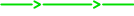


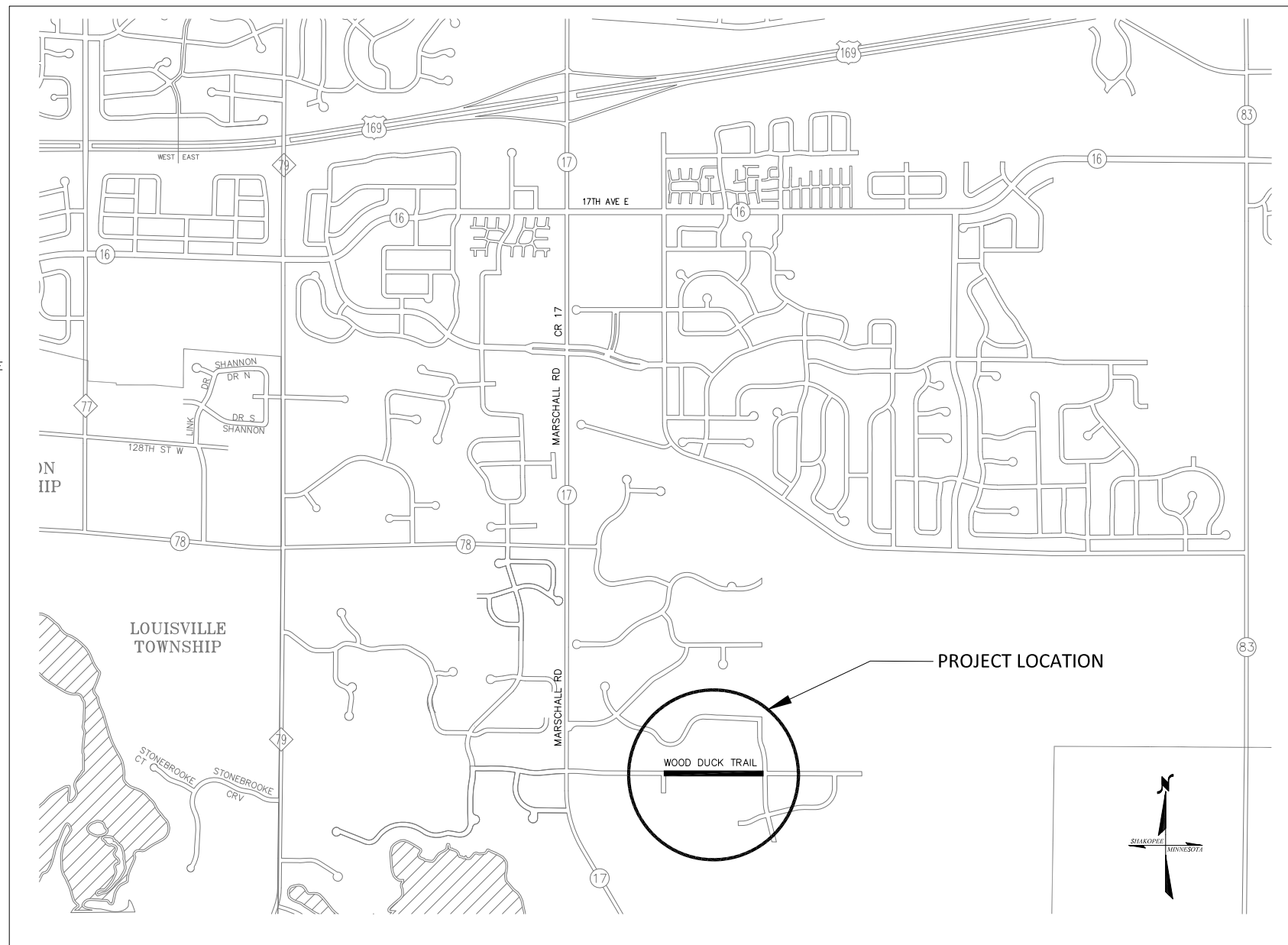
WOOD DUCK TRAIL RECONSTRUCTION
SHAKOPEE, MN
CITY PROJECT NO. CIF 19-008
STREET RECONSTRUCTION & DRAIN TILE IMPROVEMENTS

LEGEND	
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING WATERMAIN
	RIGHT-OF-WAY
	CENTERLINE
	EXISTING RETAINING WALL
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED WATERMAIN
	PROPOSED SAW CUT LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND FIBER OPTIC LINE
	UNDERGROUND GAS LINE
	ABANDONED GAS LINE
	PROPOSED CONDUIT
	CONCRETE SURFACE
	BITUMINOUS SURFACE
	GRAVEL SURFACE
	EXISTING HYDRANT
	EXISTING VALVE MANHOLE
	EXISTING VALVE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER MANHOLE
	EXISTING CATCH BASIN
	UTILITY POLE
	SIGN / POLE
	DECIDUOUS TREE
	CONIFEROUS TREE
	HEDGE
	TELEPHONE BOX
	ELECTRIC BOX
	MAILBOX
	NEWSPAPER BOX
	GUY WIRE
	SOIL BORING LOCATION
	PROPOSED HYDRANT
	PROPOSED VALVE
	PROPOSED MANHOLE
	PROPOSED CATCH BASIN
	REMOVE AND DISPOSE EXISTING BITUMINOUS DRIVEWAY AS DIRECTED
	REMOVE AND DISPOSE EXISTING CONCRETE DRIVEWAY/WALK AS DIRECTED
	REMOVE & DISPOSE SANITARY SEWER
	REMOVE & DISPOSE STORM SEWER
	REMOVE & DISPOSE WATERMAIN
SS	PROTECT OR SALVAGE & REINSTALL SPRINKLER SYSTEM
UF	PROTECT OR SALVAGE & REINSTALL UNDERGROUND FUEL SYSTEM
	REPLACE CASTING
	SALVAGE & REINSTALL LANDSCAPING

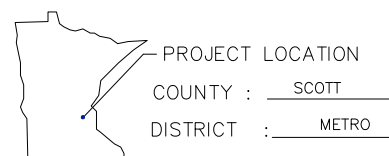
THE LOCATIONS OF EXISTING SURFACE STRUCTURES AND UNDERGROUND UTILITIES THAT ARE SHOWN, ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED THAT ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES AND SURFACE STRUCTURES.

NOTIFY GOPHER STATE ONE-CALL
1-800-252-1166 OR 651-454-0002

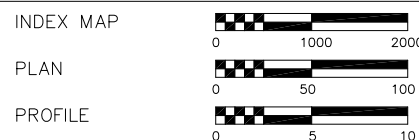
THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."



CITY OF SHAKOPEE, MN



SCALES



PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

GOVERNING SPECIFICATIONS

THE WOOD DUCK TRAIL PROJECT SPECIFICATIONS, THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE LATEST EDITION OF THE CEAM STANDARD UTILITY SPECIFICATIONS SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MN MUTCD INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

ALL TRAFFIC CONTROL DEVICES SHALL HAVE RETROREFLECTIVE SHEETING.

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3	TYPICAL SECTION
4	DETAILS
5	CONSTRUCTION PLAN
6-11	SWPPP
12	STREET PROFILE REFERENCE SHEET

THIS PLAN CONTAINS 12 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.

PRINT NAME: STEVEN L. LILLEHAUG LIC. NO. 41866

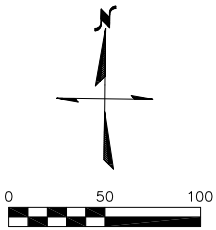
DATE 7/1/2019 SIGNATURE: _____



CITY OF SHAKOPEE, MN
485 GORMAN ST
SHAKOPEE, MN 55379
(952) 233-9300 phone
(952) 233-3801 fax

SHEET NO. 1 OF 12 SHEETS

CLEAN OUT INSTALL LOCATIONS		
STATION	OFFSET	OFFSET
13+70	15' L	15' R
16+70	15' L	15' R
19+70	15' L	15' R
22+70	15' L	15' R
25+70	15' L	15' R



4" PERFORATED PIPE WITH SOCK

NEW BITUMINOUS ROAD

EXISTING BITUMINOUS OR DRIVEWAY

SAWCUT (FULL DEPTH)

CLEAN OUT STRUCTURE (DRAIN TILE)

EXISTING STORM SEWER AND CULVERTS

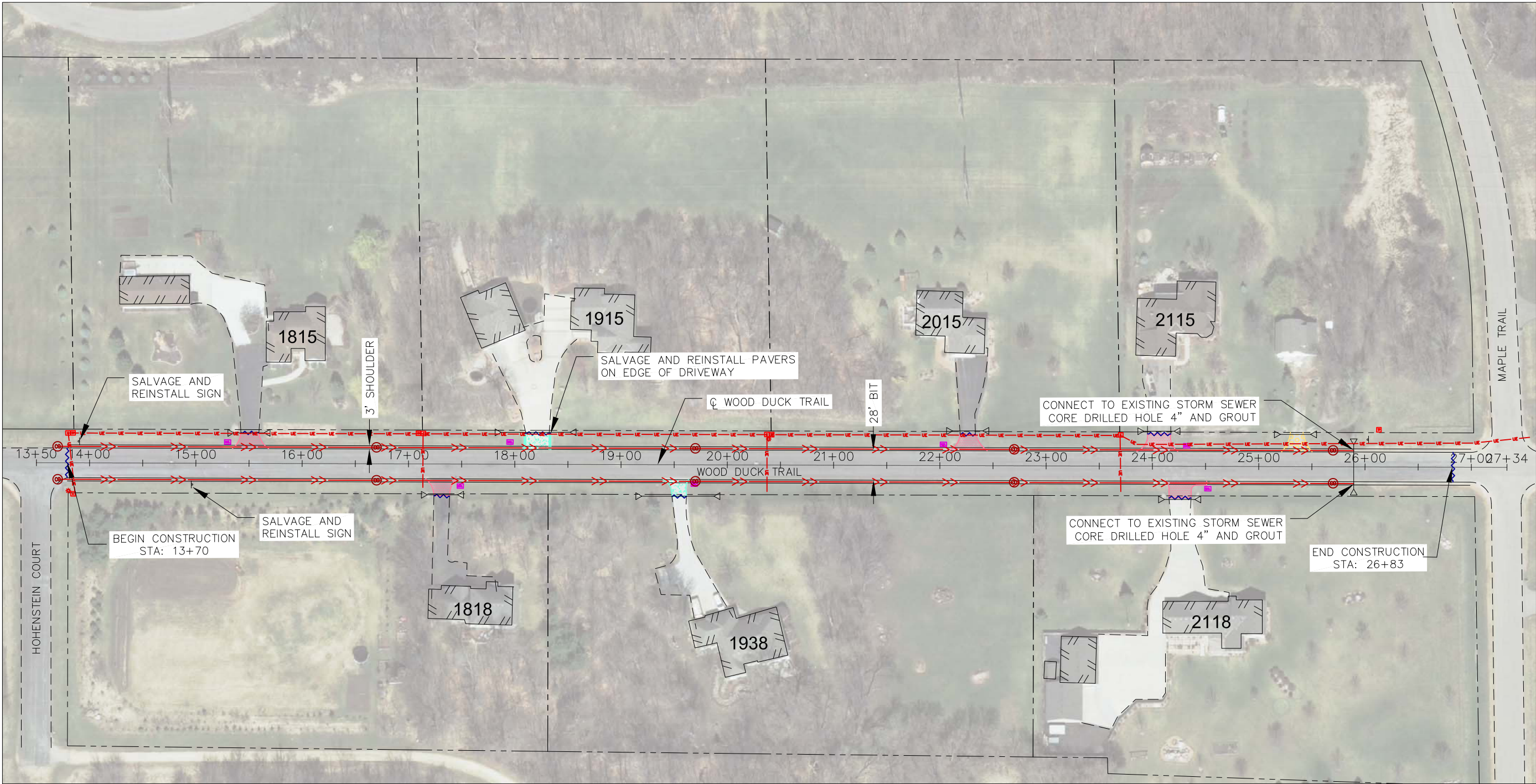
BITUMINOUS DRIVEWAY

CONCRETE DRIVEWAY

GRAVEL DRIVEWAY

MAILBOX

- NOTES:
1. THE ENGINEER IN THE FIELD WILL MARK AN INITIAL DRIVEWAY REMOVAL LINE WHICH SHOULD BE PRESERVED UNTIL A FINAL DRIVEWAY TIE-IN LOCATION IS DETERMINED AFTER THE 2" BASE COURSE LIFT IS INSTALLED. INITIAL DRIVEWAY REMOVAL SHOULD OCCUR BY JACKHAMMERING, SAWCUTTING OR OTHER MEANS JUST SHORT OF THE INITIAL DRIVEWAY REMOVAL LINE AT THE CONTRACTOR'S EXPENSE. FINAL DRIVEWAY TIE-IN LOCATION AND SAWCUT WILL OCCUR UPON COMPLETION OF THE ADJACENT ROADWAY INSTALLATION. A SINGLE SAWCUT WILL BE PAID AT EACH PLANNED LOCATION.
 2. ALL REMOVAL LIMITS WILL BE MARKED IN THE FIELD BY THE ENGINEER.
 3. ALL BITUMINOUS DRIVEWAYS SHALL BE INSTALLED IN 2 - 1.5" LIFTS
 4. SEE REFERENCE SHEETS AT END OF PLAN SET FOR PROFILE GRADE



NO.	DATE	BY	REVISION



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT 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.

SIGNATURE: _____ DATE: 7/1/2019

PRINTED NAME: STEVEN LILLHAUG LIC. NO. 41866

DESIGNED BY: AIE, LS
DRAWN BY: AIE, LS
CHECKED BY: SL
DATE: 7/1/2019

CITY PROJECT NOS.

CIF19-008

WOOD DUCK TRAIL RECONSTRUCTION

CONSTRUCTION PLANS