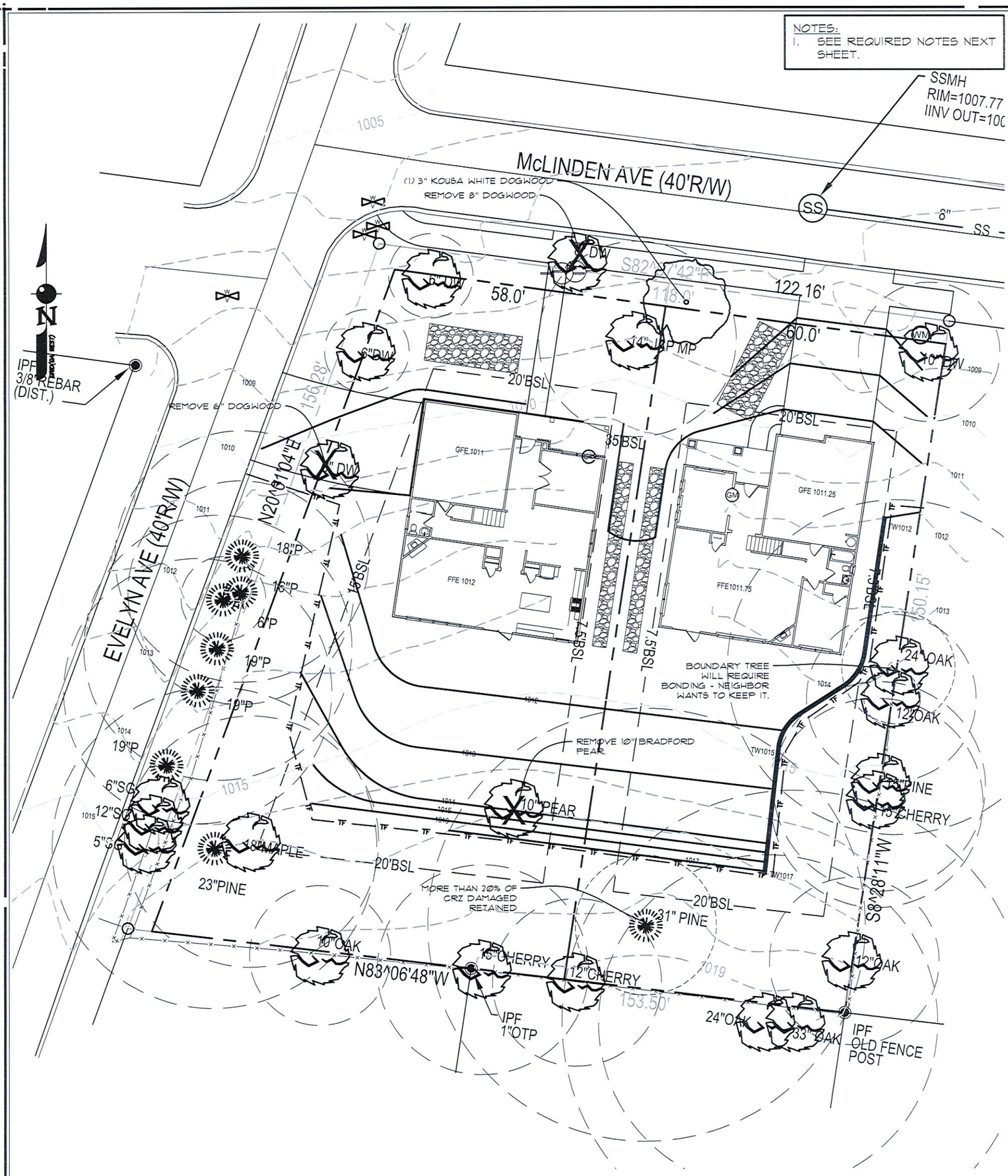
NOTES:
1. SEE REQUIRED NOTES NEXT SHEET.



PLANT LIST:

QTY:	COMMON NAME:	BOTANIC NAME:	SIZE:	EXT:
1	KOUSA DOGWOOD	CORNUS KOUSA	3" CAL.	NA (not needed)

T1

TREE PROTECTION & REPLACEMENT

SCALE: AS SHOWN
DATE: 6/10/2016
CHECKED: sjm
DRAWN: sjm
DESIGN: sjm
PROJ. NO: none

Date: Description:

Evelyn Traces
Lot 1A and 1B, Block D, Estate of Mary A. Dunton
Land Lot 451, 17th District, 2nd Section,
Cobb County, GA

Prepared for: The McLinden Group LLC

GEORGIA REGISTERED PROFESSIONAL ENGINEER
MURPHY TREES & ASSOCIATES, INC.

OWNER/DEVELOPER

CONTACT: MR. SEAN MURPHY
PHONE: (770)630-9205

TREE DENSITY CALCULATIONS:
SDF = 100 X (0.479)AC = 47.9 TDUs
EDF = >60"
RDF = NONE REQUIRED
SPECIMEN RECOMPENSE REQUIRED = 0

STREET TREE CALCULATIONS:
MEDLIN STREET LOT

- THERE IS 118' OF STREET FRONTAGE ON MCLINDEN AVENUE, LESS 19' FOR DRIVEWAY RESULTS IN 99 LINEAR FEET OF APPLICABLE FRONTAGE ON MCLINDEN STREET
- THERE ARE POWER LINES PRESENT ON MCLINDEN REQUIRING SUBSTITUTION OF UNDERSTORY TREES FOR CANOPY TREES.
- WHEN UNDERSTORY TREES ARE USED THE DEVELOPER SHALL PLANT ONE TREE EVERY 30 FEET
- 99'/30' = 3 TREES REQUIRED
- 2 TREES ARE EXISTING AND ONE TREES HAS BEEN PROPSOED. THEREFORE THE REQUIREMENT IS SATISFIED FOR MCLINDEN AVE.
- THERE IS 156' OF STREET FRONTAGE ON EVELYN STREET, EVELYN HAS NO POWER LINES. HOWEVER THERE IS AN EXTENSIVE EXISTING TREE CANOPY ALONG THE RIGHT OF WAY WHICH IS LARGELY PROPOSED TO REMAIN. THE REQUIRED QUANTITY OF STREET TREES IS PROVIDED THROUGH THE EXISTING TREES TO REMAIN.
- NO ADDED STREET TREES ON EVELYN ARE REQUIRED

PERTINENT REQUIRED NOTES:
1. Trees selected for planting must meet the minimum requirements as provided in Technical Standards.
2. Trees and landscape plant material must be free from injury, pests, disease, or nutritional disorders, and be of good vigor.
3. Transplanting procedures shall follow standards established by the International Society of Arboriculture in the ©Trees and Shrub Transplanting Manual∆.
4. Trees selected for replanting must be free from injury, pests, disease, nutritional disorders or root defects, and must be in good vigor, must have radially symmetrical branching with a dominant leader, and must have no less than four feet (4') between planted grade and lowest branch on the trunk for a two inch (2∆) caliper tree. [Code Section 106-37(c)
6. All replanted overstory trees shall have a trunk of not less than three (3) caliper inches. Overstory trees shall have no less than 400 square feet of pervious root zone; understory shall have no less than 200 square feet of pervious root zone.

Street Trees:
1. All developments shall have one (1) overstory tree planted every forty-feet (40') along all subdivision roads and cul-de-sacs, inclusive of driveways and easements.
2. Where overhead utility lines exist, the developer shall plant one (1) understory tree every thirty-feet (30').
3. Street trees shall not be planted directly on property lines or property corners.
4. Street trees shall be planted in the right-of-way, three feet (3') behind the edge of the side walk. If a street tree is to be planted on private property a landscape easement must be provided.
5. Street trees shall be planted a minimum of 15' from driveways, 35' from road intersections for minor collectors, 50' for major collectors, and 100' for arterial roads. [TS&BMP - Section 3(A)(k)]

REQUIRED NOTES:
CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT (770-319-5387) TO ARRANGE A PRECONSTRUCTION CONFERENCE PRIOR TO ANY LAND DISTURBANCE. NO PERMIT SHALL BE ISSUED UNTIL PLANS ARE APPROVED AND AN ON-SITE INSPECTION WITH THE CITY REPRESENTATIVE OCCURS.

ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING OR THE REMOVAL OF IMPERVIOUS SURFACES OR STRUCTURES.

BUFFERS SHALL BE REPLANTED SUBJECT TO COMMUNITY DEVELOPMENT DEPARTMENT APPROVAL.

Tree Conservation Plans:

1. On Tree Protection plan and Site Grading plan: Contact the Community Development Department (770-319-5387) to arrange a pre-construction conference prior to any land disturbance. No permit shall be issued until plans are approved and an on-site inspection with City Representatives occurs. All tree conservation measures shall be installed prior to grading or the removal of impervious surfaces or structures. Buffers shall be replanted subject to Community Development Department approval. [Code Section 106-36(16)]

2. Before development, land clearing, filling or any land alteration, including removal of impervious surfaces or structures, the developer shall be required to erect suitable protective barriers including tree fences, tree conservation signs, and erosion barriers until completion of site landscaping. Authorization to remove the conservation devices shall be in writing by the Community Development Director or by the issuance of a final certificate of occupancy. Inspection of tree protection barriers is required prior to any land disturbance or development. The Community Development Director shall be contacted (770-319-5387) to schedule an inspection time. [Code Section 106-40(b)]

3. All tree protection devices must remain in functioning condition until the certificate of occupancy is issued. [Code Section 106-40(d)]

4. Materials for active tree protection shall consist of chain link, orange laminated plastic, wooden post and rail fencing or other equivalent material.

5. No person in the construction of any structure(s) or improvement(s) or any activity shall encroach or place solvents, material, construction machinery or temporary soil deposits within six feet of the area outside the critical root zone, as defined herein, of any specimen tree or any tree within a tree protection zone.

6. Inspection of tree protection barriers is required prior to any land disturbance or development. The Community Development Director shall be contacted to schedule an inspection time.

7. All tree protection devices must remain in functioning condition until the certificate of occupancy is issued.

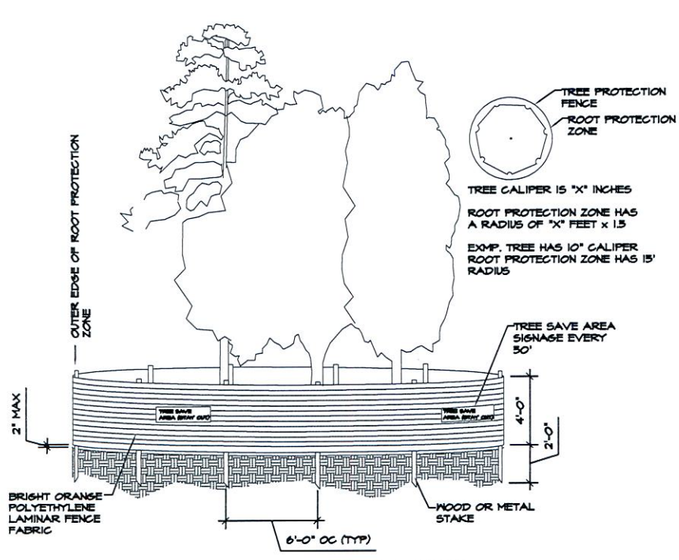
8. Debris removed: All debris from trees cut or substantially damaged shall be removed from the site prior to the issuance of a certificate of occupancy. This includes the removal of any portion of the tree stump above the original natural grade or elevation of land. [Code Section 106-37(h)]

9. Where tree roots must be cut, make only sharp, clean cuts to promote root regeneration.

11. When clearing and grading is planned in close proximity to a tree protection zone, the limit of disturbance should be defined by a clean trench cut to a depth of 36 inches, to prevent the shredding and tearing of protected roots.

12. Tunnel instead of trench beneath tree roots within the CRZ for the installation or repair of cable, phone, electric, gas, water, or sewer lines, irrigation systems, or any utility.

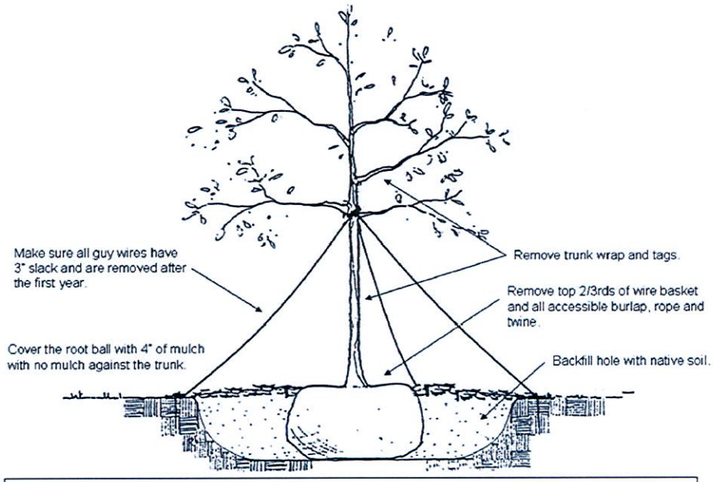
OTHER NOTES:
A. STAGING OF MATERIALS SHALL BE AT THE WILL OF THE CONTRACTOR AND SHALL BE ANYWHERE ON THE SITE.



FOR SPECIMEN TREE POLYETHYLENE FENCE IS TO BE REPLACED WITH CHAIN LINK.

A SMYRNA TREE PROTECTION DETAIL
SCALE: 1"=10'-0"

Figure 11: Tree Planting Detail



Excavate the hole to be 3 X the diameter of root ball and 1"to 2" more shallow. Excavate a wider hole in poor soils or heavy clays. Allow 400 sq.ft. of soil surface area for each overstory tree and 25' spacing between trees with a minimum 8' wide planting area. Allow 200 sq.ft. of soil surface area for understory trees and 15' spacing between trees with a minimum 8' wide planting area.

B # CITY STANDARD DETAIL
SCALE: NTS

T2 — TREE NOTES & CALCULATIONS

SCALE: AS SHOWN
DATE: 6/10/2016
CHECKED: sjm
DRAWN: sjm
DESIGN: sjm
PROJ. NO: none

Date:	Description:

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