

PLANS PREPARED FOR

LUMEN[®]

LUMEN ENGINEER:
 EMAIL:
 PHONE:
 LUMEN CONSTRUCTION CONTACT:
 EMAIL:
 PHONE:
 WIRECENTER:

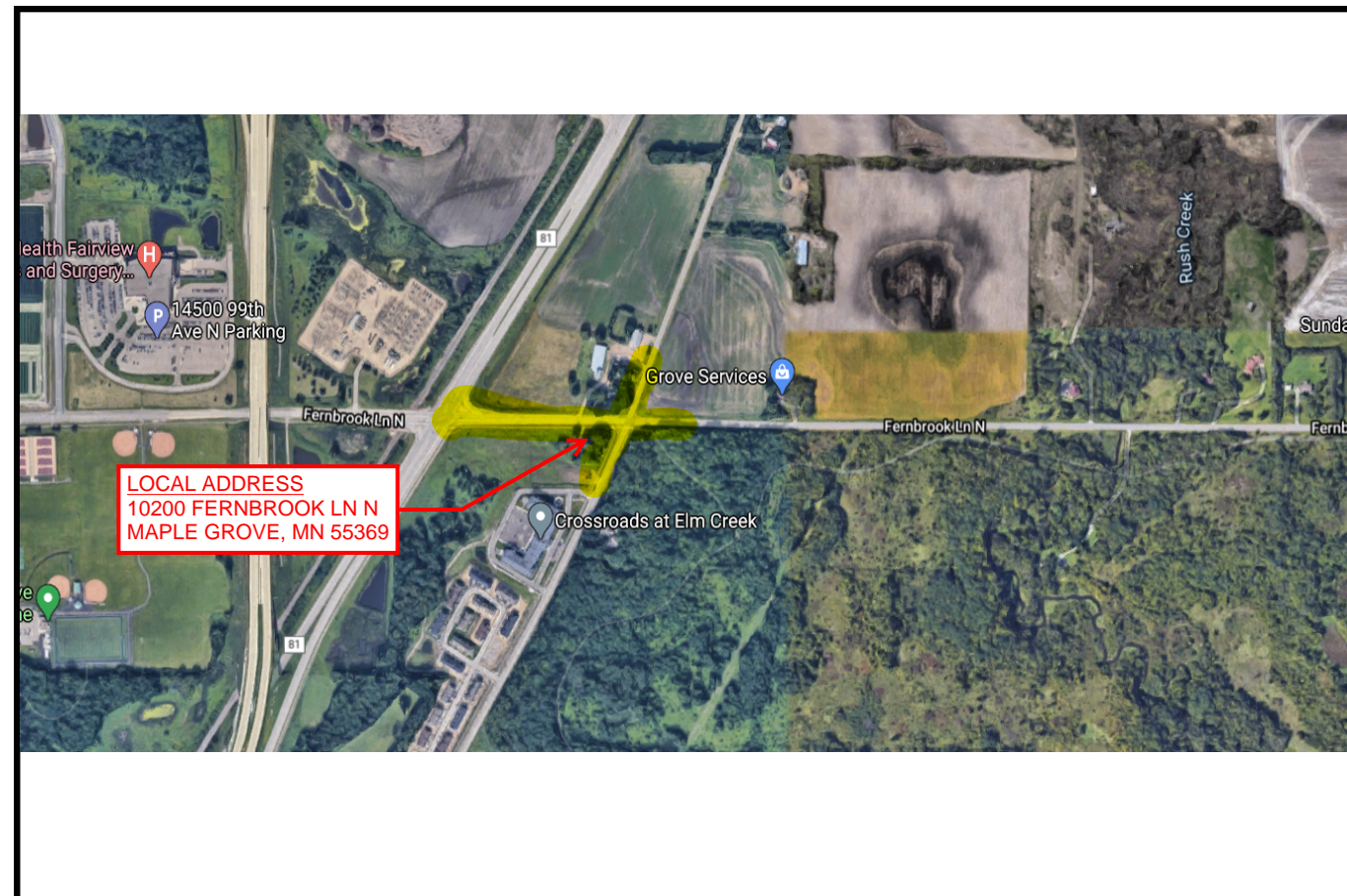
PLANS PREPARED BY



TT ENGINEER:
 PHONE:
 EMAIL:

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

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:

NOTES:
 ALL EXISTING AND PROPOSED CONDITIONS ARE BASED ON INFORMATION PROVIDED BY OTHERS. LUMEN CANNOT BE RESPONSIBLE FOR THE ACCURACY OF INFORMATION AND/OR PLANS PROVIDED BY OUTSIDE PARTIES. FACILITY LOCATIONS, DEPTHS AND ELEVATIONS SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 PROPOSED DESIGN MODIFICATIONS ARE RECOMMENDATIONS ONLY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

REVISION	DATE



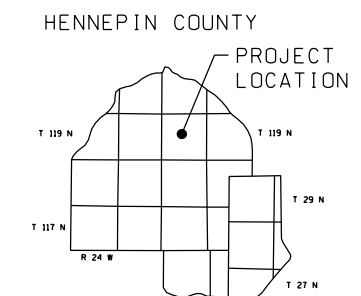
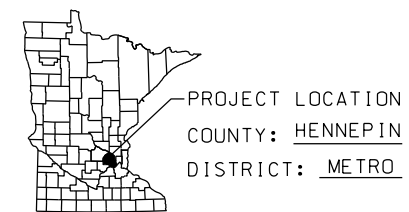
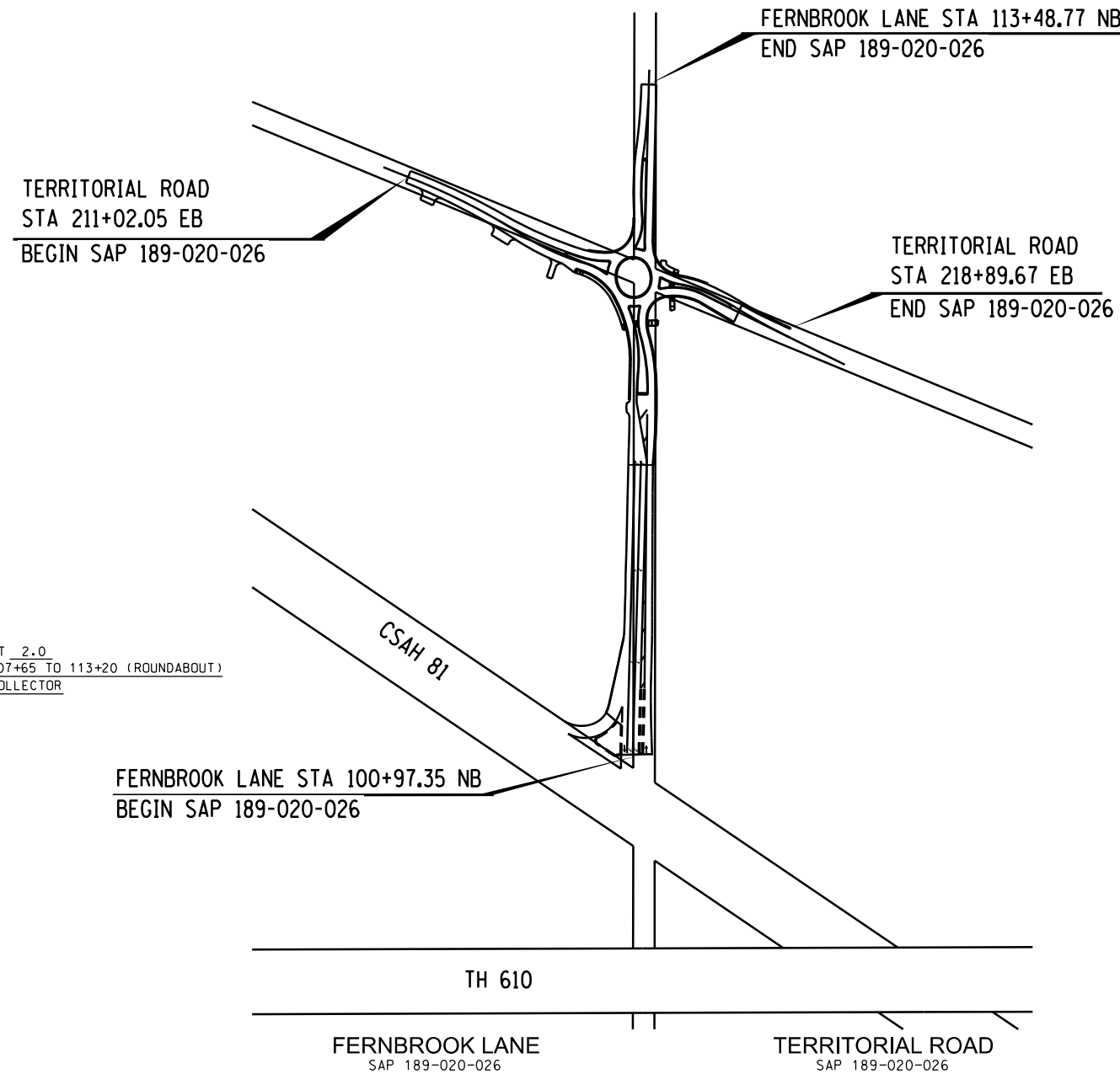
MINNESOTA DEPARTMENT OF TRANSPORTATION

HENNEPIN COUNTY

CITY OF MAPLE GROVE

CONSTRUCTION PLAN FOR ROUNDABOUT, GRADING, BITUMINOUS SURFACING, LIGHTING, AND ADA IMPROVEMENTS

LOCATED ON FERNBROOK LANE FROM CSAH 81 TO 342' NORTH OF TERRITORIAL ROAD
 LOCATED ON TERRITORIAL ROAD FROM 465' WEST FERNBROOK LANE TO 274' EAST OF FERNBROOK LANE



DESIGN DESIGNATION

FERNBROOK LANE
SAP 189-020-026

R VALUE = 25
 ADT (Current Year) 2021 = 6,326
 ADT (Future Year) 2041 = 7,590
 D (DIRECTIONAL DISTR.) = 50/50
 HCA DT (Future Year) 2041 = 291
 ESALS 755,000
 DESIGN SPEED 40 MPH
 BASED ON STOPPING SIGHT DISTANCE
 HEIGHT OF EYE 3.5 HEIGHT OF OBJECT 2.0
 DESIGN SPEED NOT ACHIEVED AT: STA. 107+65 TO 113+20 (ROUNDAABOUT)
 FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
 NO. OF TRAFFIC LANES 2
 NO. OF PARKING LANES 0
 SHOULDER WIDTH 6'
 TON DESIGN 10

FERNBROOK LANE
SAP 189-020-026

GROSS LENGTH 1251.42 ft 0.237 miles
 BRIDGES-LENGTH _____ ft _____ miles
 EXCEPTIONS-LENGTH _____ ft _____ miles
 NET LENGTH 1251.42 ft 0.237 miles

NOTE: LENGTH AND DESCRIPTION BASED ON NB ALIGNMENT.

TERRITORIAL ROAD
SAP 189-020-026

GROSS LENGTH 787.62 ft 0.149 miles
 BRIDGES-LENGTH _____ ft _____ miles
 EXCEPTIONS-LENGTH _____ ft _____ miles
 NET LENGTH 787.62 ft 0.149 miles

NOTE: LENGTH AND DESCRIPTION BASED ON EB ALIGNMENT.

NOTE: THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02 ENTITLED STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA.

GOVERNING SPECIFICATIONS
 THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3 - 4	ESTIMATED QUANTITIES
5	SOILS AND CONSTRUCTION NOTES
6 - 7	TABULATIONS
8	EARTHWORK TABULATION
9 - 15	TYPICAL SECTIONS
16 - 18	MISCELLANEOUS DETAILS
19 - 35	STANDARD PLAN SHEETS
36 - 39	STAGING & TRAFFIC CONTROL PLAN
40 - 43	ALIGNMENT PLAN
44 - 45	INPLACE TOPOGRAPHY
46 - 47	REMOVAL PLAN
48 - 49	SIGN REMOVAL PLAN
50 - 55	CONSTRUCTION PLAN
56 - 58	QUADRANT DETAILS
59	PED RAMP DETAILS
60 - 61	DRAINAGE PLAN
62	DRAINAGE PROFILES AND TABULATIONS
63 - 65	TURF ESTABLISHMENT PLAN
66 - 73	SIGNING & STRIPING PLAN
74 - 75	LIGHTING PLAN
X1 - X12	CROSS SECTIONS

THIS PLAN CONTAINS 87 SHEETS

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



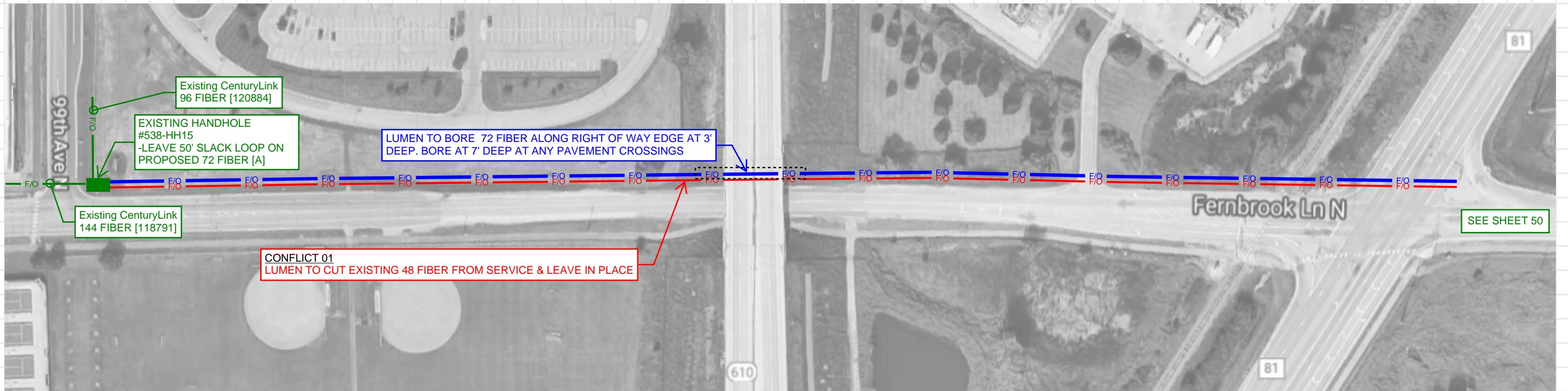
SIGNATURE: *Adam Jessen* TYPED OR PRINTED NAME: ADAM JESSEN, PE
 DESIGN ENGINEER: I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 DATE: 1/18/2021 LICENSE NUMBER 55431

APPROVED: CITY OF MAPLE GROVE ENGINEER DATE:

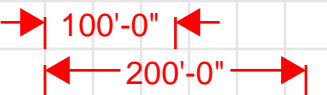
Legend

	EXISTING	REMOVE/ABANDON	PROPOSED
Existing Copper Cable			
Existing Fiber Cable			
Existing Overhead Wire			
Existing Pedestal			
Existing Manhole			
Existing Handhole			
Existing Pole			
Cross Box			

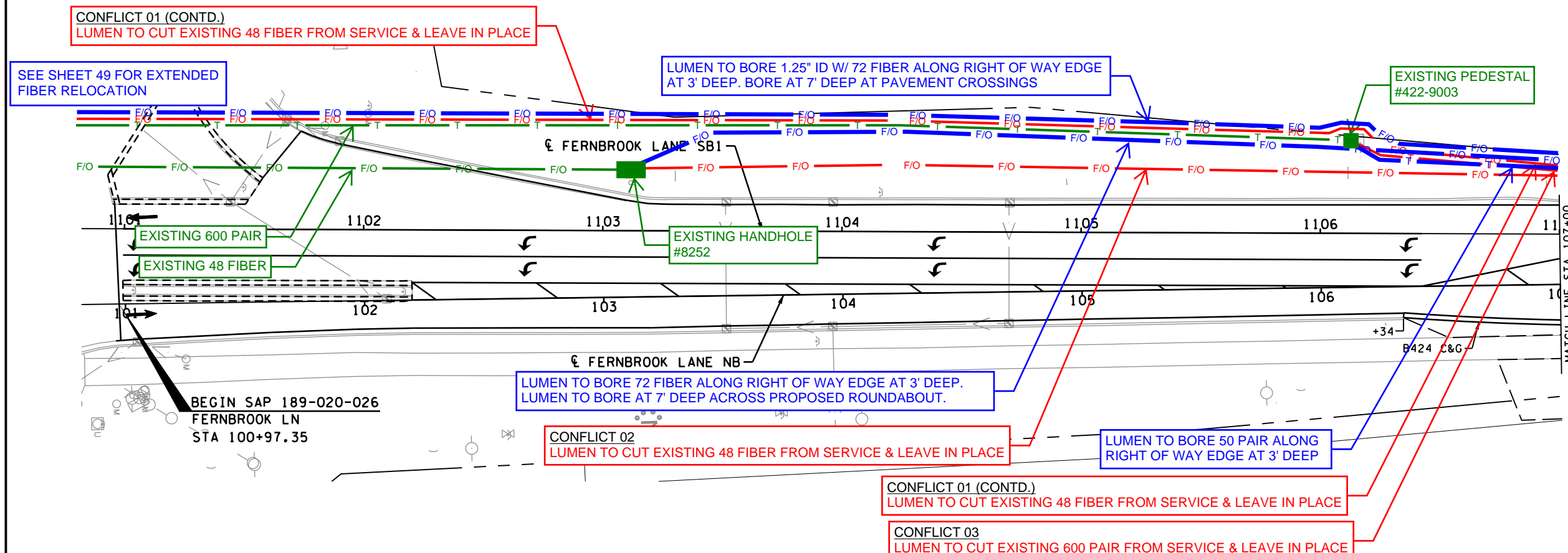
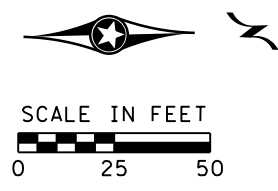
PLAN REVISIONS		
DATE	SHEET NO.	APPROVER



SCALE

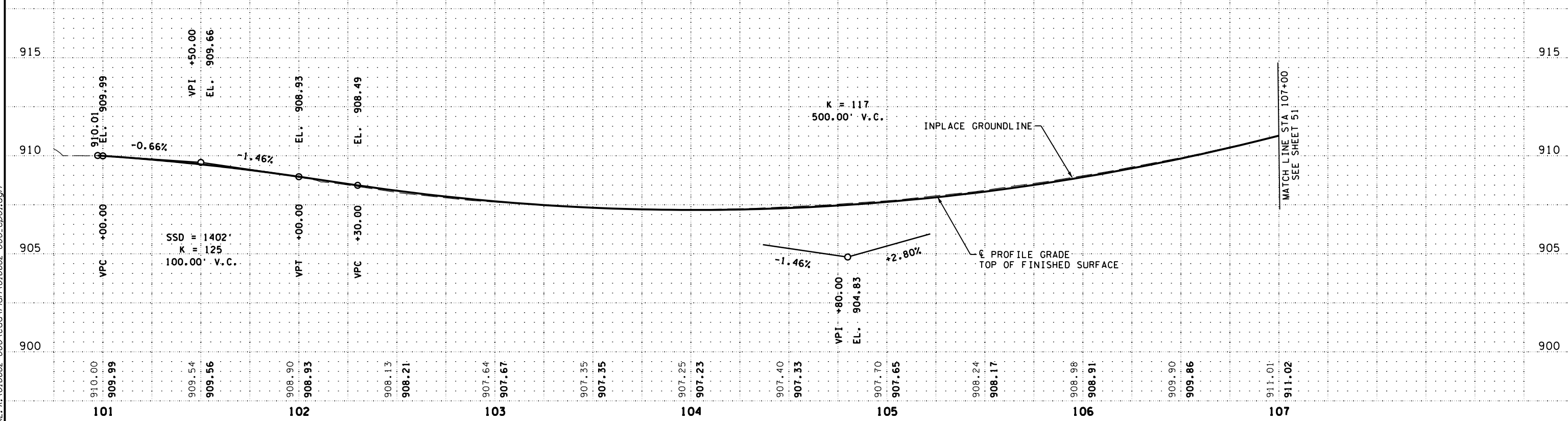


Fernbrook Lane



- ### LEGEND
- ① SIDEWALK PEDESTRIAN CURB RAMP
SEE STD PLANS & INTERSECTION DETAILS
 - ② CONSTRUCT CONCRETE MEDIAN NOSE PER STANDARD PLATE 7113A
 - ③ CONCRETE/BITUMINOUS ENTRANCES, SEE INTERSECTION DETAILS FOR TIE IN INFORMATION
 - ④ SEE SHEETS 56 TO 58 FOR ROUNDABOUT DETAILS
 - ⑤ TRANSITION CURB TO 0" (WITHIN 5')
- NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF BITUMINOUS UNLESS OTHERWISE NOTED.

Fernbrook Lane NB



DATE: 1/18/2021 11:45:45 AM
PATH & FILENAME: K:\016682-000\Cad\Plan\016682-000_cp01.dgn

NO.	DATE	BY	CHK	REVISIONS

Design By: ACJ
Plan By: BAC
Checked By: AJP
Approved By: ACJ

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.

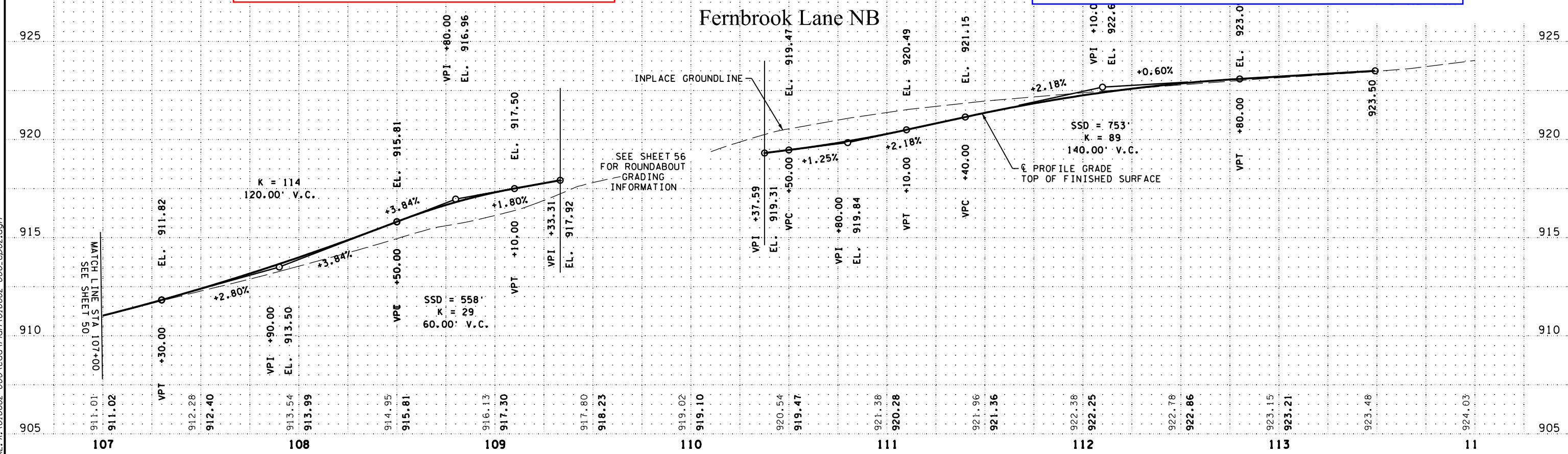
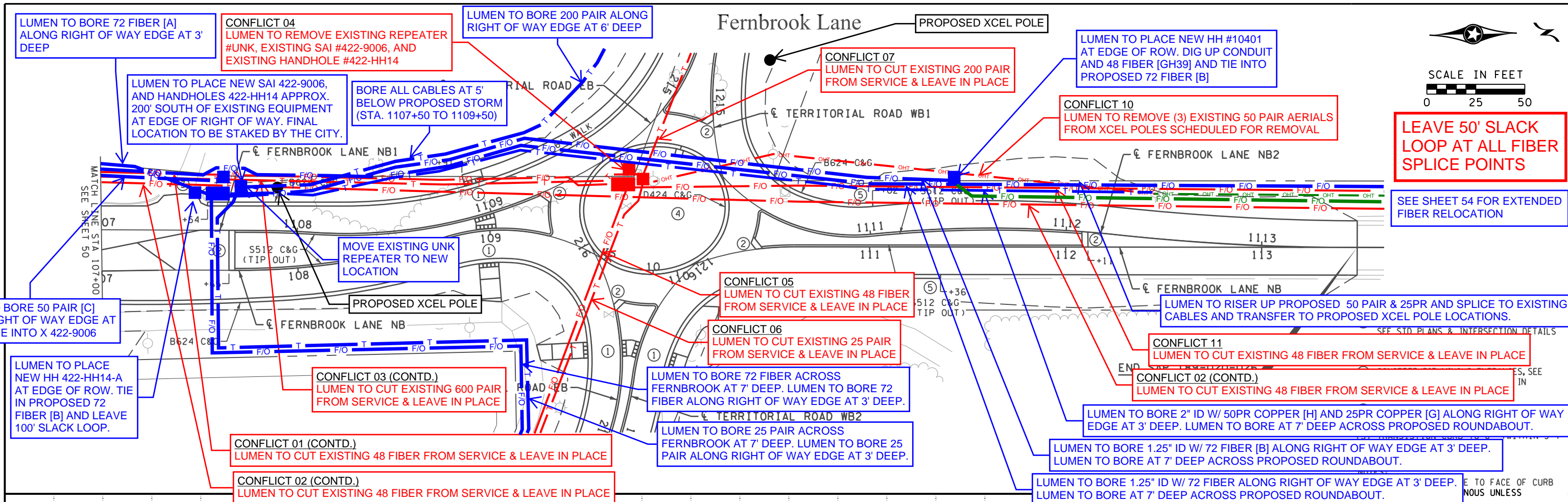
Adam Jessen
ADAM JESSEN, PE
LICENSE NO. 55431

DATE: 1/18/2021

Fernbrook Lane & Territorial Road
Maple Grove, Minnesota

MAPLE GROVE, MINNESOTA
FERNBROOK LANE
CONSTRUCTION PLAN & PROFILE
SAP 189-020-026

SHEET 50 OF 87 SHEETS



DATE: 1/18/2021 11:45:46 AM
 PATH & FILENAME: K:\016682-000\Cad\Plan\016682-000_cp02.dgn

NO.	DATE	BY	CHK	REVISIONS

Design By: ACJ
 Plan By: BAC
 Checked By: AJP
 Approved By: ACJ

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.

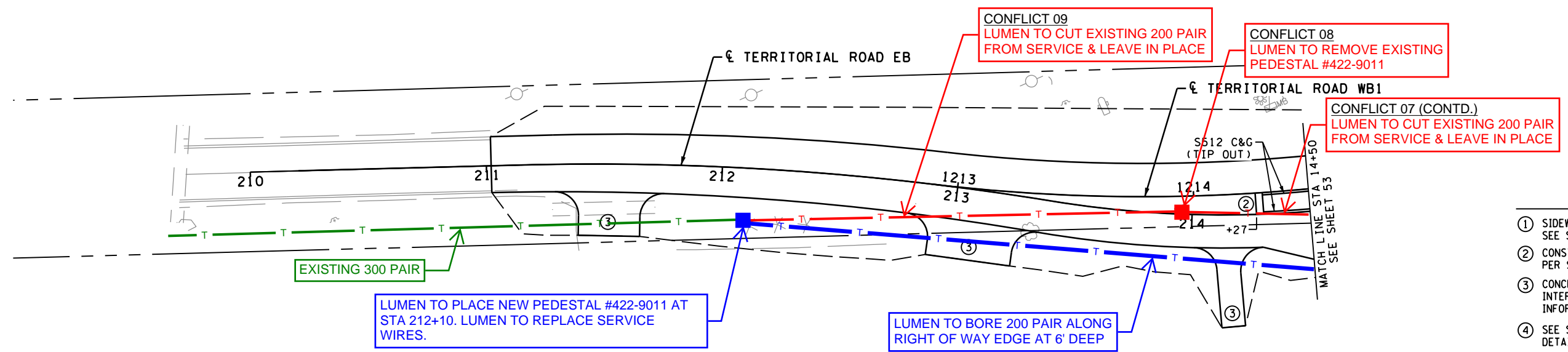
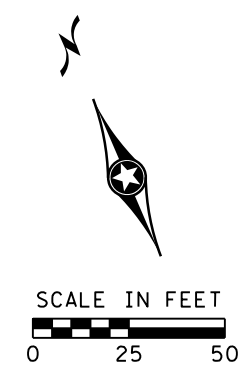
Adam Jessen
 ADAM JESSEN, PE
 DATE: 1/18/2021 LICENSE NO. 55431

Fernbrook Lane & Territorial Road
 Maple Grove, Minnesota

MAPLE GROVE, MINNESOTA
 FERNBROOK LANE
CONSTRUCTION PLAN & PROFILE
 SAP 189-020-026

SHEET
 51
 OF
 87
 SHEETS

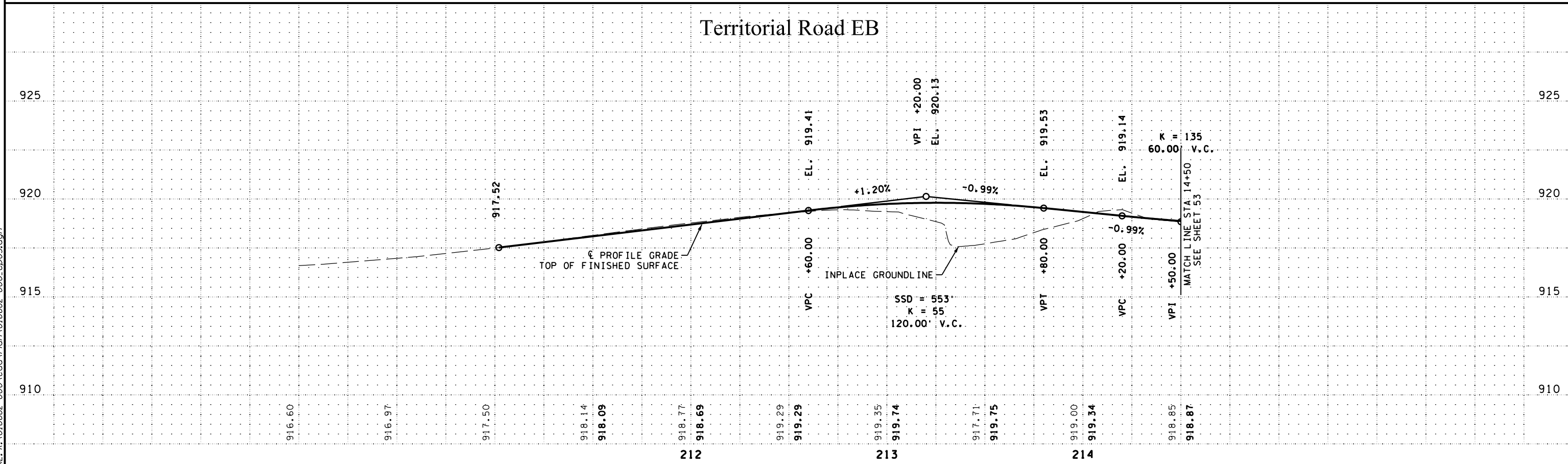
Territorial Road



- LEGEND**
- ① SIDEWALK PEDESTRIAN CURB RAMP
SEE STD PLANS & INTERSECTION DETAILS
 - ② CONSTRUCT CONCRETE MEDIAN NOSE
PER STANDARD PLATE 7113A
 - ③ CONCRETE/BITUMINOUS ENTRANCES, SEE
INTERSECTION DETAILS FOR TIE IN
INFORMATION
 - ④ SEE SHEETS 56 TO 58 FOR ROUNDABOUT
DETAILS
 - ⑤ TRANSITION CURB TO 0" (WITHIN 5')

NOTES:
1. ALL DIMENSIONS ARE TO FACE OF CURB
OR EDGE OF BITUMINOUS UNLESS
OTHERWISE NOTED.

Territorial Road EB



DATE: 1/18/2021 11:45:47 AM
PATH & FILENAME: K:\016682-000\Cad\Plan\016682-000_cp03.dgn

NO.	DATE	BY	CHK	REVISIONS

Design By: ACJ
Plan By: BAC
Checked By: AJP
Approved By: ACJ

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.

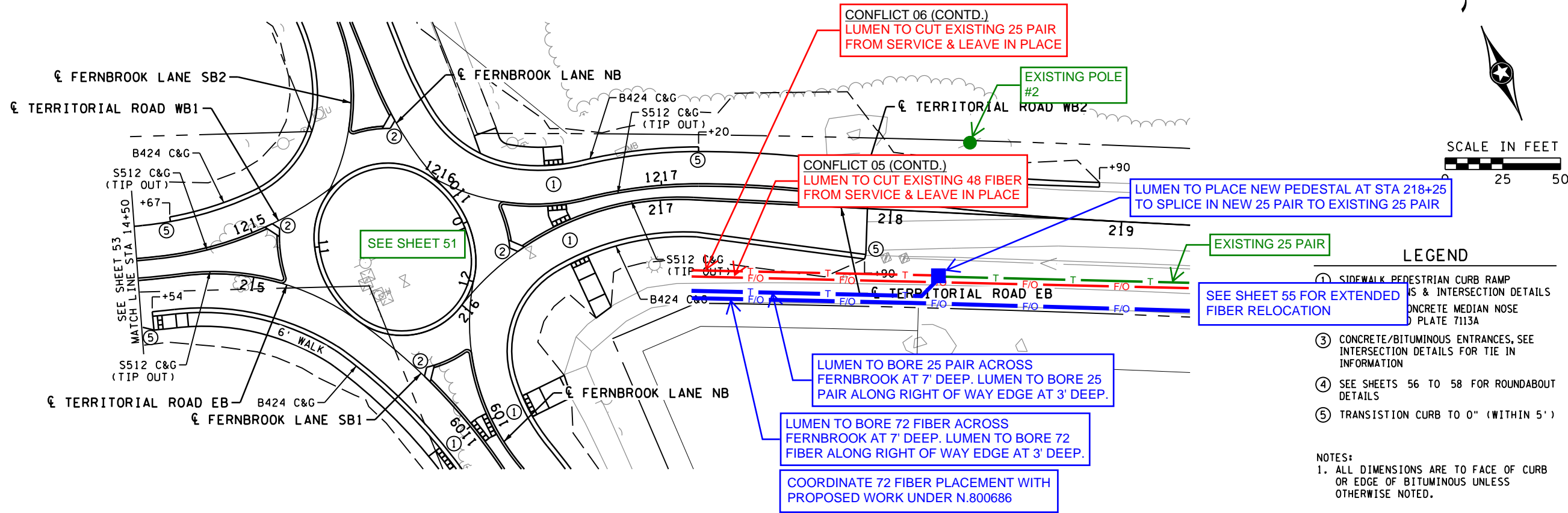
Adam Jessen
ADAM JESSEN, PE
DATE: 1/18/2021 LICENSE NO. 55431

Fernbrook Lane & Territorial Road
Maple Grove, Minnesota

MAPLE GROVE, MINNESOTA
TERRITORIAL ROAD
CONSTRUCTION PLAN & PROFILE
SAP 189-020-026

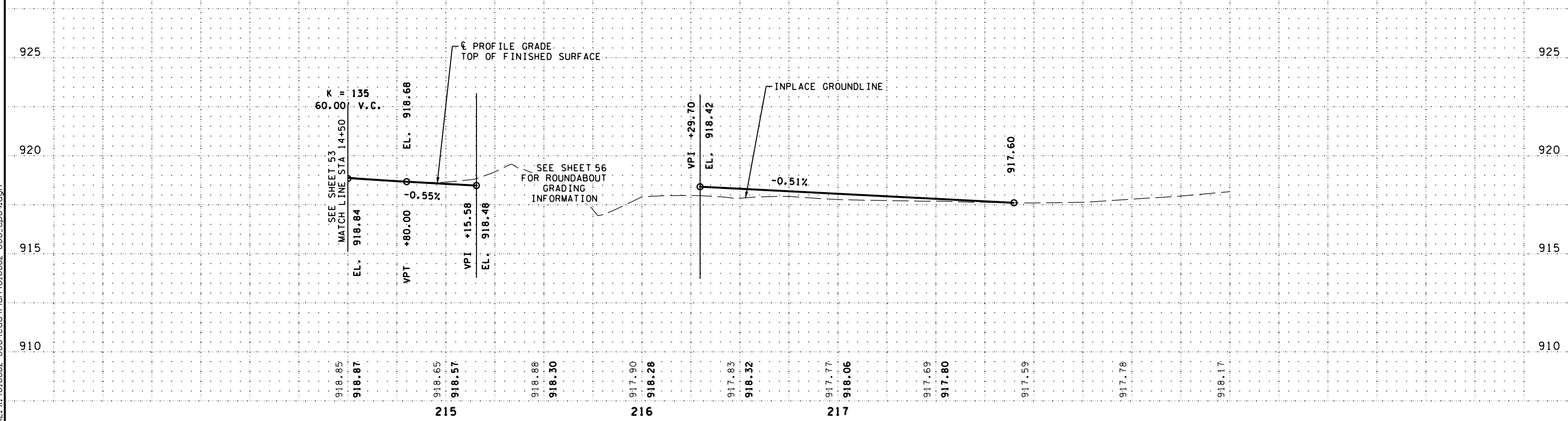
SHEET
52
OF
87
SHEETS

Territorial Road



- LEGEND**
- ① SIDEWALK PEDESTRIAN CURB RAMP
 - ② CONCRETE/BITUMINOUS ENTRANCES, SEE INTERSECTION DETAILS FOR TIE IN INFORMATION
 - ③ CONCRETE/BITUMINOUS ENTRANCES, SEE INTERSECTION DETAILS FOR TIE IN INFORMATION
 - ④ SEE SHEETS 56 TO 58 FOR ROUNDABOUT DETAILS
 - ⑤ TRANSITION CURB TO 0" (WITHIN 5')
- NOTES:**
 1. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF BITUMINOUS UNLESS OTHERWISE NOTED.

Territorial Road EB



DATE: 1/18/2021 11:45:47 AM
 PATH & FILENAME: K:\016682-000\Cad\Plan\016682-000_cp04.dgn

NO.	DATE	BY	CHK	REVISIONS

Design By: ACJ
 Plan By: BAC
 Checked By: AJP
 Approved By: ACJ

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.

Adam Jessen
 ADAM JESSEN, PE
 DATE: 1/18/2021 LICENSE NO. 55431

wsb

City of **Maple Grove**
 Maple Grove, Minnesota

Fernbrook Lane & Territorial Road
 Maple Grove, Minnesota

MAPLE GROVE, MINNESOTA
 TERRITORIAL ROAD
CONSTRUCTION PLAN & PROFILE
 SAP 189-020-026

SHEET
 53
 OF
 87
 SHEETS



LEAVE 50' SLACK LOOP AT ALL FIBER SPLICE POINTS

LUMEN TO BORE 1.25" ID W/ 72 FIBER ALONG RIGHT OF WAY EDGE AT 3' DEEP. LUMEN TO BORE AT 7' DEEP ACROSS PROPOSED ROUNDABOUT.

SEE SHEET 51

CONFLICT 11 (CONTD.)
LUMEN TO CUT EXISTING 48 FIBER FROM SERVICE & LEAVE IN PLACE

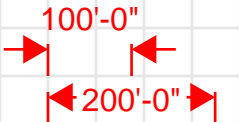
EXISTING HANDHOLE #311-HH05

EXISTING HANDHOLE #HH_8251B

EXISTING 1 WAY INNERDUCT (2) 48 FIBER

EXISTING 1 WAY INNERDUCT 48 FIBER

SCALE





SCALE

