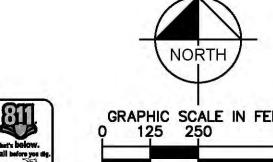


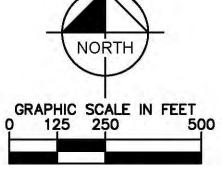
# CENTRAL PARC LANDSCAPE CALCULATIONS

NORTH PORT ULDC

	REQUIRED	PROVIDED		
LANDSCAPE BUFFERS	BUFFER A = 10,250 LF 10,250 LF / 100 LF = 102.5	BUFFER A:		
BUFFER A: 3 CANOPY TREES, 3 UNDERSTORY TREES, 30 SHRUBS, AND 3' TO 5' HIGH BERM PER 100 LF BUFFER B: 3 CANOPY TREES, 3 UNDERSTORY TREES, 30 SHRUBS, AND SMALL BERM PER 100 LF BUFFER C: 3 CANOPY TREES, 30 SHRUBS, AND OPTIONAL 6' WALL PER 100 LF SECTION 7 - BUFFER PLAN PER CENTRAL PARC AT NORTH PORT PLANNED COMMUNITY DEVELOPMENT (PCD) PATTERN PLAN	10,250 LF / 100 LF = 102.5  3 CANOPY TREES x 102.5 = 308 CANOPY TREES 3 UNDERSTORY TREES x 102.5 = 308 UNDERSTORY TREES 30 SHRUBS x 102.5 = 3,075 SHRUBS  BUFFER B = 8,660 LF 8,660 LF / 100 LF = 86.6  3 CANOPY TREES x 86.6 = 260 CANOPY TREES (INCLUDES 39 PALMS) 3 UNDERSTORY TREES x 86.6 = 260 UNDERSTORY TREES x 86.6 = 260 UNDERSTORY TREES x 86.6 = 250 UNDERSTORY TREES x 86.6 = 260 UNDERSTORY TREES x 86.6 = 250 UNDERSTORY TREES x 86.6 = 250 UNDERSTORY TREES x 86.6 = 260 UNDERSTORY TR	312 CANOPY TREES 309 UNDERSTORY TREES 3,190 SHRUBS BUFFER B: 195 CANOPY TREES 201 UNDERSTORY TREES 2,599 SHRUBS BUFFER C = 2,300 LF 2,300 LF / 100 LF = 23 69 CANOPY TREES 690 SHRUBS		
STREET TREES  ALL NEW DEVELOPMENTS BEING PROCESSED AS A MAJOR SITE AND DEVELOPMENT PLAN, SUBDIVISION PLAN, OR DEVELOPMENT MASTER PLAN, SHALL INSTALL STREET TREES ALONG ALL ADJACENT STREETS AND STREETS THAT ARE INTERNAL TO THE DEVELOPMENT TRACT.  SECTION 45-20.A OF NORTH PORT UNIFIED LAND DEVELOPMENT CODE	18,940 LF OF ROADWAY x 2 = 37,880 LF 37,880 LF / 35' O.C.SPACING = 1,083 STREET TREES	1,085 STREET TREES PROVIDED		
MINIMUM TREE AND SHRUB PLANTING OR PRESERVATION REQUIREMENTS  TREES SHALL MEET OR EXCEED THIRTY-FIVE (35%) CANOPY COVERAGE REQUIREMENTS IN CHAPTER 45.  THIS EXCLUDES BUFFER AND STREET TREES.  SECTION 21-7. & 45-8A OF NORTH PORT UNIFIED LAND DEVELOPMENT CODE	OPEN SPACE 2,650,530 SF (OPEN SPACE) * 35% = 927,685 SF OF CANOPY COVERAGE REQUIRED.	536 MAJOR SHADE TREES x 1,500 SF = 802,500 SF 500 SMALL SHADE TREES x 250 SF = 125,000 SF TOTAL: 929,000 SF NOTE: CALCULATIONS ASSUME INDIVIDUAL LOT TREE PLANTING		
NATIVE TREE SPECIES  A MINIMUM OF 50% OF ALL TREES SHALL BE NATIVE SPECIES  SECTION 21-10.A OF NORTH PORT UNIFIED LAND DEVELOPMENT CODE	50% NATIVE TREE SPECIES	8 NATIVE TREE SPECIES / 10 TOTAL TREES SPECIES = 809 NATIVE TREE SPECIES		

- ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE
   SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.
- 2. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO FIELD ADJUST ALL PLANT MATERIAL.
- 3. ALL QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.
- CONTRACTOR SHALL SOD TO LIMITS OF DISTURBANCE, INCLUDING ANY DISTURBANCE WITHIN RIGHT-OF-WAY. ALL SOD TO BE NON-IRRIGATED BAHIA. CONFIRM FINAL SPECIES SELECTION WITH OWNER PRIOR TO INSTALLATION.
- 5. ANY EXISTING TREE LOCATED WITHIN ANY EASEMENT SHALL BE MAINTAINED IN PERPETUITY. SHOULD THEY BE
- REMOVED DUE TO WORK WITHIN THE EASEMENT, SAID TREES SHALL BE REPLACED WITH THE APPROPRIATE NUMBER OF CREDIT TREES.
- 6. ALL PLANTS SHALL BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH THE NORTH PORT UNIFIED LAND DEVELOPMENT CODE SECTION 21-10.A STANDARDS FOR LANDSCAPE MATERIALS.
- 7. UTILITY EASEMENTS MUST REMAIN CLEAR OF ALL TREES, STRUCTURES AND ENCROACHMENT OF OTHER EASEMENTS. THE ROOT BALL OF ALL SHADE TREES SHALL BE PLANTED NO CLOSER THAN 10' AND THE ROOTBALL OF ALL PALM TREES SHALL BE PLANTED NO CLOSER THAN 5' FROM EXISTING UTILITIES INFRASTRUCTURE.
- 8. DEVELOPER WILL PROVIDE TREE AND SHRUB PLANTINGS PER INDIVIDUAL LOT ACCORDING TO REQUIREMENTS IN SECTION 21-7.A OF THE NORTH PORT UNIFIED LAND DEVELOPMENT CODE. EACH LOT SHALL RECEIVE A MINIMUM OF 1 SHADE TREE AND 1 SMALL TREE PER THE PRIORITY LIST IN SECTION 45-19 OF THE NORTH PORT UNIFIED DEVELOPMENT CODE.
- 9. REFER TO SHEETS L2.00, L2.01, AND L2.02 FOR LANDSCAPE PLANT SCHEDULE, NOTES, AND DETAILS.
- 10. REFER TO SHEET L2.00 FOR BUFFER PLANTING MAP.
- 11. WHERE TREE (S) ARE PLANTED CLOSER THAN 5 FEET (MEASURED FROM CENTER OF TREE) FROM A STREET, DRIVEWAY, OR STRUCTURE A 24 INCH ROOT BARRIER SHALL BE INSTALLED. REFER TO SHEET L2.01 FOR DETAIL. ROOT BARRIERS SHALL BE IN COMPLIANCE WITH CHAPTER 45, SECTION 20C(5) OF THE NORTH PORT UNIFIED LAND
- THE CONTRACTOR SHALL DETERMINE THE LENGTH OF THE ROOT BARRIER BY THE AVERAGE SPREAD OF THE TREE AS SHOWN IN CHAPTER 45, SECTION 19 "PRIORITY TREE LIST" TABLE WITHIN THE NORTH PORT UNIFIED LAND DEVELOPMENT CODE.
- 12. ALL LANDSCAPE AREAS SHALL BE IRRIGATED WITH RECLAIM WATER PER SECTION 21-15 AND SECTION 38-30 OF THE NORTH PORT UNIFIED LAND DEVELOPMENT CODE, IRRIGATION EQUIPMENT SHALL BE IDENTIFIED AS RECLAIMED WATER THROUGH THE USAGE OF PURPLE CAPS AND TUBING.

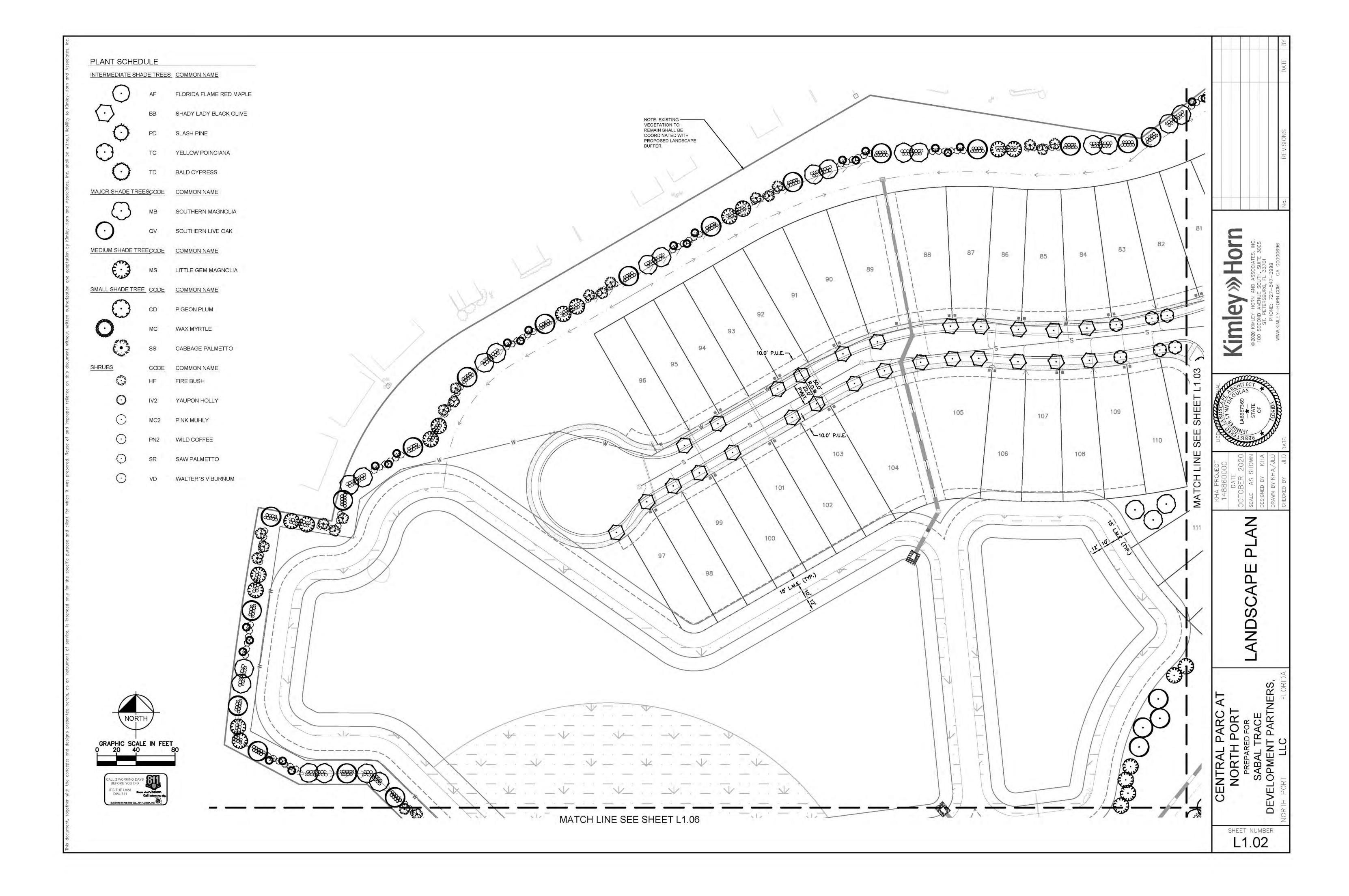


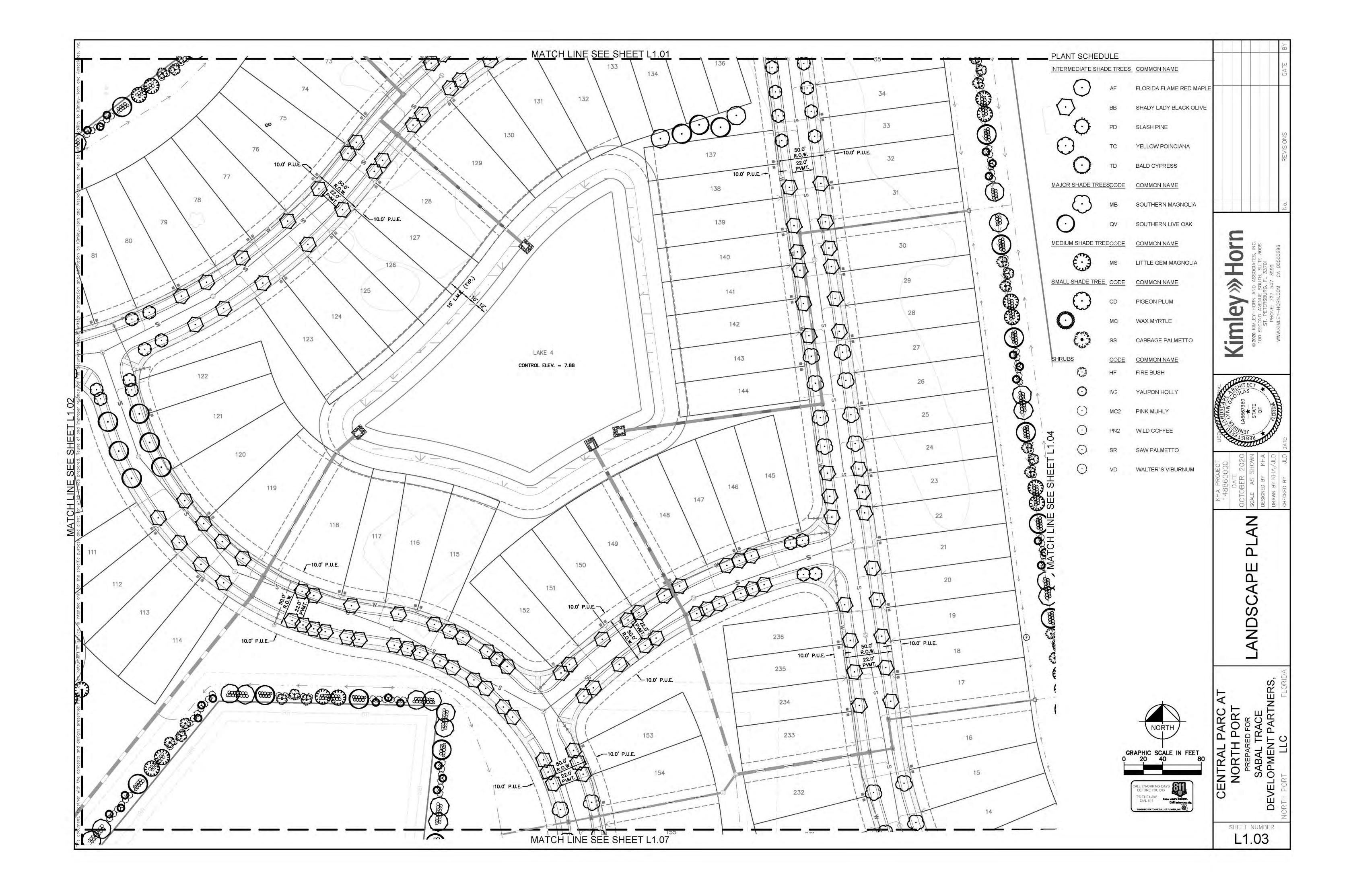


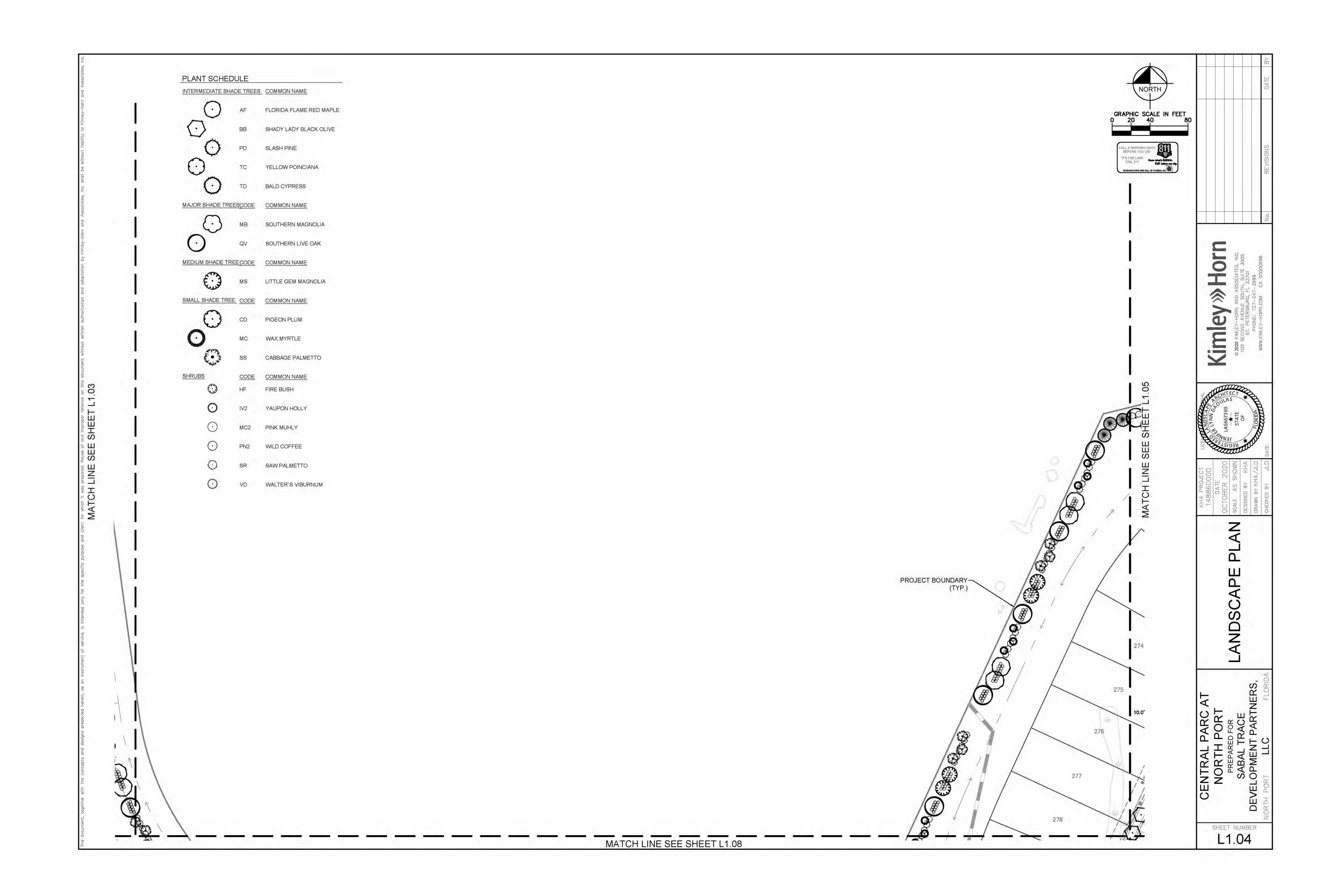
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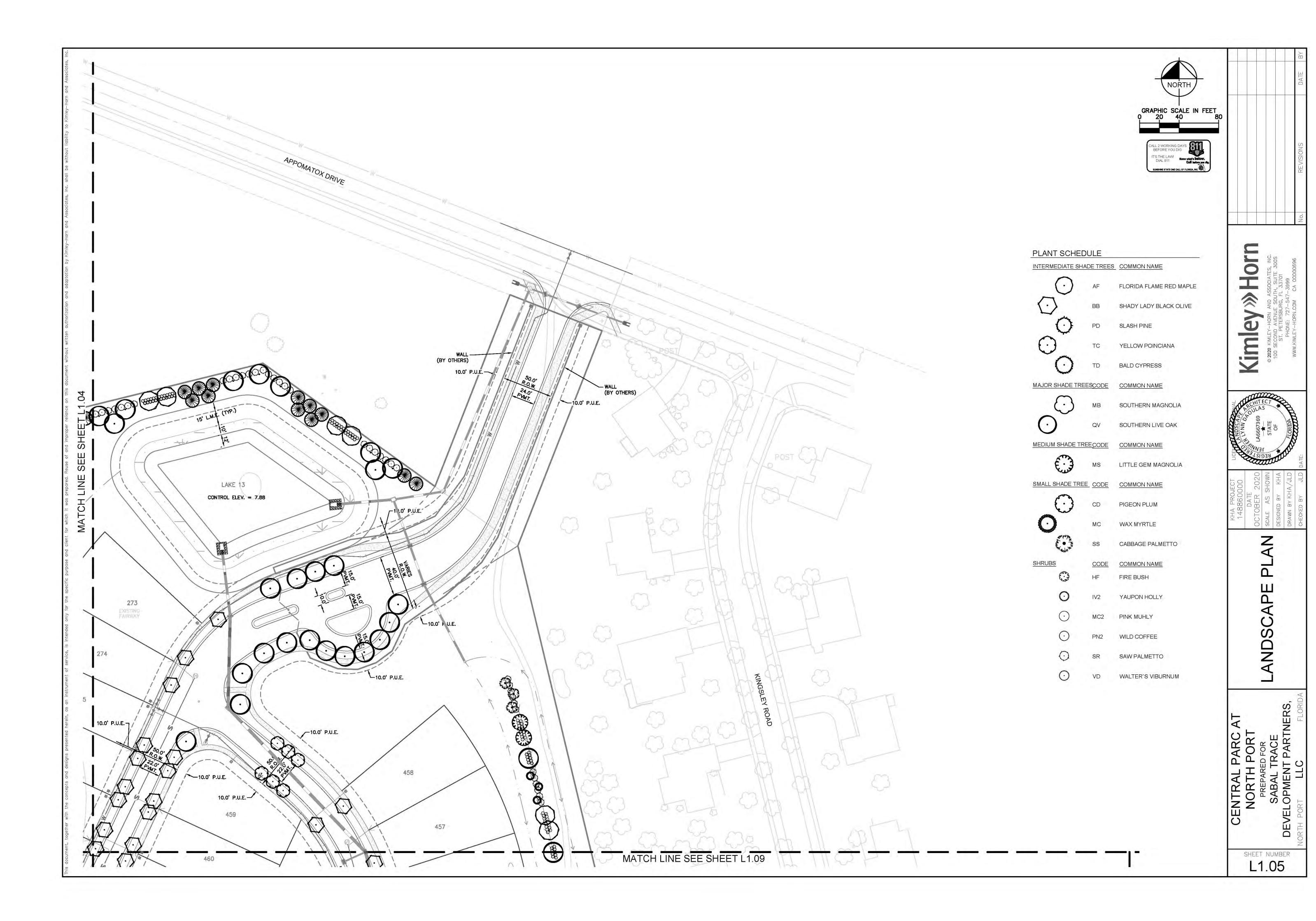
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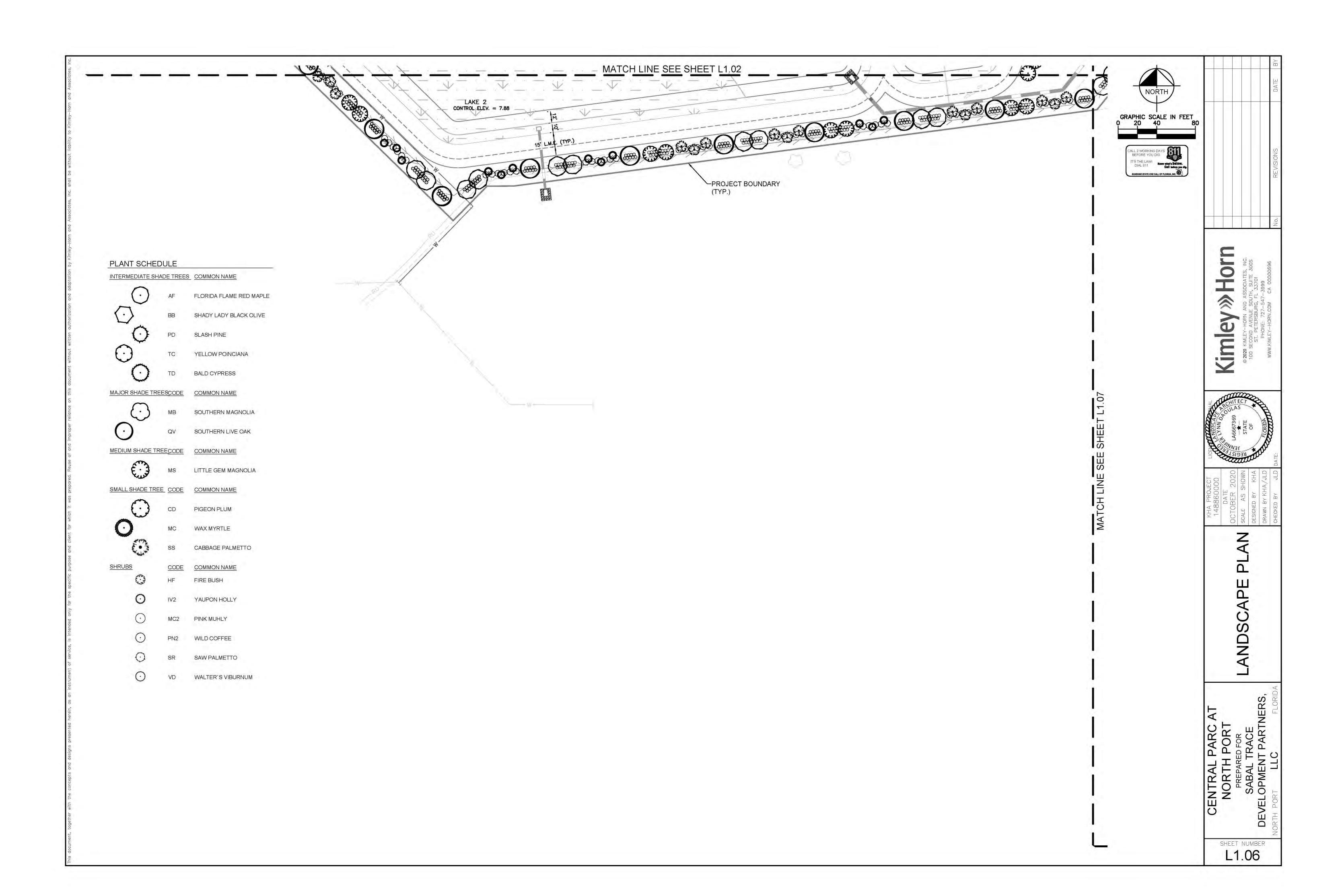


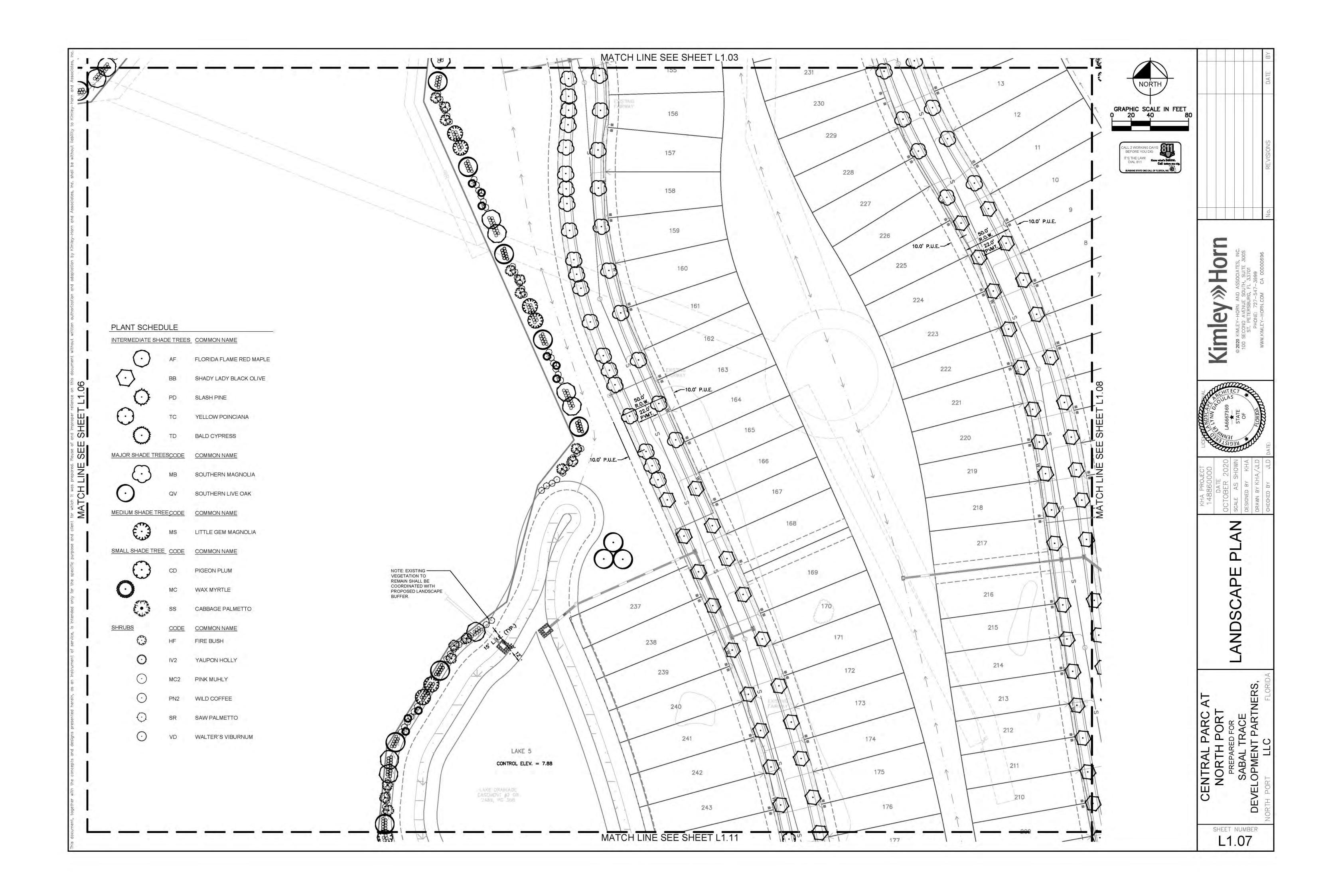


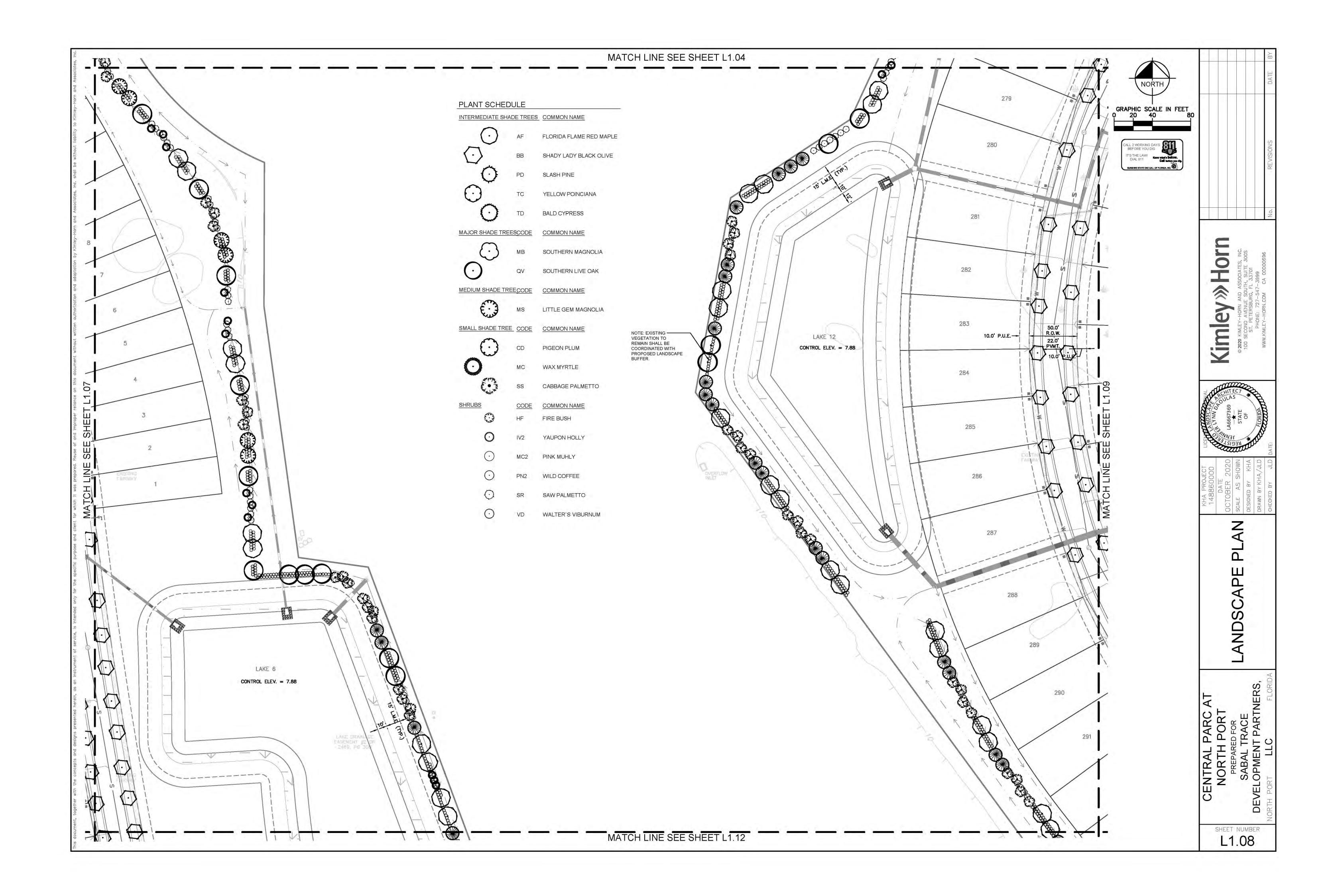


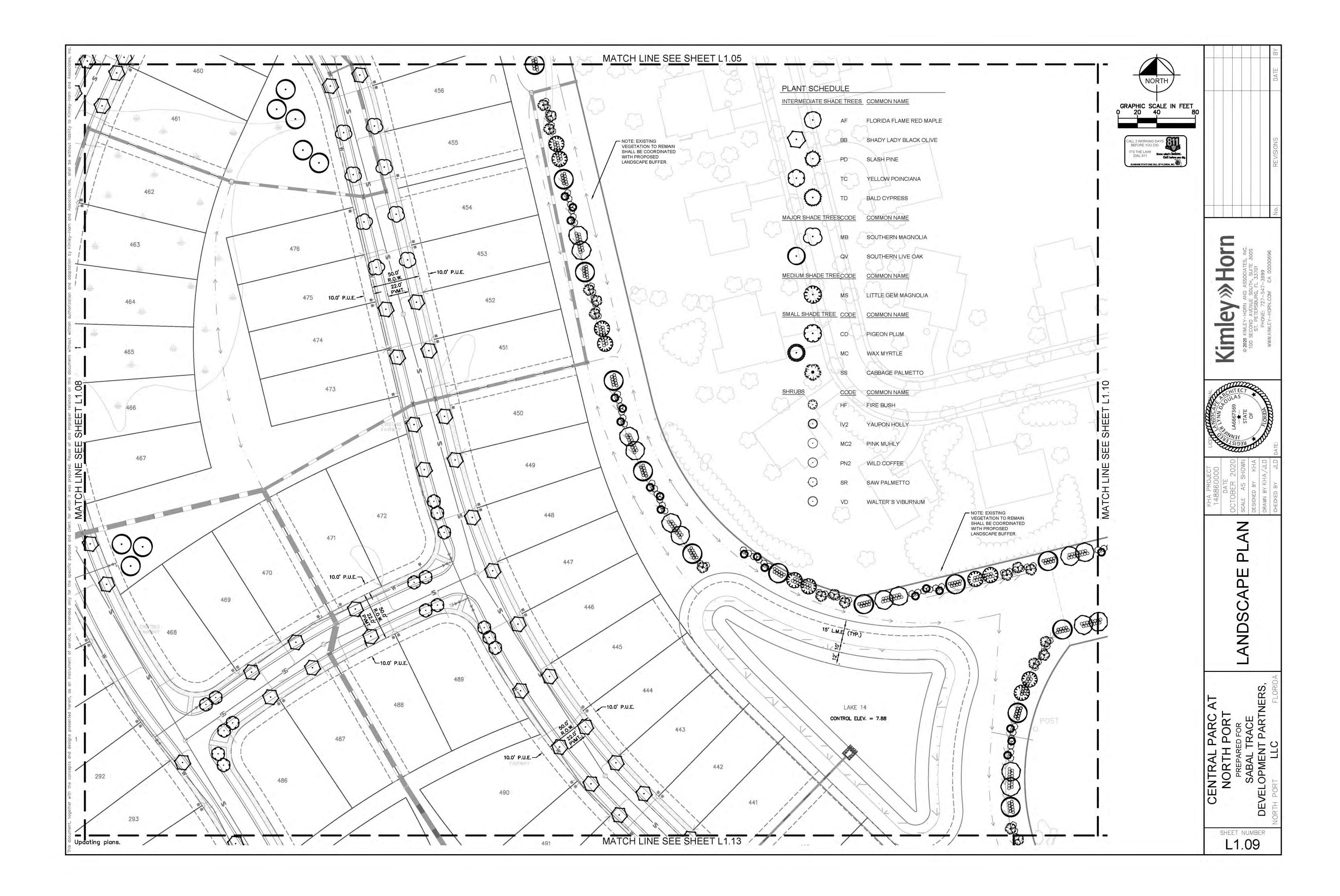


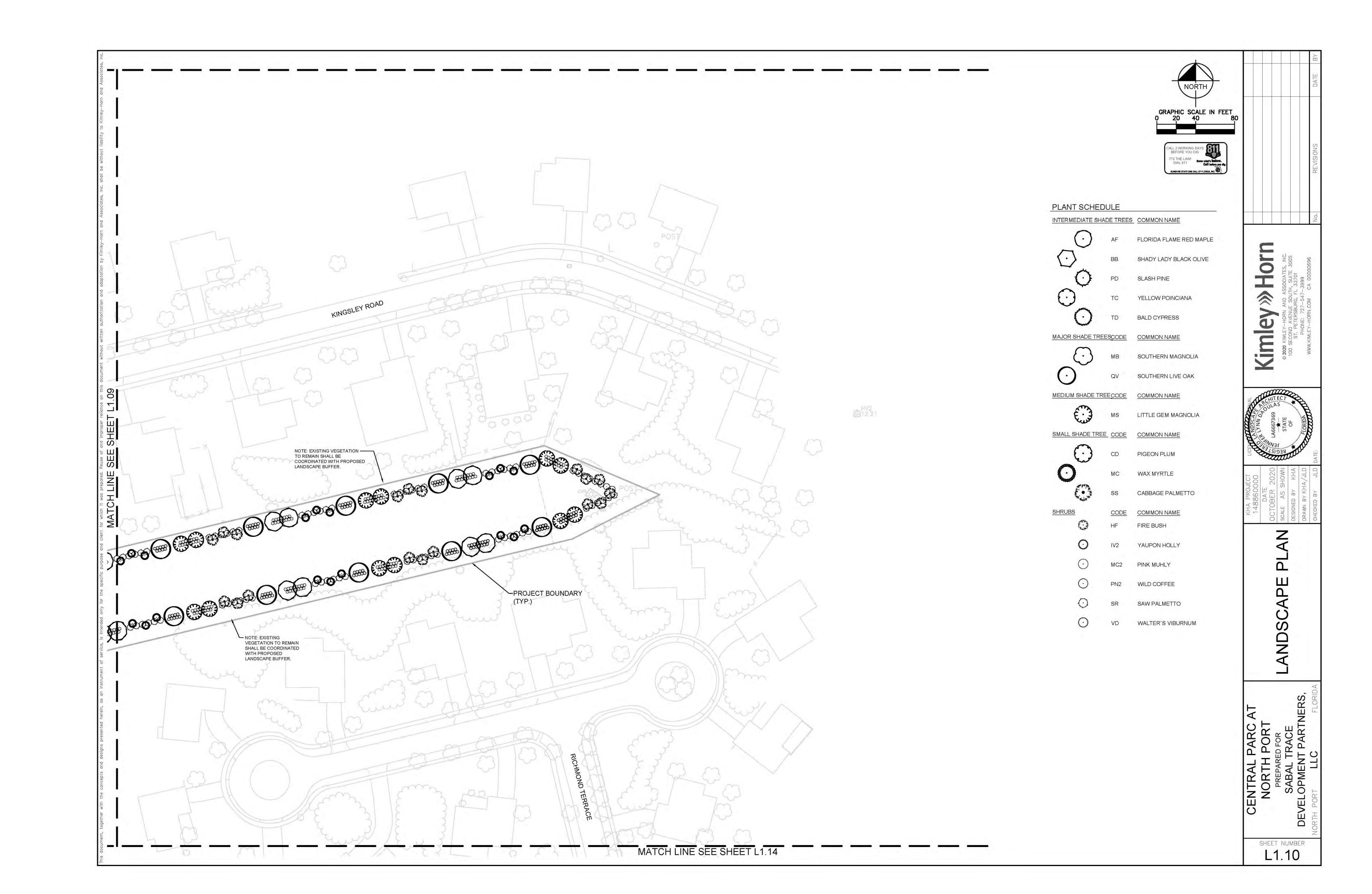


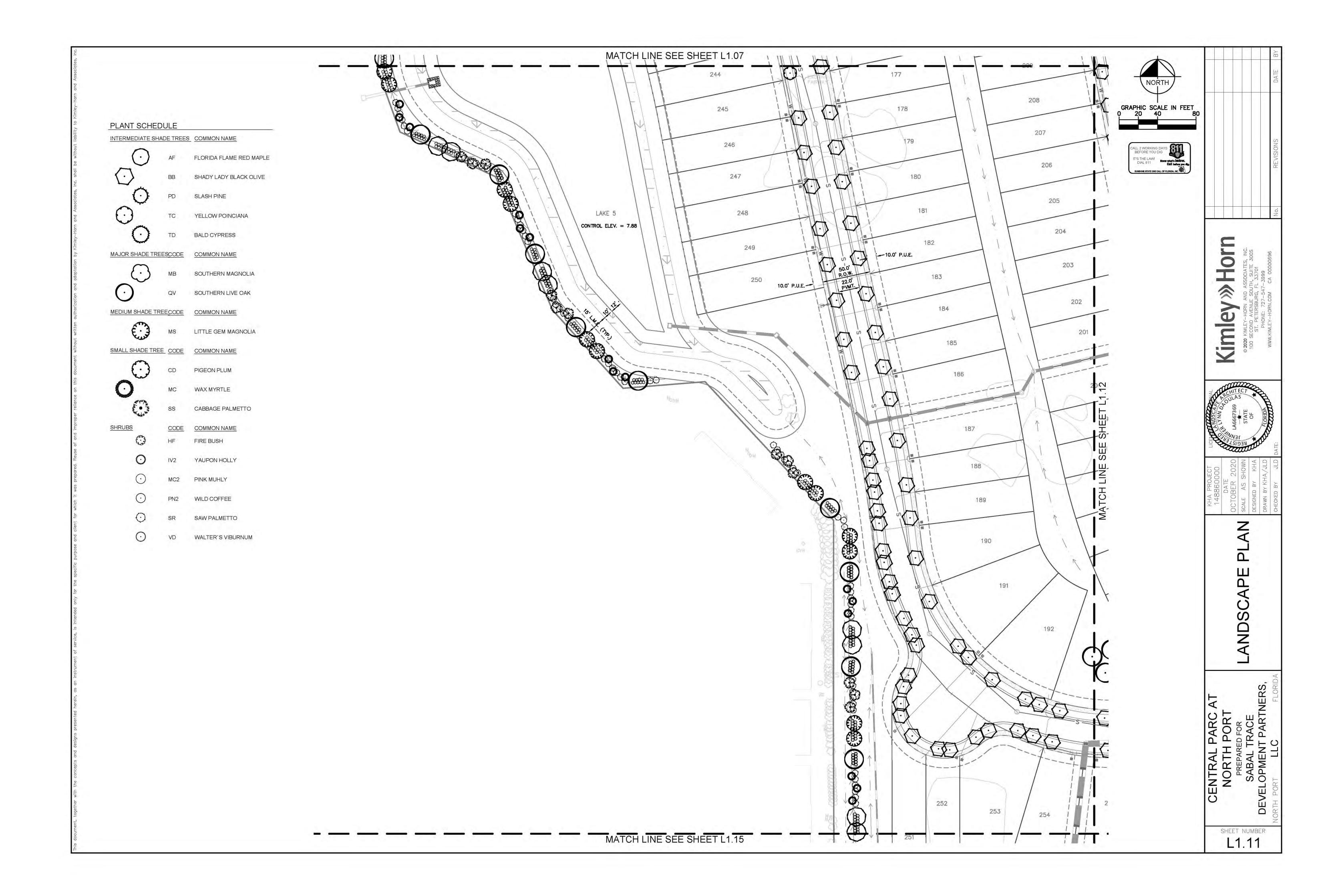


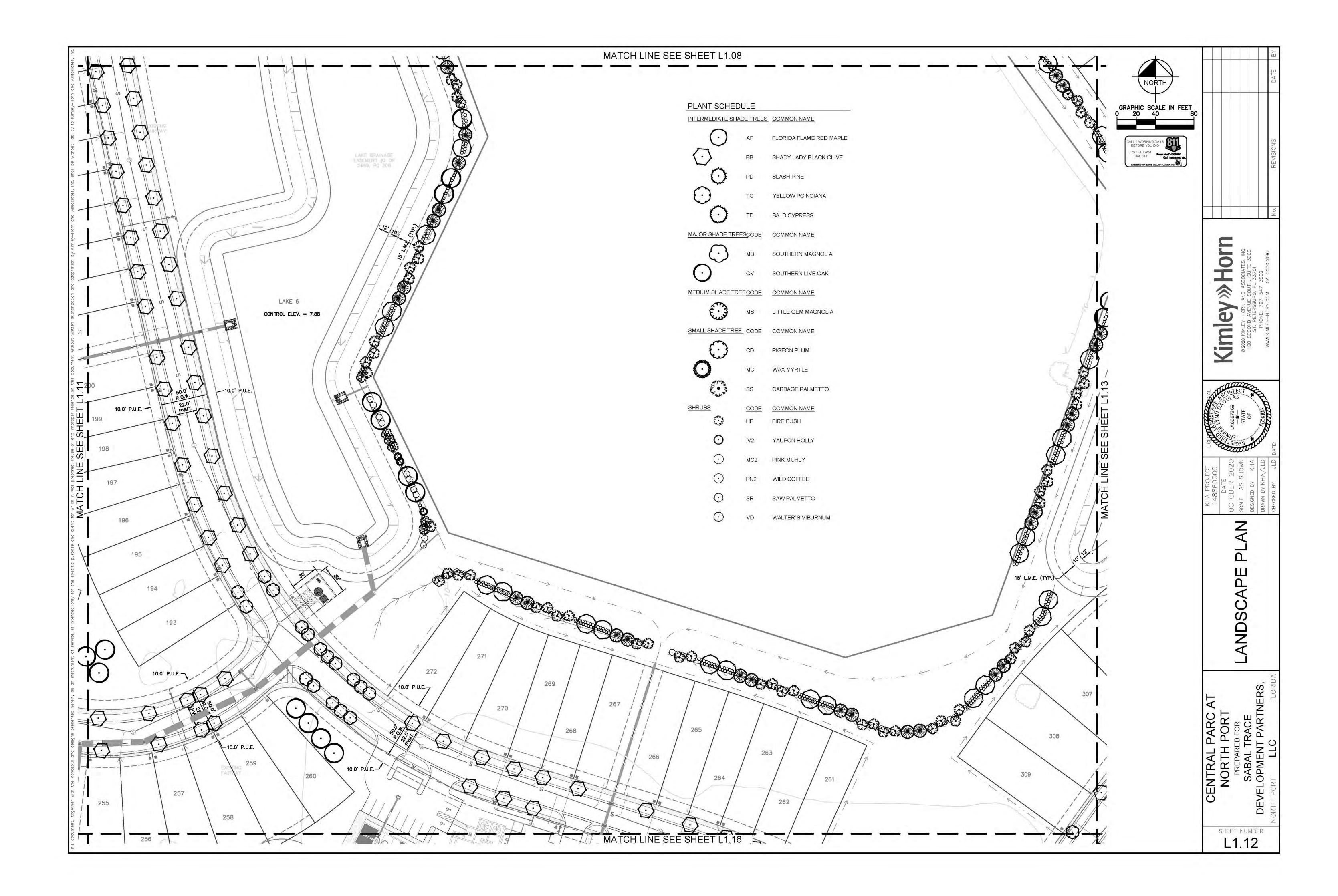


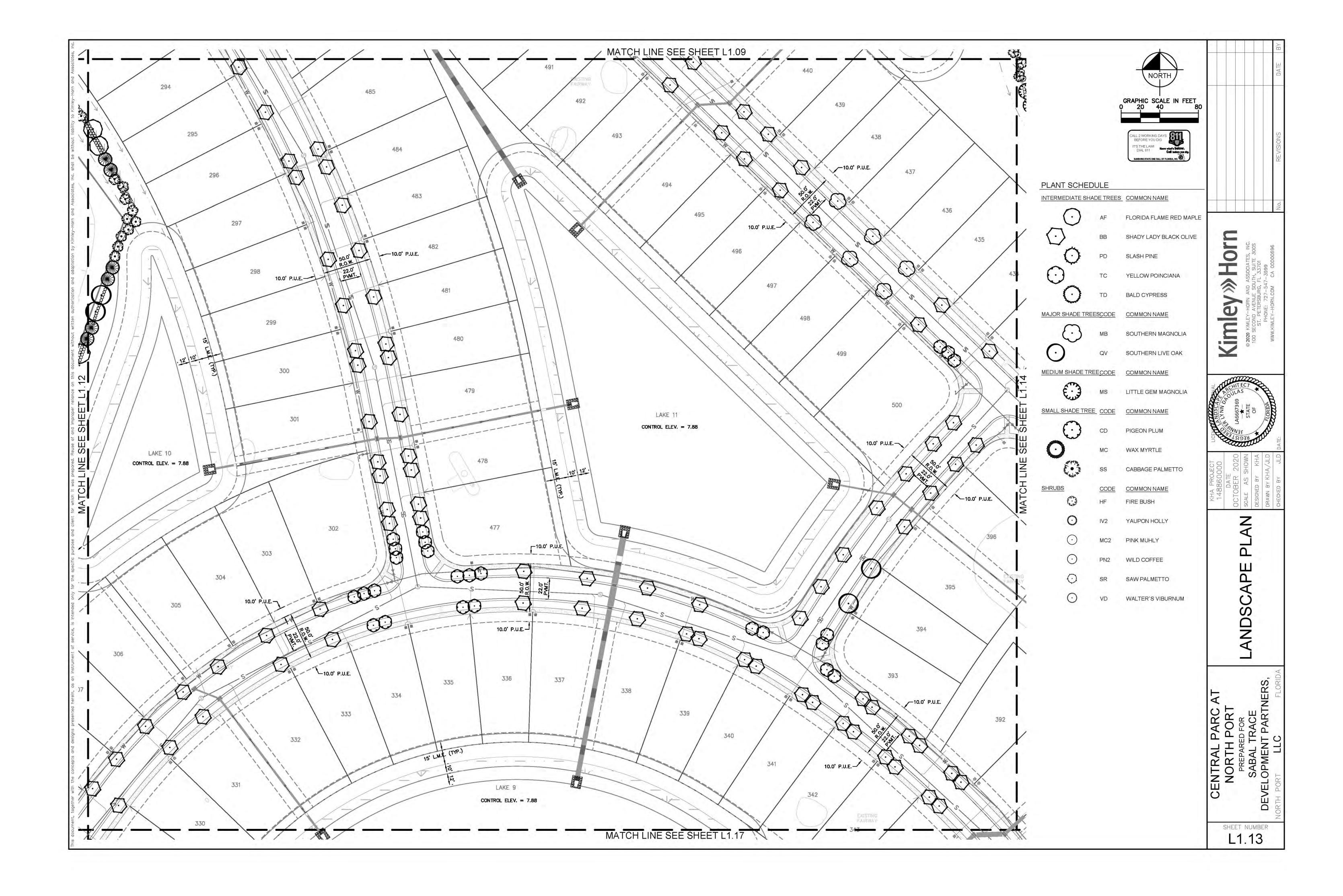


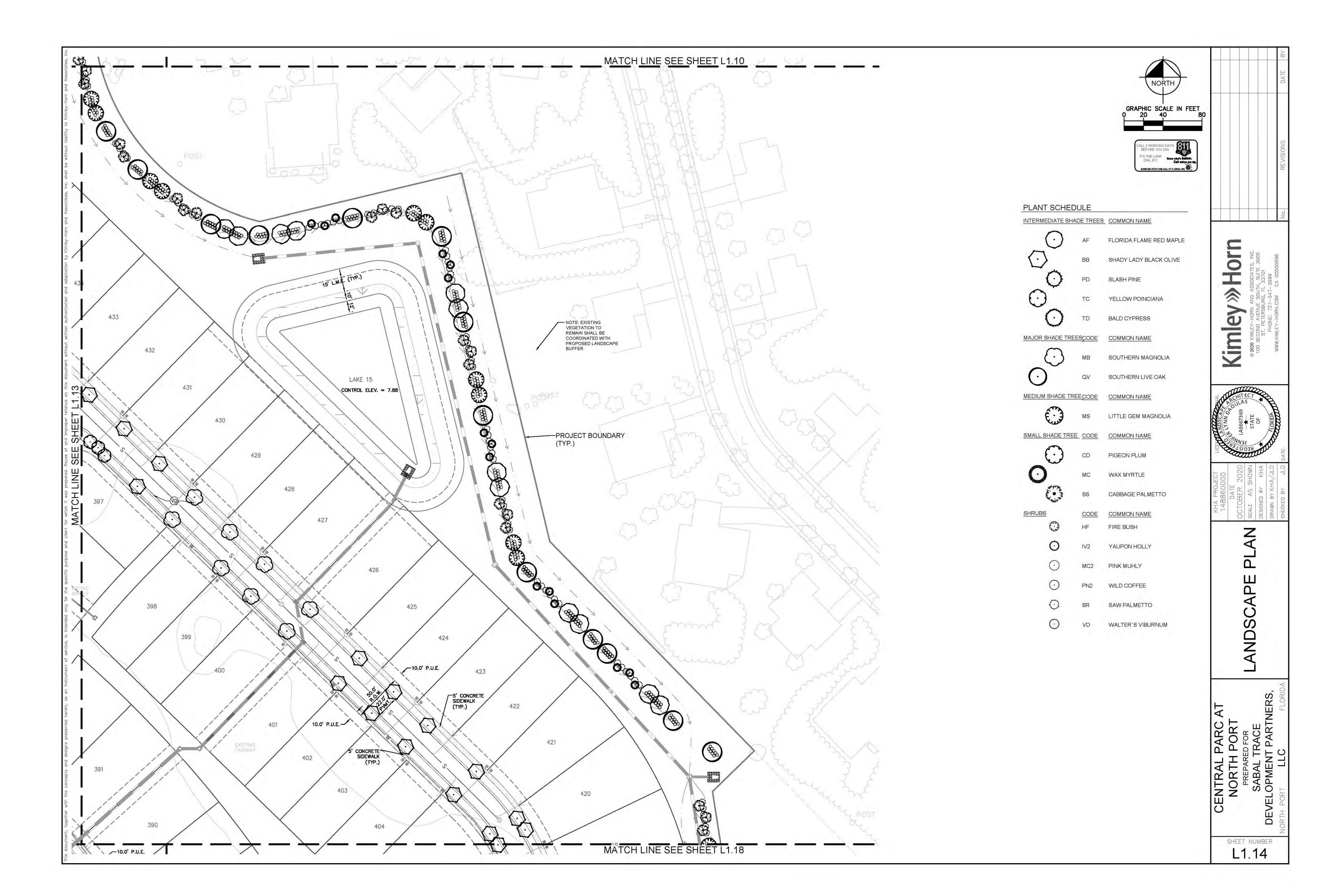


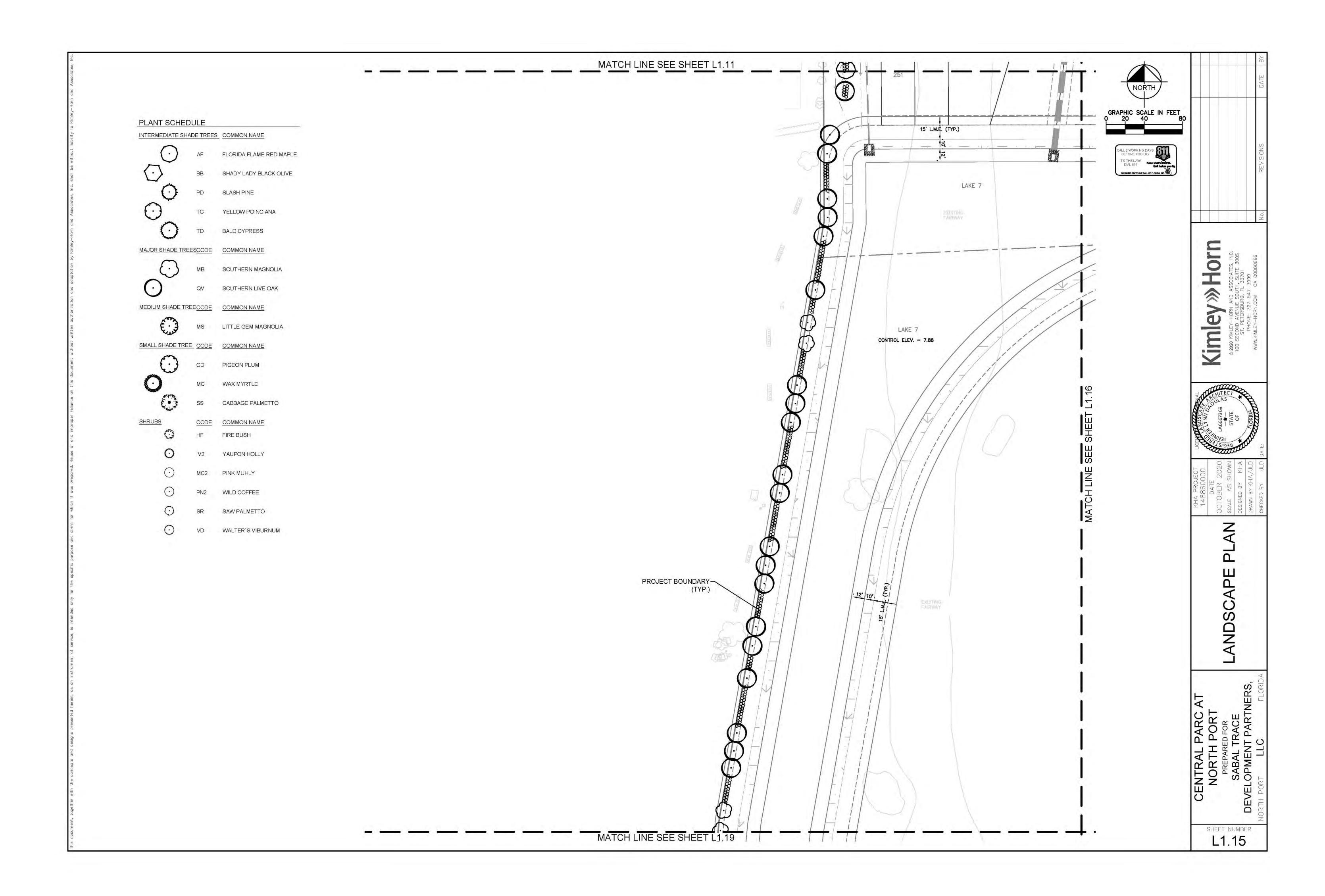


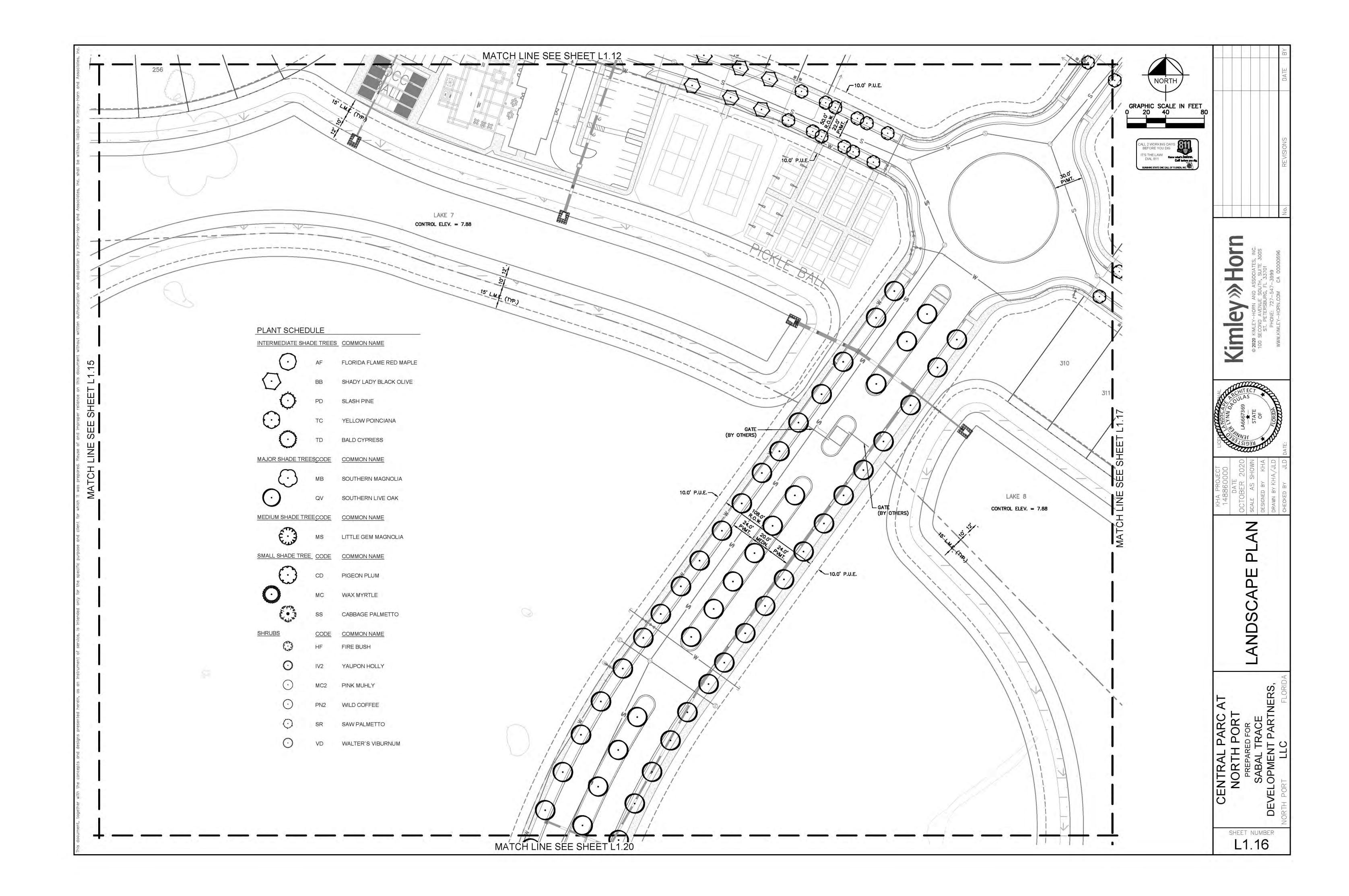


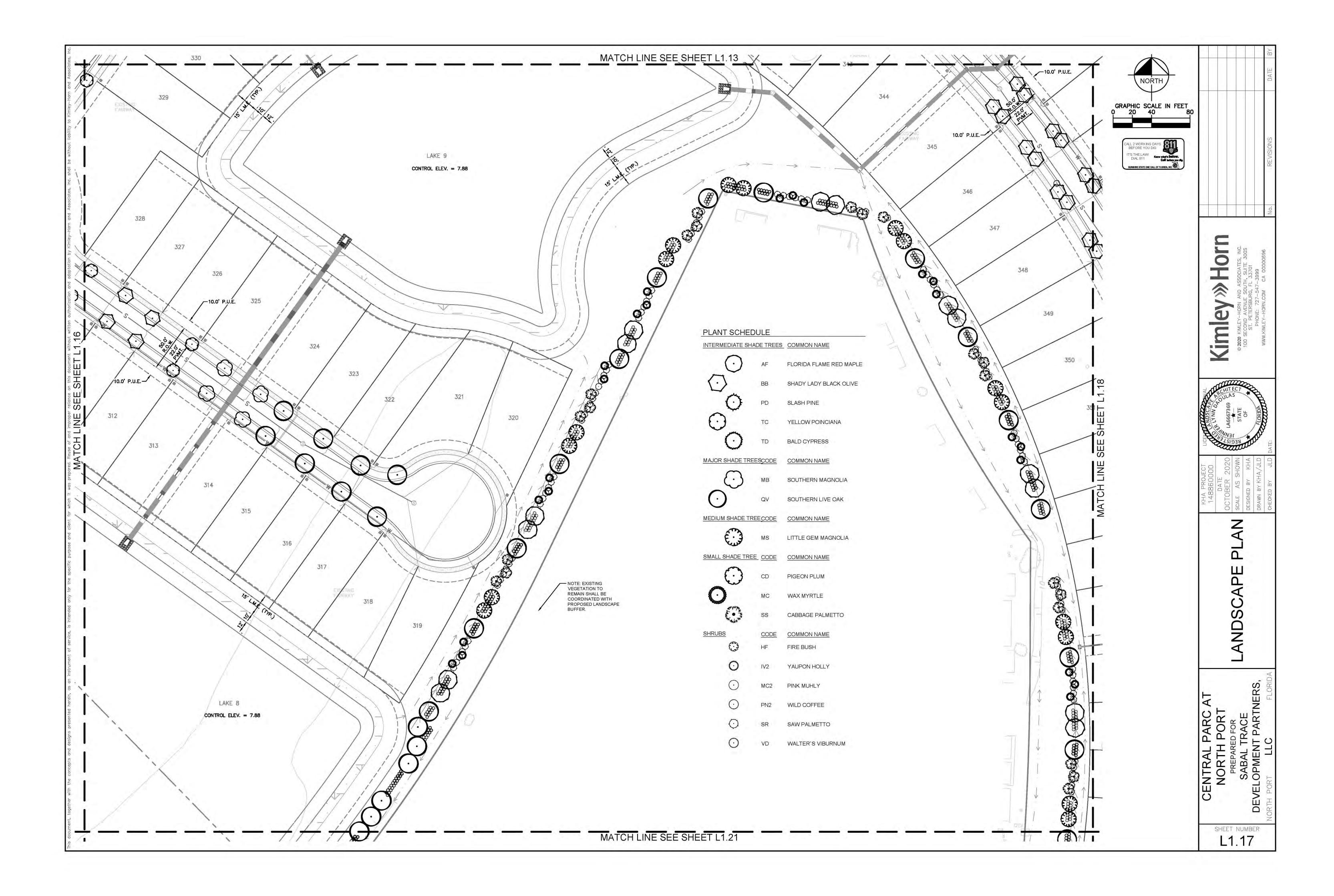


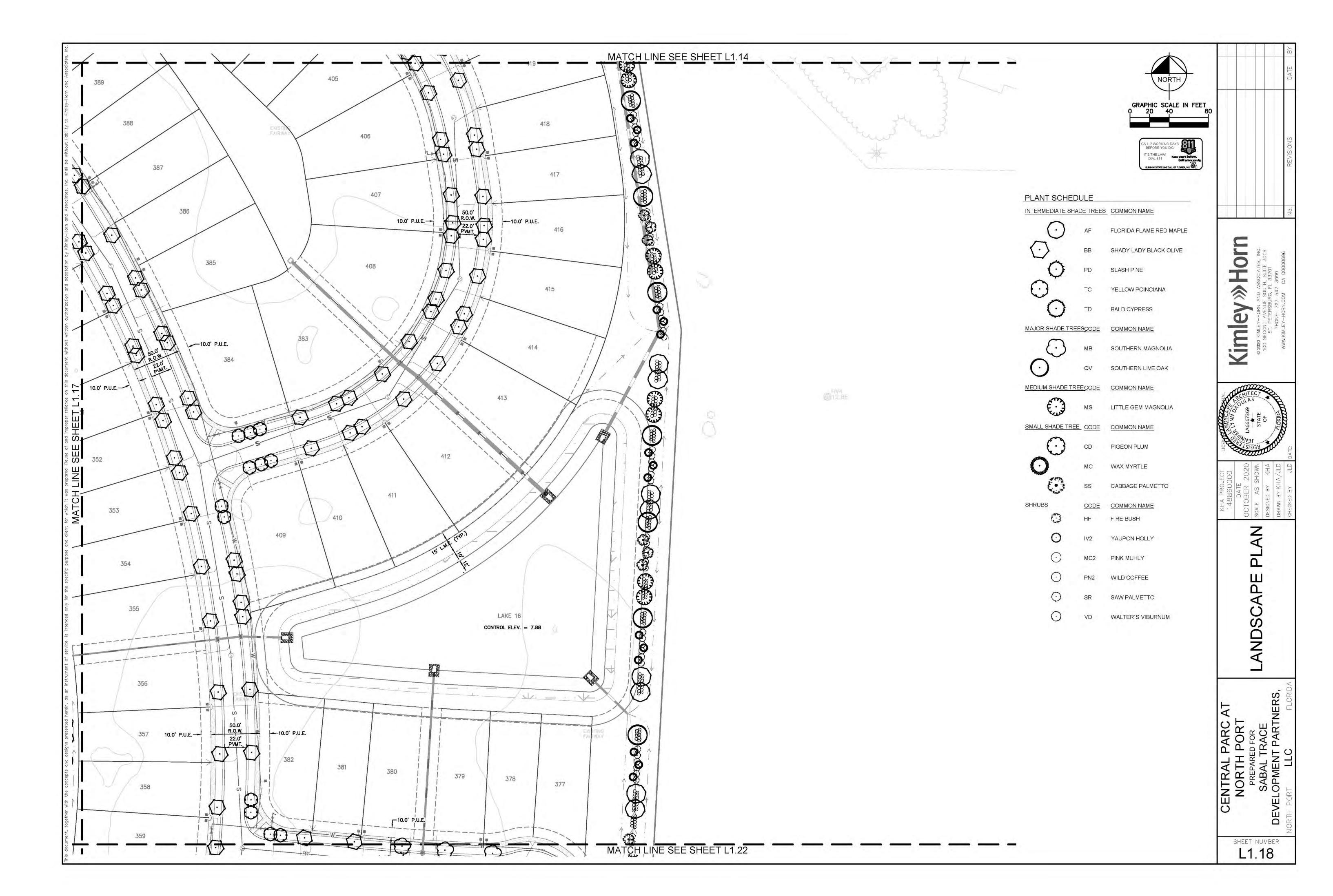


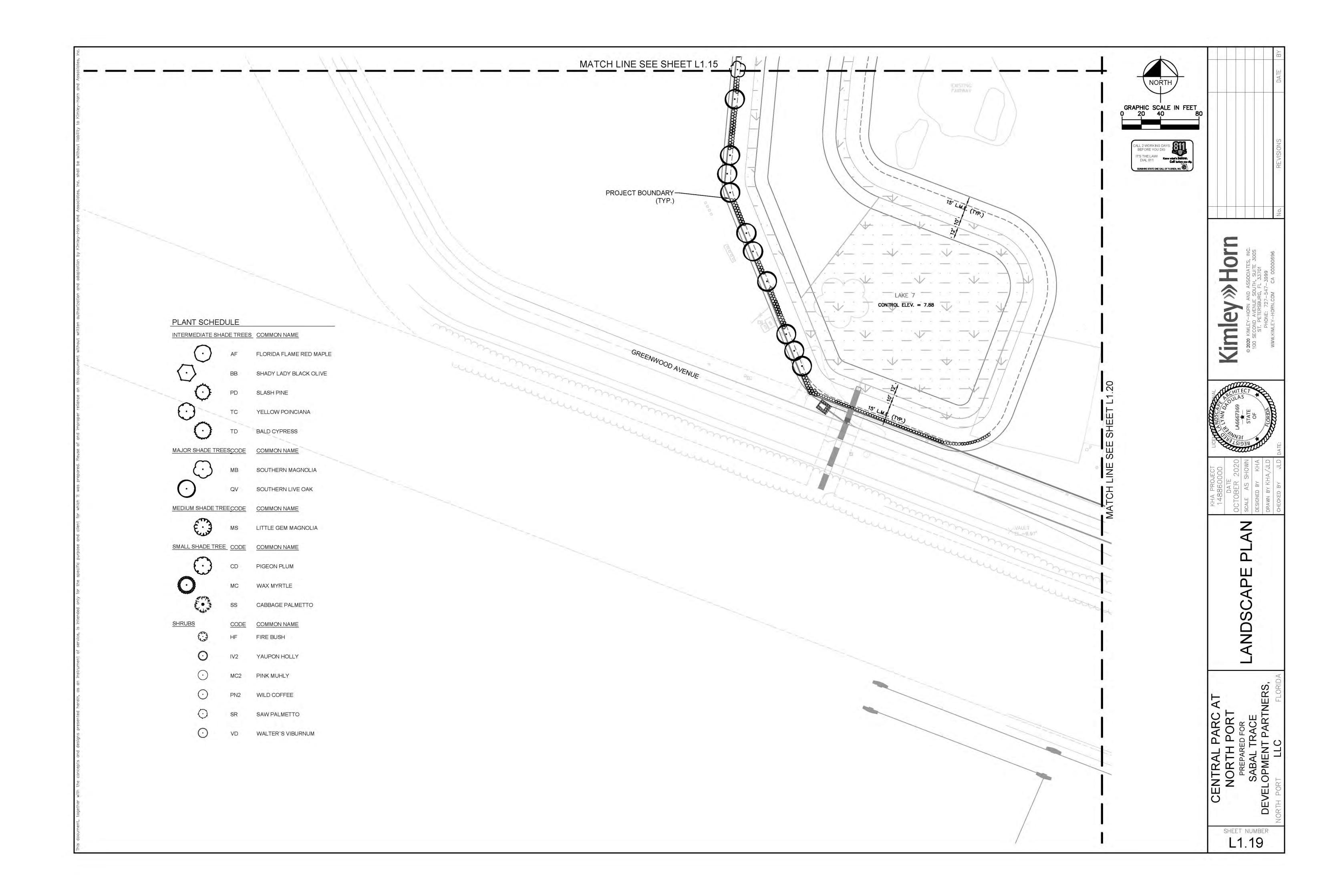


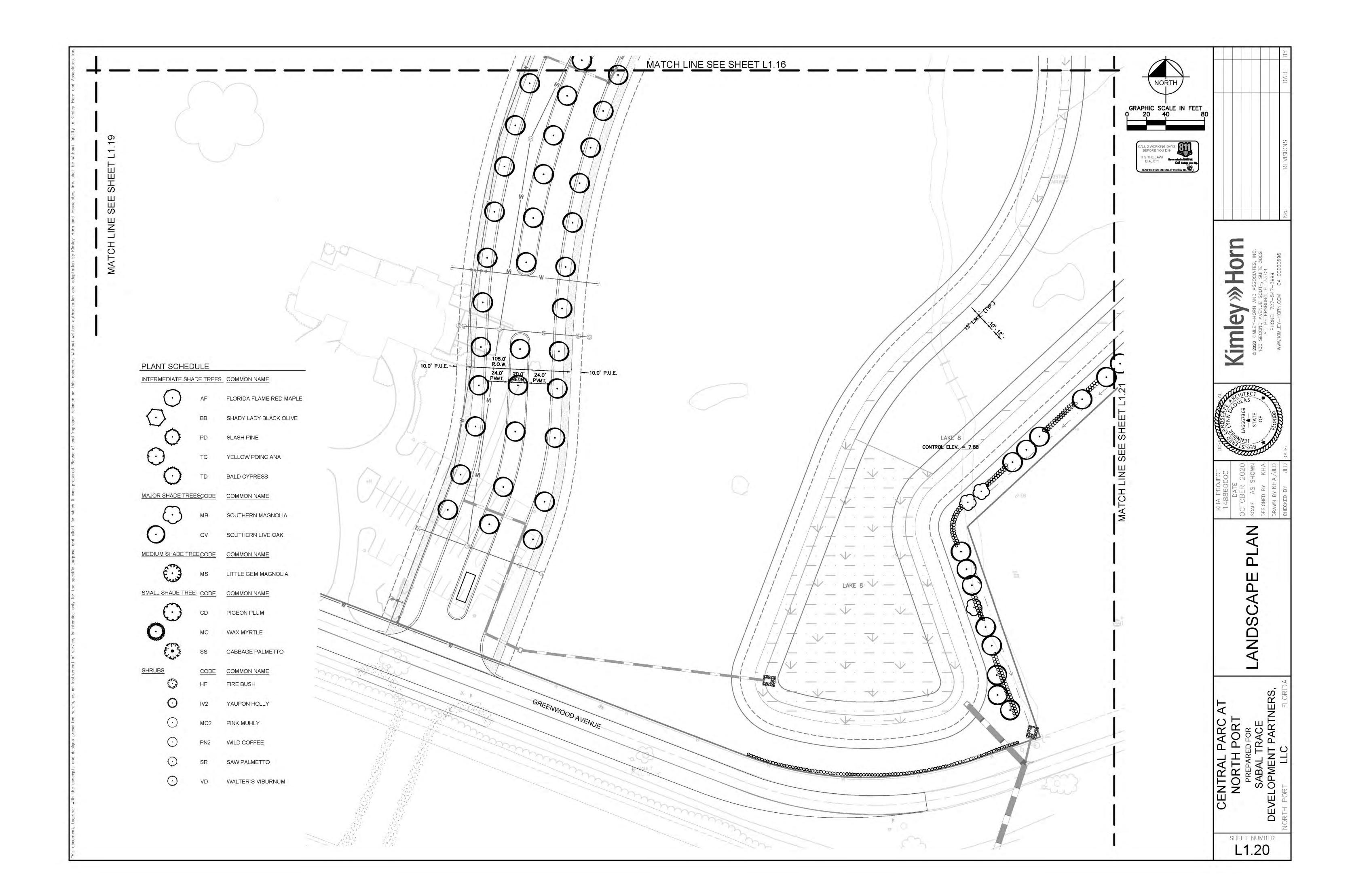


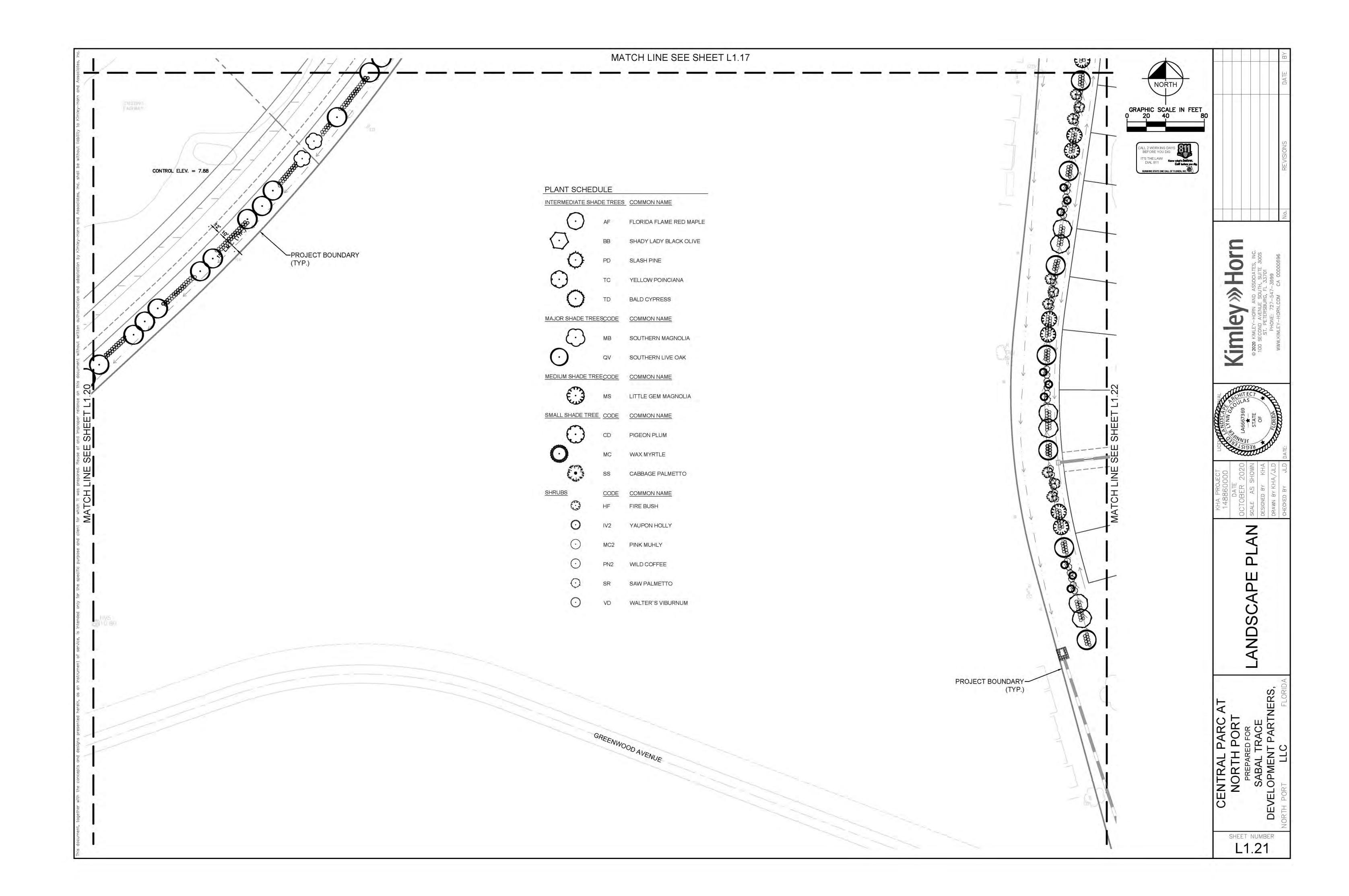


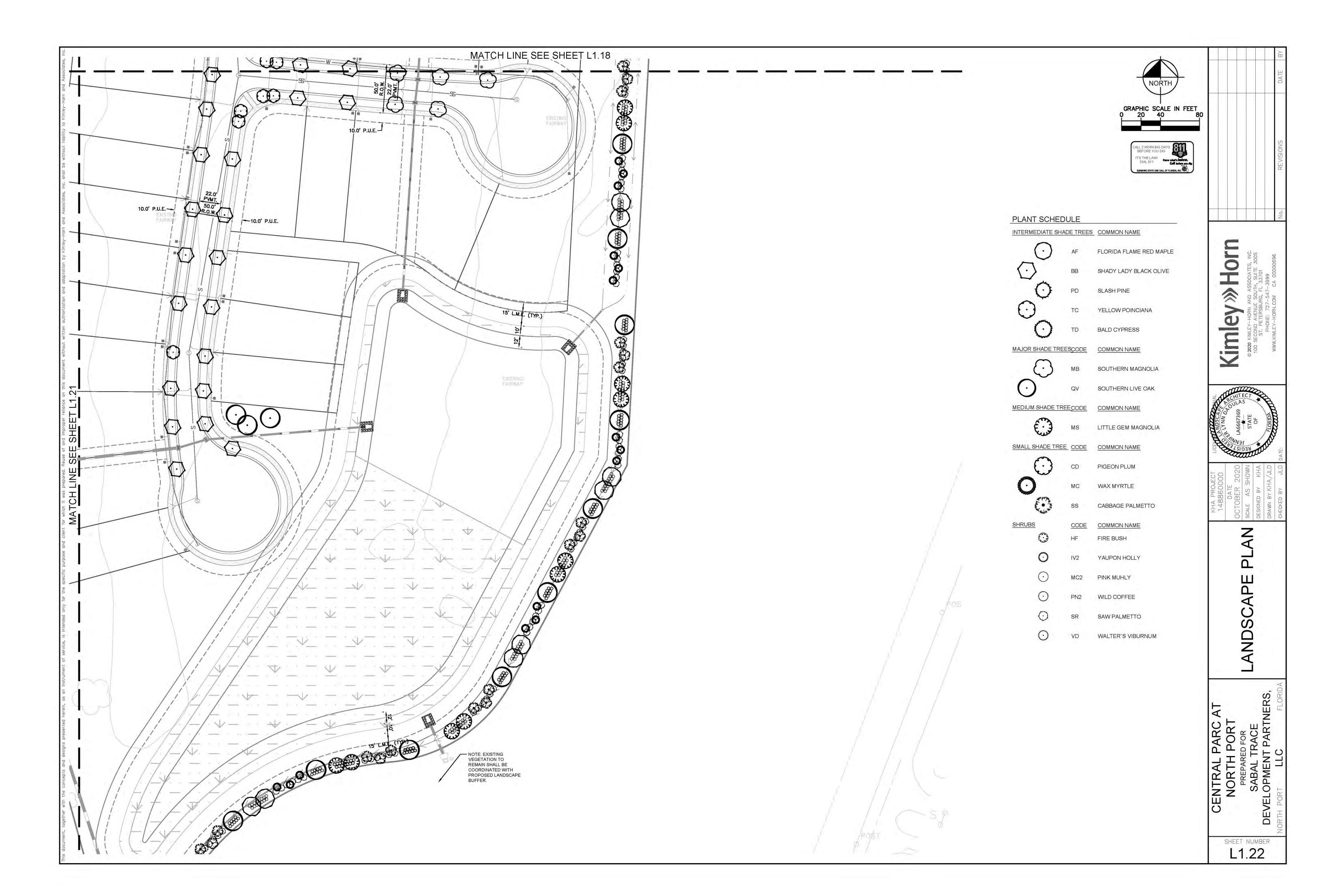










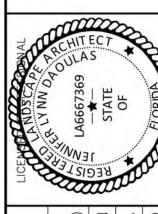


INTERMEDIATE SHADE TREES (CANOPY POTENTIAL 1,000 SF)	CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL	CONT	HEIGHT	SPREAD	SPACING	NATIVE
$\odot$	AF	220	ACER RUBRUM 'FLORIDA FLAME'	FLORIDA FLAME RED MAPLE	3 IN CAL	F.G.	8 FT MIN	6 FT MIN	AS SHOWN	YES
	ВВ	586	BUCIDA BUCERAS 'SHADY LADY'	SHADY LADY BLACK OLIVE	3 IN CAL	F.G.	8 FT MIN	6 FT MIN	AS SHOWN	NO
	тс	151	TABEBUIA CHRYSOTRICHA	YELLOW POINCIANA	3 IN CAL	F.G.	8 FT MIN	6 FT MIN	AS SHOWN	NO
	TD	6	TAXODIUM DISTICHUM	BALD CYPRESS	3 IN CAL	F.G.	8 FT MIN	4 FT MIN	AS SHOWN	YES
MAJOR SHADE TREES (CANOPY POTENTIAL 1,500 SF)	CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL	CONT	HEIGHT	SPREAD	SPACING	NATIVE
$\odot$	МВ	102	MAGNOLIA GRANDIFLORA `D.D. BLANCHARD` TM	SOUTHERN MAGNOLIA	3 IN CAL	F.G.	8 FT MIN	4 FT MIN	AS SHOWN	YES
	QV	391	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	3 IN CAL	F.G.	8 FT MIN	6 FT MIN	AS SHOWN	YES
MEDIUM SHADE TREE (CANOPY POTENTIAL 500 SF)	CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL	CONT	<u>HEIGHT</u>	SPREAD	SPACING	NATIVE
	ILE CAS	67	ILEX CASSINE	DAHOON HOLLY	3 IN CAL	F.G.	8 FT MIN	3 - 4 FT	AS SHOWN	YES
LANGE CONTRACTOR OF THE PARTY O	MS	163	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	LITTLE GEM MAGNOLIA	3 IN CAL	F.G.	8 FT MIN	4 FT MIN	AS SHOWN	YES
SMALL SHADE TREE (CANOPY POTENTIAL 250 SF)	CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL	CONT	<u>HEIGHT</u>	SPREAD	SPACING	NATIVE
Section of the sectio	МС	251	MYRICA CERIFERA	WAX MYRTLE	3 IN CAL	F.G.	8 FT MIN	3 - 4 FT	AS SHOWN	YES
AND STATE OF THE S	SS	336	SABAL PALMETTO	CABBAGE PALMETTO	HEAVY, FULLY REGENERATED	F.G.	8 FT CT (14 FT OA MIN)	3 - 4 FT	AS SHOWN	YES
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT	HEIGHT	SPREAD	SPACING	NATIVE
	HF	150	HAMELIA PATENS	FIRE BUSH	3 GAL	POT	12 IN MIN	AS SHOWN	36 IN O.C.	YES
0	IV2	302	ILEX VOMITORIA	YAUPON HOLLY	3 GAL	РОТ	12 IN MIN	AS SHOWN	36 IN O.C.	YES
$\odot$	MC2	2,526	MUHLENBERGIA CAPILLARIS	PINK MUHLY	1 GAL	POT	12 IN MIN	AS SHOWN	36 IN O.C.	YES
$\odot$	PN2	146	PSYCHOTRIA NERVOSA	WILD COFFEE	3 GAL	РОТ	12 IN MIN	AS SHOWN	36 IN O.C.	YES
$\odot$	SR	1,168	SERENOA REPENS	SAW PALMETTO	3 GAL	РОТ	12 IN MIN	AS SHOWN	36 IN O.C.	YES
0	VD	2,356	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	3 GAL	РОТ	12 IN MIN	AS SHOWN	36 IN O.C.	YES



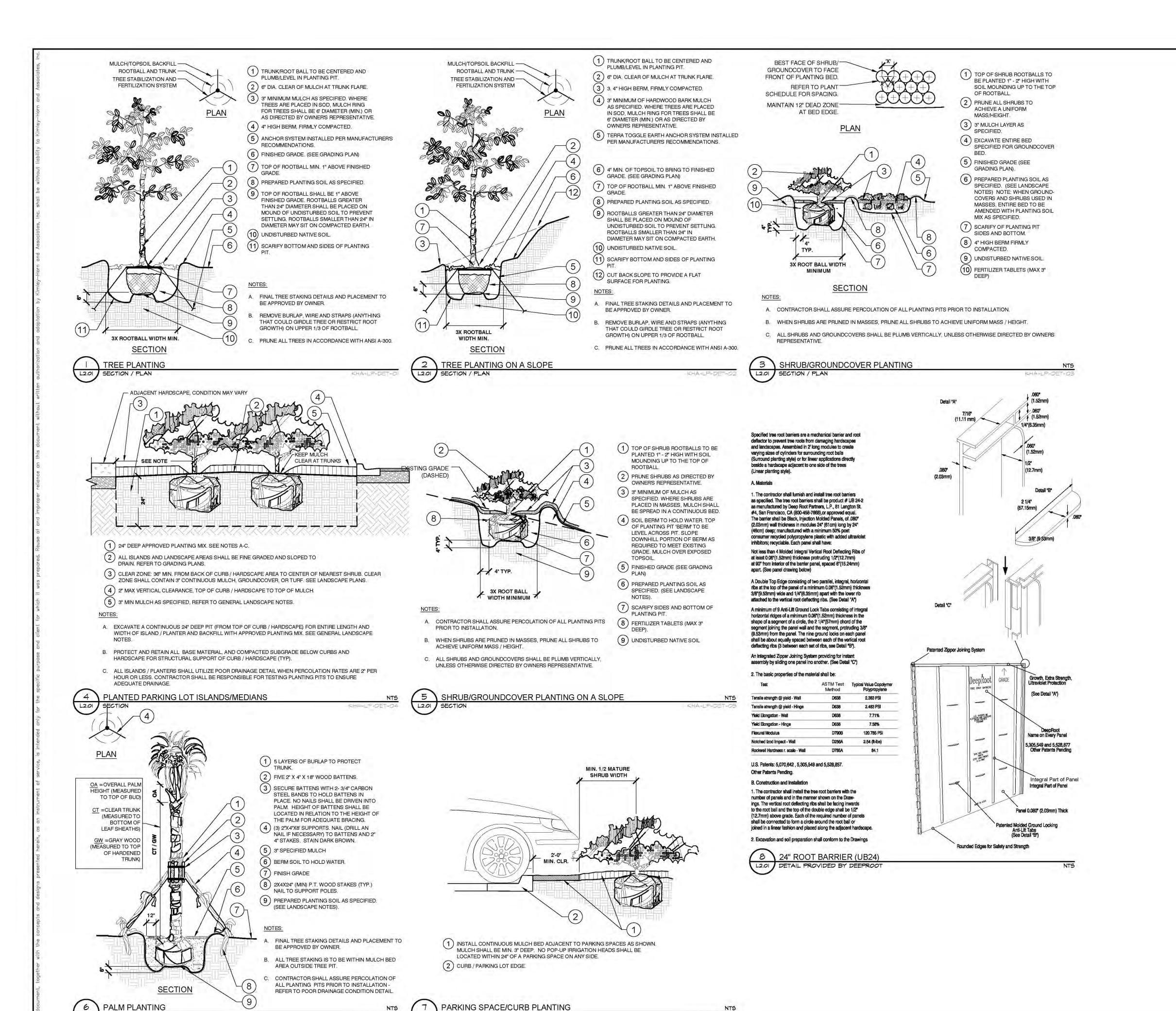


Kimley» Horn



IDSCAPE SCHEDULE

SHEET NUMBER L2.00



L2.01 SECTION

CALL 2 WORKING DAYS
BEFORE YOU DIG
IT'S THE LAW!
DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, NO.

CENTRAL PARC NORTH PORT

Kim

SHEET NUMBER

DETAIL

# LANDSCAPE SPECIFICATIONS

#### 1. SCOPE OF WORK

- 1.1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THESE PLANS.
- 1.2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.
- 1.3. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS.

#### 2. PROTECTION OF EXISTING AND PROPOSED SITE ELEMENTS

- 2.1. PROTECT ALL EXISTING SITE ITEMS, ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- 2.2. MAINTAIN ALL NECESSARY BMP DEVICES THROUGHOUT THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
- 2.3. WHERE APPLICABLE, SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE APPROPRIATE REGULATORY AGENCY STANDARDS UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, INDEX 102-600.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO CONSTRUCTION ACTIVITIES. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UTILITIES IS APPROXIMATE. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING WHEN ANY CONFLICT BETWEEN UTILITIES AND THESE PLANS EXIST PRIOR TO PLANTING.
- 2.5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO PLANT MATERIAL EXISTING OR OTHERWISE. THIS SHALL INCLUDE COMPACTION AND SPILLING OF ANY DELETERIOUS MATERIALS WITHIN THE DRIP-LINE OF EXISTING TREES TO REMAIN. PLANT MATERIAL KILLED OR DAMAGED THAT IS MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED WITH LIKE SIZE AND KIND TO THE SATISFACTION OF THE OWNER OR REGULATORY AGENCY AT THE COST TO THE CONTRACTOR.
- 2.6. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.

#### 3. SUBMITTALS

- 3.1. SUBMIT MATERIAL SAMPLES LISTED BELOW FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL,
  - DELIVERY OF MATERIALS MAY COMMENCE.

    MATERIAL SAMPLE SIZE
  - MULCH ONE (1) GALLON PLASTIC BAG SOIL MIXTURE ONE (1) GALLON PLASTIC BAG
  - PLANTS ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)
- 3.2. SUBMIT TESTING RESULTS OF SOIL MIXTURE AS PER SECTION 6 BELOW.

#### 4. PLANT MATERIALS

- 4.1. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS INDICATED ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY, ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT AND OWNER.
- 4.2. ALL TREE SPECIES INSTALLED SHALL BE MATCHED IN SIZE AND SHAPE UNLESS NOTED OTHERWISE.
- 4.3. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, UPON DELIVERY TO THE SITE, DURING PROGRESS OF THE WORK AND/OR AFTER COMPLETION. REJECTED PLANTS SHALL BE REMOVED AND REPLACED IMMEDIATELY.

### 5. DIGGING AND HANDLING

5.1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. NO PLANT MATERIAL SHALL BE HANDLED BY STEMS.

# 6. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

- 6.1. TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:
- 6.2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
- 6.3. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.
- 6.4. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.
- 6.5. PLANT TREES IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
- 6.6 TREES PLANTED IN TREE WELLS SHALL RECEIVE STRUCTURAL URBAN SOIL. MIX SHALL BE : 50% SAND, 20% PERLITE, 20% PINES FINES AND 10% ORGANIC SOIL.

## 7. WATER

- 7.1. PROVIDE WATER NECESSARY FOR PLANTING ESTABLISHMENT AND MAINTENANCE. WATER SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS.
- 7.2. WATERING/IRRIGATION RESTRICTIONS MAY APPLY REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

### 8. FERTILIZER

- 8.1. PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.
- 8.2. FERTILIZER RESTRICTIONS MAY APPLY REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

### 9. MULCH

- 9.1. MOISTEN MULCH MATERIAL AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CONTRACTOR SHALL CLEAR MULCH FROM WITHIN A SIX (6) INCH RADIUS AROUND TRUNK / STEM FLARE. MULCH SHALL BE "FLORIMULCH", EUCALYPTUS MULCH, OR SIMILAR SUSTAINABLY HARVESTED MULCH UNLESS SPECIFIED OTHERWISE.
- 9.2. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH PLANTING BED AND TREE RING (SIX (6) FOOT DIAMETER MINIMUM).

### 10. CONTAINER GROWN STOCK

10.1. CONTAINER GROWN PLANTS SHALL HAVE BEEN GROWN IN IT'S CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN IT'S SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

- 10.2. INSUFFICIENT OR POORLY STRUCTURED ROOT SYSTEMS ARE NOT ACCEPTABLE AND WILL BE REJECTED.
- 10.3. ROOTS PLUS GROWER (RPG) PRODUCTS SHALL BE USED WHERE SPECIFIED.

#### 11. MATERIALS LIST

11.1. ALL QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY, CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION

#### 12. FINE GRADING

- 12.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING WHICH CONSISTS OF FINAL FINISHED GRADING (INCLUDING ADDITIONAL SOIL MIXTURE AS NEEDED) FOR LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. FINISH GRADE SHALL ACCOUNT FOR THICKNESS OF SOD AND/OR MULCH DEPTH.
- 12.2. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

#### 13. PLANTING PROCEDURES

- 13.1. CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. REMOVE ALL MORTAR, CEMENT, AND TOXIC MATERIAL FROM THE SURFACE OF ALL PLANT BEDS, DO NOT MIX THESE MATERIALS WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
- 13.2. LOCATE, MAINTAIN AND PROTECT ALL UTILITIES ABOVE AND BELOW GROUND. CALL SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- 13.3. NOTIFY LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY IF CONFLICT(S) EXIST WITH PROPOSED TREE LOCATIONS AND EXISTING OVERHEAD POWER LINES IN ACCORDANCE WITH SETBACK REQUIREMENTS OF FPL'S "RIGHT TREE, RIGHT PLACE" PROGRAM. CONSULT THE UNIVERSITY OF FLORIDA'S "TREES AND POWER LINE" WEBSITE FOR TREE SIZE CATEGORIES.
- 13.4. NOTIFY LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY IF CONFLICT(S) EXIST WITH PROPOSED TREE LOCATIONS AND EXISTING / PROPOSED LIGHT POLES. TREES INSTALLED IN CONFLICT WITH LIGHT POLES ARE SUBJECT TO RELOCATION AT THE EXPENSE OF THE CONTRACTOR.
- 13.5. REMOVE ALL EXISTING AND IMPORTED DELETERIOUS MATERIAL AND SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE AS NEEDED WITH CLEAN SOIL MIXTURE.
- 13.6. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK.
- 13.7. EXCAVATE ALL PLANTING PITS IN ACCORDANCE WITH LANDSCAPE DETAILS PROVIDED. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. IF POOR DRAINAGE EXISTS, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN WRITING. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. CONTRACTOR SHALL ENSURE ELIMINATION OF ALL AIR POCKETS AROUND ROOTS.
- 13.8. SET TREES AND SHRUBS STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- 13.9. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM UPPER
- 13.10. ALL SUCKER GROWTH AND BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT IN ACCORDANCE WITH ANSI A-300.
- 13.11. SHRUBS AND GROUND COVER PLANTS SHALL BE SPACED IN ACCORDANCE WITH THE DRAWINGS, LANDSCAPE DETAILS AND AS
- 13.12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN A PLUMB AND UPRIGHT POSITION.
- 13.13. FAILURE TO FOLLOW THE ABOVE PLANTING PROCEDURE SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF

## 14. LAWN SODDING

- 14.1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING NECESSARY TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
- 14.2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS TO A MINIMUM DEPTH OF THREE (3) INCHES. PROVIDE ONE (1) INCH OF TOPSOIL ACROSS ENTIRE LAWN BED AND MIX THROUGHLY INTO TOP FOUR (4) INCHES OF SOIL TO BRING THE GROUND TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL TOPSOIL AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
- 14.3. HAND RAKE LAWN BED UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY,
- 14.4. SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS,
- 14.5. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.
- 14.6. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS.
- 14.7. IMMEDIATELY FOLLOWING SOD LAYING, ROLL LAWN AREAS WITH A LAWN ROLLER AND THEN THOROUGHLY IRRIGATED.
- 14.8. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
- 14.9. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY EXCESSIVE HEAT AND MOISTURE.
- 14.10. WITHIN THE CONTRACT LIMITS, PRODUCE AND MAINTAIN A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

### 15. CLEANUP

15.1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

### 16. PLANT MATERIAL MAINTENANCE

16.1. ALL PLANT MATERIAL SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) AS NECESSARY TO INSURE HEALTHY AND VIGOROUS GROWING CONDITIONS BY THE CONTRACTOR UPON DELIVERING TO THE SITE AND UNTIL FINAL ACCEPTANCE OF WORK.

### 17. FINAL INSPECTION AND ACCEPTANCE OF WORK

17.1. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE PER MANUFACTURER RECOMMENDATIONS. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

- 17.2. PROVIDE WATERING/IRRIGATION SCHEDULE FOR ALL PLANT MATERIAL TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.
- 17.3. UPON COMPLETION OF ALL WORK, A FINAL INSPECTION SHALL BE PERFORMED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE. ALL PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT SHALL BE INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY ITEMS FOUND TO NOT BE IN COMPLIANCE SHALL BE CORRECTED AT THE COST OF THE CONTRACTOR.

#### 18. WARRANTY

- 18.1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION AND ACCEPTANCE OF THE WORK BY THE OWNER AND/OR OWNER'S REPRESENTATIVE.
- 18.2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION THROUGHOUT THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. ANY REPLACED PLANT MATERIAL SHALL BE SUBJECT TO A NEW ONE (1) YEAR WARRANTY.
- 18.3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH.

#### 19. ABBREVIATIONS

B&B - BALLED AND BURLAPPED BR - BARE ROOT

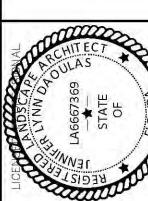
CAL - CALIPER CT - CLEAR TRUNK DBH - DIAMETER AT BREAST HEIGHT

FG - FIELD GROWN
FTG - FULL TO GROUND
GW - GREY WOOD

HO - HARDENED OFF
OA - OVERALL HEIGHT
RPG - ROOTS PLUS GROWER

No. REVISIONS DA

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