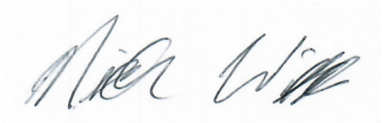
FRONTENAC FORESTRY

Install and maintain tree protection fence as indicated on preservation plan for all trees marked SAVE.
Silt protection shall be installed in a trenchless manner if introduced within the critical root zone of any tree to be PRESERVED. (I.E. woodchips, wattles, and hay bales)

I hereby certify that I have viewed the premises and provided this professional opinion regarding the survivability of significant trees on this site and abutting the site. Attached is a site plan illustrating the recommended location of tree protection fencing. This fence is to remain erect throughout the construction project . All tree inspections were performed from the ground and are limited in scope. Tree and utility locations are approximate and locations of utilities are subject to change.



Nick Wibbenmeyer
I.S.A. Certified Arborist
MW 6357A

CERTIFIED ARBORIST ISA

FrontenacForestry@gmail.com ~ 2460 Driftwood Ln. St. Louis, MO. 63146 ~ 314-496-2020

TREE STUDY
SITE PLAN REVIEW
7/14/2026

PROPERTY LOCATION: 411 Venneman

NUMBER	TREE SPECIES	DBH	PRESERVE/ TBR	ADJOINING LOT	COMMENTS	CONDITION
A	Japanese maple	8"	PRESERVE		bifurcations at 1', minor deadwood	Good
B	dogwood	7"	PRESERVE		co-dominant at 2', epicormic growth	Fair
C	eastern redcedar	8"	TBR		vines, strong central leader	Fair
D	silver maple	18"	TBR		co-dominant at 20', epicormic growth	Fair
E	eastern redcedar	9"	TBR		phototropic	Good
F	pin oak	23"	TBR		galls present, deadwood	Fair
G	hackberry	25"	TBR		vines, co-dominant at 15'	Good
H	American holly	2x6"	PRESERVE		multi-stemmed	Good
1	eastern redbud	2.5”	INSTALL		installed replacement tree	
2	white oak	2.5”	INSTALL		installed replacement tree	
3	arborvitae	2.5”	INSTALL		installed replacement tree	
4	arborvitae	2.5”	INSTALL		installed replacement tree	
5	arborvitae	2.5”	INSTALL		installed replacement tree	
6	arborvitae	2.5”	INSTALL		installed replacement tree	
7	arborvitae	2.5”	INSTALL		installed replacement tree	
8	arborvitae	2.5”	INSTALL		installed replacement tree	

TOTAL TREES (@ or above 6” DBH)	TOTAL VIABLE TREES	TREES REMOVED	DEAD/DYING/ DISEASED REMOVE	VIABLE TREES REMOVED	# OF VIABLE INCHES REMOVED	# OF 2.5” CALIPER REPLACEMENT TREES REQUIRED (1 per 10” removed)	OR REPLACEMENT COST @ $120 PER CALIPER INCH
8	**8**	**5**	**N/A**	**5**	**83**	**8**	**$2,400**

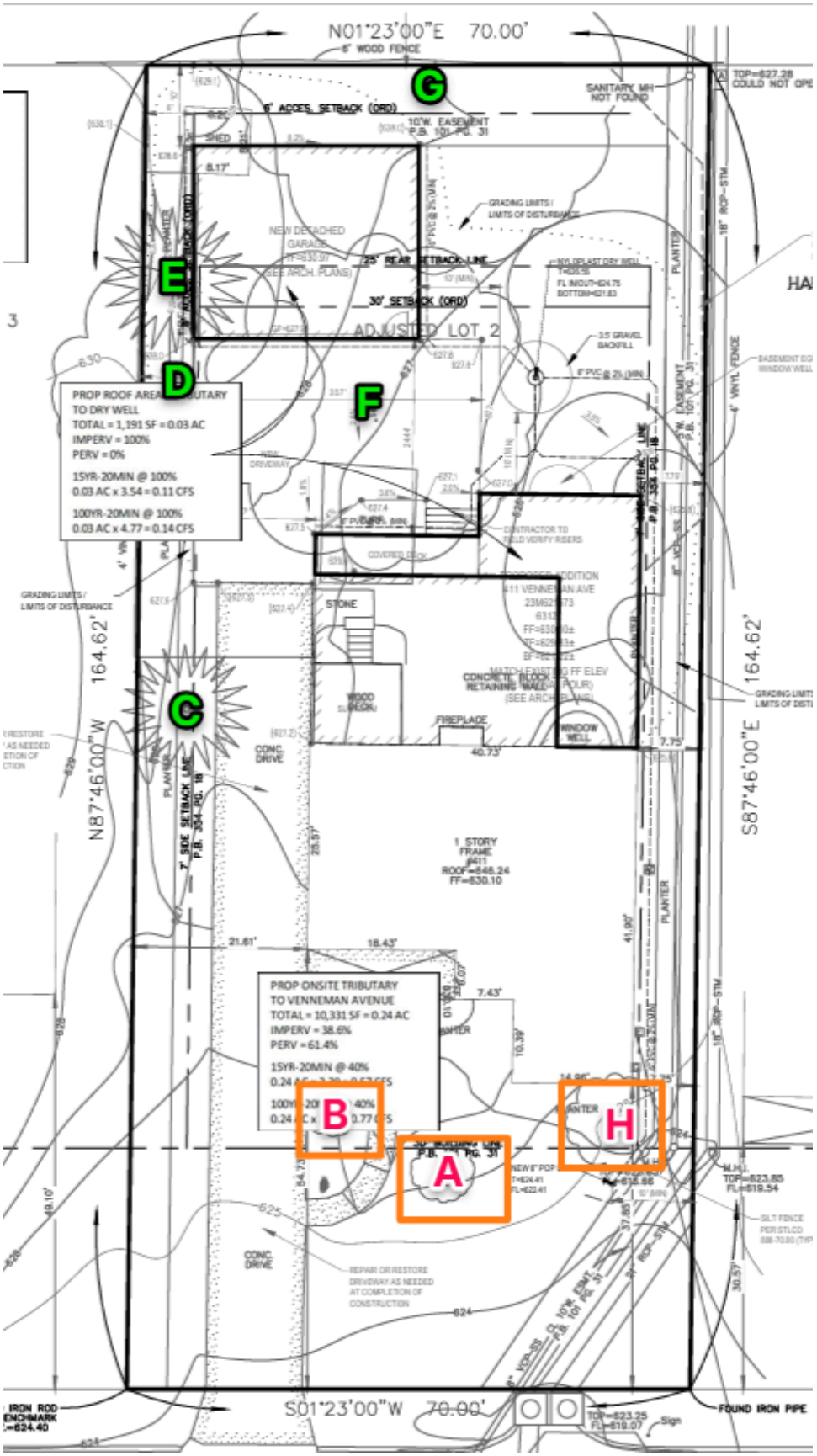
PRESERVE

TBR

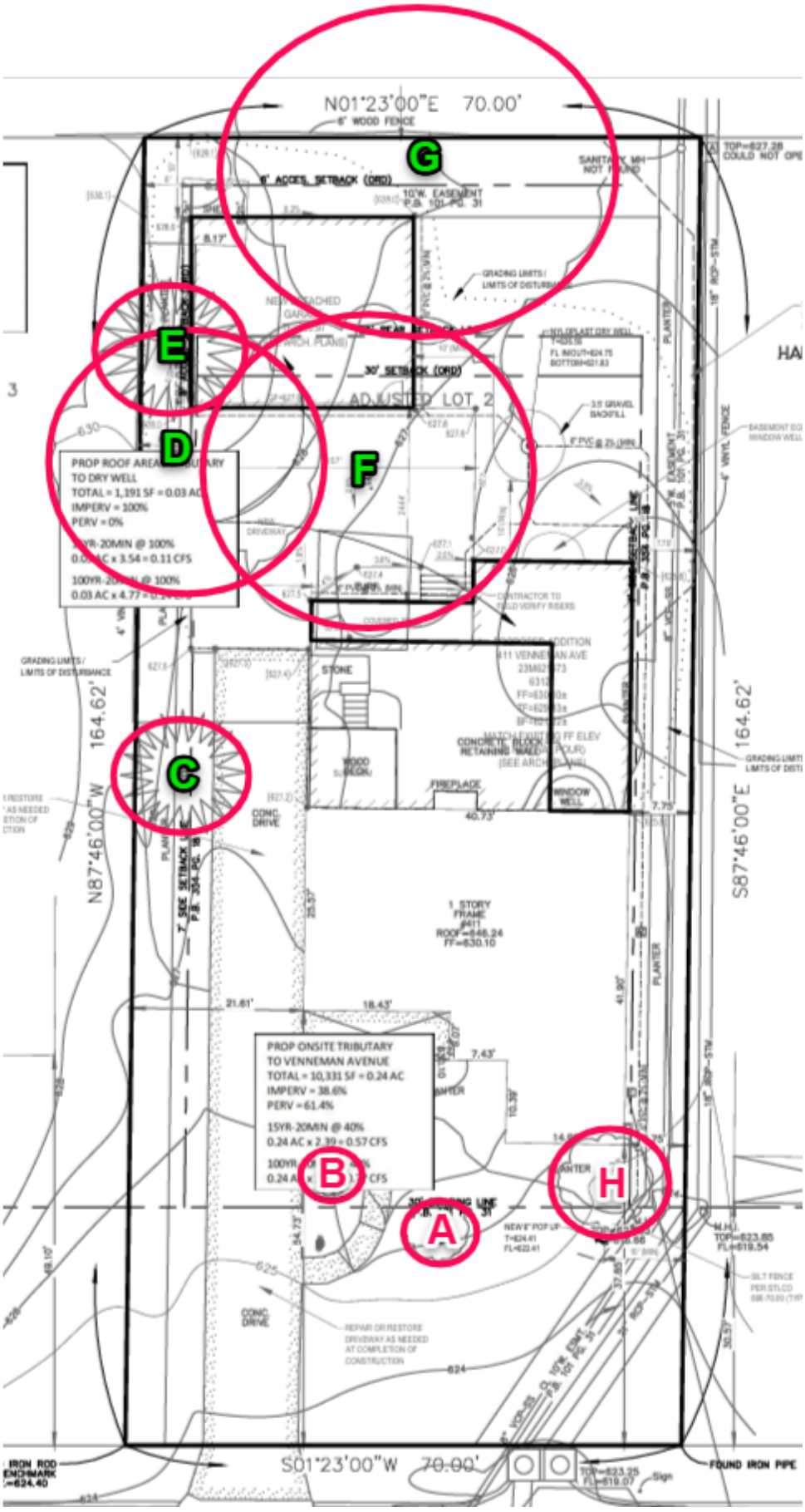
TREE

PROTECTION

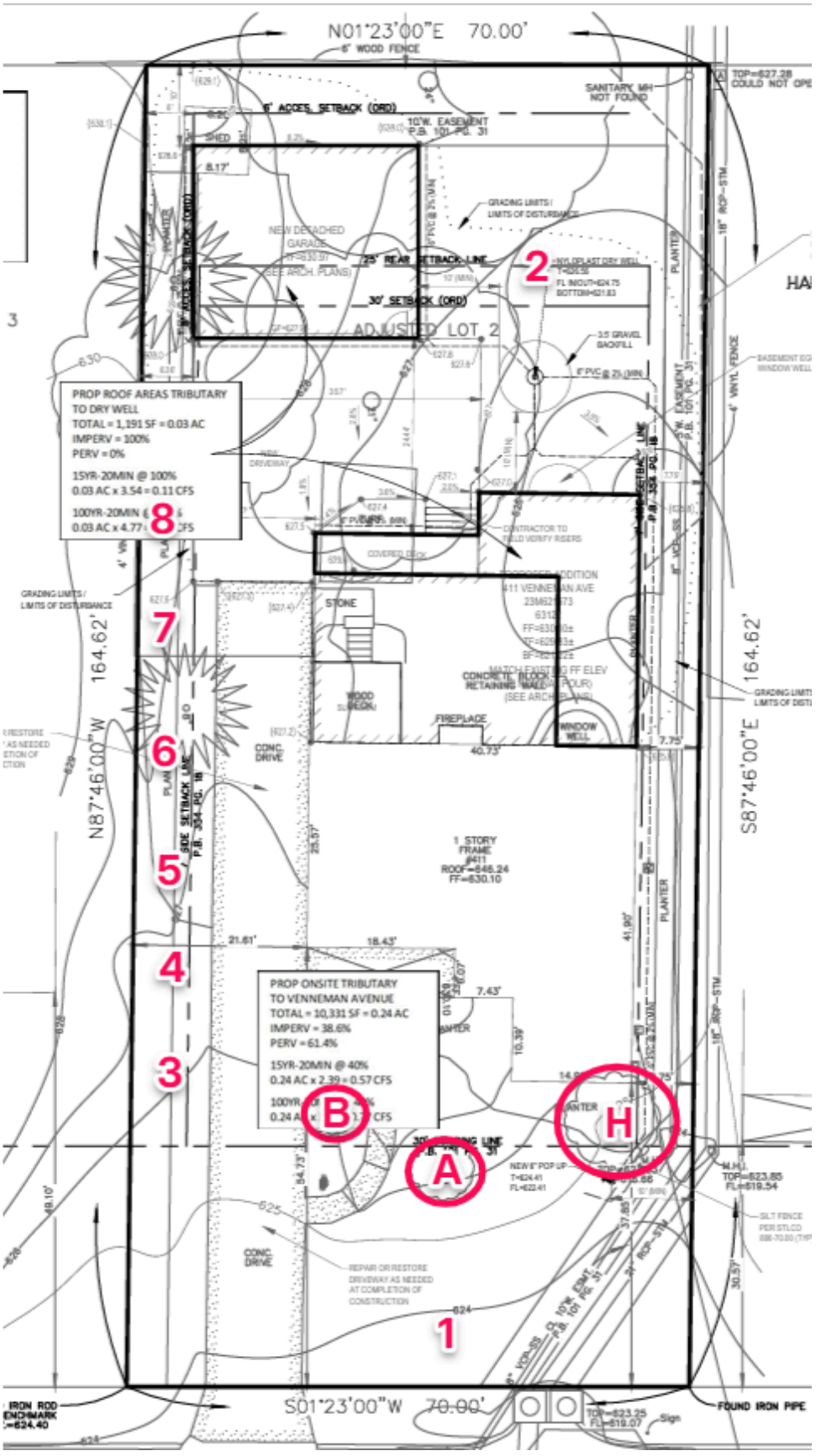
FENCE

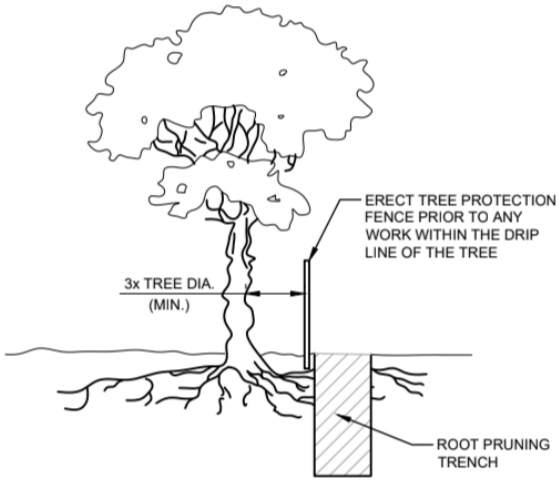


EXISTING CANOPY



PROPOSED CANOPY





NOTES:

1. ROOT PRUNING SHALL BE DONE WHENEVER THERE WILL BE GRADING, CUTTING OR COMPACTION DISTURBANCE UNDERNEATH THE DRIP LINE OF A TREE. PRIOR TO ANY WORK WITHIN DRIP LINE, THE CONTRACTOR SHALL ERECT A TREE PROTECTION FENCE AND CONTACT AN ISA CERTIFIED ARBORIST TO COORDINATE WORK. NO DISTURBANCE SHALL BE DONE WITHIN A DISTANCE OF 3X THE DIAMETER OF THE TREE, DUE TO STABILITY CONCERNS.
2. ROOT PRUNING SHALL BE DONE WITH A SHARP TOOL, IN SUCH A WAY THAT DOES NOT PULL ON THE ROOTS, BUT LEAVES SMOOTH CUTS. DO NOT TEAR ROOTS WITH EXCAVATION EQUIPMENT. IT IS PREFERABLE TO EXPOSE THE ROOTS PRIOR TO ROOT PRUNING. AFTER PRUNING, FILL THE AREA WITH QUALITY TOPSOIL AND WATER UNTIL THOROUGHLY SOAKED.
3. ONCE EXPOSED, ROOTS MUST BE COVERED WITHIN 8 HOURS. IF ROOTS WILL BE LEFT EXPOSED FOR LONGER THAN 8 HOURS, THEY MUST BE KEPT MOIST. ONE OPTION IS TO PUT MOIST BURLAP OVER THE EXPOSED ROOTS.

NOTES (CONT.):

4. ROOT PRUNING SHALL MEET OR EXCEED ANSI A300 OR APPROVED TREE CARE INDUSTRY STANDARDS.

DIGGING PROCESS

1. THE PRUNING TRENCH SHOULD BE CLEARED IN A WAY THAT EXPOSES THE ROOTS WHILE LEAVING THEM INTACT.
   1.1. USE HAND TOOLS OR AN AIR KNIFE II) DO NOT USE AN EXCAVATOR, AS THIS WILL PULL ON THE ROOTS AND POSSIBLY DAMAGE THE TRUNK III) IF A ROOT LARGER THAN 2" IS EXPOSED, LEAVE THIS ROOT INTACT AND CONTACT LANDSCAPE SERVICES
2. ONCE THE ROOTS ARE EXPOSED, USE A SHARP TOOL TO CLEANLY CUT ALL ROOTS WHICH ARE BETWEEN 1-2" DIAMETER, TO THE DEPTH OF THE PROPOSED DISTURBANCE
   2.1. APPROPRIATE TOOLS INCLUDE SHARP LOPPING SHEARS, HANDSAWS, A SHARPENED AXE, A ROOT PRUNER GRINDER, A RECIPROCATING SAW AND ANY OTHER SHARP TOOL WHICH LEAVES A CLEAN CUT
   2.2. YOU MAY NOT USE A CHAINSAW OR CHAIN TRENCHER TO MAKE THE FINAL CUTS
   2.3. ALL ROOTS SHALL BE LEFT WITH A CLEAN, SMOOTH ENDS AND NO RAGGED EDGES
3. POST PRUNING
   3.1. TREE ROOTS MUST BE KEPT MOIST. IF ROOTS ENDS WILL BE LEFT EXPOSED FOR MORE THAN 8 HOURS, COVER THE HOLE WITH MOIST BURLAP.
   3.2. FILL THE HOLE WITH HIGH QUALITY TOP SOIL, MULCH THE AREA WITH TRIPLE SHREDDED HARDWOOD TO A DEPTH OF 3", AND WATER WELL.