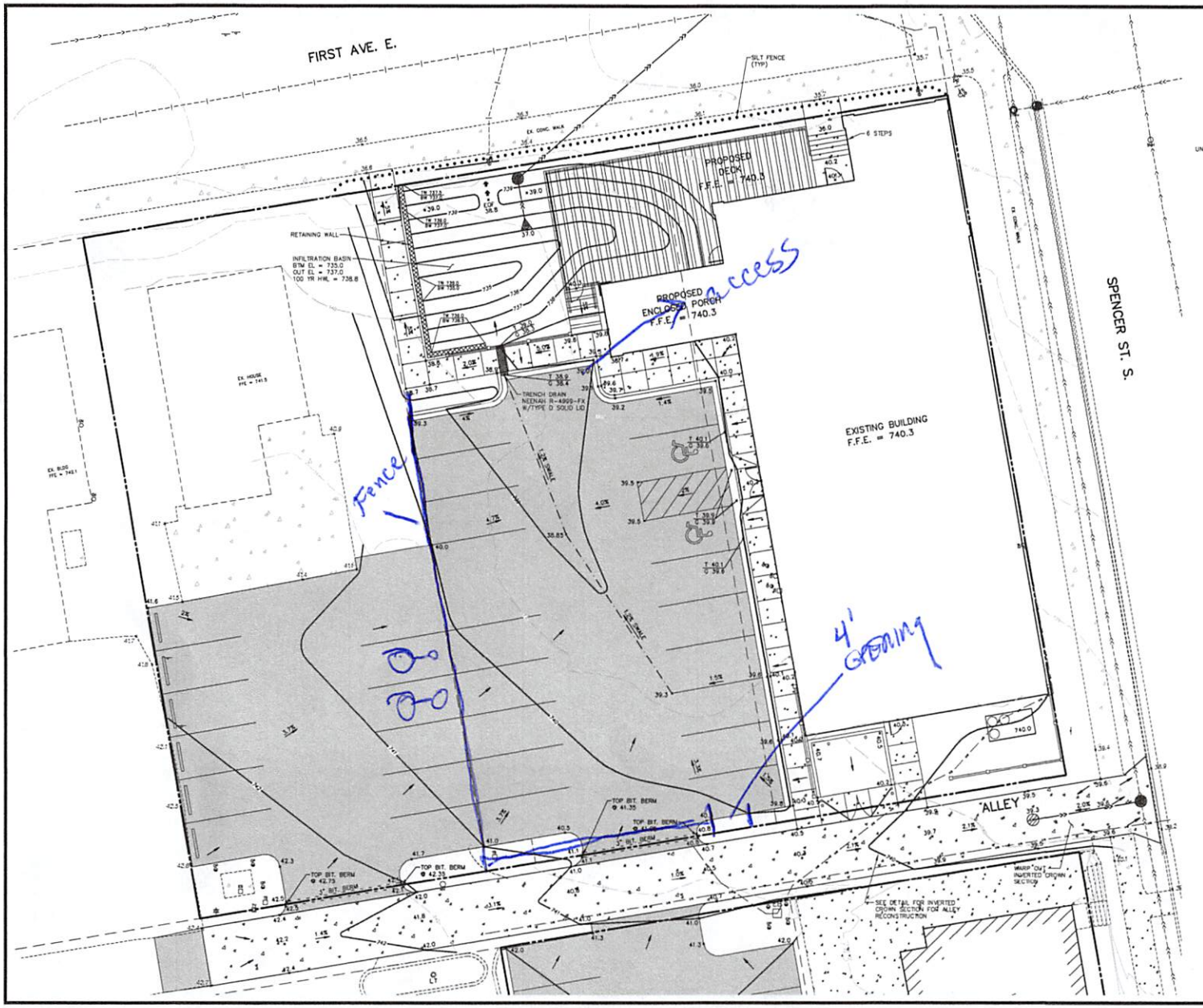


## PLAN LEGEND

| | EXISTING | PROPOSED |
|---|---|---|
| CURB | | |
| BITUMINOUS | | |
| CONCRETE WALK | | |
| PROPERTY LINE | | |
| EASEMENT LINE | | |
| STORM SEWER | | |
| SANITARY SEWER | | |
| WATER MAIN | | |
| UNDERGROUND ELECTRIC | | |
| MANHOLE | | |
| HYDRANT | | |
| GATE VALVE | | |
| POWER POLE | | |
| FENCE | | |
| 1' CONTOUR | | |
| 5' CONTOUR | | |
| SPOT ELEVATION | + 40.5 | + 40.5 |

## GOVERNING SPECIFICATIONS

1. THE LATEST EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE CITY OF SHAKOPEE SPECIFICATIONS.
2. THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MNUTCD).
3. THE LATEST EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) STANDARD SPECIFICATIONS.

## GRADING NOTES

1. SILT FENCE AND EXISTING CATCH BASIN INLET PROTECTION SHALL BE INSTALLED PRIOR TO GRADING CONSTRUCTION, AND SHALL BE MAINTAINED UNTIL THE SITE HAS BEEN STABILIZED.
2. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO THE START OF GRADING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF DISCREPANCIES OR VARIATIONS FROM THE PLAN.
3. CONTRACTOR SHALL STRIP, STOCKPILE AND RESPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM OF 6" OF TOPSOIL OVER ALL DISTURBED AREAS THAT WILL BE SODDED, SEEDED OR LANDSCAPED.

## STORMWATER CONSIDERATIONS

1. UNDER EXISTING CONDITIONS, STORMWATER DRAINS THROUGH THE EXISTING PARKING LOT TO THE WEST OF THE PROPOSED BUILDING TO BE REMODELED. THE STORMWATER FLOWS NORTH OVER THE EXISTING SIDEWALK TO 1ST AVENUE E. STORM SEWER.
2. UNDER PROPOSED CONDITIONS, THE ALLEY WILL BE RECONSTRUCTED TO DIRECT RUNOFF FROM SOUTH OF THE ALLEY TO SPENCER STREET. THE AREAS NORTH OF THE ALLEY WILL DRAIN THROUGH THE NEWLY RESURFACED PARKING LOT TO A PROPOSED INFILTRATION BASIN. THE INFILTRATION BASINS WILL OUTLET TO EXISTING STORM SEWER IN SPENCER STREET VIA A PIPED OUTLET CONNECTION.
3. THE PROPOSED PROJECT WILL CREATE APPROXIMATELY 4,000 SF OF ADDITIONAL IMPERVIOUS SURFACE. THE PROPOSED INFILTRATION BASIN WILL PROVIDE RATE CONTROL, VOLUME REDUCTION, AND WATER QUALITY TREATMENT FOR THE ADDITIONAL IMPERVIOUS SURFACE CREATED. SEE STORMWATER MANAGEMENT PLAN FOR DETAILED INFORMATION.

## AREA CALCULATIONS

TOTAL SITE AREA ——— 42,600 SF (0.98 AC.)
DISTURBED AREA ——— 30,000 SF (0.69 AC.)

N

0 5 10 20
( IN FEET )

CALL BEFORE YOU DIG

811
Know what's below.
Call before you dig.

Carlson McCain
ENVIRONMENTAL · ENGINEERING · SURVEYING
248 Apollo Dr, Suite 100, Lino Lakes, MN 55014
Phone: 763-489-7900 Fax: 763-489-7959

**GRADING & EROSION CONTROL PLAN**

**PUBLIC HOUSE**
Shakopee, Minnesota

**O'BRIEN DEVELOPMENT AND HOLDING COMPANY, LLC**
777 Vista Ridge Lane
Shakopee, MN 55379

REVISIONS
1. 06/23/15 Per City comments.
2. 08/28/15 Per City comments.
3. 09/09/15 Per City comments.
4. 09/11/15 Per City comments.
5. 10/21/15 Per City/SPUC.
6.

DRAWN BY: JTR
DESIGNED BY: JTR
ISSUE DATE: 04/30/15

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

Name: Joseph T. Radach
Signature:
Date: 04/30/15 License #: 43089