IF ANY WORK IS REQUIRED OUTSIDE OF THE LIMITS OF DISTURBANCE, THE CONTRACTOR SHALL CONFER WITH THE LANDSCAPE ARCHITECT AND UNIVERSITY ARBORIST AND INSTALL ANY TEMPORARY TREE PROTECTION OR MITIGATION MEASURES DETERMINED BY THE CONSULTANT TEAM BEFORE PERFORMING ANY WORK IN CRITICAL ROOT ZONES OF EXISTING-TO-REMAIN TREES.

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Byrnes Hall

MANNING HALL (PHASE II)

Lever Hall

TREE #553
TREE #558
TREE #559
TREE #557
TREE #560
TREE #561
TREE #567
TREE #562
TREE #568
TREE #563
TREE #566
TREE #569
TREE #564
TREE #570
TREE #565
TREE #578
TREE #577

PHASE II TREES TO BE PROTECTED						
TREE ID	LATIN NAME	COMMON NAME	CONDITION	DBH	LATITUDE	LONGITUDE
553	QUERCUS ALBA	WHITE OAK	EXCELLENT	32	34.6775	-82.8317
559	QUERCUS ALBA	WHITE OAK	EXCELLENT	33	34.6775	-82.8319
564	ACER RUBRUM	RED MAPLE	GOOD	15	34.6769	-82.8322
565	ACER RUBRUM	RED MAPLE	EXCELLENT	8	34.6769	-82.8322

PHASE III TREES TO BE REMOVED						
TREE ID	LATIN NAME	COMMON NAME	CONDITION	DBH	LATITUDE	LONGITUDE
557	QUERCUS ALBA	WHITE OAK	EXCELLENT	30	34.6774	-82.8320
558	ACER RUBRUM	RED MAPLE	FAIR	20	34.6775	-82.8321
560	QUERCUS NIGRA	WATER OAK	GOOD	46	34.6774	-82.8320
561	ACER RUBRUM	RED MAPLE	FAIR	24	34.6772	-82.8325
562	BETULA NIGRA	RIVER BIRCH	FAIR	22	34.6771	-82.8326
563	ACER RUBRUM	RED MAPLE	GOOD	31	34.6770	-82.8323
566	BETULA NIGRA	RIVER BIRCH	POOR	21	34.6770	-82.8320
567	QUERCUS ALBA	WHITE OAK	GOOD	27	34.6772	-82.8319
568	QUERCUS NIGRA	WATER OAK	GOOD	33	34.6772	-82.8318

PHASE III TREE REMOVALS - CANDIDATES FOR EARLY REMOVAL						
TREE ID	LATIN NAME	COMMON NAME	CONDITION	DBH	LATITUDE	LONGITUDE
569	ACER RUBRUM	RED MAPLE	FAIR	17	34.6769	-82.8319
570	QUERCUS NIGRA	WATER OAK	GOOD	42	34.6768	-82.8319
577	ILEX OPACA	AMERICAN HOLLY	GOOD	13	34.6767	-82.8314
578	ILEX	HOLLY	GOOD	19	34.6768	-82.8314

TREE PROTECTION REQUIREMENTS:

1. THE CONTRACTOR SHALL NOTIFY SC 811 BEFORE COMMENCEMENT OF DIGGING OR CONSTRUCTION ACTIVITY FOR ASSISTANCE WITH FIELD-LOCATING UNDERGROUND UTILITIES BEFORE THE START OF WORK AND SHALL FOLLOW ALL RELEVANT PROCEDURES AND REQUIREMENTS OF THE PROGRAM.

2. CONSTRUCTION ACTIVITY OUTSIDE OF THE PHASE ONE CONSTRUCTION FENCING SHALL BE RESTRICTED TO CONSTRUCTION ACCESS AND MUST BE PRE-APPROVED IN EACH INSTANCE BY A DESIGNATED REPRESENTATIVE OF THE UNIVERSITY'S LANDSCAPE SERVICES TEAM.

3. CONSTRUCTION TRAFFIC AND CONSTRUCTION ACTIVITIES SHALL NOT COMMENCE UNTIL ALL SITE PROTECTION ITEMS ARE INSTALLED, INCLUDING FENCING AROUND THE TREE PROTECTION ZONES (TPZ) OF EXISTING-TO-REMAIN TREES. WHERE THE TPZ PROTECTIVE FENCING MUST BE REMOVED FOR TEMPORARY ACCESS OR A CONSTRUCTION OPERATION, THE CONTRACTOR SHALL COORDINATE TEMPORARY PROTECTIVE MEASURES AND LIMITATIONS WITH THE UNIVERSITY AND WITH THE TREE-CARE RECOMMENDATIONS OF A CERTIFIED ARBORIST.

4. FENCING AROUND TREE PROTECTION ZONES SHALL BE 5 FEET IN HEIGHT AND CAN BE COMPRISED OF PORTABLE SECTIONS OR ROLL FENCING WITH POSTS ON 8 FT CENTERS. WHERE THE TPZ FENCING AND THE CONSTRUCTION FENCING THAT WILL BE USED SECURE THE ENTIRE CONSTRUCTION SITE FOLLOW THE SAME ALIGNMENT, THE CONSTRUCTION FENCING MAY SERVE AS THE TPZ FENCING. IN ANY CASE, THE CONTRACTOR INSTALLING THE FENCING SHALL PROVIDE A 4 FT WIDE ACCESS POINT TO EACH TPZ FOR SERVICE AND MAINTENANCE NEEDS.

5. THE TREE PROTECTION ZONES ARE SHOWN ON THE ADJACENT PLAN. TYPICALLY, THE TPZ FENCING SHOULD BE PLACED NO CLOSER TO THE TREE TRUNKS THAN THE DRIPLINE. WHERE CONSTRUCTION REQUIRES GRADING OR ACCESS ROADWAYS WITHIN THE DRIP LINE, MINIMUM DISTANCES BETWEEN THE TRUNK OF AN EXISTING-TREE-TO-REMAIN AND THE TPZ FENCING ARE SHOWN ON THE PLAN. WHERE TEMPORARY ACCESS IS REQUIRED WITHIN THE TPZ, NO CONSTRUCTION ACTIVITY, SOIL COMPACTION OR ROOT DISTURBANCE SHALL BE PERMITTED TO TAKE PLACE WITHIN A DISTANCE EQUAL TO 4 TIMES THE DBH OF THE PARTICULAR TREE TRUNK.

6. THE CONTRACTOR SHALL APPLY A 3 INCH THICK LAYER OF DOUBLE GROUND MULCH WITHIN THE TPZ IN ORDER TO PROTECT THE ROOT ZONE. THIS SHOULD BE ADDED TO COVER THE GROUND WITHIN A 30 FT RADIUS OF TREE CENTERS OR WITHIN THE TREE PROTECTION FENCING. MULCHING SHOULD BE COMPLETED WITH INSTALLATION OF THE TREE PROTECTION FENCING.

7. THE CONTRACTOR SHALL MAINTAIN ALL TREE PROTECTION FENCING AND TREE PROTECTION MEASURES THROUGHOUT CONSTRUCTION AND SHALL ENSURE THAT THE LIMITS OF THE SPECIFIED TPZ AREAS ARE MAINTAINED.

8. THE CONTRACTOR SHALL PROVIDE UNRESTRICTED ACCESS FOR THE UNIVERSITY'S LANDSCAPE SERVICES TEAM REPRESENTATIVES AND THE DESIGN TEAMS CONSULTING ARBORIST TO PERFORM RANDOM MONTHLY VISITS TO INSPECT TREE PROTECTION ZONES AND REPORT ANY VIOLATIONS.

9. THE CONTRACTOR SHALL ENTER INTO AN AGREEMENT WITH THE UNIVERSITY OVER THE SPECIFIC PENALTIES THAT SHALL BE LEVIED FOR EACH INSTANCE OF CONSTRUCTION ENCROACHMENT INTO TREE PROTECTION ZONES.

10. THE CONTRACTOR SHALL ENGAGE AN ARBORIST TO APPLY A TREE GROWTH REGULATOR FOR ALL PRESERVED TREES IDENTIFIED ON THE PLAN. THIS CAN BE APPLIED UP TO A YEAR AHEAD OF CONSTRUCTION OR DONE IN CONJUNCTION WITH THE INSTALLATION OF TREE PROTECTION FENCING OR WHEN MULCH IS PUT OUT AROUND THE TREE.

11. NO GRADING, VEHICLE OF MATERIAL STORAGE SHALL BE ALLOWED WITHIN THE TREE PROTECTION ZONE WITHOUT PRIOR APPROVAL FROM ARBORIST AND OWNER.

12. THE CONTRACTOR SHALL ENGAGE AN ARBORIST TO PERFORM ROOT PRUNING FOR ANY GRADING OR TRENCHING WITHIN A 25FT RADIUS OF TREE CENTER.

13. THE CONTRACTOR SHALL ENGAGE AN ARBORIST TO APPLY A LONG RESIDUAL INSECTICIDE TO PROTECT TREES NEAR AND WITHIN THE PHASE ONE CONSTRUCTION AREA AGAINST AMBROSIA BEETLES (TO WHICH THEY WILL BE MADE SUSCEPTIBLE DUE TO THE COMMON STRESSES ASSOCIATED WITH CONSTRUCTION-RELATED MICROCLIMATES). THE INSECTICIDE SHALL BE APPLIED TO THE LOWER 10FT OF THE TRUNK AND THEN ALLOWED TO DRY BEFORE ANY PEOPLE OR ANIMALS ARE ALLOWED TO COME INTO CONTACT WITH THE TRUNK. THE CONTRACTOR SHALL ENGAGE AN ARBORIST TO PERFORM SIX APPLICATIONS ANNUALLY IN ORDER TO MAINTAIN AN ACTIVE BARRIER AGAINST THE BEETLE.

14. PRIOR TO GRADING OR EARTHWORK OPERATIONS, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND DESIGN TEAM TO WORK OUT A STRATEGY FOR PRESERVING TOPSOIL HEALTH. IF EARTH DISTURBANCE IS REQUIRED, THE CONTRACTOR SHALL STRIP THE TOPSOIL MOVING IT TO THE SIDE THE MINIMAL REQUIRED DISTANCE AND STORING IT IN PILES NO TALLER THAN 3 FEET IN HEIGHT. (THE GOAL IS TO LIMIT SOIL COMPACTION AND MEANT TO PRESERVE THE SOIL'S BIOLOGY AND STRUCTURE FOR HORTICULTURAL USE).

LEGEND:

EXISTING TREES
CRITICAL ROOT ZONE
STRUCTURAL ROOT ZONE
TREE PROTECTION FENCING
PHASE II TREES TO BE REMOVED
LOD LIMIT OF DISTURBANCE
PHASE III TREE REMOVALS - CANDIDATES FOR EARLY REMOVAL
PHASE III TRANSPLANTED TREES - CANDIDATES FOR EARLY TRANSPLANTING

1 TREE PRESERVATION AND REMOVALS - PLAN

Scale: 1"=20'-0"