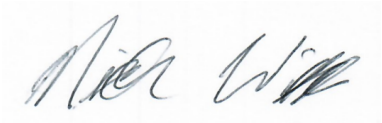
FRONTENAC FORESTRY

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

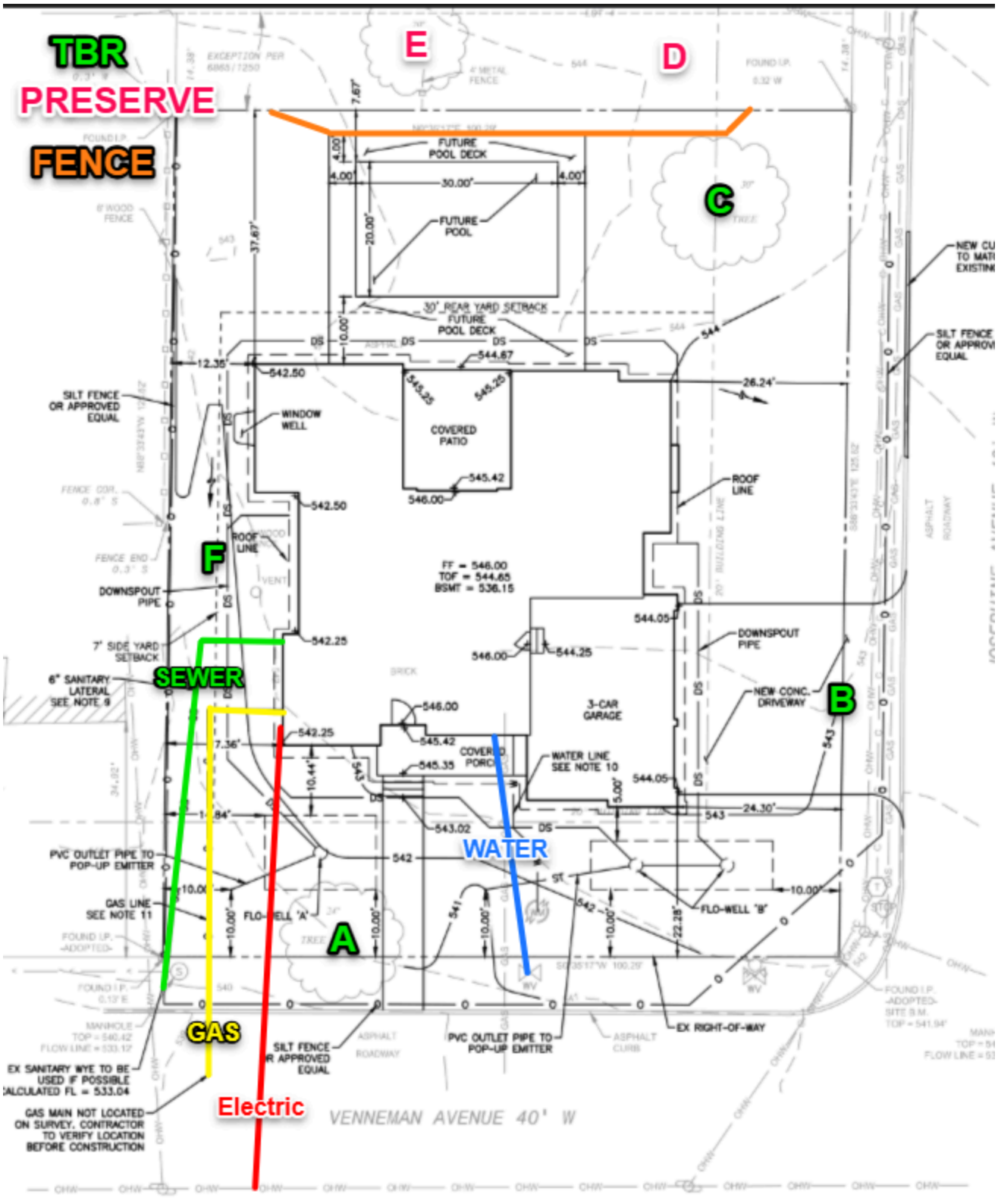
TREE STUDY
SITE PLAN REVIEW
10-12-26

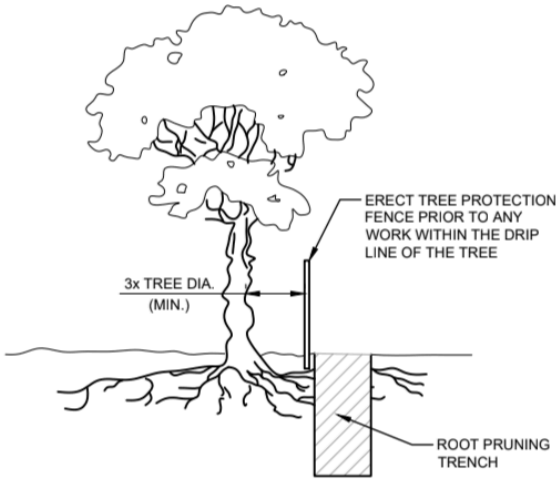
PROPERTY LOCATION: 509 Venneman

NUMBER	TREE SPECIES	DBH	PRESERVE/ TBR	ADJOINING LOT	COMMENTS	CONDITION
A	tulip poplar	27"	TBR	CITY SHARED	strong central leader, minor deadwood **Utilities, Flo-Wells, walkway**	FAIR
B	shortleaf pine	37"	TBR	CITY SHARED	vines on trunk, one sided, utility pruned, minor deadwood **DRIVEWAY**	FAIR
C	white pine	2x25"	TBR		Multi-stemmed, included bark, co-dominant at 2', minor deadwood **DRIVEWAY DEMO, POOL, ACCESS, STAGING**	FAIR
D	crabapple	2x6"	PRESERVE	YES	co-dominant at 2', epicormic growth, included bark	FAIR
E	baldcypress	25"	PRESERVE	YES	strong central leader, minor deadwood	FAIR
F	black walnut	26"	TBR		irregular trunk taper, co-dominant at 10', storm damage, deadwood **STRUCTURE**	FAIR

TOTAL TREES **(** @ or above 6" DBH **)**	TOTAL VIABLE TREES	TREES REMOVED	POOR CONDITION/ INVASIVE 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
4	**4**	**4**	**0**	**4**	**140"**	14	$4200

Our recommendation is to install 2 canopy trees and 6 evergreens on site along with $1,800 to tree fund


TBR
PRESERVE
FENCE
E
D
C
B
A
F
SEWER
GAS
WATER
Electric
FUTURE POOL DECK
FUTURE POOL
30' REAR YARD SETBACK
COVERED PATIO
WINDOW WELL
ROOF LINE
3-CAR GARAGE
NEW CONC. DRIVEWAY
DOWNSPOUT PIPE
SILT FENCE OR APPROVED EQUAL
7' SIDE YARD SETBACK
6" SANITARY LATERAL SEE NOTE 9
WATER LINE SEE NOTE 10
GAS LINE SEE NOTE 11
PVC OUTLET PIPE TO POP-UP EMITTER
FLO-WELL 'A'
FLO-WELL 'B'
EX SANITARY WYE TO BE USED IF POSSIBLE CALCULATED FL = 533.04
GAS MAIN NOT LOCATED ON SURVEY. CONTRACTOR TO VERIFY LOCATION BEFORE CONSTRUCTION
EX RIGHT-OF-WAY
VENNEMAN AVENUE 40' W



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.