

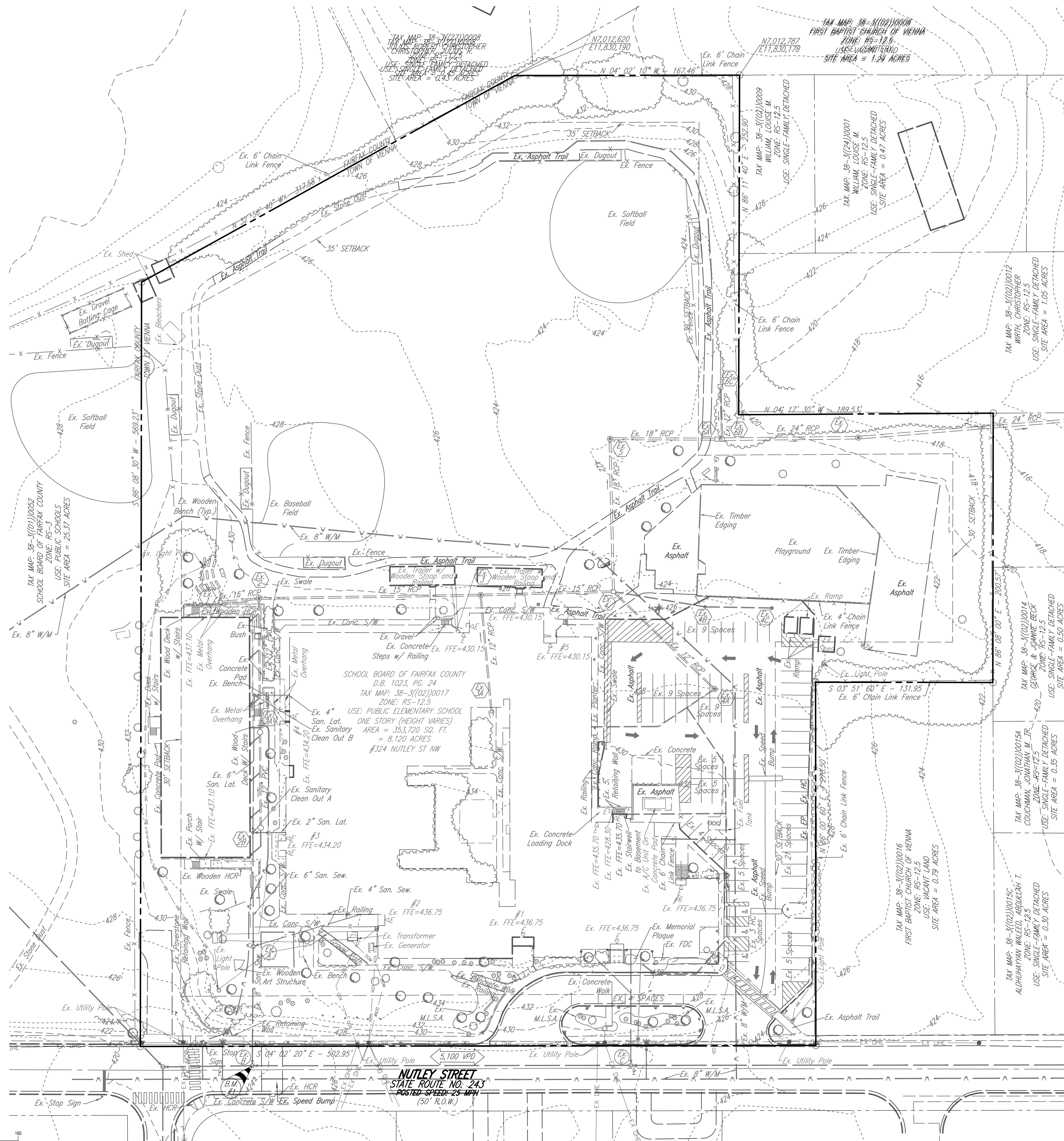
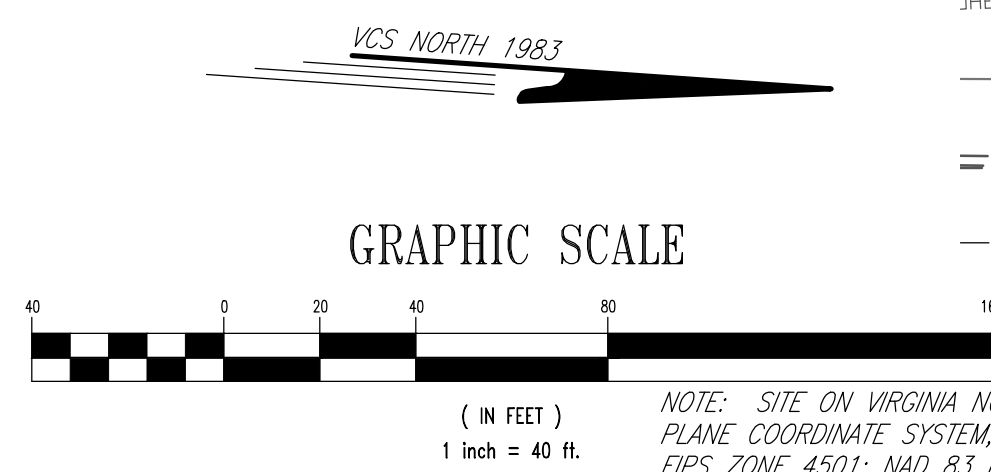
(Ex. 6) Ex. Manhole
 Ex. Top=424.18
 (B.M. #1) Ex. Inv. In=416.89 (From A)
 Ex. Inv. In=416.78 (From North)
 Ex. nv. Out=416.70 (To South)

Ex. Manhole
 Ex. Top=410.02
 Ex. Inv. In=406.15 (24" RCP from 7)
 Ex. Inv. In=405.82 (24" RCP from East)
 Ex. Inv. Out=405.47 (24" RCP to North)

NOTE: SEE SHEETS C.15.4 AND C.15.5 FOR DETAILED
TREE SURVEY

SITE SUMMARY:

EXISTING GROSS FLOOR AREA (BUILDING):	44,972 SQ. FT.
EXISTING GFA OF TRAILERS:	11,550 SQ. FT.
TOTAL GFA:	56,522 SQ. FT.
EXISTING PARKING:	76 SPACES
ADA PARKING:	3 SPACES
TOTAL PARKING:	79 SPACES



PROPOSED	EXISTING	DESCRIPTION
		SANITARY MANHOLE
		SANITARY STRUCTURE LABEL
		SANITARY CLEANOUT
		SANITARY CLEANOUT LABEL
		STORM SEWER STRUCTURE LABEL
		ROOF DRAIN LABEL
		CANOPY DRAIN LABEL
		TELEPHONE PEDESTAL
		LIGHT POLE
		UNDERGROUND ELECTRIC LINE
		UNDERGROUND TELEPHONE LINE
		CABLE TV LINE
		GAS LINE
		UTILITY POLE
		GAS VALVE
		WATERLINE
		WATER VALVE
		WATER METER
		FIRE HYDRANT
		FIRE DEPARTMENT CONNECTION
		STORM SEWER PIPE
		CURB AND GUTTER (CG-6)
		CURB AND GUTTER (CG-6R)
		GUTTER TRANSITION
		BUILDING FOOTPRINT
		BUILDING ENTRANCE
		ACCESSIBLE RAMP
		HANDICAP SPACE (VAN ACCESSIBLE HC SPACE)
		CHAIN LINK FENCE
		SIGN
		BOLLARD
		SPOT ELEVATION
		TREE LINE
		FLOW ARROWS
		100 YR OVERLAND RELIEF PATH
		VEHICLES PER DAY COUNT

ABBREVIATIONS	
APPROX.	APPROXIMATE
A=	ARC LENGTH
B.O.V.	BLOW OFF VALVE
B.R.L.	BUILDING RESTRICTION LINE
C.L.	CENTER LINE
C.O.	CLEAN OUT
CONC.	CONCRETE
C&G	CURB AND GUTTER
D.B.	DEED BOOK
DRN.	DRAINAGE
D.I.P.	DUCTILE IRON PIPE
ESMT.	EASEMENT
E.P.	EDGE OF PAVEMENT
ENT.	ENTRANCE
EX.	EXISTING
ELEV.	ELEVATION
S/R	FACE OF CURB RADIUS
F.H.	FIRE HYDRANT
H.C.	HANDICAPPED
H.H.	HAND HOLE
INSTR.#	INSTRUMENT NUMBER
INV.	INVERT
LAT.	LATERAL
L.P.	LIGHT POLE
L.D.	LOADING DOCK
L.S.	LOADING SPACE
M.S.	MAIN HOLE
MEP	MECHANICAL/ELECTRICAL/PLUMBING
M.L.S.A	MULCHED LANDSCAPE AREA
N.T.	NOW/FORMERLY
O.D.	OVERHEAD DOOR
P.G.	PAGE
P.V.M.T.	PAVEMENT
P.V.C.	POLYVINYL CHLORIDE
PROP.	PROPOSED
RCP	REINFORCED CONCRETE PIPE
RET. WALL	RETAINING WALL
R/W	RIGHT OF WAY
SAN.	SANITARY
SEW.	SEWER
S/W	SIDEWALK
SF	SQUARE FEET
STM.	STORM
T.M.	TEMPORARY
TEMP.	TO BE ABANDONED
T.B.A	TO BE REMOVED
T.R.	TYPICAL
V.A.	VAN ACCESSIBLE
W/L	WATERLINE

ADA ACCESS NARRATIVE

THE PROJECT IS DESIGNED TO MEET 2010 ADA GUIDELINES. ADA ACCESS IS PROVIDED AT MULTIPLE LOCATIONS ON-SITE. IN ADDITION, THE MAIN ENTRANCE WILL PROVIDE ADA ACCESS TO THE BUILDING. THE PATH CAN BE SEEN ON SHEET C6.0.

VPD COMPUTATIONS:

(Trip Generation, 10th Edition - Institute of Transportation Engineers)
Land Use: 520 Elementary School
Average Trips vs. Students on a Weekday
(50% entering, 50% exiting)

Average Rate = 1.89 (see graph on ITEtripGen Web-based app
Website: Trip Generation, 10th Edition)
Number of Students = 830
No. of Trips = $T = 2.13(N) - 184.07$
= $2.13(830) - 184.07$
= $1,768 - 184.07$
= $1,584$ VPD

AM PEAK HOUR COMPUTATIONS:

(Trip Generation, 10th Edition - Institute of Transportation Engineers)
Land Use: 520 Elementary School
Average Trips vs. Students on a Weekday, AM Peak Hour
(45% entering, 45% exiting)

Number of Students = 830
No. of Trips = 540 VPH
* BASED ON THE GRAPH FROM ITETRIPGEN.ORG

PM PEAK HOUR COMPUTATIONS:

(Trip Generation, 10th Edition - Institute of Transportation Engineers)
Land Use: 520 Elementary School
Average Trips vs. Students on a Weekday, PM Peak Hour
(45% entering, 55% exiting)

Number of Students = 830
No. of Trips = 282 VPH
* BASED ON THE GRAPH FROM ITETRIPGEN.ORG

BUILDING SUMMARY:

USE: PUBLIC ELEMENTARY SCHOOL
TOTAL EXISTING GROSS FLOOR AREA: 56,522 SQ. FT.
EXISTING GROSS FLOOR AREA (BUILDING): 44,972 SQ. FT.
EXISTING GFA OF TRAILERS: 11,550 SQ. FT.
EXISTING GFA TO BE DEMOLISHED: 11,550 SQ. FT.
EXISTING GFA TO REMAIN: 44,972 SQ. FT.
PROP. ADDITIONS GFA: 48,000 SQ. FT.
TOTAL GROSS FLOOR AREA: 44,972 + 48,000 = 92,972 SQ. FT.
PROPOSED FAR: 0.26
BUILDING HEIGHT: VARIES (SEE THIS SHEET)
NO. OF FLOORS: 2

PARKING SUMMARY:

REQUIRED: 1 PER EMPLOYEE + 4 VISITOR = 75 SPACES
PROVIDED: 105 SPACES (6 ADA SPACES)
LOADING PROVIDED: 2 SPACES
BIKE RACKS PROVIDED: 10 (20 SPACES)

GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.
NOTE: SITE ON VIRGINIA NORTH STATE PLANE COORDINATE SYSTEM, ZONE 551, FIPS ZONE 4501; NAD 83 DATUM

NOTE: ALL CONSTRUCTION SHALL CONFORM TO FCPS, TOWN OF VIENNA, FAIRFAX COUNTY AND FAIRFAX WATER STANDARDS AND SPECIFICATIONS.

NOTE: SEE ARCHITECT PLANS FOR DETAILED BUILDING DIMENSIONS.

NOTE: TEST PITS SHALL BE REQUESTED A MINIMUM OF 48 HOURS IN ADVANCE FOR THOSE UTILITIES REQUIRING THEM.

NOTE: ANY UTILITY POLES & BOXES, GUY WIRES, OR OTHER ABOVE OR BELOW GROUND UTILITIES THAT CONFLICT WITH THE PROPOSED CONSTRUCTION MAY HAVE TO BE ADJUSTED OR RELOCATED. THE CONTRACTOR IS TO COORDINATE THESE REQUIRED CHANGES WITH THE UTILITY COMPANIES PRIOR TO CONSTRUCTION.

NOTE: CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM BUILDING.

NOTE: SHOULD OFF-SITE GRADING BECOME NECESSARY DUE TO FIELD CONDITIONS IT SHALL BE DONE BY LETTER OF PERMISSION.

NOTE: CONTRACTOR TO CLEAN & SOD STAGING AREA AFTER CONSTRUCTION.

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANYTHING DAMAGED DURING THE CONSTRUCTION PROCESS.

NOTE: CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS AT ALL TIMES.

NOTE: PROPOSED BUILDING ADDITIONS ARE HATCHED.

NOTE: ALL RADII ARE 5.0' UNLESS OTHERWISE NOTED.

NOTE: FILL TO BE CONDITIONED AND COMPACTED AS SPECIFIED IN THE SOILS REPORT.

NOTE: ALL HANDICAP SPACES SHALL BE CONCRETE WITH A SLOPE NOT EXCEEDING 2% IN ANY DIRECTION.

NOTE: THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE CONTINUANCE OF SERVICE.

NOTE: THE GRADING/EXCAVATION CONTRACTOR FOR THE SUBJECT SITE IS REQUIRED TO NOTIFY, IN WRITING, THE ASSIGNED SITE INSPECTOR REGARDING ANY EXCESS MATERIAL PROPOSED TO BE HAULED OFF-SITE PRIOR TO HAULING. THE NOTIFICATION MUST INDICATE THE QUANTITY OF MATERIAL TO BE MOVED OFF-SITE, THE IDENTIFICATION OF THE RECEIVING SITE WHERE THE EXCESS WILL BE TAKEN AND ALL INFORMATION NECESSARY TO SHOW THAT SUCH RECEIVING SITE HAS BEEN PROPERLY PERMITTED AND HAS E&S CONTROLS INSTALLED.

NOTE: CONTRACTOR REQUIRED TO PROVIDE AS-BUILT SURVEY (PROVIDED BY LICENSED SURVEYOR) OF ROUGH GRADING BEFORE FINE GRADING TO ENSURE THAT OVERLAND RELIEF IS IN PLACE.

NOTE: ALL PROPOSED SANITARY SEWER AND LATERALS SHOWN ON PLAN SHALL BE MAINTAINED BY FCPS.

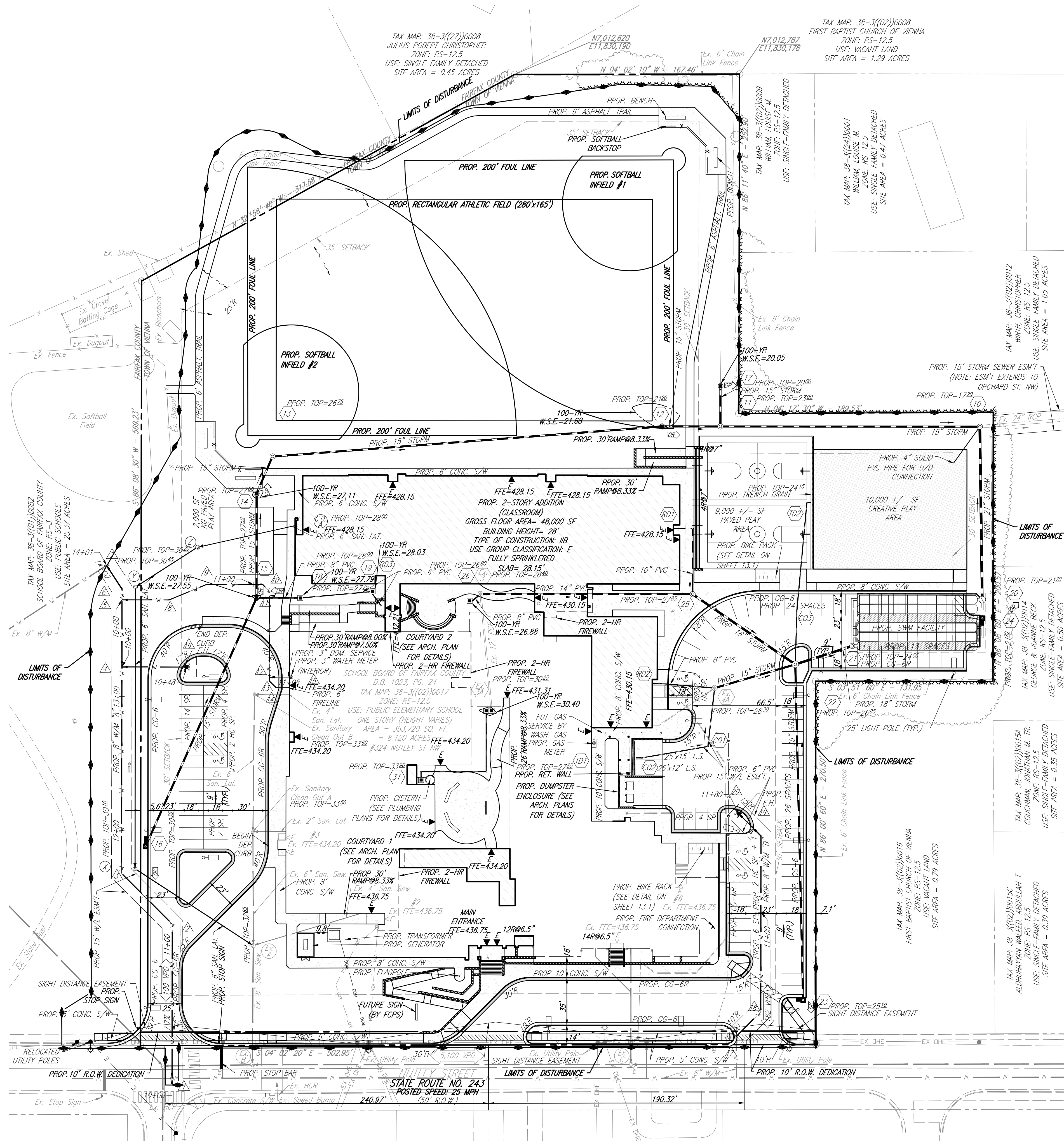
NOTE: WHERE BOLLARDS ARE PROPOSED IN SIDEWALK, CENTER OF ALL BOLLARDS SHALL BE PLACED 1' BEHIND BACK OF CURB.

NOTE: ALL RAMPS AND RISERS/STEPS SHALL HAVE HANDRAILS ON EITHER SIDE OF THE RAMP/RISER/STEP TO MEET ADA REQUIREMENTS.

NOTE: ALL PROPOSED SIDEWALK CONNECTIONS AT ALL BUILDING ENTRANCES SHALL HAVE A 5-FOOT LANDING SLOPED AT 2% ADJACENT TO THE DOOR.

NOTE: FINAL LOCATIONS OF ALL PLAY LINES ON ASPHALT PLAY AREA TO BE CONFIRMED BY FCPS PRIOR TO PLACEMENT.

NOTE: CONTRACTOR TO INSTALL CONDUIT AND NECESSARY WIRES TO SCHOOL SIGN. SEE ELECTRICAL PLAN FOR DETAILS.



RINKER DESIGN ASSOCIATES, P.C.

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LAYOUT PLAN

**LOUISE ARCHER
ELEMENTARY SCHOOL
RENOVATION & ADDITION**

HUNTER MILL ELECTION DISTRICT
TOWN OF VIENNA

REVISIONS:

STATE PROJ#:

DATE: DECEMBER 22, 2021

DESIGN: NJG/BMY

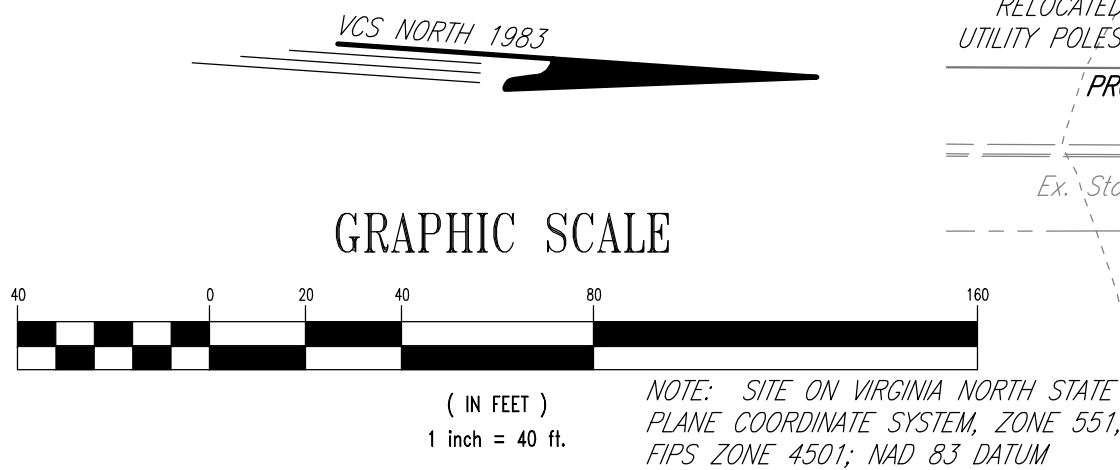
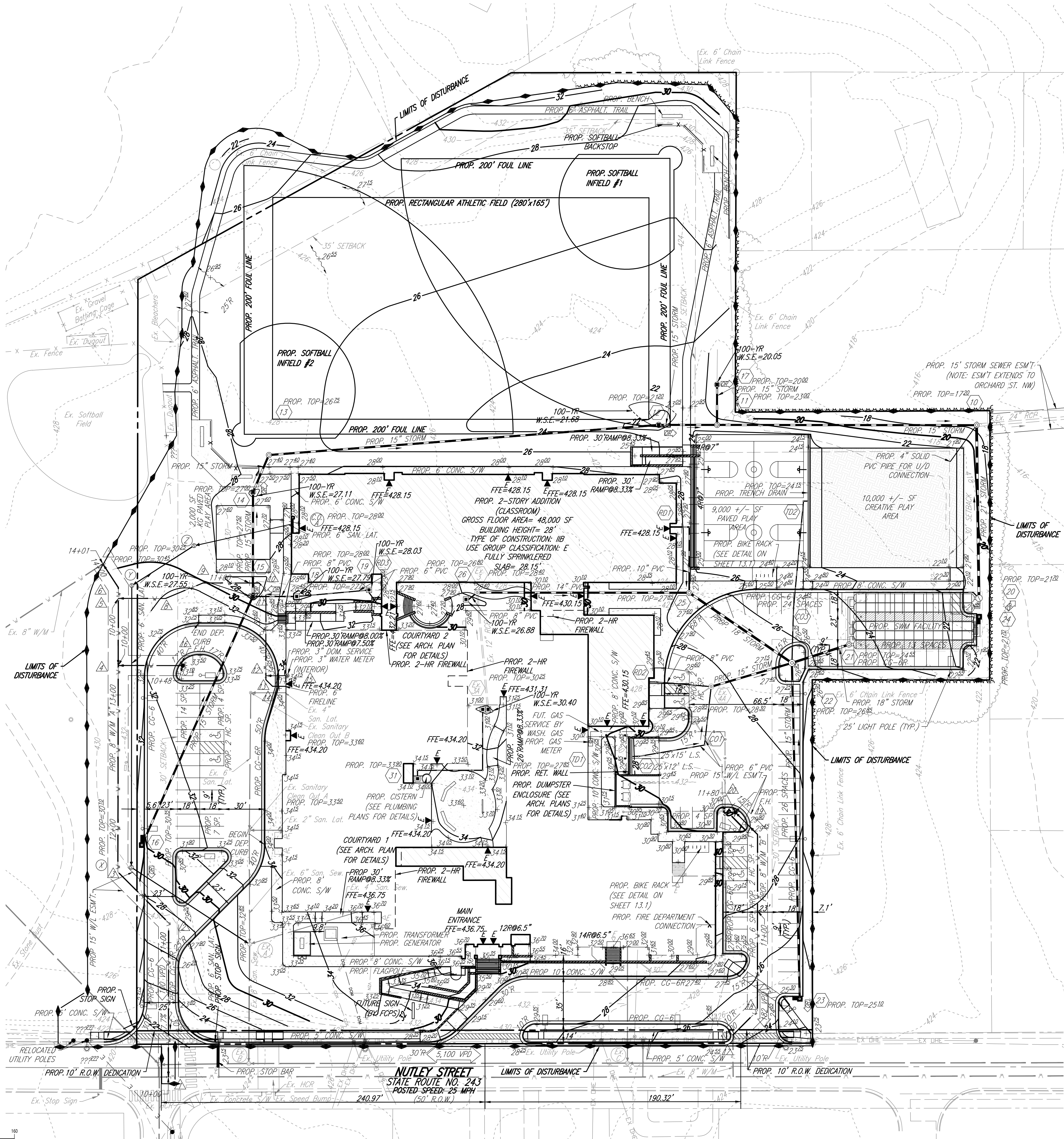
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ARCH: ARCH. INC.

RDA JOB NUMBER: 20010

TOWN REFERENCE: 525873

SHEET NUMBER: C4.0



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GRADING & DRAINAGE PLAN

LOUISE ARCHER ELEMENTARY SCHOOL RENOVATION & ADDITION
 HUNTER MILL ELECTION DISTRICT
 TOWN OF VIENNA

REVISIONS:

STATE PROJ#:

DATE:	DECEMBER 22, 2021
DESIGN:	NJG/BMY
CHECKED BY:	JDC
ARCH:	ARCH. INC.
RDA JOB NUMBER:	20010
TOWN REFERENCE:	525873
SHEET NUMBER:	C6.0

PLANTING SCHEDULE

SYMBOL	KEY	QUAN.	BOTANICAL NAME	COMMON NAME	CALIPER/FEET	ROOT	SQ.FT. EACH	SQ.FT. COVER
DECIDUOUS CANOPY TREES (TOTAL: 75)								
	Lt	16	Liriodendron Tulipifera	Tuliptree	2" CALIPER	B&B	300	4,800
	Qp	16	Quercus Phellos	Willow Oak	2" CALIPER	B&B	300	4,800
	Ta	16	Tilia Americana	American Linden	2" CALIPER	B&B	300	4,800
	Ua	17	Ulmus Americana	American Elm	2" CALIPER	B&B	300	5,100
	lo	8	Ilex Opaca	American Holly	8' Height	B&B	100	800
	Cf	4	Cornus Florida	Flowering Dogwood	8' Height	B&B	100	400
							TOTAL COVER= 20,700	

TREE COVER CALCULATIONS

TOTAL SITE AREA: 8.120 ACRES = 353,720 SQUARE FEET
REQUIRED TREE COVER: 20% = 70,744 SQUARE FEET
EXISTING TREE COVER SAVED: 6,607 SQUARE FEET
PROPOSED TREE COVER: 19,500 SQUARE FEET
TOTAL TREE COVER: 26,107 SQUARE FEET (7.38%)**

**A MODIFICATION REQUEST WILL BE REQUESTED FOR THE TREE COVER SHORTFALL.

INVASIVE SPECIES MANAGEMENT PLAN

- ALL INVASIVE PLANTS AND VINES WITHIN TREE-SAVE AREAS SHALL BE CONTROLLED AND REMOVED FROM TREES.
- SUPPRESSION METHODOLOGY SHALL BE APPLIED AT APPROPRIATE TIMES BASED ON SELECTED METHODOLOGY. FOR INSTANCE, CUTTING, PULLING, AND GRUBBING MAY OCCUR AT ANY TIME; HERBICIDE APPLICATION MAY BE UTILIZED AT DIFFERENT TIMES OF THE CALENDAR, DEPENDING ON THE PRODUCT BEING USED.
- EQUIPMENT UTILIZED MAY BE MACHETES, POWER OR HAND SHEARS, WEED WRENCHES, TROWELS, SPADES, SHOVELS, PICKS, OR HOES. SOLARIZATION MAY BE USED WHEN PLANTS ARE IN GROWTH. SUPERVISED COATS MAY BE APPROPRIATE IN SOME SITUATIONS. MULCH AND OR WEED BARRIERS MAY BE APPROPRIATE IN SOME SITUATIONS.
- SUPPRESSION SHALL BE DONE UNDER THE SUPERVISION OF A CERTIFIED ARBORIST OR REGISTERED CONSULTING ARBORIST (PROVIDED BY THE GC) WHO CAN IDENTIFY THE TARGET SPECIES AND DESIRABLE SPECIES, AND NON-TARGET SPECIES SHALL BE PROTECTED WHILE CONTROL PROCEDURES ARE UNDERTAKEN, TO THE EXTENT PRACTICABLE.
- AT THE TIME OF THE PRE-CONSTRUCTION MEETING, METHODOLOGY USED TO CONTROL THE TARGET INVASIVE SPECIES AS WELL AS PROPER DISPOSAL OF INVASIVE SPECIES SHALL BE DISCUSSED.
- BY STATE AND FEDERAL LAW, ANY PESTICIDES SHALL BE APPLIED IN ACCORDANCE WITH LABEL INSTRUCTIONS, AND SHALL BE APPLIED UNDER THE SUPERVISION OF A STATE LICENSED PROFESSIONAL APPLICATOR OR REGISTERED TECHNICIAN AND UNDER THE GENERAL SUPERVISION OF THE PROJECT ARBORIST.
- MONITORING SHALL OCCUR AT LEAST FOUR TIMES PER GROWING SEASON TO DETERMINE NEED FOR SUPPRESSION OF INVASIVE SPECIES. AFTER SUPPRESSION BEGINS THE GC SHALL PROVIDE WRITTEN REPORTS TO FOPS TO OUTLINE PROCEDURE AND SUCCESS RATE. FOPS SHALL PROVIDE THE REPORTS TO TOWN OF VIENNA STAFF AS REQUESTED.
- INVASIVE SPECIES TO BE REMOVED FROM ALL AREAS SHOWN AS TREE CANOPY TO BE PRESERVED.

LEGEND

NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	
	SUPER SILT FENCE	SSF	

NOTE: SUPER SILT FENCE ACTS AS TREE PROTECTION.

Legend

	-DENOTES EXISTING TREE		-DENOTES EX. TREE LINE
	-DENOTES CANOPY TREE		-DENOTES PROP. TREE LINE
	-DENOTES TREE FOR INTERIOR PARKING LOT LANDSCAPING		-DENOTES PLANTING BED TO BE LANDSCAPED BY THE PTA
	-DENOTES CANOPY TREE		-DENOTES POTENTIAL SHRUB LOCATION TO BE PLANTED BY PTA
	-DENOTES UNDERSTORY TREE		

THIS SHEET FOR
LANDSCAPING ONLY!!!

TREE PRESERVATION AREA

KEEP OUT

NO EQUIPMENT OR MATERIALS ARE TO BE
STORED OR DEPOSITED IN THIS AREA

(COMPANY NAMES AND CONTACT NUMBERS)

PENALTY FOR VIOLATIONS STRICTLY ENFORCED

AREA DE PRESERVACION DE ARBOLES

NO ENTRADA

NINGUN EQUIPO Y MATERIALES DEBEN SER
ALMACENADOS Y DEPOSITADOS EN ESTA AREA

(COMPANY NAMES AND CONTACT NUMBERS)

HAY UNA ESTRUCTICA PENA POR VIOLACION

SPECIFICATIONS:
DIMENSIONS: WIDTH: 11 INCHES (MINIMUM)
HEIGHT: 8 INCHES (MINIMUM)
BACKGROUND COLOR: YELLOW
LETTER SIZE: LARGE: 0.48 INCHES (MINIMUM)
SMALL: 0.26 INCHES (MINIMUM)

NOTE: SIGNS TO BE PLACED EVERY 30' ALONG LIMITS OF CLEARING
AND GRADING AND ALTERNATE BETWEEN ENGLISH AND SPANISH.

NOTE: SPANISH TRANSLATION TO BE CONFIRMED PRIOR TO INSTALLATION.

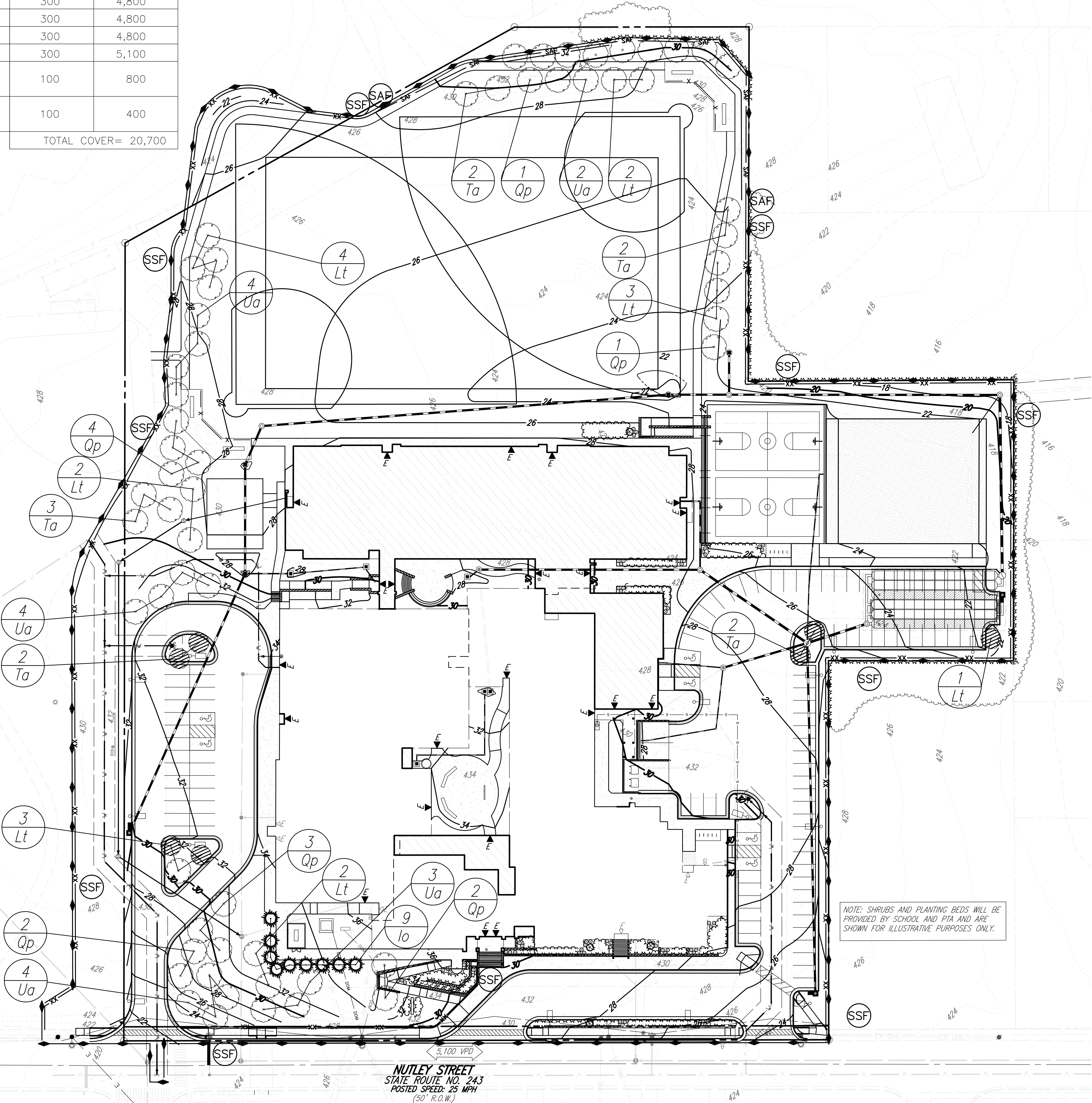
TREE PRESERVATION SIGN DETAIL

(NOT TO SCALE)

GRAPHIC SCALE



NOTE: SITE ON VIRGINIA NORTH STATE
PLANE COORDINATE SYSTEM, ZONE 551,
FIPS ZONE 4501; NAD 83 DATUM



NOTE: SHRUBS AND PLANTING BEDS WILL BE
PROVIDED BY SCHOOL AND PTA AND ARE
SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.



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TREE PRESERVATION &
LANDSCAPE PLAN

LOUISE ARCHER
ELEMENTARY SCHOOL
RENOVATION & ADDITION

HUNTER HILL ELECTION DISTRICT
TOWN OF VIENNA

REVISIONS:

STATE PROJ#:

DATE: DECEMBER 22, 2021

DESIGN: NJG/BMY

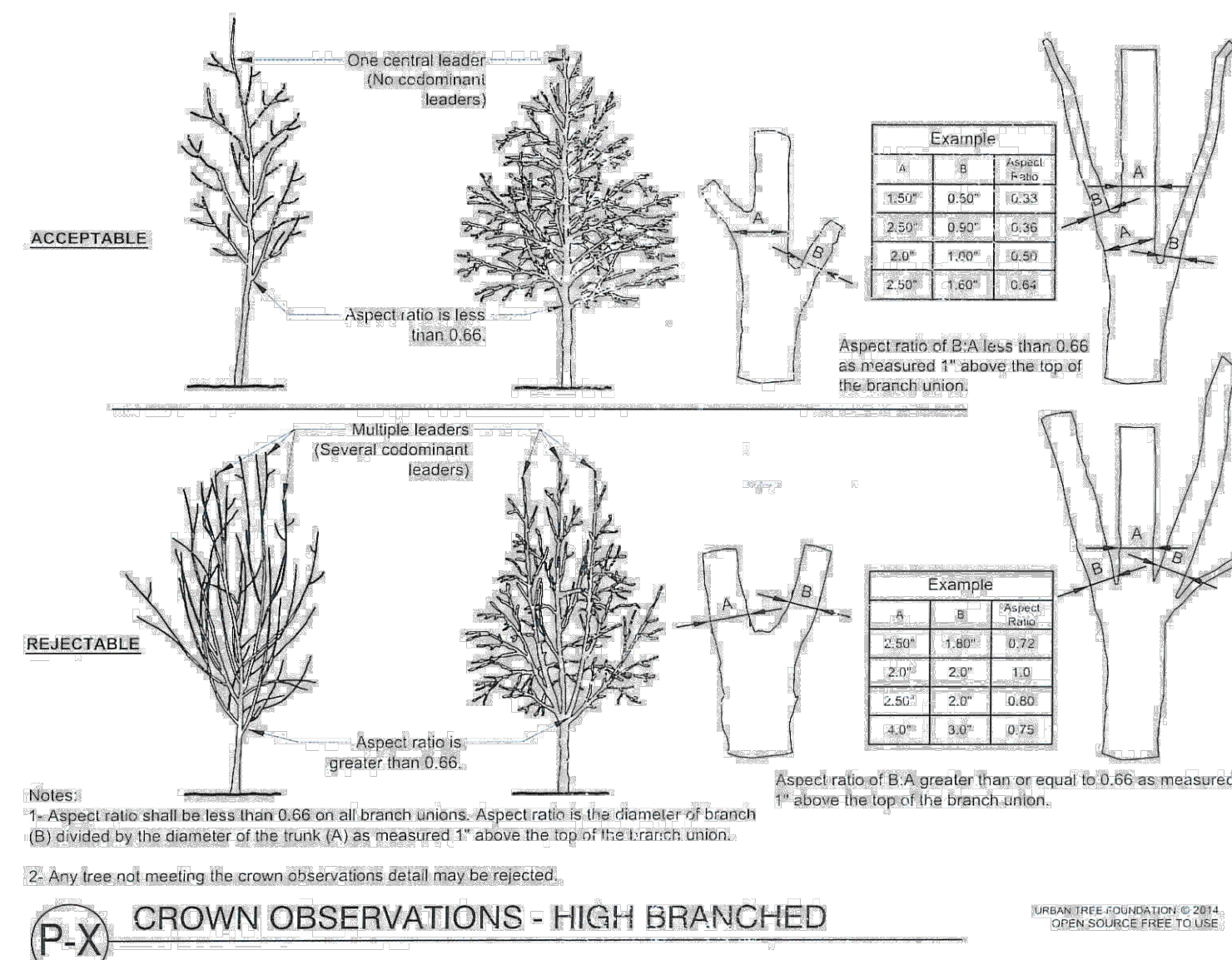
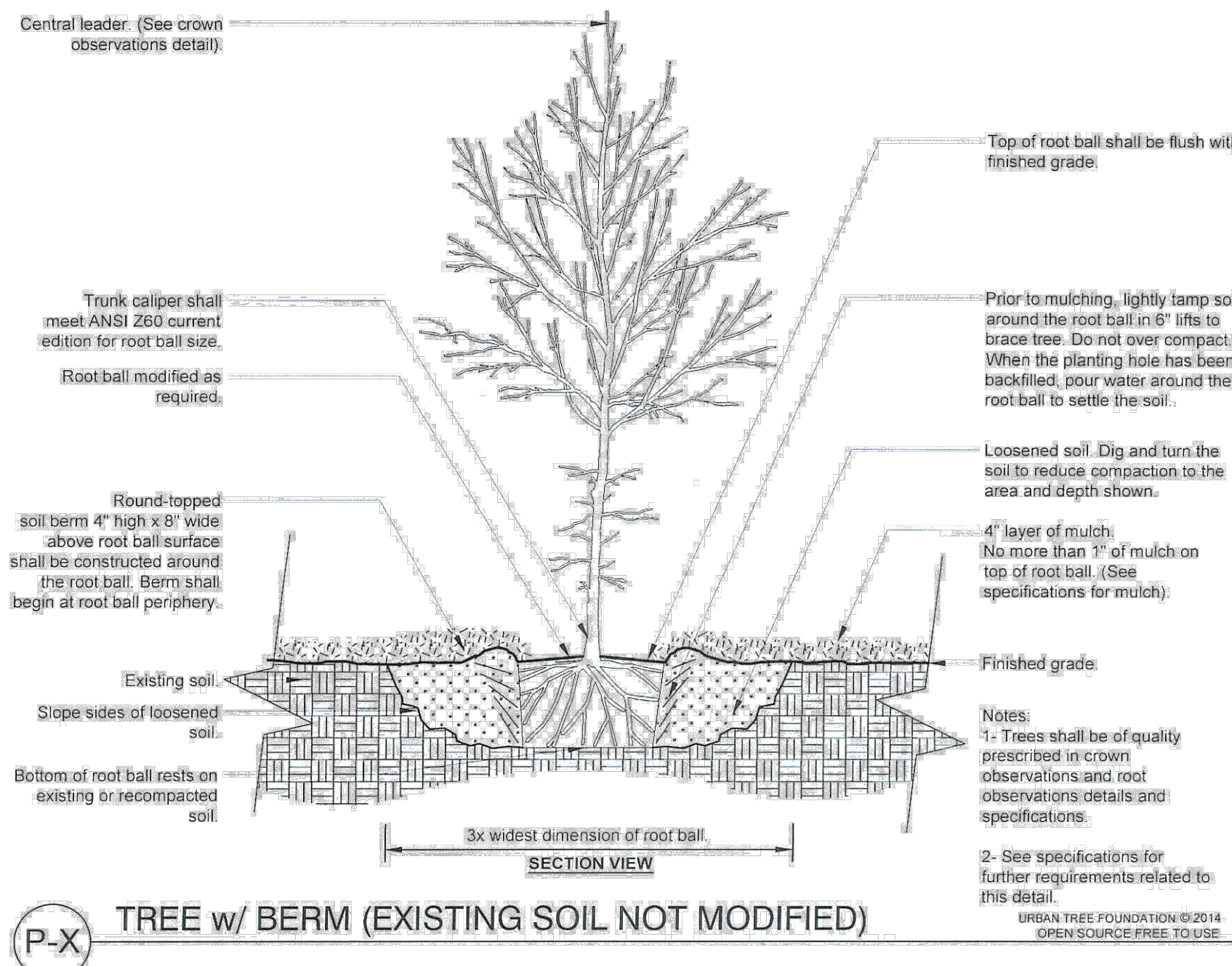
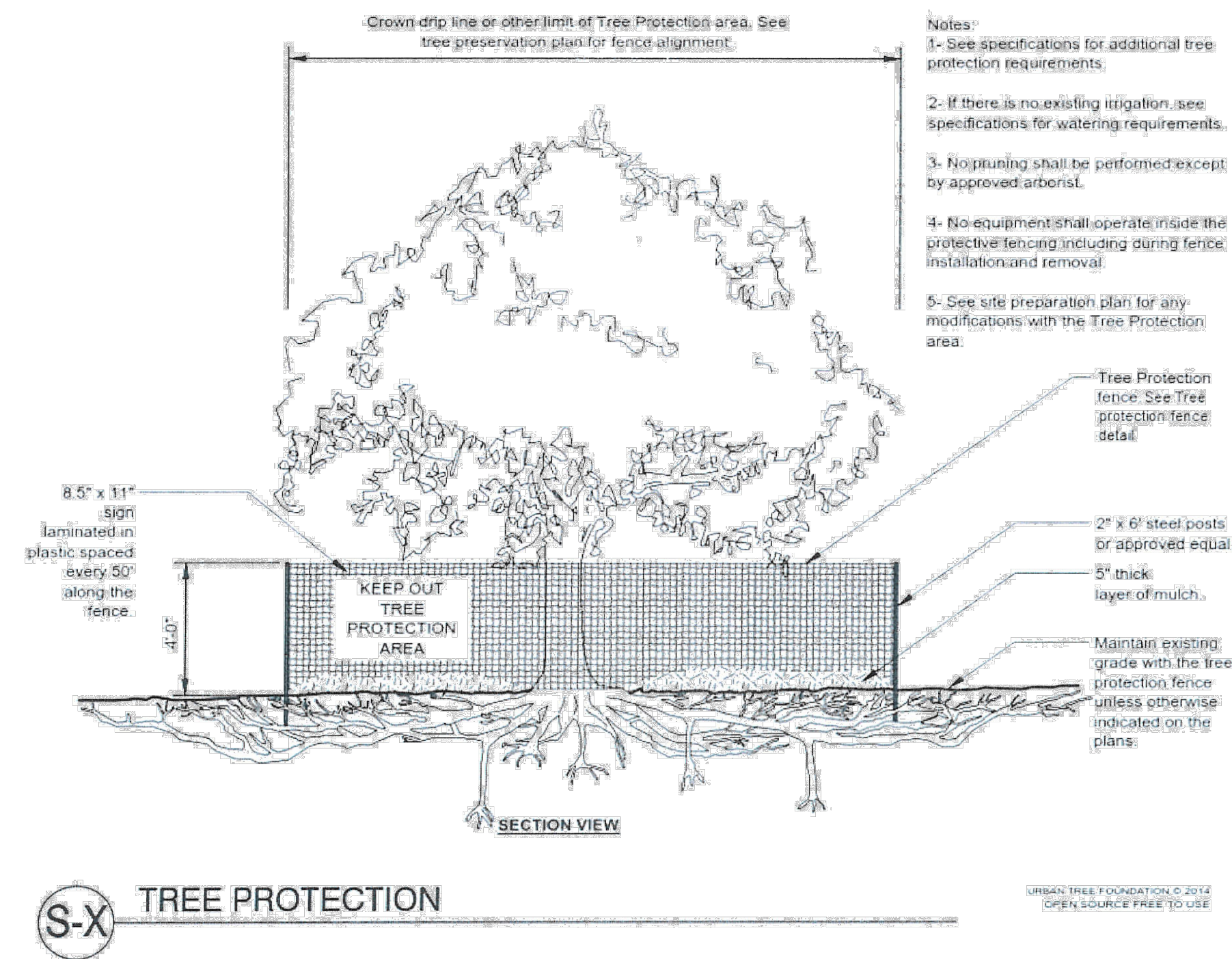
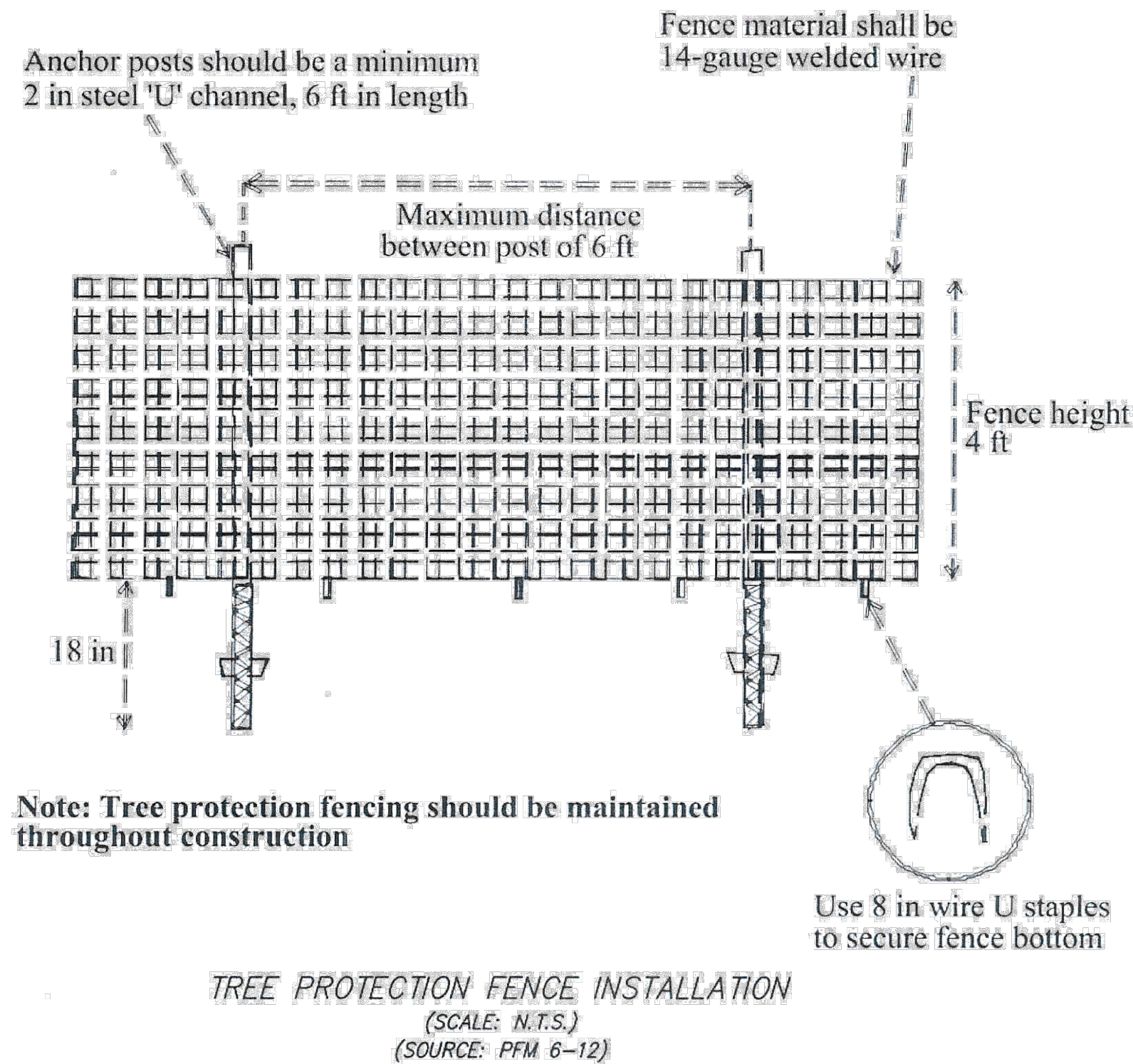
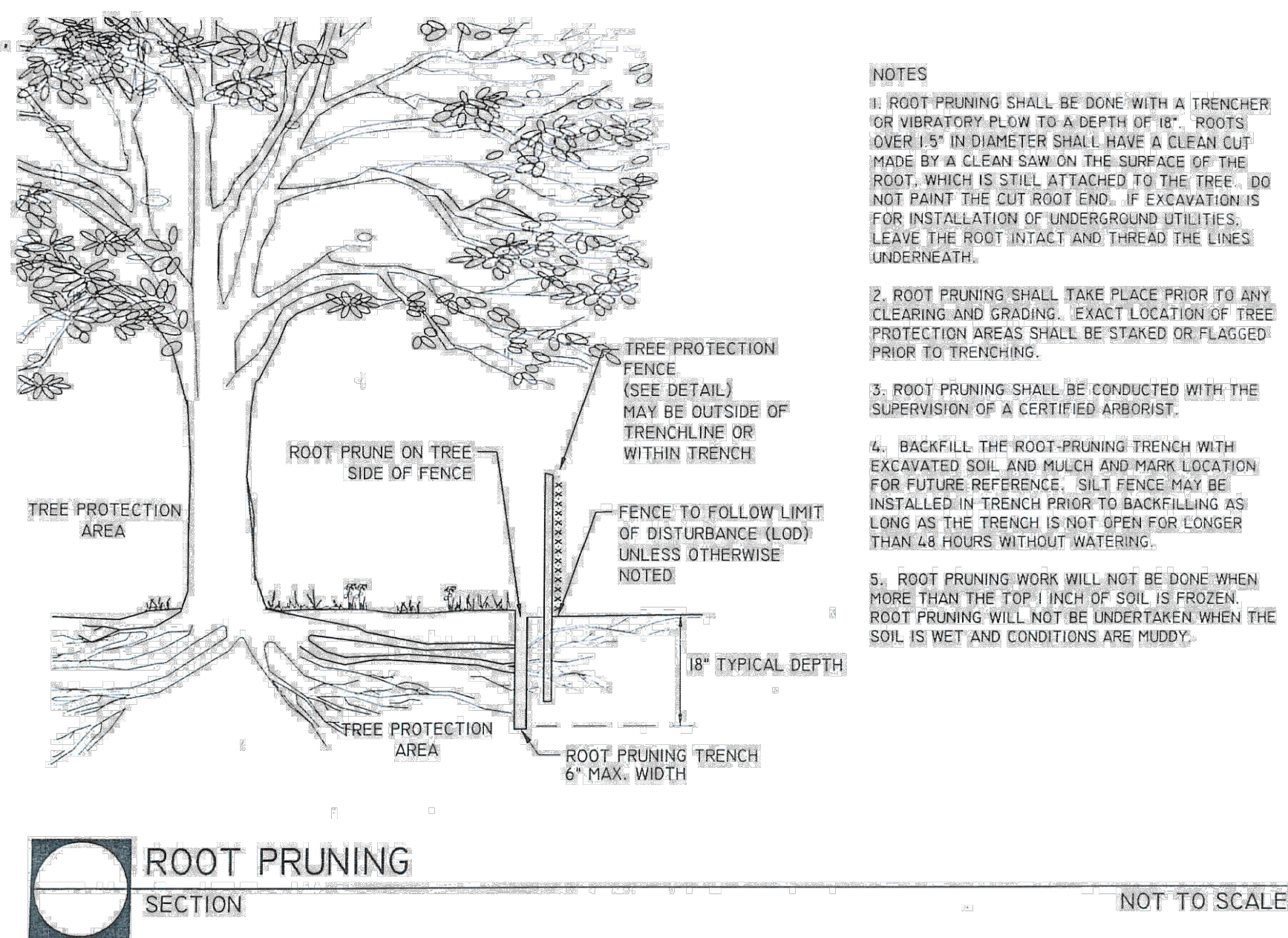
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ARCH: ARCH. INC.

RDA JOB NUMBER: 20010

TOWN REFERENCE: 525873

SHEET NUMBER: C15.0



PLANTING INSTALLATION GUIDELINES

1. CONTRACTOR AND OWNER SHALL BE RESPONSIBLE FOR MAKING THEMSELVES FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES, BY CONTACTING "MISS UTILITY" 72 HOURS PRIOR TO DIGGING. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE TO SAID UTILITIES.
2. DO NOT WILLFULLY PROCEED WITH PLANTING AS DESIGNED WHEN IT IS OBVIOUS THAT CONDITIONS AND/OR OBSTRUCTIONS EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. THE CONTRACTOR MAY BE RESPONSIBLE FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION TO THE OWNER SO THAT MATERIAL CAN BE RELOCATED OR CONDITIONS CORRECTED PRIOR TO PLANTING.
3. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER SOIL CONDITIONS WHICH INDICATE POTENTIAL FOR POOR DRAINAGE, PLANTING BEDS AND MATERIAL MAY BE RAISED SLIGHTLY, NO MORE THAN SIX (6) INCHES ABOVE EXISTING GRADES, TO COMPENSATE FOR THESE CONDITIONS. WHERE STANDING WATER, OR AREAS WHICH DO NOT DRAIN AT ALL ARE ENCOUNTERED, THESE AREAS MAY REQUIRE THE INSTALLATION OF UNDERGROUND DRAINAGE. THE CONTRACTOR SHALL BRING THESE CONDITIONS TO THE ATTENTION OF THE OWNER FOR CORRECTIVE DRAINAGE PROCEDURES, OR RELOCATION OF THE PLANT MATERIAL.
4. PLANT MATERIAL INSTALLED BY A LANDSCAPE CONTRACTOR, UNLESS OTHERWISE SPECIFIED OR DETAILED ON THESE DRAWINGS, SHALL CONFORM TO THE SECOND EDITION OF "THE LANDSCAPE SPECIFICATIONS GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" AS PUBLISHED BY THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS POTOMAC CHAPTER AND THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON. THESE PLANTING STANDARDS HAVE ALSO BEEN SUPPLEMENTED BY THE PLANTING GUIDELINES OF THE AMERICAN FOREST ASSOCIATION.
5. ANY DEVIATION FROM THE PLANTING LOCATION SHOWN ON THIS PLAN, SHALL BE APPROVED BY THE URBAN FORESTRY DIVISION. CONTRACTOR SHOULD NOTIFY THE OWNER FOR INSPECTION AFTER LAYOUT OF EACH AREA IS COMPLETE AND BEFORE FINAL INSTALLATION OF THE PLANT MATERIAL.
6. ALL TREES SHALL BE PLANTED IN STRICT ACCORDANCE WITH THE PLANTING DETAIL PROVIDED.

SOIL PREPARATION FOR SODDING

1. EXISTING SOIL OR TOP SOIL STORED ON SITE AND SPREAD AT A 3"-4" DEPTH OVER AREAS TO BE SODDED SHALL BE USED FOR ESTABLISHMENT OF TURF. ALL SUBGRADE AREAS TO BE SODDED SHALL BE LOOSENEED BY DISCING OR BY SCARIFYING TO A DEPTH OF NO LESS THAN 4 INCHES. ALL ESTABLISHED/EXISTING SITE GRADES MUST BE MAINTAINED. ANY ALTERATION OF EXISTING GRASSES COULD CAUSE DRAINAGE PROBLEMS. THE AREA TO BE SODDED SHALL BE FREE FROM ROOTS, BRUSH, STONES AND TRASH LARGER THAN 1-1/2" IN DIAMETER OR LENGTH.
2. SOIL TESTS SHALL BE CONDUCTED TO DETERMINE EXACT REQUIREMENTS FOR BOTH LIME AND FERTILIZER. SOIL TESTS SHALL BE CONDUCTED BY A STATE LABORATORY OR RECOGNIZED COMMERCIAL LABORATORY.
 - A. FERTILIZER: ALL FERTILIZER SHALL BE UNIFORM IN COMPOSITION FREE FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT. FERTILIZER APPLICATION RATES SHALL BE DETERMINED BY SOIL TESTS. FERTILIZER SHALL BE DISTRIBUTED EVENLY OVER THE ENTIRE AREA TO BE SODDED.
 - B. LIME: LIME MATERIAL SHALL BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED) WHICH CONTAINS AT LEAST 50% TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE) APPLICATION RATES FOR LIMING MATERIALS SHALL BE DETERMINED BY SOIL TESTS. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER THE ENTIRE AREA TO BE SODDED.
3. ALL LIME AND FERTILIZER SHALL BE UNIFORMLY MIXED INTO THE TOP 4 INCHES OF SOIL BY DISCING, HARROWING OR OTHER APPROVED METHODS. ANY UNDULATIONS OR IRREGULARITIES IN THE SURFACE RESULTING FROM FERTILIZING, TILLING OR OTHER CAUSES SHALL BE LEVELED PRIOR TO SODDING.
4. CONTRACTOR TO ENSURE EXISTING SOIL CONDITIONS ARE ADEQUATE FOR TREE PLANTING.

TREE BONDS

1. THE TOWN OF VIENNA MAY COLLECT TREE PROTECTION BONDS IN ACCORDANCE WITH 17-15T AND 18-252E OF THE TOWN OF VIENNA CODE.
2. ATTACH ONE COPY OF THE SITE DRAWING WITH TREE REMOVAL/REPLACEMENT LOCATION(S) SHOWN.
3. A TREE BOND MUST BE SUBMITTED PRIOR TO RECEIVING A FINAL DEMOLITION LETTER.
4. A TREE BOND MUST BE SUBMITTED FOR ANY TOWN OWNED TREES THAT COULD BE IMMEDIATELY IMPACTED BY CONSTRUCTION ACTIVITIES.
5. THE TOWN OF VIENNA'S TREE BOND TERM LENGTH IS 3 YEARS AFTER THE FINAL CERTIFICATE OF OCCUPANCY IS APPROVED AND RELEASED.

TREE PROTECTION STANDARDS

THE FOLLOWING TREE PROTECTION PRACTICES ARE TO BE FOLLOWED.

1. A PRE-CONSTRUCTION MEETING WITH THE TOWN OF VIENNA'S URBAN ARBORIST SHALL BE HELD ONSITE PRIOR TO ESTABLISHING PERIMETER CONTROLS SO THAT THE ARBORIST CAN EXPLAIN PROTECTION MEASURE TO OPERATORS, CONSTRUCTION SUPERVISORS, OR/OR CONTRACTOR'S REPRESENTATIVES.
2. CONTRACTOR SHALL STAKE CLEARING LIMITS ONSITE IN ORDER TO FACILITATE LOCATION FOR TRENCING AND FENCING INSTALLATION FOR TREE PROTECTION.
3. NO CLEARING OR GRADING SHALL BEGIN IN AREAS WHERE TREE PRESERVATION MEASURES HAVE NOT BEEN COMPLETED.
4. THE USE OF HEAVY EQUIPMENT IS STRICTLY PROHIBITED WITHIN TREE PRESERVATION AREAS, INCLUDING FOR THE PURPOSE OF REMOVING UNWANTED TREES, STRUCTURES, PADS, GRADING, SODDING, ETC. ANY STRUCTURE WITHIN THE TREE PRESERVATION AREA SHALL BE REMOVED BY HAND.
5. THE SEQUENCE FOR TREE PRESERVATION MEASURES, IF REQUIRED, SHALL BE IN THIS ORDER: ROOT PRUNING, TREE PROTECTION FENCING, TREE PRUNING AND CHEMICAL TREATMENT, AERATION SYSTEMS INSTALLED. THESE MEASURES SHALL BE DIRECTED IN THE FIELD BY THE CONSTRUCTION SUPERVISOR.
6. TREE PROTECTION FENCING SHALL BE MAINTAINED BY THE CONTRACTOR THROUGH DURATION OF CONSTRUCTION. NO ALTERATION SHALL OCCUR WITHOUT PRIOR APPROVAL BY A TOWN REPRESENTATIVE.
7. CRITICAL ROOT ZONE SHALL BE DEFINED AS 1.5' RADIUS PER 1" OF DBH (DIAMETER AT BREAST HEIGHT), WHICH SHALL BE MEASURED AT A HEIGHT OF 4.5' FROM HIGHEST POINT OF GROUND AT BASE OF TRUNK.
8. FOR A TREE TO COUNT FOR CANOPY COVERAGE CREDITS, NO MORE THAN 30% OF THE RESPECTIVE TREE'S CRITICAL ROOT ZONE SHALL BE IMPACTED BY CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO: TRENCING, GRADING, DIGGING, CUTTING, FILLING, ETC.
9. PROTECTION PROVIDED SHALL CONSIST OF FENCING AROUND THE TREE TO THE DRIP LINE, AND ENCLOSED AREAS SHALL BE KEPT FREE OF ALL SOIL EQUIPMENT, AND CONSTRUCTION MATERIAL STORAGE, WHICH INCLUDES FINAL GRADING AND LANDSCAPING EFFORTS.
10. ROOT PRUNING REQUIREMENTS: UNLESS OTHERWISE INSTRUCTED BY THE TOWN'S ARBORISTS, ROOT PRUNING MUST BE PERFORMED WHEN 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 LIMITS OF DISTURBANCE BY USING A ROOT PRUNING MACHINE OR VIBRATORY FLOW.
11. WHEN APPLICABLE, TRENCHLESS SILT FENCE SHALL BE USED FOR EROSION AND SEDIMENT CONTROL IN ORDER TO BETTER PROTECT AND PRESERVE ADJACENT-NEIGHBORING TREES THAT MAY BE IMPACTED BY CONSTRUCTION ACTIVITIES.
12. TREES THAT ARE DETERMINED BY THE TOWN ARBORIST TO BE IN "POOR" CONDITIONS SHALL NOT COUNT TOWARD CANOPY COVERAGE CALCULATIONS.
13. ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH CURRENT AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 PRUNING STANDARDS. SPIKES SHALL NOT BE USED TO CLIMB LIVE TREES UNLESS THE TREE IS BEING REMOVED.

NEW PLANTING STANDARDS

1. NEWLY PLANTED TREES SHALL BE HEALTHY AND VIGOROUS AND MEET ALL ANSI STANDARDS. ALL NEWLY INSTALLED TREES, AS ARE REQUIRED BY THE TREE CONSERVATION PLAN, WHICH IN THE OPINION OF THE TOWN ARBORIST ARE DEAD OR NOT HEALTHY, SHALL BE REPLACED BY THE CONTRACTOR.
2. NEW PLANTINGS SHALL BE A MINIMUM OF 2-2.5" CALIPER FOR DECIDUOUS TREES AND 6-8" IN HEIGHT FOR EVERGREENS.
3. DEER PROTECTION FENCING SHALL BE INSTALLED AROUND NEWLY PLANTED TREES.
4. A MINIMUM OF TWO DIFFERENT TREE SPECIES IS REQUIRED WHEN PLANTING 3-5 NEW TREES ON SITE. A MINIMUM OF THREE DIFFERENT TREE SPECIES IS REQUIRED FOR 6-9 NEW TREES INSTALLED ON SITE. A MINIMUM OF FOUR DIFFERENT TREE SPECIES IS REQUIRED FOR 10+ NEW TREE PLANTINGS.
5. 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' ON CENTER. SMALL ORNAMENTAL AND SMALL EVERGREEN TREES SHALL BE INSTALLED NO CLOSER THAN 15' ON CENTER.
6. PLANTINGS SHALL BE INSTALLED ONLY WITHIN THE FOLLOWING LISTED PLANTING SEASONS.
 - SPRING PLANTING SEASON: MARCH 15 - MAY 30
 - FALL PLANTING SEASON: SEPTEMBER 15 - NOVEMBER 30ANY TREE PLANTED OUTSIDE OF THESE DATES WILL BE REJECTED BY THE TOWN ARBORIST UPON INSPECTION.
7. A PLANTING SEASON WAIVER IS REQUIRED FOR TREES/SHRUBS THAT MUST BE INSTALLED OUTSIDE OF THE ACCEPTED PLANTING SEASON TO MEET CANOPY COVERAGE OR OTHER REQUIREMENTS AS SPECIFIED IN THE APPROVED PLANS FOR FINAL OCCUPANCY. CONSIDERATION AND APPROVAL OF A PLANTING SEASON WAIVER SHALL BE AT THE DISCRETION OF THE TOWN ARBORIST OR HIS/HER DESIGNEE.
8. IF A PLANTING SEASON WAIVER IS GRANTED, THE APPLICANT SHALL POST A BOND (CASH OR SURETY) THAT COVERS ANY TREE PLANTINGS REQUIRED FOR CANOPY COVERAGE ON THE SITE.
 - APPLICANT SHALL USE THE CURRENT TOWN OF VIENNA TREE PRESERVATION AND PLANTING SPECIFICATIONS MANUAL TO COMPUTE THE COST FOR PROPOSED TREES FOR CANOPY COVERAGE.
 - IF REQUIRED TREE PLANTINGS ARE NOT PROVIDED WITHIN THE FOLLOWING PLANTING SEASON, THE OWNER/APPLICANT WILL BE NOTIFIED AND THE ENTIRE BOND WILL BE FORFEITED TO THE TOWN OF VIENNA. THE TOWN WILL USE THE BOND MONEY TO COMPLETE REQUIRED TREE PLANTINGS. ANY ADDITIONAL CHARGES FOR COMPLETING THE PLANTINGS SHALL BE BORNE BY THE APPLICANT.
 - BOND WILL BE RELEASED UPON A PASSING INSPECTION BY THE TOWN ARBORIST.

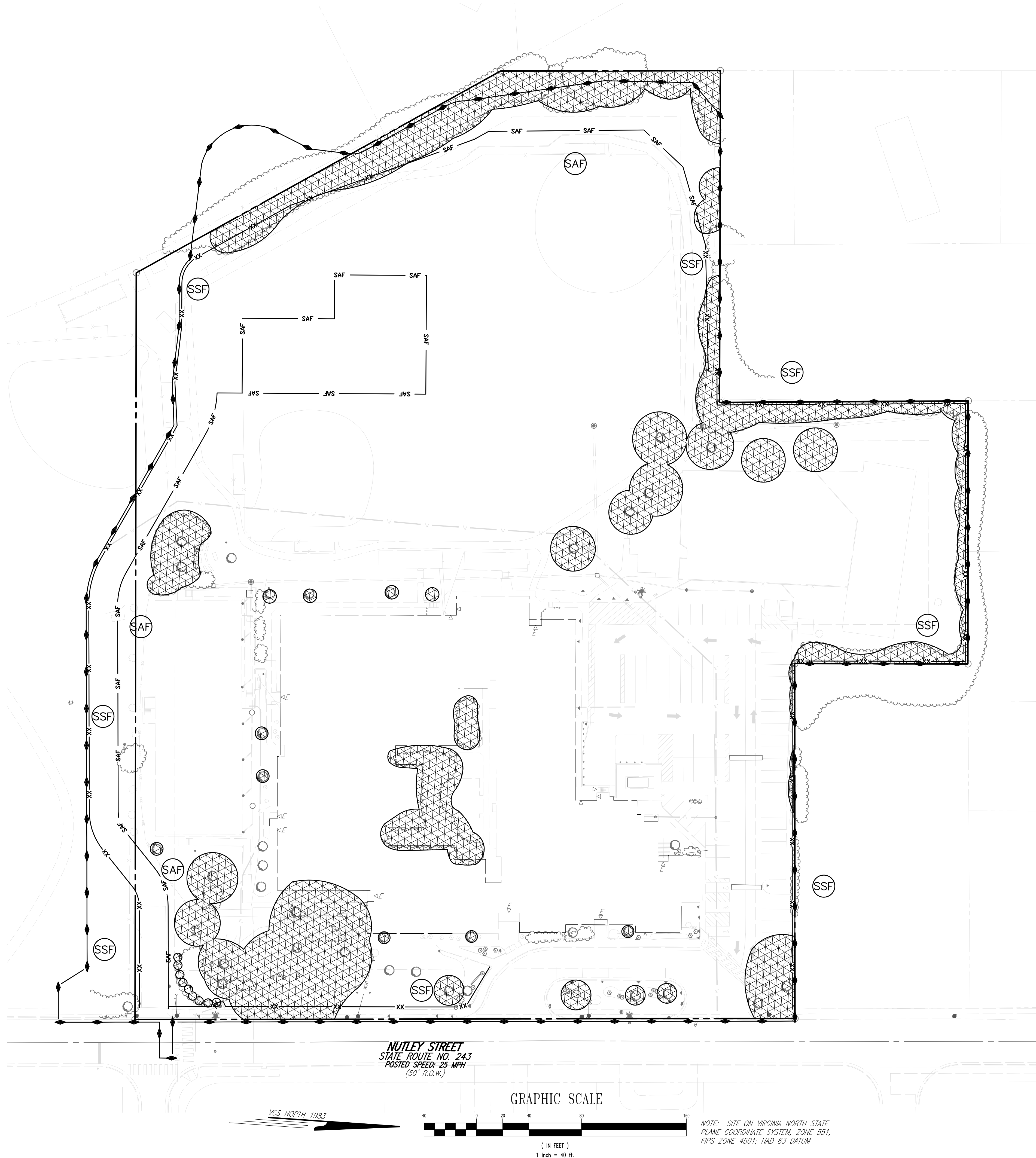
LEGEND			
NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	
3.05	SILT FENCE	SF	X—X—X
	SUPER SILT FENCE	SSF	—XX—

NOTE: SUPER SILT FENCE ACTS AS TREE PROTECTION.

Legend

	—EXISTING CANOPY COVER (48,791 SQ. FT.)
—XX—	—DENOTES SUPER SILT FENCE TO BE UTILIZED FOR TREE PROTECTION
—◆—	—DENOTES LIMITS OF CLEARING AND GRADING

NOTE: THE STATUS OF TREES AND REQUIRED TREE PRESERVATION ACTIVITIES MAY CHANGE BASED ON TREE CONDITION AT THE PRE-CONSTRUCTION MEETING WITH THE DEVELOPER, CONTRACTOR, PROJECT ARBORIST, AND THE TOWN OF VIENNA'S ARBORIST. FINAL DECISIONS REGARDING TREES TO REMAIN AND BE REMOVED AND REQUIRED TREE PRESERVATION ACTIVITIES SHALL BE DETERMINED AT THAT TIME BY THE TOWN ARBORIST.



NUTLEY STREET
STATE ROUTE NO. 243
POSTED SPEED: 25 MPH
(50' R.O.W.)

GRAPHIC SCALE

NOTE: SITE ON VIRGINIA NORTH STATE
PLANE COORDINATE SYSTEM, ZONE 551,
FIPS ZONE 4501; NAD 83 DATUM

PRE-DEVELOPMENT CANOPY COVER

LOUISE ARCHER
ELEMENTARY SCHOOL
RENOVATION & ADDITION
HUNTER HILL ELECTION DISTRICT
TOWN OF VIENNA

REVISIONS:

STATE PROJ#:

DATE:	DECEMBER 22, 2021
DESIGN:	NJG/BMY
CHECKED BY:	JDC
ARCH:	ARCH. INC.
RDA JOB NUMBER:	20010
TOWN REFERENCE:	525873
SHEET NUMBER:	C15.2



RINKER DESIGN ASSOCIATES, P.C.

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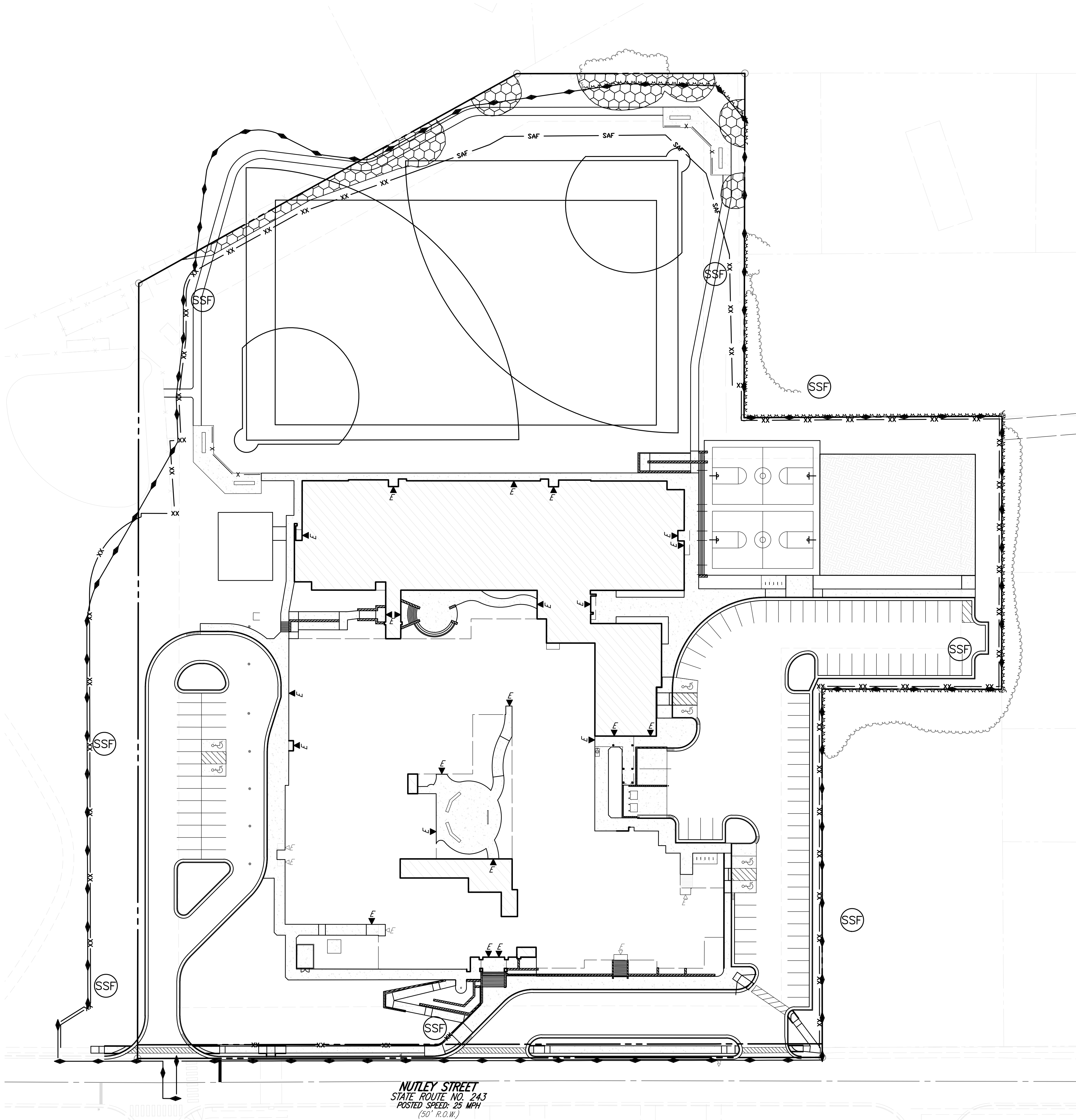
LEGEND			
NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	
3.05	SILT FENCE	SF	X—X—X
	SUPER SILT FENCE	SSF	—XX—

NOTE: SUPER SILT FENCE ACTS AS TREE PROTECTION.

Legend

	-CANOPY COVER PRESERVED (6,607 SQ. FT.)
—XX—	-DENOTES SUPER SILT FENCE TO BE UTILIZED FOR TREE PROTECTION
—◆—	-DENOTES LIMITS OF CLEARING AND GRADING

NOTE: THE STATUS OF TREES AND REQUIRED TREE PRESERVATION ACTIVITIES MAY CHANGE BASED ON TREE CONDITION AT THE PRE-CONSTRUCTION MEETING WITH THE DEVELOPER, CONTRACTOR, PROJECT ARBORIST, AND THE TOWN OF VIENNA'S ARBORIST. FINAL DECISIONS REGARDING TREES TO REMAIN AND BE REMOVED AND REQUIRED TREE PRESERVATION ACTIVITIES SHALL BE DETERMINED AT THAT TIME BY THE TOWN ARBORIST.



NUTLEY STREET
STATE ROUTE NO. 243
POSTED SPEED: 25 MPH
(50' R.O.W.)

GRAPHIC SCALE

NOTE: SITE ON VIRGINIA NORTH STATE
PLANE COORDINATE SYSTEM, ZONE 551,
HIPS ZONE 4501; NAD 83 DATUM

POST-DEVELOPMENT CANOPY COVER

LOUISE ARCHER
ELEMENTARY SCHOOL
RENOVATION & ADDITION
HUNTER HILL ELECTION DISTRICT
TOWN OF VIENNA

REVISIONS:

STATE PROJ#:

DATE:	DECEMBER 22, 2021
DESIGN:	NJG/BMY
CHECKED BY:	JDC
ARCH:	ARCH. INC.
RDA JOB NUMBER:	20010
TOWN REFERENCE:	525873
SHEET NUMBER:	C15.3

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Appendix
Development Tree Inventory
Louise Archer Elementary School
Fairfax County, Virginia
April 26, 2021

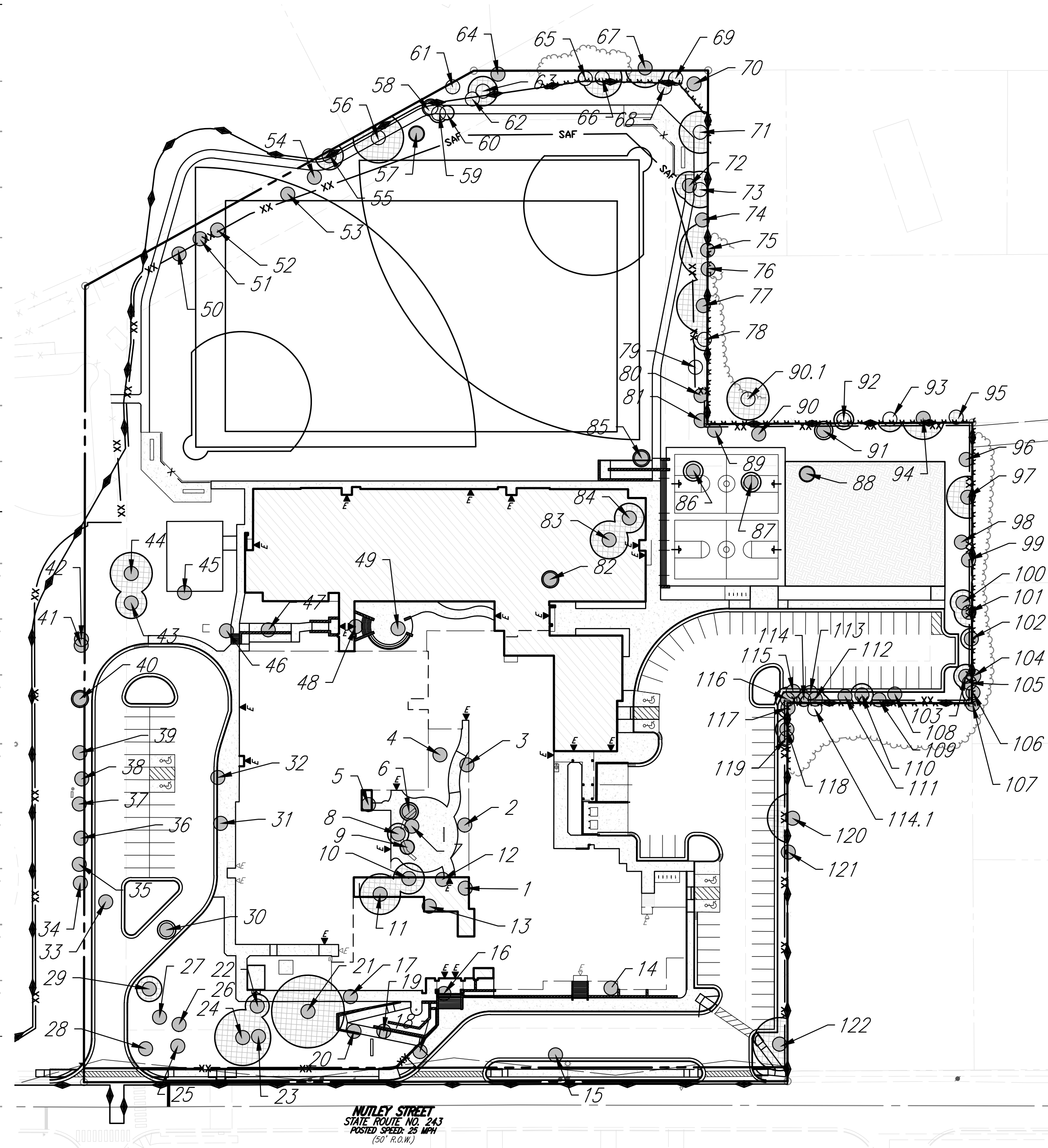
Prepared by
Edward P. Milhous
TreesPlease®

ASCA RCA #350 ISA #MA-0004A MD TE #458

Tree #	Name	Size	Condition	Comment	Recommendation
1	Japanese maple <i>Acer palmatum</i> Species Rating: 90%	4	.56	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.
2	crapemyrtle <i>Lagerstroemia indica</i> Species Rating: 80%	5/4/4	.6	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: this tree was recently topped.	Do not save this tree... remove it when clearing.
3	Japanese maple <i>Acer palmatum</i> Species Rating: 90%	4	.5	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.
4	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	6	.5	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
5	Foster's holly <i>Ilex x attenuata</i> 'Fosteri' Species Rating: 85%	10/7	.72	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.
6	Canadian hemlock <i>Tsuga canadensis</i> Species Rating: 55%	13/2	.56	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Hemlock woolly adelgids are present. Scale insects are present.	Do not save this tree... remove it when clearing.
7	crapemyrtle <i>Lagerstroemia indica</i> Species Rating: 80%	5/5/5/4/4	.6	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.
8	Canadian hemlock <i>Tsuga canadensis</i> Species Rating: 55%	14/15	.56	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Scale insects are present. Hemlock woolly adelgids are present.	Do not save this tree... remove it when clearing.
9	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	6/8	.72	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
10	eastern white pine <i>Pinus strobus</i> Species Rating: 50%	22	.4	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. There is sparse, stunted growth of foliage in this tree. Foliage is chlorotic... that is, light green. Improperly pruned: pruning stubs were left. There is too little space for this tree.	Do not save this tree... remove it when clearing.
11	eastern white pine <i>Pinus strobus</i> Species Rating: 50%	29	.6	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Storm damage is evident. This is a serious problem for this tree. Improperly pruned: pruning stubs were left. There is too little space for this tree.	Do not save this tree... remove it when clearing.
13	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	4	.4	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
13	Atlantic whitecedar <i>Chamaecyparis thyoides</i> Species Rating: 80%	9	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.
14	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	6	.2	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. <i>Hypoxylon</i> spp. fungus evident: that stem is dead or dying.	Do not save this tree... remove it when clearing.
15	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	5/5/4	.5	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. Improperly pruned: overpruned... it was "skinned out." Improperly pruned: pruning stubs were left.	This tree is to be saved. (THIS TREE IS TO BE REMOVED)
16	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	6	.5	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." Improperly pruned: pruning stubs were left. Dying back... usually from disease or root system decline. This tree's growth is mostly on one side.	Do not save this tree... remove it when clearing.
17	flowering dogwood <i>Cornus florida</i> Species Rating: 65%	8	.5	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." This tree's growth is mostly on one side.	Do not save this tree... remove it when clearing.
18	kousa dogwood <i>Cornus kousa</i> Species Rating: 90%	4/4/4/4/4	.56	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.
19	crabapple <i>Malus</i> spp. Species Rating: 75%	4/2/2/2/2	.64	Suitability for preservation: <i>good</i> . Stem and buttress roots are buried in soil and/or mulch. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.
20	flowering cherry <i>Prunus serrulata</i> Species Rating: 60%	6/6/5/4	.24	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. Dying back... usually from disease or root system decline. Canker diseases are evident. Stem and buttress roots are buried in soil and/or mulch.	Do not save this tree... remove it when clearing.
21	red maple <i>Acer rubrum</i> Species Rating: 80%	52	.48	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. DANGER! Large pieces of wood could fall at any time. This tree is, or has been, a feeding station for sap suckers. Improperly pruned: overpruned... it was "skinned out." Stem and buttress roots are buried in soil and/or mulch.	Do not save this tree... remove it when clearing.
22	red maple <i>Acer rubrum</i> Species Rating: 80%	17	.48	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. <i>Kretzschmaria</i> fungus fruiting bodies... indicates decay. DANGER! Large pieces of wood could fall at any time. Improperly pruned: overpruned... it was "skinned out." Stem and buttress roots are buried in soil and/or mulch.	Do not save this tree... remove it when clearing.
23	black cherry <i>Prunus serotina</i> Species Rating: 60%	17	.64	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Stem and buttress roots are buried in soil and/or mulch. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.

* -FCPS WILL CONTACT OWNER, SEE TREE PRESERVATION NOTES 14 & 15 ON SHEET C.15.1.

24	red maple <i>Acer rubrum</i> Species Rating: 80%	40	.56	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Included bark is evident. This is a serious problem for this tree. Stem and buttress roots are buried in soil and/or mulch. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.
25	shadbush <i>Amelanchier arborea</i> Species Rating: 90%	4/2/2	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Stem and buttress roots are buried in soil and/or mulch.	Do not save this tree... remove it when clearing.
26	southern magnolia <i>Magnolia grandiflora</i> Species Rating: 80%	4	.76	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Has died back in the past... but seems to be recovering. Stem and buttress roots are buried in soil and/or mulch.	Do not save this tree... remove it when clearing.
27	shadbush <i>Amelanchier arborea</i> Species Rating: 90%	3/3/2/2/2	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Stem and buttress roots are buried in soil and/or mulch.	Do not save this tree... remove it when clearing.
28	Oriental arborvitae <i>Thuja orientalis</i> (16 plants) Species Rating: 60%	4	.8	These trees would be desirable in the new setting. These trees have no chance of surviving construction.	Do not save these trees... remove them when clearing.
29	white mulberry <i>Morus alba</i> Species Rating: 30%	16/16/15/18	.64	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.
30	red maple <i>Acer rubrum</i> Species Rating: 80%	13	.64	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Basal sprouts are present. Improperly pruned: overpruned... it was "skinned out." Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
31	Japanese maple <i>Acer palmatum</i> Species Rating: 90%	3/3	.4	Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." Mowers are damaging this tree's trunk and/or roots.	Do not save this tree... remove it when clearing.
32	Japanese maple <i>Acer palmatum</i> Species Rating: 90%	6	.56	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.
33	eastern redcedar <i>Juniperus virginiana</i> Species Rating: 90%	7	.64	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
34	* Oriental arborvitae <i>Thuja orientalis</i> Species Rating: 60%	4	2.74	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
35	* eastern redcedar <i>Juniperus virginiana</i> Species Rating: 90%	6/4	.72	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
36	* sassafras <i>Sassafras albidum</i> Species Rating: 90%	3/3/3/3/3	.8	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. It may have grown from stump sprouts of a previous tree. Improperly pruned: pruning stubs were left.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
37	* eastern redcedar <i>Juniperus virginiana</i> Species Rating: 90%	6	.72	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. There is sparse growth of foliage in this tree. Assorted vines are attached to this tree's trunk.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
38	* black cherry <i>Prunus serotina</i> Species Rating: 60%	2/2/2/2/2	.72	It is not clear whose tree this is. Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out."	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
39	* eastern redcedar <i>Juniperus virginiana</i> Species Rating: 90%	8/8	.76	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
40	* eastern redcedar <i>Juniperus virginiana</i> Species Rating: 90%	12/5	.8	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
41	* eastern redcedar <i>Juniperus virginiana</i> Species Rating: 90%	10	.8	It is not clear whose tree this is. Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
42	* black cherry <i>Prunus serotina</i> Species Rating: 60%	6	.6	It is not clear whose tree this is. Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." This tree crowds a better tree.	Determine whose tree this is before removing or pruning. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.
43	Virginia pine <i>Pinus virginiana</i> Species Rating: 50%	22	.68	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: pruning stubs were left. Mowers are damaging this tree's trunk and/or roots.	Do not save this tree... remove it when clearing.
44	black gum <i>Nyssa sylvatica</i> Species Rating: 90%	30	.76	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Included bark is evident. Dead branches in this tree's crown are a minor problem.	Do not save this tree... remove it when clearing.
45	flowering plum <i>Prunus cerasifera</i> Species Rating: 50%	5/5/4/4/4	0	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. This tree is dead.	Do not save this tree... remove it when clearing.
46	redbud <i>Cercis canadensis</i> Species Rating: 80%	4	.48	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. <i>Hypoxylon</i> spp. fungus evident: that stem is dead or dying. Improperly pruned: overpruned... it was "skinned out." Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
47	redbud <i>Cercis canadensis</i> Species Rating: 80%	5	.6	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." Mowers are damaging this tree's trunk and/or roots. Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
48	redbud <i>Cercis canadensis</i> Species Rating: 80%	8	.56	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out." Mowers are damaging this tree's trunk and/or roots. This is a severe problem for this tree! Improperly pruned: pruning stubs were left.	Do not save this tree... remove it when clearing.
49	crapemyrtle <i>Lagerstroemia indica</i> Species Rating: 80%	4/4	.72	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned: overpruned... it was "skinned out."	Do not save this tree... remove it when clearing.



LOUISE ARCHER ELEMENTARY SCHOOL TREE PRESERVATION NARRATIVE/ACTIVITIES

- 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 TRENCHING AND FENCING INSTALLATION FOR TREE PROTECTION.
- NO CLEARING OR GRADING SHALL BEGIN IN AREAS WHERE TREE PRESERVATION MEASURES HAVE NOT BEEN COMPLETED.
- THE SEQUENCE OF TREE PRESERVATION MEASURES, IF REQUIRED, SHALL BE AS FOLLOWS:
A. ROOT PRUNING TRENCHING; B. TREE PROTECTION FENCING; C. TREE PRUNING AND CHEMICAL TREATMENT; D. AERATION SYSTEMS INSTALLED; E. THE PRECEDING MEASURES SHALL BE DIRECTED IN THE FIELD BY THE CONSTRUCTION SUPERVISOR.
- NO ALTERATION SHALL OCCUR WITHOUT PRIOR APPROVAL BY A TOWN REPRESENTATIVE.
- ACCESS TO FENCED PRESERVATION AREAS BY CONSTRUCTION EQUIPMENT AND MATERIALS WILL NOT BE ALLOWED. ONLY LIMITED ACCESS, IF NECESSARY, SHALL BE PERMITTED WITH THE PRIOR APPROVAL OF THE TOWN INSPECTOR.
- ALL DESIGNATED AERATION ZONES SHALL BE PROTECTED WITH TEMPORARY FENCING UNTIL FINAL GRADING.
- REMOVAL OF TREES, SHRUBS, OR UNDERGROWTH FROM PROTECTED AREAS SHALL BE PERFORMED ONLY WHEN NECESSARY AND WITH HAND TOOLS ONLY.
- ATTACHMENT OF ANY CONSTRUCTION SIGNS, FENCING, ETC. TO ANY TREE TO BE SAVED IS STRICTLY PROHIBITED.
- UPON CONSTRUCTION COMPLETION, ALL TEMPORARY BARRIERS, FENCING, DEBRIS, ETC. SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- ALL REQUIRED PROTECTIVE FENCING SHALL BE INSTALLED ALONG THE CLEARING DISTURBANCE LIMITS OF THE SITE.
- PROTECTIVE FENCING SHALL BE INSTALLED ALONG THE EDGE OF ALL CRITICAL ROOT ZONES OF SAVED AND IMPACTED TREES WITHIN THE DISTURBED AREAS.

NO.	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	
3.05	SILT FENCE	SF	
	SUPER SILT FENCE	SSF	

NOTE: SUPER SILT FENCE ACTS AS TREE PROTECTION.

Legend

	-DENOTES TREES TO BE REMOVED
	-DENOTES CRITICAL ROOT ZONE
	-DENOTES SUPER SILT FENCE TO BE UTILIZED FOR TREE PROTECTION
	-DENOTES LIMITS OF CLEARING AND GRADING

THIS TREE PRESERVATION PLAN WAS PREPARED BASED OFF OF INFORMATION PROVIDED BY EDWARD P. MILHOUS. MR. MILHOUS IS A REGISTERED CONSULTING ARBORIST THROUGH THE AMERICAN SOCIETY OF CONSULTING ARBORISTS (#350). MR. MILHOUS IS ALSO A CERTIFIED ARBORIST REGISTERED WITH THE INTERNATIONAL SOCIETY OF ARBORICULTURE (#MA-0004A).

GRAPHIC SCALE



NOTE: SITE ON VIRGINIA NORTH STATE PLANE COORDINATE SYSTEM, ZONE 551, FIPS ZONE 4501; NAD 83 DATUM



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TREE PRESERVATION PLAN

**LOUISE ARCHER
ELEMENTARY SCHOOL
RENOVATION & ADDITION**

HUNTER HILL ELECTION DISTRICT
TOWN OF VIENNA

REVISIONS:

STATE PROJ#:

DATE: DECEMBER 22, 2021

DESIGN: NJG/BMY

CHECKED BY: JDC

ARCH: ARCH. INC.

RDA JOB NUMBER: 20010

TOWN REFERENCE: 525873

SHEET NUMBER: C15.4

Appendix Development Tree Inventory Louise Archer Elementary School , Fairfax County, Virginia						April 26, 2021
Tree #	Name	Size	Condition	Comment	Recommendation	
50	tree of heaven <i>Ailanthus altissima</i> (6 plants) Species Rating: 30%	6	.8	Suitability for preservation: <i>poor</i> ... species is undesirable. These trees have no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree. DBH estimated.	Do not save these trees... remove them when clearing.	
51	tree of heaven <i>Ailanthus altissima</i> Species Rating: 30%	6/5	.8	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree. DBH estimated.	Do not save this tree... remove it when clearing.	
52	tree of heaven <i>Ailanthus altissima</i> Species Rating: 30%	6/5/4	.8	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree. DBH estimated.	Do not save this tree... remove it when clearing.	
53	tree of heaven <i>Ailanthus altissima</i> (3 plants) Species Rating: 30%	4	.8	Suitability for preservation: <i>poor</i> ... species is undesirable. Their chances of surviving construction are very poor. One of the worst invasive exotics, it is an undesirable tree. DBH estimated.	Do not save these trees... remove them when clearing.	
54	white mulberry <i>Morus alba</i> Species Rating: 30%	7/2/2	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is fair. One of the worst invasive exotics, it is an undesirable tree. DBH estimated.	Do not save this tree... remove it when clearing.	
55	white mulberry <i>Morus alba</i> Species Rating: 30%	20	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by English ivy. DBH estimated.	Do not save this tree... remove it when clearing.	
56	silver maple <i>Acer saccharinum</i> Species Rating: 40%	20/36	.64	Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is fair. <i>Obscured hazard</i> : This tree's trunk is hidden by English ivy. Included bark is evident. DBH estimated.	This tree is to be saved. Cut ivy at ground level; prevent regrowth on the tree. Install a cable system to lend support & reduce failure risk. Included bark is evident.	
57	white mulberry <i>Morus alba</i> Species Rating: 30%	11/8	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is poor/fair. One of the worst invasive exotics, it is an undesirable tree. DBH estimated.	Do not save this tree... remove it when clearing.	
58	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	12	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. Poison ivy is growing up this tree's trunk. DBH estimated.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
59	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	13	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. DBH estimated.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
60	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	10	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. DBH estimated.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
61	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	4/2	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. DBH estimated.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
62	silver maple <i>Acer saccharinum</i> Species Rating: 40%	8	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. DBH estimated.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
63	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	21	.8	Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is good. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
64	white mulberry <i>Morus alba</i> Species Rating: 30%	4	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. DBH estimated. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.	
65	black cherry <i>Prunus serotina</i> Species Rating: 60%	8/6	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by English ivy.	This tree is to be saved. Cut ivy at ground level; prevent regrowth on the tree.	
66	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	28	.8	Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is good. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. Poison ivy is growing up this tree's trunk.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
* 67	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	28/23	.64	May be jointly-owned with neighbors. Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is good. Included bark is evident. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. This tree has a cavity that is home to wildlife.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
68	sassafras <i>Sassafras albidum</i> Species Rating: 60%	5	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
69	sassafras <i>Sassafras albidum</i> Species Rating: 60%	4	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. DBH estimated.	This tree is to be saved.	
70	white mulberry <i>Morus alba</i> Species Rating: 30%	6	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is good. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by brush.	Do not save this tree... remove it when clearing.	
71	red maple <i>Acer rubrum</i> Species Rating: 80%	30	.64	Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is good. <i>Obscured hazard</i> : This tree's trunk is hidden by English ivy. This is a severe problem for this tree! There being no access, this tree was checked from afar.	This tree is to be saved. Cut ivy at ground level; prevent regrowth on the tree.	
72	unidentified	20	0	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. This tree is dead. DBH estimated.	Do not save this tree... remove it when clearing.	
73	American elm <i>Ulmus americana</i> Species Rating: 35%	26	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. There being no access, this tree was checked from afar. Dutch elm disease is a threat to any American elm.	This tree is to be saved.	
74	white mulberry <i>Morus alba</i> Species Rating: 30%	6/4	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is fair/good. DBH estimated. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.	

* -FCPS WILL CONTACT OWNER, SEE TREE PRESERVATION NOTES 14 & 15 ON SHEET C.15.1 -

Appendix Development Tree Inventory Louise Archer Elementary School , Fairfax County, Virginia						April 26, 2021
Tree #	Name	Size	Condition	Comment	Recommendation	
75	white mulberry <i>Morus alba</i> Species Rating: 30%	40	.72	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is fair. One of the worst invasive exotics, it is an undesirable tree. There being no access, this tree was checked from afar. Storm damage is evident. An old fence is embedded in this tree's trunk.	Do not save this tree... remove it when clearing.	
76	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	22	.72	Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is very poor. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. This is a severe problem for this tree! There being no access, this tree was checked from afar.	Do not save this tree... remove it when clearing.	
77	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	38	.8	Suitability for preservation: <i>moderate</i> . Its chance of surviving planned construction is very poor. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Do not save this tree... remove it when clearing.	
78	white mulberry <i>Morus alba</i> Species Rating: 30%	16	.64	It is not clear whose tree this is. Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is very poor. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. There is a shear plane fracture in this tree's trunk. This is a severe problem for this tree!	<i>Do not remove off-site plants without owner consent. Leave plants alone if you don't have permission to cut. Do not save this tree... remove it when clearing.</i>	
79	black locust <i>Robinia pseudoacacia</i> Species Rating: 50%	4	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is fair. <i>Obscured hazard</i> : This tree's trunk is hidden by brush.	This tree is to be saved.	
80	white mulberry <i>Morus alba</i> Species Rating: 30%	10	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is fair. One of the worst invasive exotics, it is an undesirable tree. <i>Obscured hazard</i> : This tree's trunk is hidden by brush.	Do not save this tree... remove it when clearing.	
81	white mulberry <i>Morus alba</i> Species Rating: 30%	8	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is fair. One of the worst invasive exotics, it is an undesirable tree. <i>Obscured hazard</i> : This tree's trunk is hidden by brush.	Do not save this tree... remove it when clearing.	
82	willow oak <i>Quercus phellos</i> Species Rating: 90%	12	.72	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Scale insects are present.	Do not save this tree... remove it when clearing.	
83	red maple <i>Acer rubrum</i> Species Rating: 80%	27	.56	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Gloomy scale insects are present. There appears to be an old torsion fracture in this tree. Bleeding cankers are apparent; may be <i>Phytophthora</i> .	Do not save this tree... remove it when clearing.	
84	red maple <i>Acer rubrum</i> Species Rating: 80%	21	.6	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. There is an old shear plane fracture in this tree's limb(s). Gloomy scale insects are present. There is sparse growth of foliage in this tree.	Do not save this tree... remove it when clearing.	
85	red maple <i>Acer rubrum</i> Species Rating: 80%	12	.6	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Included bark is evident. Gloomy scale insects are present. There is sparse growth of foliage in this tree.	Do not save this tree... remove it when clearing.	
86	red maple <i>Acer rubrum</i> Species Rating: 80%	14	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Gloomy scale insects are present.	Do not save this tree... remove it when clearing.	
87	red maple <i>Acer rubrum</i> Species Rating: 80%	14	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Gloomy scale insects are present.	Do not save this tree... remove it when clearing.	
88	red maple <i>Acer rubrum</i> Species Rating: 80%	11	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Gloomy scale insects are present.	Do not save this tree... remove it when clearing.	
89	white mulberry <i>Morus alba</i> Species Rating: 30%	9/3	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is fair/good. One of the worst invasive exotics, it is an undesirable tree. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Do not save this tree... remove it when clearing.	
90	sassafras <i>Sassafras albidum</i> (6 plants) Species Rating: 60%	4	.8	These trees would be desirable in the new setting. These trees have a fair chance of surviving construction.	These trees are to be saved. <i>(THIS TREE IS TO BE REMOVED)</i>	
* 90.1	silver maple <i>Acer saccharinum</i> Species Rating: 40%	30	.72	Off the site : owned by someone else. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is good. No access; viewed from offsite and DBH estimated. There is decay in the trunk of this tree.	Do not remove off-site plants without owner consent. Leave plants alone if you don't have permission to cut. This tree is to be saved. The tree's owner should have an arborist inspect the tree.	
* 91	black walnut <i>Juglans nigra</i> Species Rating: 80%	13	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is fair.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. This tree is to be saved. <i>(THIS TREE IS TO BE REMOVED)</i>	
* 92	black walnut <i>Juglans nigra</i> Species Rating: 80%	14	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is fair. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
* 93	black cherry <i>Prunus serotina</i> Species Rating: 60%	18	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is fair. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. This tree is to be saved. Cut vines at ground level; prevent regrowth on the tree.	
94	black walnut <i>Juglans nigra</i> Species Rating: 80%	30	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is very poor. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Do not save this tree... remove it when clearing.	
95	silver maple <i>Acer saccharinum</i> Species Rating: 40%	8	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is fair. <i>Obscured hazard</i> : This tree's trunk is hidden by English ivy.	This tree is to be saved. Cut ivy at ground level; prevent regrowth on the tree.	
96	white mulberry <i>Morus alba</i> Species Rating: 30%	5	.8	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.	
* 97	black walnut <i>Juglans nigra</i> Species Rating: 80%	30	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is very poor. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
98	white mulberry <i>Morus alba</i> Species Rating: 30%	4	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is very poor. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.	
99	white mulberry <i>Morus alba</i> Species Rating: 30%	4/4/4/4	.8	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.	
100	black cherry <i>Prunus serotina</i> Species Rating: 60%	18	.8	Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is very poor. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Do not save this tree... remove it when clearing.	

Appendix Development Tree Inventory Louise Archer Elementary School , Fairfax County, Virginia						April 26, 2021
Tree #	Name	Size	Condition	Comment	Recommendation	
101	white mulberry <i>Morus alba</i> Species Rating: 30%	21	.8	Suitability for preservation: <i>poor</i> . Its chance of surviving planned construction is very poor. One of the worst invasive exotics, it is an undesirable tree. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Do not save this tree... remove it when clearing.	
* 102	black walnut <i>Juglans nigra</i> Species Rating: 80%	15	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is very poor. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
103	black cherry <i>Prunus serotina</i> Species Rating: 60%	17	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
104	black cherry <i>Prunus serotina</i> Species Rating: 60%	15	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
105	black cherry <i>Prunus serotina</i> Species Rating: 60%	15	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
106	black cherry <i>Prunus serotina</i> Species Rating: 60%	15	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
* 107	black walnut <i>Juglans nigra</i> Species Rating: 80%	13	.8	Off the site : owned by someone else. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is very poor.	Do not remove off-site plants without owner consent. Leave plants alone if you don't have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
108	sassafras <i>Sassafras albidum</i> Species Rating: 60%	9	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
* 109	silver maple <i>Acer saccharinum</i> Species Rating: 40%	5/5	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>moderate</i> . This tree has no chance of surviving construction.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
110	white mulberry <i>Morus alba</i> Species Rating: 30%	16	.8	Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. One of the worst invasive exotics, it is an undesirable tree.	Do not save this tree... remove it when clearing.	
111	black cherry <i>Prunus serotina</i> Species Rating: 60%	6	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
112	black cherry <i>Prunus serotina</i> Species Rating: 60%	14/9	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
113	sassafras <i>Sassafras albidum</i> Species Rating: 60%	6/5	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
114	sassafras <i>Sassafras albidum</i> Species Rating: 60%	14	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
* 114.1	post oak <i>Quercus stellata</i> Species Rating: 90%	24	.76	Off the site : owned by someone else. Suitability for preservation: <i>good</i> . Its chance of surviving planned construction is fair. Dead branches are a significant problem for this tree. No access; viewed from offsite and DBH estimated.	Do not remove off-site plants without owner consent. Leave plants alone if you don't have permission to cut. This tree is to be saved.	
115	sassafras <i>Sassafras albidum</i> Species Rating: 60%	3/3	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction.	Do not save this tree... remove it when clearing.	
116	black walnut <i>Juglans nigra</i> Species Rating: 80%	17	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Do not save this tree... remove it when clearing.	
* 117	white mulberry <i>Morus alba</i> Species Rating: 30%	15	.3	May be jointly-owned with neighbors. Suitability for preservation: <i>poor</i> . This tree has no chance of surviving construction. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
* 118	black walnut <i>Juglans nigra</i> Species Rating: 80%	16	.64	May be jointly-owned with neighbors. Suitability for preservation: <i>good</i> . This tree has virtually no chance of surviving construction. DBH estimated. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
* 119	white mulberry <i>Morus alba</i> Species Rating: 30%	12/12	.4	May be jointly-owned with neighbors. Suitability for preservation: <i>poor</i> . This tree has virtually no chance of surviving construction. DBH estimated. One of the worst invasive exotics, it is an undesirable tree. <i>Obscured hazard</i> : This tree's trunk is hidden by vines.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
* 120	black cherry <i>Prunus serotina</i> Species Rating: 60%	36	.56	May be jointly-owned with neighbors. Suitability for preservation: <i>moderate</i> . This tree has virtually no chance of surviving construction. Danger! Large pieces of wood could fall at any time. <i>Obscured hazard</i> : This tree's trunk is hidden by vines. DBH estimated.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
* 121	white mulberry <i>Morus alba</i> Species Rating: 30%	4/4/4	.8	May be jointly-owned with neighbors. Suitability for preservation: <i>poor</i> . This tree has virtually no chance of surviving construction. DBH estimated. One of the worst invasive exotics, it is an undesirable tree.	Don't remove jointly-owned plants without owner consent. Leave plants alone unless you have permission to cut. Discuss the project plan and this tree with its owners. Do not save this tree... remove it when clearing.	
122	southern red oak <i>Quercus falcata</i> Species Rating: 80%	38	.8	Suitability for preservation: <i>good</i> . This tree has no chance of surviving construction. Improperly pruned; pruning stubs were left. Severely pruned in the past to clear utility lines.	Do not save this tree... remove it when clearing.	

THIS TREE PRESERVATION PLAN WAS PREPARED BASED OFF OF INFORMATION PROVIDED BY EDWARD P. MILHOUS. MR. MILHOUS IS A REGISTERED CONSULTING ARBORIST THROUGH THE AMERICAN SOCIETY OF CONSULTING ARBORISTS (#350). MR. MILHOUS IS ALSO A CERTIFIED ARBORIST REGISTERED WITH THE INTERNATIONAL SOCIETY OF ARBORICULTURE (#MA-0004A).



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TREE PRESERVATION PLAN

LOUISE ARCHER
ELEMENTARY SCHOOL
RENOVATION & ADDITION
HUNTER HILL ELECTION DISTRICT
TOWN OF VIENNA

REVISIONS:

DATE: DECEMBER 22, 2021

DESIGN: NJG/BMY

CHECKED BY: JDC

ARCH: ARCH. INC.

RDA JOB NUMBER: 20010

TOWN REFERENCE: 525873

SHEET NUMBER: C15.9