

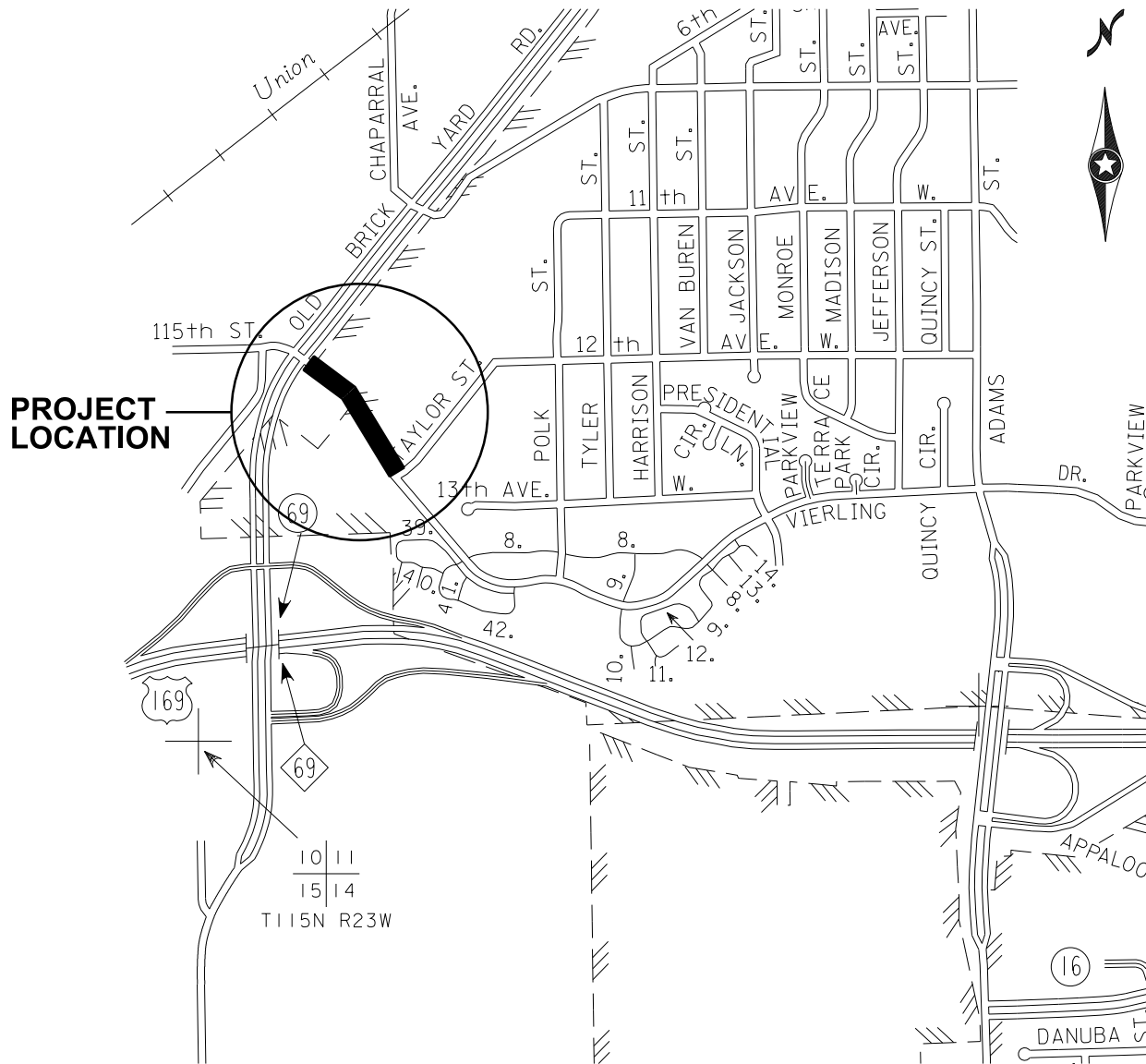
MINNESOTA DEPARTMENT OF TRANSPORTATION

CITY OF SHAKOPEE

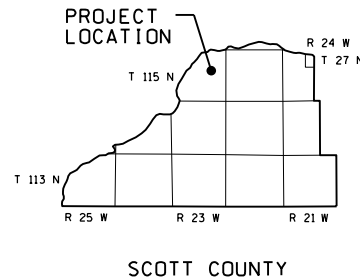
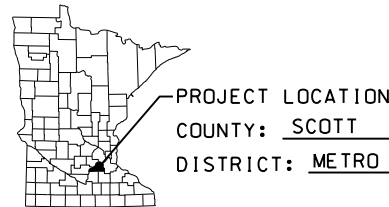
CP 2017-10

CONSTRUCTION PLAN FOR SANITARY SEWER, WATER MAIN, AND APPURTENANT WORK

LOCATED ON VIERLING DRIVE FROM CSAH 69 TO TAYLOR ST



** PHASE 1 **



PLAN SYMBOLS	
STATE LINE	----
COUNTY LINE	----
TOWNSHIP OR RANGE LINE	----
SECTION LINE	----
QUARTER LINE	----
SIXTEENTH LINE	----
RIGHT-OF-WAY LINE	----
SLOPE EASEMENT	SE
PRESENT RIGHT-OF-WAY	----
CONTROL OF ACCESS LINE	----
PROPERTY LINES (EXCEPT LAND LINES)	----
VACATED PLATTED PROPERTY	----
CORPORATE OR CITY LIMITS	----
TRUNK HIGHWAY CENTER LINE	----
RETAINING WALL	----
RAILROAD	----
RAILROAD RIGHT-OF-WAY	----
RIVER OR CREEK	----
DRY RUN	----
DRAINAGE DITCH	----
DRAIN TILE	----
CULVERT	----
DROP INLET	----
GUARD RAIL	----
BARBED WIRE FENCE	----
WOVEN WIRE FENCE	----
CHAIN LINK FENCE	----
RAILROAD SNOW FENCE	----
STONE WALL OR FENCE	----
HEDGE	----
RAILROAD CROSSING SIGN	----
RAILROAD CROSSING BELL	----
ELECTRIC WARNING SIGN	----
CROSSING GATE	----
MEANDER CORNER	----
SPRINGS	----
MARSH	----
TIMBER	----
ORCHARD	----
BRUSH	----
NURSERY	----
CATCH BASIN	----
FIRE HYDRANT	----
CATTLE GUARD	----
OVERPASS (HIGHWAY OVER)	----
UNDERPASS (HIGHWAY UNDER)	----
BRIDGE	----
BUILDING (ONE STORY FRAME)	----
F - FRAME	----
C - CONCRETE	----
S - STONE	----
T - TILE	----
B - BRICK	----
ST - STUCCO	----
IRON ROD OR PIPE	----
MONUMENT (STONE, CONCRETE, OR METAL)	----
WOODEN HUB	----
GRAVEL PIT	----
SAND PIT	----
BORROW PIT	----
ROCK QUARRY	----

UTILITY SYMBOLS	
POWER POLE LINE	----
TELEPHONE OR TELEGRAPH POLE LINE	----
JOINT TELEPHONE AND POWER ON POWER POLE	----
ON TELEPHONE POLES	----
ANCHOR	----
STREET LIGHT	----
PEDESTAL (TELEPHONE CABLE TERMINAL)	----
GAS MAIN	----
WATER MAIN	----
CONDUIT	----
TELEPHONE CABLE IN CONDUIT	----
ELECTRIC CABLE IN CONDUIT	----
TELEPHONE MANHOLE	----
ELECTRIC MANHOLE	----
BURIED TELEPHONE CABLE	----
BURIED ELECTRIC CABLE	----
AERIAL TELEPHONE CABLE	----
FIBER OPTICS	----
SEWER (SANITARY OR STORM)	----
SEWER MANHOLE	----

SCALES	
INDEX MAP	0 1000 2000
PLAN	0 50 100
PROFILE	0 50 100
VERT.	0 5 10
CROSS SECTION	0 10 20

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST EDITION OF THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL C UNLESS OTHERWISE NOTED. ALL SEWERS SHOWN ARE QUALITY LEVEL C UNLESS OTHERWISE NOTED. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C1/ASCE 38/02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

GOVERNING SPECIFICATIONS

THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3	ESTIMATED QUANTITIES
4	CONSTRUCTION NOTES & STANDARD PLATES
5 - 6	INPLACE UTILITY PLAN
7 - 8	MISCELLANEOUS DETAILS
9 - 14	CONSTRUCTION STAGING & TRAFFIC CONTROL
15 - 16	ALIGNMENT PLAN & TABLATIONS
17 - 18	MISCELLANEOUS REMOVAL PLAN
19 - 21	SANITARY SEWER & WATER MAIN PLAN
22 - 23	TEMPORARY EROSION CONTROL
24 - 29	EROSION CONTROL DETAILS

THIS PLAN SET CONTAINS 29 SHEETS

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

SIGNATURE: _____ TYPED OR PRINTED NAME: DONALD W. STERNA, P.E.

DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN 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.

DATE: 9/22/17 LICENSE NUMBER 19103

APPROVED _____ DATE _____

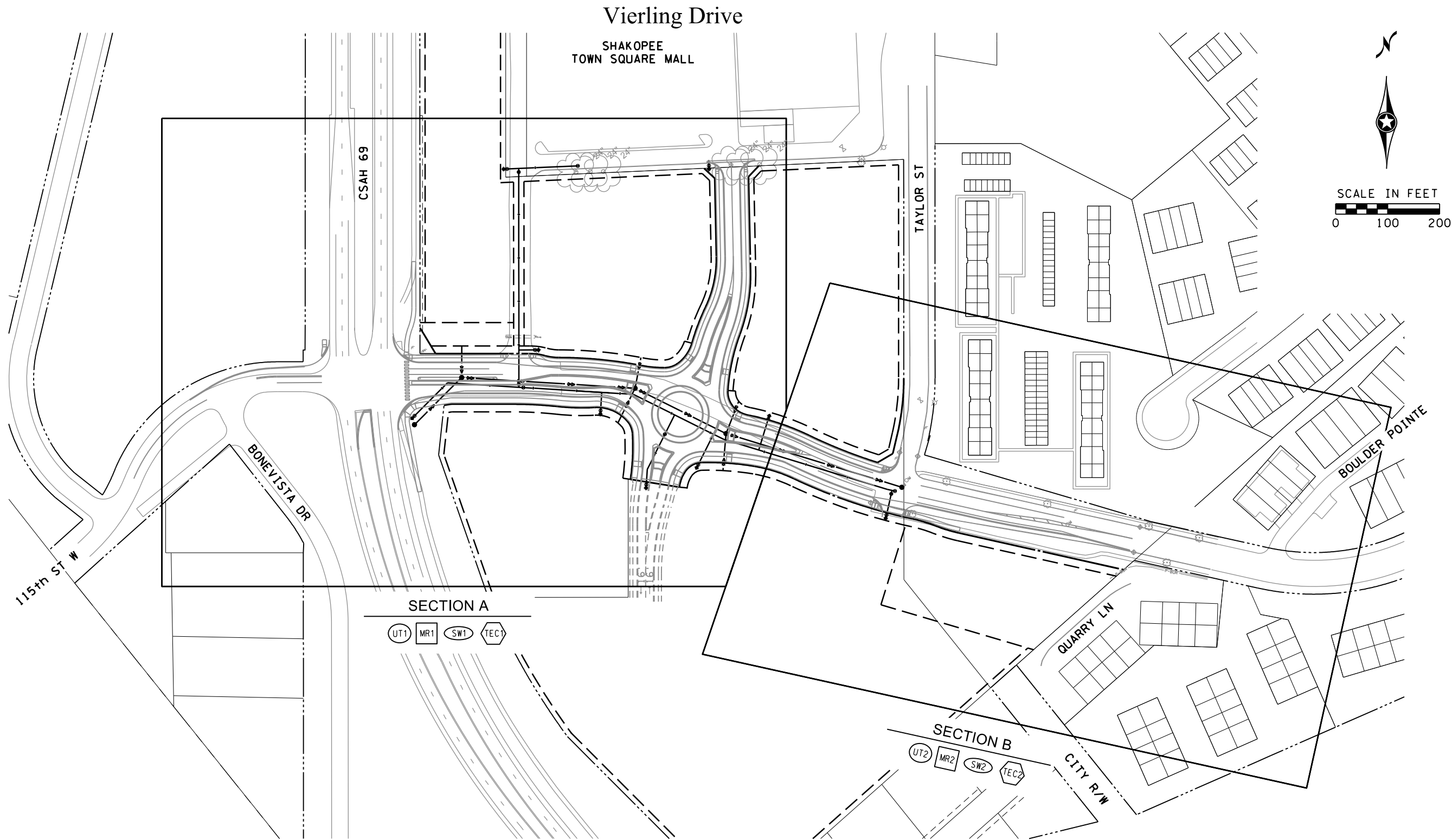
CITY OF SHAKOPEE ENGINEER

I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE _____ LIC NO _____

PLOTTED/REVISED: 9/13/2017

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LEGEND	
SHEET NO.	DESCRIPTION
(XXX)	INPLACE UTILITY PLAN
XX	MISCELLANEOUS REMOVALS
(XXX)	SANITARY SEWER & WATER MAIN PLAN
(XXX)	TEMPORARY EROSION CONTROL

NO.	DATE	BY	CHK	REVISIONS

Design By:	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Plan By:	
Checked By:	PRINT NAME: DONALD W. STERNA, PE
Approved By:	DATE 9/13/2017 LICENSE # 19103



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 wsbeng.com



Vierling Drive Connection
 City of Shakopee, Minnesota

CITY OF SHAKOPEE, MINNESOTA
GENERAL LAYOUT
 CP 2017-10

SHEET
GL1
 OF
\$TOT
 SHEETS

