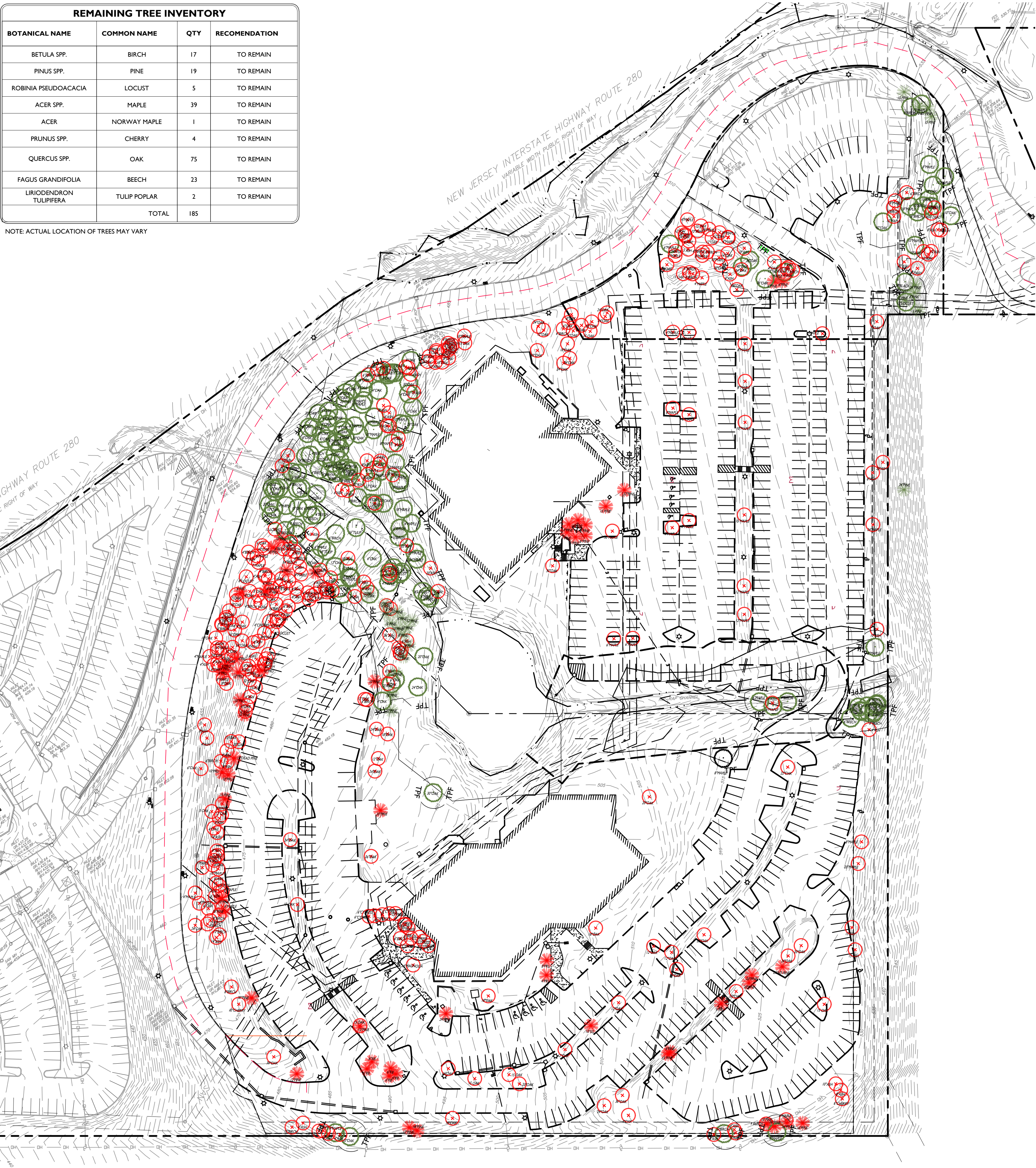


REMAINING TREE INVENTORY			
BOTANICAL NAME	COMMON NAME	QTY	RECOMMENDATION
BETULA SPP.	BIRCH	17	TO REMAIN
PINUS SPP.	PINE	19	TO REMAIN
ROBINIA PSEUDOACACIA	LOCUST	5	TO REMAIN
ACER SPP.	MAPLE	39	TO REMAIN
ACER	NORWAY MAPLE	1	TO REMAIN
PRUNUS SPP.	CHERRY	4	TO REMAIN
QUERCUS SPP.	OAK	75	TO REMAIN
FAGUS GRANDIFOLIA	BEECH	23	TO REMAIN
LIRIODENDRON TULIPIFERA	TULIP POPLAR	2	TO REMAIN
TOTAL		185	

NOTE: ACTUAL LOCATION OF TREES MAY VARY



EXISTING TREE INVENTORY (TO BE REMOVED)				
BOTANICAL NAME	COMMON NAME	QTY	REMARKS	RECOMENDATION
ALNUS SPP.	ALDER	1	DEER DAMAGED	TO BE REMOVED
FRAXINUS AMERICANA	ASH	142	DEAD/DYING DUE TO EMERALD ASH BORE DISEASE	CULL FROM SITE
TILIA AMERICANA	BASSWOOD	2	---	---
BETULA SPP.	BIRCH	20	---	---
POPULUS DELTOIDES	COTTONWOOD	3	---	---
CASTANEA DENTATA	CHESTNUT	3	---	---
PINUS SPP.	PINE	36	---	---
ULMUS AMERICANA	ELM	2	---	---
CARPINUS SPP.	HORNBEAM	2	---	---
ROBINIA PSEUDOACACIA	LOCUST	4	---	---
ACER SPP.	MAPLE	45	---	---
PRUNUS SPP.	CHERRY	19	DEER DAMAGE EVIDENT	---
QUERCUS SPP.	OAK	88	---	---
FAGUS GRANDIFOLIA	BEECH	12	---	---
CYPRESS SPP.	CYPRESS	11	---	---
CERCIS CANADENSIS	RED BUD	5	---	---
LIQUIDAMBAR STYRACIFLUA	SWEETGUM	1	---	---
PLATANUS OCCIDENTALIS	SYCAMORE	1	---	---
JUGLANS NIGRA	WALNUT	1	---	---
TOTAL		255		

NOTE: ACTUAL LOCATION OF TREES MAY VARY

NOTE:
*142 ASH TREES ARE TO BE CONSIDERED DEAD OR DYING DUE TO EMERALD ASH BORE DISEASE. THESE TREES SHOULD NOT BE COUNTED AGAINST THE TREE REPLACEMENT NUMBERS. EFFORTS WILL BE MADE IN THE PLANTING TO REPLACE THE HOLES CREATED IN THE CANOPY TO VOID THE TAKEOVER BY INVASIVES.

TREE PROTECTION, REMOVAL, AND MITIGATION		
CODE SECTION	REQUIRED	PROPOSED
§ 25-27.7 (c) PROCEDURES, FACTORS AND STANDARDS	TO THE GREATEST EXTENT POSSIBLE, SPECIMEN TREES AND OTHER LARGE TREES (TEN (10) INCH DBH AND GREATER) SHALL BE PRESERVED	COMPLIES
§ 25-27.8 (a) 1 TREE REPLACEMENT REQUIREMENT	AT LEAST THIRTY (30%) PERCENT OF THE TREES ON EACH PARTICULAR LOT OR DEVELOPMENT SITE SHALL BE PRESERVED [440 TOTAL TREES ON SITE * 30% = 132 TREES REMAIN] 185 TREES TO REMAIN = (42%)	COMPLIES 185 TREES TO REMAIN (42%)
§ 25-27.8 (a) 1.1 (a) TREE REPLACEMENT REQUIREMENT	FOR EACH TREE REMOVED DBH OF FOUR (4) INCHES TO NO MORE THAN SIX (6) INCHES, THE APPLICANT SHALL PLANT A MAJOR OR MINOR TREE [93 TOTAL TREE 4" TO < 6" DBH TO BE REMOVED] 93 TOTAL MAJOR OR MINOR TREES REQUIRED TO BE PLANTED	COMPLIES 153 TOTAL MINOR TREES PROPOSED REFER TO PLANTING PLAN FOR TREE LOCATION
§ 25-27.8 (a) 1.1 (b) TREE REPLACEMENT REQUIREMENT	FOR EACH TREE REMOVED A DBH OF MORE THAN SIX (6) INCHES, THE APPLICANT SHALL PLANT A MAJOR TREE AS DEFINED IN THIS SECTION ON THE REMOVAL PROPERTY. [162 TOTAL TREES 6" > DBH TO BE REMOVED] 162 TOTAL MAJOR TREES REQUIRED TO BE PLANTED	COMPLIES 167 TOTAL MAJOR TREES PROPOSED REFER TO PLANTING PLAN FOR TREE LOCATION

PROTECTION OF EXISTING VEGETATION NOTES:

- BEFORE COMMENCING WORK, ALL EXISTING VEGETATION WHICH COULD BE IMPACTED AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES MUST BE PROTECTED FROM DAMAGE BY THE INSTALLATION OF TREE PROTECTION FENCING. FENCING SHALL BE LOCATED AT THE DRIPLINE OR LIMIT OF DISTURBANCE AS DEPICTED WITHIN THE APPROVED OR FINAL PLAN SET, ESTABLISHING THE TREE PROTECTION ZONE. FENCE INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE PROTECTION FENCE DETAIL." NO WORK MAY BEGIN UNTIL THIS REQUIREMENT IS FILLED. THE FENCING SHALL BE INSPECTED REGULARLY BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
- IN ORDER TO AVOID DAMAGE TO ROOTS, BARK OR LOWER BRANCHES, NO VEHICLE, EQUIPMENT, DEBRIS, OR OTHER MATERIALS SHALL BE DRIVEN, PARKED OR PLACED WITHIN THE TREE PROTECTION ZONE. ALL ON-SITE CONTRACTORS SHALL USE ANY AND ALL PRECAUTIONARY MEASURES WHEN PERFORMING WORK AROUND TREES, WALKS, PAVEMENTS, UTILITIES, AND ANY OTHER FEATURES EITHER EXISTING OR PREVIOUSLY INSTALLED UNDER THIS CONTRACT.
- IN RARE INSTANCES WHERE EXCAVATING, FILL OR GRADING IS REQUIRED WITHIN THE DRIPLINE OF TREES TO REMAIN, THE WORKMAN SHALL FOLLOW:
 - TRENCHING: WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND DIGGING AND WITHOUT INJURY TO THE ROOTS. NO ROOTS, LIMBS, OR WOODS ARE TO HAVE ANY PAINT OR MATERIAL APPLIED TO ANY SURFACE.
 - RAISING GRADES: WHEN THE GRADE AT AN EXISTING TREE IS BELOW THE NEW FINISHED GRADE, AND FILL NOT EXCEEDING 6 INCHES (6") IS REQUIRED, CLEAN, WASHED GRAVEL FROM ONE TO TWO INCHES (1" - 2") IN SIZE SHALL BE PLACED DIRECTLY AROUND THE TREE TRUNK. THE GRAVEL SHALL EXTEND OUT FROM THE TRUNK ON ALL SIDES A MINIMUM OF 18 INCHES (18") AND FINISH APPROXIMATELY TWO INCHES (2") ABOVE THE FINISH GRADE AT TREE. INSTALL GRAVEL BEFORE ANY EARTH FILL IS PLACED. NEW EARTH FILL SHALL NOT BE LEFT IN CONTACT WITH THE TRUNK OF ANY TREE REQUIRING FILL WHERE FILL EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID TREE WELL SHALL BE CONSTRUCTED. IF APPLICABLE, TREE WELL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE WELL DETAIL."
 - LOWERING GRADES: EXISTING TREES LOCATED IN AREAS WHERE THE NEW FINISHED GRADE IS TO BE LOWERED, SHALL HAVE RE-GRADING WORK DONE BY HAND TO THE INDICATED ELEVATION. NO GREATER THAN SIX INCHES (6"). ROOTS SHALL BE CUT CLEANLY THREE INCHES (3") BELOW FINISHED GRADE UNDER THE DIRECTION OF A LICENSED ARBORIST. WHERE CUT EXCEEDING 6 INCHES (6") IS REQUIRED, A DRY LAID RETAINING WALL SHALL BE CONSTRUCTED. IF APPLICABLE, THE RETAINING WALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE PROVIDED "TREE RETAINING WALL DETAIL."

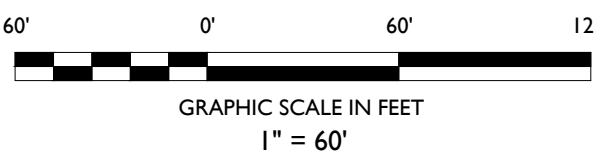
SYMBOL	DESCRIPTION
---	FEATURE TO BE REMOVED / DEMOLISHED
---	LOD
---	LIMIT OF DISTURBANCE
---	TREE TO BE REMOVED
---	TREE TO REMAIN AND BE PROTECTED
---	TPF
---	PROPOSED TREE PROTECTION FENCE



Know what's below
Call before you dig.

DEMOLITION NOTES

- THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION. TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED, THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
- EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE, AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
- ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
- DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTE/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.



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ZACHARY E. CHAPLIN, P.E.
NEW JERSEY LICENSE No. 53605
LICENSED PROFESSIONAL ENGINEER

TREE REMOVAL EXHIBIT

BNE REAL ESTATE GROUP

PROPOSED MULTI-TENANT
RESIDENTIAL DEVELOPMENT

BLOCK 40.02, LOT 155, BLOCK 41.02, LOT 155,
BLOCK 42.02, LOT 155, BLOCK 43.02, LOT 155,
100 - 200 EXECUTIVE DRIVE
TOWNSHIP OF WEST ORANGE
ESSEX COUNTY, NEW JERSEY

SCALE: 1" = 60'

PROJECT ID: T-17354

TITLE:

COLORIZED TREE
REMOVAL EXHIBIT

DRAWING:

I OF I

ISSUED AS EXHIBIT

NS

06/17/2020

BY

DATE

ISSUE

DESCRIPTION