

CITY OF MAPLE GROVE, MN - HENNEPIN COUNTY  
**RUSH CREEK BOULEVARD INTERCHANGE**  
 LOCATED ON RUSH CREEK BLVD FROM TH 610 TO 96TH AVE

**LUMEN RELOCATION PLAN**

PROJECT N.XXXXXX / TERR-1008637

City Permit Area

PLANS PREPARED FOR



CENTURLINK ENGINEER:  
 PHONE:  
 EMAIL:  
 CENTURLINK CONSTRUCTION CONTACT:  
 PHONE:  
 EMAIL:  
 WIRECENTER:

PLANS PREPARED BY



TERR ENGINEER: STEPHANIE HELLOQUIST  
 PHONE: 651-283-6774  
 EMAIL: sthelquist@terratechinc.net

PROJECT CONTACT

OWNER:  
 PHONE:  
 EMAIL:  
 PROJECT ENGINEER:  
 PHONE:  
 EMAIL:  
 SURVEY/STAKING:  
 PHONE:  
 EMAIL:  
 ROAD CONTRACTOR:  
 PHONE:  
 EMAIL:



LOCATION MAP  
 NOT TO SCALE

FOR REFERENCE ONLY



OPENING STATE ONE CALL  
 1-800-487-1000  
 WWW.OPEN-9876543210CALL.MN

PERMITS REQUIRED:  YES  NO

CITY:  
 COUNTY:  
 STATE:  
 RAILROAD:  
 PIPELINE:  
 DNR:  
 MISCELLANEOUS:

CUTS REQUIRED:  YES  NO

FIBER OPTIC  
 COPPER

MIGRATIONS REQUIRED:  YES  NO

PRECONSTRUCTION MEETING DATE: \_\_\_\_\_

EXPECTED ROADWAY CONSTRUCTION START DATE: \_\_\_\_\_

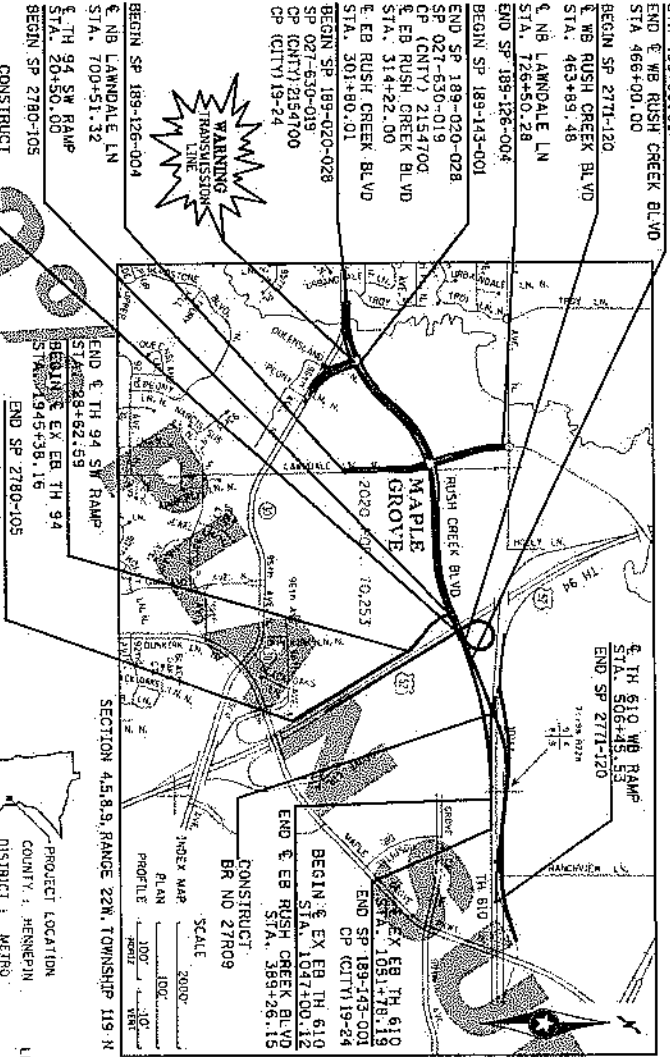
NOTE:  
 CENTURLINK FACILITIES ARE APPROXIMATE ONLY AND  
 HAVE NOT BEEN POTHOLED. FOR REFERENCE ONLY.

REVISION	DATE

**MINNESOTA DEPARTMENT OF TRANSPORTATION  
CITY OF MAPLE GROVE, MINNESOTA  
RUSH CREEK BOULEVARD INTERCHANGE**

**CONSTRUCTION PLAN FOR GRADING, CONCRETE & BITUMINOUS SURFACING, SIGNALS, LIGHTING, TRS, ADA IMPROVEMENTS, AND BRIDGES 271J3 & 271J9**

LOCATED ON TH 610 FROM 300' WEST OF MAPLE GROVE PARKWAY TO CSAH 30  
 LOCATED ON CSAH 30 FROM TH 610 TO 400' NORTH OF MAPLE GROVE PARKWAY  
 LOCATED ON TH 94 FROM EB TH 610 RAMP TO 100' NORTH OF 96TH PLACE N TO JUST AVENUE N  
 LOCATED ON LAMDALE LANE FROM 100' NORTH OF 96TH PLACE N TO JUST AVENUE N



**DESIGN DESIGNATION FOR RAMP**

TH 94 RAMPS	TH 610 RAMPS	BOULEVARD	CSAH 30	LAMDALE LANE	TRAIL
15	15	15	15	15	15
5,150	7,700	11,500	15,300	1,600	20
18,720	26,000	34,400	45,000	10,000	20
10 TON	10 TON	10 TON	10 TON	10 TON	10 TON
15.7/2.0'	15.7/2.0'	15.7/2.0'	15.7/2.0'	15.7/2.0'	15.7/2.0'

**STATE PROJ. NO. 271-120 (TH 610)**

GROSS LENGTH: 256,058 FEET 0.806 MILES  
 BRIDGES-LENGTH: 2044 FEET 0.058 MILES  
 EXCEPTED-LENGTH: 155.94 FEET 0.046 MILES  
 NET LENGTH: 256,008.06 TO REF. POINT 0+00+01.258  
 REF. POINT: 0+00+01.258  
 LENGTH AND DESCRIPTION BASED UPON TH 610 WB RAMP

**STATE PROJ. NO. 2780-105 (TH 94)**

GROSS LENGTH: 3048.57 FEET 0.571 MILES  
 BRIDGES-LENGTH: 3048.57 FEET 0.571 MILES  
 EXCEPTED-LENGTH: 0 FEET 0.000 MILES  
 NET LENGTH: 3048.57 TO REF. POINT 213+00+42.3  
 REF. POINT: 213+00+42.3  
 LENGTH AND DESCRIPTION BASED UPON EX TH 94 AND TH 94 SB RAMPS

**STATE PROJ. NO. 189-143-001**

GROSS LENGTH: 7882.42 FEET 1.512 MILES  
 BRIDGES-LENGTH: 1241.99 FEET 0.492 MILES  
 EXCEPTED-LENGTH: 1241.99 FEET 0.492 MILES  
 NET LENGTH: 7882.42 TO REF. POINT 1967+74.112  
 REF. POINT: 1967+74.112  
 LENGTH AND DESCRIPTION BASED UPON EB RUSH CREEK BOULEVARD AND EX TH 610

**STATE PROJ. NO. 189-126-004**

GROSS LENGTH: 2598.96 FEET 0.492 MILES  
 BRIDGES-LENGTH: 2598.96 FEET 0.492 MILES  
 EXCEPTED-LENGTH: 0 FEET 0.000 MILES  
 NET LENGTH: 2598.96 TO REF. POINT 1967+74.112  
 REF. POINT: 1967+74.112  
 LENGTH AND DESCRIPTION BASED UPON EB RUSH CREEK BLVD

**STATE PROJ. NO. 271-120 (TH 610)**

CHARGE IDENTIFIER

DATE	SHEET NO.	APPROVED BY

AGREEMENT NO. XXXXXX  
 CITY OF MAPLE GROVE  
 SP 271-120 (TH 610) - 3331  
 METRO DISTRICT

**FED. PROJ. NO. ST86-NHP 2723(111)**

**GOVERNING SPECIFICATIONS**

THE 2010 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL APPLY TO THIS PROJECT UNLESS OTHERWISE SPECIFIED.

THE MINNESOTA DEPARTMENT OF TRANSPORTATION SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT UNLESS OTHERWISE SPECIFIED.

**INDEX**

SHEET NO.	TITLE DESCRIPTION
1-5	GENERAL LAYOUT
6-10	STANDARD PLATES
11-15	STANDARD TABLES AND SUMMARY
16-20	CONSTRUCTION AND SOIL NOTES
21-25	IMPACT UTILITY LOCATIONS
26-30	TYPICAL SECTIONS
31-35	UTILITY LOCATIONS
36-40	STANDARD AND TRAFFIC CONTROL PLANS
41-45	ADDITIONAL PLANS AND TABULATIONS
46-50	PROVISION AND UTILITY PLANS
51-55	CONSTRUCTION DETAILS
56-60	ROADWAY PROFILES
61-65	RETAINING WALL PLANS, PROFILES AND DETAILS
66-70	SEWER/ELEVATION PLANS
71-75	DOMESTIC WATER SUPPLY, PRIORITIES AND DETAILS
76-80	STORM WATER POLLUTION PREVENTION PLANS (SWPPP)
81-85	EMSION CONTROL AND WATER WASH PLANS
86-90	PERMANENT PAVEMENT MARKING PLANS AND DETAILS
91-95	LIGHTING PLANS AND DETAILS
96-100	SIGNALING PLANS AND DETAILS
101-105	CONTINGENCY PLANS AND DETAILS
106-110	TRAFFIC SIGNAL PLANS AND DETAILS
111-115	CROSS SECTIONS
116-120	GROSS SECTIONS

THIS PLAN CONTAINS 815 SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MINNESOTA.

DATE: 12/23/23  
 SIGNATURE: [Signature]  
 PRINT NAME: [Name]  
 BOARD: [Board]

APPROVED: [Signature] CITY ENGINEER OF MAPLE GROVE

APPROVED: [Signature] HENNEPIN COUNTY ENGINEER

RECOMMENDED FOR APPROVAL: [Signature] HENNEPIN COUNTY DESIGN DIVISION ENGINEER

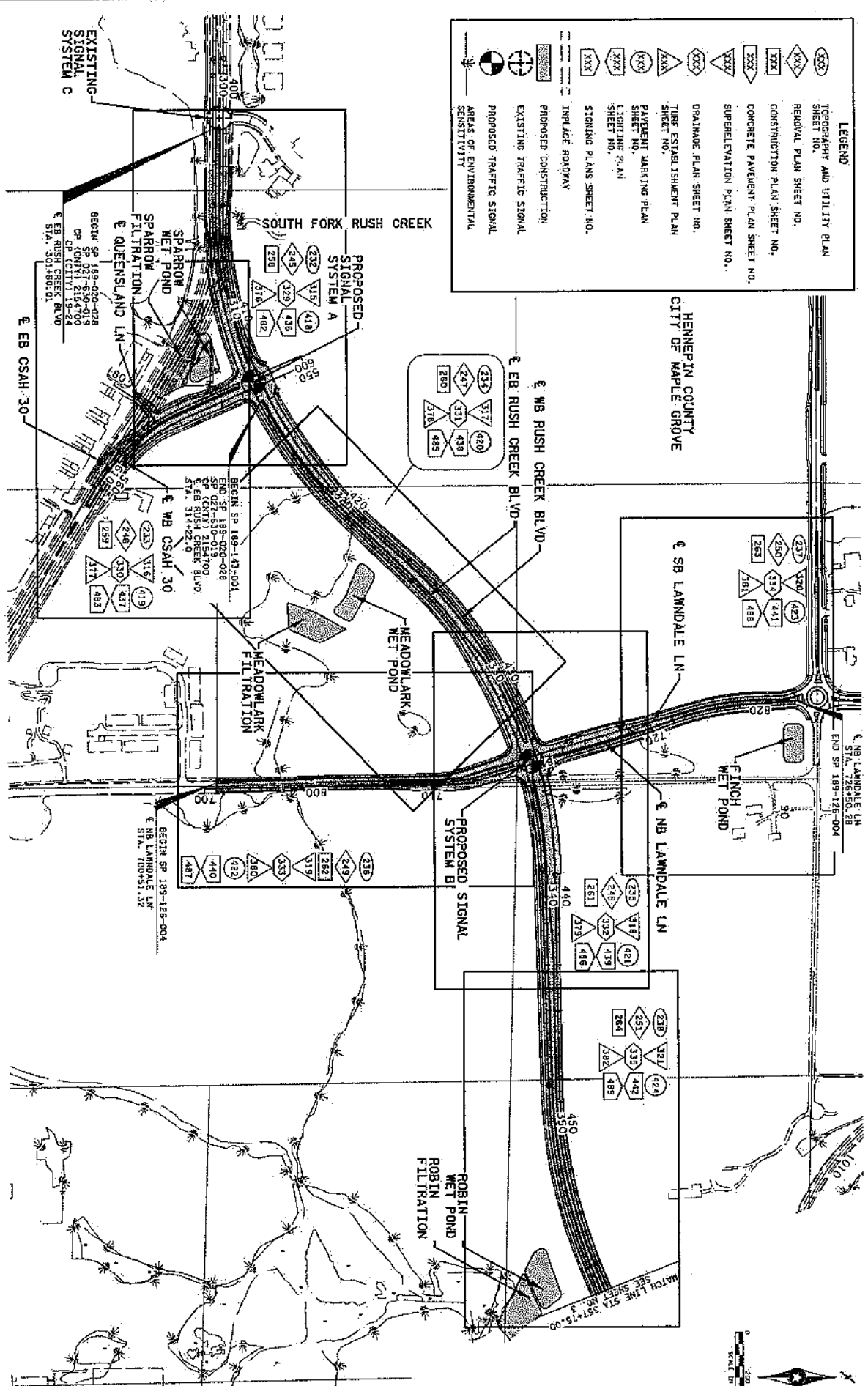
OFFICE OF LAND MANAGEMENT APPROVAL: [Signature] DIRECTOR OF LAND MANAGEMENT

APPROVED: [Signature] STATE DESIGN ENGINEER

DATE: 12/23/23

**LEGEND**

- XXX TOPOGRAPHY AND UTILITY PLAN SHEET NO.
- XXX REMOVAL PLAN SHEET NO.
- XXX CONSTRUCTION PLAN SHEET NO.
- XXX CONCRETE PAVEMENT PLAN SHEET NO.
- XXX SUPERELEVATION PLAN SHEET NO.
- XXX DRAINAGE PLAN SHEET NO.
- XXX TIRE ESTABLISHMENT PLAN SHEET NO.
- XXX PAVEMENT MARKING PLAN SHEET NO.
- XXX LIGHTING PLAN SHEET NO.
- XXX SIGNING PLANS SHEET NO.
- IMPLACE ROADWAY
- PROPOSED CONSTRUCTION
- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- AREAS OF ENVIRONMENTAL SENSITIVITY



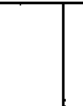
NO.	DATE	BY	CHKD	APP'D

1. THE CITY OF MAPLE GROVE HAS REVIEWED THIS PLAN AND APPROVES THE PROPOSED CONSTRUCTION OF THE PROJECT AS SHOWN ON THESE PLANS. THE CITY ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE PROJECT AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON.

BRANDON VASS  
 CIVIL ENGINEER  
 LICENSE NO. 51728

STATE JOB PROJECT NO.  
 119149-001  
 PROJECT NO.  
 271100-THE RUSH CREEK BOULEVARD INTERCHANGE  
 COUNTY ROAD NO. 214700  
 N.C. 19-24

DESIGNED BY  
 SRF  
 DRAWN BY  
 SRF  
 CHECKED BY  
 SRF  
 SCALE: AS SHOWN  
 SHEET NO. 12510



CITY OF MAPLE GROVE  
 GENERAL LAYOUT  
 RUSH CREEK BOULEVARD INTERCHANGE

NO.	DATE	BY	REV.
1	12/14/23	J2510	1
2	12/14/23	J2510	2
3	12/14/23	J2510	3
4	12/14/23	J2510	4
5	12/14/23	J2510	5
6	12/14/23	J2510	6
7	12/14/23	J2510	7
8	12/14/23	J2510	8
9	12/14/23	J2510	9
10	12/14/23	J2510	10

1. The design of this project is based on the information provided by the client and the design team. The design is subject to change based on the availability of information and the needs of the client. The design is not intended to be used for any other purpose without the written consent of the design team.

2. The design team is not responsible for any errors or omissions in this design. The design team is not responsible for any consequences that may arise from the use of this design.

3. The design team is not responsible for any legal or regulatory requirements that may apply to this design. The design team is not responsible for any costs that may be incurred as a result of this design.

4. The design team is not responsible for any environmental impacts that may be caused by this design. The design team is not responsible for any damage to property or the environment that may be caused by this design.

STATE AND PROJECT NO.	198-15-001
STATE PROJECT NAME	STATE ROUTE 169
CITY PROJECT NO.	2717-02 TH 94
CITY PROJECT NAME	TH 94
CONTRACT NO.	NO. 19-24
CONTRACT NAME	NO. 214100
CONTRACT DESCRIPTION	CONTRACT NO. 19-24
CONTRACT VALUE	CONTRACT NO. 19-24
CONTRACT DATE	CONTRACT NO. 19-24
CONTRACT LOCATION	CONTRACT NO. 19-24
CONTRACT OWNER	CONTRACT NO. 19-24
CONTRACT CONTACT	CONTRACT NO. 19-24
CONTRACT ADDRESS	CONTRACT NO. 19-24
CONTRACT PHONE	CONTRACT NO. 19-24
CONTRACT FAX	CONTRACT NO. 19-24
CONTRACT EMAIL	CONTRACT NO. 19-24
CONTRACT WEBSITE	CONTRACT NO. 19-24
CONTRACT SOCIAL MEDIA	CONTRACT NO. 19-24
CONTRACT OTHER	CONTRACT NO. 19-24



CITY OF MAPLE GROVE  
 GENERAL LAYOUT  
 RUSH CREEK BOULEVARD INTERCHANGE  
 SHEET 3 OF 815

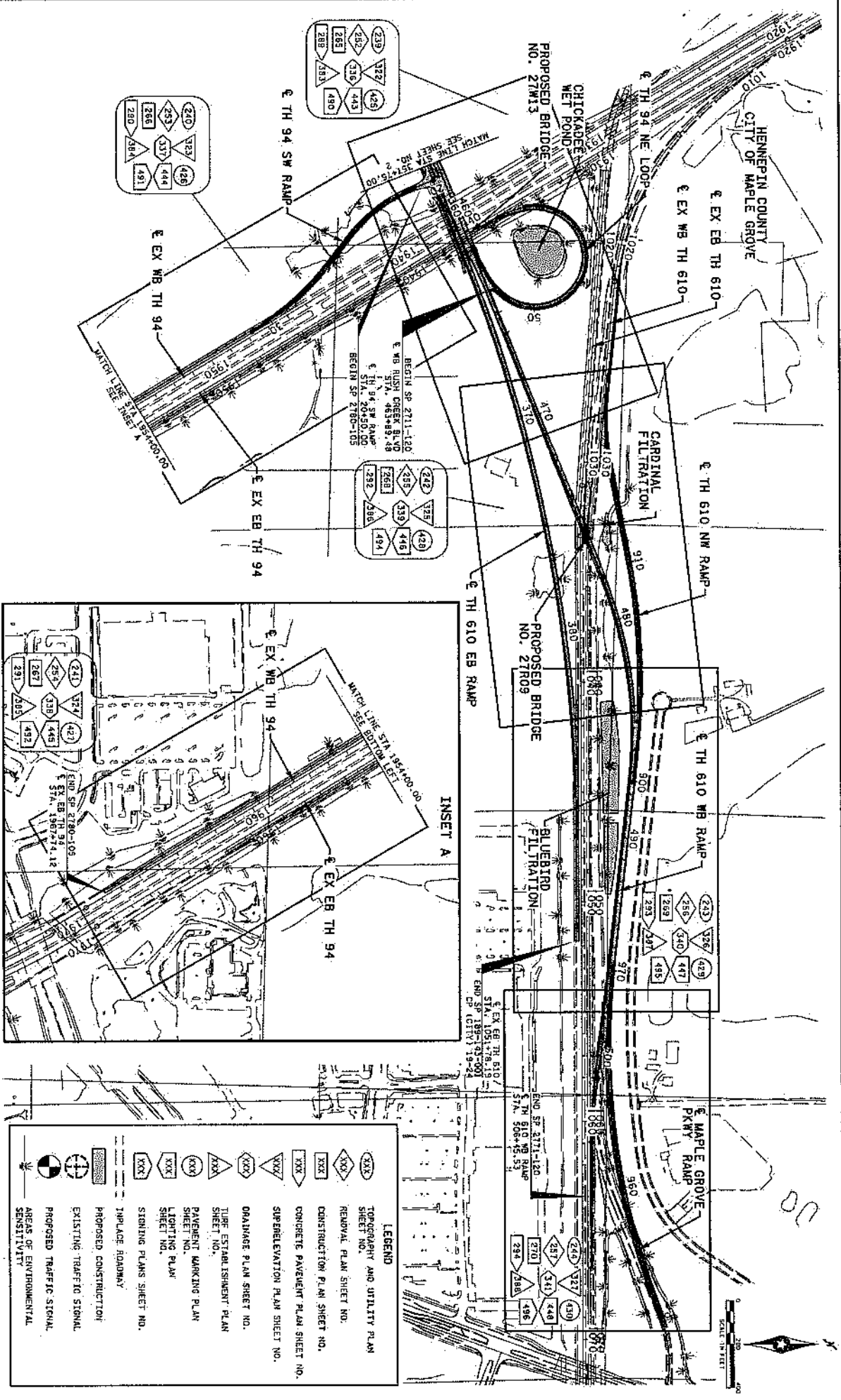


Table with columns: NO, DATE, BY, EXPI, REVISION, etc.

Table with columns: DATE, REVISION, etc.

Table with columns: STATE AND PROJECT NO., STATE PROJECT NO., COUNTY PROJECT NO., etc.

Table with columns: COUNTY PROJECT NO., COUNTY PROJECT NO., etc.

Table with columns: DRAWN BY, CHECKED BY, etc.

Table with columns: CITY OF MAPLE GROVE, RUSH CREEK BOULEVARD INTERCHANGE, SHEET 31 OF 815

UTILITIES  
THE FOLLOWING LIST SHOWS THE UTILITY COMPANIES INVOLVED ON THIS PROJECT:  
AT&T CORPORATION  
CENTROPH CITY OF MAPLE GROVE  
COMCAST CABLE, LLC  
HENNEPIN COUNTY PUBLIC WORKS  
MINNESOTA DEPARTMENT OF TRANSPORTATION  
XCEL ENERGY  
GREAT RIVER ENERGY

GENERAL NOTES:  
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL 0. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02Z, ENITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEFINITION OF EXISTING SUBSURFACE UTILITY DATA."  
UTILITY WORK SHOWN ON THESE SHEETS SHALL BE DONE BY OTHERS UNLESS OTHERWISE NOTED.  
UTILITY WORK APPLIES TO THE CONSTRUCTION/EXCAVATION AREA LIMITS ONLY. THE CONTRACTOR IS HEREBY REMINDED OF HIS RESPONSIBILITY TO CONTACT ALL UTILITIES THAT MAY HAVE FACILITIES IN THE PROJECT AREA.  
ALL POWER LINES ARE DISTRIBUTION LINES UNLESS NOTED OTHERWISE.

EXISTING UTILITIES (CENTURYLINK)

Table with columns: ALIGNMENT, STATION, LOCATION, OFFSET, IMP/ACE ITEM, LEAVE AS IS, ADJUST (P-2), NOTES

EXISTING UTILITIES (HENNEPIN COUNTY SIGNALS)

Table with columns: ALIGNMENT, STATION, LOCATION, OFFSET, IMP/ACE ITEM, LEAVE AS IS, ADJUST, RELOCATE, REMOVE MANHOLE, NOTES

EXISTING UTILITIES (HENNEPIN COUNTY)

Table with columns: ALIGNMENT, STATION, LOCATION, OFFSET, IMP/ACE ITEM, LEAVE AS IS, ADJUST, RELOCATE, NOTES

EXISTING UTILITIES (AT&T)

Table with columns: ALIGNMENT, STATION, LOCATION, OFFSET, IMP/ACE ITEM, LEAVE AS IS, ADJUST, NOTES



CITY OF MAPLE GROVE  
INFRAECC UTILITY TABULATIONS  
RUSH CREEK BOULEVARD INTERCHANGE

NO.	DATE	BY	CHKD	APPD	REVISION

1. I hereby certify that this plan, specification, report, or other work 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 New Jersey.

DATE: 12/15/14 License # 56747

NAME: ANDREW TOAY

STATE AND PROJECT NO.  
 STATE PROJECT NO. 189-14-001  
 COUNTY PROJECT NO. Z180-10-010  
 CITY PROJECT NO. 19-24

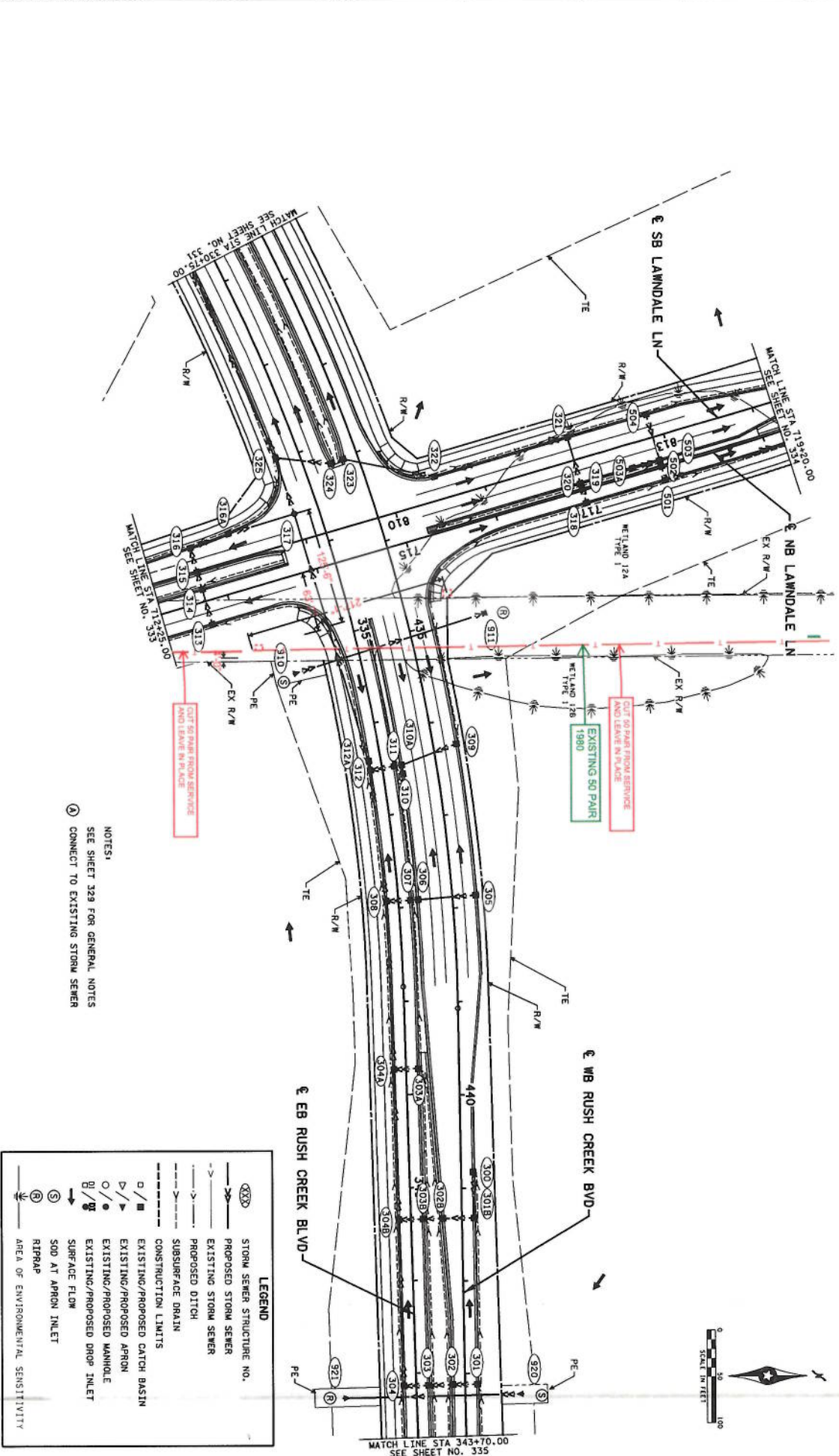
DRAWN BY: J. BRUNICK  
 DESIGNED BY: J. BRUNICK  
 CHECKED BY: A. TOAY

COMM. NO. 1912910



CITY OF MAPLE GROVE  
 DRAINAGE PLANS  
 RUSH CREEK BOULEVARD INTERCHANGE

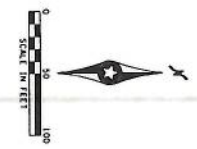
SHEET 332  
 OF 815



NOTES:  
 SEE SHEET 329 FOR GENERAL NOTES  
 (A) CONNECT TO EXISTING STORM SEWER

**LEGEND**

- (300) STORM SEWER STRUCTURE NO.
- PROPOSED STORM SEWER
- - - EXISTING STORM SEWER
- - - PROPOSED DITCH
- - - EXISTING DITCH
- - - SUBSURFACE DRAIN
- - - CONSTRUCTION LIMITS
- EXISTING/PROPOSED CATCH BASIN
- △ EXISTING/PROPOSED APRON
- EXISTING/PROPOSED MANHOLE
- ⊕ EXISTING/PROPOSED DROP INLET
- SURFACE FLOW
- ⊙ SOD AT APRON INLET
- ⊕ RIPRAP
- ⊕ AREA OF ENVIRONMENTAL SENSITIVITY



MATCH LINE STA 343+70.00  
 SEE SHEET NO. 335

NO.	DATE	BY	EGD APPROV	REVISION

1. Verify existing flow, this does not constitute an "as-built" record. It is the responsibility of the contractor to verify the location and depth of all existing utilities and structures. The City of Rush is not responsible for the location and depth of any utilities or structures not shown on this plan.

DATE: \_\_\_\_\_ License # 56747

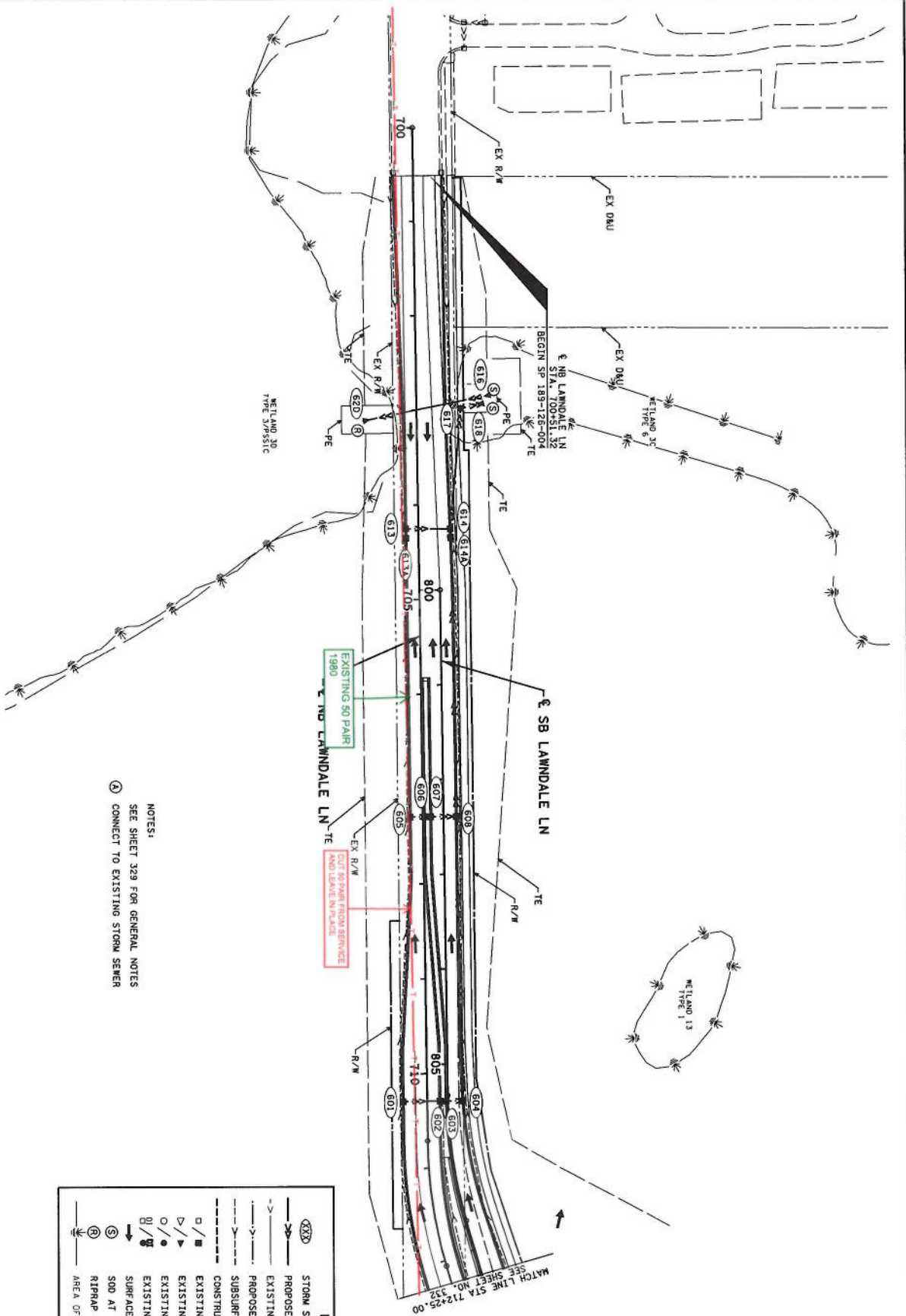
STATE AID PROJECT NO. 189-143-001  
 STATE PROJECT NO. 2771-101 IN SUB  
 CITY PROJECT NO. 2154700  
 COUNTY PROJECT NO. 1912710

DRAWN BY J. BEZUMER  
 DESIGNED BY A. TOYAY  
 CHECKED BY A. TOYAY  
 COMM. NO. 1912710



CITY OF MAPLE GROVE  
 DRAINAGE PLANS  
 RUSH CREEK BOULEVARD INTERCHANGE

SHEET 333  
 OF 815



NOTES:  
 SEE SHEET 329 FOR GENERAL NOTES  
 ④ CONNECT TO EXISTING STORM SEWER

LEGEND	
(XXXX)	STORM SEWER STRUCTURE NO.
—>	PROPOSED STORM SEWER
- - ->	EXISTING STORM SEWER
- - ->	PROPOSED DITCH
- - ->	SUBSURFACE DRAIN
---	CONSTRUCTION LIMITS
□ / ▣	EXISTING/PROPOSED CATCH BASIN
△ / ▽	EXISTING/PROPOSED APRON
○ / ●	EXISTING/PROPOSED MANHOLE
⊗ / ⊙	EXISTING/PROPOSED DROP INLET
→	SURFACE FLOW
⊙	SOD AT APRON INLET
⊗	RIPRAP
⊕	AREA OF ENVIRONMENTAL SENSITIVITY



NO.	DATE	BY	APP.	REVISION

Licensee's name, title, and registration information, if applicable, shall be placed in the upper right corner of the drawing. The name of the State of Missouri shall be placed in the lower right corner of the drawing. The name of the State of Missouri shall be placed in the lower right corner of the drawing.

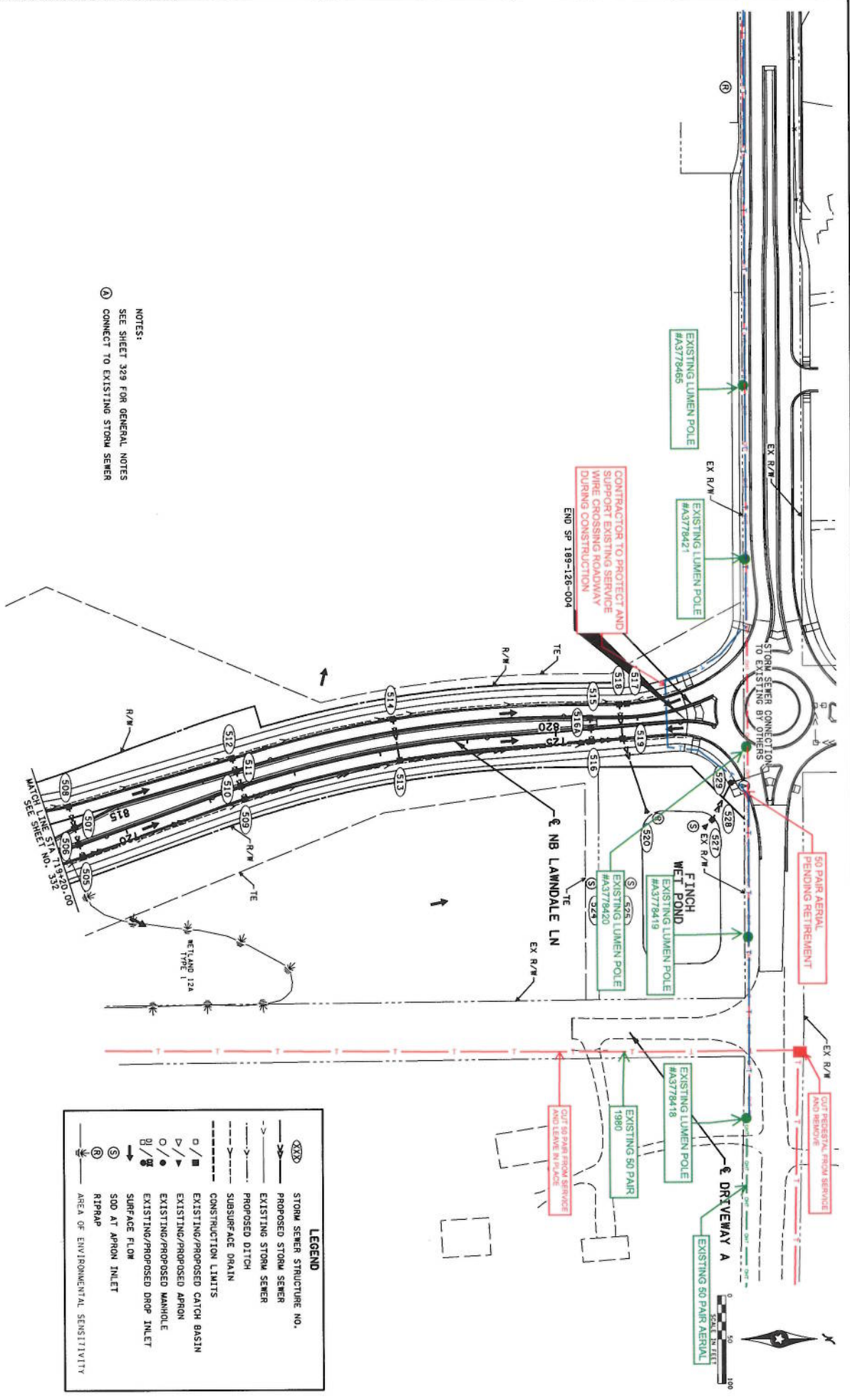
DATE: \_\_\_\_\_ LICENSE NO.: 55747

STATE AND PROJECT NO.: \_\_\_\_\_  
 STATE PROJECT NO.: \_\_\_\_\_  
 CITY PROJECT NO.: \_\_\_\_\_  
 COUNTY PROJECT NO.: \_\_\_\_\_  
 COMM. NO.: 1912310



CITY OF MAPLE GROVE  
 DRAINAGE PLANS  
 RUSH CREEK BOULEVARD INTERCHANGE

SHEET 334  
 OF 815



**LEGEND**

(S)	STORM SEWER STRUCTURE NO.
(---)	PROPOSED STORM SEWER
(---)	EXISTING STORM SEWER
(---)	PROPOSED DITCH
(---)	SUBSURFACE DRAIN
(---)	CONSTRUCTION LIMITS
(O)	EXISTING/PROPOSED CATCH BASIN
(P)	EXISTING/PROPOSED APRON
(O)	EXISTING/PROPOSED MANHOLE
(O)	EXISTING/PROPOSED DROP INLET
(O)	SURFACE FLOW
(O)	SOD AT APRON INLET
(O)	RIPRAP
(O)	AREA OF ENVIRONMENTAL SENSITIVITY

NOTES:  
 SEE SHEET 329 FOR GENERAL NOTES  
 ① CONNECT TO EXISTING STORM SEWER

