

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE 2018 EDITION OF THE "MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MMUTCD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	TREE REMOVALS: 159TH AVE AND OTHERS

THIS PLAN CONTAINS 3 SHEETS

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

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.

SIGNED: *Thomas P. Collins*
THOMAS P. COLLINS

DATE: 02/18/2021 REG. NO. 26471

APPROVED: *Thomas P. Collins* 02/18/2021
CITY OF HAM LAKE ENGINEER DATE

RFC ENGINEERING, INC.
Consulting Engineers

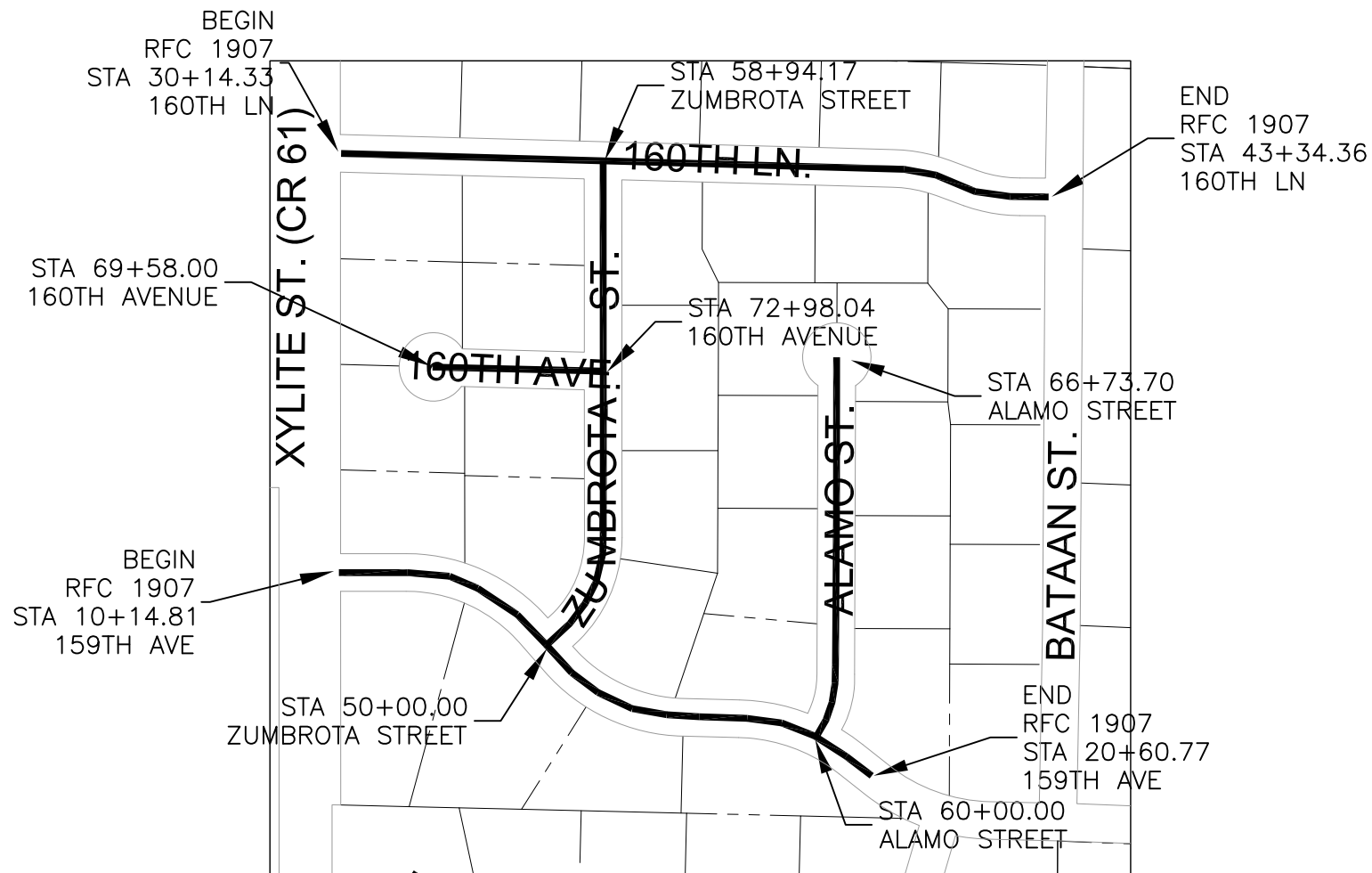
13635 Johnson Street NE Telephone 763-862-8000
Ham Lake, MN 55304 Fax 763-862-8042

City of Ham Lake, Minnesota

CONSTRUCTION PLAN FOR TREE AND STUMP REMOVAL, CLEARING AND GRUBBING
LUND'S LAKEVIEW FOREST TREE REMOVAL PROJECT

FOR CONSTRUCTION OF 159TH AVENUE, 160TH LANE, ALAMO STREET, ZUMBROTA STREET, AND 160TH AVENUE; WITHIN THE LIMITS DEFINED BELOW

COORDINATES LISTED IN PLANS ARE BASED ON NAD83 LAMBERT
CONFORMAL CONIC COUNTY PARAMETERS FOR ANOKA COUNTY
ELEVATIONS LISTED IN PLANS ARE BASED ON NAVD88

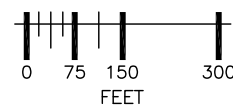


PLAN SYMBOLS

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- CONSTRUCTION EASEMENT LINE
- PERMANENT EASEMENT LINE
- LOT PROPERTY LINE
- SECTION
- CONSTRUCTION LIMITS CLEAR ZONE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING DITCH LINE
- PROPOSED DITCH LINE
- EXISTING COUNTY
- FENCE LINE / FENCE POSTS
- SILT FENCE
- WETLAND BOUNDARY
- REMOVE EXISTING TREES
- BENCH MARK / IRON MONUMENT
- LIGHT POLE / BOLLARD
- SOIL BORING
- BUILDING
- RIPRAP
- MAILBOX
- SIGN

UTILITY SYMBOLS

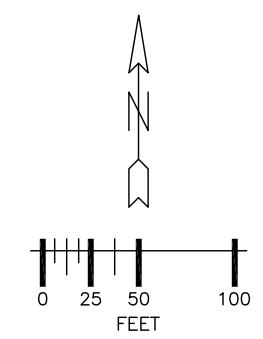
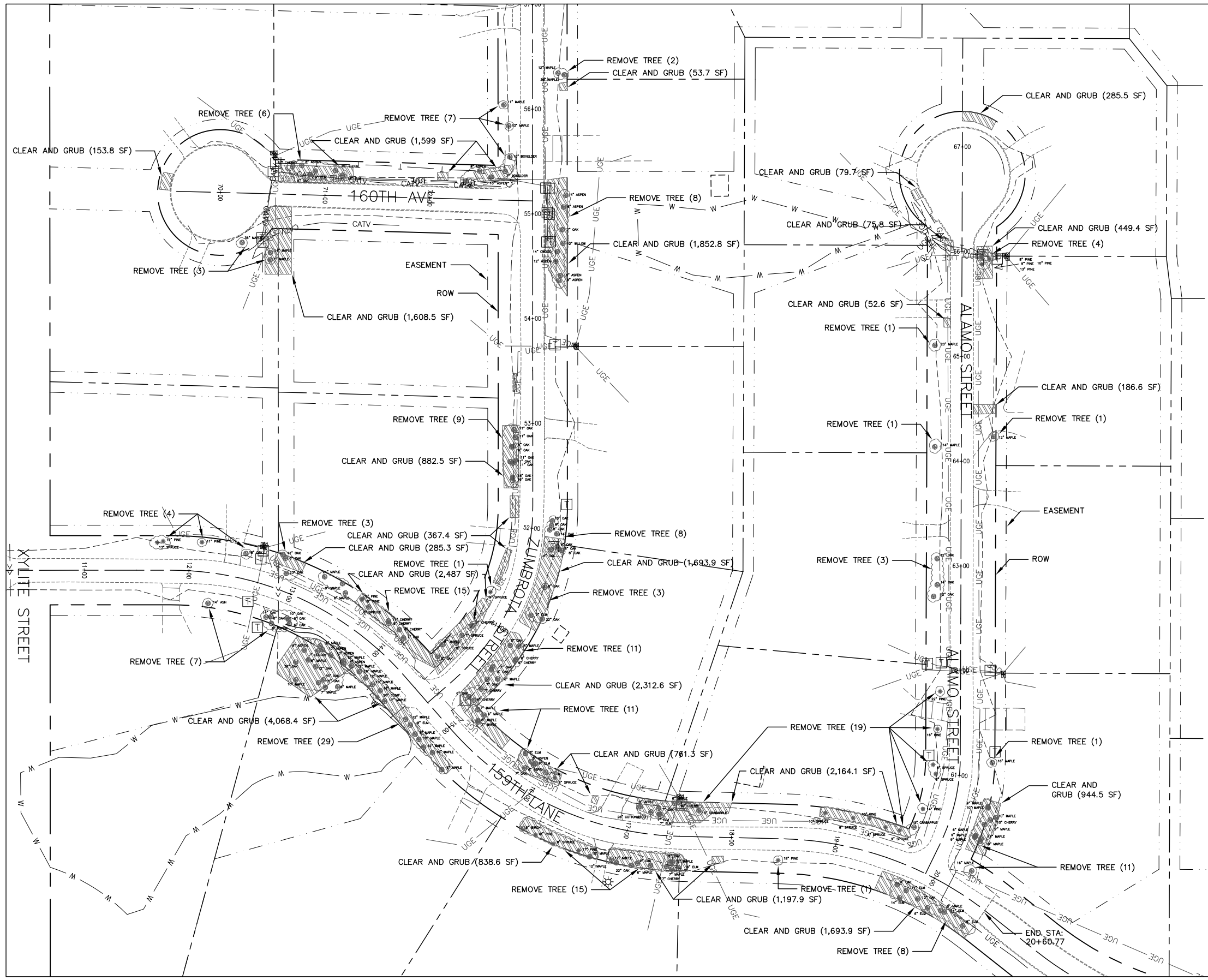
- GAS GAS LINE
- PETRO PETROLINE
- OHE OVERHEAD ELECTRIC
- UGE UNDERGROUND ELECTRIC
- T UNDERGROUND TELEPHONE LINE
- CATV UNDERGROUND CABLE TV LINE
- FO UNDERGROUND FIBER OPTIC LINE
- ELECTRIC MANHOLE
- ELECTRIC JUNC. BOX
- CABLE TV JUNC. BOX
- FIBER OPTIC STRUCTURES
- POWER POLE AND GUY WIRE
- EXISTING STORM DRAIN LINE
- PROPOSED STORM DRAIN LINE
- EXISTING FLARED END SECTION
- PROPOSED FLARED END SECTION
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN
- EXISTING MANHOLE
- PROPOSED MANHOLE
- WELL
- CLEARING AND GRUBBING AREAS



PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

THIS SHEET
 TREE REMOVALS: 192
 CLEAR AND GRUB: 26,408 SF = 0.61 ACRES

- NOTES:
1. SOME OR ALL TREES WITHIN THE RIGHT-OF-WAY MAY BE REMOVED BASED ON CANOPY/ROOT LOCATION.
 2. ALL OAK TREES TO BE REMOVED MUST NOT BE REMOVED OR TRIMMED BETWEEN APRIL 1ST AND JULY 15TH. IF OPERATIONS RESULT IN WOUNDS TO THE OAK TREES OR ROOTS BETWEEN APRIL 1ST AND JULY 15TH, ALL WOUNDS MUST BE TREATED IMMEDIATELY WITH A LATEX BASED PAINT AND ALL STUMPS MUST BE REMOVED FROM THE SITE IMMEDIATELY.
 3. ALL TREES DETERMINED TO NEED REMOVAL BY CONTRACTOR AND NOT MARKED FOR REMOVAL ON THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE REMOVAL.
 4. CLEARING AND GRUBBING MARKED ON THE PLAN EXTEND TO THE RIGHT-OF-WAY.



**SOPHIE STATE
 ONE CALL**
 800-252-1166 651-454-0002

UTILITIES:	CONTACT	PHONE
CENTURYLINK	(763) 712-5017	
CENTERPOINT ENERGY	(763) 323-2760	
COMCAST	(952) 607-4078	
CONNEXUS ENERGY	(763) 323-4268	
GREAT RIVERS ENERGY	(763) 445-5984	
KOCH PIPELINE	(952) 832-2684 (952) 807-4183	
XCEL ENERGY	(612) 526-4508	

DATE	REVISION HISTORY

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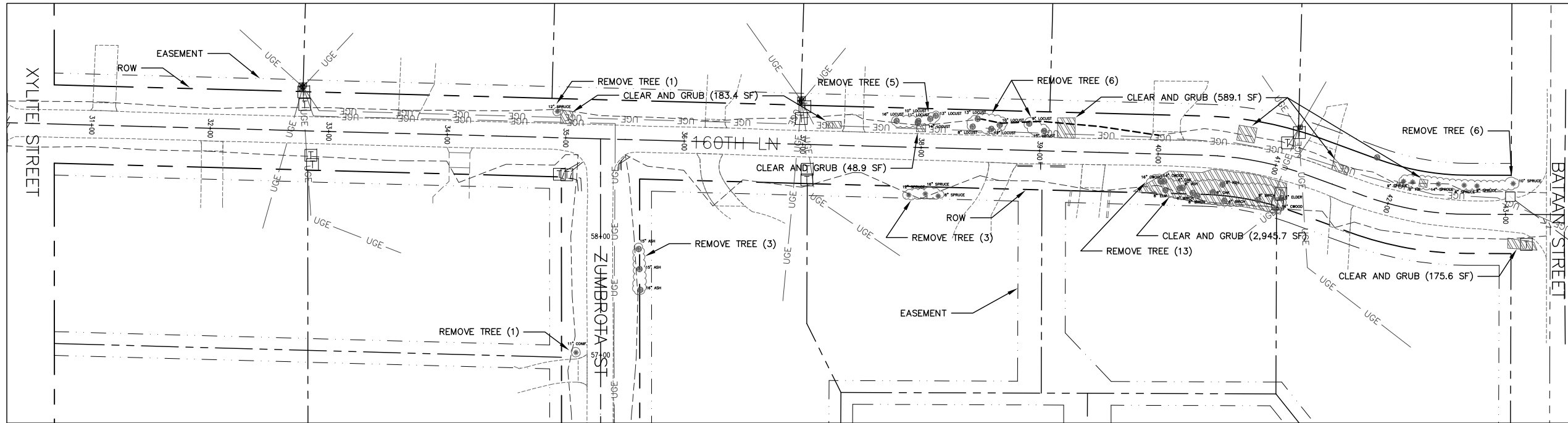
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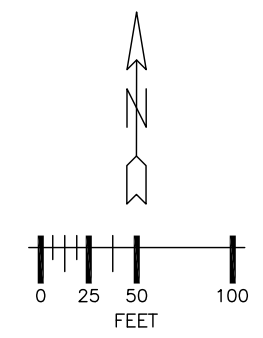
HAM LAKE IMPROVEMENT PROJECT 1907
 LUND'S LAKEVIEW FOREST TREE REMOVAL
 TREE REMOVALS

DWG:	1907 TREES 1
DATE:	02/18/2021
JOB NUMBER:	1907
SHEET:	2 OF 3
FILE:	36-1-161

DESIGN BY: GJM DRAWN BY: GJM CHECKED BY: TPC



THIS SHEET
 TREE REMOVALS: 38
 CLEAR AND GRUB: 3,943 SF
 = 0.091 ACRES



- NOTES:
1. SOME OR ALL TREES WITHIN THE RIGHT-OF-WAY MAY BE REMOVED BASED ON CANOPY/ROOT LOCATION.
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HAM LAKE IMPROVEMENT PROJECT 1907
 LUND'S LAKEVIEW FOREST TREE REMOVAL
 TREE REMOVALS

DESIGN BY: GJM DRAWN BY: GJM CHECKED BY: TPC

DWG:	1907 TREES 2
DATE:	02/18/2021
JOB NUMBER:	1907
SHEET:	3 OF 3
FILE:	36-1-162