



ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

763-324-3176

highwaypermits@co.anoka.mn.us

**RIGHT OF WAY
PERMIT NUMBER**

23-136

CSAH 32

CR

APPLICATION FOR PERMIT FOR INSTALLATION OF UTILITIES OR PLACING OBSTRUCTIONS ON THE COUNTY HIGHWAY SYSTEM
ALL APPLICANTS MUST BE REGISTERED PRIOR TO PERMIT APPROVAL

WORK TO START ON

WORK TO BE COMPLETED ON

DURATION OF JOB

ARE YOU BEING ASKED TO RELOCATE DUE TO A COUNTY PROJECT?

ANOKA COUNTY PROJECT NUMBER

APPLICANT NAME

CONTACT PERSON

ADDRESS

CITY

PHONE NUMBER

EMAIL

COMPANY OR INDIVIDUAL PERFORMING WORK

CONTACT PERSON

PHONE NUMBER

EMAIL

ADDRESS OF WORK SITE

CITY

NATURE OF WORK

METHOD OF INSTALLATION/CONSTRUCTION

SURFACE TO BE DISTURBED

SITE PLAN

WILL TRAFFIC BE OBSTRUCTED?

TRAFFIC CONTROL PLAN

DITCH

TO BE
SUBMITTED
VIA EMAIL

TO BE
SUBMITTED
VIA EMAIL

GRAVEL

BITUMINOUS

CONCRETE

NONE

DEPTH FROM SURFACE

SIZE AND KIND OF PIPE/CABLE

NUMBER OF EXCAVATIONS

SIZE OF EXCAVATIONS

LOCATION OF EXCAVATIONS

ADDITIONAL DOCUMENTS

TO BE SUBMITTED VIA EMAIL - CITY/MNDOT PERMITS, PHOTOS OF AREA, ETC.

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GENERAL INFORMATION	
ONE PERMIT MUST BE APPROVED FOR EACH COUNTY ROAD ON WHICH WORK WILL BE PERFORMED PRIOR TO ANY WORK WITHIN THE RIGHT OF WAY BY ANY UTILITY/CONTRACTOR. EMERGENCY CONDITIONS WHICH THREATEN THE SAFETY OF THE PUBLIC AND REQUIRE IMMEDIATE REPAIR ARE EXCEPTIONS TO THIS RULE. UNDER THOSE CIRCUMSTANCES, THE UTILITY/CONTRACTOR, IS PERMITTED TO BEGIN AND/OR COMPLETE THE NECESSARY REPAIRS. ACTD SHALL BE NOTIFIED OF EMERGENCY REPAIRS AS SOON AS FEASIBLE AND A WRITTEN PERMIT IS TO BE COMPLETED WITHIN TWO BUSINESS DAYS OF OCCURRENCE.	
A LICENSE-PERMIT BOND IS GENERALLY REQUIRED OF THE CONTRACTOR AS PART OF THE REGISTRATION PROCESS. THE AMOUNT OF WHICH WILL BE DETERMINED BY THE NATURE OF THE UTILITY WORK.	
A SKETCH OR DRAWING SHALL ACCOMPANY EACH PERMIT APPLICATION WHICH WILL SHOW THE LOCATION OF THE PROPOSED WORK/UTILITY WITH REFERENCE TO THE COUNTY HIGHWAY CENTER LINE AND RIGHT OF WAY LINE. A COMPLETE SET OF PLANS IS REQUIRED FOR ALL SEWER/WATER PROJECTS.	
IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO DETERMINE WHICH OF THE SPECIAL CONDITIONS APPLY TO EACH PERMIT.	
THE ANOKA COUNTY TRANSPORTATION DIVISION (ACTD) RESERVES THE RIGHT TO REVOKE ANY UTILITY PERMIT AND HALT WORK, IF, UPON INSPECTION OF ANY JOB SITE, THE SPECIAL CONDITIONS ARE NOT MET, AND/OR A HAZARD EXISTS FOR THE APPLICANT OR PUBLIC SAFETY IS THREATENED. THE FAILURE TO COMPLY WITH THE TERMS AND CONDITIONS OF ANY APPLICABLE FEDERAL, STATE, REGIONAL, AND LOCAL LAWS, RULES AND REGULATIONS, INCLUDING ANY PROVISION OF ANOKA COUNTY'S RIGHT-OF-WAY ORDINANCE SHALL BE CAUSE FOR IMMEDIATE REVOCATION OF A PERMIT.	
THE APPLICANT SHALL NOTIFY ACTD IMMEDIATELY UPON COMPLETION OF PROJECT SO THAT THE ACTD CAN INSPECT THE SITE TO DETERMINE WHETHER OR NOT RESTORATION HAS BEEN SATISFACTORILY COMPLETED.	
THE UNDERSIGNED, HEREBY ACCEPTS THE TERMS AND CONDITIONS OF THIS PERMIT AND THE REGULATIONS OF ANOKA COUNTY, AND AGREES TO FULLY COMPLY THEREWITH TO THE SATISFACTION OF THE ACTD. THE COUNTY OF ANOKA, ITS OFFICIALS, EMPLOYEES, AND AGENTS, SHALL BE HELD HARMLESS, BY THE APPLICANT/PERMITTEE, FROM ANY DEMANDS, CLAIMS, LAWSUITS, OR DAMAGES RELATING TO THE WORK DESCRIBED IN THIS PERMIT.	
APPLICANT'S SIGNATURE <i>Luke Bastil</i>	DATE

AUTHORIZATION OF PERMIT	
IN CONSIDERATION OF THE APPLICANT'S AGREEMENT TO COMPLY IN ALL RESPECTS WITH THE REGULATIONS OF THE ACTD COVERING SUCH OPERATIONS, PERMISSION IS HEREBY GRANTED FOR THE WORK TO BE DONE AS DESCRIBED IN THE ABOVE APPLICATION. SAID WORK TO BE DONE IN ACCORDANCE WITH THE GENERAL CONDITIONS LISTED ABOVE AND THE SPECIAL CONDITIONS REQUIRED AS HEREBY STATED. IT IS EXPRESSLY UNDERSTOOD THAT THIS PERMIT IS CONDITIONED UPON REPLACEMENT OR RESTORATION OF THE COUNTY HIGHWAY AND ITS RIGHT OF WAY TO THEIR ORIGINAL OR TO A SATISFACTORY CONDITION. IT IS FURTHER UNDERSTOOD THAT THIS PERMIT IS ISSUED SUBJECT TO THE APPROVAL OF LOCAL CITY OR TOWNSHIP AUTHORITIES HAVING JOINT SUPERVISION OVER SAID STREET OR HIGHWAY.	
APPROVED BY: <i>Susan Burgmeier</i> TITLE: <i>Associate Traffic Technician</i>	DATE <i>04/18/2023</i>

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SPECIAL CONDITIONS

TRAFFIC CONTROL

- 1) DETOURS
 - a) DETAILED DETOUR LAYOUTS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEER FOR APPROVAL.
 - b) NO DETOURS SHALL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ANOKA COUNTY TRAFFIC ENGINEER.
 - c) TEN DAYS NOTICE MUST BE GIVEN PRIOR TO THE INSTALLATION OF ANY DETOUR.
 - d) IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO NOTIFY ANOKA COUNTY CENTRAL COMMUNICATIONS, LOCAL GOVERNMENT BODIES, AND ANY AFFECTED BUS COMPANIES TEN DAYS PRIOR TO ANY ROAD CLOSURES/DETOURS.
 - e) IMMEDIATELY UPON COMPLETION OF WORK AND/OR DETOURS, ALL POSTS, BARRICADES, AND SIGNS SHALL BE REMOVED FROM THE RIGHT OF WAY.
- 2) TRAFFIC CONTROL DEVICES
 - a) ALL TRAFFIC CONTROL DEVICES, BARRICADES, FLASHERS, ETC., SHALL BE FURNISHED BY THE APPLICANT AND SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS – FIELD MANUAL OF THE SAME MANUAL.

CONSTRUCTION REQUIREMENTS

- 1) OPEN CUTTING OF BITUMINOUS OR CONCRETE SURFACED ROADS WILL BE ALLOWED ONLY AT THE DISCRETION OF THE COUNTY ENGINEER.
- 2) NEITHER SUPPLIES NOR EXCAVATION MATERIALS SHALL BE PLACED ON THE BITUMINOUS OR CONCRETE SURFACE AT ANY TIME.
- 3) NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
- 4) MATERIALS REMOVED FROM THE TRENCH SHALL BE USED AS BACKFILL INSOFAR AS THEY ARE SUITABLE. ALL BACKFILL MATERIAL SHALL CONFORM TO MNDOT SPECIFICATIONS FOR COMPACTION. THE USE OF HEAVY EQUIPMENT ON TOP OF TRENCH, SLAPPING WITH BACKHOE BUCKET AND/OR BACKCASTING TO ACHIEVE COMPACTION IS PROHIBITED. ANY ADDITIONAL MATERIAL REQUIRED TO BACK FILL TO THE ORIGINAL GRADE SHALL BE FURNISHED BY THE APPLICANT AT NO EXPENSE TO THE ACTD. ALL THE BASE AND SURFACE COURSES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN BEFORE OPERATIONS BEGAN. THE APPLICANT SHALL BE RESPONSIBLE FOR AND RESTORE ANY SETTLEMENT.
- 5) ALL CULVERTS, DITCHES, SHOULDERS, AND BACKSLOPES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE DIRECTED BY THE ACTD. SHOULDERS WHICH HAVE BEEN PREVIOUSLY CONSTRUCTED OR RECONSTRUCTED WITH SPECIAL MATERIALS SHALL BE REPLACED IN KIND. RESTORATION OF SIGNS, GUARDRAILS, GUARDPOSTS, ETC., ARE THE SOLE RESPONSIBILITY OF THE APPLICANT AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- 6) ALL ROADWAY MAINTENANCE REQUIRED WITHIN THE LIMITS OF THE UTILITY PROJECT THAT IS RELATED TO THE APPLICANT'S ACTIVITIES SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT FOR ONE YEAR AFTER COMPLETION OF THE PROJECT. UPON COMPLETION OF THE RESTORATION WORK, THE APPLICANT SHALL REQUEST A FINAL INSPECTION BY THE ACTD. THE ACTD'S APPROVED COMPLETION DATE SHALL BE THE STARTING DATE OF THE APPLICANT'S ONE YEAR RESPONSIBILITY.

HORIZONTAL BORING AND JACKING

- 1) ALL HARD SURFACE ROADWAYS SHALL BE JACKED OR BORED.
- 2) ALL CROSSINGS OF ANOKA COUNTY MAINTAINED ROADBEDS SHALL BE MADE BY BORING INSIDE A CASING OR CARRIER PIPE, OR BY JACKING UNLESS OTHERWISE DIRECTED BY THE ANOKA COUNTY ENGINEER. THE AUGER SHALL LAD THE CASING OR CARRIER PIPE BY AT LEAST SIX INCHES WHENEVER POSSIBLE AND NEVER LEAD THE CARRIER PIPE BY MORE THAN ONE INCH.
- 3) THE USE OF PNEUMATIC DEVICES TO FACILITATE THE ROADBED CROSSINGS WILL BE ALLOWED IN MOST CASES WITH PRIOR APPROVAL. IN THE EVENT APPROVAL IS NOT GRANTED AND APPLICANT USES A PNEUMATIC DEVICE TO CROSS A ROADBED AND ENCOUNTERS AN OBSTRUCTION AND/OR UNSTABLE SUBBASE MATERIAL WHICH MAKES FORWARD OR REVERSE MOTION OF PNEUMATIC DEVICE IMPOSSIBLE, SAID PNEUMATIC DEVICE THEN BECOMES PART OF THE ROADWAY SUBBASE AND PERMISSION TO EXCAVATE TO RETRIEVE DEVICE WILL NOT BE GRANTED.
- 4) IF A PNEUMATIC DEVICE IS USED FOR THE WORK PERMITTED HEREIN, THE INSTALLATION MUST BE KEPT TO A MINIMUM OF FOUR FEET BELOW THE SURFACE OF THE ROADWAY IF THE PNEUMATIC DEVICE IS LESS THAN TWO INCHES IN DIAMETER, AND A MINIMUM OF FIVE FEET BELOW THE SURFACE OF THE ROADWAY IF THE PNEUMATIC DEVICE IS TWO INCHES IN DIAMETER OR LARGER.

BITUMINOUS RESTORATION

- 1) THE LOCATIONS AND DIMENSIONS OF ALL OPENINGS TO BE MADE IN THE BITUNINOUS SUFACE SHALL BE APPROVED BY THE ACTD PRIOR TO ANY CUTTING OR ANY SURFACE OPENING OPERATIONS.
- 2) ALL OPENINGS IN BITUMINOUS SURFACES SHALL BE CUT IN A STRAIGHT LINE WITH THE SIDES SMOOTH AND VERTICAL. NO RAGGED EDGES WILL BE PERMITTED. CUTTING SHALL BE DONE WITH A CONCRETE SAW.
- 3) ALL NECESSARY DUST CONTROL OPERATIONS SHALL BE CARRIED OUT BY THE APPLICANT AT NO EXPENSE TO ANOKA COUNTY.
- 4) THE MINIMUM REQUIREMENT FOR SUBGRADE REPLACEMENT SHALL BE THE UPPER TWELVE INCHES OF MATERIAL AND SHALL MEET MNDOT SPECIFICATIONS FOR CLASS FIVE PLACED IN SIX INCH LAYERS COMPACTED TO ONE HUNDRED PERCENT OF OPTIMUM DENSITY.
- 5) ALL MANHOLE CASINGS, GATE VALVES, AND OTHER UTILITY STRUCTURES SHALL BE SET ONE QUARTER INCH BELOW THE TOP OF THE FINISHED SURFACE.
- 6) BITUMINOUS TACK COAT MATERIALS AND APPLICATION THEREOF SHALL CONFORM TO MNDOT SPECIFICATION 2357.
- 7) ALL BITUMINOUS SURFACING SHALL BE REPLACED AS SOON AS PRACTICAL AFTER THE BASE CONSTRUCTION. ALL BITUMINOUS SURFACING SHALL BE MACHINE LAID. ANY EXCEPTIONS MUST BE APPROVED BY THE ACTD. BITUMINOUS SURFACING SHALL BE REPLACED TO ORIGINAL PAVEMENT DEPTH OR TO A MINIMUM OF SIX INCHES OF BITUMINOUS MIXTURE (2360), WHICHEVER IS GREATER. BITUMINOUS MIXTURES MUST BE PLACED IN LIFTS NOT EXCEEDING THREE INCHES IN THICKNESS FOR BASE AND BINDER COURSES AND NOT EXCEEDING TWO INCHES FOR THE WEAR COURSE.
- 8) ALL SURFACE RESTORATION REGARDLESS OF SIZE SHALL CONFORM TO EXISTING GRADES.
- 9) ANY UNNECESSARY OR NEGLIGENT DAMAGE TO BITUMINOUS SURFACE IN CONJUNCTION WITH THE INSTALLATION AND/OR REPAIR OF A UTILITY SHALL BE CUT OUT AND REPLACED IN KIND AS DIRECTED BY THE ACTD.

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CONCRETE RESTORATION

- 1) CURB AND GUTTER, SIDEWALKS, AND DRIVEWAYS SHALL BE RESTORED IN ACCORDANCE WITH MNDOT SPECIFICATIONS 2531 AND 2521.

UTILITY LINES

- 1) THERE SHALL BE ONLY A SINGLE POLE LINE ON THE COUNTY RIGHT OF WAY ON EITHER SIDE OF THE CENTER LINE THEREOF.
- 2) EXACT LOCATIONS OF LONGITUDINAL INSTALLATIONS ON COUNTY HIGHWAYS SHALL BE LOCATED AS DIRECTED BY THE ACTD.

SECTION CORNER MONUMENTS

- 1) UTILITY LOCATIONS SHALL NOT INTERFERE WITH THE LOCATION OF ANY SECTION, QUARTER, WITNESS, OR RIGHT OF WAY MONUMENTS. FOR ASSISTANCE IN LOCATIONS, CONTACT THE ANOKA COUNTY SURVEYOR'S OFFICE.
- 2) THE APPLICANT SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING PROPERTY IRONS DISTURBED DURING CONSTRUCTION.
- 3) THE APPLICANT SHALL NOTIFY THE ANOKA COUNTY SURVEYOR'S OFFICE THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED DISTURBANCE OF ANY SECTION, QUARTER, WITNESS, OR RIGHT OF WAY MONUMENTS.
- 4) ANY MONUMENT DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE RESET BY THE ANOKA COUNTY SURVEYOR'S OFFICE AT THE EXPENSE OF THE APPLICANT.

ATTACHING TO BRIDGES/STRUCTURES

- 1) NO UTILITY IS PERMITTED TO BE HUNG FROM, OR OTHERWISE ATTACHED TO ANY BRIDGE OR STRUCTURE WITHOUT HAVING DETAILED PLANS APPROVED BY THE ANOKA COUNTY ENGINEER. THESE PLANS ARE TO SHOW APPROACHES TO THE STRUCTURE, METHOD OF INSTALLATION, TYPE, AND DIMENSION OF HOUSING FOR THE UTILITY.

INITIAL

Special Conditions for Advance Notification for Commencement and Completion of Work

Permit Holder: Permit Number: **23-136**
Contractor Contact: CSAH/CR:
Permit Active: Permit Expire:

All subcontractors, installers, and crew shall possess a copy of all documents in relation to the approved permit prior to the commencement of work and be kept on site. This includes, but it not limited to the following:

- Approved Permit
- Notification Sheet
- Any/all traffic control layouts/plans

Special Conditions

- Shall notify Andrea Schmid at 763-324-3128 or andrea.schmid@co.anoka.mn.us
 - At least 36 hours prior to the commencement of work
 - When there is any change to traffic control set up (ex: stage 1 to stage 2)
 - When work is complete – including restorations
- No work during inclement weather or when plows are out in any capacity
- No parking/work on the sidewalk or trail without prior authorization from the city

Engineering Comments

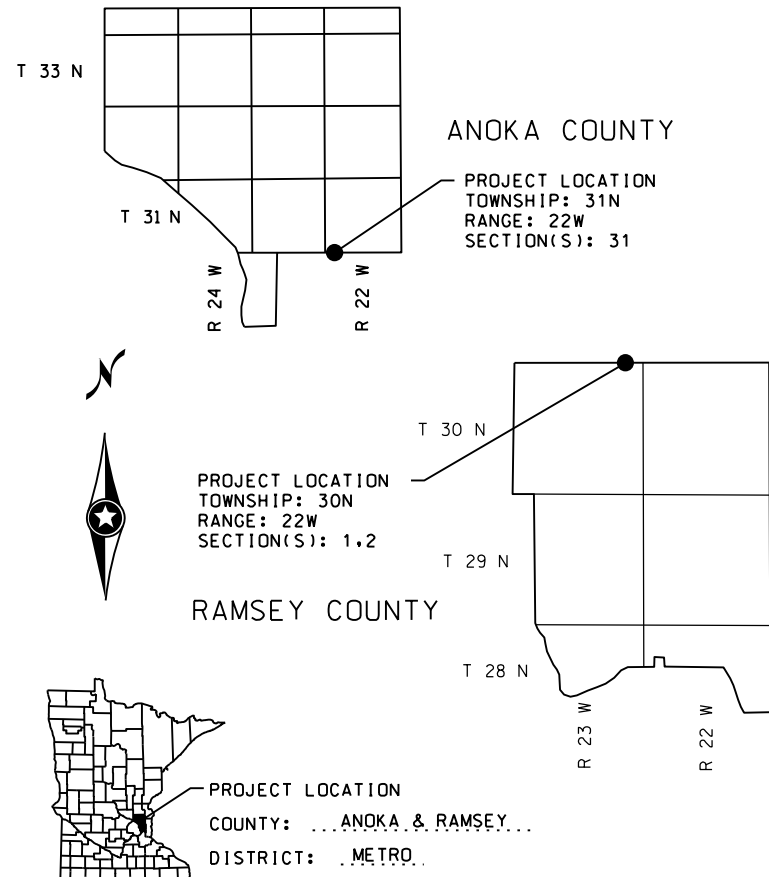
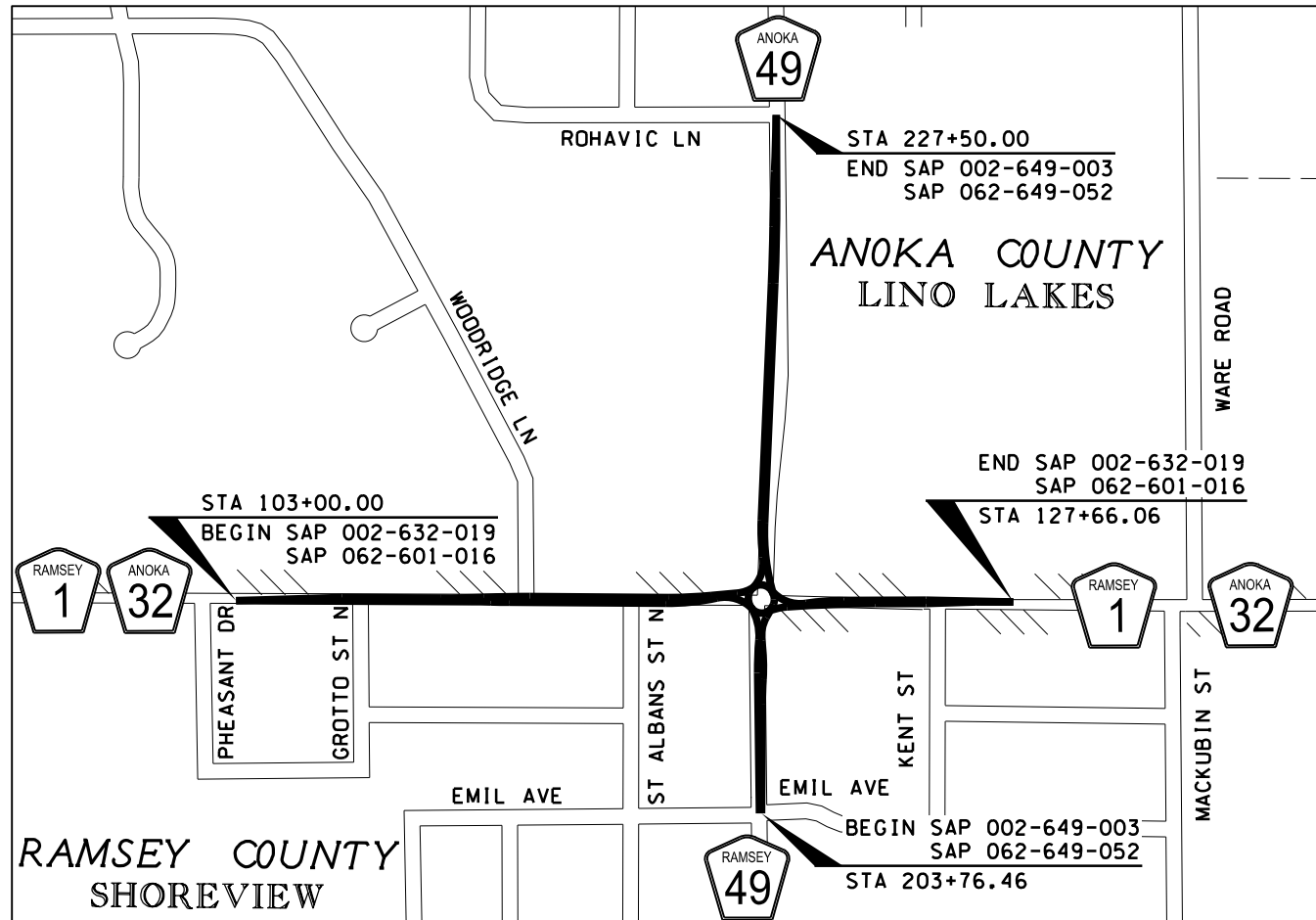
Comcast relocation and removals shown on Drainage Plan pages.
Prepared by:

Luke Bastil
Construction Specialist
luke_bastil@comcast.com
651-262-6600

MINNESOTA DEPARTMENT OF TRANSPORTATION NOKA COUNTY | RAMSEY COUNTY

ROAD ROUNDABOUT, GRADING, CONCRETE AND BITUMINOUS SURFACING, DRAINAGE, LIGHTING, AND ADA IMPROVEMENTS

LOCATED ON CSAH 32 (COUNTY RD J) FROM 330' WEST OF GROTTO ST N TO 250' EAST OF KENT ST
LOCATED ON CSAH 49 (HODGSON RD) FROM EMIL AVE TO 100' NORTH OF ROHAVIC LN



GOVERNING SPECIFICATIONS
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.
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.

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X1 - X25	CROSS SECTIONS

THIS PLAN CONTAINS 184 SHEETS.

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



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.

PRINTED NAME: ANDREW J. PLOWMAN, PE
LICENSE NO. 44200

APPROVED: ANOKA COUNTY ENGINEER

APPROVED: RAMSEY COUNTY ENGINEER

APPROVED: LINO LAKES CITY ENGINEER

APPROVED: SHOREVIEW CITY ENGINEER

DISTRICT STATE AID ENGINEER:
REVIEWED FOR COMPLIANCE WITH
STATE AID RULES/POLICY

STATE AID ENGINEER:
APPROVED FOR STATE AID FUNDING

SAP 002-632-019, SAP 002-649-003, SAP 062-601-016,
SAP 062-649-052 SHEET NO. 1 OF 159 SHEETS

DESIGN DESIGNATION	CSAH 49	Ramsey Co. CSAH 1	Anoka Co. CSAH 32
	SAP 002-649-003	SAP 002-632-019	SAP 062-601-016
	SAP 062-649-052		

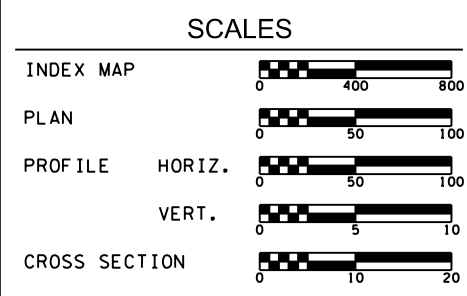
GROSS LENGTH	2373.54' = 0.450 MILES	2466.06' = 0.467 MILES
BRIDGES-LENGTH	NA	NA
EXCEPTIONS-LENGTH	NA	NA
NET LENGTH	2373.54' = 0.450 MILES	2466.06' = 0.467 MILES

NOTE: LENGTH BASED ON NORTHBOUND AND SOUTHBOUND ALIGNMENTS.

R VALUE	30	30
ADT (Current Year) 2023	10,300	10,700
ADT (Future Year) 2043	12,900	13,300
D (DIRECTIONAL DISTR.)	50/50	50/50
HEAVY COMMERCIAL	4.36%	4.39%
ESALS	1,493,000	1,555,000
DESIGN SPEED	45-50 MPH	35 MPH
BASED ON SIGHT DISTANCE	STOPPING	STOPPING
HEIGHT OF EYE / HEIGHT OF OBJECT	3.5' / 2.0'	3.5' / 2.0'
FUNCTIONAL CLASS	A MINOR EXPANDER	A MINOR EXPANDER
NO. OF TRAFFIC LANES	2 - 12'	2 - 12'
NO. OF PARKING LANES	0	0
SHOULDER WIDTH	4' - 6'	4' - 6'
TON DESIGN	10	10
DESIGN SPEED NOT ACHIEVED AT	ROUNDBOUT	ROUNDBOUT

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

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY



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

PRINTED NAME: _____
LICENSE NO. _____
















**DRAFT 95% PLAN
PRELIMINARY
NOT FOR CONSTRUCTION**

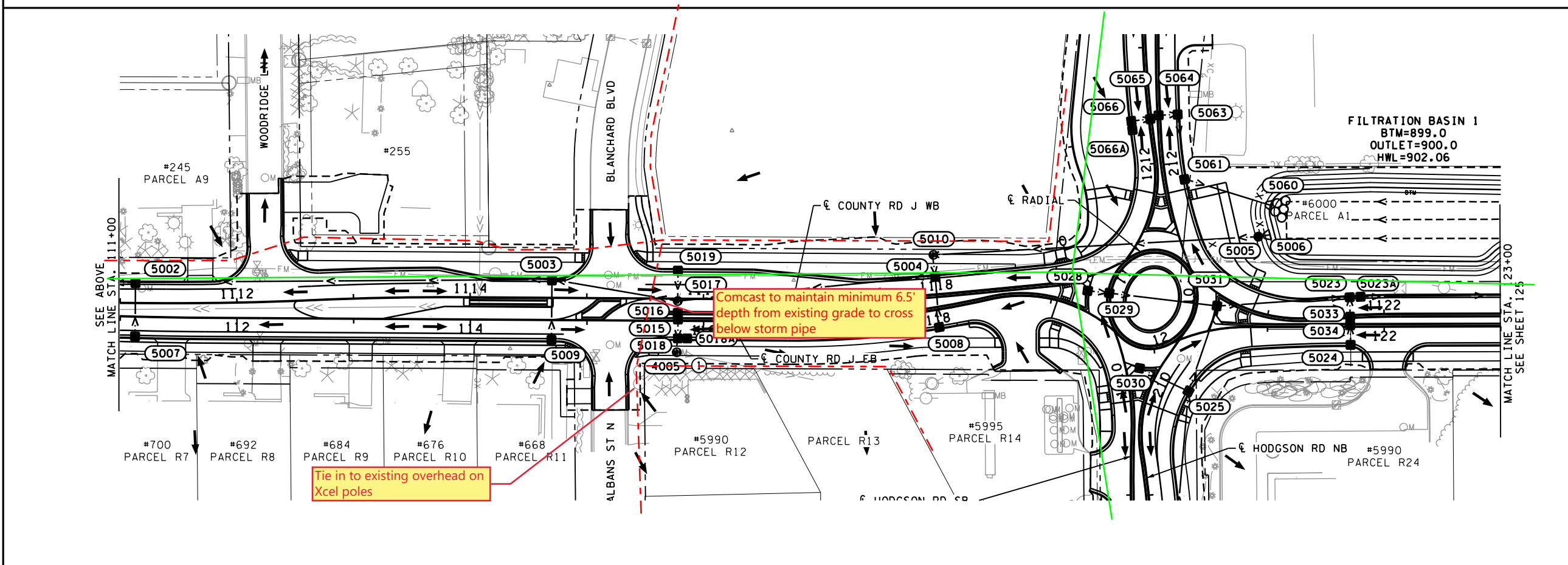
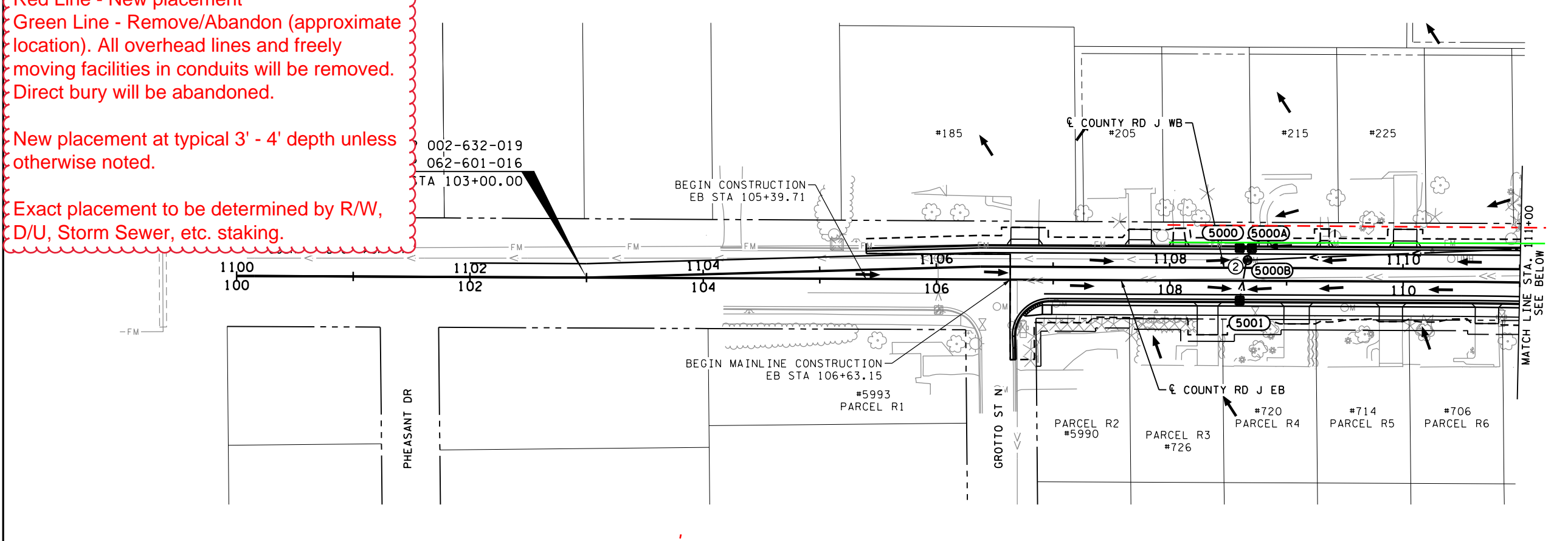
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Red Line - New placement
 Green Line - Remove/Abandon (approximate location). All overhead lines and freely moving facilities in conduits will be removed. Direct bury will be abandoned.
 New placement at typical 3' - 4' depth unless otherwise noted.
 Exact placement to be determined by R/W, D/U, Storm Sewer, etc. staking.

LEGEND

-  GUIDE POST TYPE B
-  RANDOM RIPRAP
-  CATCH BASIN
-  MANHOLE
-  DROP INLET
-  APRON
-  STRUCTURE
-  SURFACE FLOW DIRECTION
-  CONNECT TO EXISTING DRAINAGE STRUCTURE
-  CONNECT TO EXISTING STORM SEWER
-  STORM SEWER PIPE
-  INPLACE STORM SEWER
-  INPLACE CULVERT
-  CONSTRUCTION LIMITS
-  AREA OF ENVIRONMENTAL SENSITIVITY



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NO.	DATE	BY	CHK	REVISIONS

Design By: GFT
 Plan By: GFT
 Checked By: LGR
 Approved By: EAE

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.

PRINT NAME: EARTH A. EVANS, PE
 DATE: 10/11/2022 LICENSE #: 44235



**CSAH 49 at Ramsey County
 CSAH 1 / Anoka County CSAH 32
 Intersection Improvements**

ANOKA & RAMSEY COUNTY, MN

EB STA 103+00.00 TO EB STA 123+00

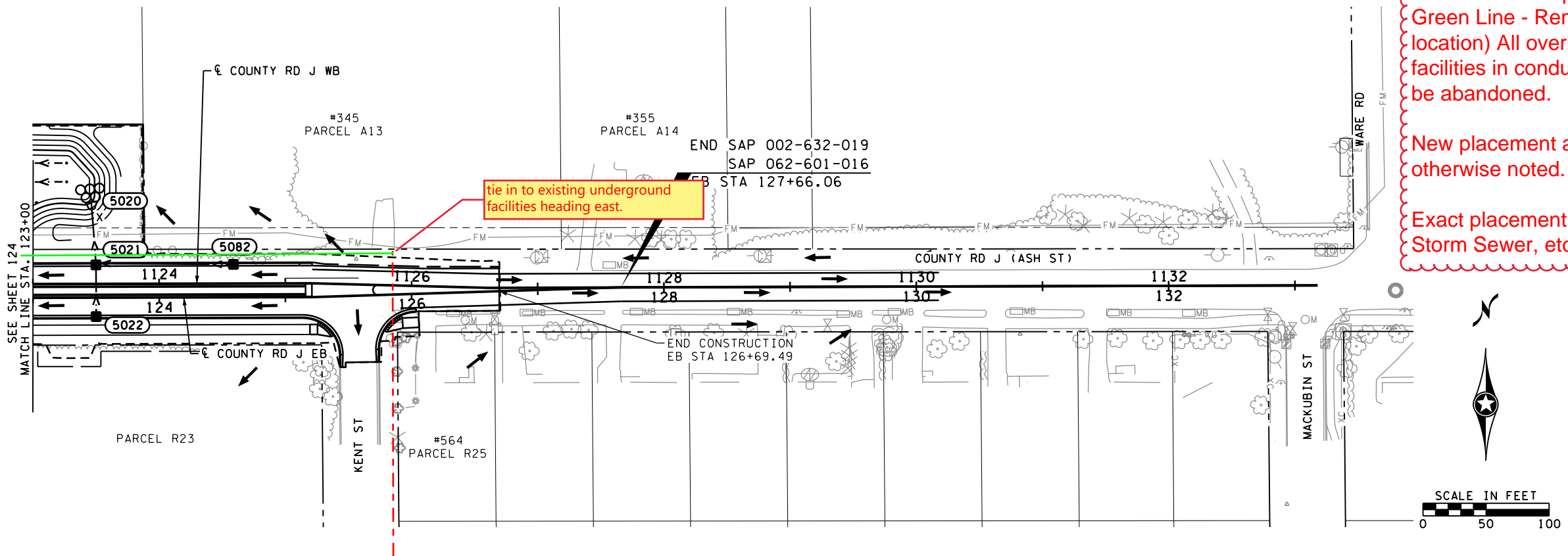
DRAINAGE PLAN

SAP 002-632-019, SAP 002-649-003, SAP 062-601-016, SAP 062-649-052

SHEET **124** OF **159** SHEETS

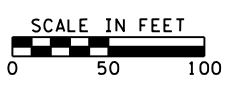
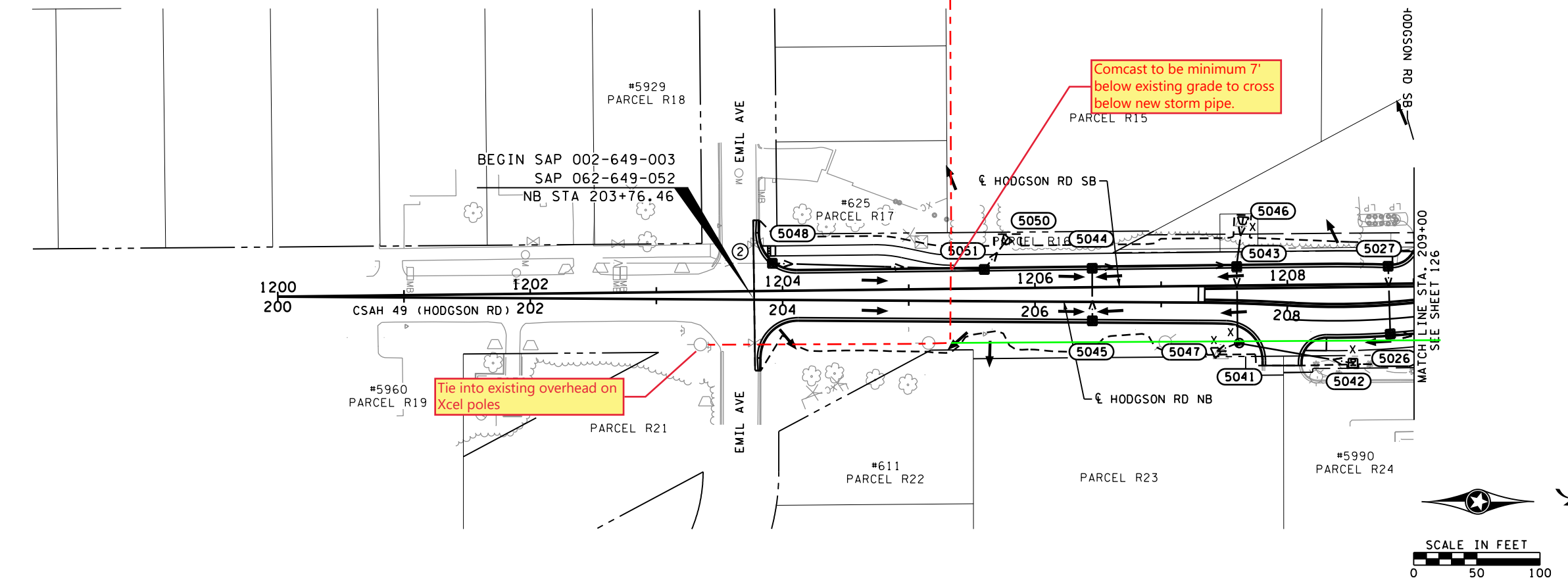
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Red Line - New placement
 Green Line - Remove/ Abandon (approximate location) All overhead lines and freely moving facilities in conduits will be removed. Direct bury will be abandoned.
 New placement at typical 3' - 4' depth unless otherwise noted.
 Exact placement to be determined by R/W, D/U, Storm Sewer, etc. staking.

AREA OF ENVIRONMENTAL SENSITIVITY



NO.	DATE	BY	CHK	REVISIONS

Design By: GFT
 Plan By: GFT
 Checked By: LGR
 Approved By: EAE

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.

PRINT NAME: EARTH A. EVANS, PE
 DATE: 10/11/2022 LICENSE #: 44235



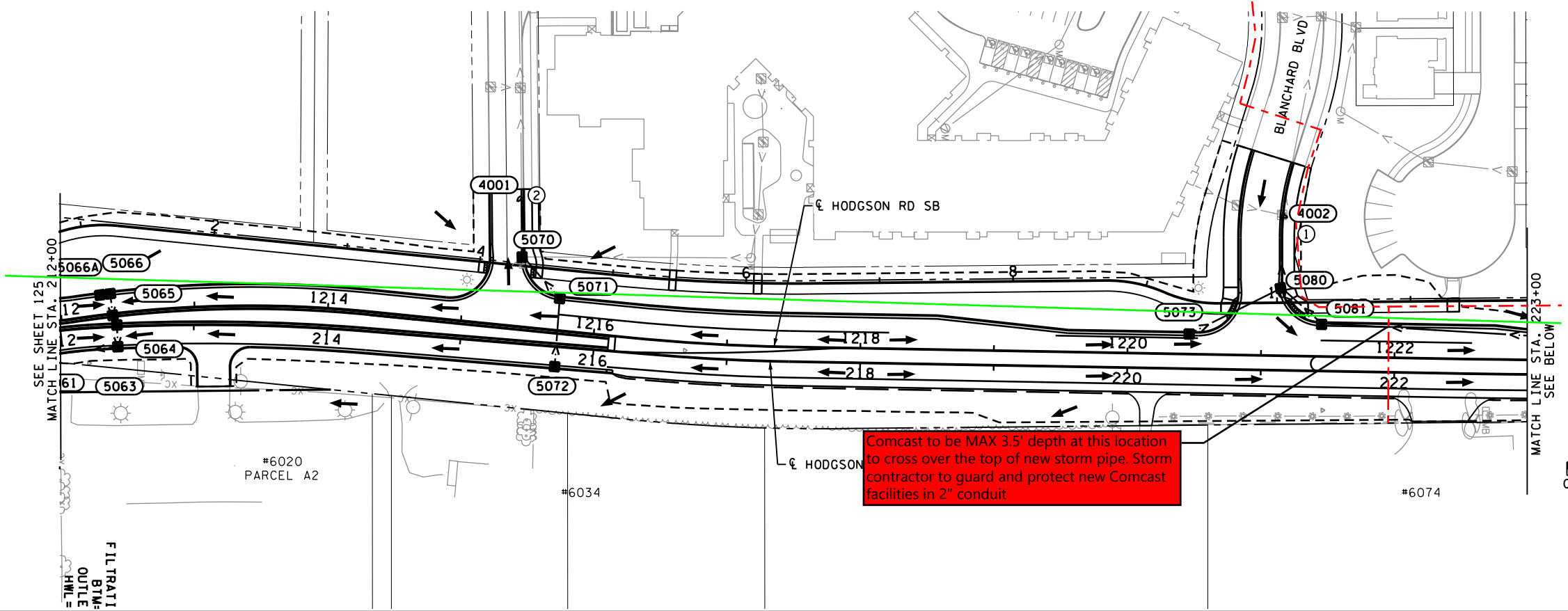
CSAH 49 at Ramsey County
 CSAH 1 / Anoka County CSAH 32
 Intersection Improvements

ANOKA & RAMSEY COUNTY, MN

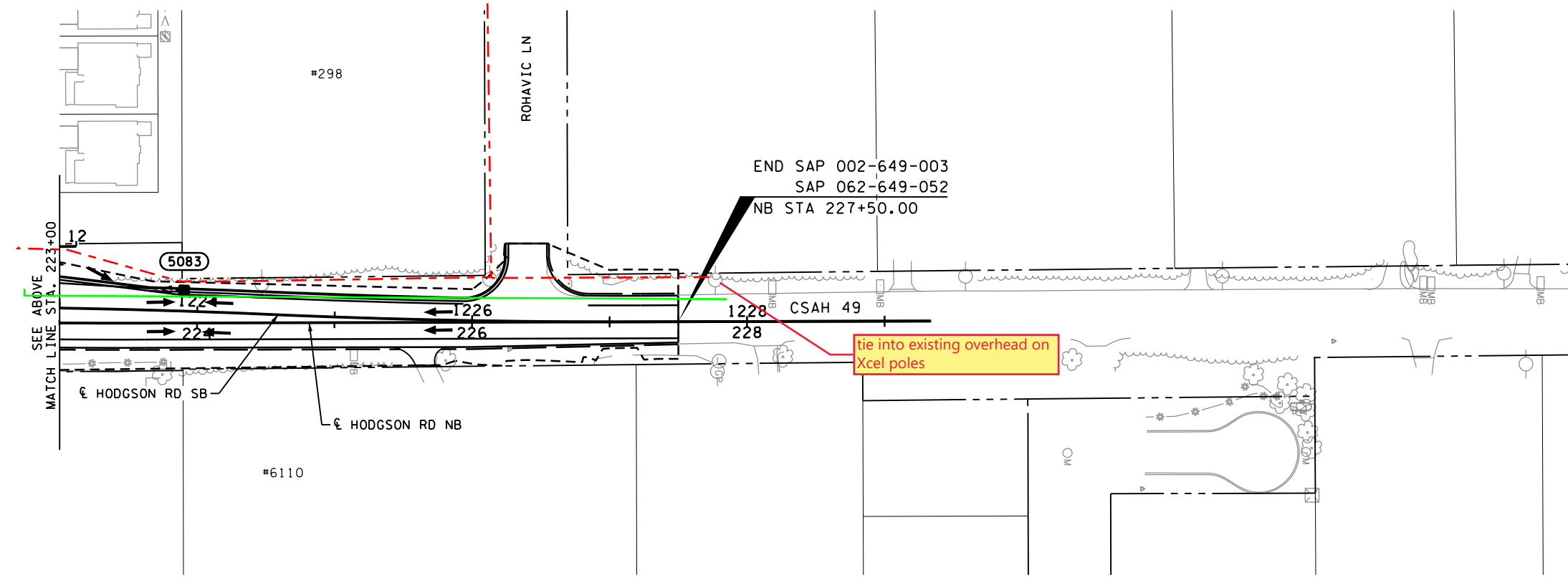
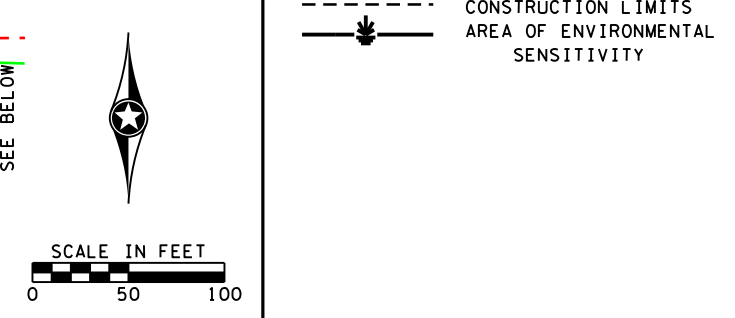
EB STA 123+00 TO EB STA 127+66.06
 NB STA 203+76.46 TO NB STA 209+00
DRAINAGE PLAN
 SAP 002-632-019, SAP 002-649-003, SAP 062-601-016, SAP 062-649-052

SHEET
 125
 OF
 159
 SHEETS

Red Line - New placement
 Green Line - Remove/ Abandon (approximate location) All overhead lines and freely moving facilities in conduits will be removed. Direct bury will be abandoned.
 New placement at typical 3' - 4' depth unless otherwise noted.
 Exact placement to be determined by R/W, D/U, Storm Sewer, etc. staking.



Comcast to be MAX 3.5' depth at this location to cross over the top of new storm pipe. Storm contractor to guard and protect new Comcast facilities in 2" conduit



tie into existing overhead on Xcel poles

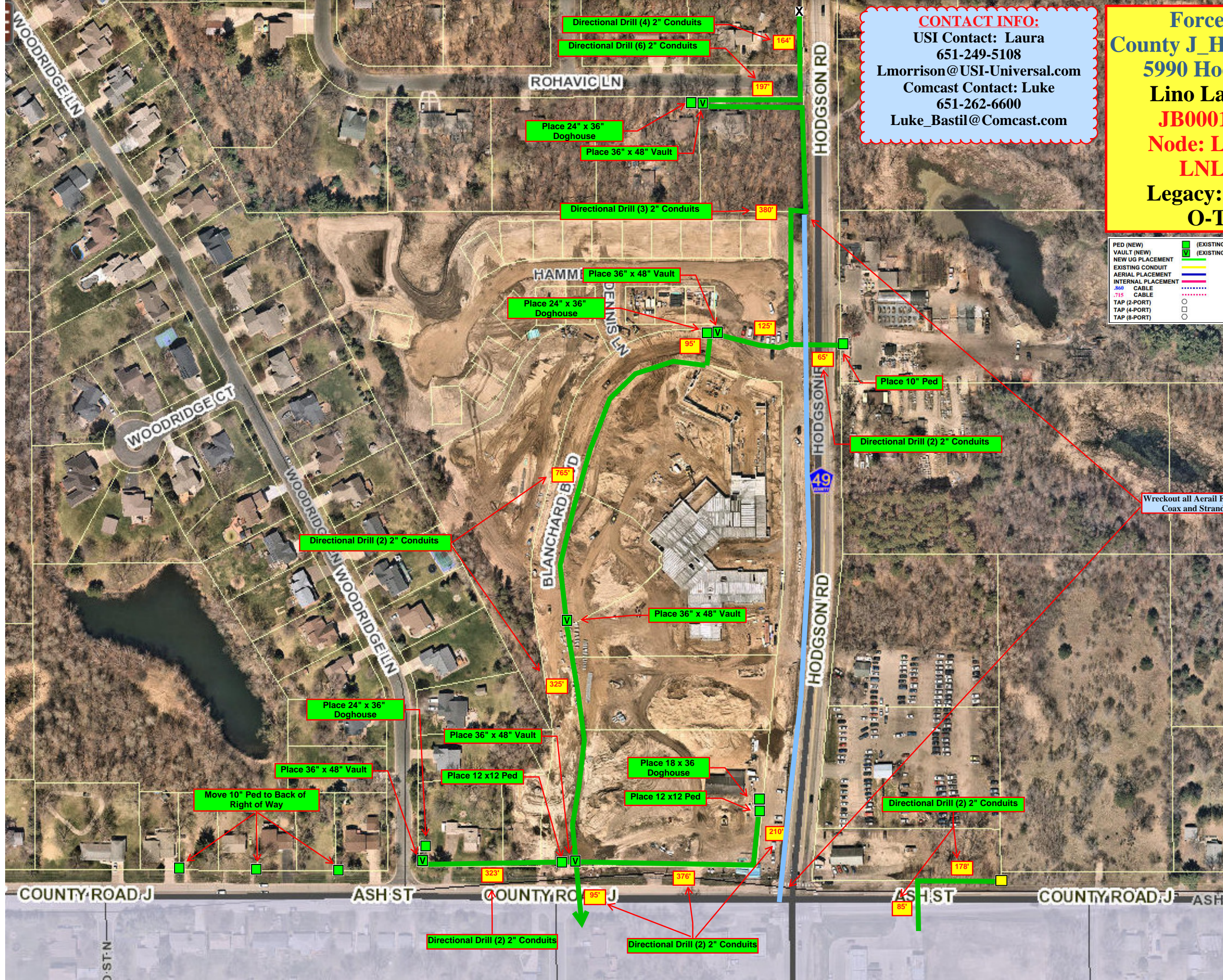
NO.	DATE	BY	CHK	REVISIONS

Design By: GFT
 Plan By: GFT
 Checked By: LGR
 Approved By: EAE

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CSAH 49 at Ramsey County
 CSAH 1 / Anoka County CSAH 32
 Intersection Improvements



CONTACT INFO:
 USI Contact: Laura
 651-249-5108
 Lmorrison@USI-Universal.com
 Comcast Contact: Luke
 651-262-6600
 Luke_Bastil@Comcast.com

Forced Relo
County J_Hodgson RAB
 5990 Hodgson Rd
 Lino Lakes, MN
 JB0001316062
 Node: LNLK073
 LNLK071
 Legacy: O-T20-3
 O-T20-1

PED (NEW)	(EXISTING)	UTILITY POLE	LOCK BOX
VAULT (NEW)	(EXISTING)	JUNCTION BOX	JUNCTION BOX
NEW UG PLACEMENT		UTILITY, MECHANICAL,	UTILITY, MECHANICAL,
EXISTING CONDUIT		DATA ROOM	DATA ROOM
AERIAL PLACEMENT		FOOTAGE	FOOTAGE
INTERNAL PLACEMENT		SPLICE CASE	SPLICE CASE
.868 CABLE		FIBER PANEL	FIBER PANEL
.715 CABLE		BUILDING ADDRESS	BUILDING ADDRESS
TAP (2-PORT)			
TAP (4-PORT)			
TAP (8-PORT)			

Wreckout all Aerial Fiber,
Coax and Strand