



LANDSCAPE SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	CAL.	CONT.	TOTAL CANOPY
SHADE TREES						
QR	5	QUERCUS RUBRA	RED OAK	2 10'3" CAL.	B+B	1000
SUBTOTAL:	5					1000
ORNAMENTAL TREES						
AGAB	4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE APPLE SERVICEBERRY	20'	B+B	100
CC	5	CORNUS CANADENSIS	EASTERN REDBUD	2 12'12" CAL. / 8'12"	B+B	100
CK	2	CORNUS KOUSA	KOUSA DOGWOOD	1 11'12" CAL. / 8'12"	B+B	100
CV	5	CHOISYANTHUS VIRGINICUS	WHITE FRINGETREE	6'4"	B+B	100
LN	5	LAGERSTROEMIA INDICA 'NATCHEZ'	NATCHEZ CRAPENMYLE	1 11'12" CAL. / 8'12"	B+B	100
SUBTOTAL:	21					2100
						TOTAL CANOPY AREA
						3000
DECIDUOUS SHRUBS						
CAH	32	CLETHRA ALNIFOLIA 'SUMMERSWEET'	SUMMERSWEET	16'24"	#5 CAN	
CE	21	CORNUS ALBA 'BAHALD' 'BERRY HALO'	TATARIAN DOGWOOD	48'72"	B+B	
IV	32	ITEA VIRGINICA 'VENUS'S GARNET'	GARNET SWEETSPIRE	24'32"	#5 CAN	
IVRS	12	ILEX X VERTICILLATA 'RED SPIRIT'	RED SPIRIT WINTERBERRY	35'36"	#5 CAN	
RAGL	31	RALUS AMORICA 'SODALOW'	GRO-LOW SUMAC	12'18"	CONTAINER	
VCA	36	VEIBURNUM CARLESI	KOREANSPICE VIBURNUM	35'36"	B+B	
SUBTOTAL:	164					
EVERGREEN SHRUBS						
IGS	58	ILEX GLABRA 'SHAWROCK'	SHAWROCK INEBERRY HOLLY	24'32"	#5 CAN	
PLS	14	PRUNUS LAUROCERASUS 'SCHPAENSB'	COMMON CHERRY LAUREL	24'32"	#5 CAN	
SUBTOTAL:	72					
GROUND COVERS						
JHBC	13	JUNPERUS HORIZONTALIS 'BLUE CHIP'	BLUE CHIP CREEPING JUNCER	15'18" SPED.	#5 CAN	
SUBTOTAL:	13					
PERENNIALS						
EP	76	EDMUNDA PURPUREA	PURPLE CORNFLOWER	2 GAL.	CONTAINER	
MDY	96	MONARDA DEUTHA	MONARDA	2 GAL.	CONTAINER	
SUBTOTAL:	172					
ORNAMENTAL GRASSES						
SSTB	36	SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	LITTLE BLUE STEM	2 GAL.	CONTAINER	
SUBTOTAL:	36					

TOWN OF VIENNA TREE PROTECTION PLAN NOTES

- THE FOLLOWING TREE PROTECTION PRACTICES ARE TO BE FOLLOWED. THE INFORMATION LISTED BELOW IS REQUIRED ON THE LANDSCAPE PLAN:
- A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE TO EXPLAIN PROTECTION MEASURES TO OPERATORS, CONSTRUCTION SUPERVISORS, OR CONTRACTOR'S REPRESENTATIVES WITH THE TOWN ARBORIST OR THEIR REPRESENTATIVE.
 - CONTRACTOR ON THE SITE SHALL STAKE CLEARING LIMITS IN ORDER TO FACILITATE LOCATION FOR TRENCING AND FENCING INSTALLATION PROTECTION.
 - NO CLEARING OR GRADING SHALL BEGIN IN AREAS WHERE TREE PRESERVATION MEASURES HAVE NOT BEEN COMPLETED.
 - THE USE OF HEAVY EQUIPMENT IS STRICTLY PROHIBITED WITHIN TREE PRESERVATION AREAS TO INCLUDE THE REMOVAL OF UNWANTED TREES, STRUCTURES, PADS ETC. SHALL BE REMOVED BY HAND.
 - THE SEQUENCE OF TREE PRESERVATION MEASURES, IF REQUIRED, SHALL BE AS FOLLOWS:
 - ROOT PRUNING TRENCING, C. TREE PRUNING AND CHEMICAL TREATMENT;
 - TREE PROTECTION FENCING, D. AERATION SYSTEMS INSTALLED;
 - THE PRECEDING MEASURES SHALL BE DIRECTED IN THE FIELD BY THE CONSTRUCTION SUPERVISOR.
 - TREE PROTECTION FENCING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. NO ALTERATION SHALL OCCUR WITHOUT PRIOR APPROVAL BY A TOWN REPRESENTATIVE.
 - CRITICAL ROOT ZONE SHALL BE DEFINED AS 1.5' RADIUS PER 1" OF DBH. DBH (DIAMETER AT BREAST HEIGHT) SHALL BE MEASURED AT A HEIGHT OF 4.5' FROM HIGHEST POINT OF GROUND AT BASE OF TRUNK.
 - THE PROTECTION PROVIDED SHALL CONSIST OF FENCING AROUND THE TREE TO THE DRIP LINE AND THE AREAS ENCLOSED KEPT FREE OF ALL SOIL, EQUIPMENT, AND CONSTRUCTION MATERIAL STORAGE, WHICH INCLUDES FINAL GRADING AND LANDSCAPING EFFORTS.
 - ROOT PRUNING REQUIREMENTS: UNLESS OTHERWISE INSTRUCTED BY THE OFFICE OF THE HEAD ARBORIST, ROOT PRUNING MUST BE PERFORMED WHEN THE LIMITS OF DISTURBANCE FALL WITHIN CRITICAL ROOT ZONE OF TREES TO BE SAVED. ROOTS SHALL BE PRUNED TO A MINIMUM DEPTH OF 12" AT OR BEFORE THE LOD.
 - TREES THAT ARE DETERMINED BY THE TOWN ARBORIST TO BE IN "POOR" CONDITION SHALL NOT COUNT TOWARDS CANOPY COVERAGE CALCULATIONS.
 - ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH THE CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 PRUNING STANDARDS. CLIMBING OR TREE SPIKES SHALL NOT BE USED TO CLIMB LIVE TREES UNLESS THE TREE IS BEING REMOVED.

TOWN OF VIENNA NEW PLANTING NOTES

- NEWLY PLANTED TREES SHALL BE HEALTHY AND VIGOROUS, AND MEET ALL ANSI STANDARDS. ALL NEWLY INSTALLED TREES THAT ARE REQUIRED BY THE TREE CONSERVATION PLAN, WHICH IN THE OPINION OF THE TOWN ARBORIST ARE DEAD OR ARE NOT HEALTHY, SHALL BE REPLACED BY THE CONTRACTOR.
- NEW PLANTINGS SHALL BE A MINIMUM OF 2.0" 2.5" CALIPER FOR DECIDUOUS TREES AND 6" 8" HEIGHT FOR EVERGREENS.
- A MINIMUM OF TWO DIFFERENT TREE SPECIES WILL BE REQUIRED WHEN PLANTING 3-5 NEW TREES ON SITE.
- A MINIMUM OF THREE DIFFERENT TREE SPECIES WILL BE REQUIRED FOR 6-9 NEW TREES INSTALLED ON SITE.
- A MINIMUM OF FOUR DIFFERENT TREE SPECIES WILL BE REQUIRED FOR 10+ NEW TREE PLANTINGS ON SITE.
- "LARGE SHADE TREES" SHALL BE INSTALLED NO CLOSER THAN 30' ON-CENTER.
- "MEDIUM SHADE TREES" AND "MEDIUM EVERGREEN TREES" SHALL BE INSTALLED NO CLOSER THAN 20' O.C.
- "SMALL ORNAMENTAL AND SMALL EVERGREEN TREES" SHALL BE INSTALLED NO CLOSER THAN 15' O.C.
- PLANTING SHALL BE DONE ONLY WITHIN THE FOLLOWING LISTED DATES. ANY TREE PLANTED OUTSIDE OF THESE PLANTING SEASONS WILL BE REJECTED BY THE TOWN ARBORIST UPON INSPECTION:
 - SPRING PLANTING SEASON: MARCH 15 - MAY 30
 - FALL PLANTING SEASON: SEPTEMBER 15 - NOVEMBER 30
- IF NOT COMPLETED DURING THE ACCEPTED PLANTING SEASONS, A PLANTING SEASON WAIVER WILL BE REQUIRED FOR TREES/SHRUBS THAT MUST BE INSTALLED FOR CANOPY COVERAGE OR OTHER REQUIREMENTS AS SPECIFIED ON THE APPROVED PLANS FOR FINAL OCCUPANCY. CONSIDERATION AND APPROVAL OF A PLANTING SEASON WAIVER SHALL BE AT THE DISCRETION OF THE HEAD ARBORIST, OR HIS/HER DESIGNEE.
- IF A PLANTING SEASON WAIVER IS GRANTED, THE APPLICANT SHALL POST A BOND (CASH OR SURETY) COVERING ANY TREE PLANTINGS REQUIRED FOR CANOPY COVERAGE FOR THE SITE.

KEYNOTE LEGEND

- (A) LAWN SOD AREA
(B) DOUBLE SHREDDED HARDWOOD MULCH BED

SECTION	REQUIREMENTS	CALCULATIONS/PROPOSED	COMPLIANCE
20 YEAR CANOPY CALCULATIONS			
GROSS SITE AREA:		37,581 SF	
CANOPY COVERAGE REQUIRED ZONE C-1(10%):		3,758 SF	
EXISTING TREE CANOPY PRESERVED		200 SF	COMPLIES
PROPOSED CANOPY FROM LANDSCAPING		3,600 SF	
TOTAL CANOPY PROVIDED		3,800 SF (10.11%) CANOPY PROVIDED	

WAWA PLANTING SPECIFICATIONS

- THESE PLANTING NOTES SHALL BE FOLLOWED UNLESS THEY DIRECTLY CONFLICT WITH LOCAL JURISDICTIONAL SPECIFICATIONS
- ALL TOPSOIL SHALL BE A MINIMUM 4" IN ALL SOD AREAS AND 10" - 12" IN TREE, SHRUB AND GROUND COVER BEDS, INCLUDING PARKING LOT ISLAND BEDS. IT SHALL BE APPROVED BY A WAWA CONSTRUCTION REPRESENTATIVE, PRIOR TO INSTALLATION.
 - PLANTING BEHIND PERPENDICULAR PARKING IS TO BE LOCATED A MINIMUM OF 5' BEHIND THE CURB LINE.
 - ALL LANDSCAPE AND GRASS AREAS ARE TO BE HAND RAKED AND LEFT CLEAR OF ALL STONES, ROCK, CONSTRUCTION DEBRIS AND ANY UNSUITABLE MATERIALS.
 - ALL LANDSCAPE AND GRASS AREAS ARE TO BE IRRIGATED BY AUTOMATIC SPRINKLER SYSTEM. (SEE IRRIGATION SPECIFICATION.)
 - LANDSCAPE CONTRACTOR WILL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION AND PLANTING INSTALLATION.
 - ALL AREAS TO BE LANDSCAPED OR COVERED WITH STONE MUST BE TREATED WITH A PRE-EMERGENCE HERBICIDE (SURFLAN, DACTAL OR APPROVED EQUAL) IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE REGULATIONS AND THE MANUFACTURER'S INSTRUCTIONS.
 - MULCH BEDS ARE TO BE DELINEATED WITH HAND OR MACHINE DUG SHOVEL EDGING.
 - RIVER ROCK BEDS ARE TO BE DELINEATED WITH 5 1/2" ALUMINUM LANDSCAPE EDGING, STAKED AT 3' INTERVALS. ALUMINUM EDGING IS TO BE CLEANLINE 3/16" X 5 1/2" X 16" BY PERMALOC. (800-356-9660, /WWW.PERMALOC.COM.) FOLLOW MANUFACTURERS INSTALLATION DIRECTIONS INCLUDED AT THE END OF THIS SECTION.
 - LANDSCAPE CONTRACTOR TO SUPPLY AND INSTALL A PERVIOUS WEED BARRIER (DEWITT, DUPONT OR APPROVED EQUAL) IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS WITHIN ALL LANDSCAPES, INCLUDING STONE AND MULCH BEDS. ALL WEED BARRIER WILL BE OVERLAPPED A MINIMUM OF 6" AT ALL SEAMS. AT PLANT LOCATIONS, BARRIER SHOULD BE CUT IN AN "X" PATTERN SO TO ACCOMMODATE ROOT BALL AND REPLACED AFTER PLANT HAS BEEN INSTALLED.
 - WEED BARRIER SHALL NOT BE VISIBLE IN AREAS DESIGNATED FOR STONE MULCH. WHEN STONE IS CALLED FOR ADJACENT TO CURB OR SIDEWALKS, IT SHALL BE FEATHERED DOWN TO CURB LEVEL FROM A DISTANCE 24" FROM THE CURB.
 - ALL PROPOSED LANDSCAPING TO BE NURSERY GROWN, TYPICAL OF THEIR SPECIES OR VARIETY. THEY ARE TO HAVE NORMAL VIGOROUS ROOT SYSTEMS, FREE FROM DEFECTS AND INFECTIONS AND IN ACCORDANCE WITH ANSI Z60.1
 - ALL PROPOSED PLANTINGS SHOULD BE INSTALLED PER STANDARDS OF THE "AMERICAN ASSOCIATION OF NURSERYMEN" AND STATE NURSERY LANDSCAPE ASSOCIATIONS WITH REGARD TO PLANTING, PIT SIZE, BACKFILL MIXTURE, STAKING AND GUYING.
 - ALL PLANTING CONTAINERS AND BASKETS SHALL BE REMOVED DURING PLANTING. ALL PLANTS SHALL BE SET PLUMB AND POSITIONED SO THAT THE TOP OF THE ROOT COLLAR MATCHES, OR IS NO MORE THAN TWO (2) INCHES ABOVE, FINISHED GRADE. REPLACE AMENDED BACKFILL IN 6-INCH LAYERS AND COMPACT BACKFILL TO ELIMINATE VOIDS. CONTRACTOR SHALL PROVIDE A FOUR-INCH HIGH EARTHEN WATERING SAUCER ALONG THE PERIMETER OF EACH PLANTING PIT. CONTRACTOR SHALL WATER NEWLY PLANTED VEGETATION PRIOR TO MULCHING PLANTING PIT. ALL VOIDS SHALL BE FILLED AND SETTLING MITIGATED BETWEEN DIFFERENT LANDSCAPE MATERIALS.
 - AFTER INITIAL WATERING AND PRIOR TO MULCHING, CONTRACTOR SHALL APPLY HERBICIDES AND PRE-EMERGENT HERBICIDES AS REQUIRED TO ELIMINATE ANY WEED SEEDS OR PLANTS PRESENT ON ROOT BALL.
 - ALL PLANTING BEDS AND PITS EXCEPT FOR LANDSCAPE ISLANDS ADJACENT TO THE BUILDING AND DESIGNATED AREA AT THE FUEL VENT STACKS, SHALL BE MULCHED WITH DOUBLE GROUND HARDWOOD MULCH AT A MINIMUM DEPTH OF 2". LANDSCAPE ISLANDS ADJACENT TO THE TANK MAT SHALL BE MULCHED WITH 1"-3" "SPRINKLE STONE" MULCH TO AT LEAST TO A DISTANCE OF 5' FROM THE TANK MAT AND VENT STACK. FOR LANDSCAPES ADJACENT TO BUILDING, CONTACT PROJECT ENGINEER.
 - TURF SPECIFICATION AND SEEDBED PREPARATION
 - UNLESS REQUIRED FOR PARTICULAR BMP AREAS, ALL TURF ON WAWA LEASED PREMISES IS TO BE SOD. WHEN REQUIRED FOR BMP'S, SEED MIX IS TO MEET LOCAL REQUIREMENTS. SOD SHALL BE TURF TYPE TALL FESCUE AND INSTALLED ON A MINIMUM OF 4" OF TOPSOIL.
 - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS OR FERTILIZER MAY BE APPLIED AT THE RATE OF 260 POUNDS PER ACRE OR 6 POUNDS PER 1000 SQUARE FEET USING 10-20-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS 4-12 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU OF TOPDRESSING.
 - WORK LIME AND FERTILIZER INTO THE SOIL AS PRACTICAL TO A DEPTH OF 4-INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISKING OPERATION SHOULD PARALLEL TO THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLE UNIFORM, FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILTY SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE.
 - INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE RETILLED AND FIRMED AS OUTLINED BELOW.
 - PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETENESS. THE CONTRACTOR SHALL REPLACE PLANTS, DEAD, UNHEALTHY, DYING OR DAMAGED THROUGH LOSS OF BRANCHES AND/OR FOLIAGE. LAWNS THAT ARE NOT IN GOOD CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REPAIRED UNTIL A GOOD LAWN RESULTS. IT IS UNDERSTOOD THAT THE OWNER SHALL ASSUME RESPONSIBILITY FOR WATERING ALL PLANT MATERIAL AND LAWN AREA BEGINNING WITH THE DATE OF SUBSTANTIAL COMPLETENESS.

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NOT APPROVED FOR CONSTRUCTION

PROJECT No.:	S194507
DRAWN BY:	CJM
CHECKED BY:	TWD
DATE:	1/25/19
SCALE:	1"=20'
CAD I.D.:	LPO

PROJECT:
PROP. SITE PLAN DOCUMENTS
FOR
Wawa
LOCATION OF SITE
465 MAPLE AVE W
TAX MAP #0383-02-0100
TOWN OF VIENNA, VIRGINIA

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1/25/19
PROFESSIONAL ENGINEER

SHEET TITLE:
LANDSCAPE PLAN
SHEET NUMBER:
C-700